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 : Q2555

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

Table Of Contents for Q2555

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 16
- 9.3) LCS/LCSD Summary 18
- 9.4) Method Blank Summary 19

10) Sample Data 20

- 10.1) OU4-TS-29-070925 21
- 10.2) OU4-TS-30-070925 25

11) Calibration Data Summary 29

- 11.1) Initial Calibration Data 30
  - 11.1.1) PP070825 30
- 11.2) Continued Calibration Data 249
  - 11.2.1) PP073711.D 249
  - 11.2.2) PP073726.D 261
  - 11.2.3) PP073741.D 273
  - 11.2.4) PP073748.D 285
  - 11.2.5) PP073754.D 297
  - 11.2.6) PP073768.D 309
- 11.3) Analytical Seq 321

12) Compound Detection Summary 325

13) QC Sample Data 328

- 13.1) Method Blank Data 329
- 13.2) PIBLK Data 333
- 13.3) LCS Data 361
- 13.4) MS Data 370
- 13.5) MSD Data 379

14) Manual Integration 388

15) Analytical Runlogs 393
16) Percent Solid 406
17) Extraction Logs 410
17.1) PB168809.pdf 410
17.2) PB168809IC.pdf 412
18) Standard Prep Logs 413
19) Shipping Document 499
19.1) Chain Of Custody 500
19.2) Lab Certificate 501
19.3) Internal COC 502
20) Not Reviewed Data 503

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

Cover Page

Order ID : Q2555

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2555-01	OU4-TS-29-070925
Q2555-02	OU4-TS-29-070925
Q2555-03	OU4-TS-30-070925
Q2555-04	OU4-TS-30-070925

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 9:02 am, Jul 25, 2025

Date: 7/21/2025

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 # Q2555
Test Name: PCB

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 07/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB. 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 were met for all analysis except for OU4-TS-29-070925 [Decachlorobiphenyl(1)54%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
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.

F. Manual Integration Comments:

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

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 9:02 am, Jul 25, 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: Q2555 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. The Surrogate recoveries were met for all analysis except for OU4-TS-29-070925 [Decachlorobiphenyl(1)54%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.		✓	
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 requirements for all compounds. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	
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:			✓

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

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 8:42 am, Jul 25, 2025

Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2555

	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:** 07/21/2025

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

LAB CHRONICLE

OrderID:	Q2555	**OrderDate:**	7/10/2025 10:17:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	**OU4-TS-29-070925**	**SOIL**			**07/09/25**			**07/10/25**
			PCB	8082A		07/11/25	07/11/25	
Q2555-03	**OU4-TS-30-070925**	**SOIL**			**07/09/25**			**07/10/25**
			PCB	8082A		07/11/25	07/14/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2555 **Order ID:** Q2555

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.: Q2555

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP073553.D	PIBLK-PP073553.D	Tetrachloro-m-xyl	1	20	16.2	81		60	140
		Decachlorobiphen	1	20	17.3	87		60	140
		Tetrachloro-m-xyl	2	20	16.2	81		60	140
		Decachlorobiphen	2	20	17.1	85		60	140
I.BLK-PP073715.D	PIBLK-PP073715.D	Tetrachloro-m-xyl	1	20	19.9	99		60	140
		Decachlorobiphen	1	20	19.5	98		60	140
		Tetrachloro-m-xyl	2	20	19.8	99		60	140
		Decachlorobiphen	2	20	21.9	109		60	140
PB168809BS	PB168809BS	Tetrachloro-m-xyl	1	20	20.4	102		44	130
		Decachlorobiphen	1	20	19.7	99		60	125
		Tetrachloro-m-xyl	2	20	18.3	91		44	130
		Decachlorobiphen	2	20	21.4	107		60	125
Q2555-01	OU4-TS-29-070925	Tetrachloro-m-xyl	1	20	21.8	109		44	130
		Decachlorobiphen	1	20	10.7	54	*	60	125
		Tetrachloro-m-xyl	2	20	14.4	72		44	130
		Decachlorobiphen	2	20	12.3	62		60	125
Q2555-01MS	OU4-TS-29-070925MS	Tetrachloro-m-xyl	1	20	17.1	86		44	130
		Decachlorobiphen	1	20	12.8	64		60	125
		Tetrachloro-m-xyl	2	20	15.5	77		44	130
		Decachlorobiphen	2	20	14.0	70		60	125
I.BLK-PP073730.D	PIBLK-PP073730.D	Tetrachloro-m-xyl	1	20	20.2	101		60	140
		Decachlorobiphen	1	20	20.1	101		60	140
		Tetrachloro-m-xyl	2	20	19.9	99		60	140
		Decachlorobiphen	2	20	22.8	114		60	140
I.BLK-PP073745.D	PIBLK-PP073745.D	Tetrachloro-m-xyl	1	20	20.0	100		60	140
		Decachlorobiphen	1	20	19.8	99		60	140
		Tetrachloro-m-xyl	2	20	19.9	99		60	140
		Decachlorobiphen	2	20	21.8	109		60	140
PB168809BL	PB168809BL	Tetrachloro-m-xyl	1	20	19.3	96		44	130
		Decachlorobiphen	1	20	19.5	97		60	125
		Tetrachloro-m-xyl	2	20	19.3	96		44	130
		Decachlorobiphen	2	20	21.6	108		60	125
Q2555-01MSD	OU4-TS-29-070925MSD	Tetrachloro-m-xyl	1	20	17.8	89		44	130
		Decachlorobiphen	1	20	13.3	66		60	125
		Tetrachloro-m-xyl	2	20	16.6	83		44	130
		Decachlorobiphen	2	20	15.2	76		60	125
I.BLK-PP073752.D	PIBLK-PP073752.D	Tetrachloro-m-xyl	1	20	20.4	102		60	140
		Decachlorobiphen	1	20	20.4	102		60	140
		Tetrachloro-m-xyl	2	20	19.9	100		60	140
		Decachlorobiphen	2	20	22.4	112		60	140
I.BLK-PP073758.D	PIBLK-PP073758.D	Tetrachloro-m-xyl	1	20	21.7	108		60	140

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

Surrogate Summary

SDG No.: Q2555

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP073758.D	PIBLK-PP073758.D	Decachlorobiphen	1	20	21.8	109		60	140
		Tetrachloro-m-xyl	2	20	18.9	94		60	140
		Decachlorobiphen	2	20	22.0	110		60	140
Q2555-03	OU4-TS-30-070925	Tetrachloro-m-xyl	1	20	18.7	94		44	130
		Decachlorobiphen	1	20	17.6	88		60	125
		Tetrachloro-m-xyl	2	20	14.3	72		44	130
		Decachlorobiphen	2	20	17.5	87		60	125
I.BLK-PP073772.D	PIBLK-PP073772.D	Tetrachloro-m-xyl	1	20	20.0	100		60	140
		Decachlorobiphen	1	20	19.6	98		60	140
		Tetrachloro-m-xyl	2	20	19.0	95		60	140
		Decachlorobiphen	2	20	21.3	106		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.: Q2555 **Analytical Method:** 8082A

Client: Nobis Group **DataFile :** PP073720.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2555-01MS (Column 1)**	**Client Sample ID:**		**OU4-TS-29-070925MS**								
	AR1016	224.7	0	179	ug/kg	80				47	134	
	AR1260	224.7	0	152	ug/kg	68				53	140	
Lab Sample ID:	**Q2555-01MS (Column 2)**	**Client Sample ID:**		**OU4-TS-29-070925MS**								
	AR1016	224.7	0	170	ug/kg	76				47	134	
	AR1260	224.7	0	163	ug/kg	73				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.:	Q2555	**Analytical Method:**	8082A
Client:	Nobis Group	**DataFile :**	PP073747.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2555-01MSD (Column 1)**	**Client Sample ID:**		**OU4-TS-29-070925MSD**								
	AR1016	224.3	0	192	ug/kg	86		7		47	134	20
	AR1260	224.3	0	158	ug/kg	70		3		53	140	20
Lab Sample ID:	**Q2555-01MSD (Column 2)**	**Client Sample ID:**		**OU4-TS-29-070925MSD**								
	AR1016	224.3	0	183	ug/kg	82		8		47	134	20
	AR1260	224.3	0	169	ug/kg	75		3		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.: Q2555 **Analytical Method:** 8082A

Client: Nobis Group **Datafile :** PP073718.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168809BS (Column 1)	AR1016	166.5	166	ug/kg	100				47	134	
	AR1260	166.5	151	ug/kg	91				53	140	
PB168809BS (Column 2)	AR1016	166.5	160	ug/kg	96				47	134	
	AR1260	166.5	161	ug/kg	97				53	140	

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168809BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2555

Lab Sample ID: PB168809BL | Lab File ID: PP073746.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/11/2025

Date Analyzed (1): 07/12/2025 | Date Analyzed (2): 07/12/2025

Time Analyzed (1): 00:21 | Time Analyzed (2): 00:21

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
PB168809BS	PB168809BS	PP073718.D	07/11/2025	07/11/2025
OU4-TS-29-070925	Q2555-01	PP073719.D	07/11/2025	07/11/2025
OU4-TS-29-070925MS	Q2555-01MS	PP073720.D	07/11/2025	07/11/2025
OU4-TS-29-070925MSD	Q2555-01MSD	PP073747.D	07/12/2025	07/12/2025
OU4-TS-30-070925	Q2555-03	PP073760.D	07/14/2025	07/14/2025

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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	74.1 Decanted:
Sample Wt/Vol:	30.07 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
PP073719.D	1	07/11/25 08:20	07/11/25 13:43	PB168809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	11.2	U	5.30	11.2	22.9	ug/kg
11104-28-2	Aroclor-1221	17.5	U	5.40	17.5	22.9	ug/kg
11141-16-5	Aroclor-1232	11.2	U	5.00	11.2	22.9	ug/kg
53469-21-9	Aroclor-1242	11.2	U	5.40	11.2	22.9	ug/kg
12672-29-6	Aroclor-1248	17.5	U	8.00	17.5	22.9	ug/kg
11097-69-1	Aroclor-1254	11.2	U	4.30	11.2	22.9	ug/kg
37324-23-5	Aroclor-1262	17.5	U	6.80	17.5	22.9	ug/kg
11100-14-4	Aroclor-1268	11.2	U	4.80	11.2	22.9	ug/kg
11096-82-5	Aroclor-1260	11.2	U	4.30	11.2	22.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.8		44 - 130		109%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.3		60 - 125		62%	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\PP071225\
Data File : PP073719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:43
Operator : YP\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:16:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.482	3.776	29805018	26565572	21.763m	14.420m#
2)	SA Decachlor...	10.169	8.776	11684599	16327861	10.709	12.340
	Target Compounds						

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

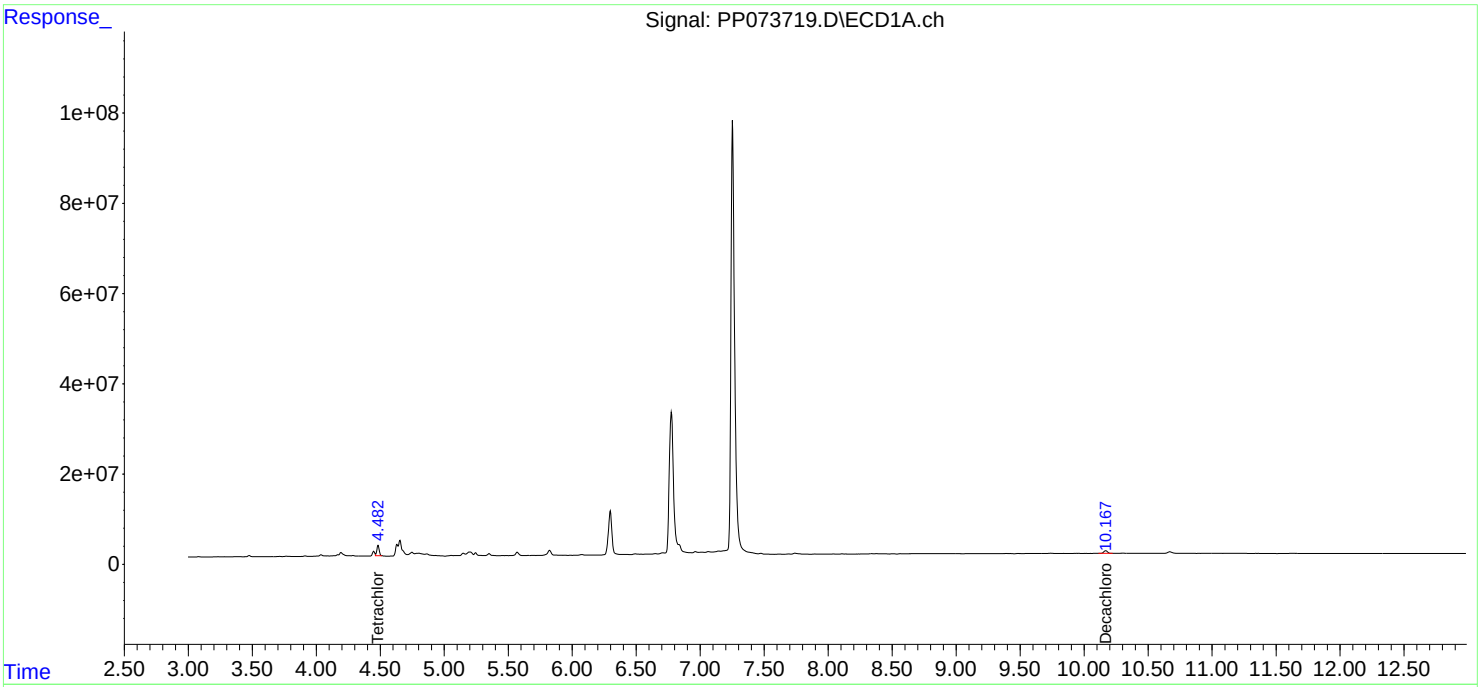
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:43
Operator : YP\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

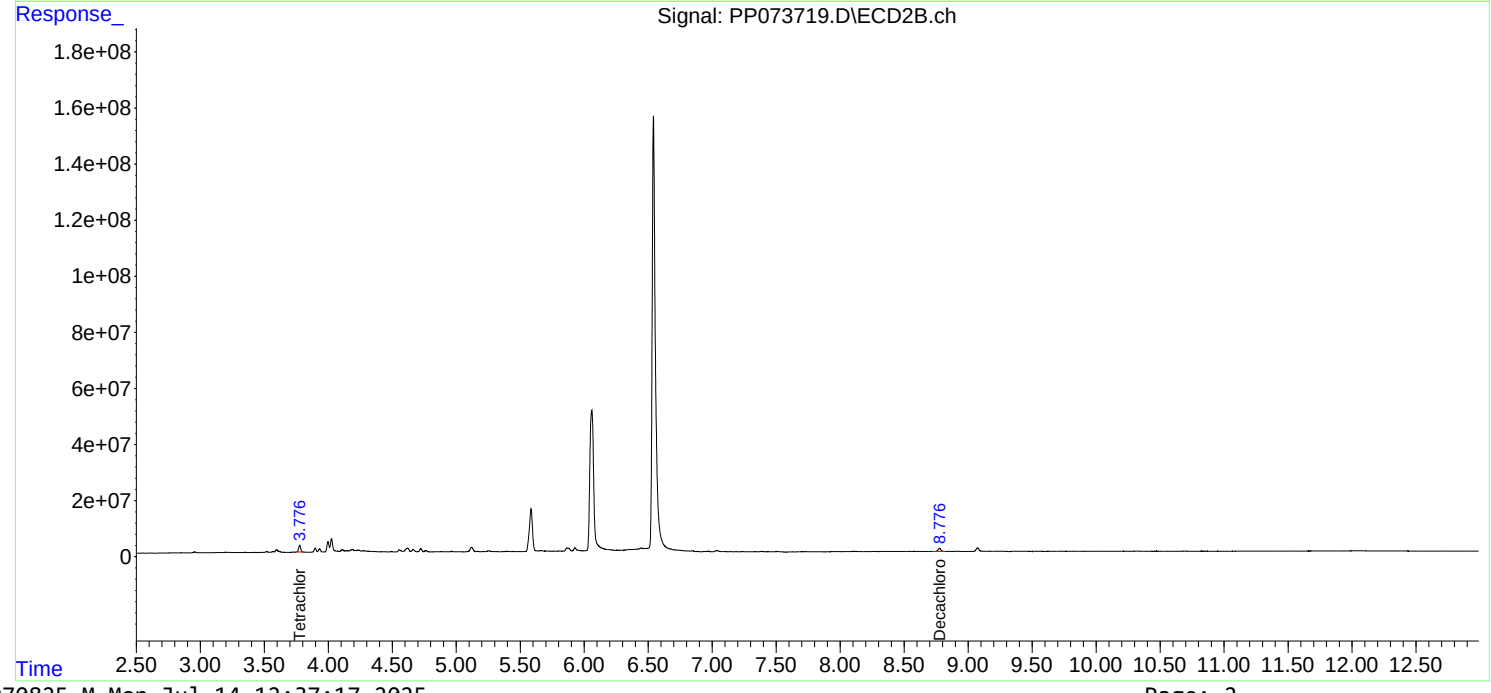
Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925

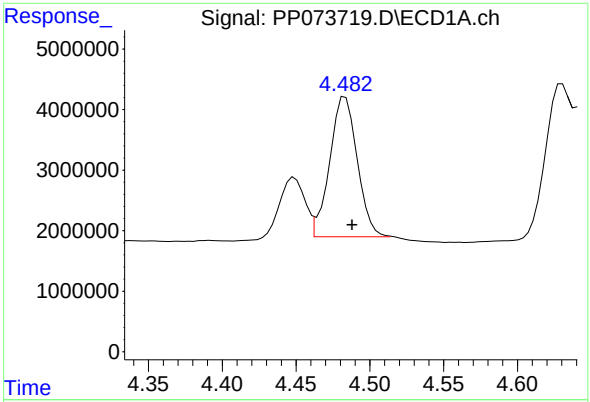
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:16:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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







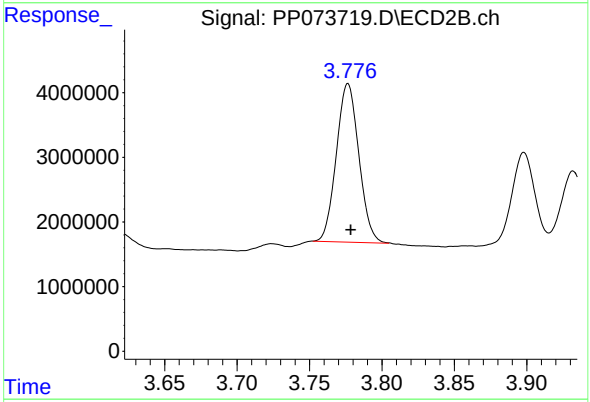
#1 Tetrachloro-m-xylene

R.T.: 4.482 min
Delta R.T.: -0.006 min
Response: 29805018
Conc: 21.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925

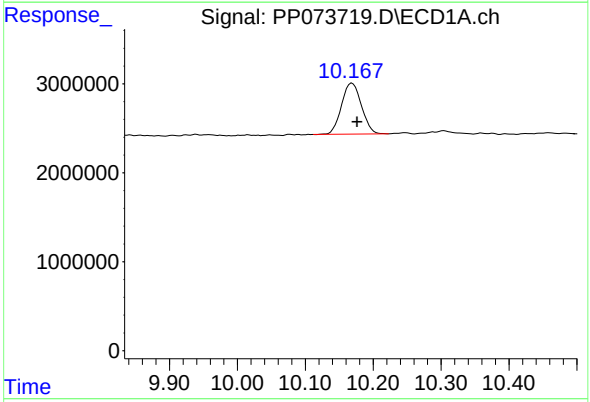
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



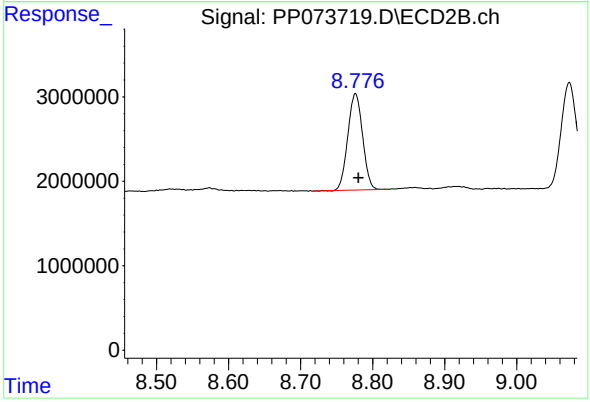
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: -0.002 min
Response: 26565572
Conc: 14.42 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.169 min
Delta R.T.: -0.007 min
Response: 11684599
Conc: 10.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.004 min
Response: 16327861
Conc: 12.34 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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	76.6 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
PP073760.D	1	07/11/25 08:20	07/14/25 11:16	PB168809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	10.8	U	5.10	10.8	22.2	ug/kg
11104-28-2	Aroclor-1221	16.9	U	5.30	16.9	22.2	ug/kg
11141-16-5	Aroclor-1232	10.8	U	4.80	10.8	22.2	ug/kg
53469-21-9	Aroclor-1242	10.8	U	5.20	10.8	22.2	ug/kg
12672-29-6	Aroclor-1248	16.9	U	7.70	16.9	22.2	ug/kg
11097-69-1	Aroclor-1254	10.8	U	4.20	10.8	22.2	ug/kg
37324-23-5	Aroclor-1262	16.9	U	6.50	16.9	22.2	ug/kg
11100-14-4	Aroclor-1268	10.8	U	4.70	10.8	22.2	ug/kg
11096-82-5	Aroclor-1260	10.8	U	4.20	10.8	22.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.7		44 - 130		94%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 125		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\PP071425\
Data File : PP073760.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 11:16
Operator : YP\AJ
Sample : Q2555-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-30-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 11:35:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.490	3.779	25612463	26387268	18.702	14.323
2)	SA Decachlor...	10.174	8.777	19216932	23135134	17.613	17.485
	Target Compounds						

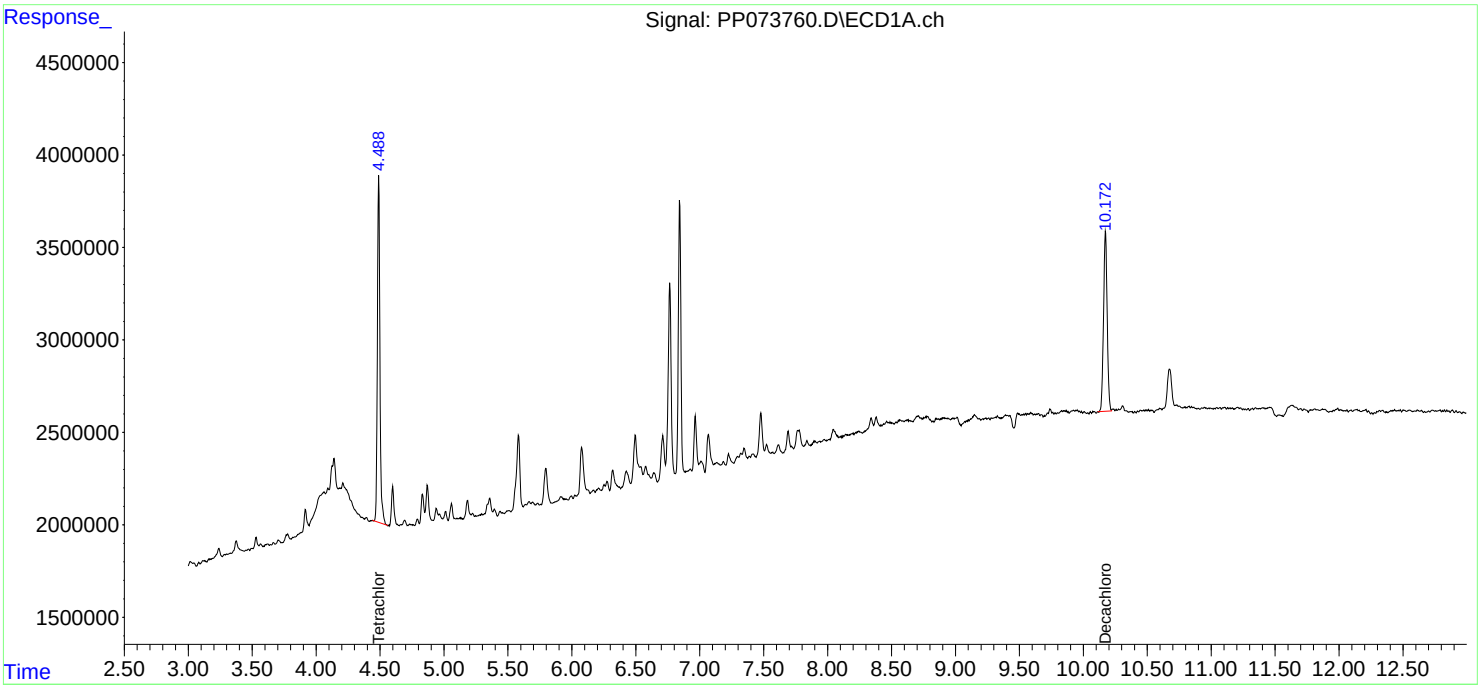
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

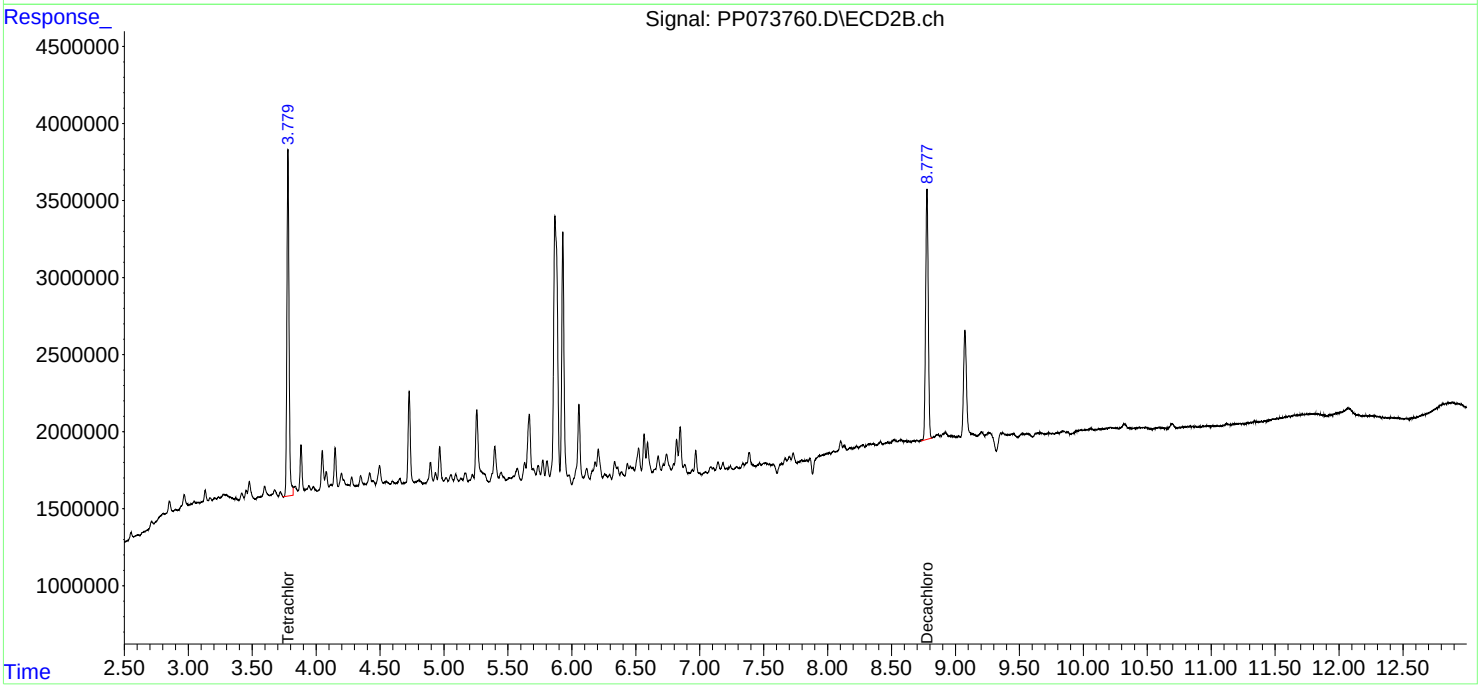
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071425\
Data File : PP073760.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 11:16
Operator : YP\AJ
Sample : Q2555-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

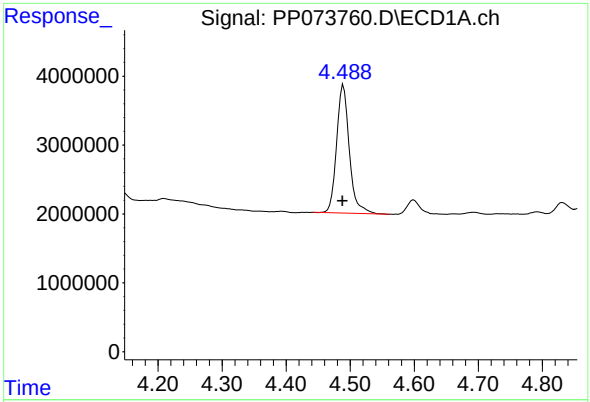
Instrument :
ECD_P
ClientSampleId :
OU4-TS-30-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 11:35:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



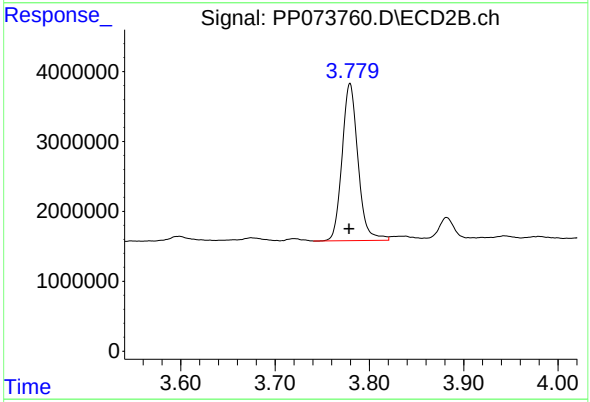




#1 Tetrachloro-m-xylene

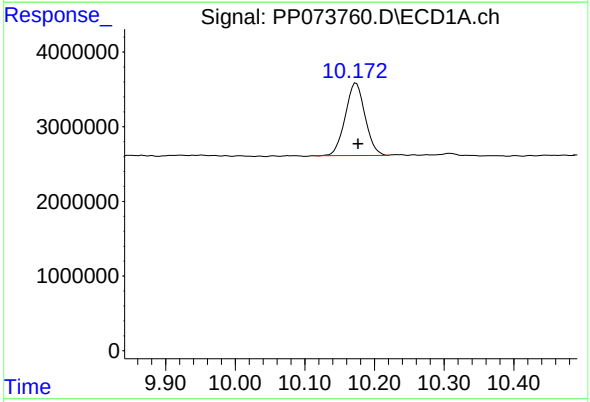
R.T.: 4.490 min
Delta R.T.: 0.002 min
Response: 25612463
Conc: 18.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-30-070925



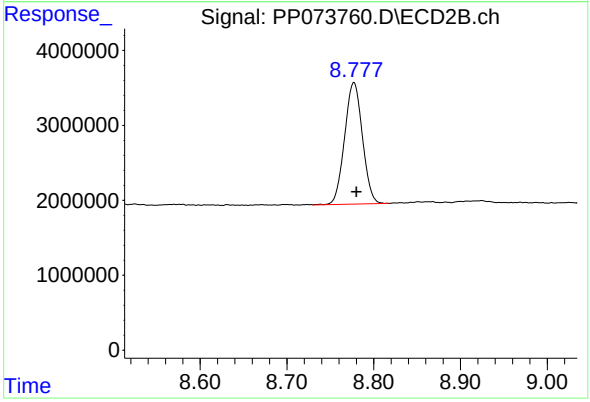
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.001 min
Response: 26387268
Conc: 14.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.174 min
Delta R.T.: -0.002 min
Response: 19216932
Conc: 17.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.777 min
Delta R.T.: -0.003 min
Response: 23135134
Conc: 17.48 ng/ml

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

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P
Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/07/2025 07/08/2025
Calibration Times: 21:03 04:24

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

LAB FILE ID: RT 1000 = PP073554.D RT 750 = PP073555.D
RT 500 = PP073556.D RT 250 = PP073557.D RT 050 = PP073558.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1016-2	(2)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1016-3	(3)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1016-4	(4)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1016-5	(5)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1260-1	(1)	7.23	7.23	7.23	7.23	7.23	7.23	7.13	7.33
Aroclor-1260-2	(2)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1260-4	(4)	8.06	8.07	8.06	8.07	8.06	8.06	7.96	8.16
Aroclor-1260-5	(5)	8.38	8.38	8.38	8.39	8.38	8.38	8.28	8.48
Decachlorobiphenyl		10.18	10.18	10.18	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1242-1	(1)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1242-2	(2)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1242-3	(3)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1242-4	(4)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1242-5	(5)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1248-1	(1)	5.64	5.64	5.64	5.64	5.63	5.64	5.54	5.74
Aroclor-1248-2	(2)	5.91	5.91	5.91	5.91	5.91	5.91	5.81	6.01
Aroclor-1248-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1248-4	(4)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1248-5	(5)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1254-1	(1)	6.49	6.49	6.49	6.48	6.49	6.49	6.39	6.59
Aroclor-1254-2	(2)	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1254-3	(3)	7.07	7.07	7.06	7.06	7.06	7.07	6.97	7.17
Aroclor-1254-4	(4)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Aroclor-1254-5	(5)	7.76	7.76	7.76	7.76	7.76	7.76	7.66	7.86
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1268-1	(1)	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Aroclor-1268-2	(2)	8.78	8.79	8.79	8.78	8.79	8.79	8.69	8.89
Aroclor-1268-3	(3)	9.01	9.01	9.01	9.01	9.02	9.01	8.91	9.11
Aroclor-1268-4	(4)	9.43	9.43	9.43	9.43	9.43	9.43	9.33	9.53
Aroclor-1268-5	(5)	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.18	10.18	10.18	10.17	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene	4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

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

LAB FILE ID: RT 1000 = PP073554.D RT 750 = PP073555.D

RT 500 = PP073556.D RT 250 = PP073557.D RT 050 = PP073558.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1016-2	(2)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-3	(3)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1016-4	(4)	5.10	5.10	5.09	5.10	5.09	5.09	4.99	5.19
Aroclor-1016-5	(5)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1260-1	(1)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1260-2	(2)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1260-3	(3)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1260-4	(4)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Aroclor-1260-5	(5)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1242-2	(2)	4.87	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-3	(3)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1242-4	(4)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1242-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1248-2	(2)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1248-3	(3)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-4	(4)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1248-5	(5)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1254-1	(1)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1254-2	(2)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1254-3	(3)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1254-4	(4)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1254-5	(5)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1268-1	(1)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-2	(2)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-3	(3)	7.94	7.94	7.94	7.94	7.94	7.94	7.84	8.04
Aroclor-1268-4	(4)	8.23	8.23	8.23	8.23	8.23	8.23	8.13	8.33
Aroclor-1268-5	(5)	8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/07/2025 07/08/2025
Calibration Times: 21:03 04:24

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

LAB FILE ID: CF 1000 = PP073554.D CF 750 = PP073555.D
CF 500 = PP073556.D CF 250 = PP073557.D CF 050 = PP073558.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	42452248	45617859	47138872	50511676	51847220	47513575	8
Aroclor-1016-2	(2)	66518124	70141979	72048808	76716636	70648900	71214889	5
Aroclor-1016-3	(3)	39961628	42046196	44162638	46389840	45755080	43663076	6
Aroclor-1016-4	(4)	33606097	35475740	36592056	38460728	35593260	35945576	5
Aroclor-1016-5	(5)	30910810	31971305	32786356	34274032	26709560	31330413	9
Aroclor-1260-1	(1)	55735594	57789364	59663732	63324028	58293500	58961244	5
Aroclor-1260-2	(2)	82256765	86873544	90393892	97973444	121701660	95839861	16
Aroclor-1260-3	(3)	71122512	73727981	74691298	76804056	69007300	73070629	4
Aroclor-1260-4	(4)	63951646	66011447	66730410	69035472	60770420	65299879	5
Aroclor-1260-5	(5)	147606205	151816095	154896322	160840336	139104740	150852740	5
Decachlorobiphenyl		1075002490	1114272707	1146110620	1163852360	956024000	1091052435	8
Tetrachloro-m-xylene		1314627420	1370591720	1413189460	1469047800	1280173600	1369526000	6
Aroclor-1242-1	(1)	37824570	38531545	40764028	42347748	31473220	38188222	11
Aroclor-1242-2	(2)	59433539	58987884	63134254	65007836	52846680	59882039	8
Aroclor-1242-3	(3)	35307728	35832168	38067086	39311740	34585840	36620912	5
Aroclor-1242-4	(4)	29431539	30211543	31738592	32275500	37022940	32136023	9
Aroclor-1242-5	(5)	31742412	31628361	33353228	35089048	31871320	32736874	5
Decachlorobiphenyl		1095703140	1117596867	1144519060	1154694600	992628000	1101028333	6
Tetrachloro-m-xylene		1336424670	1349665200	1427212360	1438929280	1262569400	1362960182	5
Aroclor-1248-1	(1)	29290065	30340729	31459936	34321104	28940820	30870531	7
Aroclor-1248-2	(2)	37625323	39736876	40535254	44074952	37644360	39923353	7
Aroclor-1248-3	(3)	43927993	45846956	46075290	48569104	37628800	44409629	9
Aroclor-1248-4	(4)	53376796	55925132	57147446	59774616	49178580	55080514	7
Aroclor-1248-5	(5)	51803368	53704276	55758942	57942584	49744040	53790642	6
Decachlorobiphenyl		1098016930	1133084880	1145143920	1172914800	889666400	1087765386	10
Tetrachloro-m-xylene		1321954420	1371326347	1415433040	1456874560	1240770200	1361271713	6
Aroclor-1254-1	(1)	50900598	53159759	55209204	57116384	51561700	53589529	5
Aroclor-1254-2	(2)	77237012	80519573	82538946	86348708	89800160	83288880	6
Aroclor-1254-3	(3)	83677544	86010903	88492372	92072040	91405580	88331688	4
Aroclor-1254-4	(4)	74438148	76222969	79592040	81854844	81227180	78667036	4
Aroclor-1254-5	(5)	71888659	74572743	74620102	76347748	70969780	73679806	3
Decachlorobiphenyl		1107439250	1132832533	1145288580	1145076280	1133429800	1132813289	1
Tetrachloro-m-xylene		1351624000	1395660893	1401155480	1465561640	1387618000	1400324003	3
Aroclor-1268-1	(1)	220572869	225132533	228083942	237689468	204639620	223223686	5

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	188785361	192061012	194228718	202923360	174527620	190505214	5
Aroclor-1268-3	(3)	161320167	164379476	166708106	175220108	160250740	165575719	4
Aroclor-1268-4	(4)	68937885	69804631	69558114	75087068	64331720	69543884	5
Aroclor-1268-5	(5)	477643268	472782711	485154758	497337016	371889540	460961459	11
Decachlorobiphenyl		1977874930	2021254947	2057047680	2189262080	1794844800	2008056887	7
Tetrachloro-m-xylene		1351774000	1390310400	1415817780	1495349000	1314096000	1393469436	5

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/07/2025 07/08/2025
Calibration Times: 21:03 04:24

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

LAB FILE ID: CF 1000 = PP073554.D CF 750 = PP073555.D
CF 500 = PP073556.D CF 250 = PP073557.D CF 050 = PP073558.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	63548895	66956692	68520980	73175628	68671440	68174727	5
Aroclor-1016-2	(2)	95987811	99810097	102589296	109872788	101161940	101884386	5
Aroclor-1016-3	(3)	50406684	53112144	54849034	57930668	54233060	54106318	5
Aroclor-1016-4	(4)	39688708	42104989	43896956	47040184	46673360	43880839	7
Aroclor-1016-5	(5)	50298801	53487816	55660288	59272232	54193420	54582511	6
Aroclor-1260-1	(1)	89335231	94510516	99471332	104207304	100277120	97560301	6
Aroclor-1260-2	(2)	113000947	118559808	124003550	129850992	128772620	122837583	6
Aroclor-1260-3	(3)	102918015	108414332	112293296	117668340	106025080	109463813	5
Aroclor-1260-4	(4)	82942909	90440599	92349274	96325208	84984160	89408430	6
Aroclor-1260-5	(5)	218347404	234684793	232225124	233707816	204717920	224736611	6
Decachlorobiphenyl		1288482360	1338938240	1324505420	1466524480	1197294400	1323148980	7
Tetrachloro-m-xylene		1774031450	1893159427	1873404460	1944042160	1726825000	1842292499	5
Aroclor-1242-1	(1)	53636877	56644489	60339480	62120840	56082120	57764761	6
Aroclor-1242-2	(2)	81745742	82323689	88927402	91756504	87517600	86454187	5
Aroclor-1242-3	(3)	43191003	44194741	47579930	48843488	45924140	45946660	5
Aroclor-1242-4	(4)	40719317	41867060	45117014	46860680	46752460	44263306	6
Aroclor-1242-5	(5)	53173633	53609452	57067394	58584716	53777140	55242467	4
Decachlorobiphenyl		1306642480	1369985587	1353011840	1407476720	1194819200	1326387165	6
Tetrachloro-m-xylene		1787240920	1786937067	1893455580	1997751320	1666197200	1826316417	7
Aroclor-1248-1	(1)	41993150	43590469	45185544	49843992	43861300	44894891	7
Aroclor-1248-2	(2)	55737799	58586344	61889020	66706936	64762540	61536528	7
Aroclor-1248-3	(3)	58429721	61323012	64407590	69469512	66692820	64064531	7
Aroclor-1248-4	(4)	68661033	72026459	75308372	81734520	79156680	75377413	7
Aroclor-1248-5	(5)	69725277	73210425	76423314	81696724	71898780	74590904	6
Decachlorobiphenyl		1298382400	1392805453	1360355620	1440840840	1158845800	1330246023	8
Tetrachloro-m-xylene		1855486030	1865559853	1910416600	1967065360	1674658000	1854637169	6
Aroclor-1254-1	(1)	105364555	111697468	112323806	121711620	129052960	116030082	8
Aroclor-1254-2	(2)	90612135	96205700	96079760	105129084	115091100	100623556	10
Aroclor-1254-3	(3)	142515413	152219476	152099148	162118636	163279600	154446455	6
Aroclor-1254-4	(4)	86996505	93901768	94351020	100389560	97157080	94559187	5
Aroclor-1254-5	(5)	123596587	131044949	130737444	141046724	140798600	133444861	6
Decachlorobiphenyl		1348192280	1398430560	1372338640	1507697520	1377457800	1400823360	4
Tetrachloro-m-xylene		1809940380	1949806187	1892015400	1932532480	1944382600	1905735409	3
Aroclor-1268-1	(1)	290584667	307587391	307795276	323603296	307313580	307376842	4

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	254148086	267727805	267575410	282961968	256026000	265687854	4
Aroclor-1268-3	(3)	211648098	225837245	227309934	242217372	220889640	225580458	5
Aroclor-1268-4	(4)	89640321	95098047	95218176	99881904	85000720	92967834	6
Aroclor-1268-5	(5)	595257746	637650785	622434144	650778188	576631820	616550537	5
Decachlorobiphenyl		2396229270	2556860227	2535017940	2683507840	2355689000	2505460855	5
Tetrachloro-m-xylene		1866286350	1953909840	1937791560	2021719520	1790813600	1914104174	5

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_P **Date(s) Analyzed:** 07/07/2025 07/08/2025

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	4.69	4.59	4.79	17866400
		2	4.78	4.68	4.88	13504500
		3	4.85	4.75	4.95	41604800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.85	4.75	4.95	32650800
		2	5.37	5.27	5.47	16254700
		3	5.66	5.56	5.76	32993400
		4	5.82	5.72	5.92	16445200
		5	5.91	5.81	6.01	10570400
Aroclor-1262	500	1	8.07	7.97	8.17	87027200
		2	8.38	8.28	8.48	198028000
		3	8.70	8.60	8.80	125725000
		4	8.78	8.68	8.88	93262800
		5	9.43	9.33	9.53	63389400

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_P **Date(s) Analyzed:** 07/07/2025 07/08/2025

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	3.99	3.89	4.09	27045000
		2	4.08	3.98	4.18	20360400
		3	4.15	4.05	4.25	61448600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	46614400
		2	4.88	4.78	4.98	47659800
		3	5.05	4.95	5.15	25029000
		4	5.14	5.04	5.24	21656200
		5	5.31	5.21	5.41	22563400
Aroclor-1262	500	1	6.89	6.79	6.99	147692000
		2	7.15	7.05	7.25	127829000
		3	7.67	7.57	7.77	114019000
		4	7.74	7.64	7.84	184049000
		5	8.23	8.13	8.33	84435600

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:03
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: Jul 08 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.486	3.781	131.5E6	177.4E6	93.026	94.696
2)	SA Decachlor...	10.176	8.782	107.5E6	128.8E6	93.796	97.280
	Target Compounds						
3)	L1 AR-1016-1	5.637	4.858	42452248	63548895	900.578	927.437
4)	L1 AR-1016-2	5.658	4.876	66518124	95987811	923.237	935.651
5)	L1 AR-1016-3	5.720	5.053	39961628	50406684	904.874	919.008
6)	L1 AR-1016-4	5.818	5.095	33606097	39688708	918.399	904.134
7)	L1 AR-1016-5	6.111	5.308	30910810	50298801	942.795	903.675
31)	L7 AR-1260-1	7.227	6.338	55735594	89335231	934.162	898.100
32)	L7 AR-1260-2	7.481	6.527	82256765	113.0E6	909.981	911.272
33)	L7 AR-1260-3	7.838	6.679	71122512	102.9E6	952.220	916.511
34)	L7 AR-1260-4	8.063	7.148	63951646	82942909	958.358	898.144
35)	L7 AR-1260-5	8.381	7.390	147.6E6	218.3E6	952.936	940.240

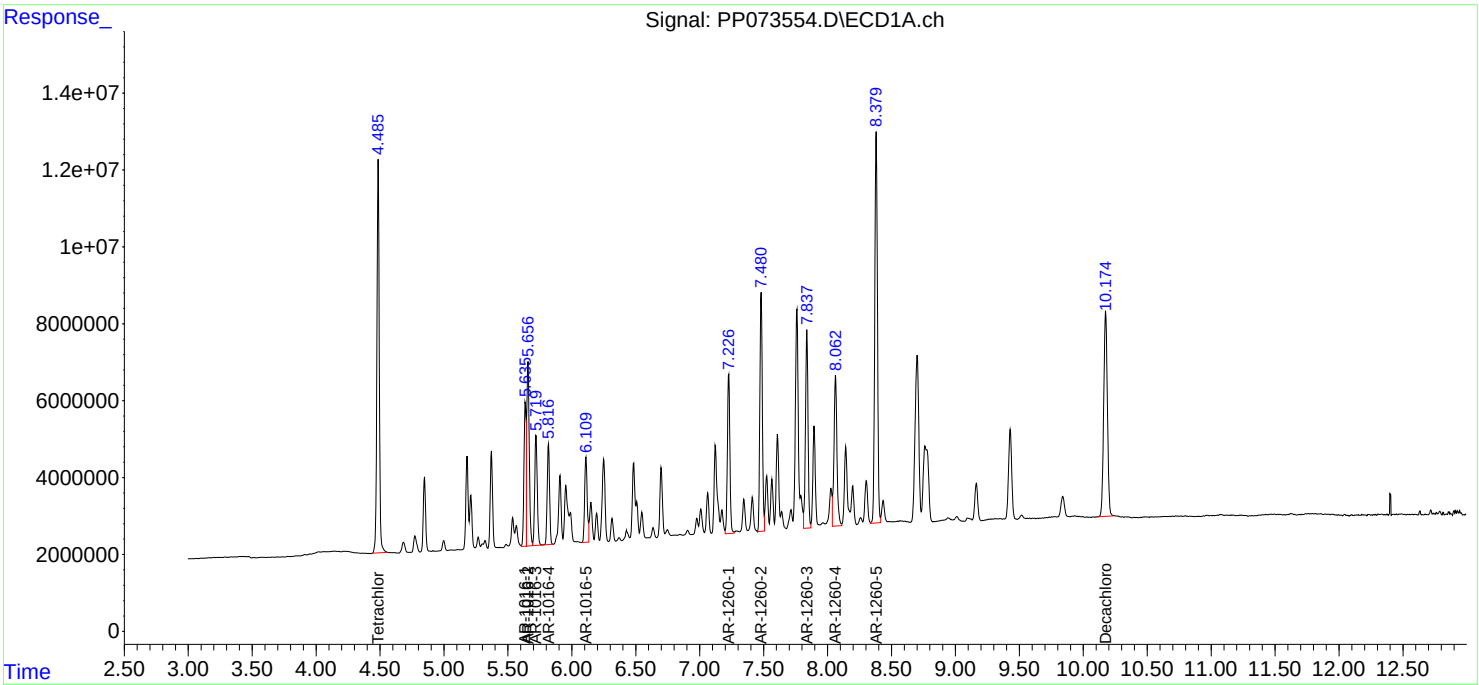
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

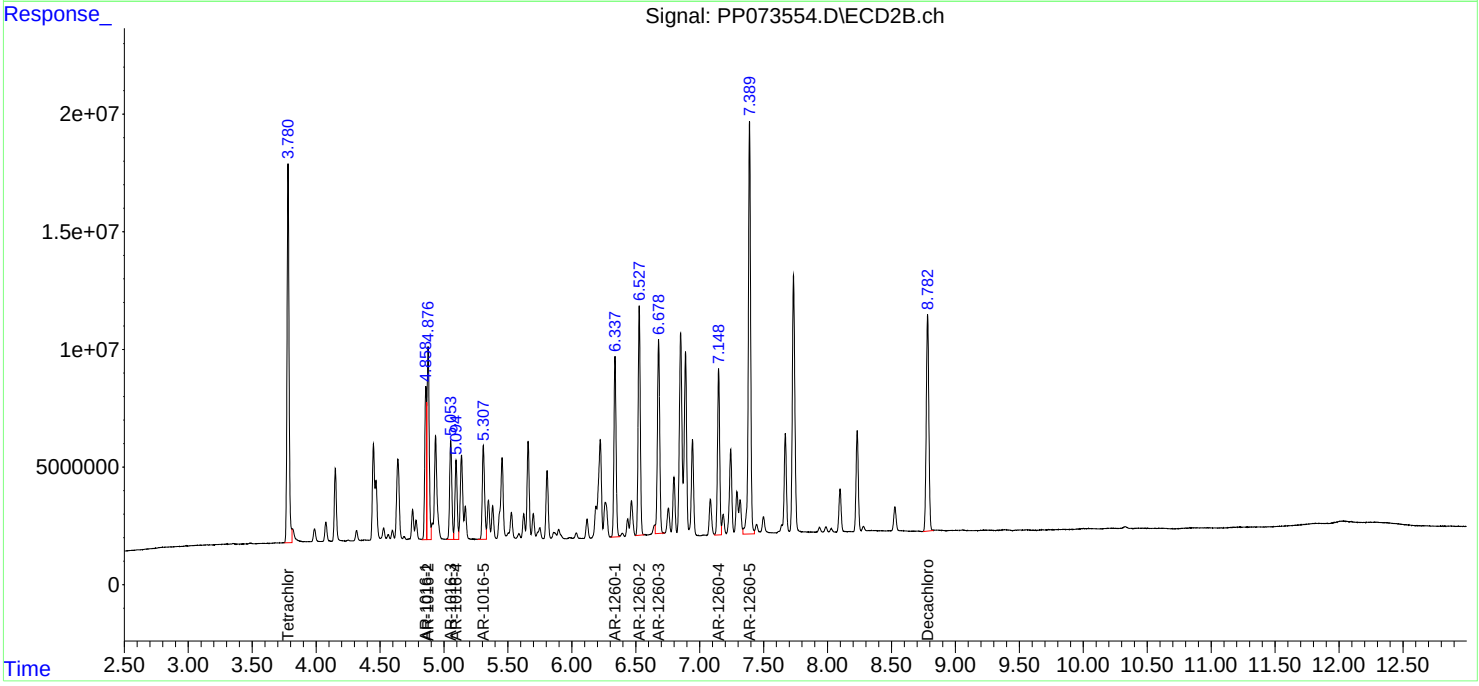
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:03
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

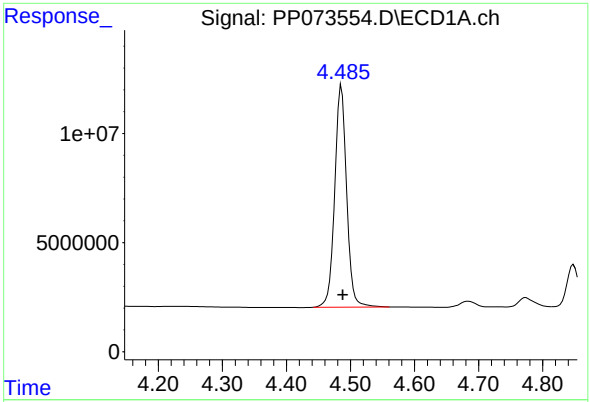
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



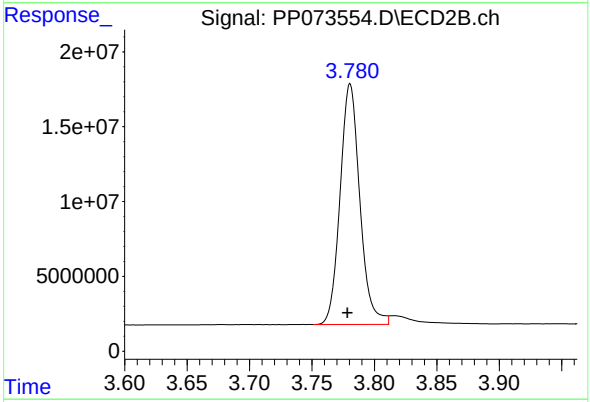




#1 Tetrachloro-m-xylene

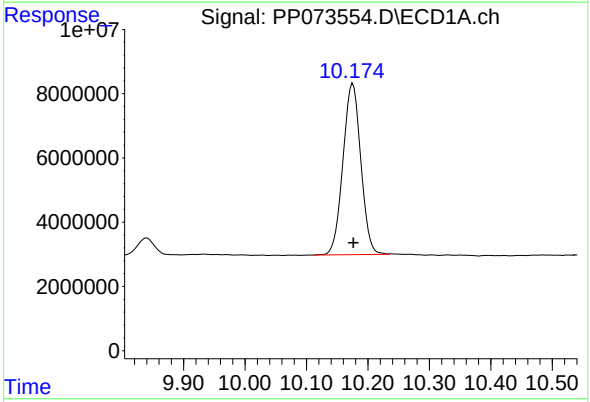
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 131462742
Conc: 93.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



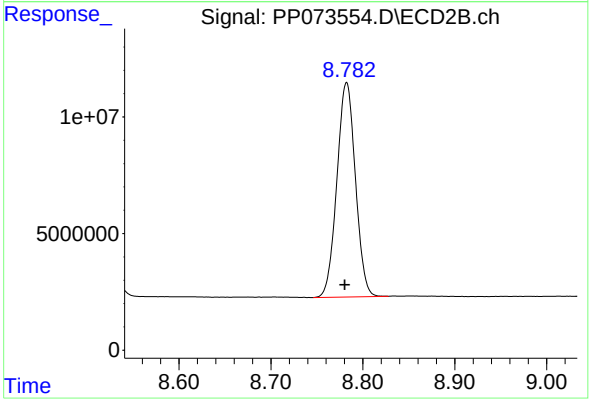
#1 Tetrachloro-m-xylene

R.T.: 3.781 min
Delta R.T.: 0.002 min
Response: 177403145
Conc: 94.70 ng/ml



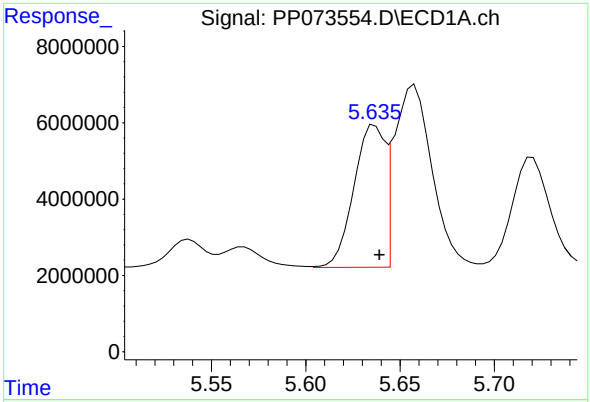
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 107500249
Conc: 93.80 ng/ml



#2 Decachlorobiphenyl

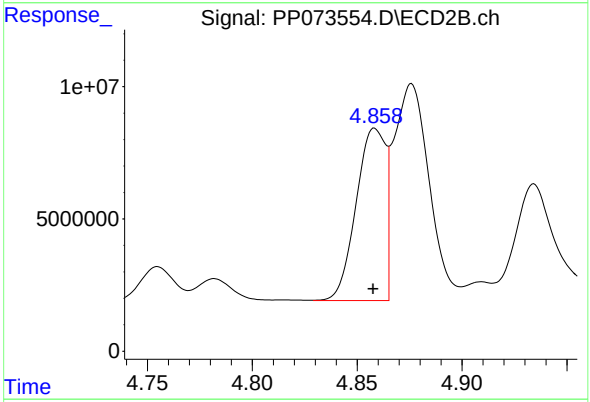
R.T.: 8.782 min
Delta R.T.: 0.002 min
Response: 128848236
Conc: 97.28 ng/ml



#3 AR-1016-1

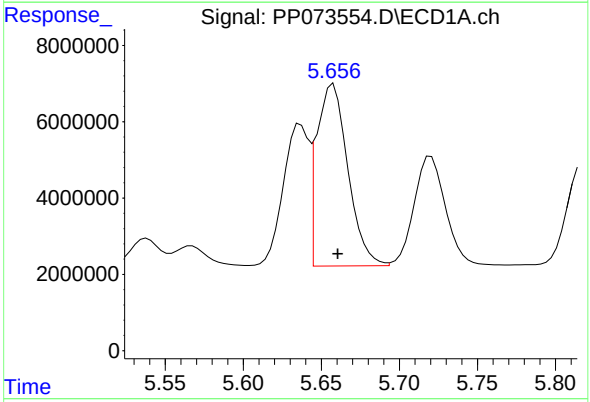
R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 42452248
Conc: 900.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



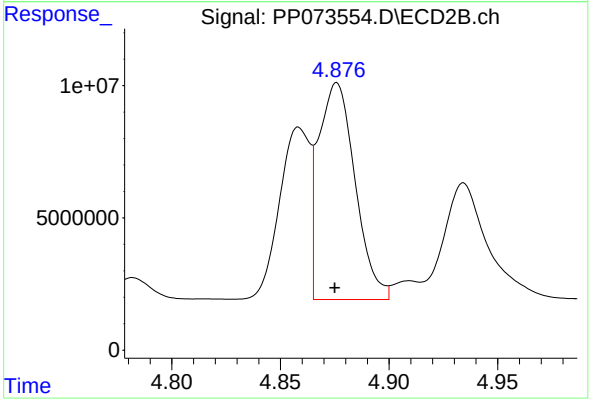
#3 AR-1016-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 63548895
Conc: 927.44 ng/ml



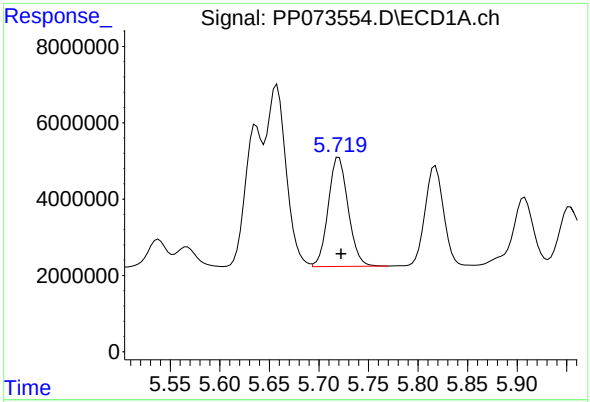
#4 AR-1016-2

R.T.: 5.658 min
Delta R.T.: -0.003 min
Response: 66518124
Conc: 923.24 ng/ml



#4 AR-1016-2

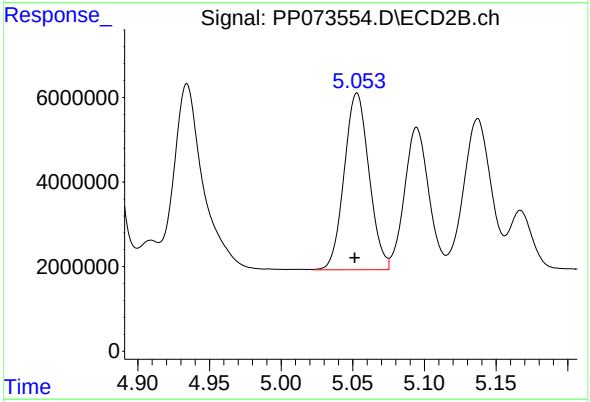
R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 95987811
Conc: 935.65 ng/ml



#5 AR-1016-3

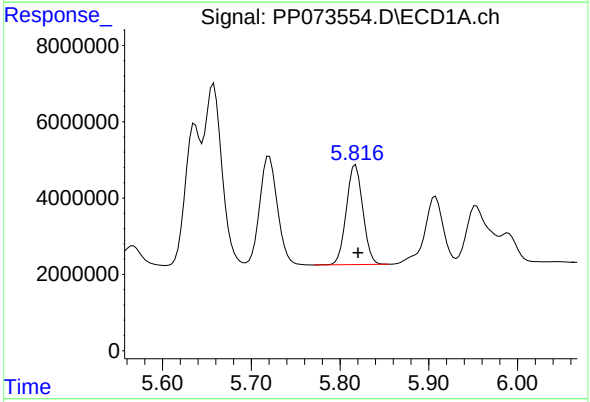
R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 39961628
Conc: 904.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



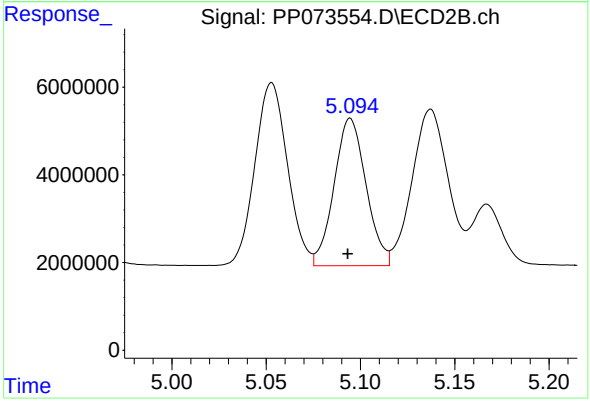
#5 AR-1016-3

R.T.: 5.053 min
Delta R.T.: 0.001 min
Response: 50406684
Conc: 919.01 ng/ml



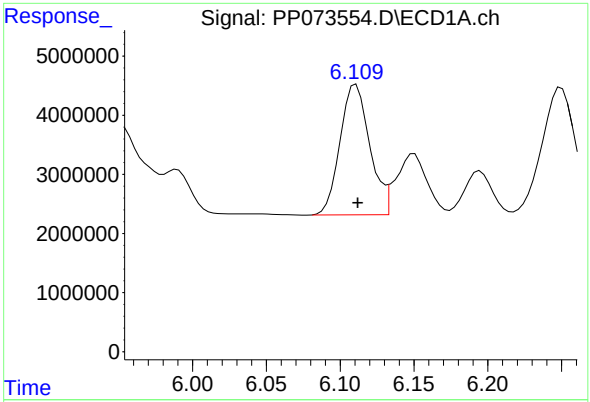
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.003 min
Response: 33606097
Conc: 918.40 ng/ml



#6 AR-1016-4

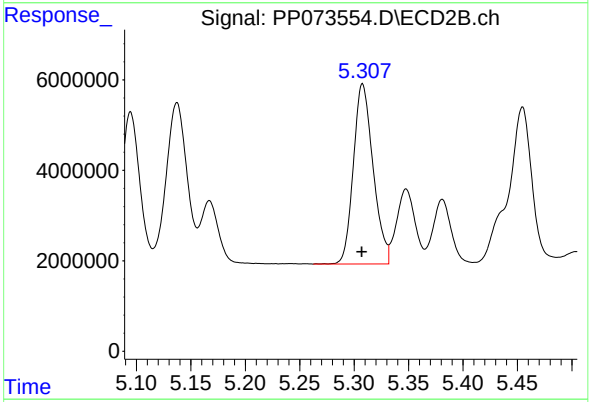
R.T.: 5.095 min
Delta R.T.: 0.001 min
Response: 39688708
Conc: 904.13 ng/ml



#7 AR-1016-5

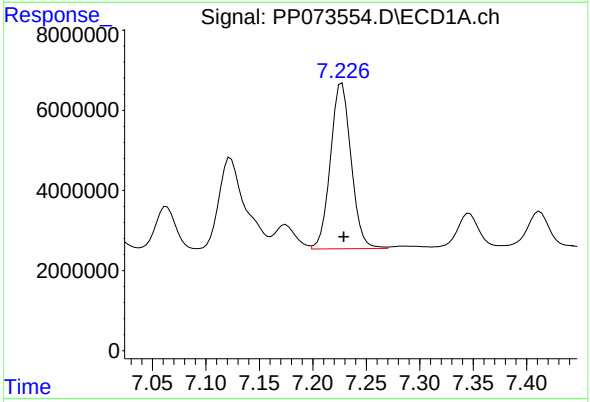
R.T.: 6.111 min
Delta R.T.: -0.001 min
Response: 30910810
Conc: 942.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



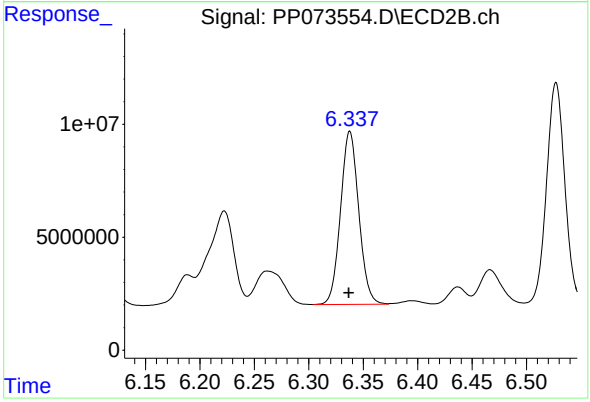
#7 AR-1016-5

R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 50298801
Conc: 903.67 ng/ml



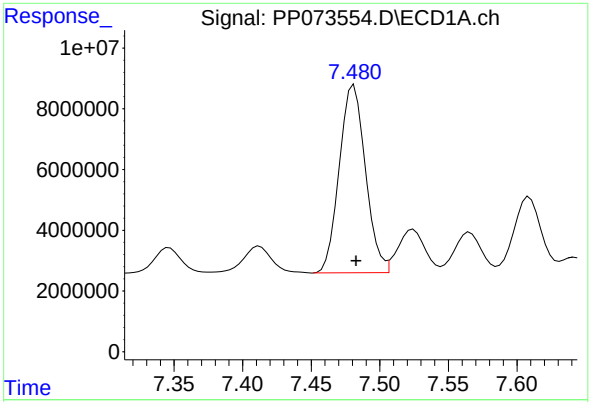
#31 AR-1260-1

R.T.: 7.227 min
Delta R.T.: -0.002 min
Response: 55735594
Conc: 934.16 ng/ml



#31 AR-1260-1

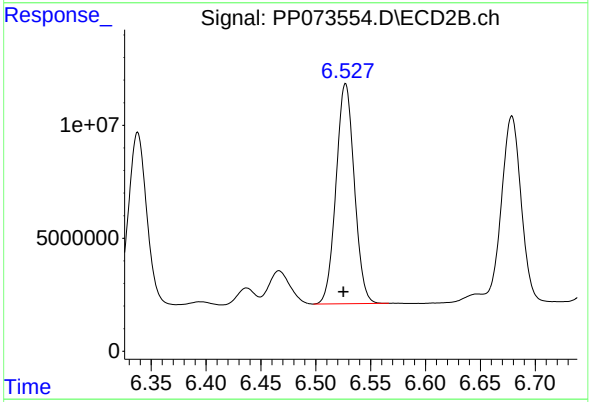
R.T.: 6.338 min
Delta R.T.: 0.001 min
Response: 89335231
Conc: 898.10 ng/ml



#32 AR-1260-2

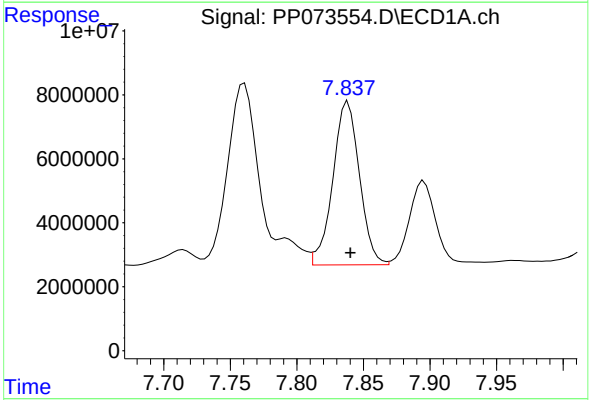
R.T.: 7.481 min
Delta R.T.: -0.002 min
Response: 82256765
Conc: 909.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



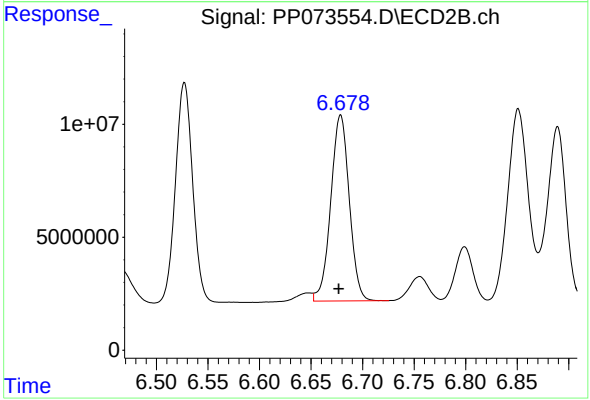
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.002 min
Response: 113000947
Conc: 911.27 ng/ml



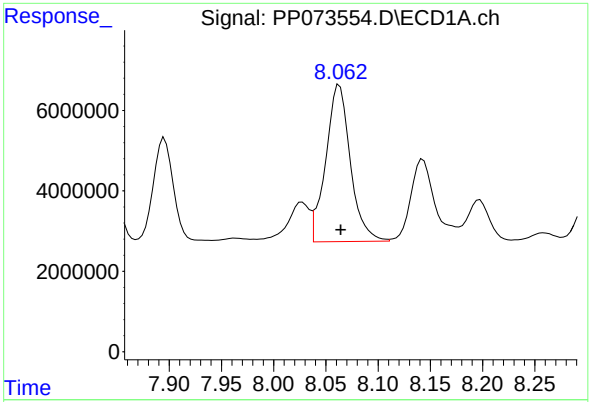
#33 AR-1260-3

R.T.: 7.838 min
Delta R.T.: -0.002 min
Response: 71122512
Conc: 952.22 ng/ml



#33 AR-1260-3

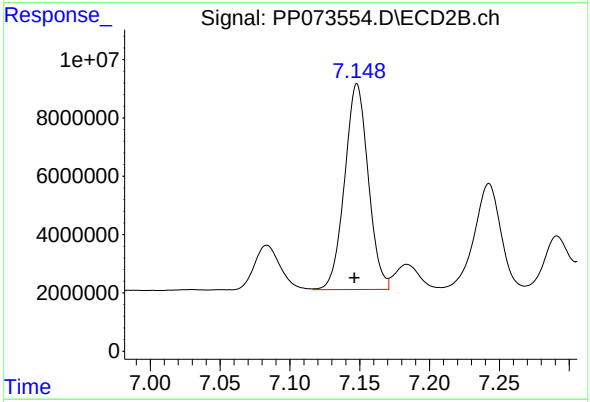
R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 102918015
Conc: 916.51 ng/ml



#34 AR-1260-4

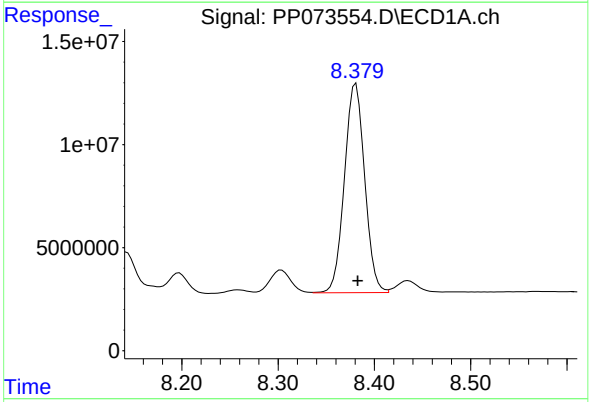
R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 63951646
Conc: 958.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



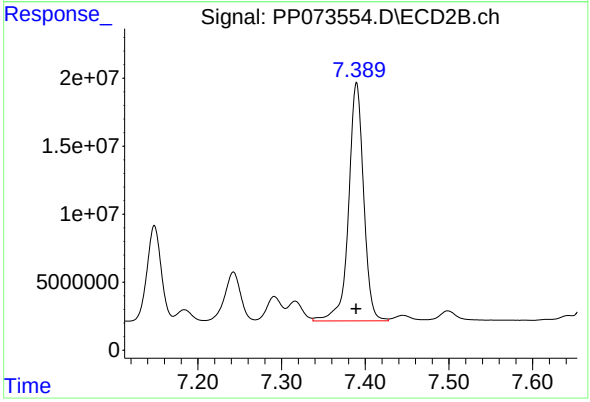
#34 AR-1260-4

R.T.: 7.148 min
Delta R.T.: 0.002 min
Response: 82942909
Conc: 898.14 ng/ml



#35 AR-1260-5

R.T.: 8.381 min
Delta R.T.: -0.002 min
Response: 147606205
Conc: 952.94 ng/ml



#35 AR-1260-5

R.T.: 7.390 min
Delta R.T.: 0.000 min
Response: 218347404
Conc: 940.24 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:19
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: Jul 08 01:39:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.780	102.8E6	142.0E6	72.739	75.791
2)	SA Decachlor...	10.177	8.781	83570453	100.4E6	72.917	75.817
	Target Compounds						
3)	L1 AR-1016-1	5.639	4.859	34213394	50217519	725.800	732.878
4)	L1 AR-1016-2	5.661	4.876	52606484	74857573	730.151	729.682
5)	L1 AR-1016-3	5.722	5.052	31534647	39834108	714.057	726.250
6)	L1 AR-1016-4	5.820	5.095	26606805	31578742	727.120	719.383
7)	L1 AR-1016-5	6.112	5.308	23978479	40115862	731.355	720.727
31)	L7 AR-1260-1	7.230	6.338	43342023	70882887	726.438	712.596
32)	L7 AR-1260-2	7.483	6.527	65155158	88919856	720.792	717.075
33)	L7 AR-1260-3	7.841	6.678	55295986	81310749	740.327	724.093
34)	L7 AR-1260-4	8.065	7.148	49508585	67830449	741.919	734.499
35)	L7 AR-1260-5	8.383	7.390	113.9E6	176.0E6	735.086	757.944

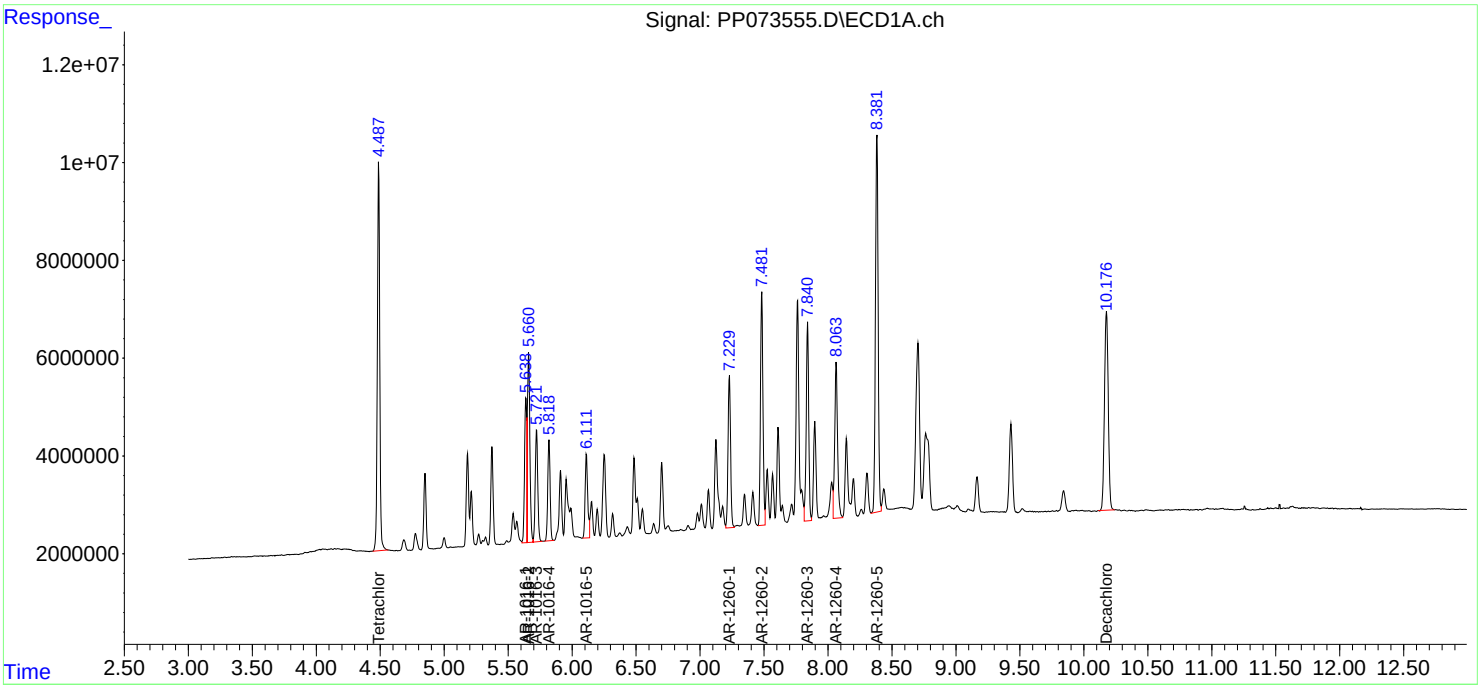
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

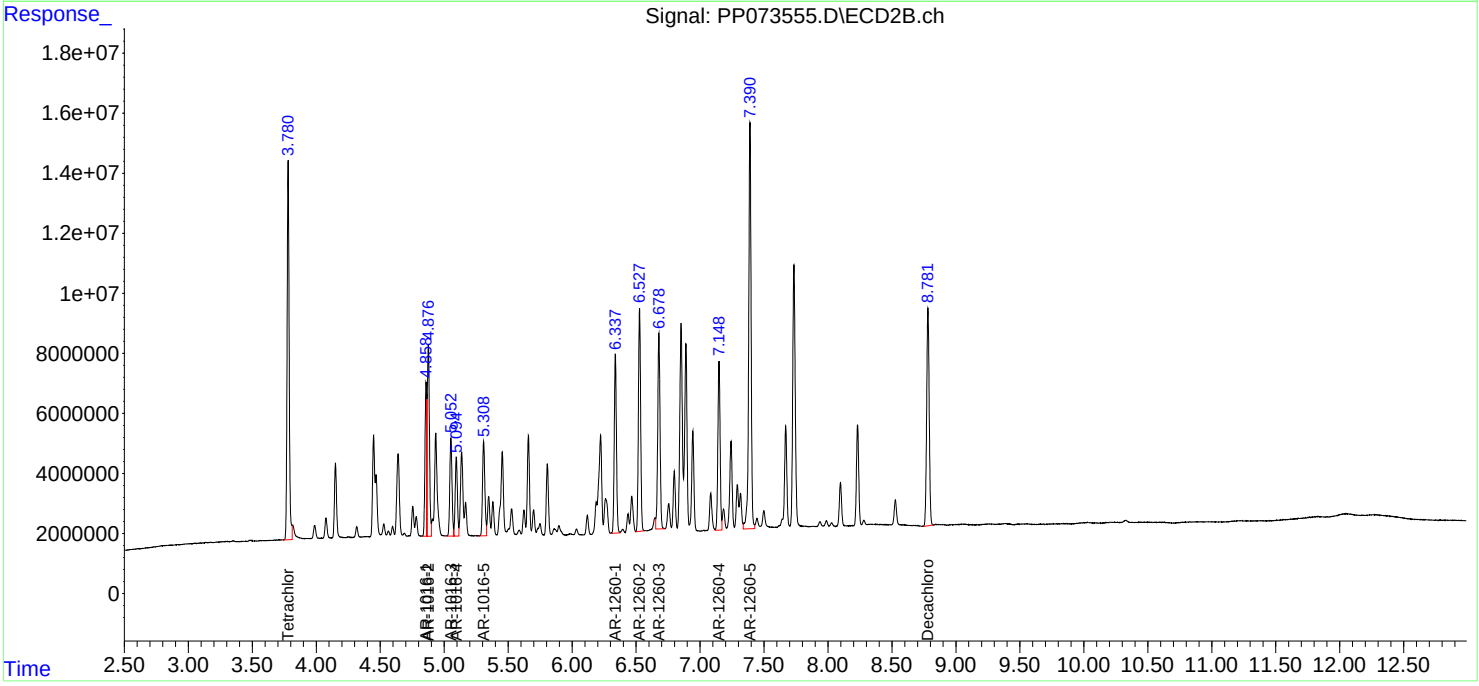
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:19
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

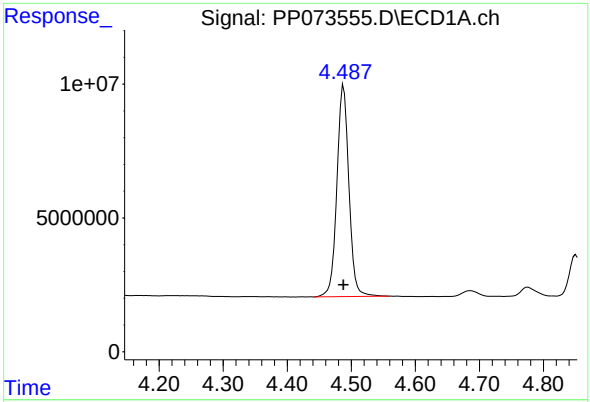
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:39:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



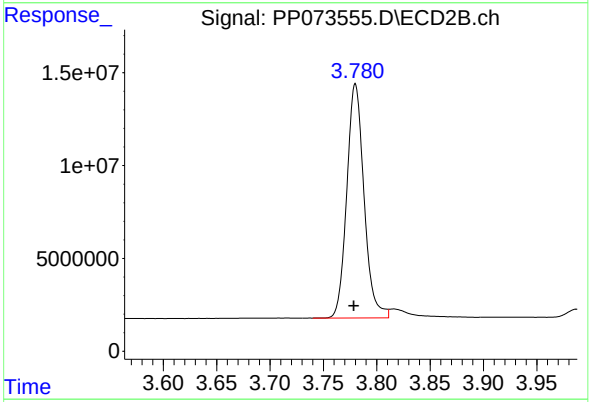




#1 Tetrachloro-m-xylene

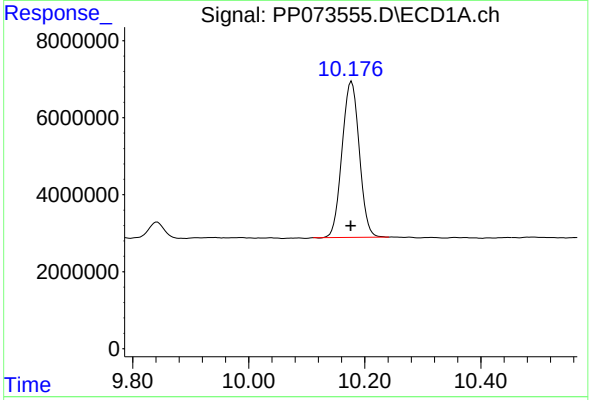
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 102794379
Conc: 72.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



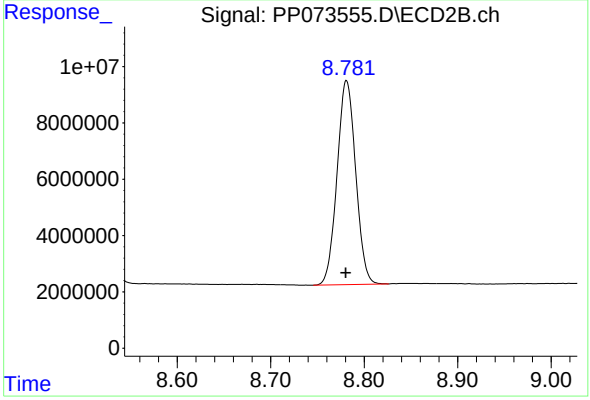
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.002 min
Response: 141986957
Conc: 75.79 ng/ml



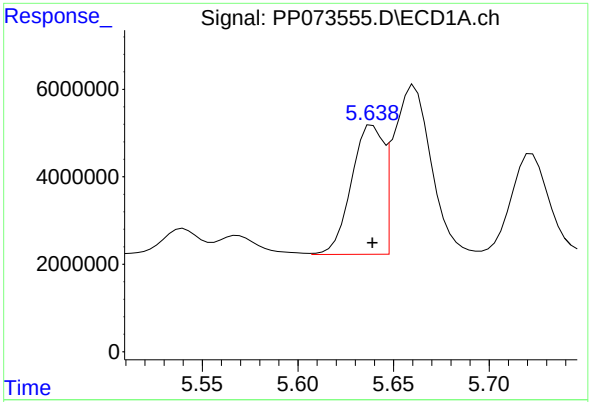
#2 Decachlorobiphenyl

R.T.: 10.177 min
Delta R.T.: 0.001 min
Response: 83570453
Conc: 72.92 ng/ml



#2 Decachlorobiphenyl

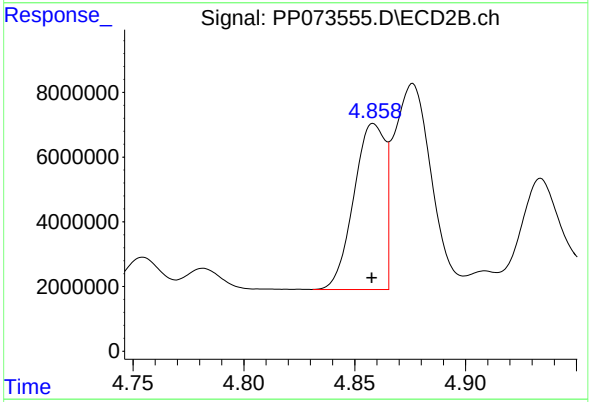
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 100420368
Conc: 75.82 ng/ml



#3 AR-1016-1

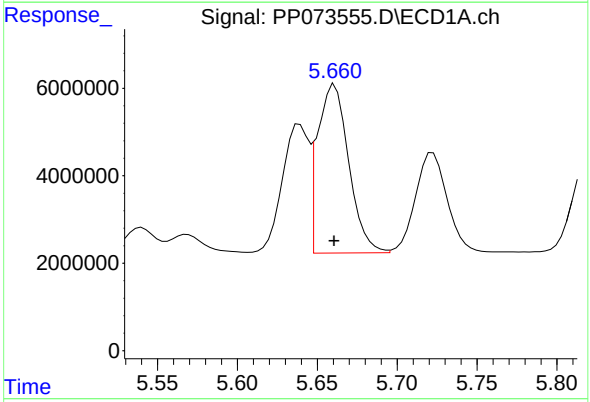
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 34213394
Conc: 725.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



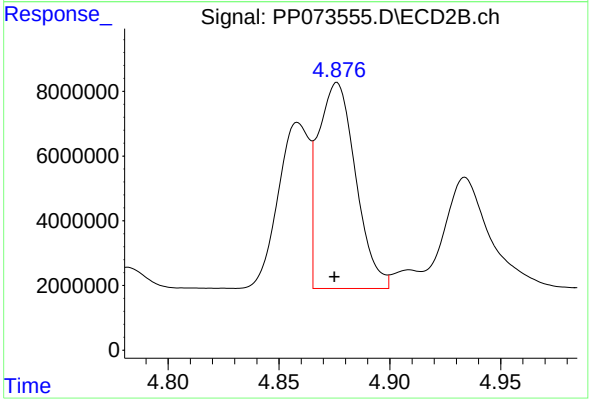
#3 AR-1016-1

R.T.: 4.859 min
Delta R.T.: 0.000 min
Response: 50217519
Conc: 732.88 ng/ml



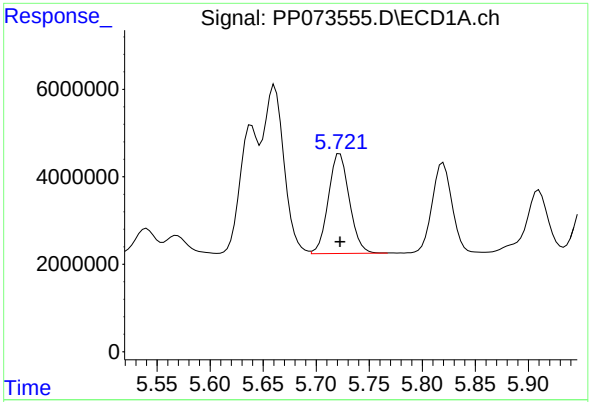
#4 AR-1016-2

R.T.: 5.661 min
Delta R.T.: 0.000 min
Response: 52606484
Conc: 730.15 ng/ml



#4 AR-1016-2

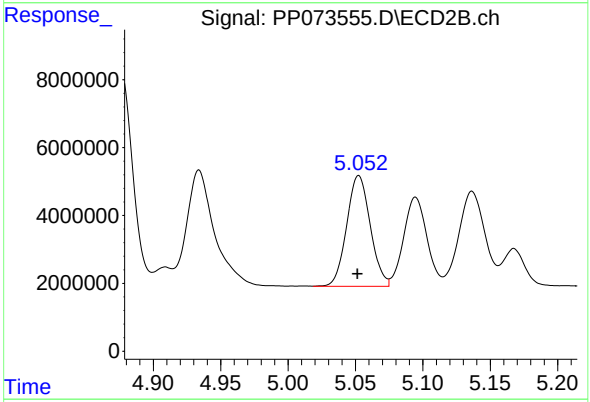
R.T.: 4.876 min
Delta R.T.: 0.001 min
Response: 74857573
Conc: 729.68 ng/ml



#5 AR-1016-3

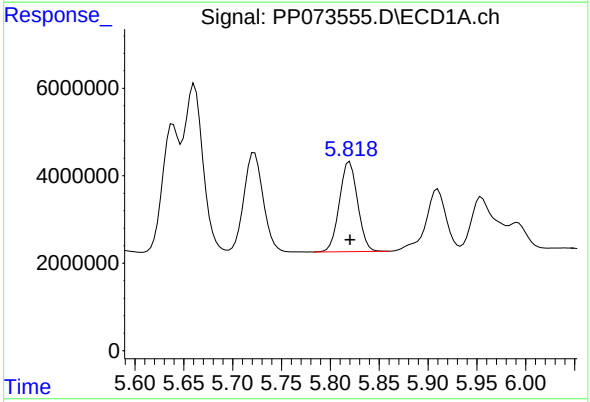
R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 31534647
Conc: 714.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



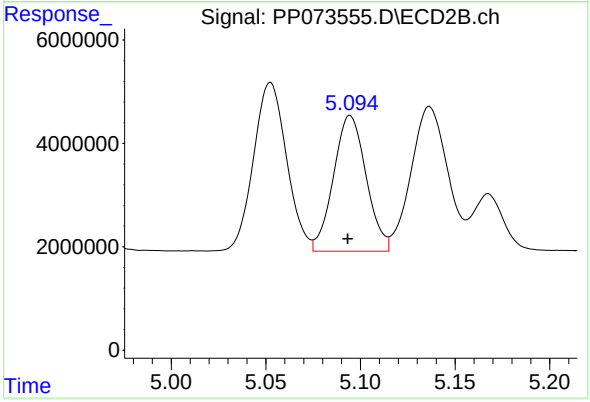
#5 AR-1016-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 39834108
Conc: 726.25 ng/ml



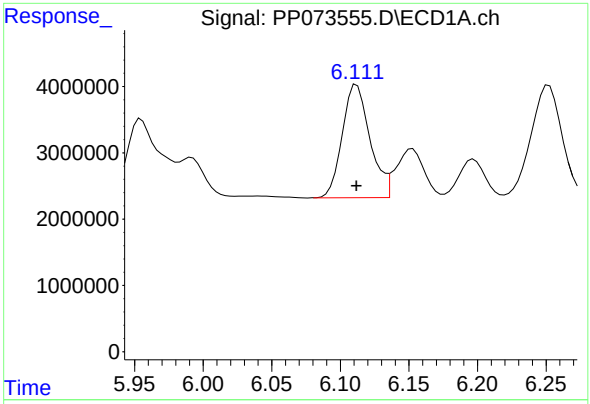
#6 AR-1016-4

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 26606805
Conc: 727.12 ng/ml



#6 AR-1016-4

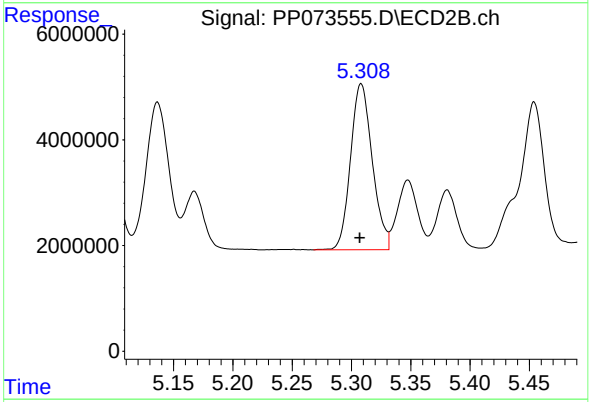
R.T.: 5.095 min
Delta R.T.: 0.001 min
Response: 31578742
Conc: 719.38 ng/ml



#7 AR-1016-5

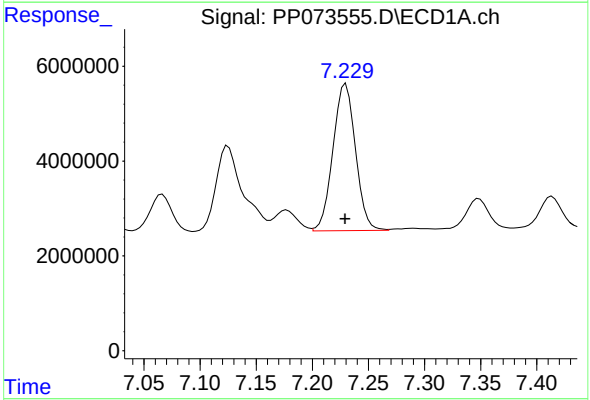
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 23978479
Conc: 731.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



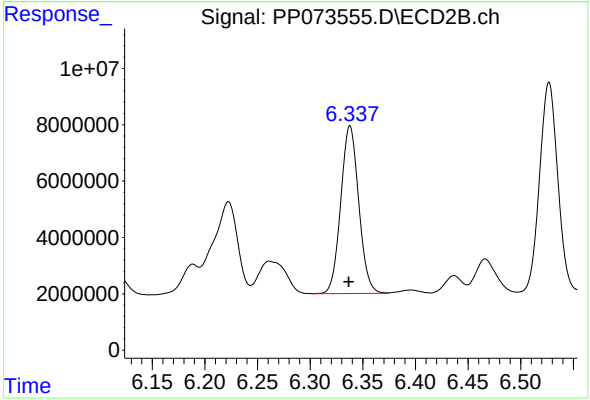
#7 AR-1016-5

R.T.: 5.308 min
Delta R.T.: 0.001 min
Response: 40115862
Conc: 720.73 ng/ml



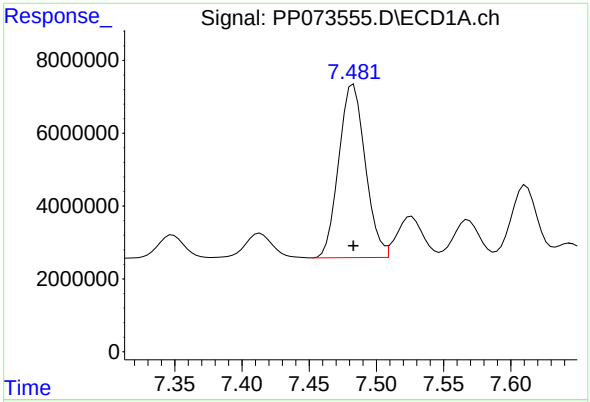
#31 AR-1260-1

R.T.: 7.230 min
Delta R.T.: 0.000 min
Response: 43342023
Conc: 726.44 ng/ml



#31 AR-1260-1

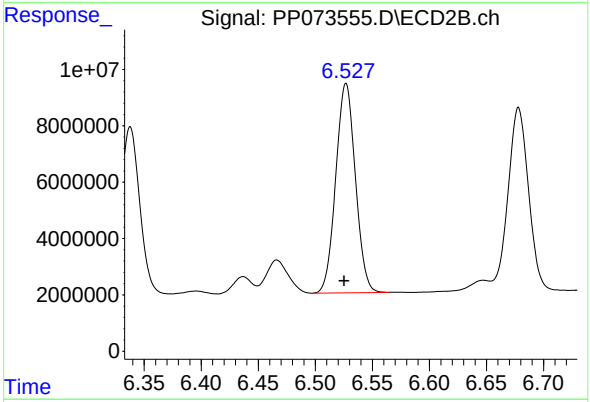
R.T.: 6.338 min
Delta R.T.: 0.001 min
Response: 70882887
Conc: 712.60 ng/ml



#32 AR-1260-2

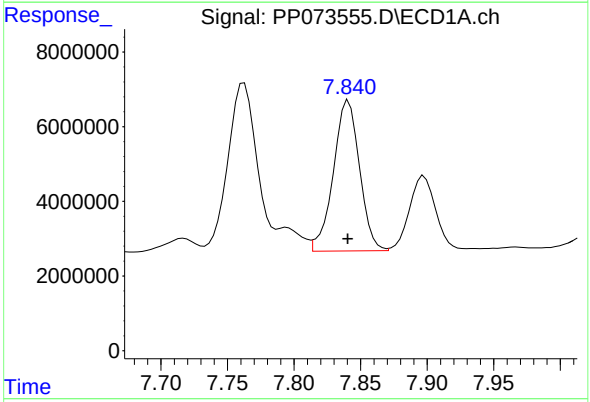
R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 65155158
Conc: 720.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



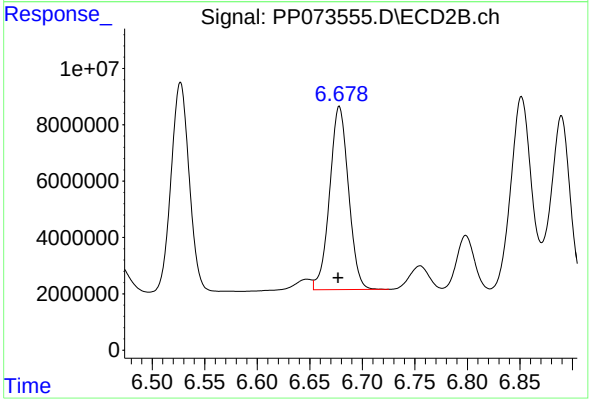
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.002 min
Response: 88919856
Conc: 717.08 ng/ml



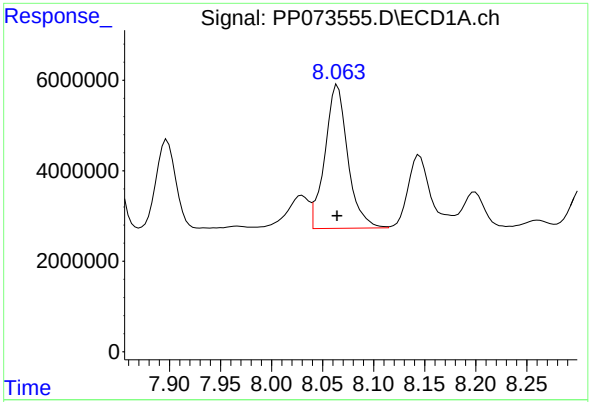
#33 AR-1260-3

R.T.: 7.841 min
Delta R.T.: 0.000 min
Response: 55295986
Conc: 740.33 ng/ml



#33 AR-1260-3

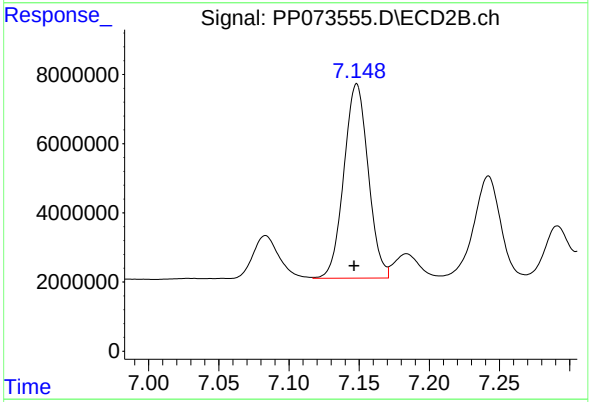
R.T.: 6.678 min
Delta R.T.: 0.001 min
Response: 81310749
Conc: 724.09 ng/ml



#34 AR-1260-4

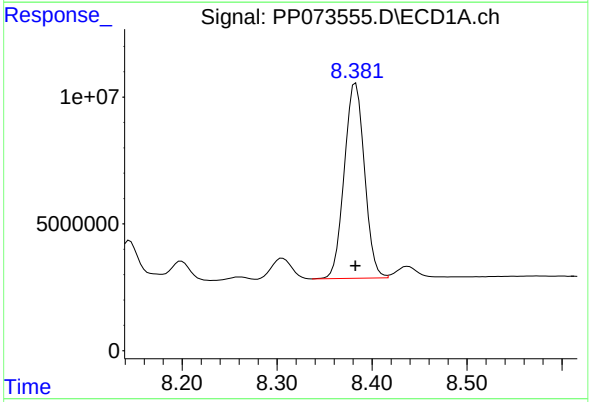
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 49508585
Conc: 741.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



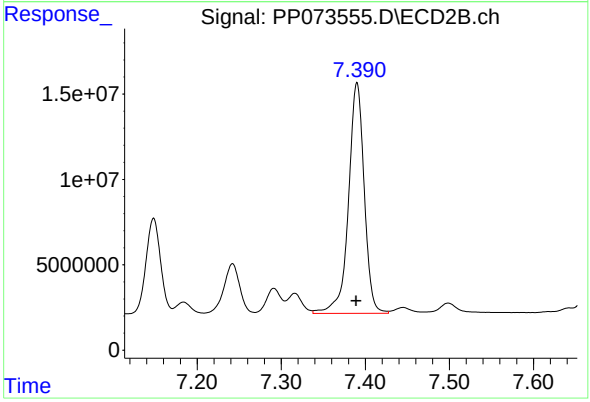
#34 AR-1260-4

R.T.: 7.148 min
Delta R.T.: 0.002 min
Response: 67830449
Conc: 734.50 ng/ml



#35 AR-1260-5

R.T.: 8.383 min
Delta R.T.: 0.000 min
Response: 113862071
Conc: 735.09 ng/ml



#35 AR-1260-5

R.T.: 7.390 min
Delta R.T.: 0.001 min
Response: 176013595
Conc: 757.94 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:35
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: Jul 08 01:40:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.778	70659473	93670223	50.000	50.000
2)	SA Decachlor...	10.176	8.780	57305531	66225271	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.639	4.858	23569436	34260490	500.000	500.000
4)	L1 AR-1016-2	5.660	4.875	36024404	51294648	500.000	500.000
5)	L1 AR-1016-3	5.722	5.051	22081319	27424517	500.000	500.000
6)	L1 AR-1016-4	5.820	5.093	18296028	21948478	500.000	500.000
7)	L1 AR-1016-5	6.112	5.307	16393178	27830144	500.000	500.000
31)	L7 AR-1260-1	7.229	6.337	29831866	49735666	500.000	500.000
32)	L7 AR-1260-2	7.483	6.525	45196946	62001775	500.000	500.000
33)	L7 AR-1260-3	7.840	6.677	37345649	56146648	500.000	500.000
34)	L7 AR-1260-4	8.064	7.146	33365205	46174637	500.000	500.000
35)	L7 AR-1260-5	8.383	7.389	77448161	116.1E6	500.000	500.000

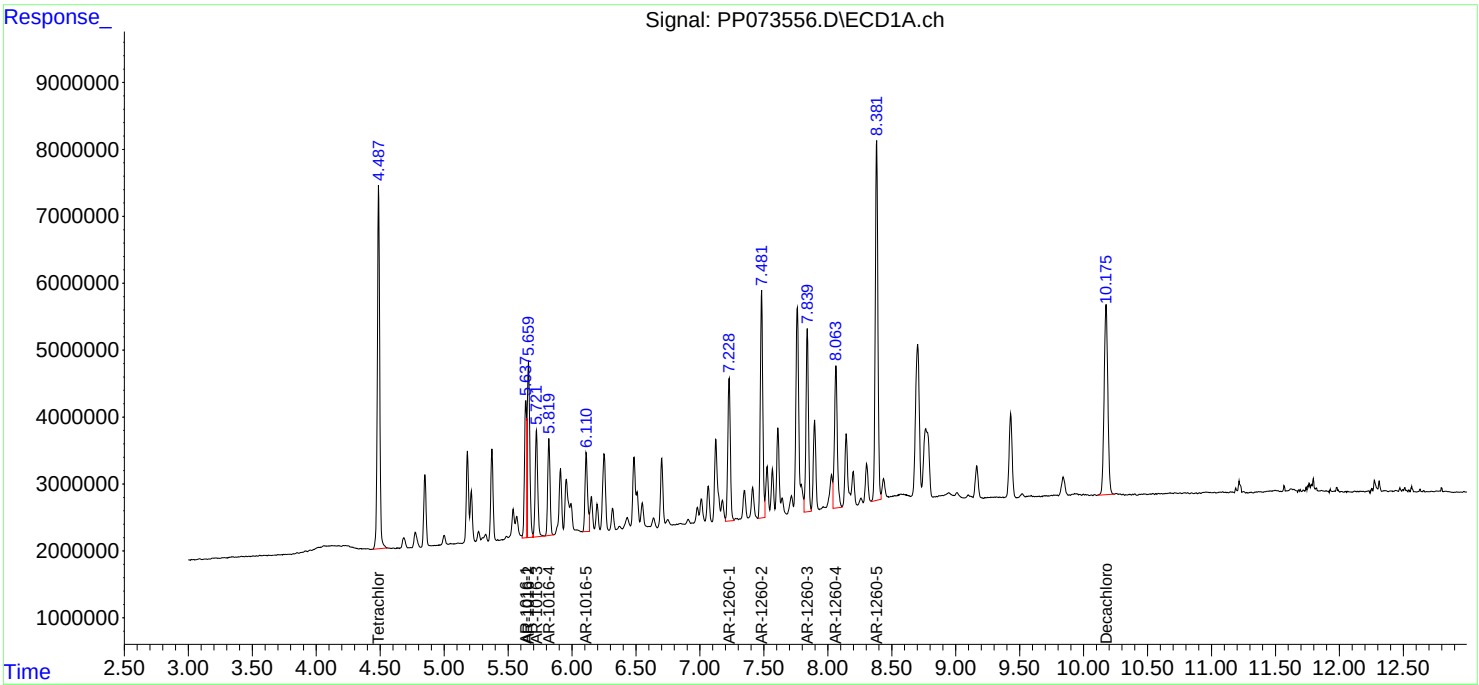
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

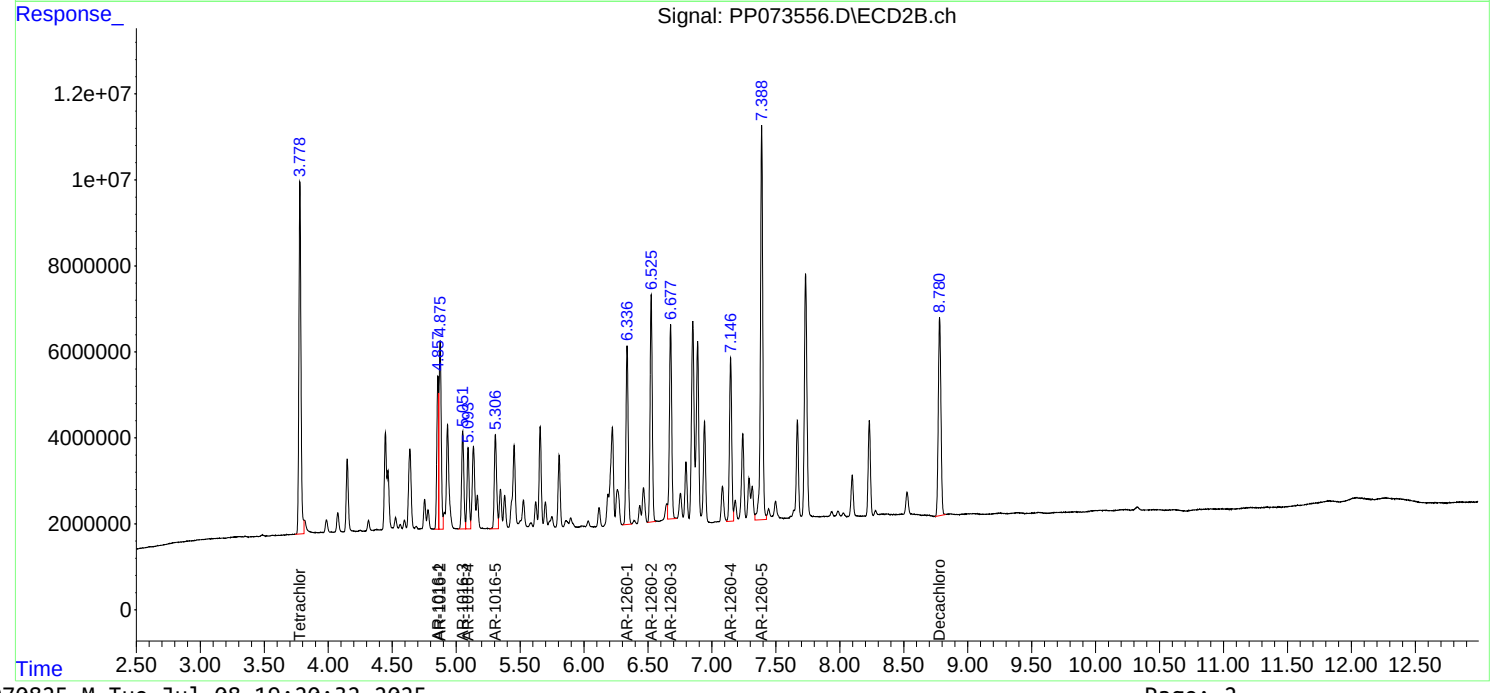
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:35
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

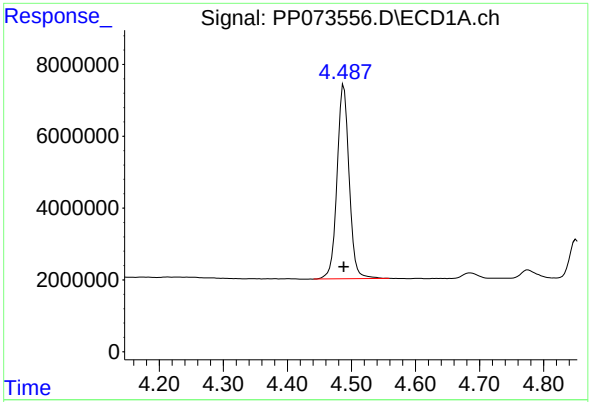
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:40:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



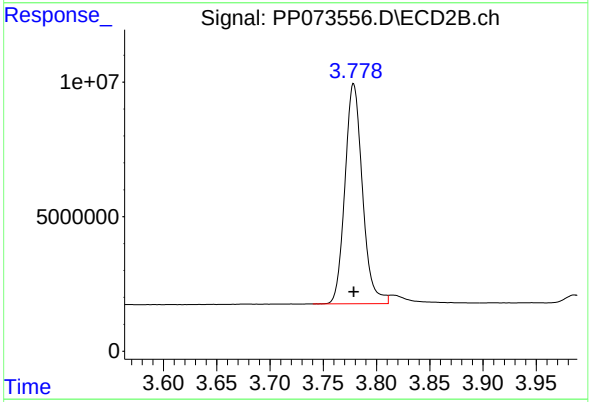




#1 Tetrachloro-m-xylene

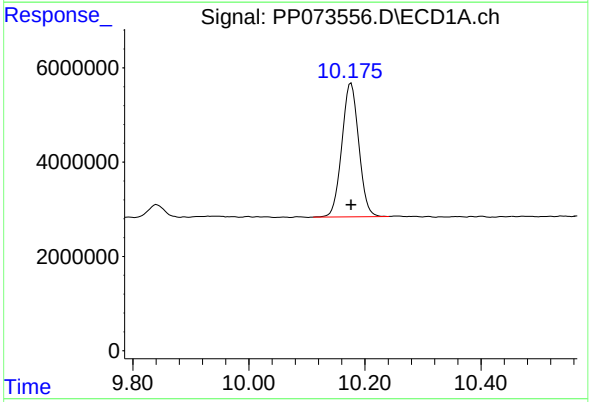
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 70659473
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



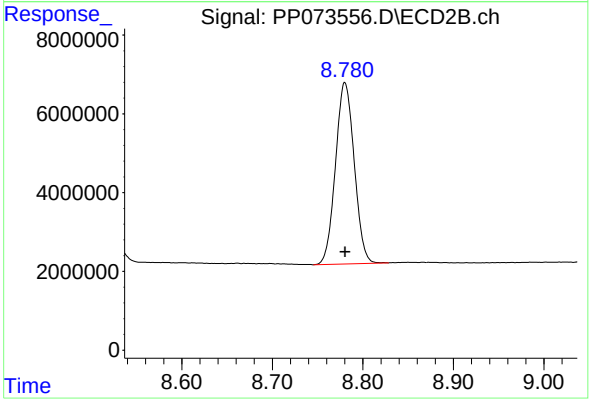
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 93670223
Conc: 50.00 ng/ml



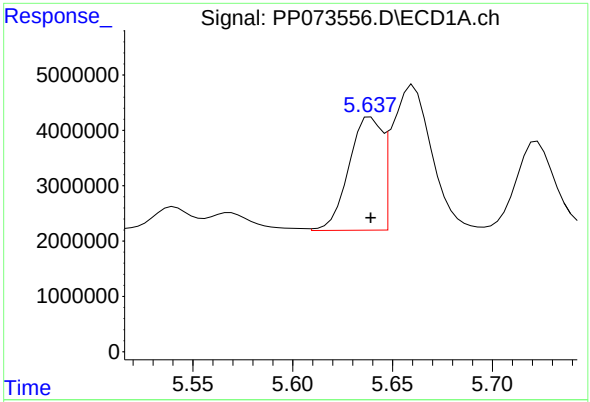
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 57305531
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

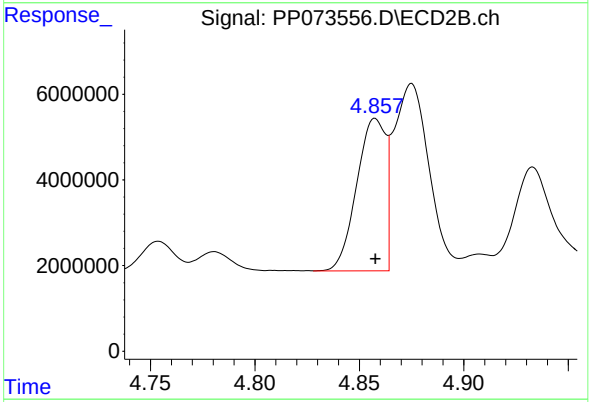
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 66225271
Conc: 50.00 ng/ml



#3 AR-1016-1

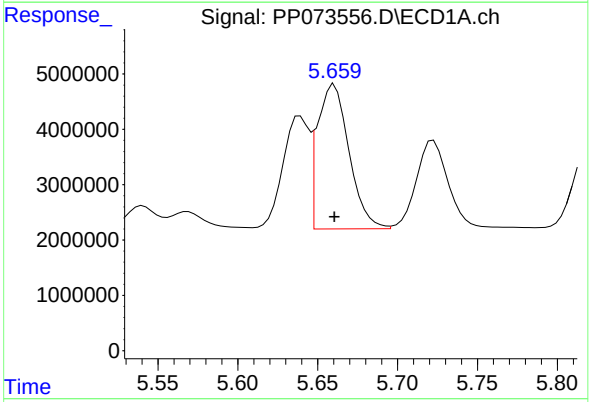
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 23569436
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



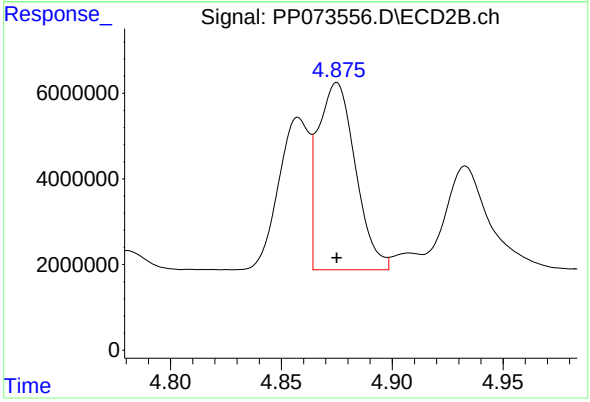
#3 AR-1016-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 34260490
Conc: 500.00 ng/ml



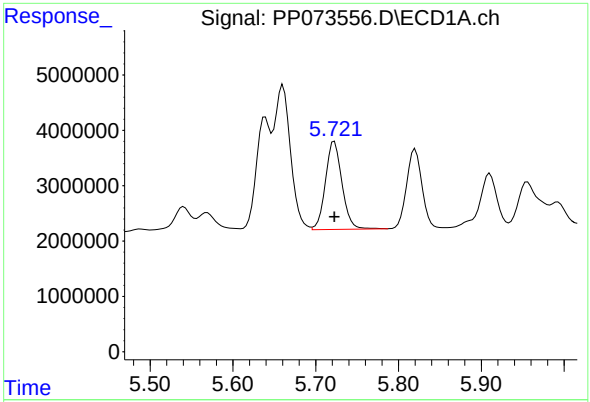
#4 AR-1016-2

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 36024404
Conc: 500.00 ng/ml



#4 AR-1016-2

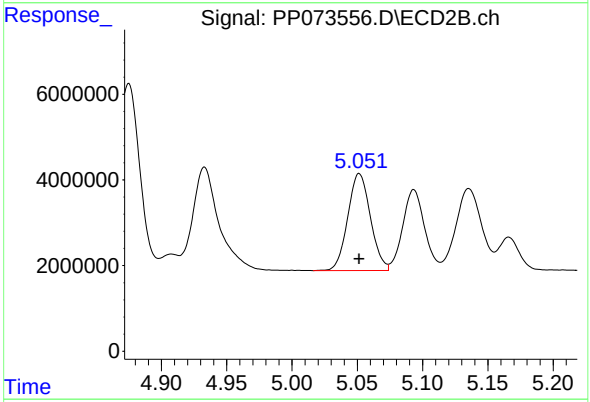
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 51294648
Conc: 500.00 ng/ml



#5 AR-1016-3

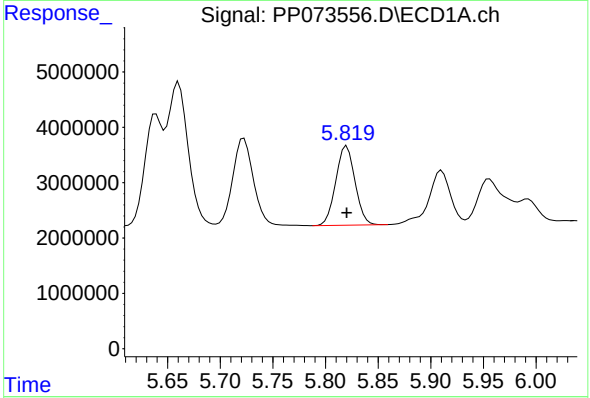
R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 22081319
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



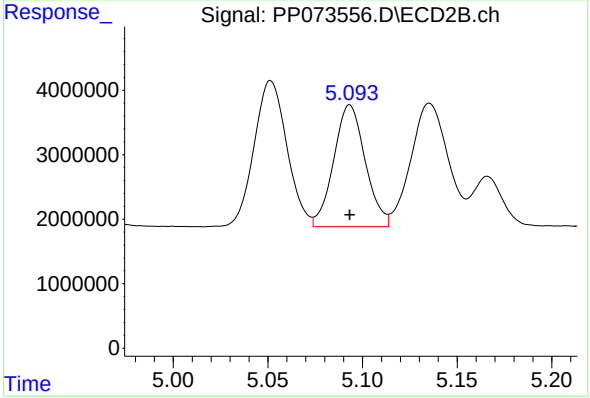
#5 AR-1016-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 27424517
Conc: 500.00 ng/ml



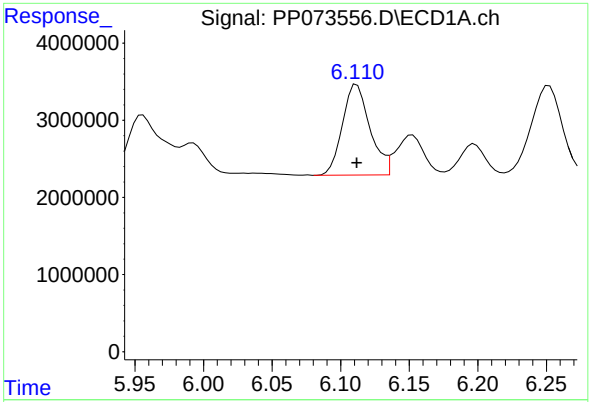
#6 AR-1016-4

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 18296028
Conc: 500.00 ng/ml



#6 AR-1016-4

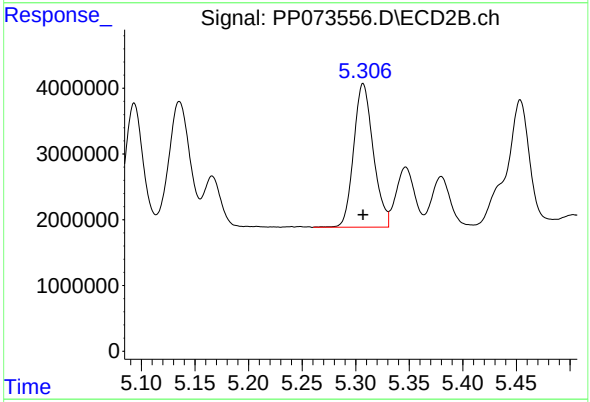
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 21948478
Conc: 500.00 ng/ml



#7 AR-1016-5

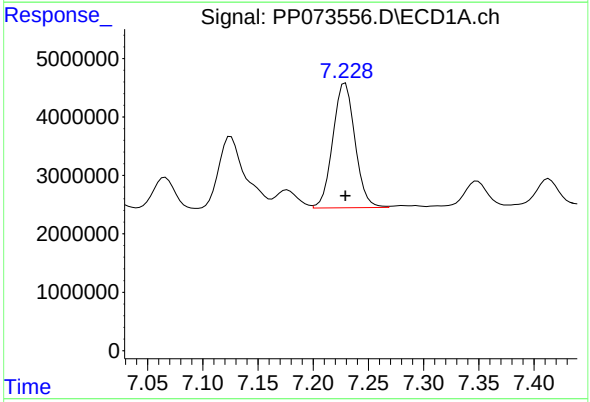
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 16393178
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



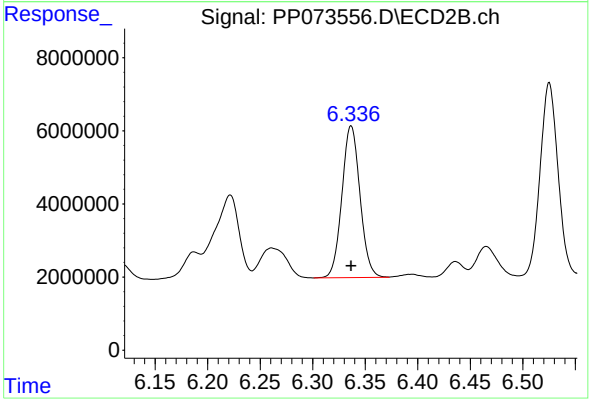
#7 AR-1016-5

R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 27830144
Conc: 500.00 ng/ml



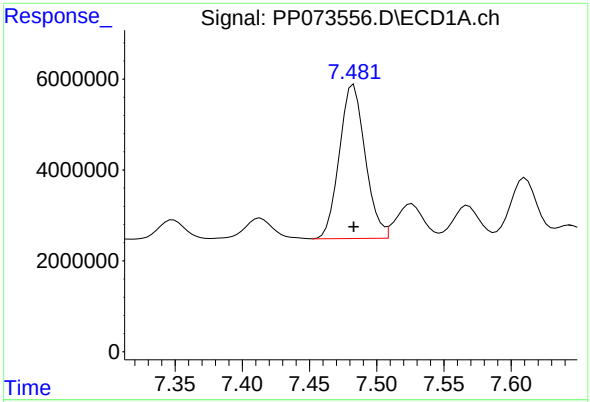
#31 AR-1260-1

R.T.: 7.229 min
Delta R.T.: 0.000 min
Response: 29831866
Conc: 500.00 ng/ml



#31 AR-1260-1

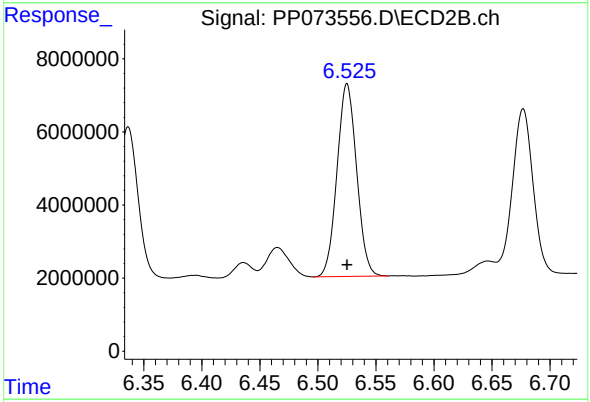
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 49735666
Conc: 500.00 ng/ml



#32 AR-1260-2

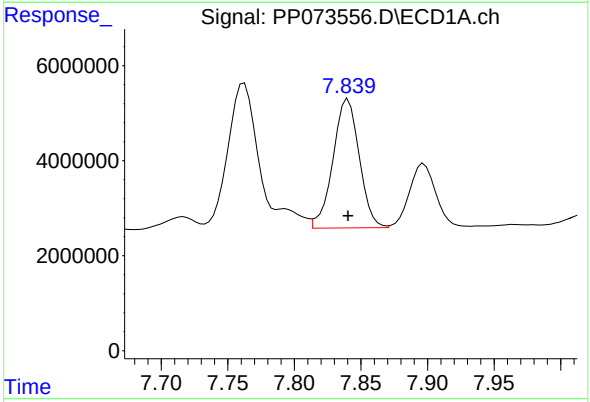
R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 45196946
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



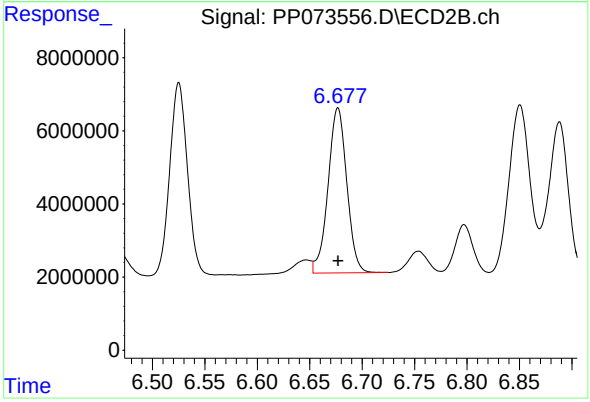
#32 AR-1260-2

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 62001775
Conc: 500.00 ng/ml



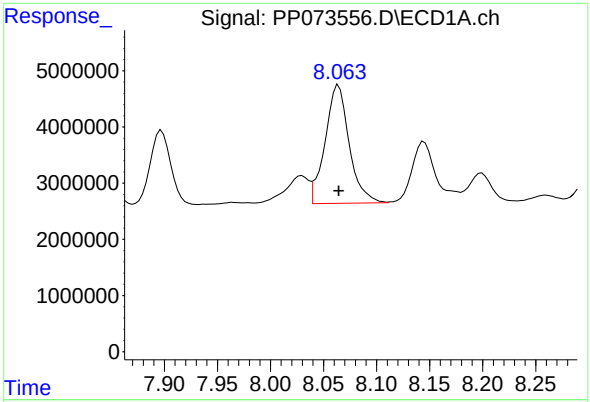
#33 AR-1260-3

R.T.: 7.840 min
Delta R.T.: 0.000 min
Response: 37345649
Conc: 500.00 ng/ml



#33 AR-1260-3

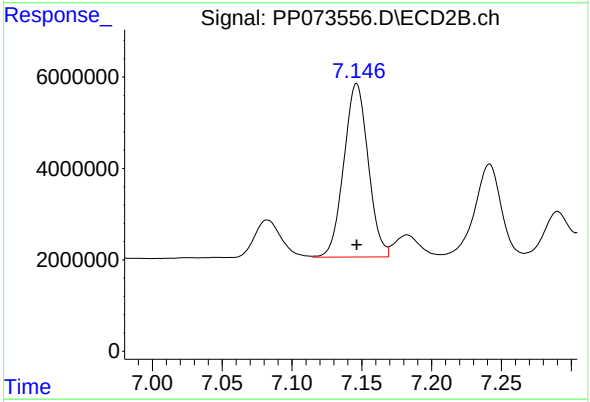
R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 56146648
Conc: 500.00 ng/ml



#34 AR-1260-4

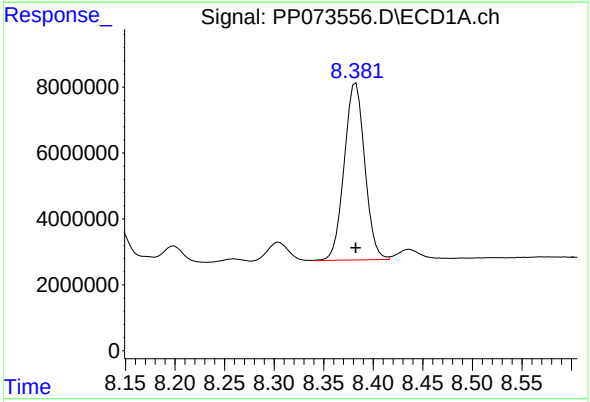
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 33365205
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



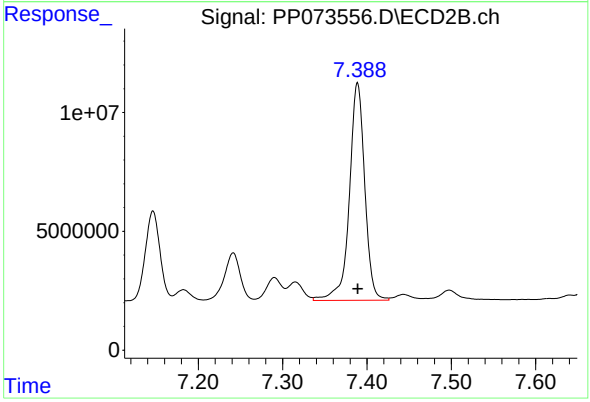
#34 AR-1260-4

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 46174637
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.383 min
Delta R.T.: 0.000 min
Response: 77448161
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.389 min
Delta R.T.: 0.000 min
Response: 116112562
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:52
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:40:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.780	36726195	48601054	25.988	25.943
2)	SA Decachlor...	10.180	8.781	29096309	36663112	25.387	27.681
	Target Compounds						
3)	L1 AR-1016-1	5.640	4.858	12627919	18293907	267.888	266.983
4)	L1 AR-1016-2	5.662	4.876	19179159	27468197	266.197	267.749
5)	L1 AR-1016-3	5.723	5.053	11597460	14482667	262.608	264.046
6)	L1 AR-1016-4	5.821	5.095	9615182	11760046	262.767	267.901
7)	L1 AR-1016-5	6.113	5.308	8568508	14818058	261.344	266.223
31)	L7 AR-1260-1	7.231	6.339	15831007	26051826	265.337	261.903
32)	L7 AR-1260-2	7.484	6.527	24493361	32462748	270.963	261.789
33)	L7 AR-1260-3	7.843	6.679	19201014	29417085	257.072	261.967
34)	L7 AR-1260-4	8.066	7.147	17258868	24081302	258.636	260.763m
35)	L7 AR-1260-5	8.385	7.391	40210084	58426954	259.594	251.596m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:52
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

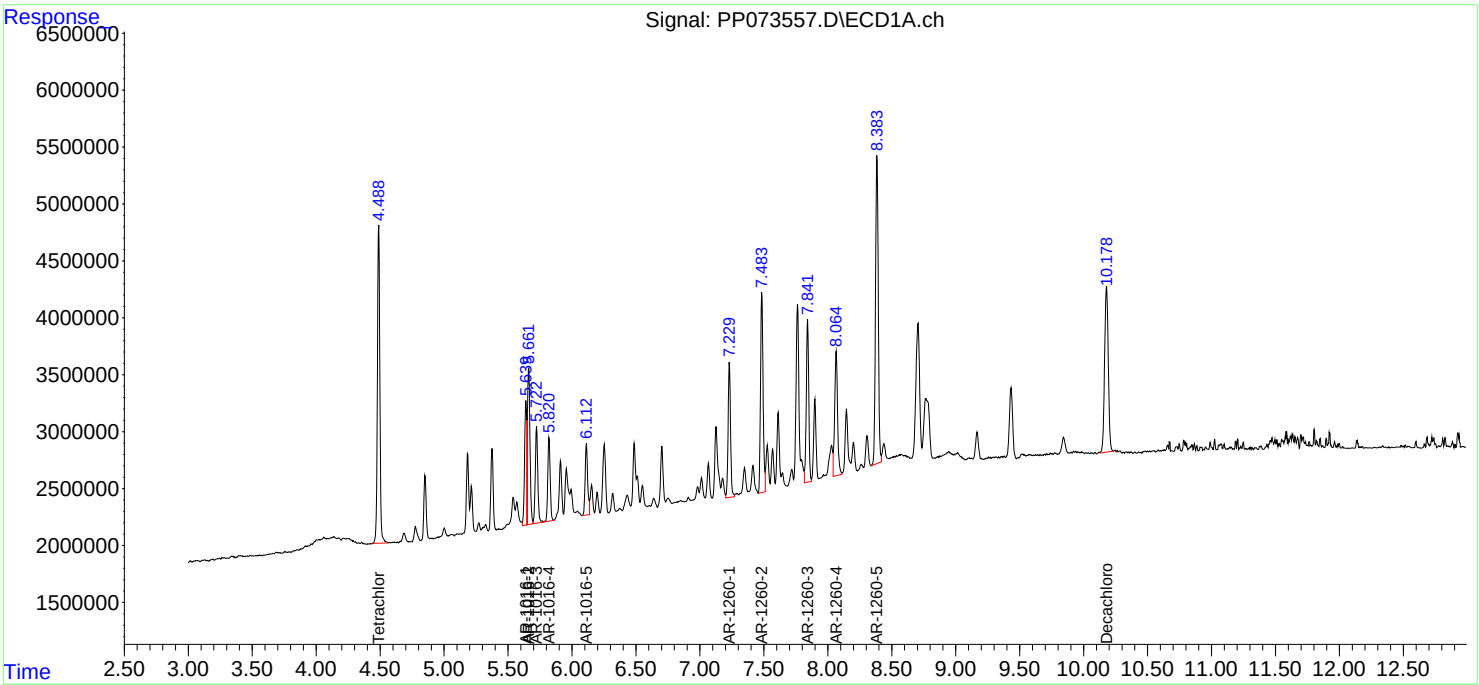
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

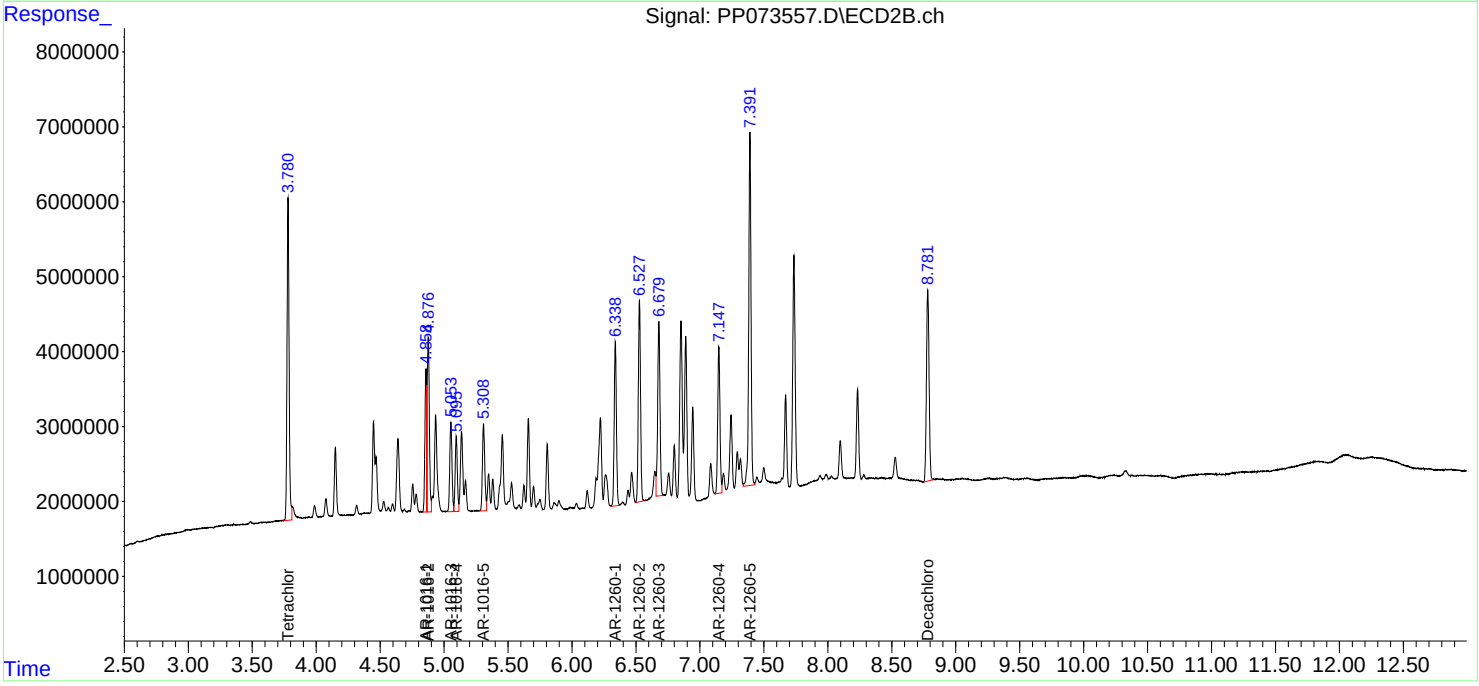
Manual Integrations APPROVED

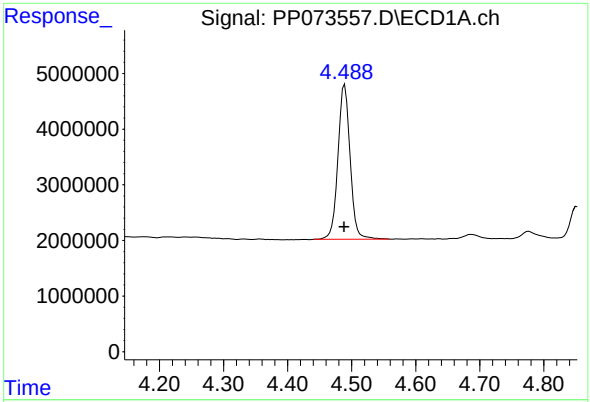
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:40:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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







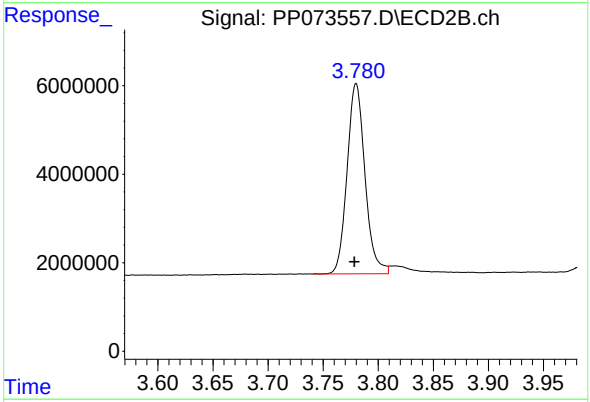
#1 Tetrachloro-m-xylene

R.T.: 4.489 min
Delta R.T.: 0.001 min
Response: 36726195
Conc: 25.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

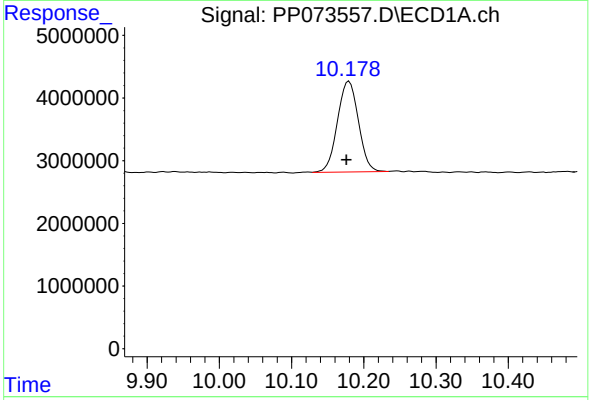
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



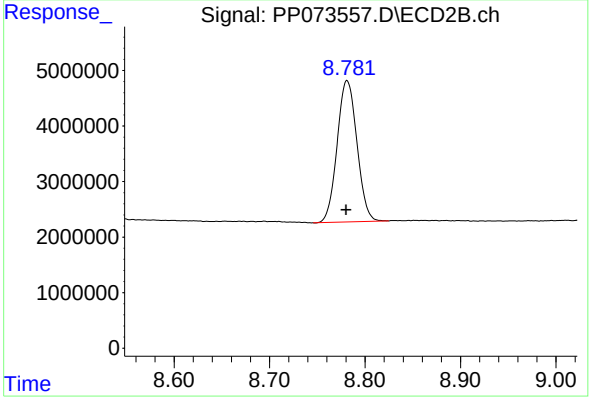
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.002 min
Response: 48601054
Conc: 25.94 ng/ml



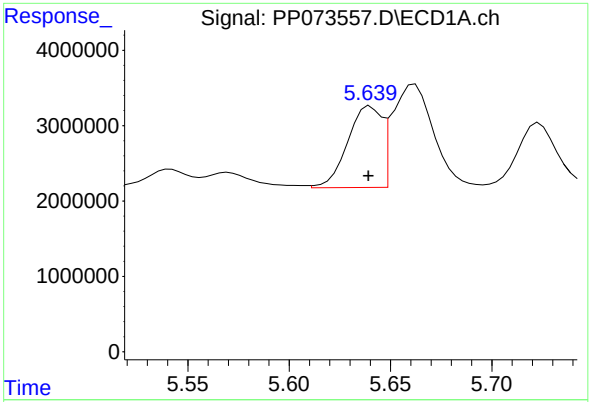
#2 Decachlorobiphenyl

R.T.: 10.180 min
Delta R.T.: 0.003 min
Response: 29096309
Conc: 25.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.781 min
Delta R.T.: 0.001 min
Response: 36663112
Conc: 27.68 ng/ml



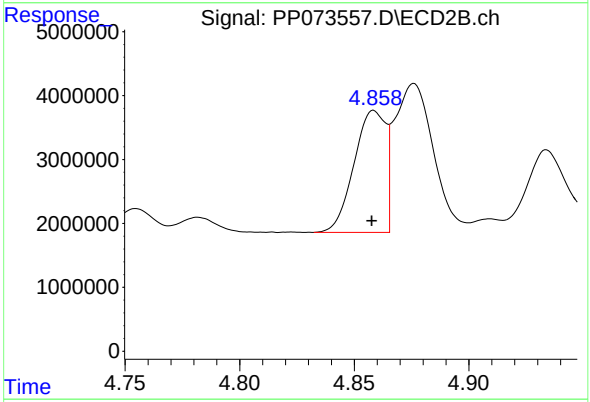
#3 AR-1016-1

R.T.: 5.640 min
Delta R.T.: 0.001 min
Response: 12627919
Conc: 267.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

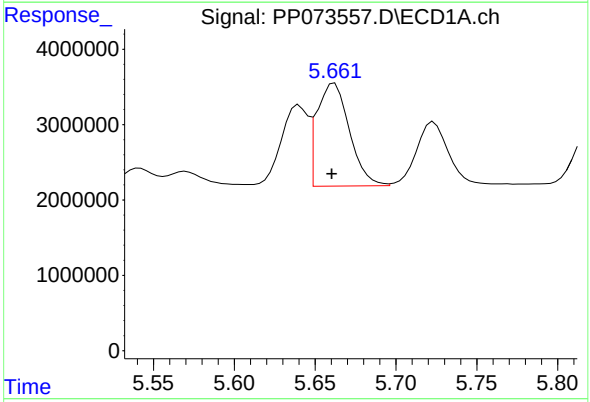
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



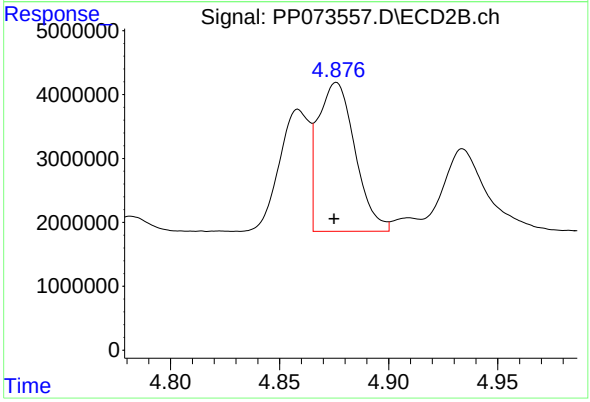
#3 AR-1016-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 18293907
Conc: 266.98 ng/ml



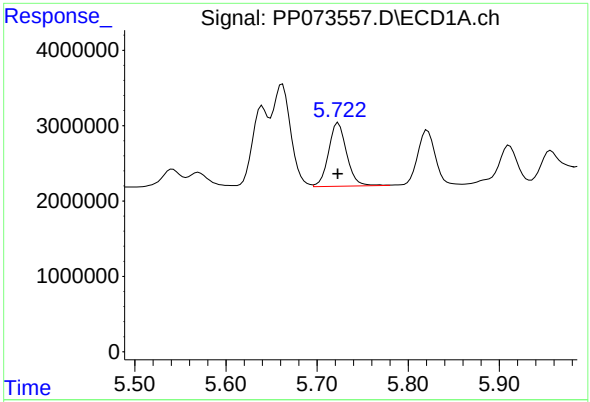
#4 AR-1016-2

R.T.: 5.662 min
Delta R.T.: 0.002 min
Response: 19179159
Conc: 266.20 ng/ml



#4 AR-1016-2

R.T.: 4.876 min
Delta R.T.: 0.001 min
Response: 27468197
Conc: 267.75 ng/ml



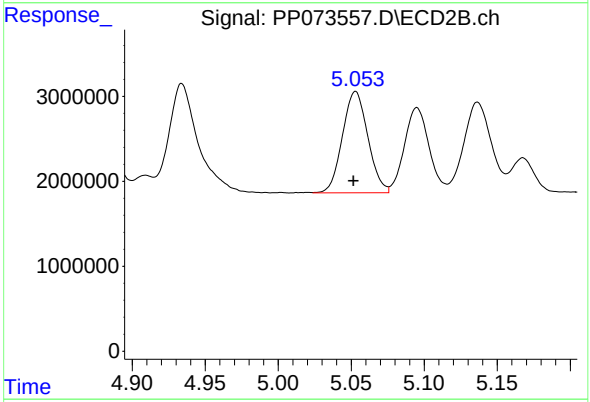
#5 AR-1016-3

R.T.: 5.723 min
Delta R.T.: 0.000 min
Response: 11597460
Conc: 262.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

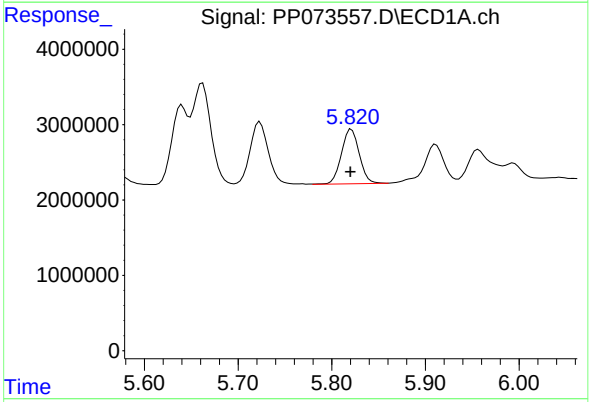
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



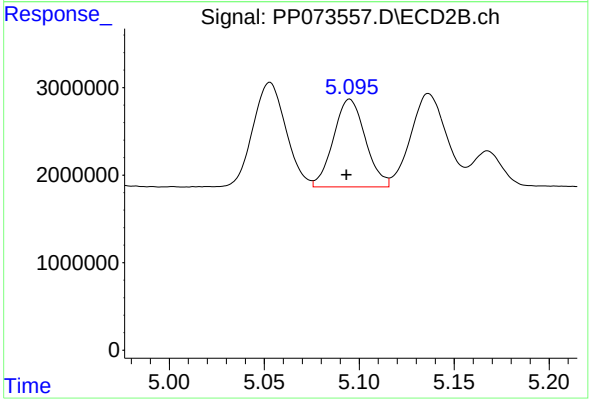
#5 AR-1016-3

R.T.: 5.053 min
Delta R.T.: 0.002 min
Response: 14482667
Conc: 264.05 ng/ml



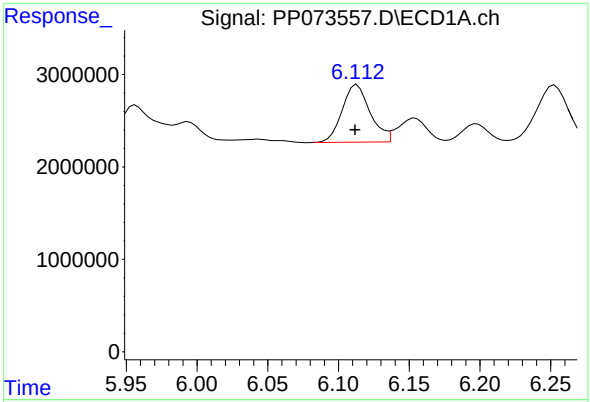
#6 AR-1016-4

R.T.: 5.821 min
Delta R.T.: 0.000 min
Response: 9615182
Conc: 262.77 ng/ml



#6 AR-1016-4

R.T.: 5.095 min
Delta R.T.: 0.002 min
Response: 11760046
Conc: 267.90 ng/ml



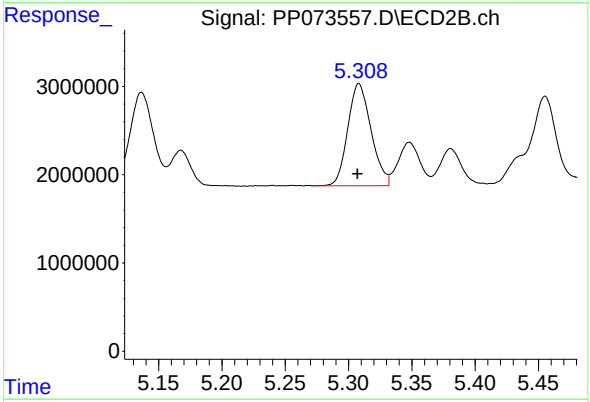
#7 AR-1016-5

R.T.: 6.113 min
Delta R.T.: 0.001 min
Response: 8568508
Conc: 261.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

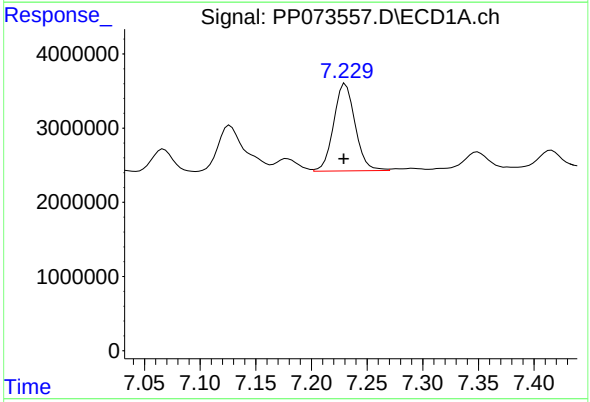
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



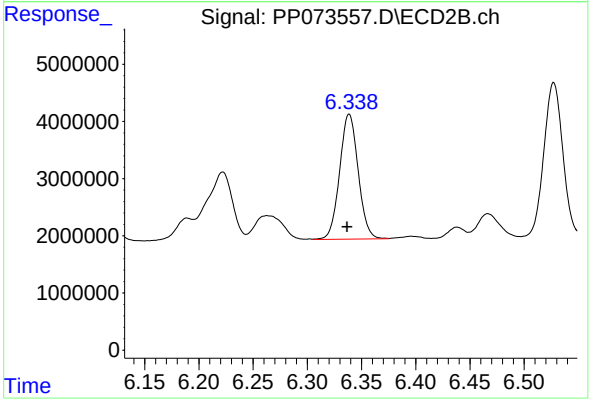
#7 AR-1016-5

R.T.: 5.308 min
Delta R.T.: 0.001 min
Response: 14818058
Conc: 266.22 ng/ml



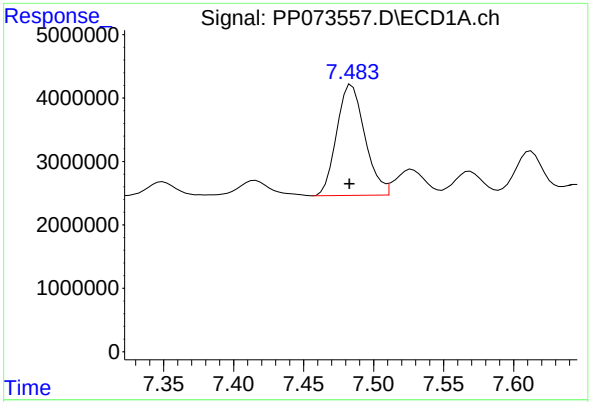
#31 AR-1260-1

R.T.: 7.231 min
Delta R.T.: 0.002 min
Response: 15831007
Conc: 265.34 ng/ml



#31 AR-1260-1

R.T.: 6.339 min
Delta R.T.: 0.002 min
Response: 26051826
Conc: 261.90 ng/ml



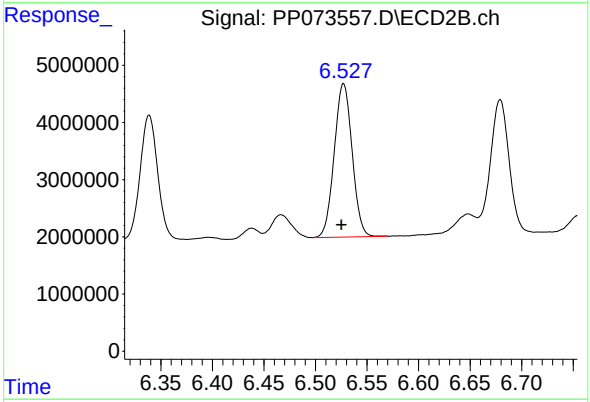
#32 AR-1260-2

R.T.: 7.484 min
Delta R.T.: 0.002 min
Response: 24493361
Conc: 270.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

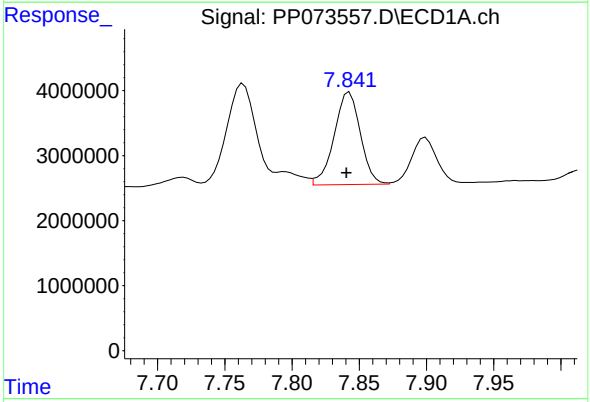
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



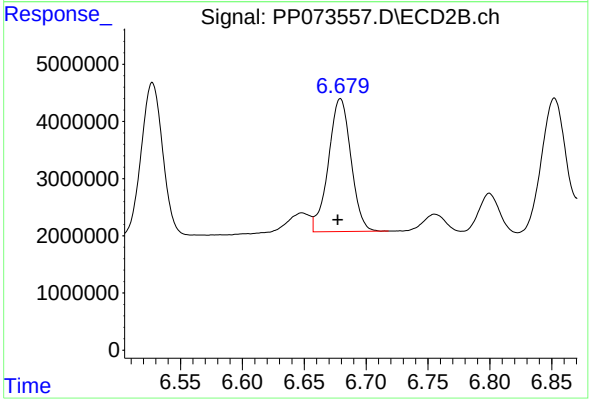
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.002 min
Response: 32462748
Conc: 261.79 ng/ml



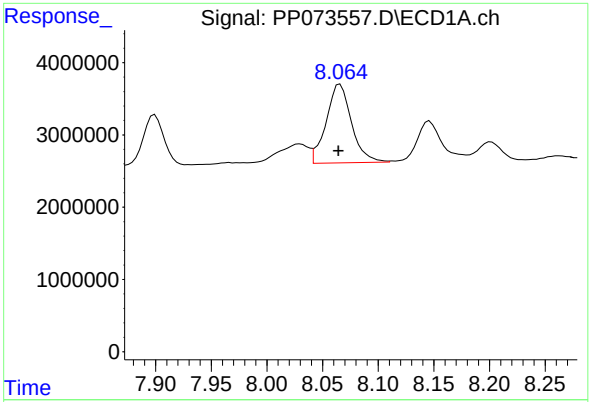
#33 AR-1260-3

R.T.: 7.843 min
Delta R.T.: 0.002 min
Response: 19201014
Conc: 257.07 ng/ml



#33 AR-1260-3

R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 29417085
Conc: 261.97 ng/ml



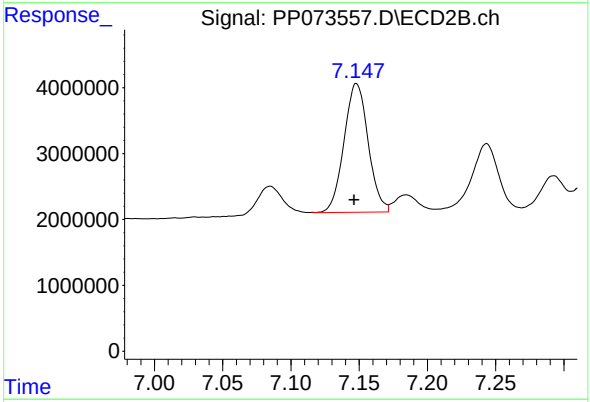
#34 AR-1260-4

R.T.: 8.066 min
Delta R.T.: 0.001 min
Response: 17258868
Conc: 258.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

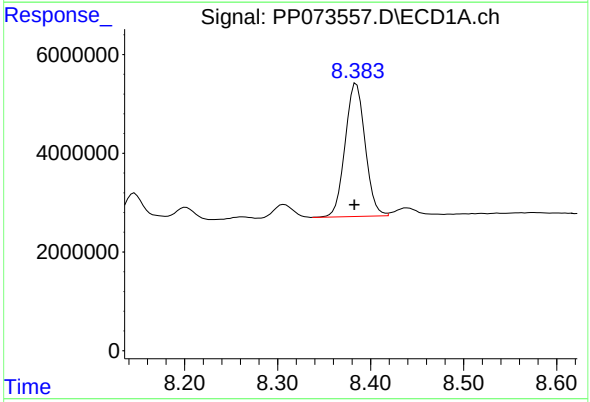
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



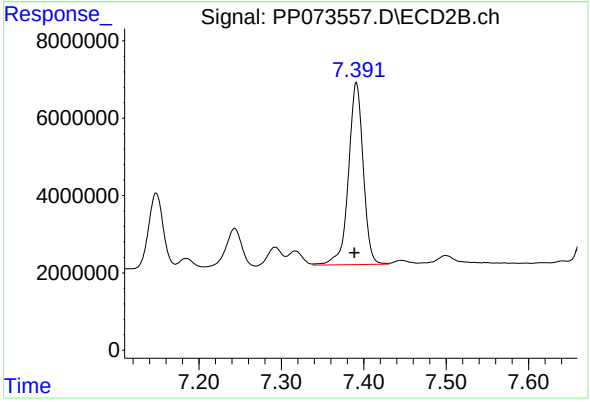
#34 AR-1260-4

R.T.: 7.147 min
Delta R.T.: 0.001 min
Response: 24081302
Conc: 260.76 ng/ml m



#35 AR-1260-5

R.T.: 8.385 min
Delta R.T.: 0.002 min
Response: 40210084
Conc: 259.59 ng/ml



#35 AR-1260-5

R.T.: 7.391 min
Delta R.T.: 0.002 min
Response: 58426954
Conc: 251.60 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:08
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:40:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.779	6400868	8634125	4.529	4.609
2)	SA Decachlor...	10.173	8.780	4780120	5986472	4.171	4.520
	Target Compounds						
3)	L1 AR-1016-1	5.635	4.857	2592361	3433572	54.994m	50.110
4)	L1 AR-1016-2	5.658	4.875	3532445	5058097	49.029	49.304
5)	L1 AR-1016-3	5.719	5.052	2287754	2711653	51.803	49.438
6)	L1 AR-1016-4	5.817	5.094	1779663	2333668	48.635	53.162
7)	L1 AR-1016-5	6.109	5.307	1335478	2709671	40.733	48.682
31)	L7 AR-1260-1	7.226	6.336	2914675	5013856	48.852	50.405m
32)	L7 AR-1260-2	7.482	6.525	6085083	6438631	67.317	51.923
33)	L7 AR-1260-3	7.838	6.677	3450365	5301254	46.195	47.209
34)	L7 AR-1260-4	8.061	7.146	3038521	4249208	45.534	46.012m
35)	L7 AR-1260-5	8.379	7.388	6955237	10235896	44.903	44.077m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:08
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

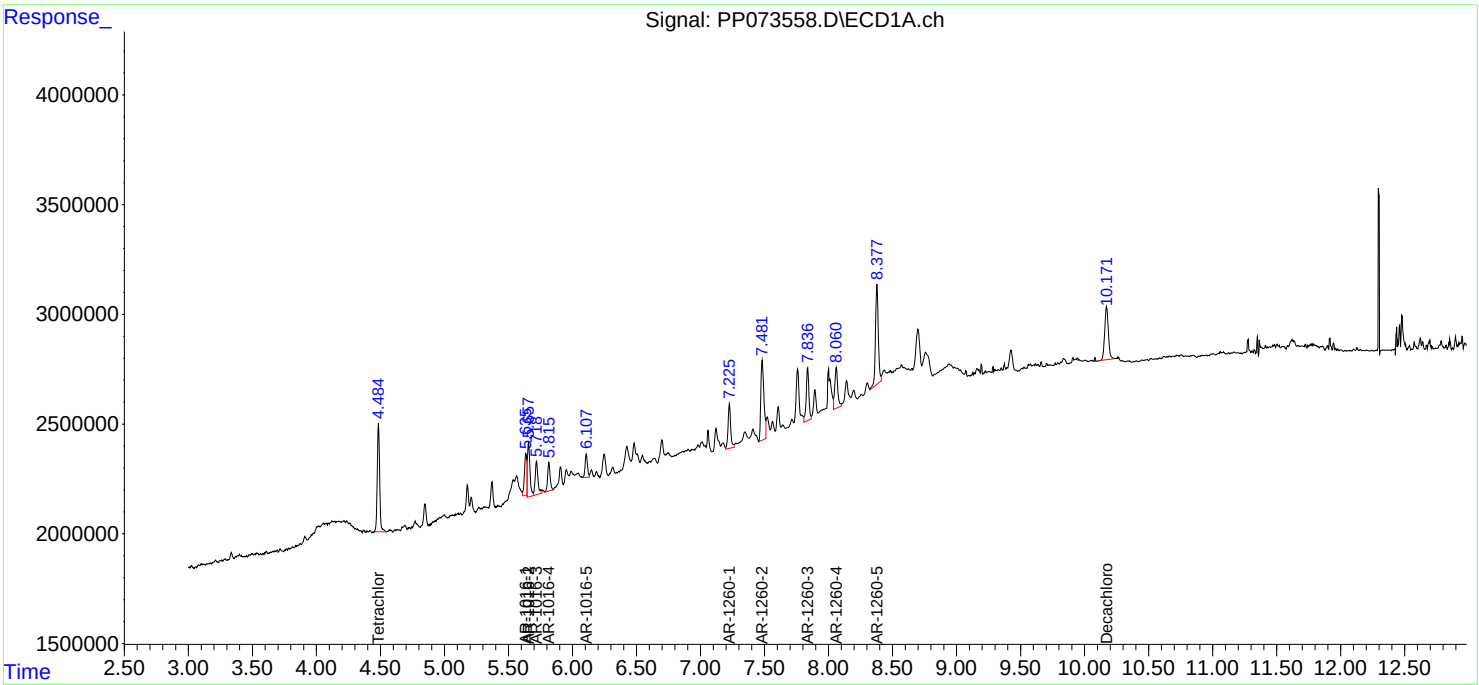
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

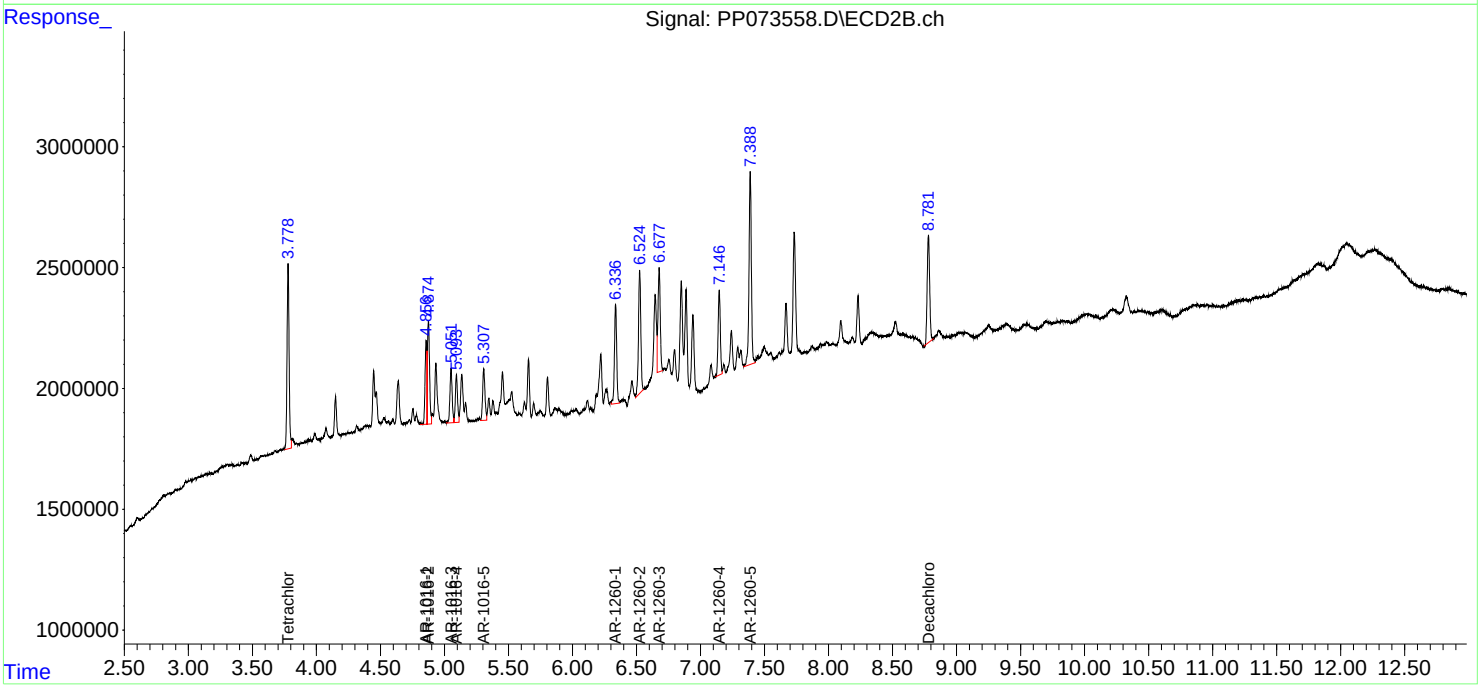
Manual Integrations APPROVED

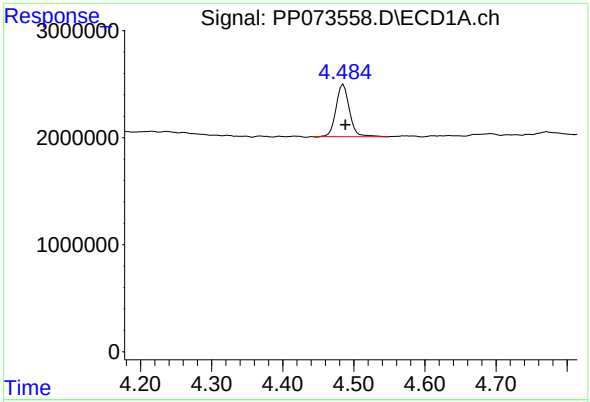
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:40:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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







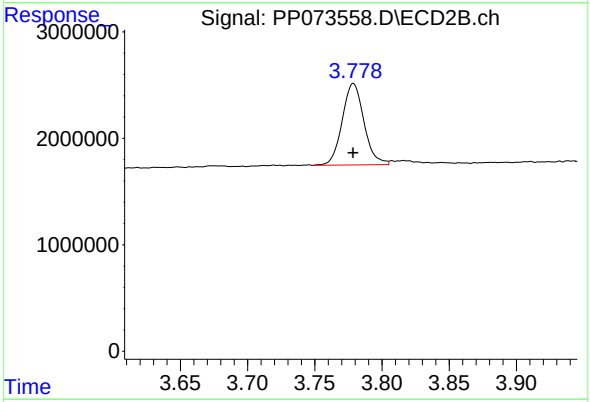
#1 Tetrachloro-m-xylene

R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 6400868
Conc: 4.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

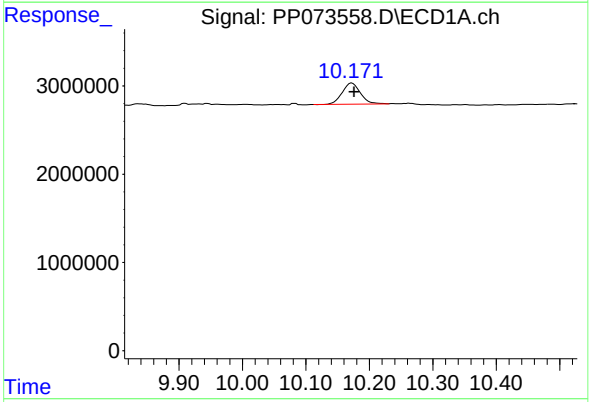
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



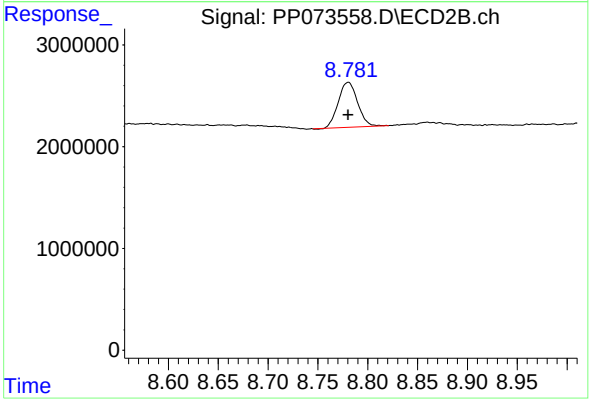
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 8634125
Conc: 4.61 ng/ml



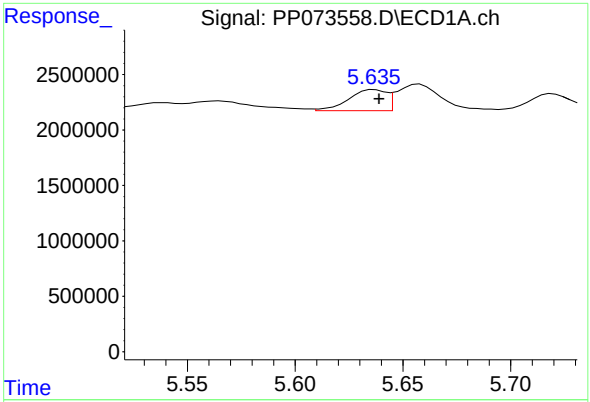
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: -0.004 min
Response: 4780120
Conc: 4.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 5986472
Conc: 4.52 ng/ml



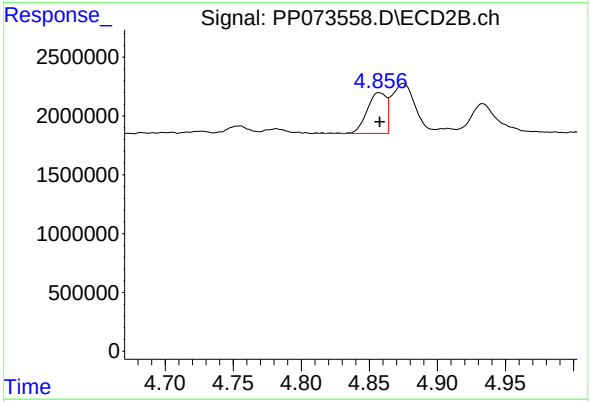
#3 AR-1016-1

R.T.: 5.635 min
Delta R.T.: -0.004 min
Response: 2592361
Conc: 54.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

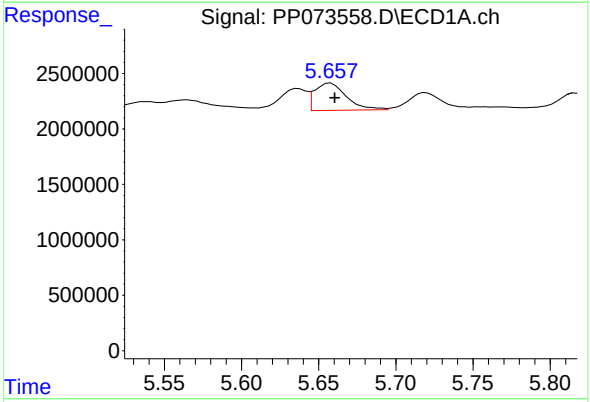
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



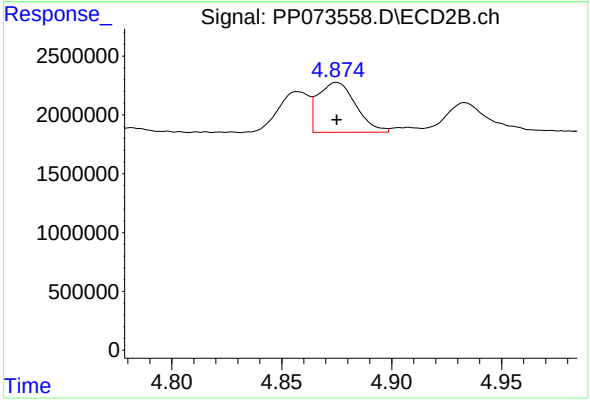
#3 AR-1016-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 3433572
Conc: 50.11 ng/ml



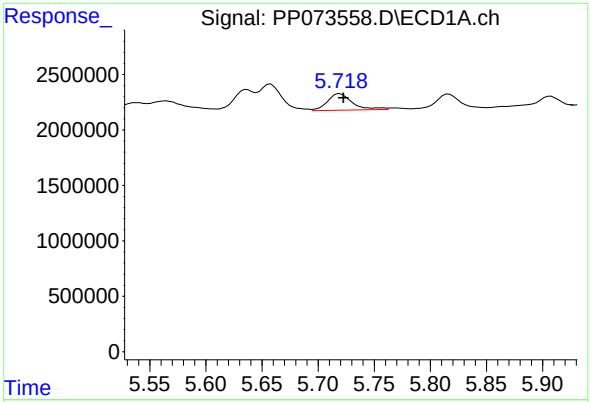
#4 AR-1016-2

R.T.: 5.658 min
Delta R.T.: -0.003 min
Response: 3532445
Conc: 49.03 ng/ml



#4 AR-1016-2

R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 5058097
Conc: 49.30 ng/ml



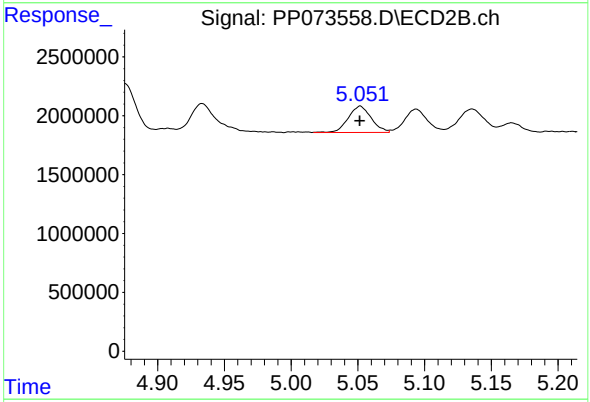
#5 AR-1016-3

R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 2287754
Conc: 51.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

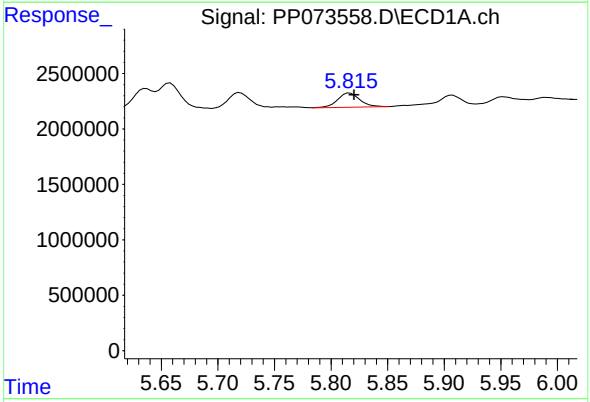
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



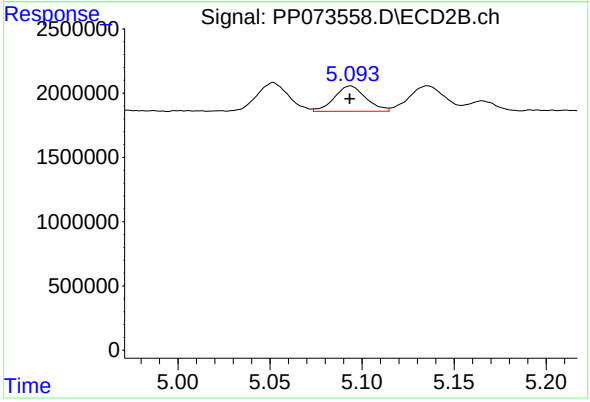
#5 AR-1016-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 2711653
Conc: 49.44 ng/ml



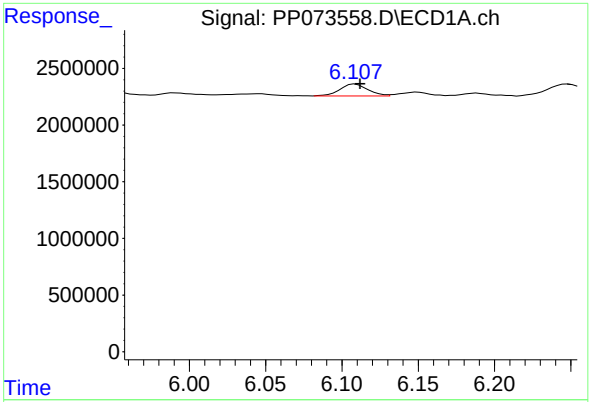
#6 AR-1016-4

R.T.: 5.817 min
Delta R.T.: -0.004 min
Response: 1779663
Conc: 48.64 ng/ml



#6 AR-1016-4

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 2333668
Conc: 53.16 ng/ml



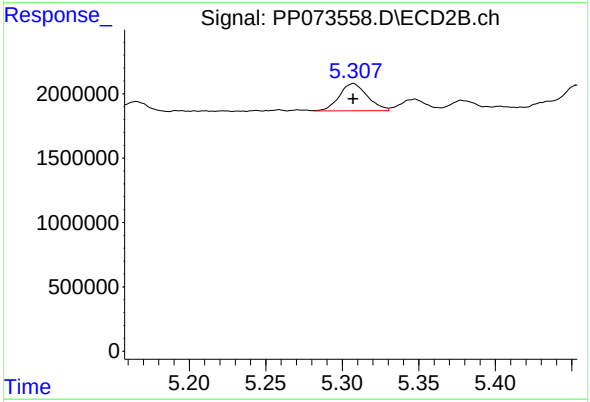
#7 AR-1016-5

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 1335478
Conc: 40.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

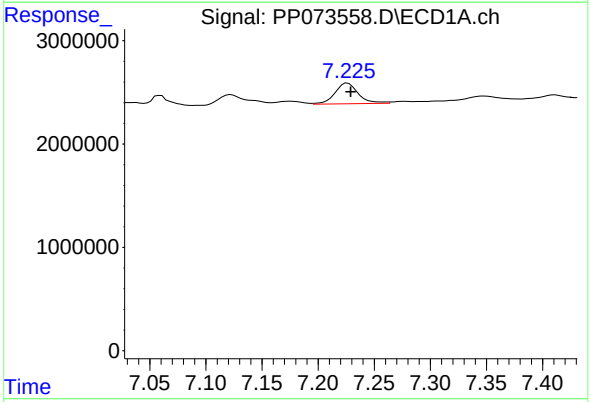
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



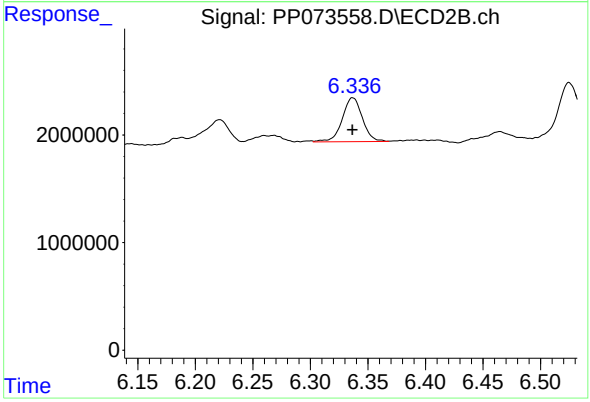
#7 AR-1016-5

R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 2709671
Conc: 48.68 ng/ml



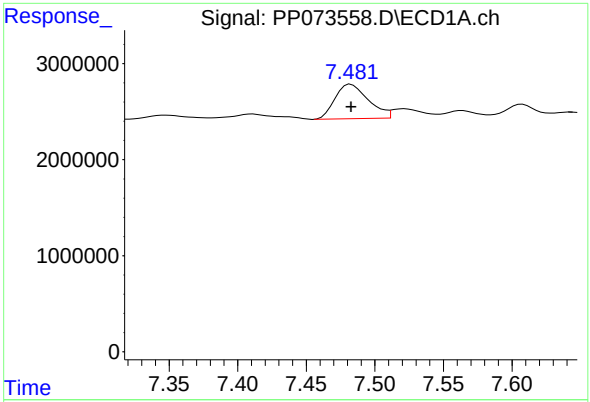
#31 AR-1260-1

R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 2914675
Conc: 48.85 ng/ml



#31 AR-1260-1

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 5013856
Conc: 50.41 ng/ml m



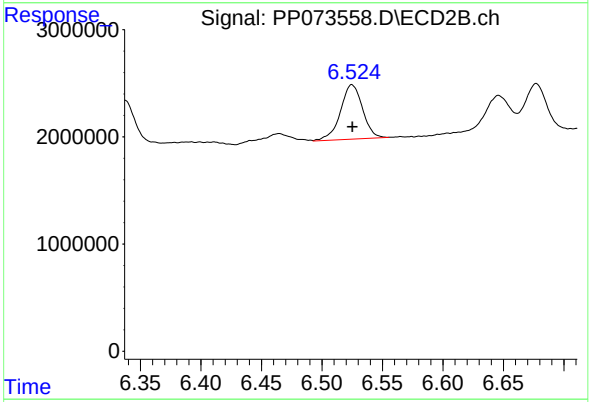
#32 AR-1260-2

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 6085083
Conc: 67.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

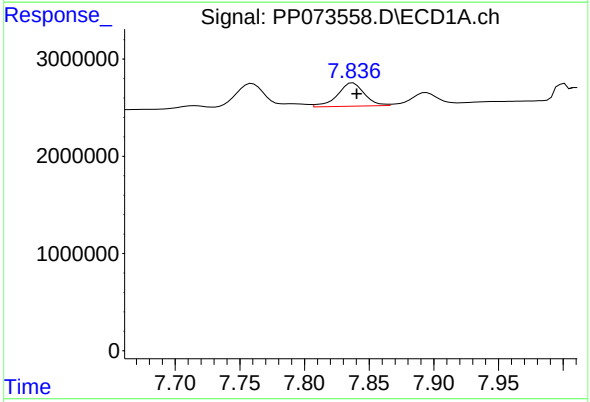
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



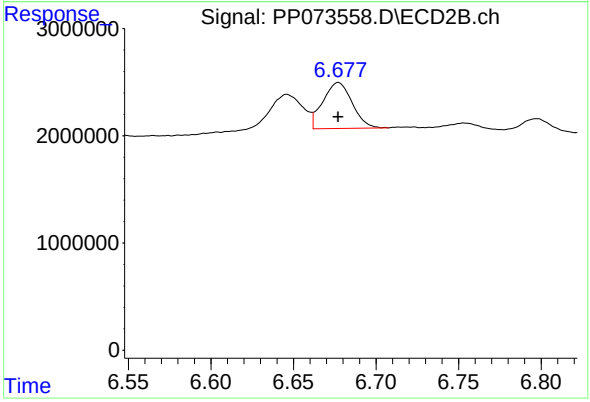
#32 AR-1260-2

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 6438631
Conc: 51.92 ng/ml



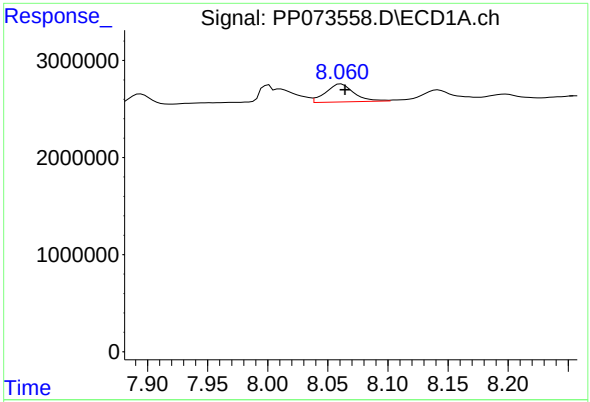
#33 AR-1260-3

R.T.: 7.838 min
Delta R.T.: -0.003 min
Response: 3450365
Conc: 46.20 ng/ml



#33 AR-1260-3

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 5301254
Conc: 47.21 ng/ml



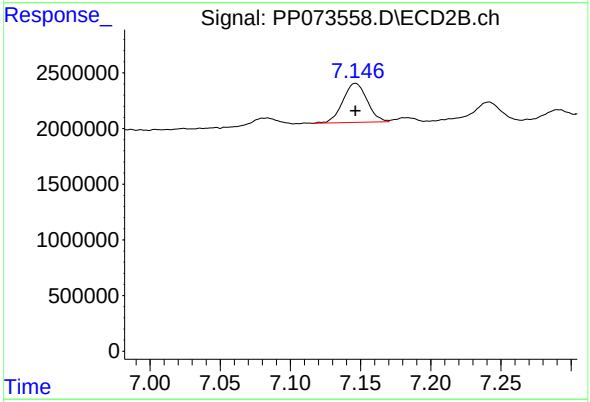
#34 AR-1260-4

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 3038521
Conc: 45.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

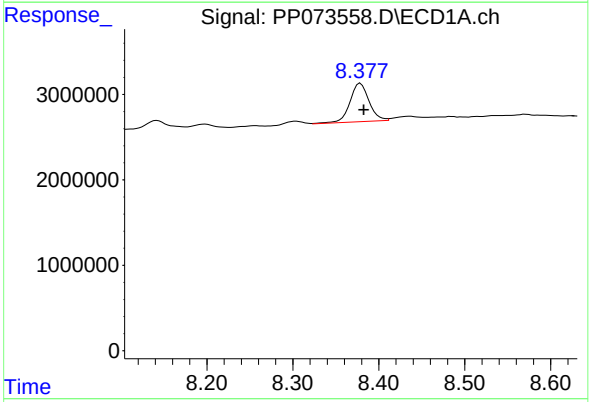
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



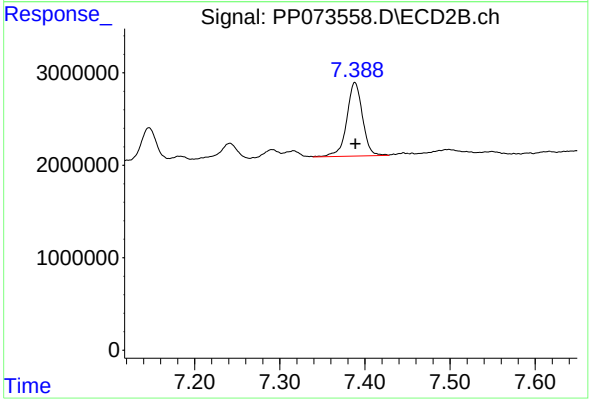
#34 AR-1260-4

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 4249208
Conc: 46.01 ng/ml m



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.004 min
Response: 6955237
Conc: 44.90 ng/ml



#35 AR-1260-5

R.T.: 7.388 min
Delta R.T.: -0.001 min
Response: 10235896
Conc: 44.08 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:24
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: Jul 08 01:53:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:53:24 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...	4.489	3.779	71300233	92532894	50.000	50.000
2)	SA Decachlor...	10.176	8.782	56752030	68180160	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.690	3.988	8933218	13522466	500.000	500.000
9)	L2 AR-1221-2	4.776	4.075	6752235	10180159	500.000	500.000
10)	L2 AR-1221-3	4.851	4.150	20802411	30724321	500.000	500.000

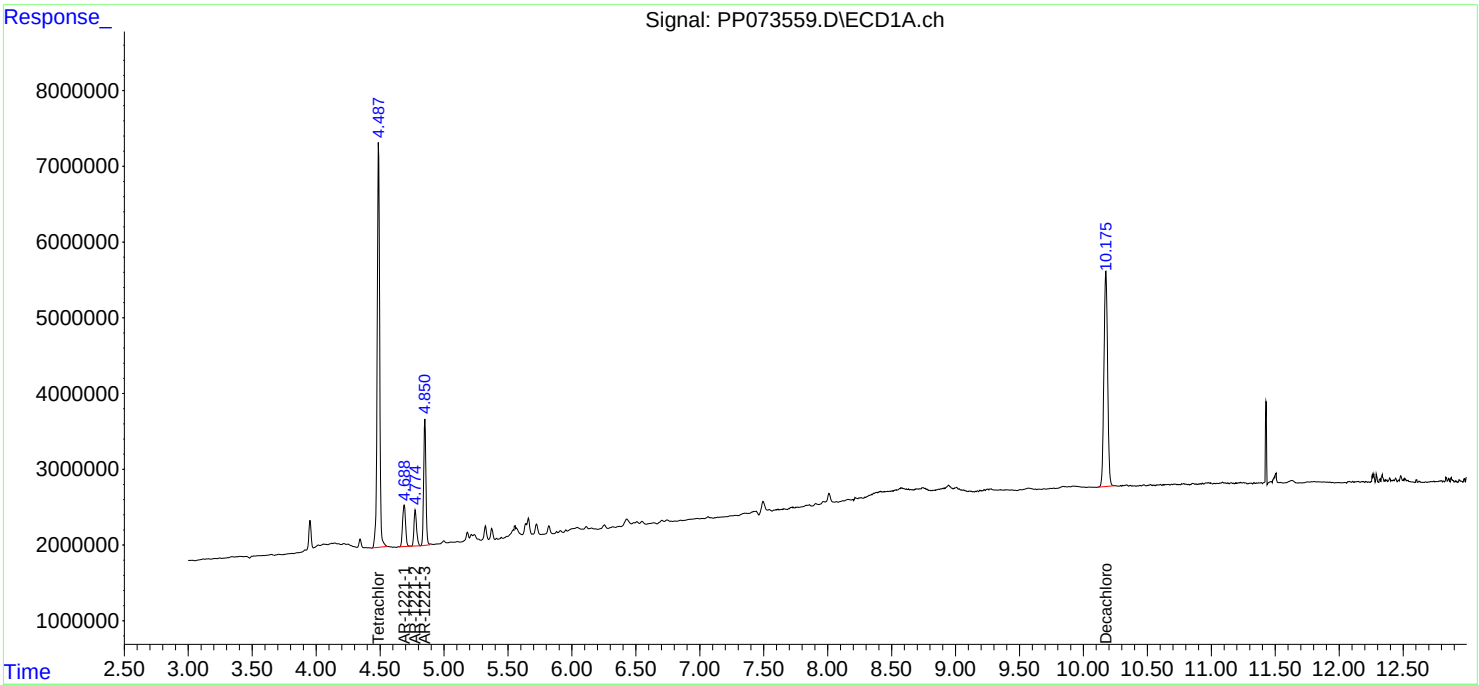
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

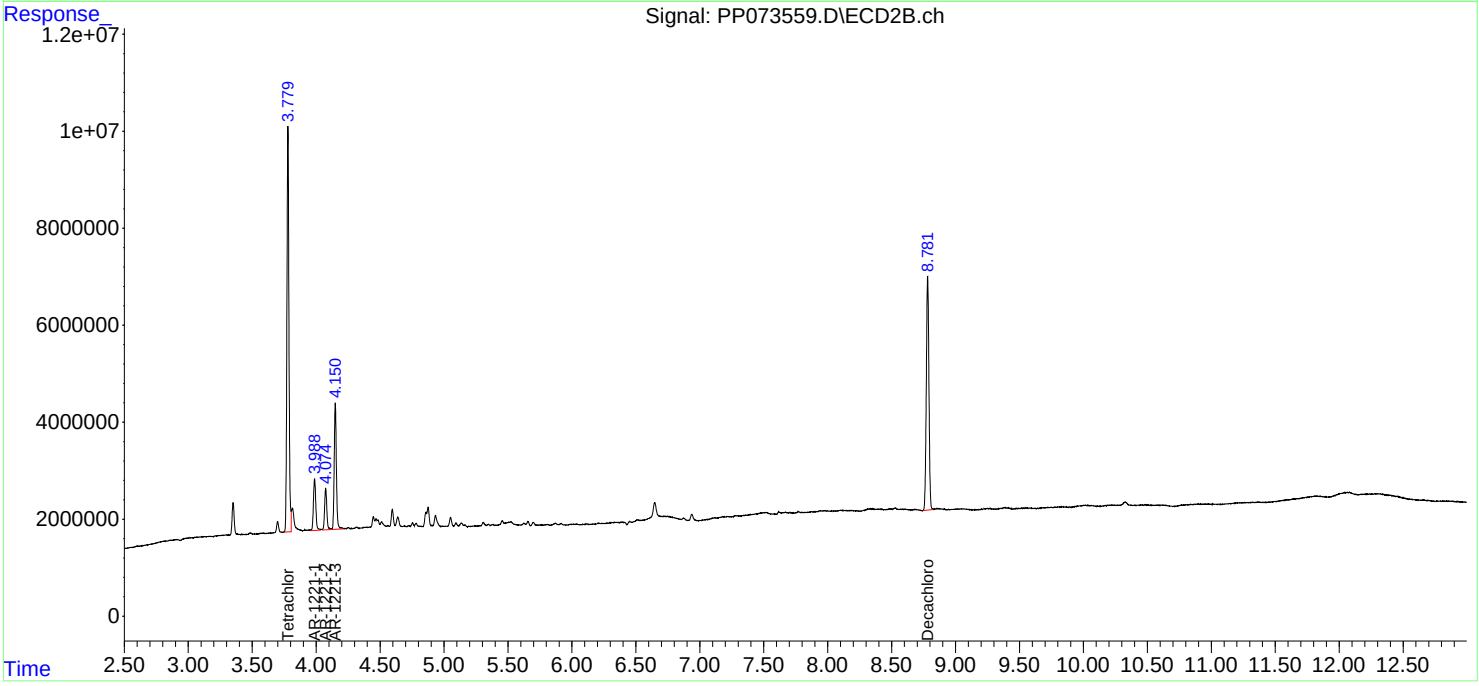
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:24
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

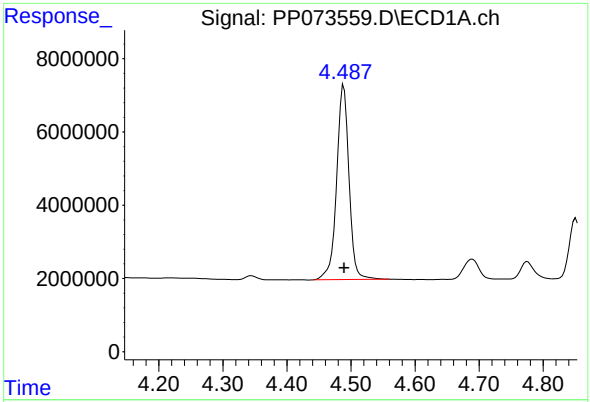
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:53:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:53:24 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



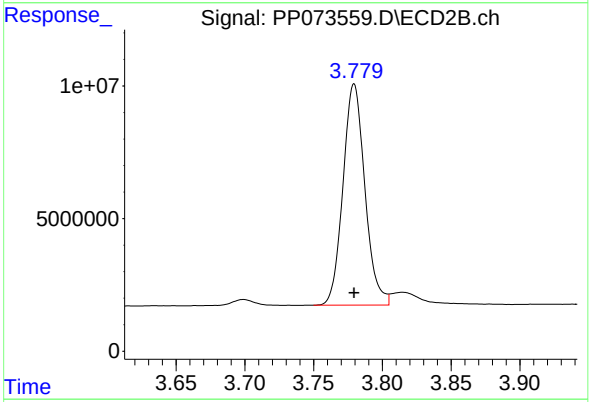




#1 Tetrachloro-m-xylene

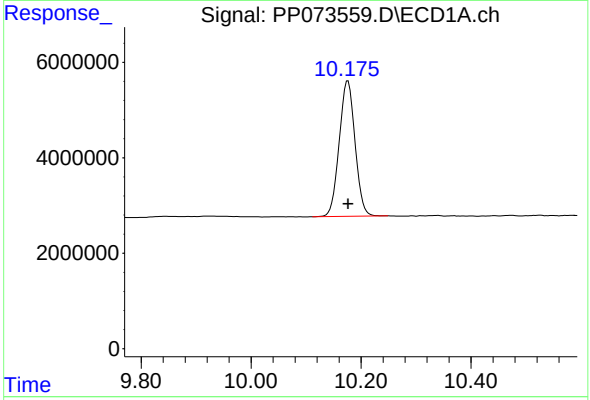
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 71300233
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



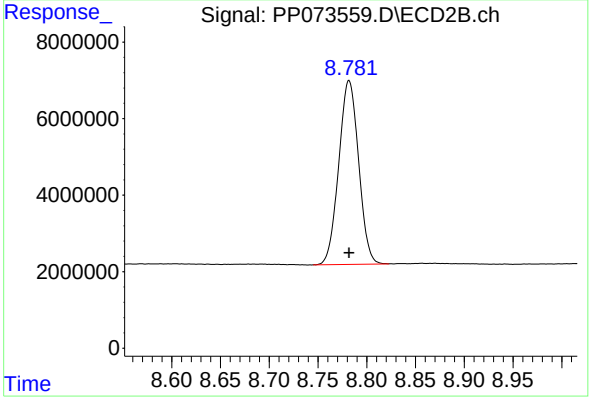
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 92532894
Conc: 50.00 ng/ml



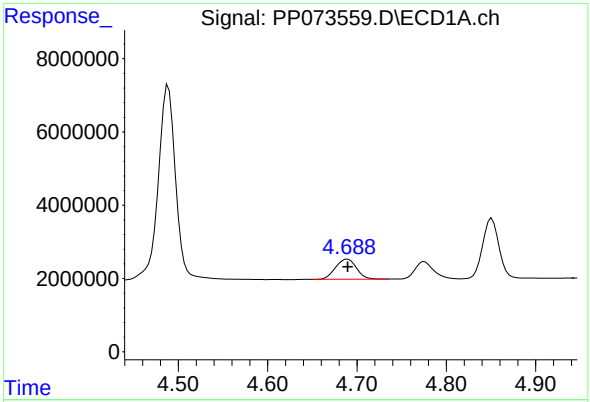
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 56752030
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

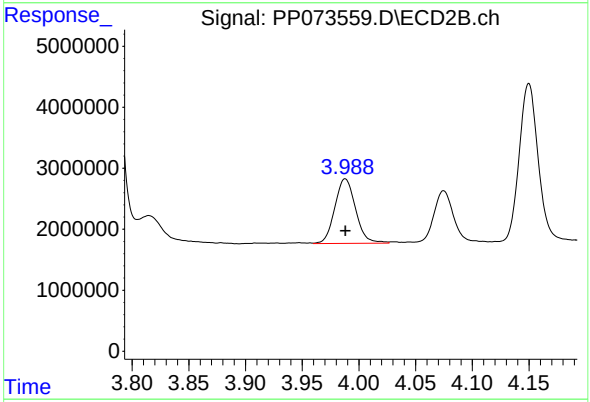
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 68180160
Conc: 50.00 ng/ml



#8 AR-1221-1

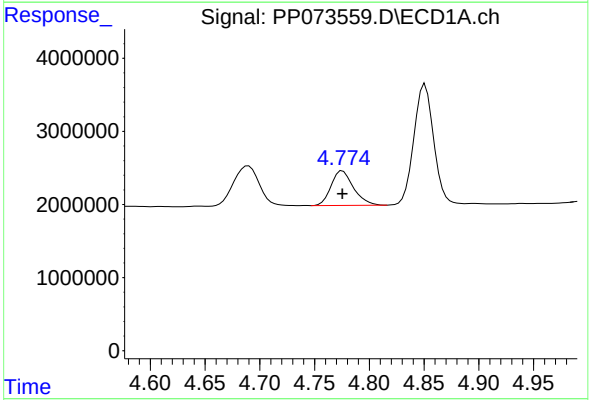
R.T.: 4.690 min
Delta R.T.: 0.000 min
Response: 8933218
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



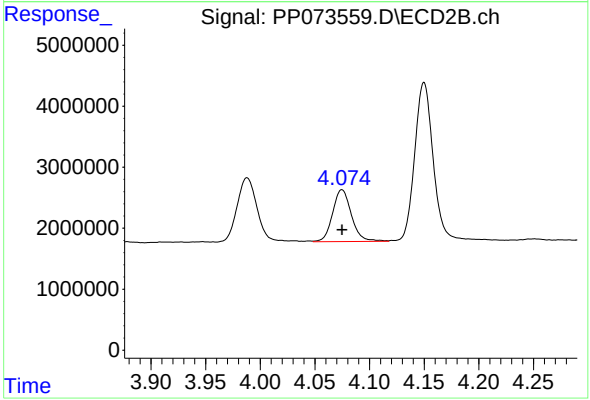
#8 AR-1221-1

R.T.: 3.988 min
Delta R.T.: 0.000 min
Response: 13522466
Conc: 500.00 ng/ml



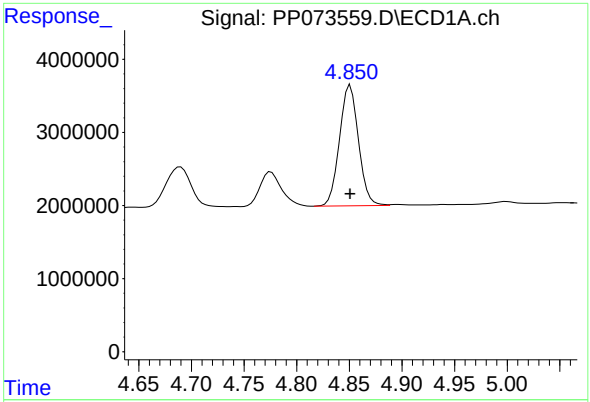
#9 AR-1221-2

R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 6752235
Conc: 500.00 ng/ml



#9 AR-1221-2

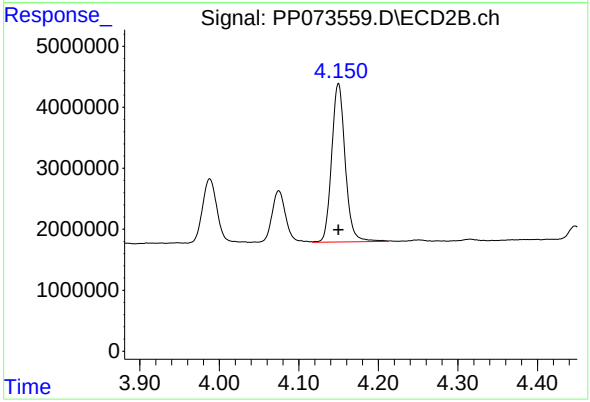
R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 10180159
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 20802411
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.150 min
Delta R.T.: 0.000 min
Response: 30724321
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:41
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:58:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.779	69747801	89329746	50.000	50.000
2)	SA Decachlor...	10.175	8.781	55031795	64481917	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.850	4.149	16325352	23307175	500.000	500.000
12)	L3 AR-1232-2	5.374	4.875	8127340	23829904	500.000	500.000
13)	L3 AR-1232-3	5.660	5.052	16496729	12514513	500.000	500.000
14)	L3 AR-1232-4	5.820	5.137	8222579	10828145	500.000	500.000
15)	L3 AR-1232-5	5.909	5.308	5285179	11281724	500.000	500.000

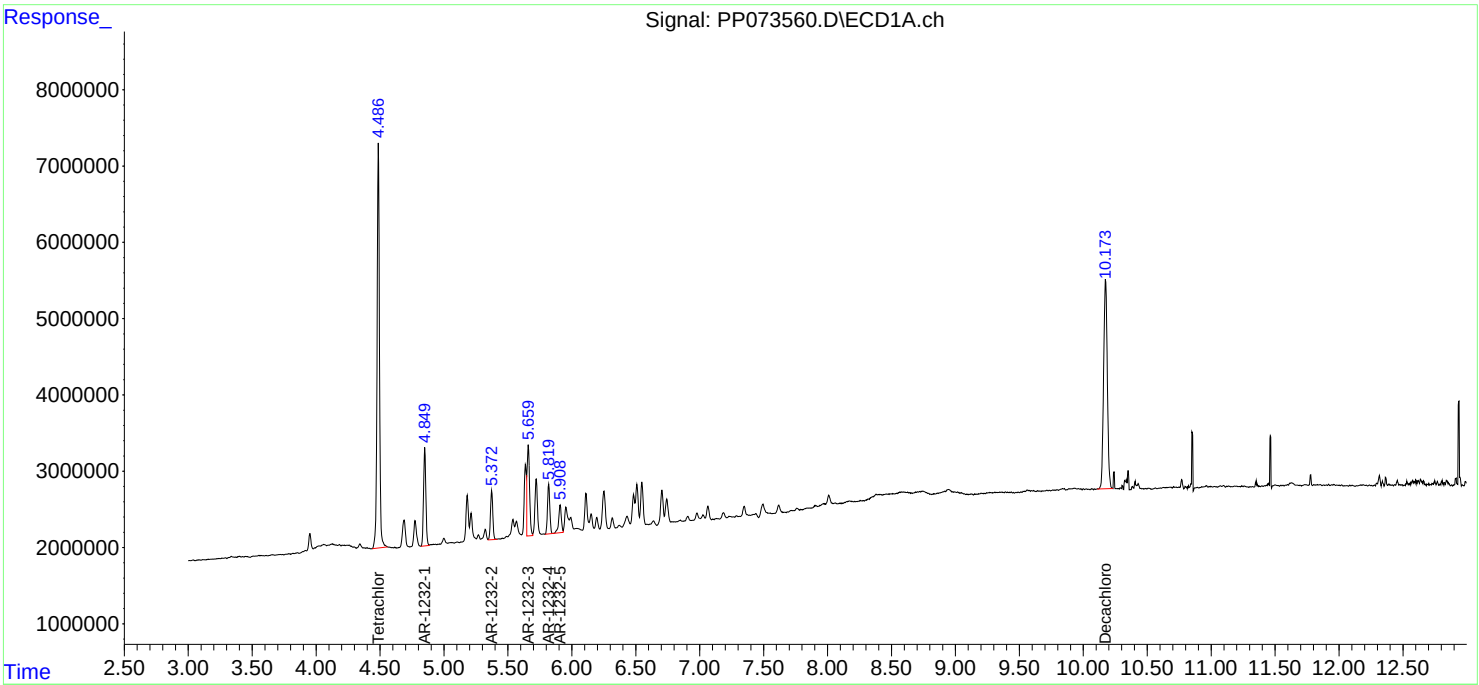
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

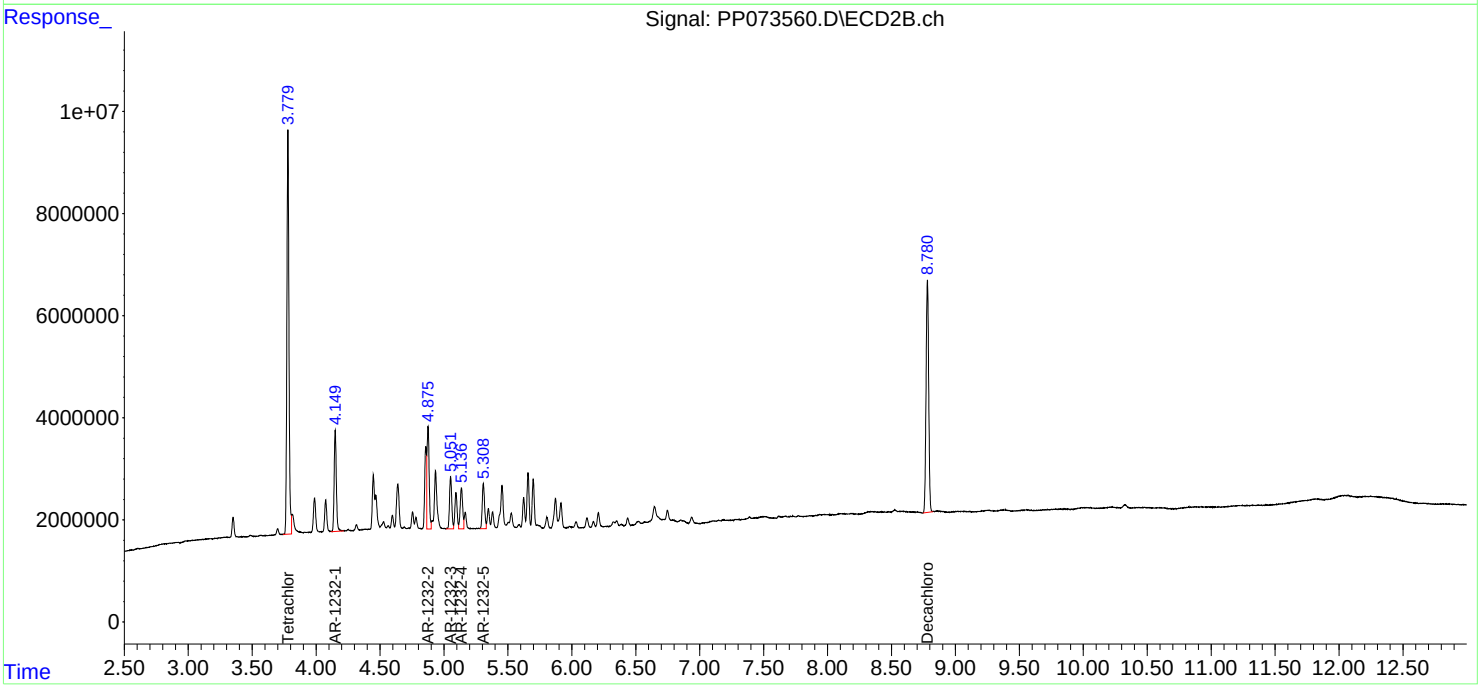
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:41
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

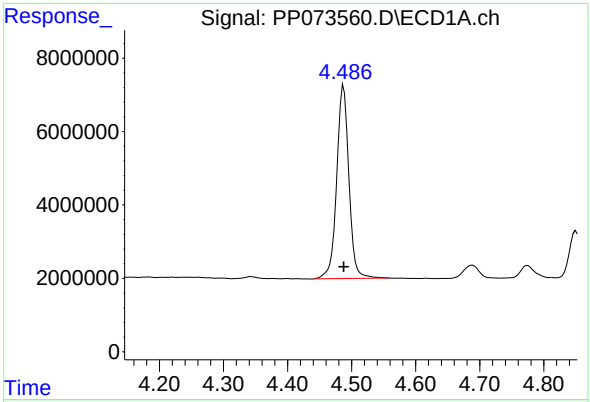
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:58:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:58:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



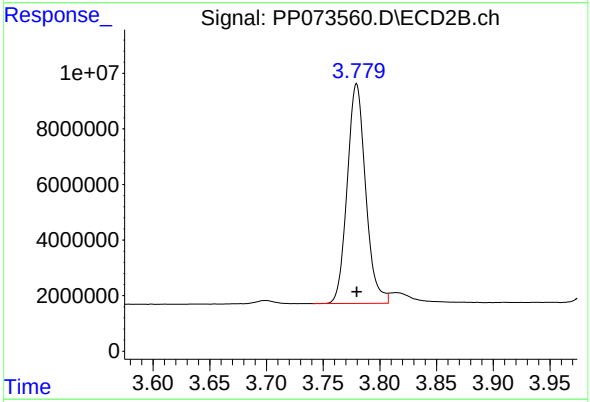




#1 Tetrachloro-m-xylene

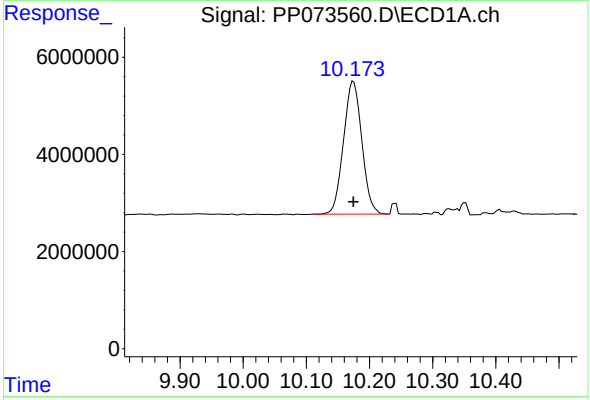
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 69747801
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



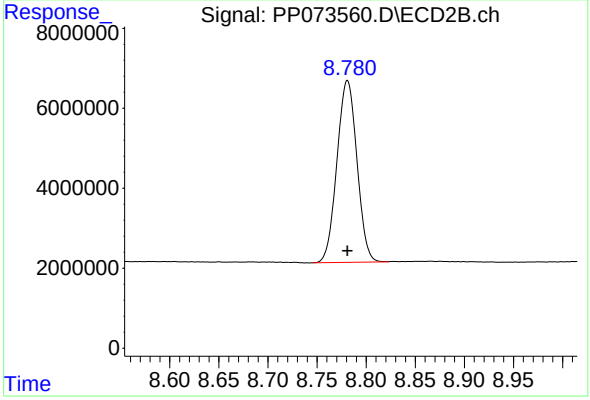
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 89329746
Conc: 50.00 ng/ml



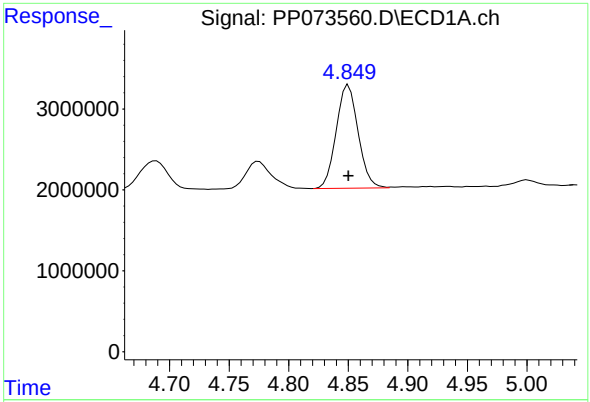
#2 Decachlorobiphenyl

R.T.: 10.175 min
Delta R.T.: 0.000 min
Response: 55031795
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

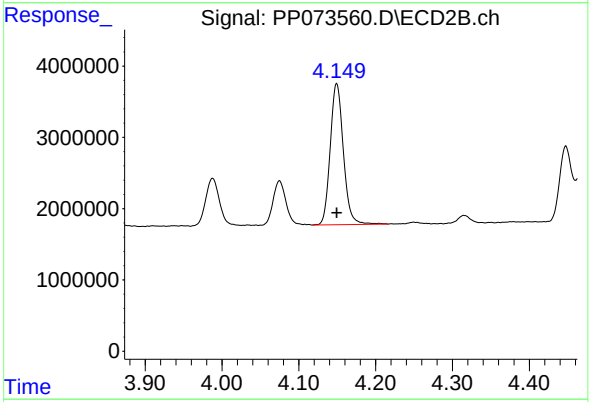
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 64481917
Conc: 50.00 ng/ml



#11 AR-1232-1

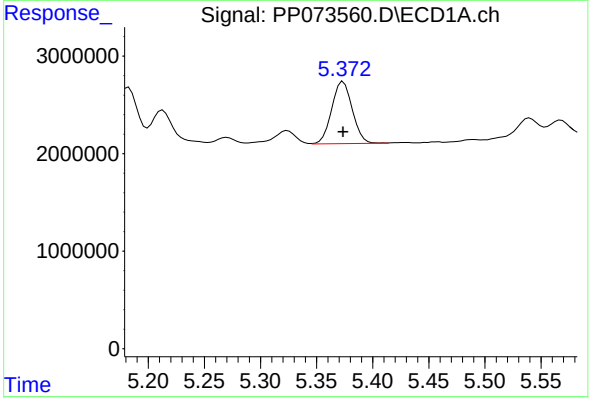
R.T.: 4.850 min
Delta R.T.: 0.000 min
Response: 16325352
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



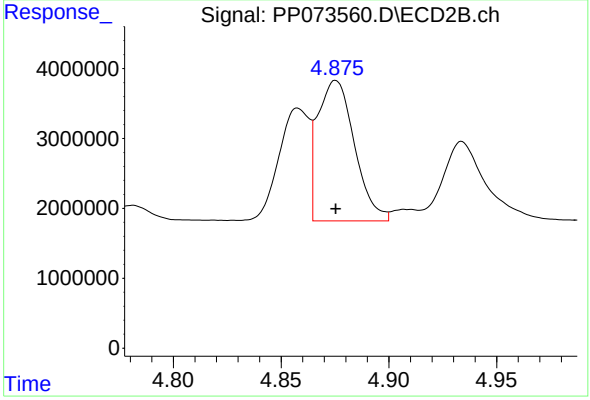
#11 AR-1232-1

R.T.: 4.149 min
Delta R.T.: 0.000 min
Response: 23307175
Conc: 500.00 ng/ml



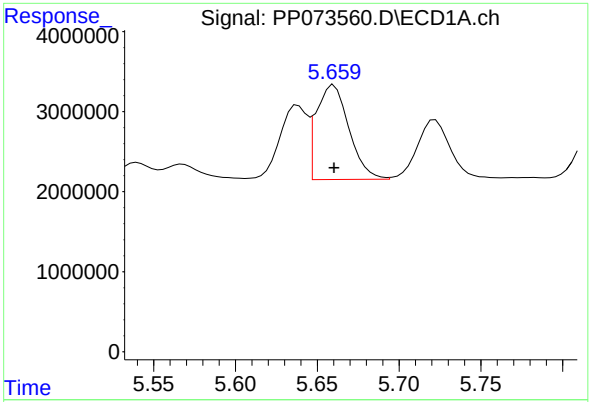
#12 AR-1232-2

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 8127340
Conc: 500.00 ng/ml



#12 AR-1232-2

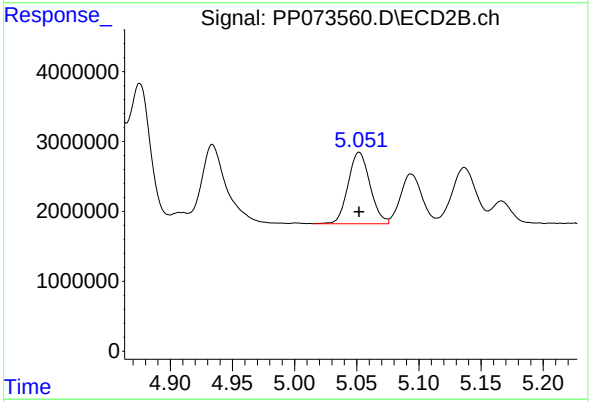
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 23829904
Conc: 500.00 ng/ml



#13 AR-1232-3

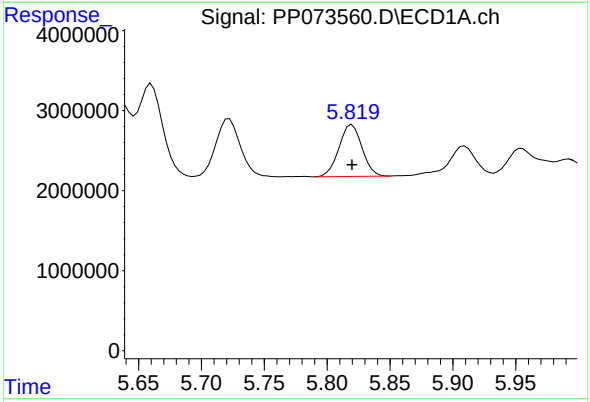
R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 16496729
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



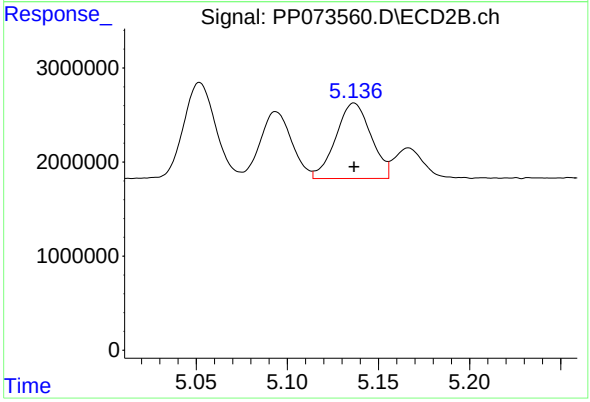
#13 AR-1232-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 12514513
Conc: 500.00 ng/ml



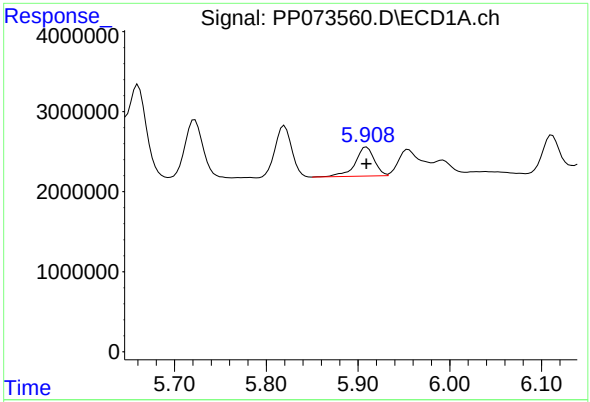
#14 AR-1232-4

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 8222579
Conc: 500.00 ng/ml



#14 AR-1232-4

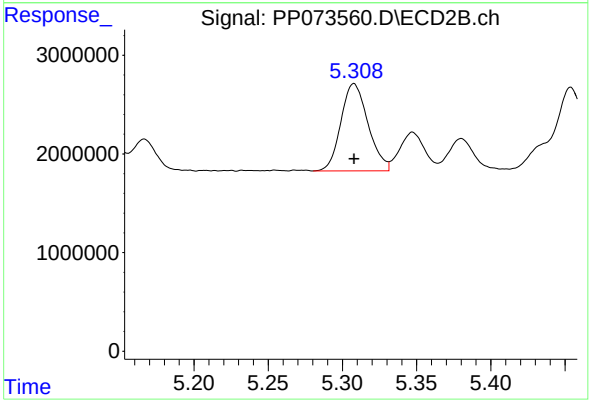
R.T.: 5.137 min
Delta R.T.: 0.000 min
Response: 10828145
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.909 min
Delta R.T.: 0.000 min
Response: 5285179
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 11281724
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:57
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:03:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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...	4.489	3.779	133.6E6	178.7E6	93.639	94.390
2)	SA Decachlor...	10.177	8.779	109.6E6	130.7E6	95.735	96.573
	Target Compounds						
16)	L4 AR-1242-1	5.639	4.857	37824570	53636877	927.891	888.918
17)	L4 AR-1242-2	5.661	4.874	59433539	81745742	941.383	919.241
18)	L4 AR-1242-3	5.723	5.051	35307728	43191003	927.513	907.757
19)	L4 AR-1242-4	5.820	5.135	29431539	40719317	927.311	902.527
20)	L4 AR-1242-5	6.549	5.656	31742412	53173633	951.704	931.769

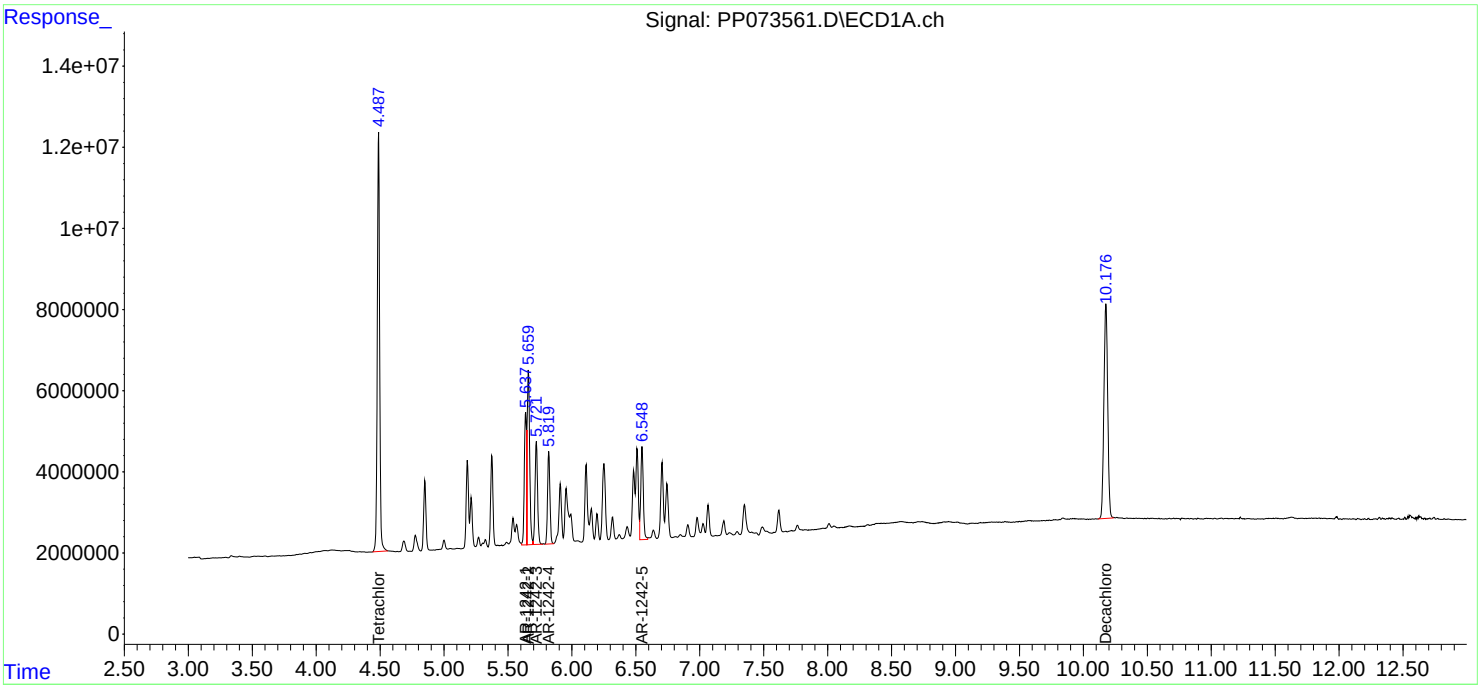
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

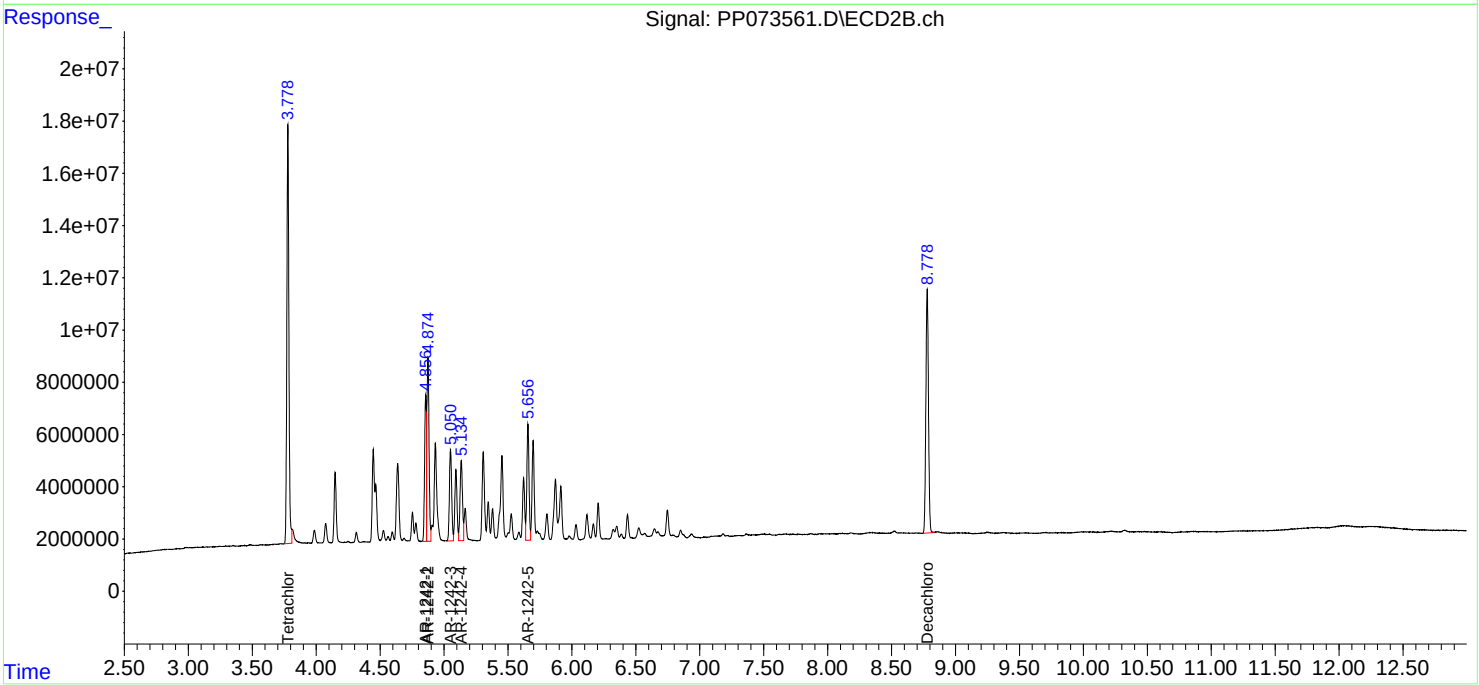
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:57
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

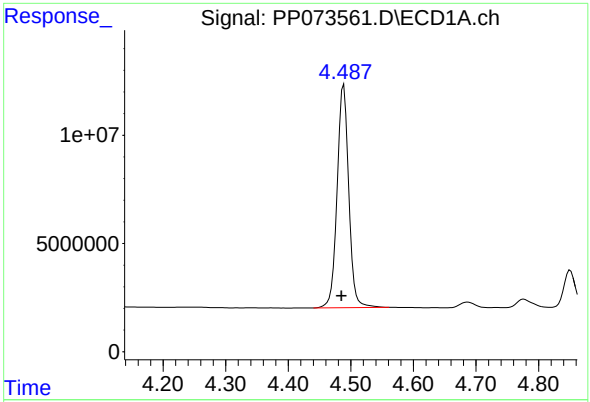
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:03:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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



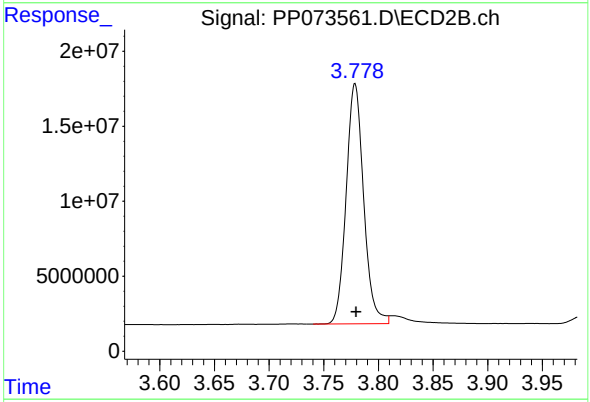




#1 Tetrachloro-m-xylene

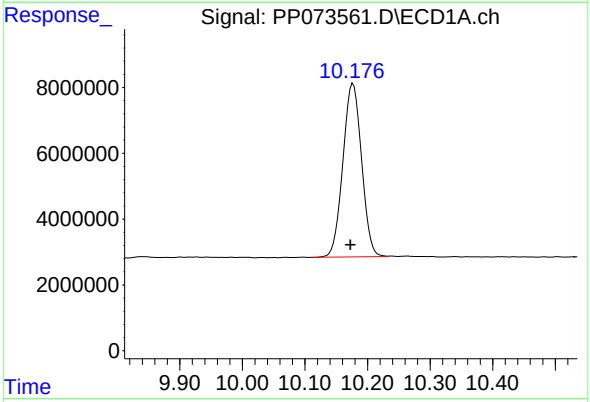
R.T.: 4.489 min
Delta R.T.: 0.004 min
Response: 133642467
Conc: 93.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



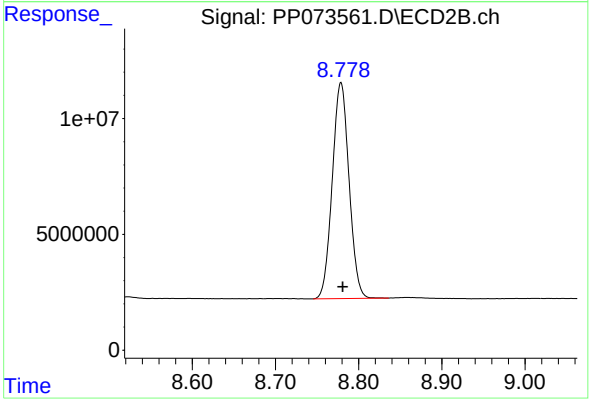
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 178724092
Conc: 94.39 ng/ml



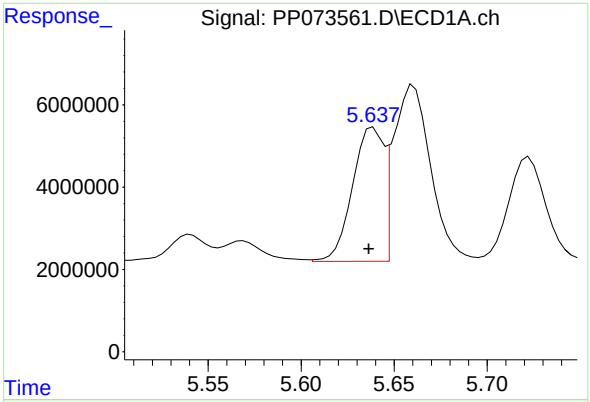
#2 Decachlorobiphenyl

R.T.: 10.177 min
Delta R.T.: 0.004 min
Response: 109570314
Conc: 95.73 ng/ml



#2 Decachlorobiphenyl

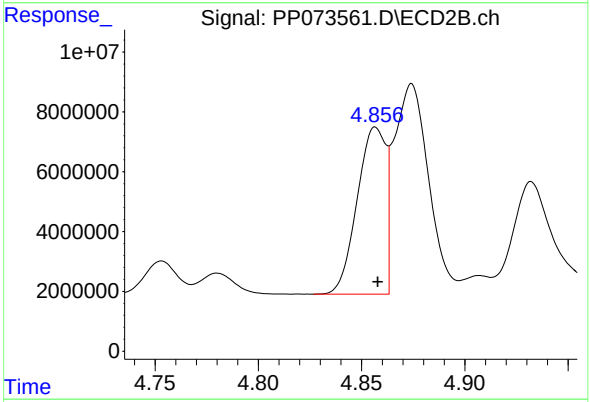
R.T.: 8.779 min
Delta R.T.: -0.002 min
Response: 130664248
Conc: 96.57 ng/ml



#16 AR-1242-1

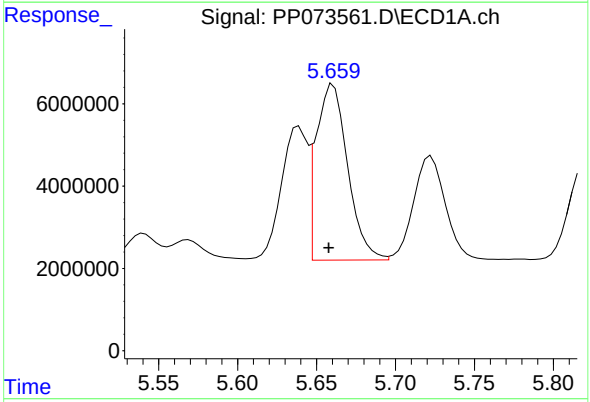
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 37824570
Conc: 927.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



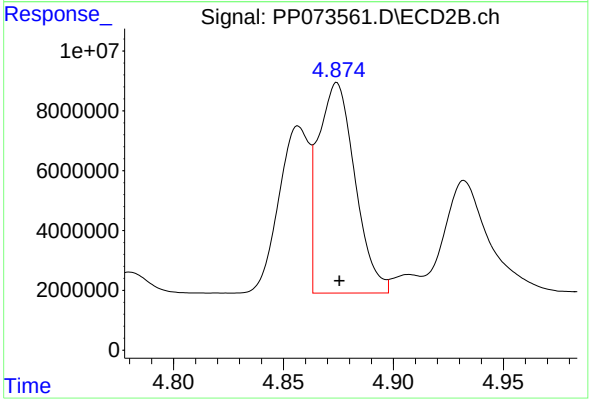
#16 AR-1242-1

R.T.: 4.857 min
Delta R.T.: -0.001 min
Response: 53636877
Conc: 888.92 ng/ml



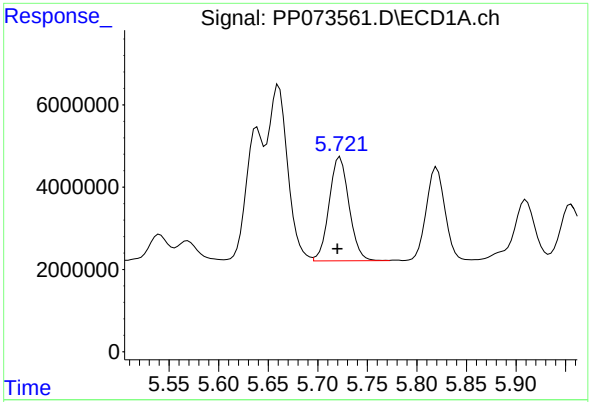
#17 AR-1242-2

R.T.: 5.661 min
Delta R.T.: 0.003 min
Response: 59433539
Conc: 941.38 ng/ml



#17 AR-1242-2

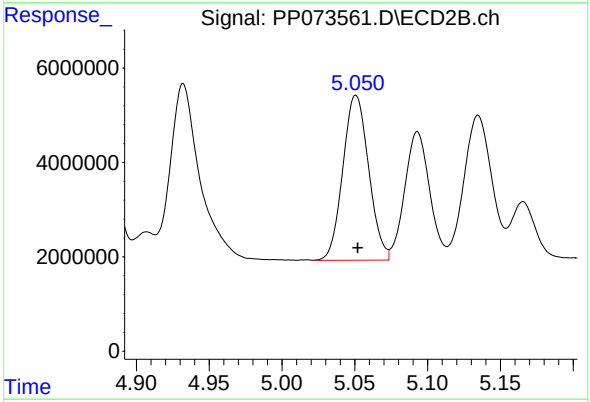
R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 81745742
Conc: 919.24 ng/ml



#18 AR-1242-3

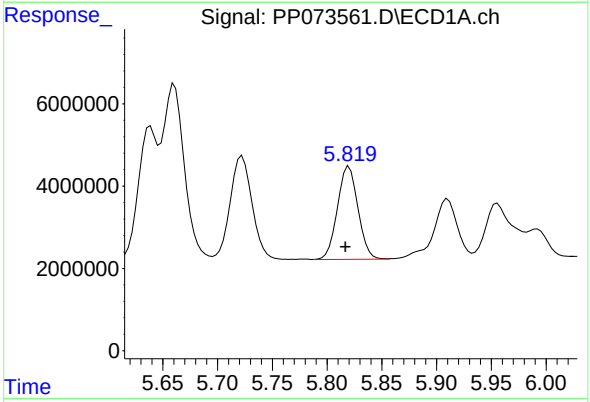
R.T.: 5.723 min
Delta R.T.: 0.003 min
Response: 35307728
Conc: 927.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



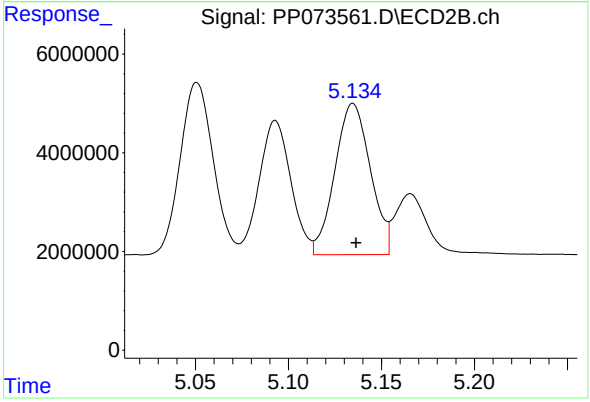
#18 AR-1242-3

R.T.: 5.051 min
Delta R.T.: -0.001 min
Response: 43191003
Conc: 907.76 ng/ml



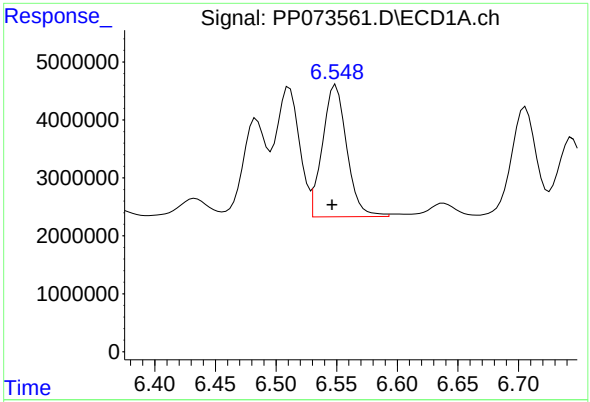
#19 AR-1242-4

R.T.: 5.820 min
Delta R.T.: 0.003 min
Response: 29431539
Conc: 927.31 ng/ml



#19 AR-1242-4

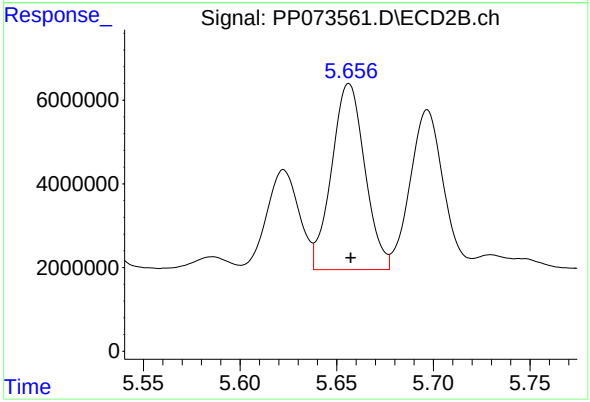
R.T.: 5.135 min
Delta R.T.: -0.002 min
Response: 40719317
Conc: 902.53 ng/ml



#20 AR-1242-5

R.T.: 6.549 min
Delta R.T.: 0.003 min
Response: 31742412
Conc: 951.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 53173633
Conc: 931.77 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:14
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:04:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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...	4.487	3.779	101.2E6	134.0E6	70.925	70.781
2)	SA Decachlor...	10.176	8.781	83819765	102.7E6	73.236	75.941
	Target Compounds						
16)	L4 AR-1242-1	5.637	4.858	28898659	42483367	708.926	704.072
17)	L4 AR-1242-2	5.660	4.875	44240913	61742767	700.743	694.305
18)	L4 AR-1242-3	5.721	5.051	26874126	33146056	705.967	696.639
19)	L4 AR-1242-4	5.819	5.135	22658657	31400295	713.915	695.975
20)	L4 AR-1242-5	6.548	5.657	23721271	40207089	711.214	704.555

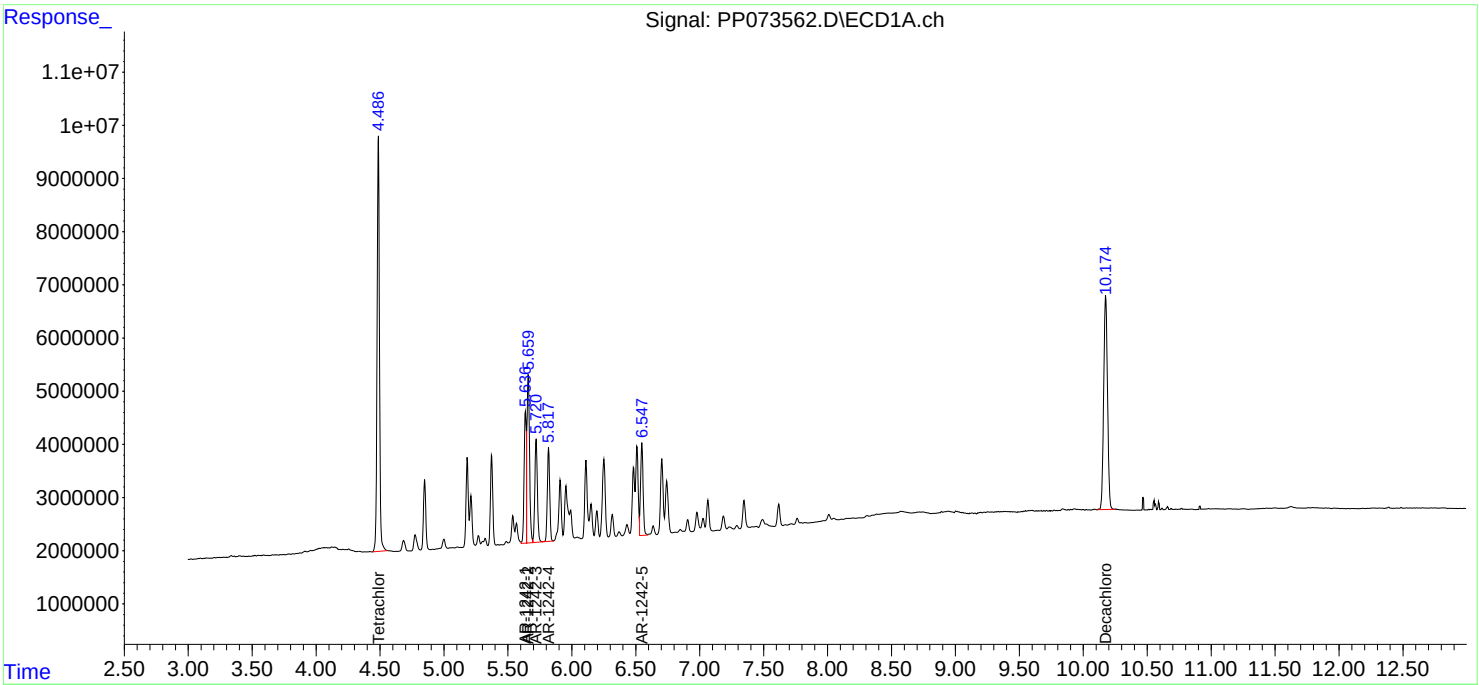
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

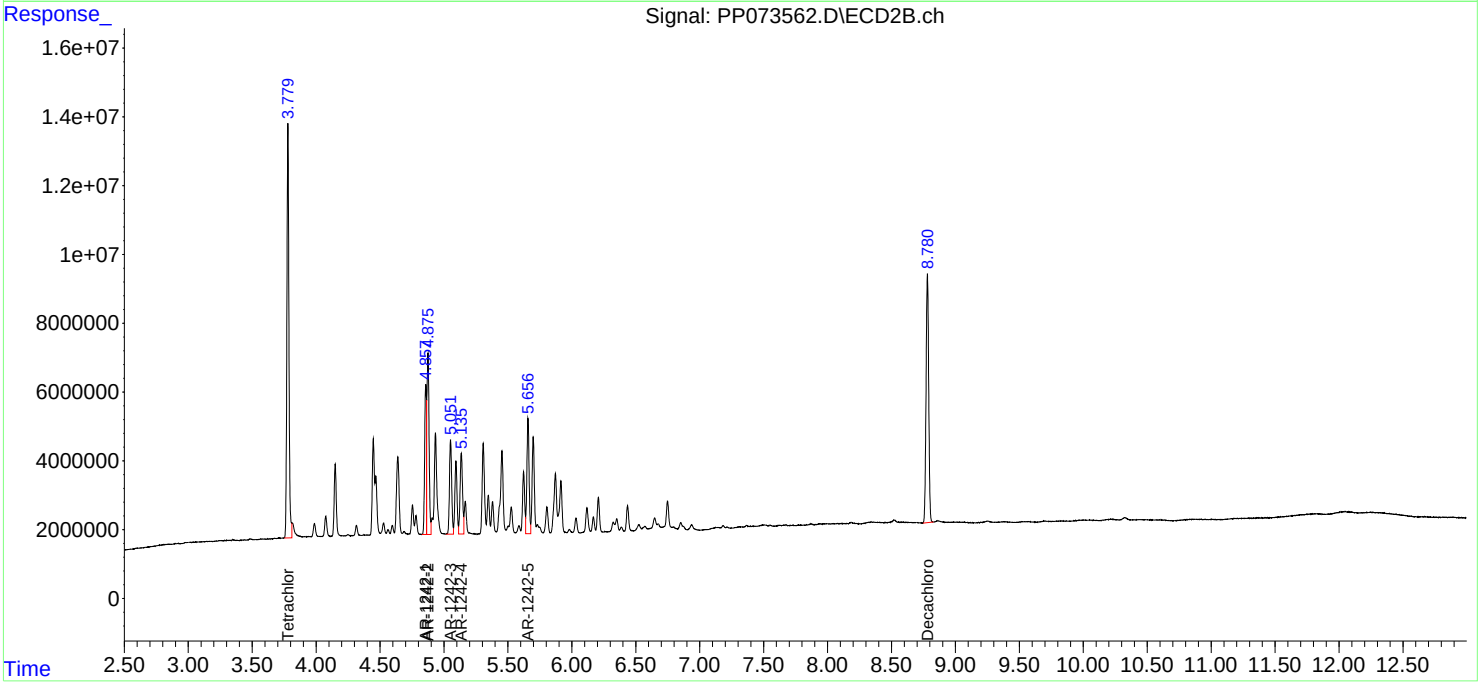
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:14
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

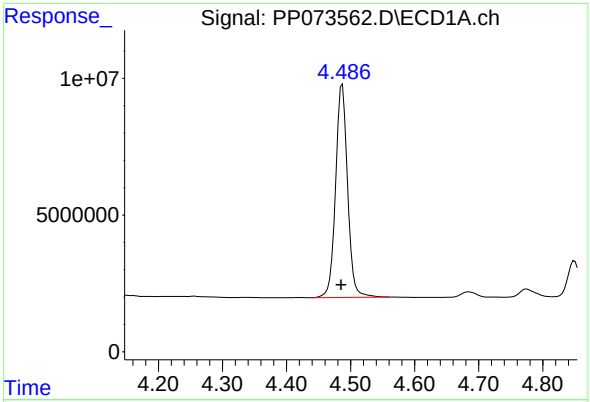
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:04:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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



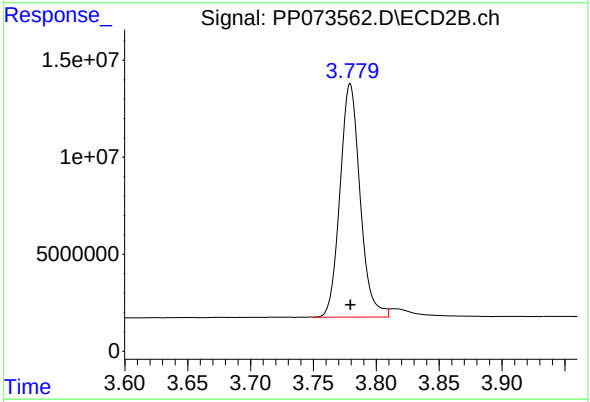




#1 Tetrachloro-m-xylene

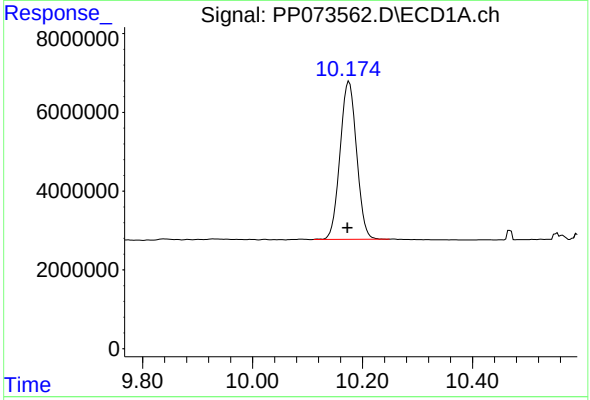
R.T.: 4.487 min
Delta R.T.: 0.002 min
Response: 101224890
Conc: 70.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



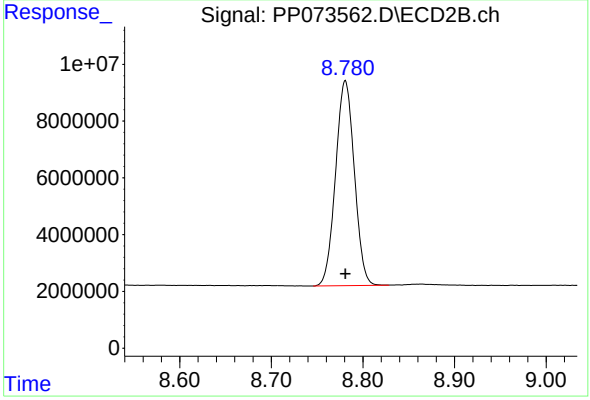
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 134020280
Conc: 70.78 ng/ml



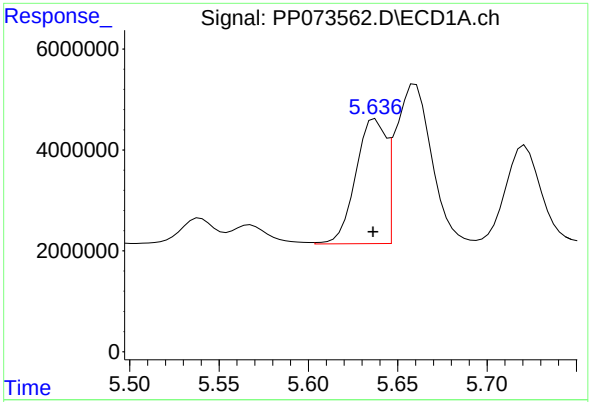
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.003 min
Response: 83819765
Conc: 73.24 ng/ml



#2 Decachlorobiphenyl

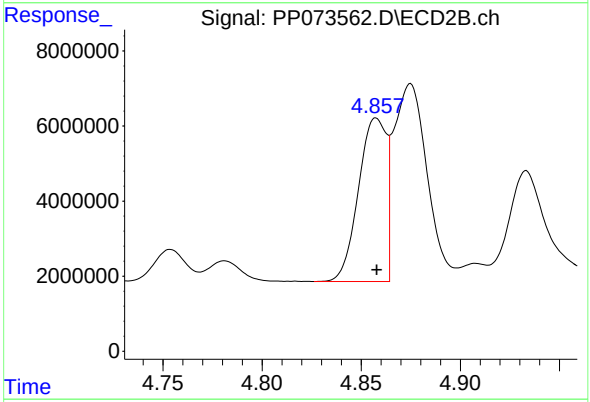
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 102748919
Conc: 75.94 ng/ml



#16 AR-1242-1

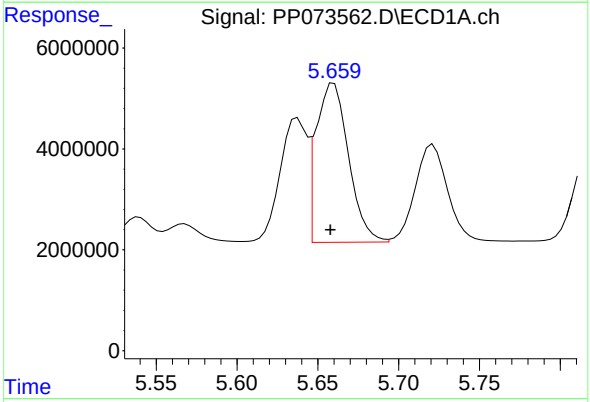
R.T.: 5.637 min
Delta R.T.: 0.001 min
Response: 28898659
Conc: 708.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



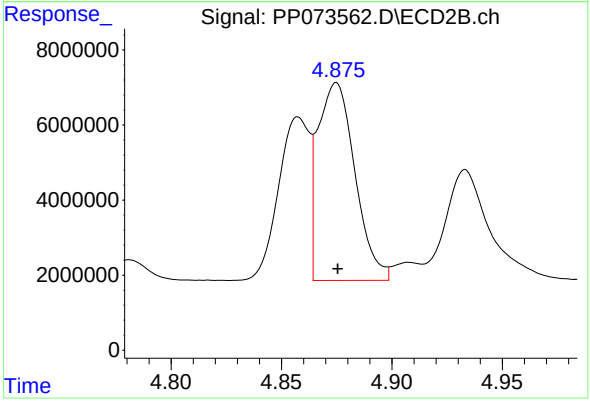
#16 AR-1242-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 42483367
Conc: 704.07 ng/ml



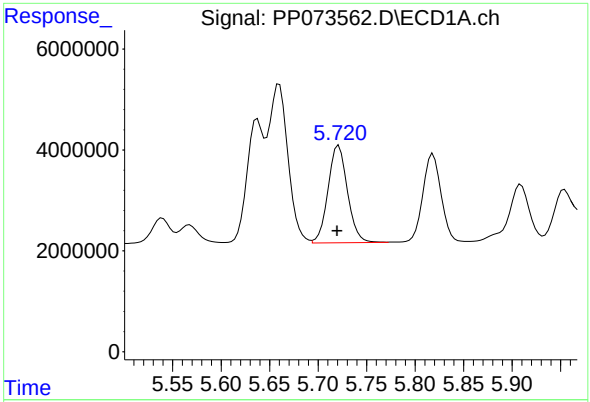
#17 AR-1242-2

R.T.: 5.660 min
Delta R.T.: 0.002 min
Response: 44240913
Conc: 700.74 ng/ml



#17 AR-1242-2

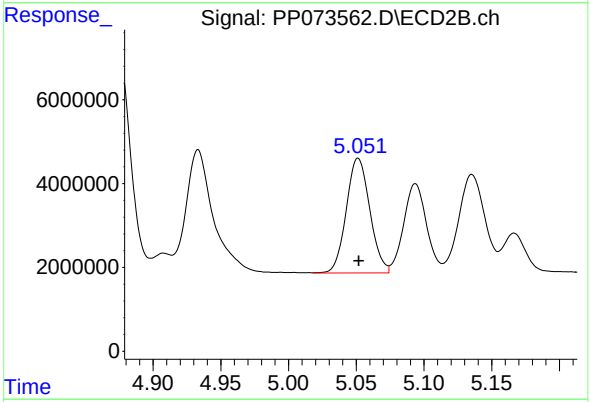
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 61742767
Conc: 694.31 ng/ml



#18 AR-1242-3

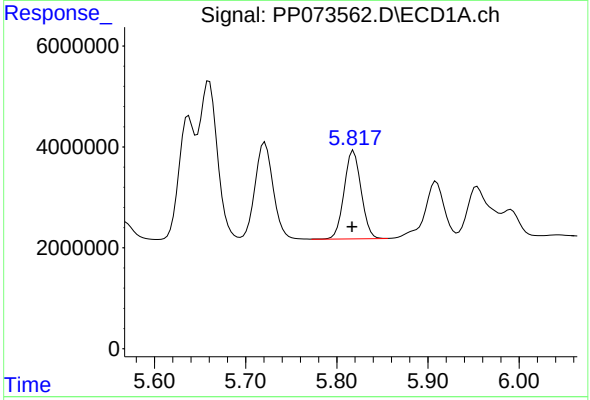
R.T.: 5.721 min
Delta R.T.: 0.002 min
Response: 26874126
Conc: 705.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



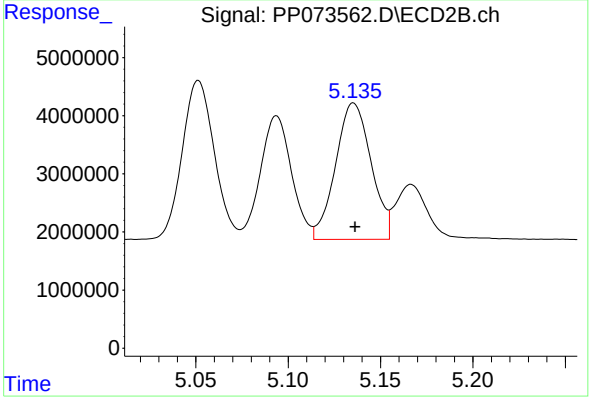
#18 AR-1242-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 33146056
Conc: 696.64 ng/ml



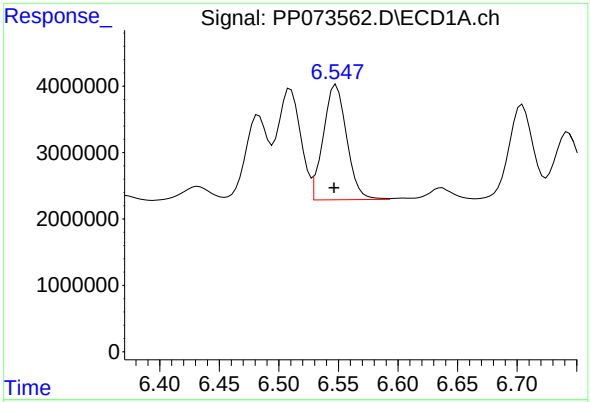
#19 AR-1242-4

R.T.: 5.819 min
Delta R.T.: 0.002 min
Response: 22658657
Conc: 713.91 ng/ml



#19 AR-1242-4

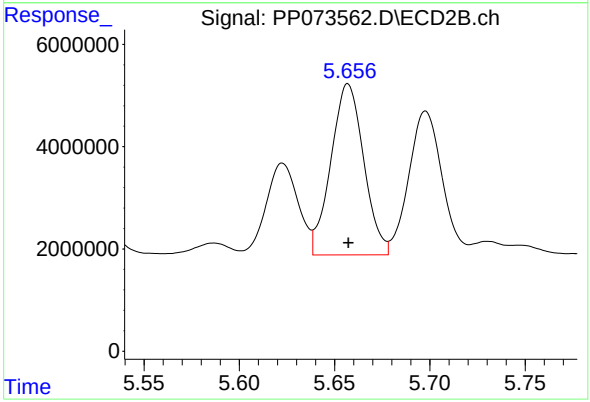
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 31400295
Conc: 695.97 ng/ml



#20 AR-1242-5

R.T.: 6.548 min
Delta R.T.: 0.002 min
Response: 23721271
Conc: 711.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 40207089
Conc: 704.55 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:30
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:04:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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...	4.485	3.779	71360618	94672779	50.000	50.000
2)	SA Decachlor...	10.173	8.781	57225953	67650592	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.636	4.858	20382014	30169740	500.000	500.000
17)	L4 AR-1242-2	5.658	4.875	31567127	44463701	500.000	500.000
18)	L4 AR-1242-3	5.720	5.052	19033543	23789965	500.000	500.000
19)	L4 AR-1242-4	5.817	5.136	15869296	22558507	500.000	500.000
20)	L4 AR-1242-5	6.546	5.657	16676614	28533697	500.000	500.000

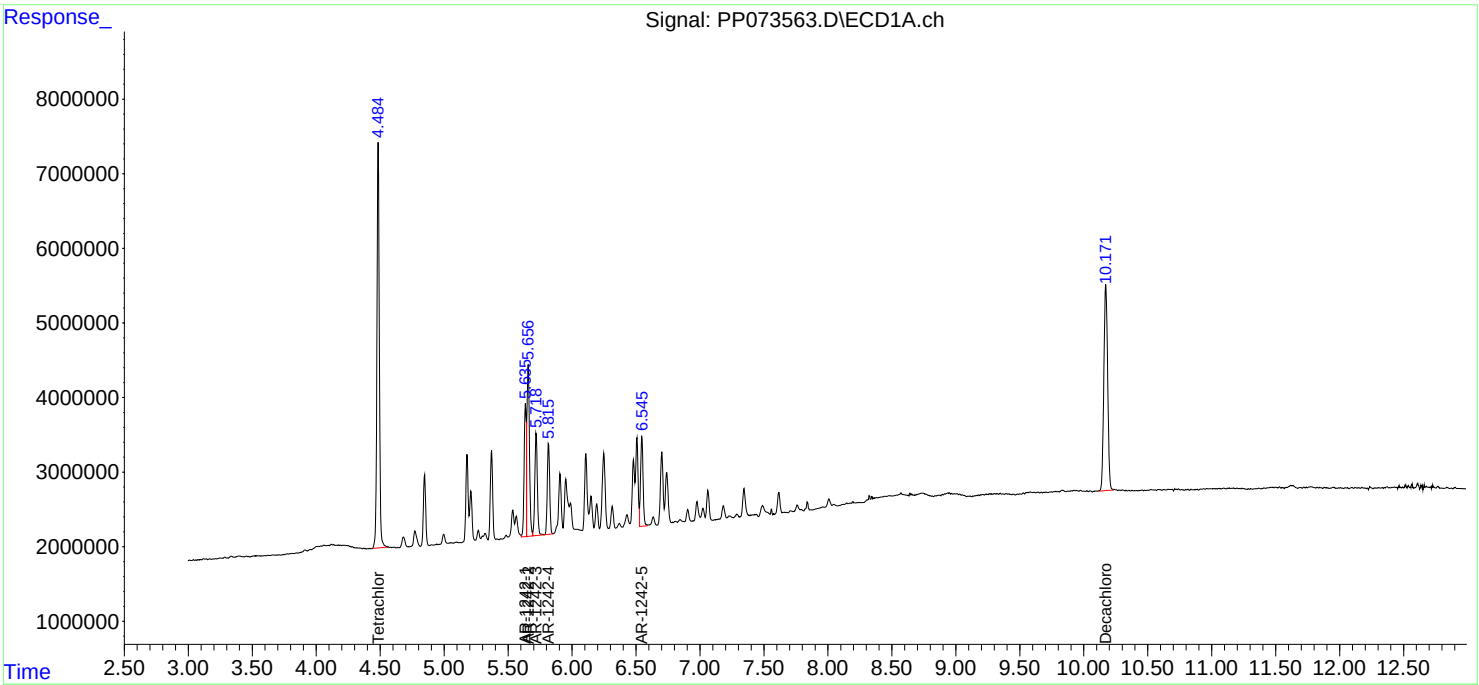
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

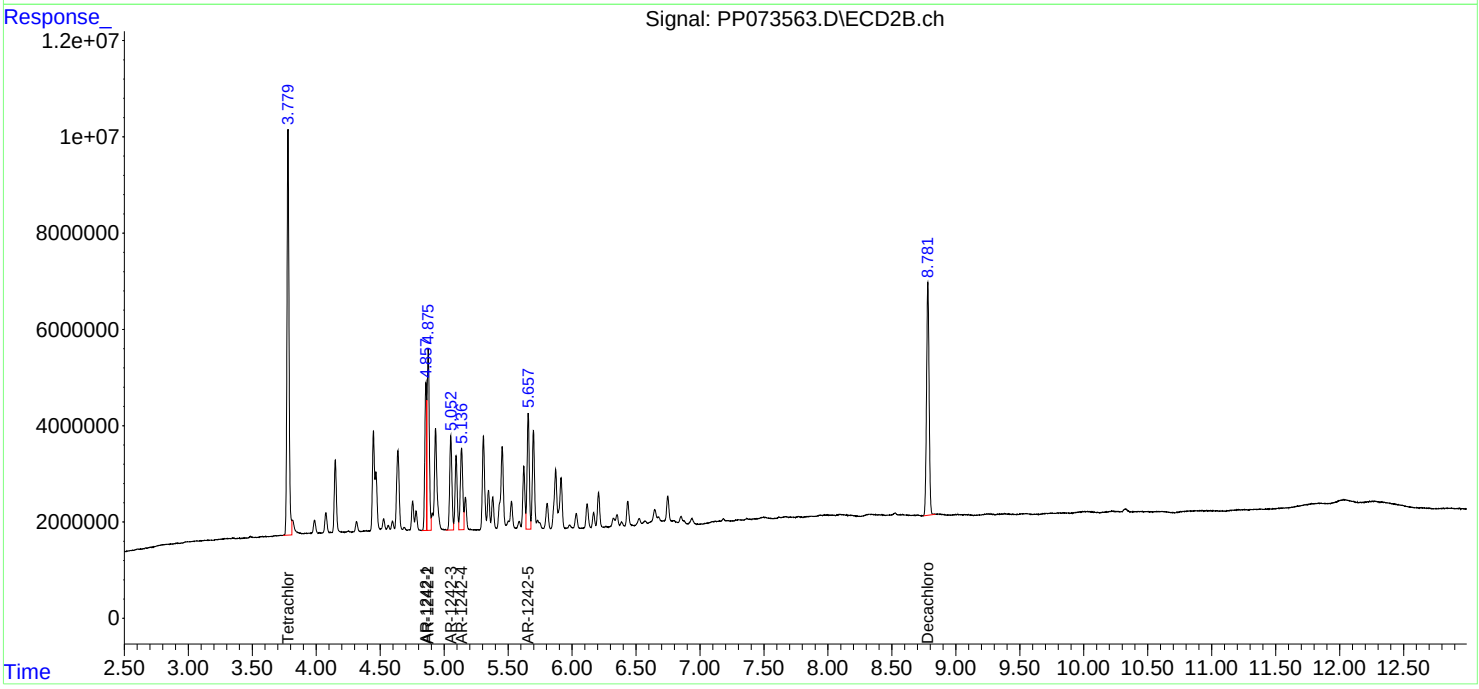
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:30
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

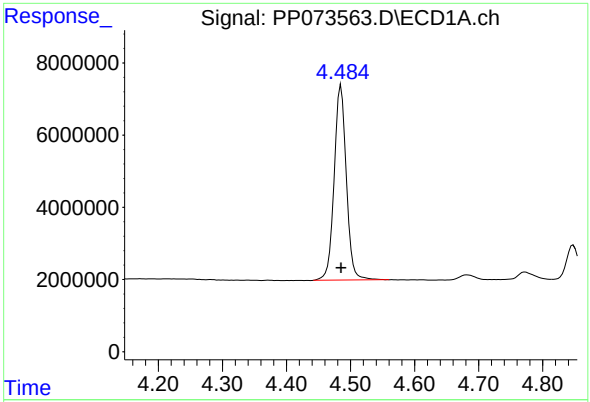
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:04:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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



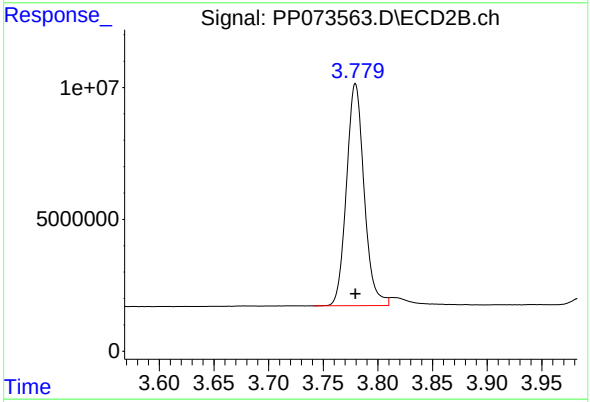




#1 Tetrachloro-m-xylene

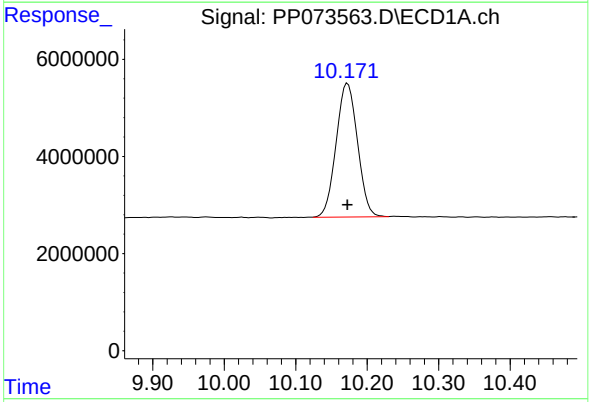
R.T.: 4.485 min
Delta R.T.: 0.000 min
Response: 71360618
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



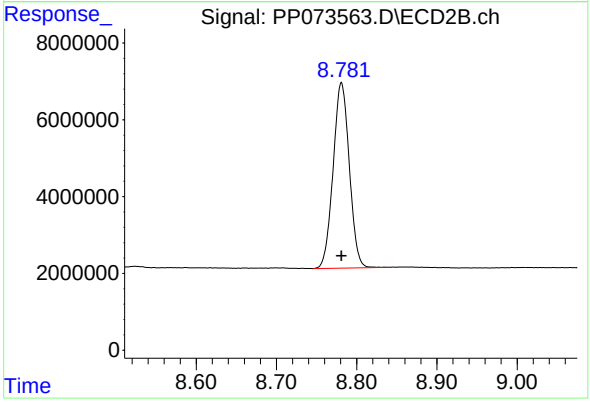
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 94672779
Conc: 50.00 ng/ml



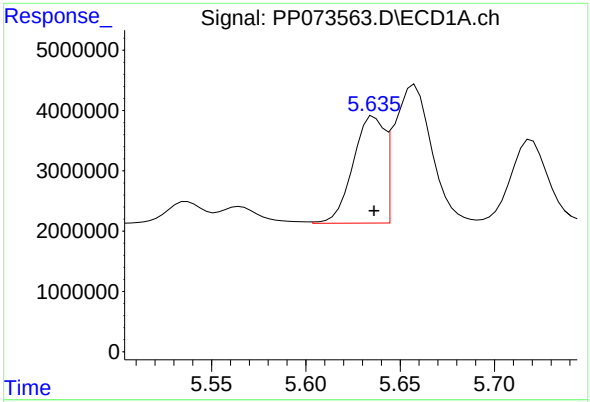
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: 0.000 min
Response: 57225953
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

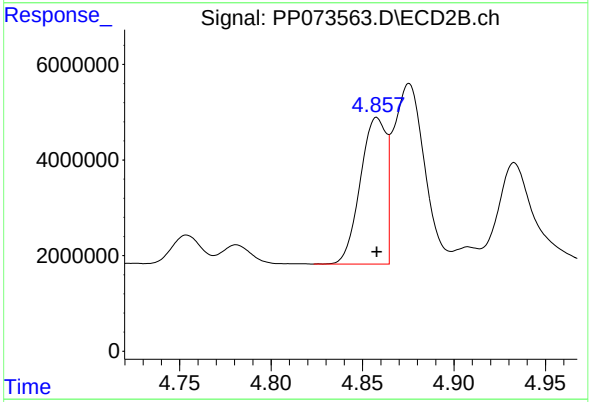
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 67650592
Conc: 50.00 ng/ml



#16 AR-1242-1

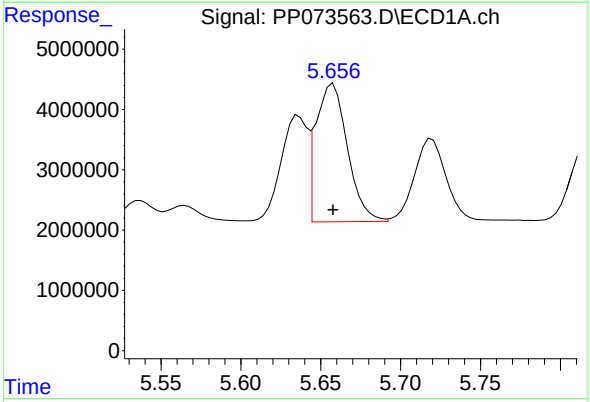
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 20382014
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



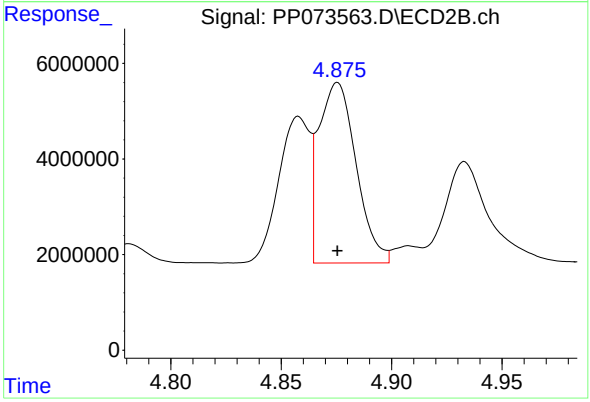
#16 AR-1242-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 30169740
Conc: 500.00 ng/ml



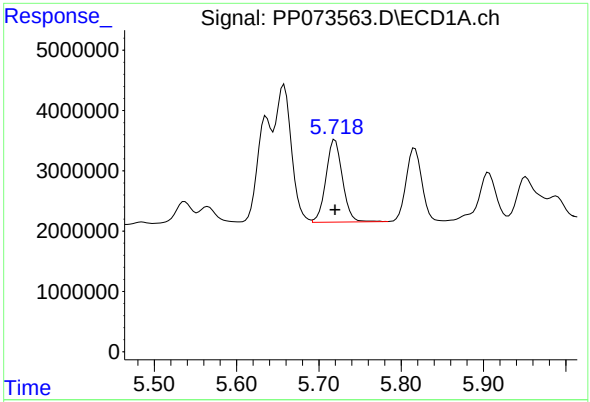
#17 AR-1242-2

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 31567127
Conc: 500.00 ng/ml



#17 AR-1242-2

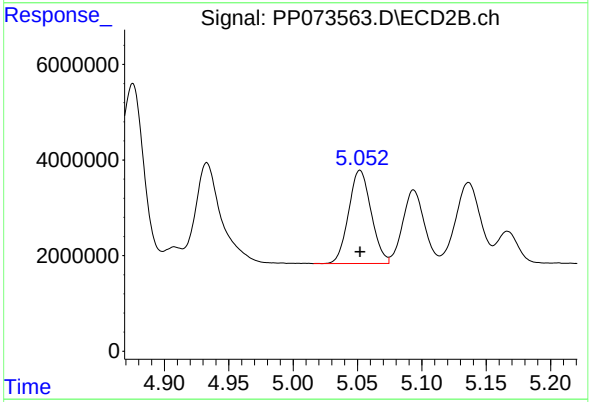
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 44463701
Conc: 500.00 ng/ml



#18 AR-1242-3

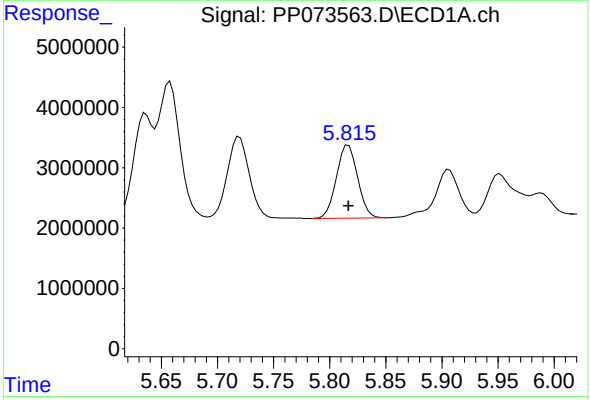
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 19033543
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



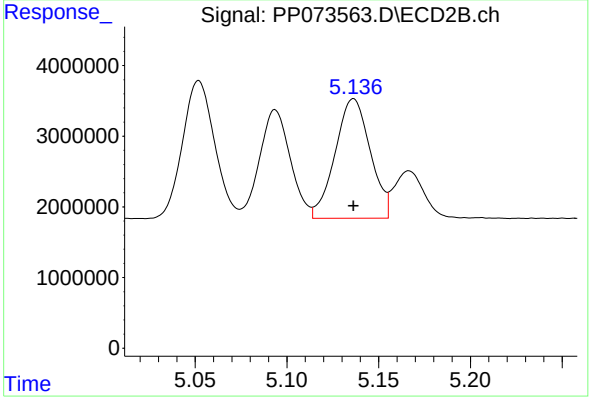
#18 AR-1242-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 23789965
Conc: 500.00 ng/ml



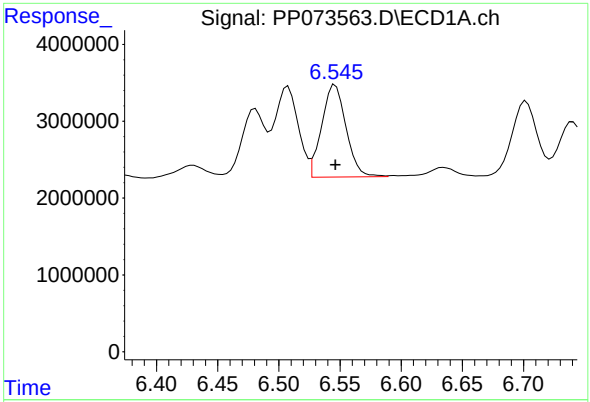
#19 AR-1242-4

R.T.: 5.817 min
Delta R.T.: 0.000 min
Response: 15869296
Conc: 500.00 ng/ml



#19 AR-1242-4

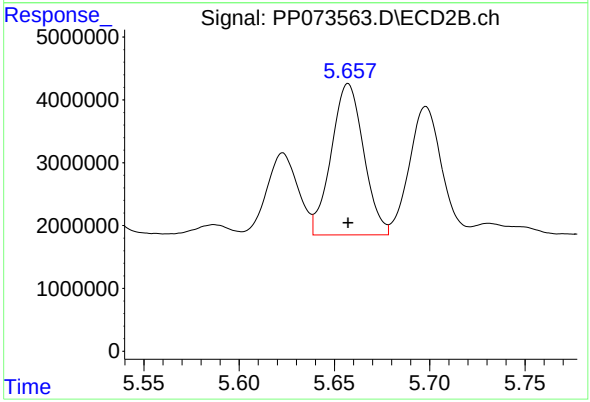
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 22558507
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 16676614
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 28533697
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:46
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:05:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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...	4.488	3.779	35973232	49943783	25.205	26.377
2)	SA Decachlor...	10.176	8.781	28867365	35186918	25.222	26.006
	Target Compounds						
16)	L4 AR-1242-1	5.638	4.857	10586937	15530210	259.713	257.381
17)	L4 AR-1242-2	5.660	4.875	16251959	22939126	257.419	257.953
18)	L4 AR-1242-3	5.722	5.051	9827935	12210872	258.174	256.639
19)	L4 AR-1242-4	5.819	5.135	8068875	11715170	254.229	259.662
20)	L4 AR-1242-5	6.550	5.656	8772262	14646179	263.011	256.647

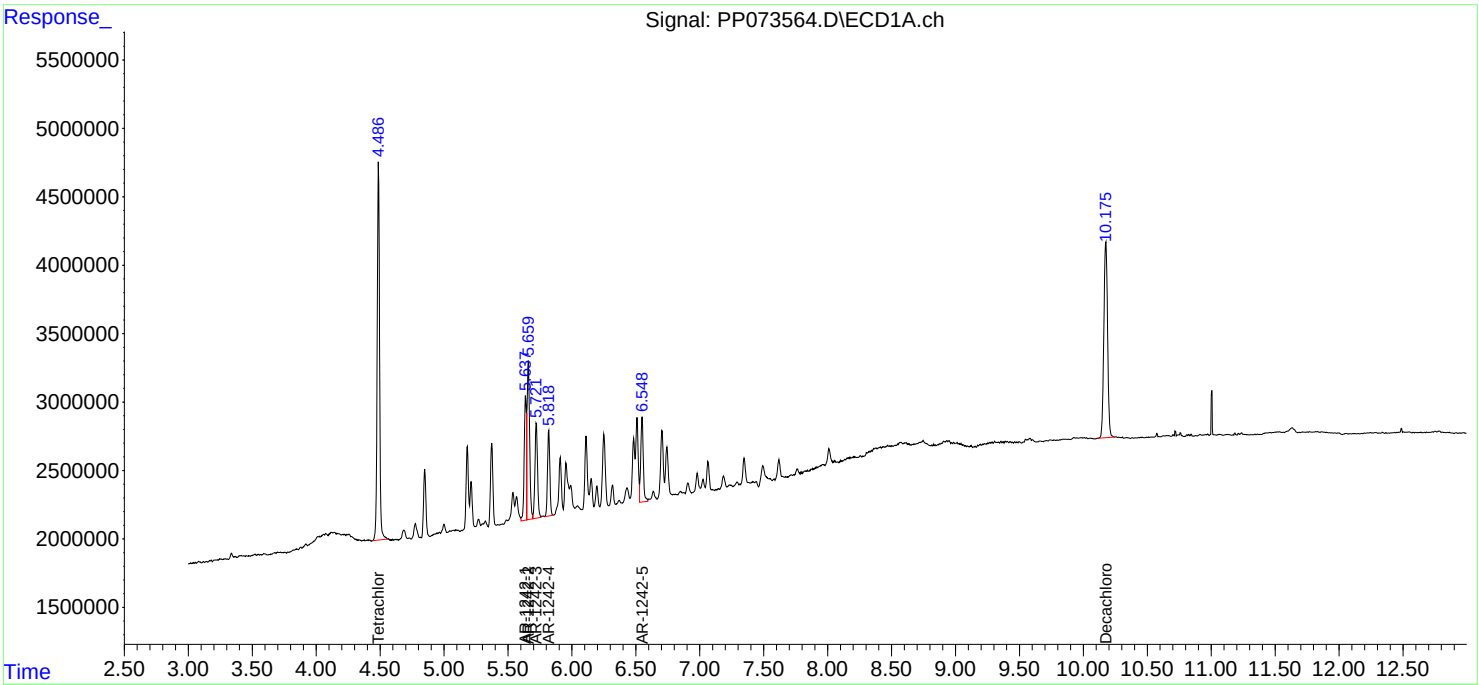
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

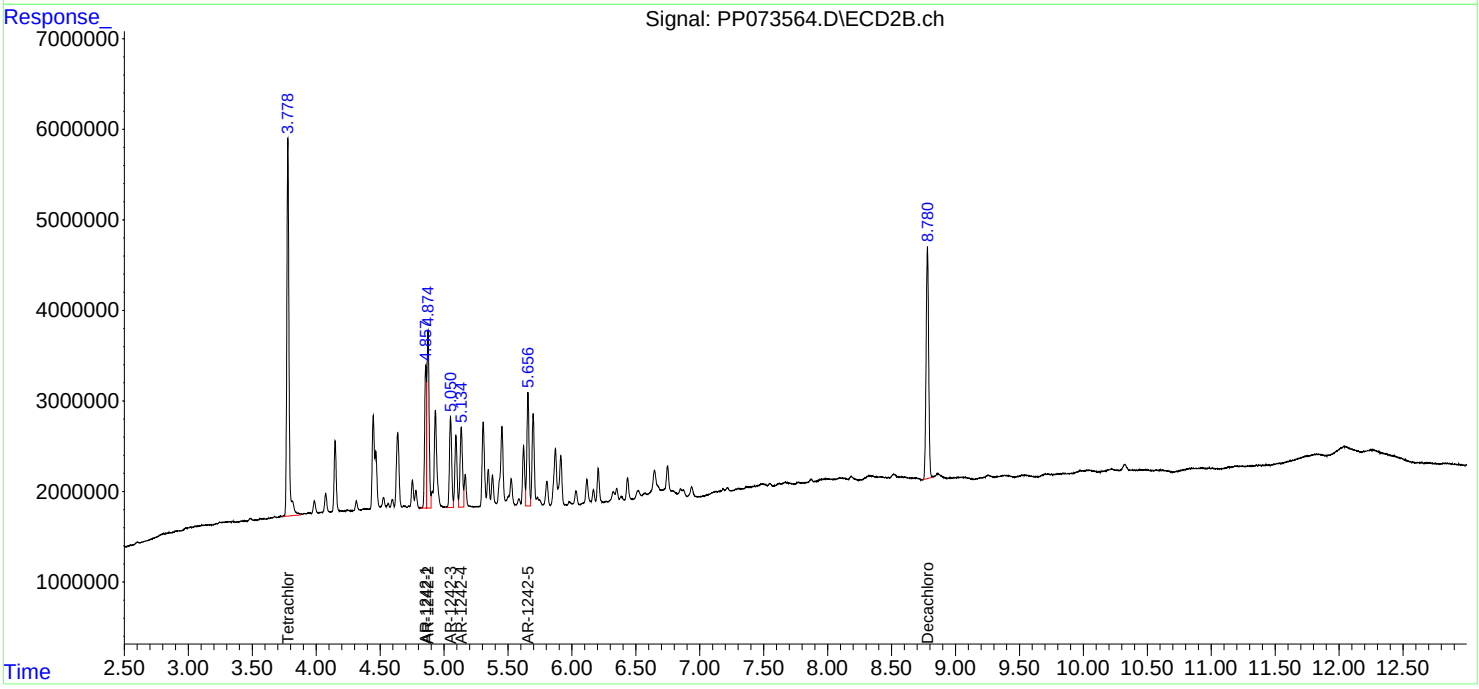
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:46
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

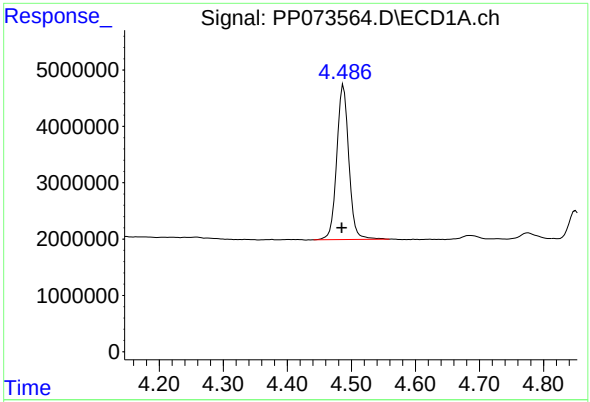
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:05:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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



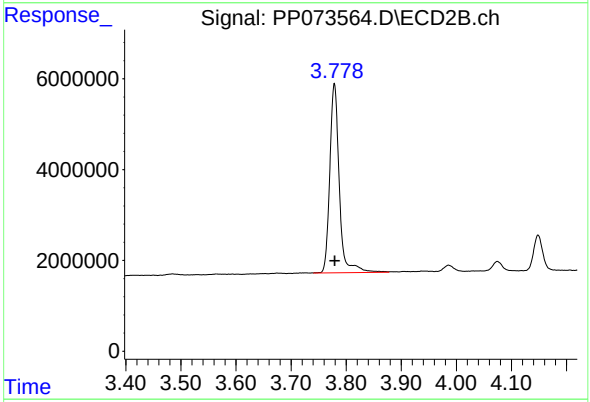




#1 Tetrachloro-m-xylene

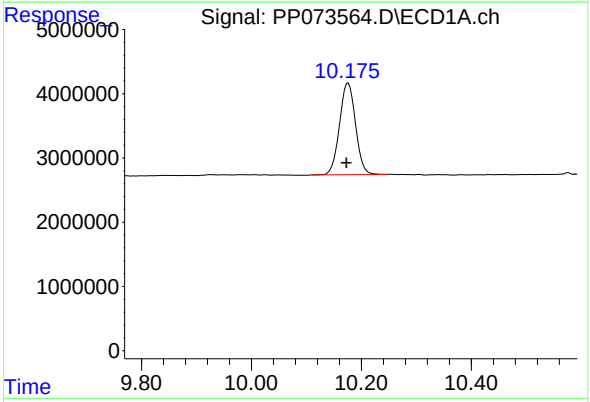
R.T.: 4.488 min
Delta R.T.: 0.003 min
Response: 35973232
Conc: 25.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



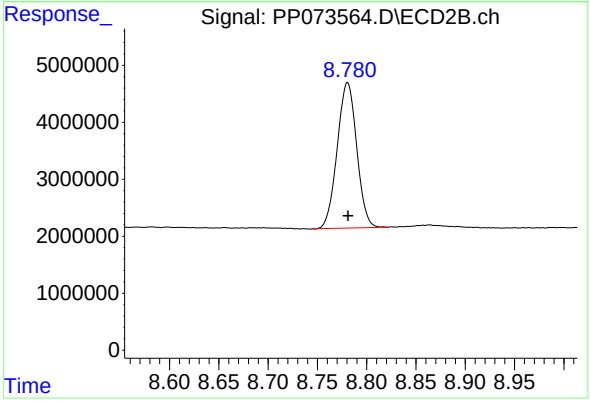
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 49943783
Conc: 26.38 ng/ml



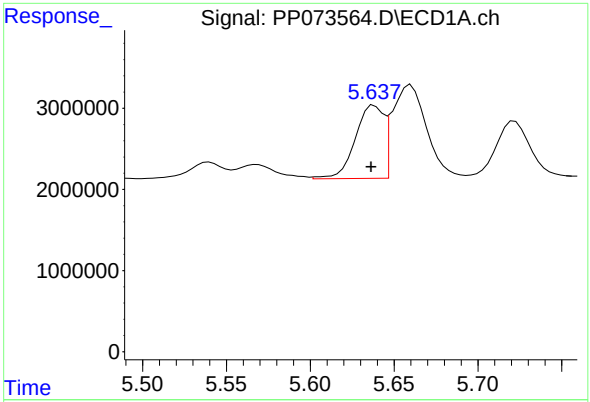
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.003 min
Response: 28867365
Conc: 25.22 ng/ml



#2 Decachlorobiphenyl

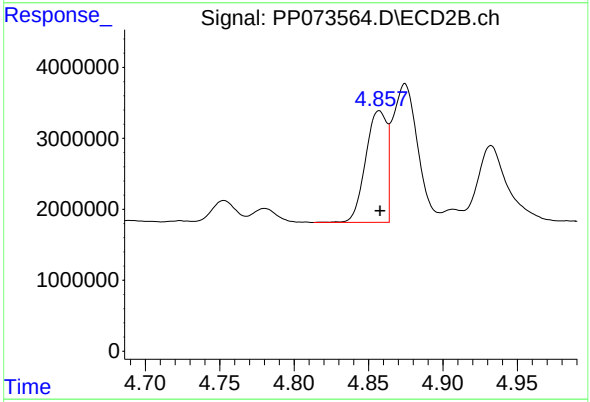
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 35186918
Conc: 26.01 ng/ml



#16 AR-1242-1

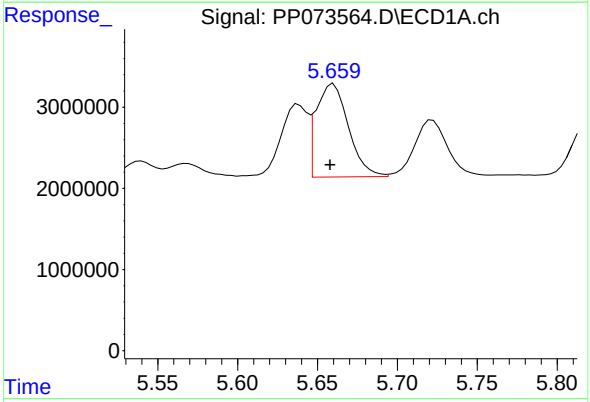
R.T.: 5.638 min
Delta R.T.: 0.002 min
Response: 10586937
Conc: 259.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



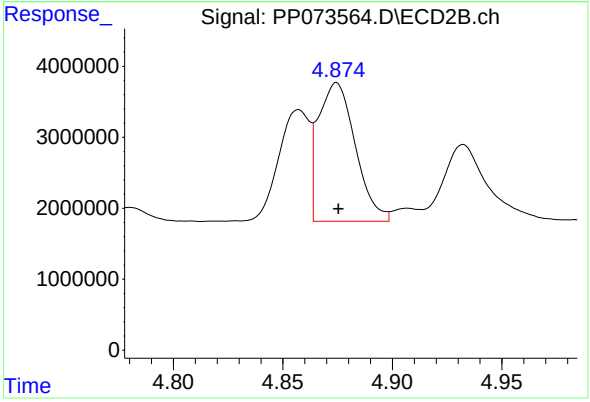
#16 AR-1242-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 15530210
Conc: 257.38 ng/ml



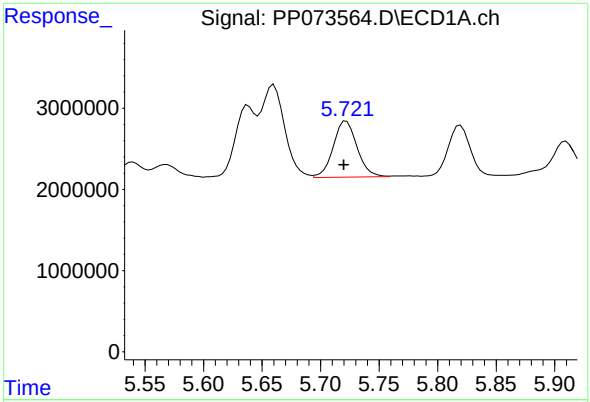
#17 AR-1242-2

R.T.: 5.660 min
Delta R.T.: 0.002 min
Response: 16251959
Conc: 257.42 ng/ml



#17 AR-1242-2

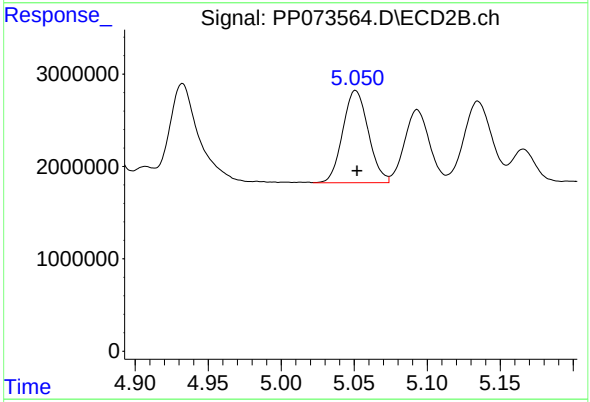
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 22939126
Conc: 257.95 ng/ml



#18 AR-1242-3

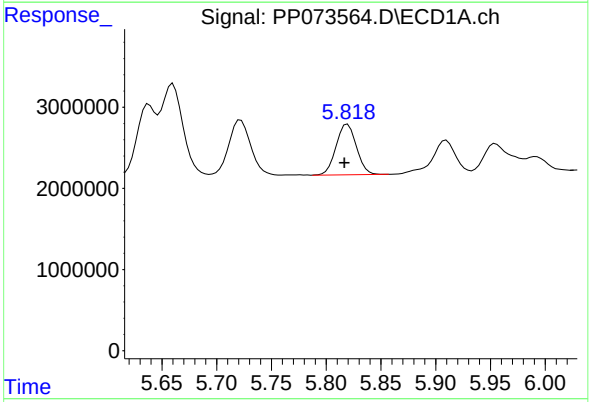
R.T.: 5.722 min
Delta R.T.: 0.002 min
Response: 9827935
Conc: 258.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



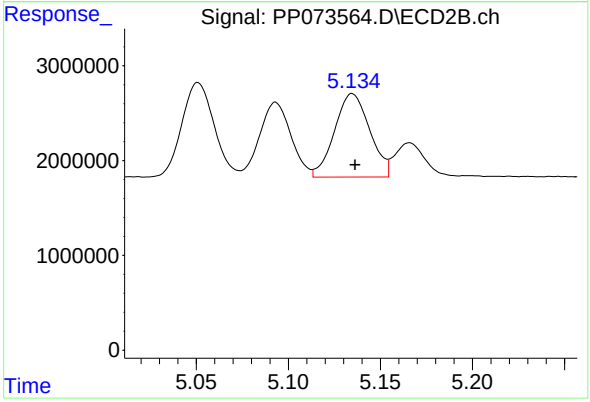
#18 AR-1242-3

R.T.: 5.051 min
Delta R.T.: -0.001 min
Response: 12210872
Conc: 256.64 ng/ml



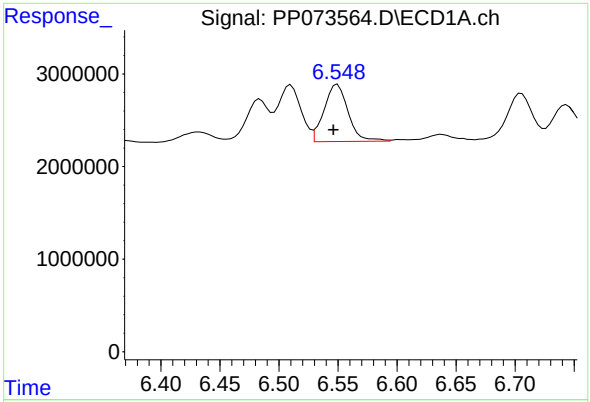
#19 AR-1242-4

R.T.: 5.819 min
Delta R.T.: 0.003 min
Response: 8068875
Conc: 254.23 ng/ml



#19 AR-1242-4

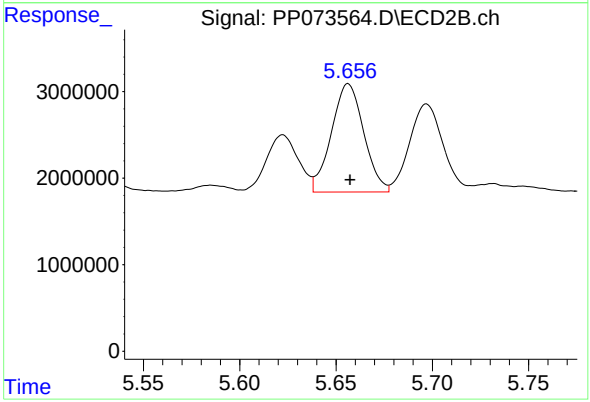
R.T.: 5.135 min
Delta R.T.: -0.002 min
Response: 11715170
Conc: 259.66 ng/ml



#20 AR-1242-5

R.T.: 6.550 min
Delta R.T.: 0.003 min
Response: 8772262
Conc: 263.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.656 min
Delta R.T.: 0.000 min
Response: 14646179
Conc: 256.65 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:03
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:05:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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...	4.487	3.779	6312847	8330986	4.423	4.400
2)	SA Decachlor...	10.173	8.780	4963140	5974096	4.336	4.415
	Target Compounds						
16)	L4 AR-1242-1	5.636	4.857	1573661	2804106	38.604m	46.472
17)	L4 AR-1242-2	5.657	4.875	2642334	4375880	41.853m	49.207
18)	L4 AR-1242-3	5.720	5.052	1729292	2296207	45.427m	48.260
19)	L4 AR-1242-4	5.818	5.136	1851147	2337623	58.325	51.812
20)	L4 AR-1242-5	6.546	5.657	1593566	2688857	47.778m	47.117

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:03
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

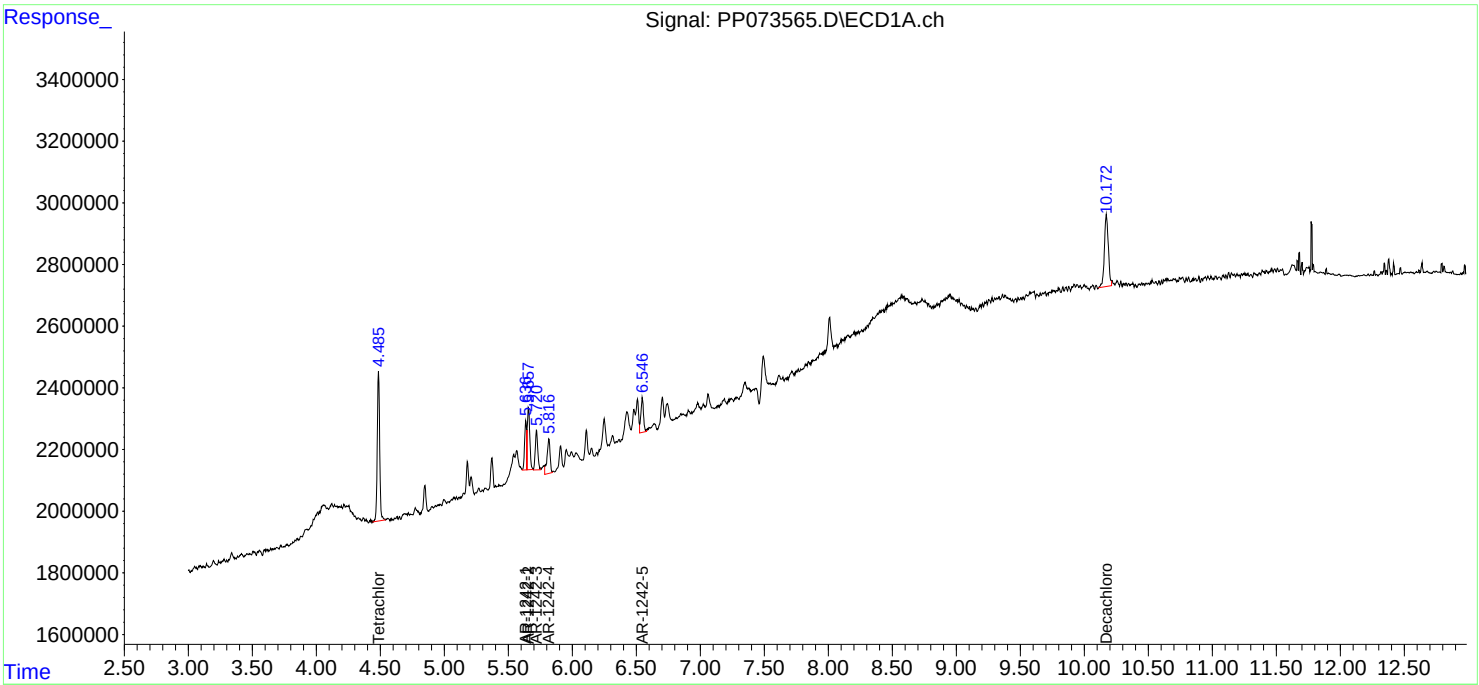
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

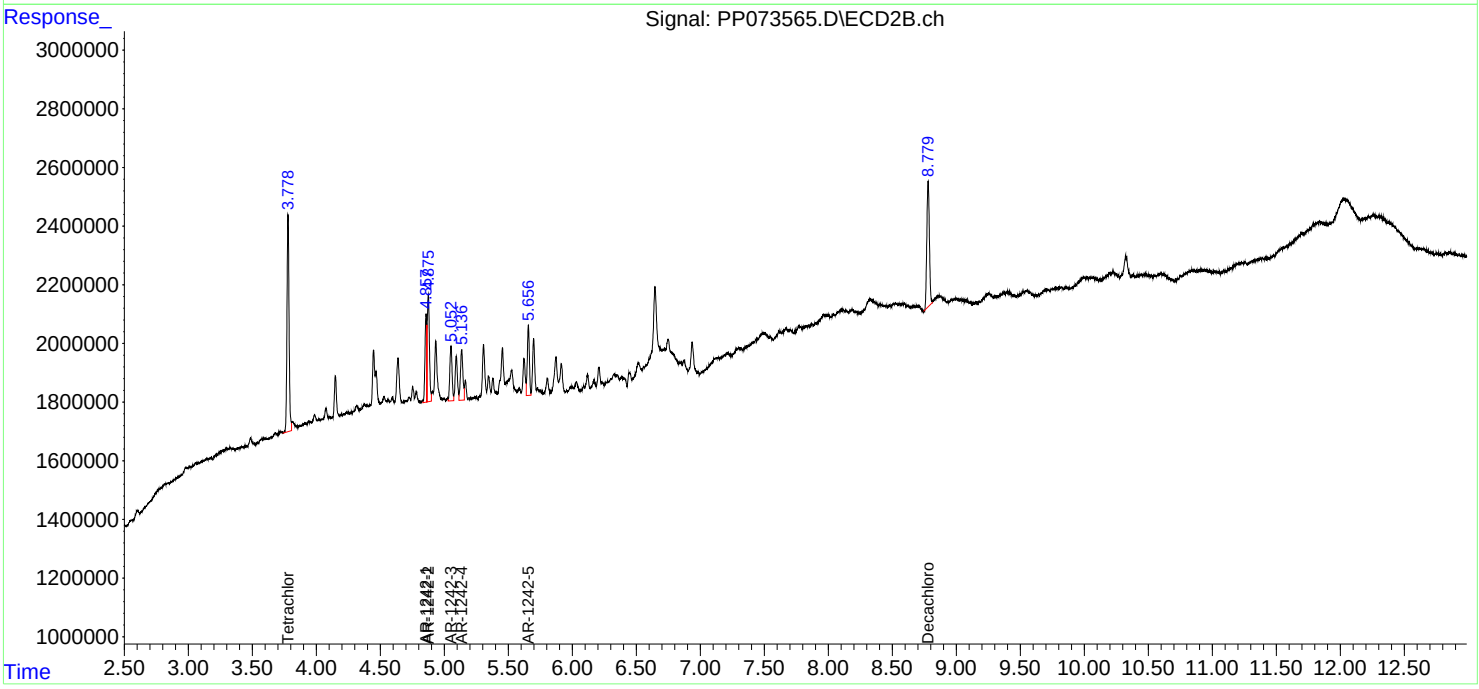
Manual Integrations APPROVED

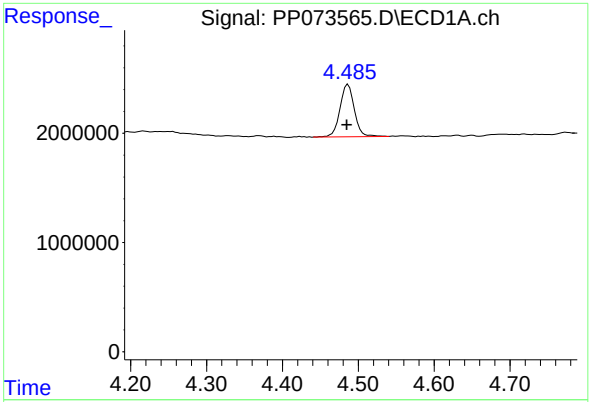
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:05:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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







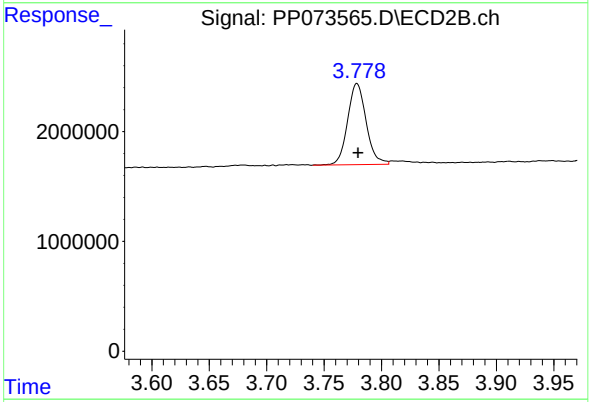
#1 Tetrachloro-m-xylene

R.T.: 4.487 min
Delta R.T.: 0.002 min
Response: 6312847
Conc: 4.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

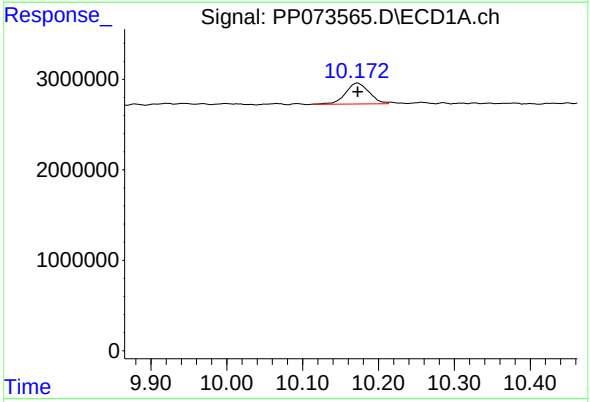
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



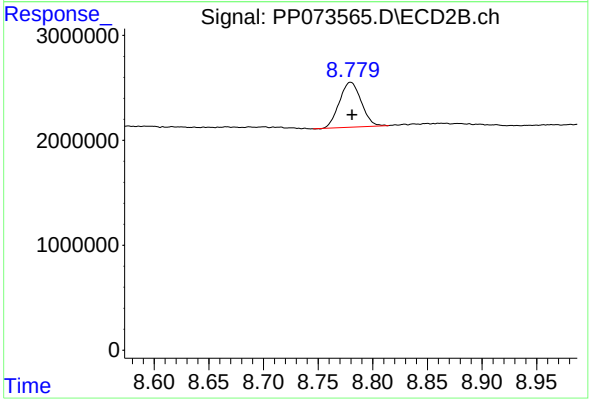
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 8330986
Conc: 4.40 ng/ml



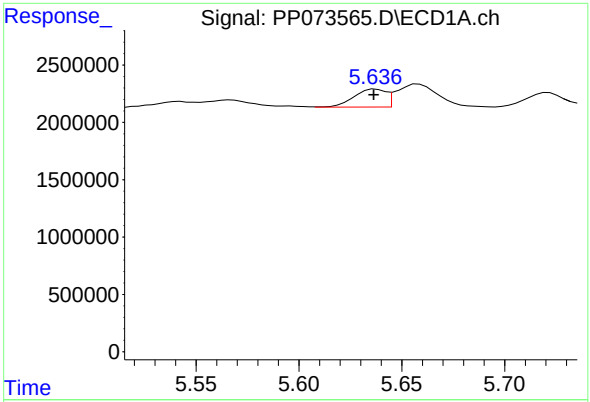
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: 0.000 min
Response: 4963140
Conc: 4.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.780 min
Delta R.T.: -0.001 min
Response: 5974096
Conc: 4.42 ng/ml



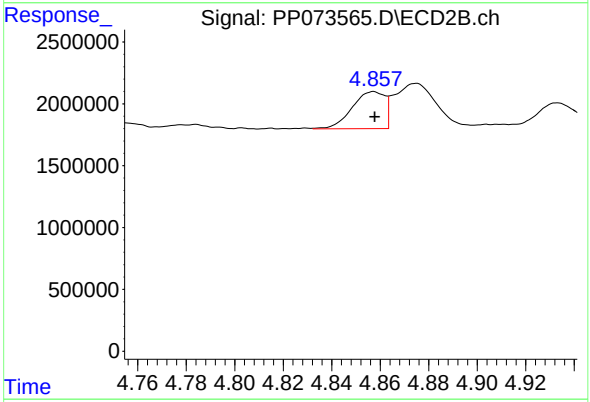
#16 AR-1242-1

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 1573661
Conc: 38.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

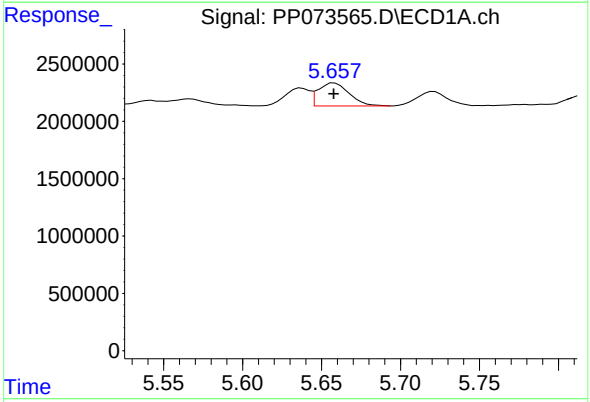
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



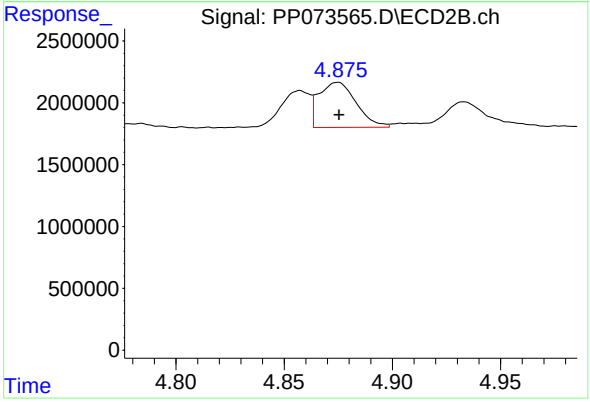
#16 AR-1242-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 2804106
Conc: 46.47 ng/ml



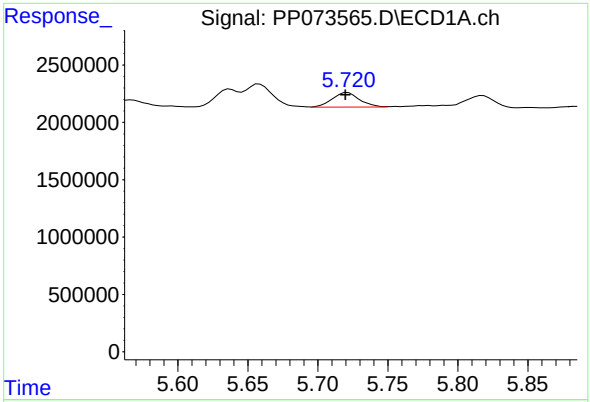
#17 AR-1242-2

R.T.: 5.657 min
Delta R.T.: -0.001 min
Response: 2642334
Conc: 41.85 ng/ml m



#17 AR-1242-2

R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 4375880
Conc: 49.21 ng/ml



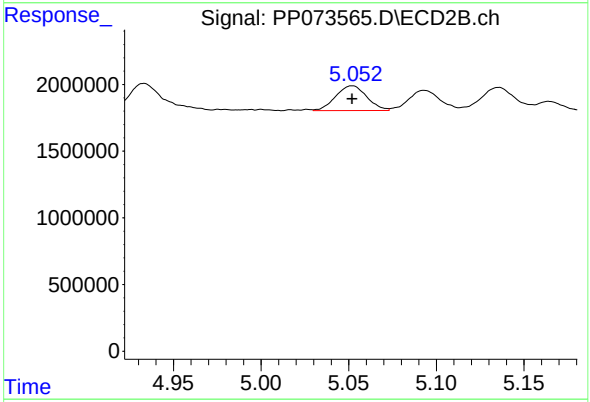
#18 AR-1242-3

R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 1729292
Conc: 45.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

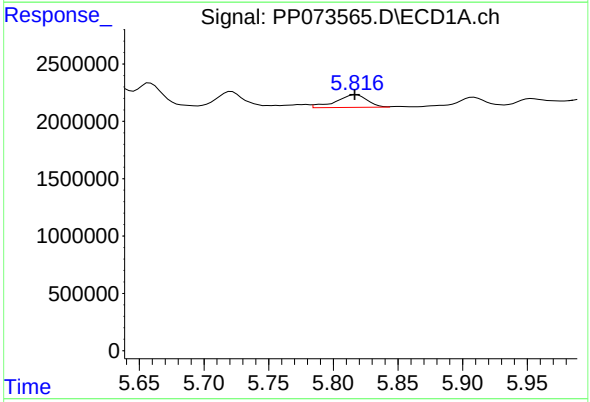
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



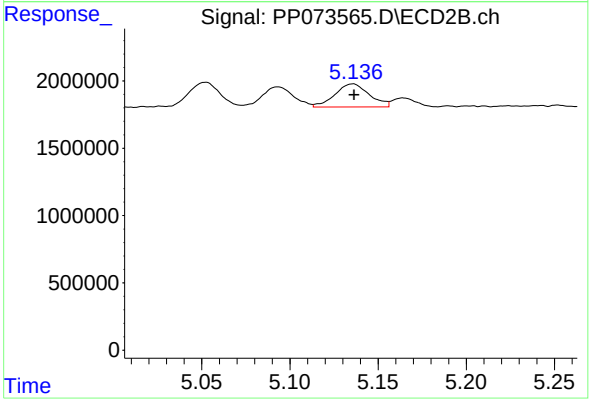
#18 AR-1242-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 2296207
Conc: 48.26 ng/ml



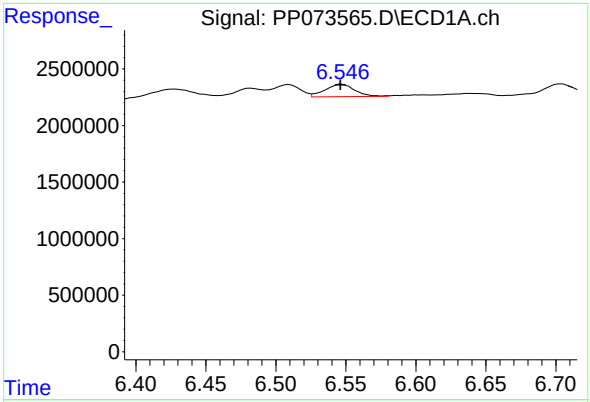
#19 AR-1242-4

R.T.: 5.818 min
Delta R.T.: 0.001 min
Response: 1851147
Conc: 58.32 ng/ml



#19 AR-1242-4

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 2337623
Conc: 51.81 ng/ml



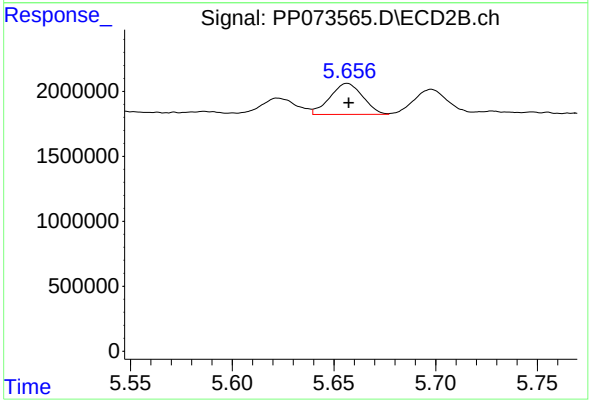
#20 AR-1242-5

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 1593566
Conc: 47.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#20 AR-1242-5

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 2688857
Conc: 47.12 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:19
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:20:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.779	132.2E6	185.5E6	93.396	97.125
2)	SA Decachlor...	10.176	8.781	109.8E6	129.8E6	95.885	95.444
	Target Compounds						
21)	L5 AR-1248-1	5.639	4.857	29290065	41993150	931.027	929.349
22)	L5 AR-1248-2	5.910	5.093	37625323	55737799	928.212	900.609
23)	L5 AR-1248-3	6.112	5.136	43927993	58429721	953.396	907.187
24)	L5 AR-1248-4	6.510	5.307	53376796	68661033	934.019	911.732
25)	L5 AR-1248-5	6.549	5.698	51803368	69725277	929.059	912.356

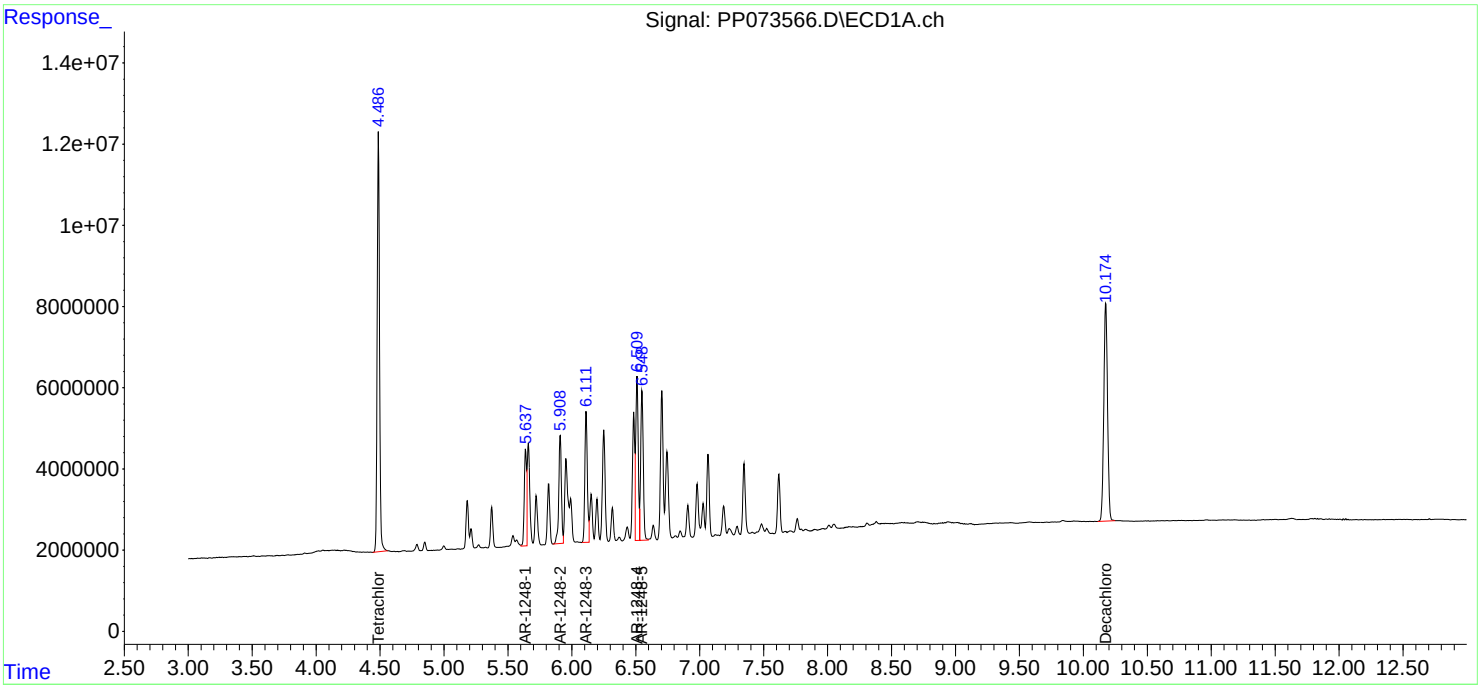
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

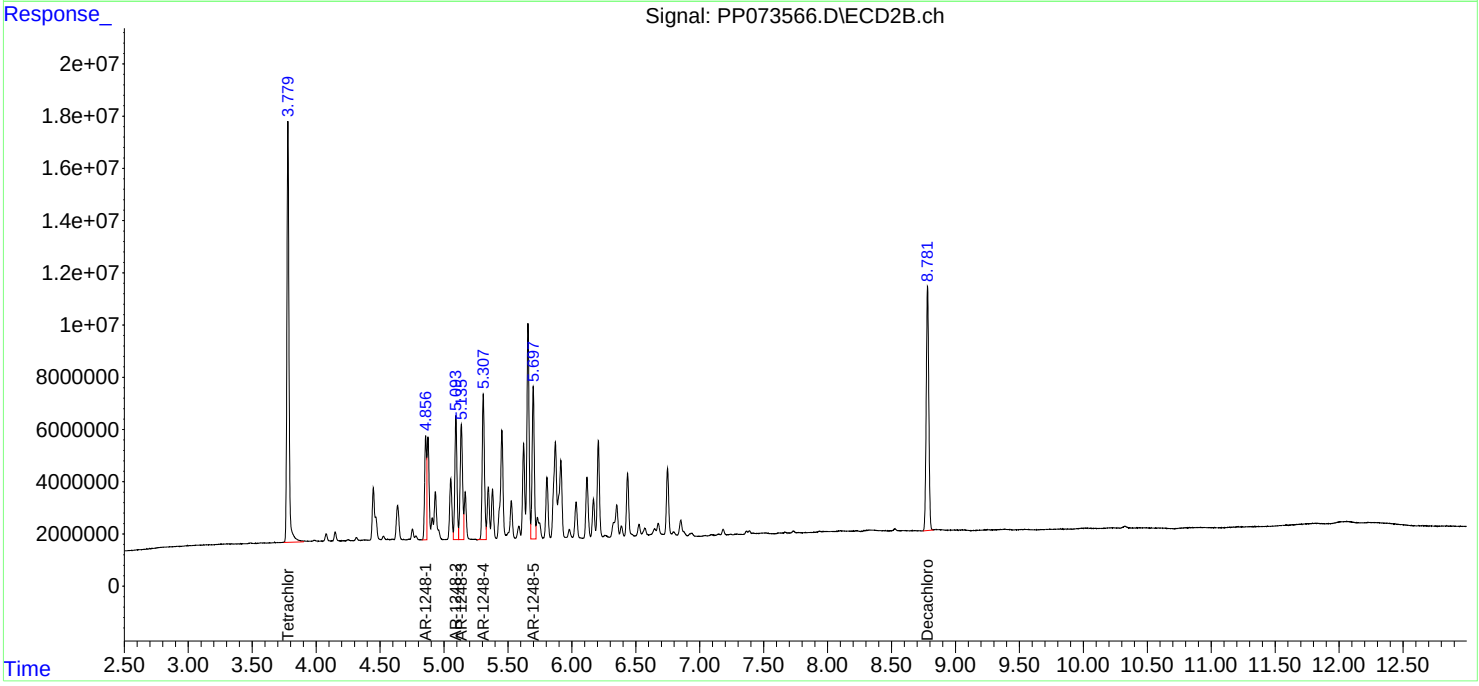
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:19
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

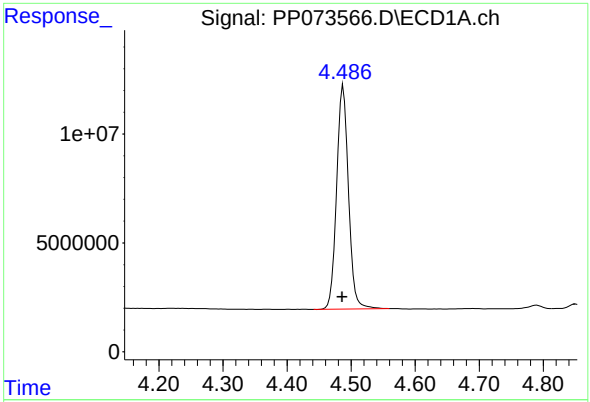
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:20:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



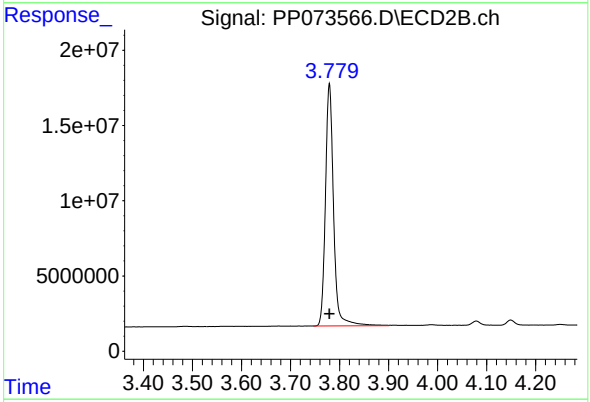




#1 Tetrachloro-m-xylene

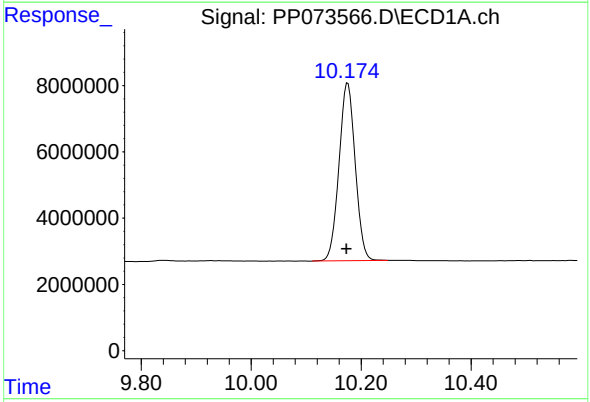
R.T.: 4.488 min
Delta R.T.: 0.002 min
Response: 132195442
Conc: 93.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



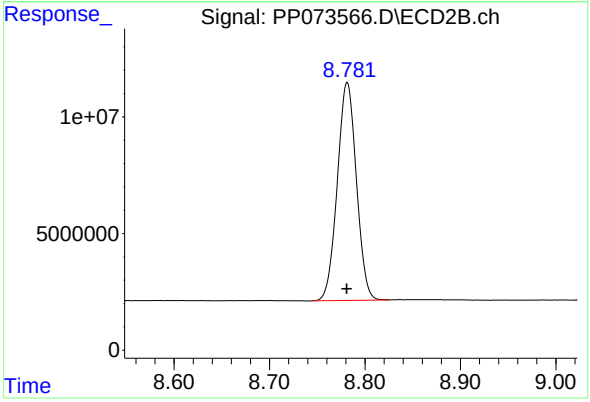
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 185548603
Conc: 97.12 ng/ml



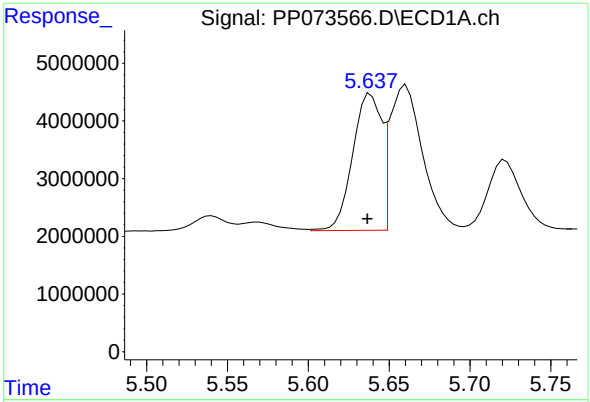
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.002 min
Response: 109801693
Conc: 95.88 ng/ml



#2 Decachlorobiphenyl

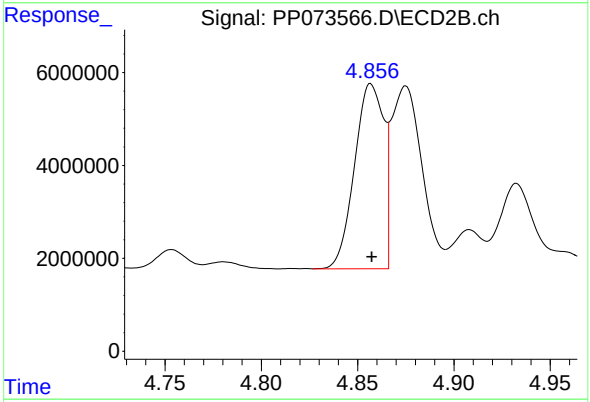
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 129838240
Conc: 95.44 ng/ml



#21 AR-1248-1

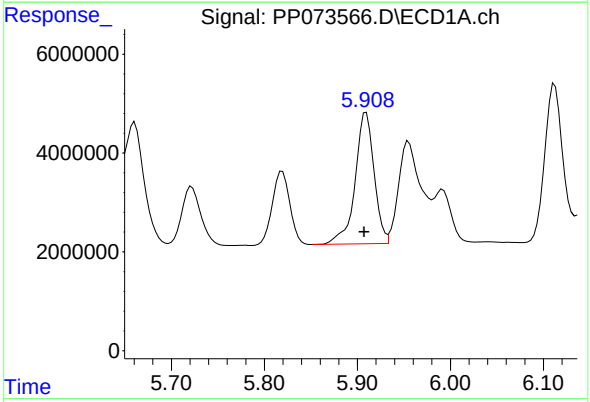
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 29290065
Conc: 931.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



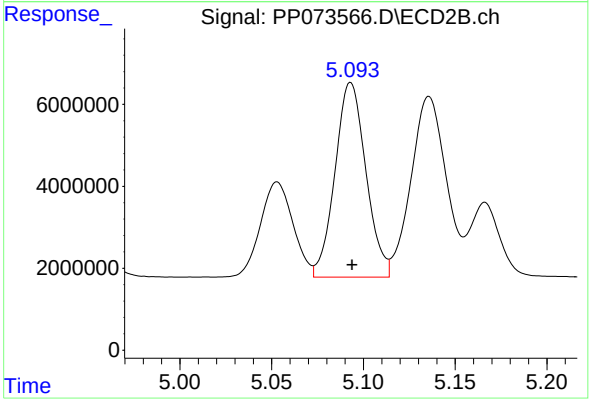
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 41993150
Conc: 929.35 ng/ml



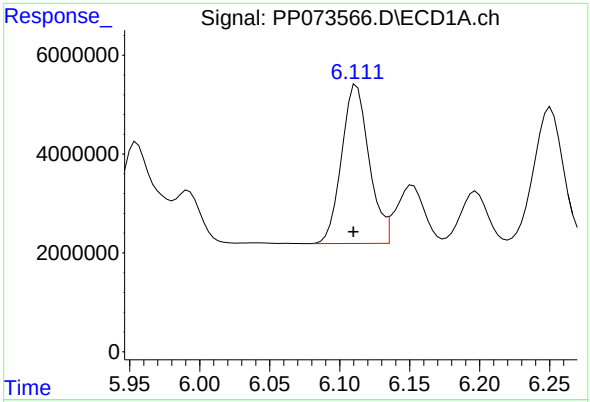
#22 AR-1248-2

R.T.: 5.910 min
Delta R.T.: 0.002 min
Response: 37625323
Conc: 928.21 ng/ml



#22 AR-1248-2

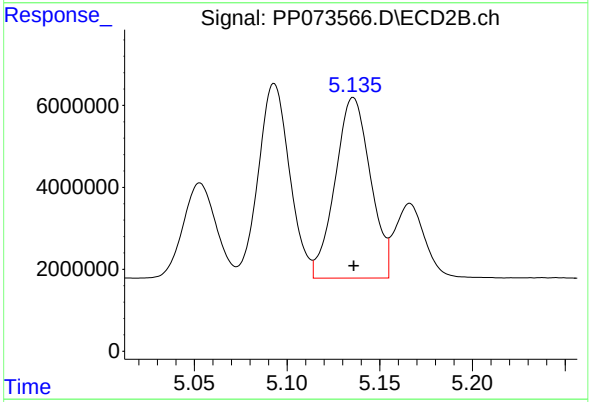
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 55737799
Conc: 900.61 ng/ml



#23 AR-1248-3

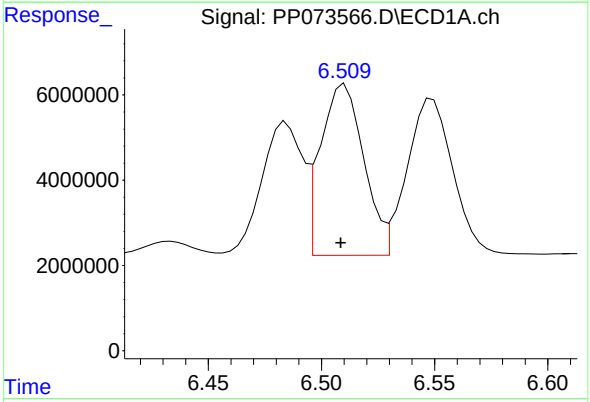
R.T.: 6.112 min
Delta R.T.: 0.002 min
Response: 43927993
Conc: 953.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



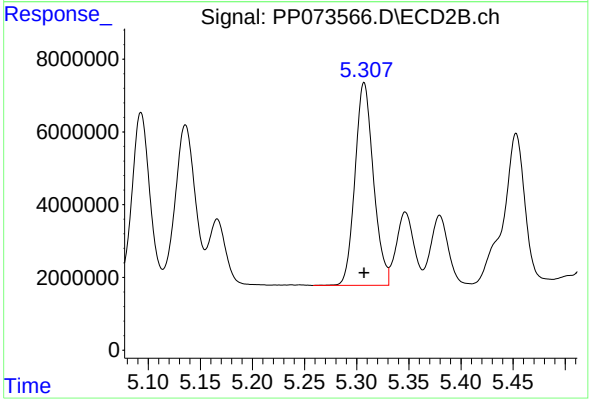
#23 AR-1248-3

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 58429721
Conc: 907.19 ng/ml



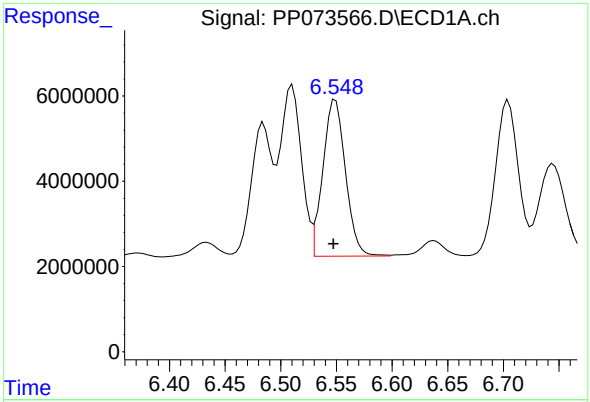
#24 AR-1248-4

R.T.: 6.510 min
Delta R.T.: 0.002 min
Response: 53376796
Conc: 934.02 ng/ml



#24 AR-1248-4

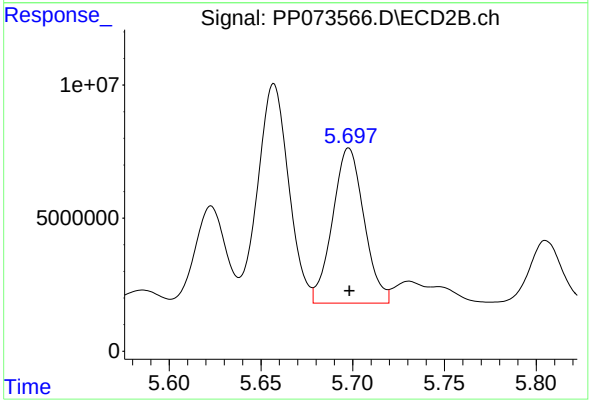
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 68661033
Conc: 911.73 ng/ml



#25 AR-1248-5

R.T.: 6.549 min
Delta R.T.: 0.002 min
Response: 51803368
Conc: 929.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 69725277
Conc: 912.36 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:35
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:21:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.779	102.8E6	139.9E6	72.663	73.239
2)	SA Decachlor...	10.178	8.781	84981366	104.5E6	74.210	76.789
	Target Compounds						
21)	L5 AR-1248-1	5.639	4.858	22755547	32692852	723.318	723.525
22)	L5 AR-1248-2	5.911	5.094	29802657	43939758	735.228	709.977
23)	L5 AR-1248-3	6.113	5.135	34385217	45992259	746.283	714.081
24)	L5 AR-1248-4	6.511	5.307	41943849	54019844	733.958	717.315
25)	L5 AR-1248-5	6.551	5.698	40278207	54907819	722.363	718.469

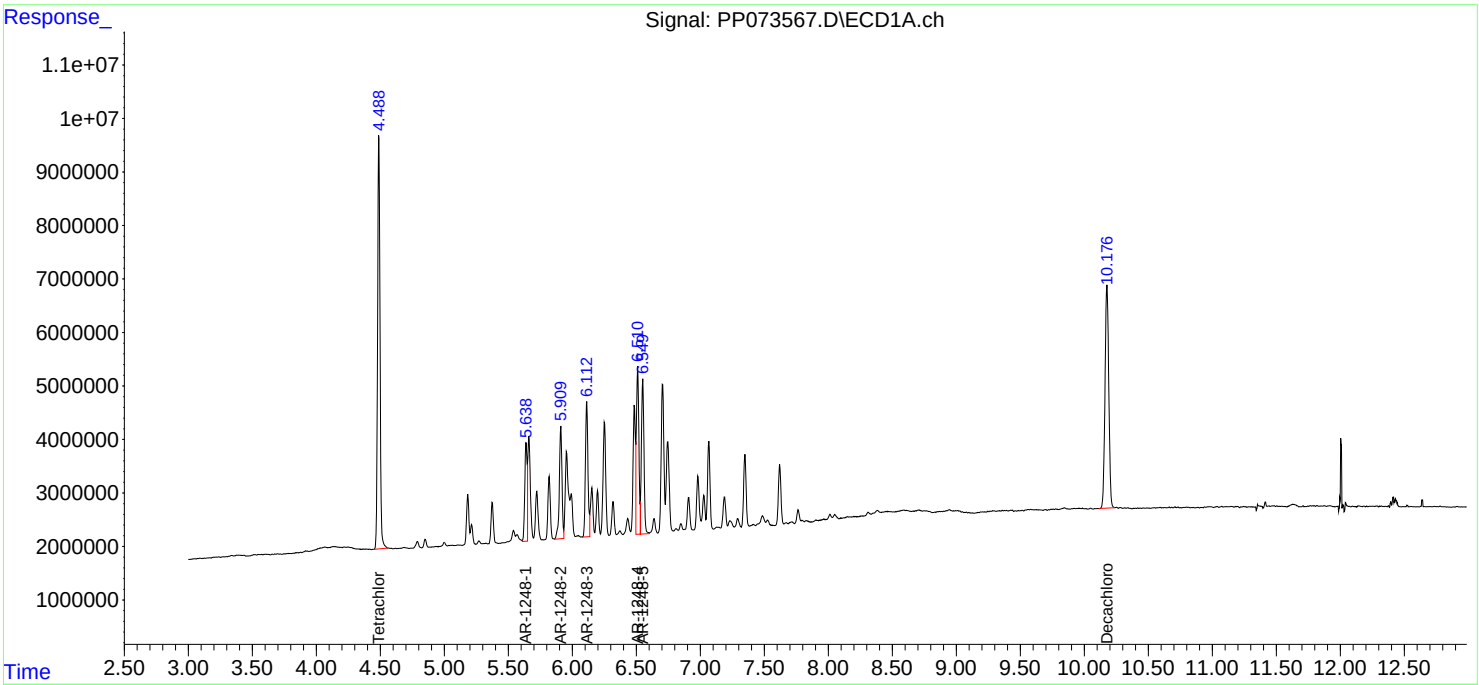
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

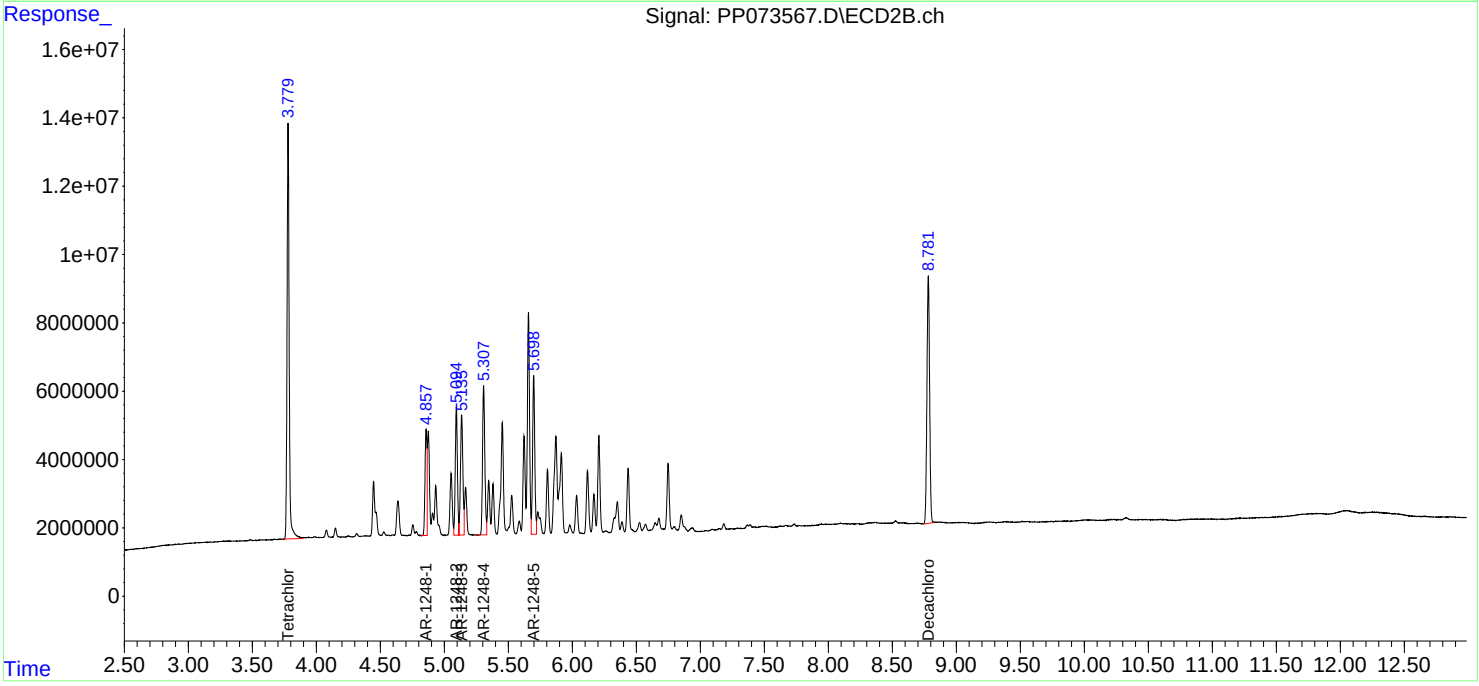
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:35
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

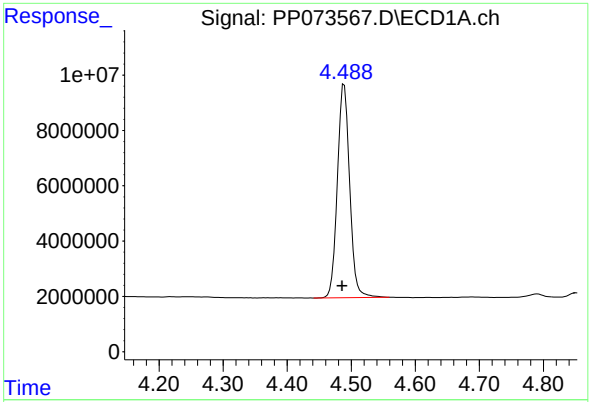
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:21:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



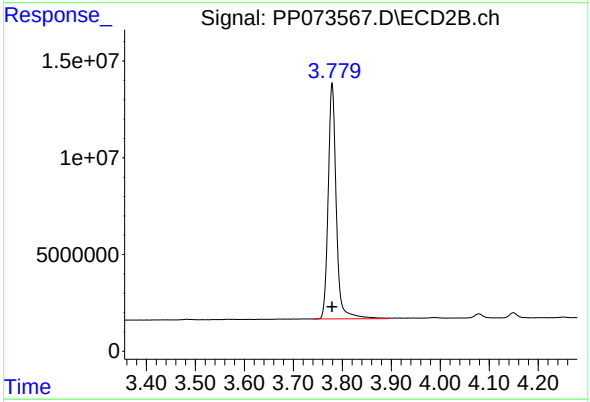




#1 Tetrachloro-m-xylene

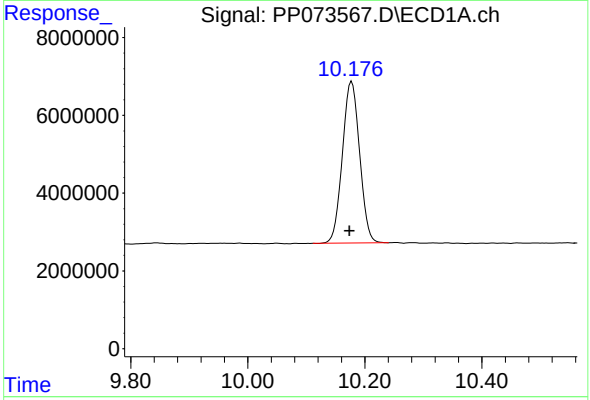
R.T.: 4.489 min
Delta R.T.: 0.003 min
Response: 102849476
Conc: 72.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



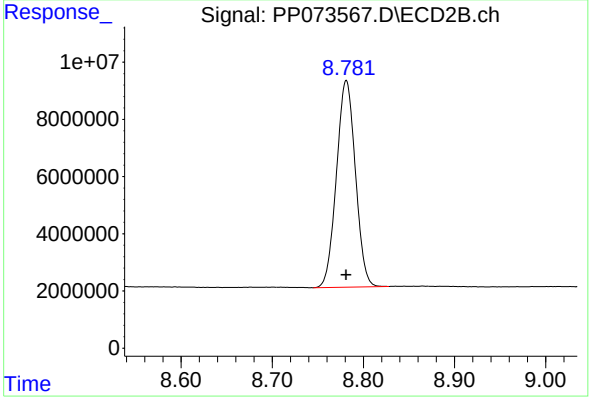
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 139916989
Conc: 73.24 ng/ml



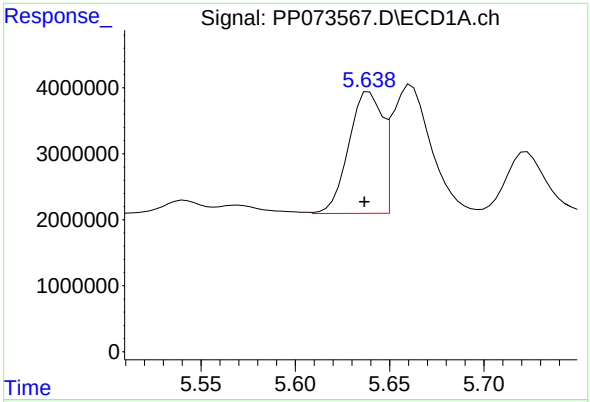
#2 Decachlorobiphenyl

R.T.: 10.178 min
Delta R.T.: 0.004 min
Response: 84981366
Conc: 74.21 ng/ml



#2 Decachlorobiphenyl

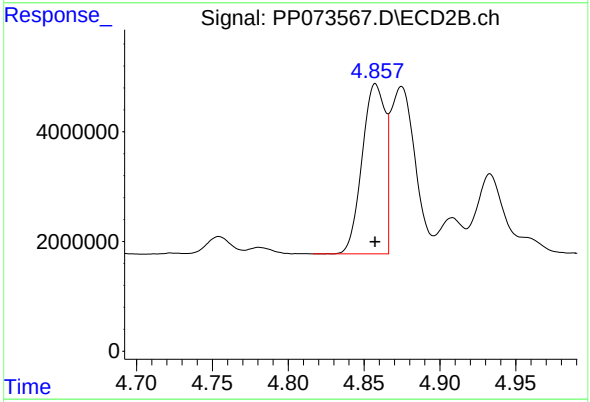
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 104460409
Conc: 76.79 ng/ml



#21 AR-1248-1

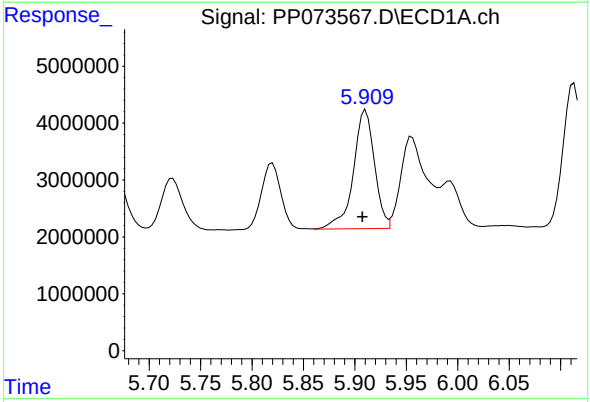
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 22755547
Conc: 723.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



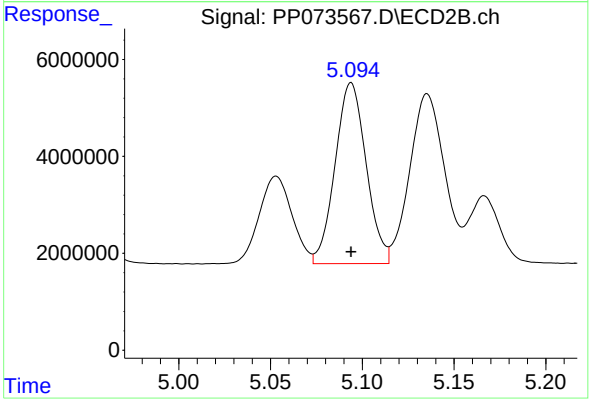
#21 AR-1248-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 32692852
Conc: 723.52 ng/ml



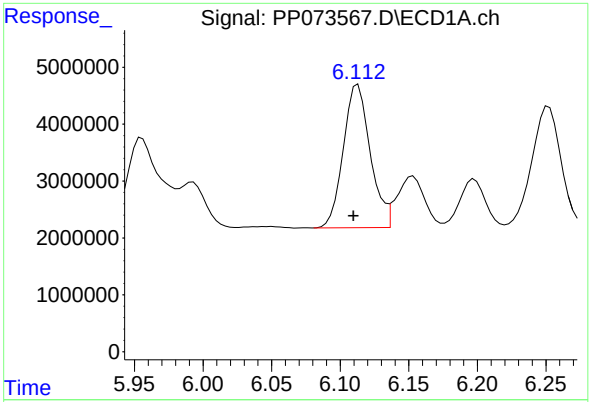
#22 AR-1248-2

R.T.: 5.911 min
Delta R.T.: 0.003 min
Response: 29802657
Conc: 735.23 ng/ml



#22 AR-1248-2

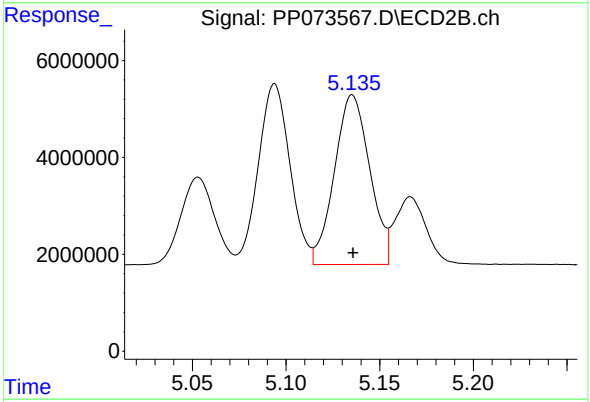
R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 43939758
Conc: 709.98 ng/ml



#23 AR-1248-3

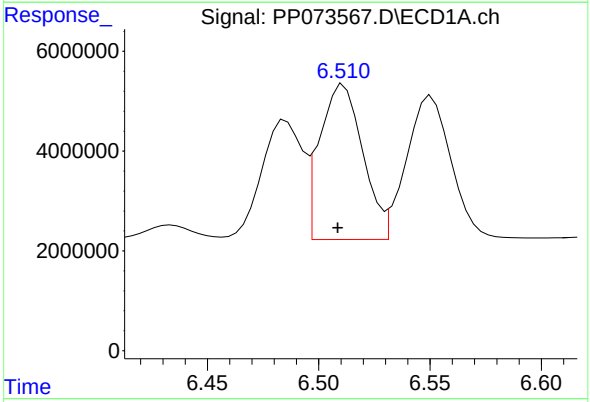
R.T.: 6.113 min
Delta R.T.: 0.003 min
Response: 34385217
Conc: 746.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



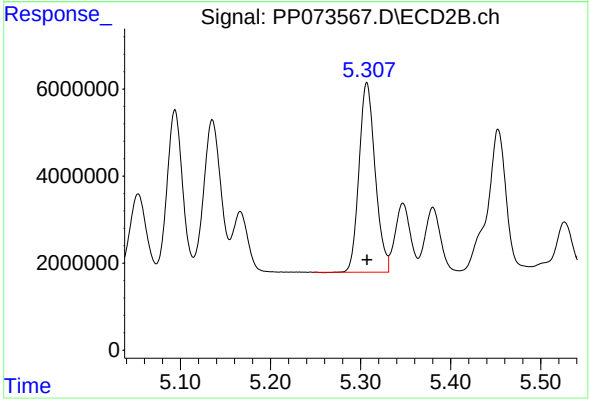
#23 AR-1248-3

R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 45992259
Conc: 714.08 ng/ml



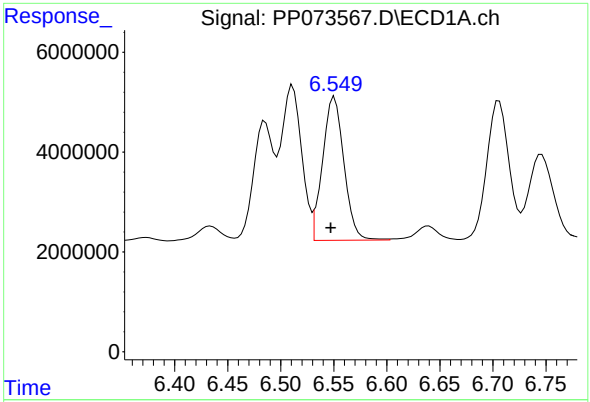
#24 AR-1248-4

R.T.: 6.511 min
Delta R.T.: 0.003 min
Response: 41943849
Conc: 733.96 ng/ml



#24 AR-1248-4

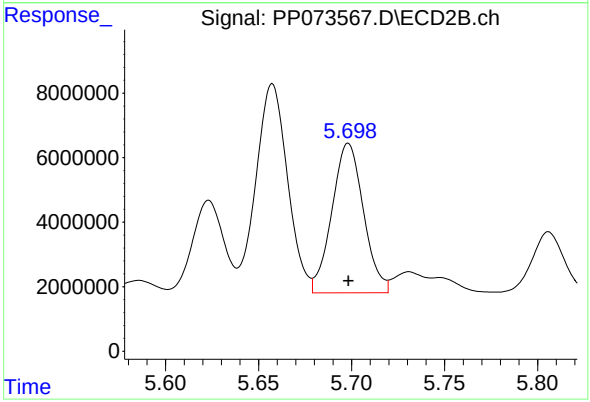
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 54019844
Conc: 717.32 ng/ml



#25 AR-1248-5

R.T.: 6.551 min
Delta R.T.: 0.003 min
Response: 40278207
Conc: 722.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 54907819
Conc: 718.47 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:52
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:21:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.486	3.779	70771652	95520830	50.000	50.000
2)	SA Decachlor...	10.174	8.781	57257196	68017781	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.637	4.857	15729968	22592772	500.000	500.000
22)	L5 AR-1248-2	5.907	5.094	20267627	30944510	500.000	500.000
23)	L5 AR-1248-3	6.110	5.136	23037645	32203795	500.000	500.000
24)	L5 AR-1248-4	6.509	5.307	28573723	37654186	500.000	500.000
25)	L5 AR-1248-5	6.547	5.698	27879471	38211657	500.000	500.000

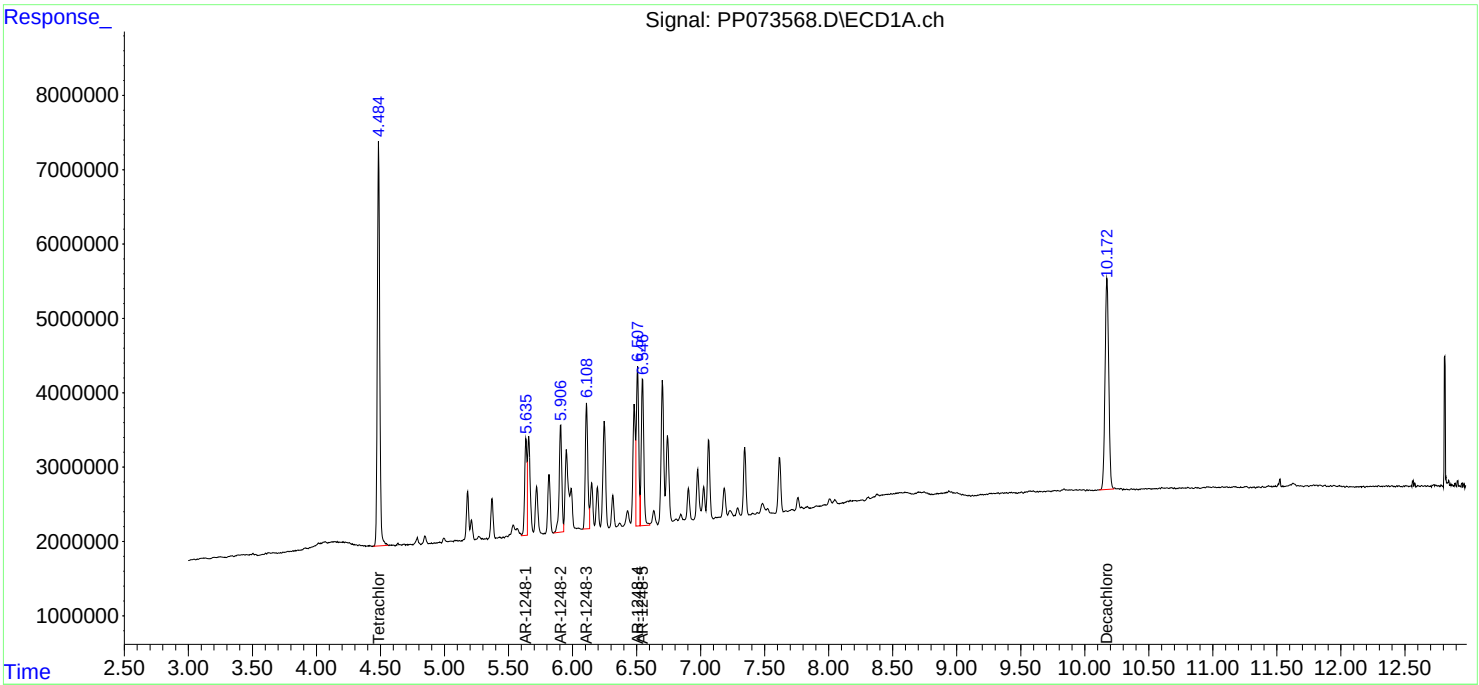
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

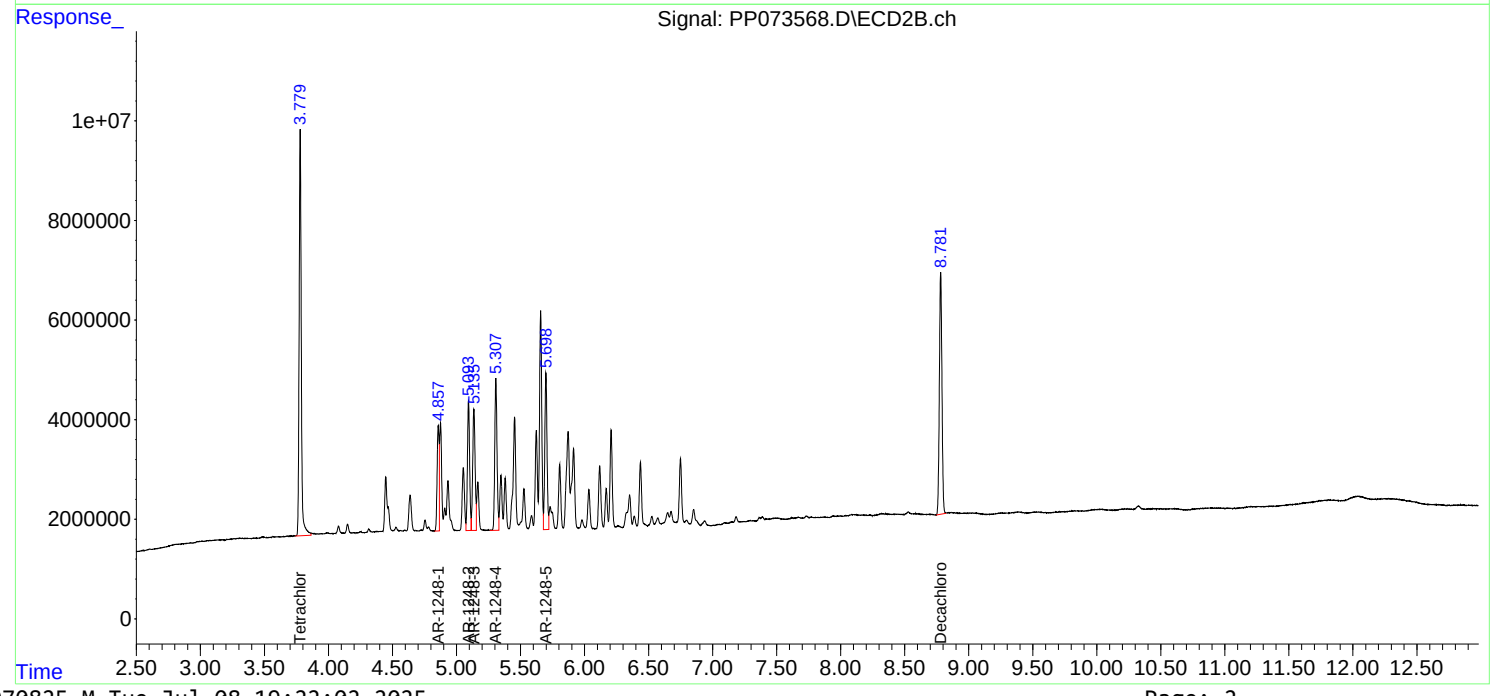
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:52
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

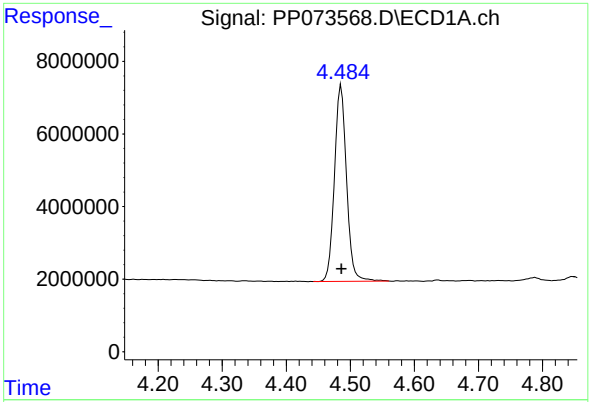
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:21:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



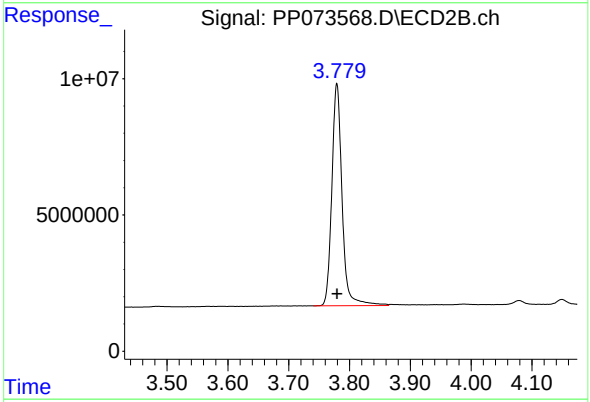




#1 Tetrachloro-m-xylene

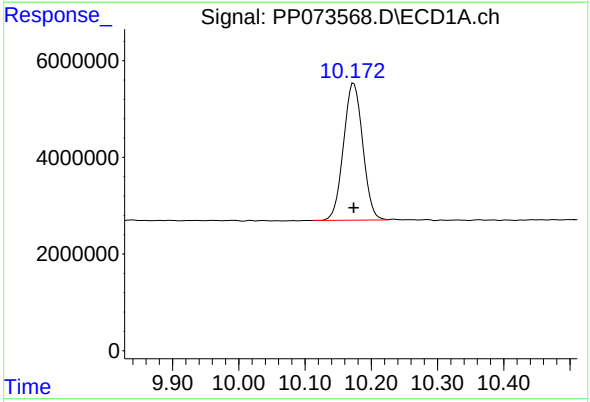
R.T.: 4.486 min
Delta R.T.: 0.000 min
Response: 70771652
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



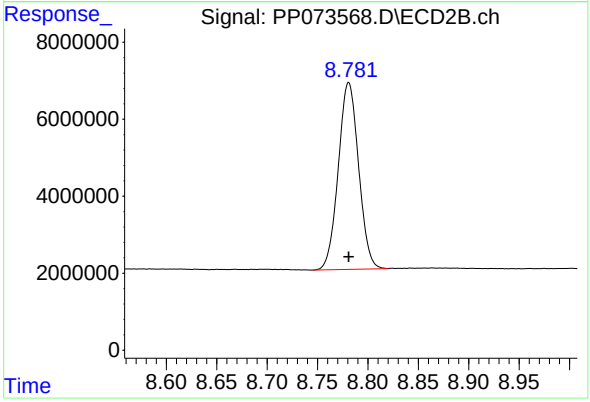
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 95520830
Conc: 50.00 ng/ml



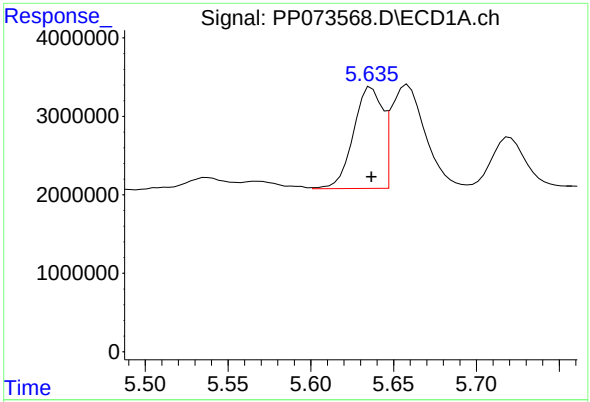
#2 Decachlorobiphenyl

R.T.: 10.174 min
Delta R.T.: 0.000 min
Response: 57257196
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

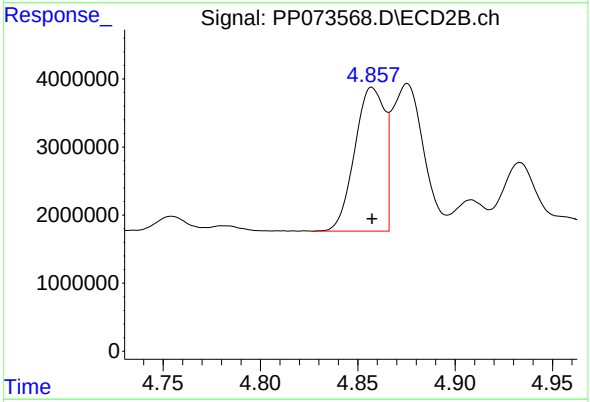
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 68017781
Conc: 50.00 ng/ml



#21 AR-1248-1

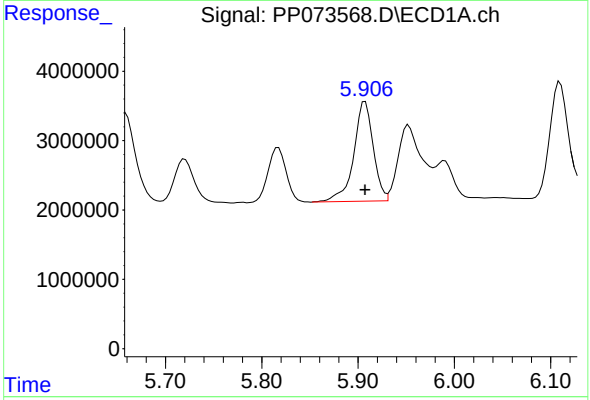
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 15729968
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



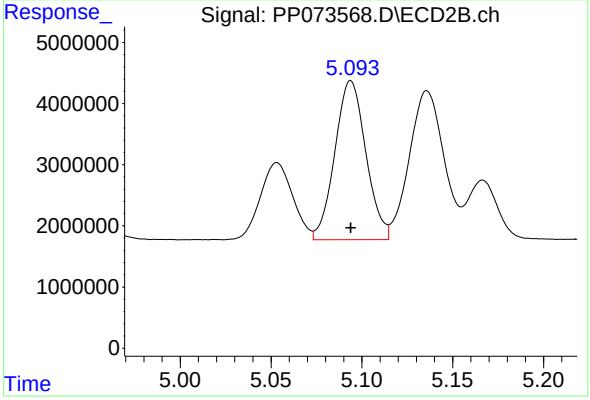
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 22592772
Conc: 500.00 ng/ml



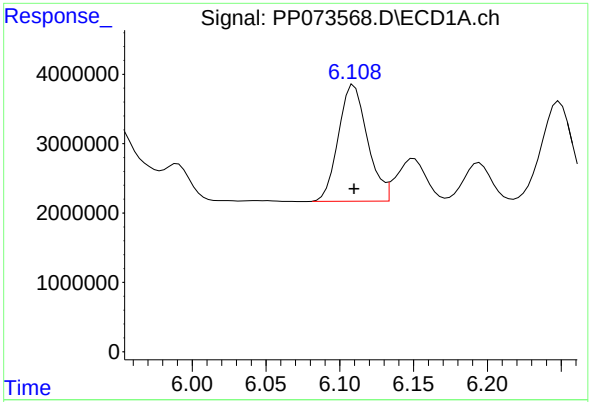
#22 AR-1248-2

R.T.: 5.907 min
Delta R.T.: 0.000 min
Response: 20267627
Conc: 500.00 ng/ml



#22 AR-1248-2

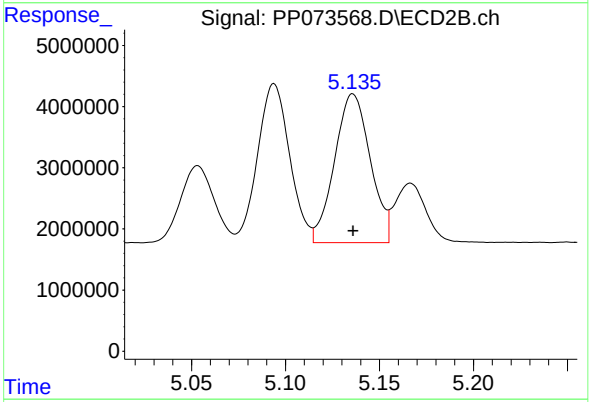
R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 30944510
Conc: 500.00 ng/ml



#23 AR-1248-3

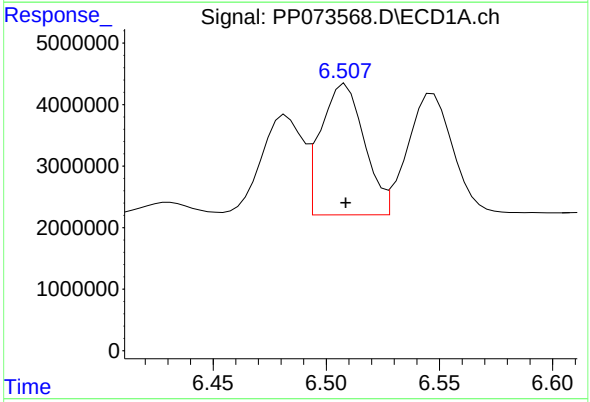
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 23037645
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



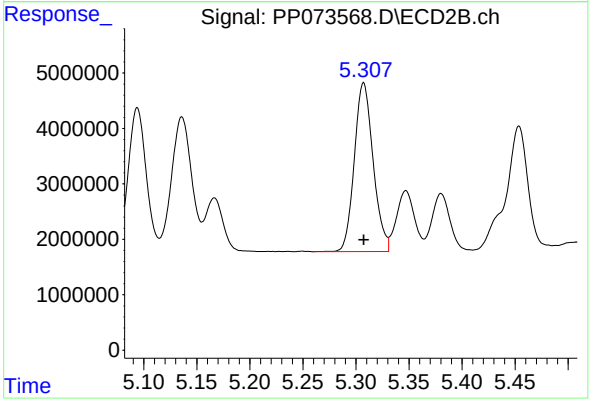
#23 AR-1248-3

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 32203795
Conc: 500.00 ng/ml



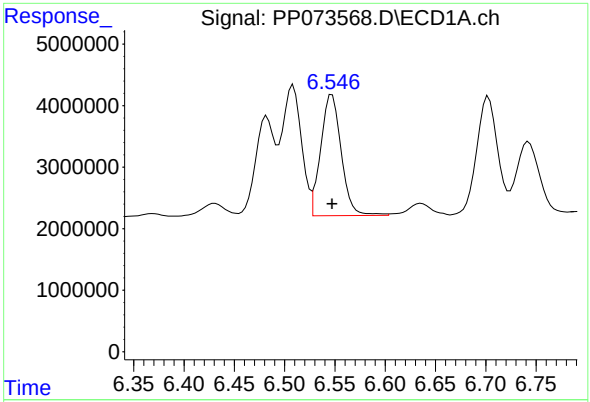
#24 AR-1248-4

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 28573723
Conc: 500.00 ng/ml



#24 AR-1248-4

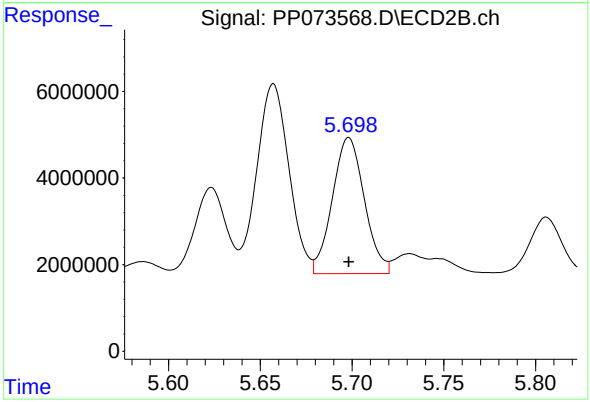
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 37654186
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 27879471
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 38211657
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:08
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:22:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.490	3.779	36421864	49176634	25.732	25.741
2)	SA Decachlor...	10.178	8.780	29322870	36021021	25.606	26.479
	Target Compounds						
21)	L5 AR-1248-1	5.640	4.857	8580276	12460998	272.737	275.774
22)	L5 AR-1248-2	5.912	5.093	11018738	16676734	271.831	269.462
23)	L5 AR-1248-3	6.114	5.136	12142276	17367378	263.531	269.648
24)	L5 AR-1248-4	6.513	5.307	14943654	20433630	261.493	271.333
25)	L5 AR-1248-5	6.552	5.698	14485646	20424181	259.791	267.251

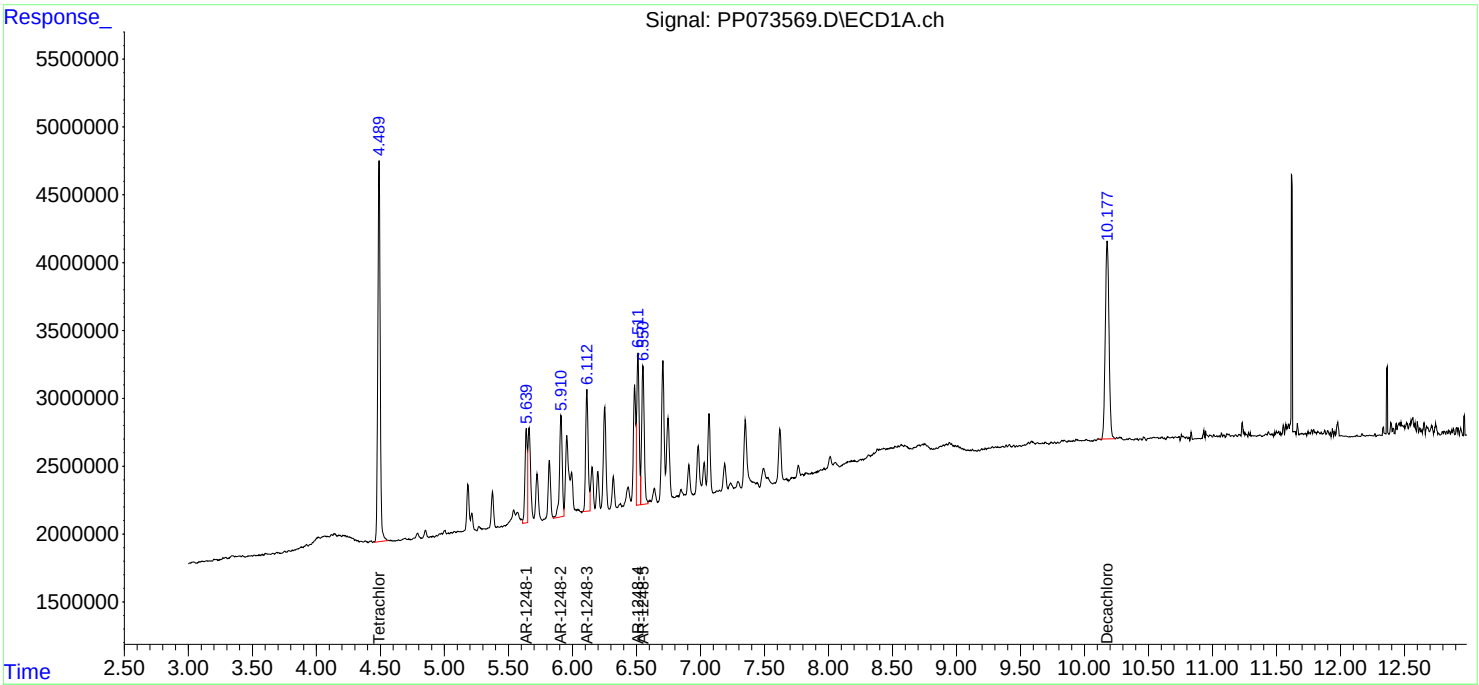
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

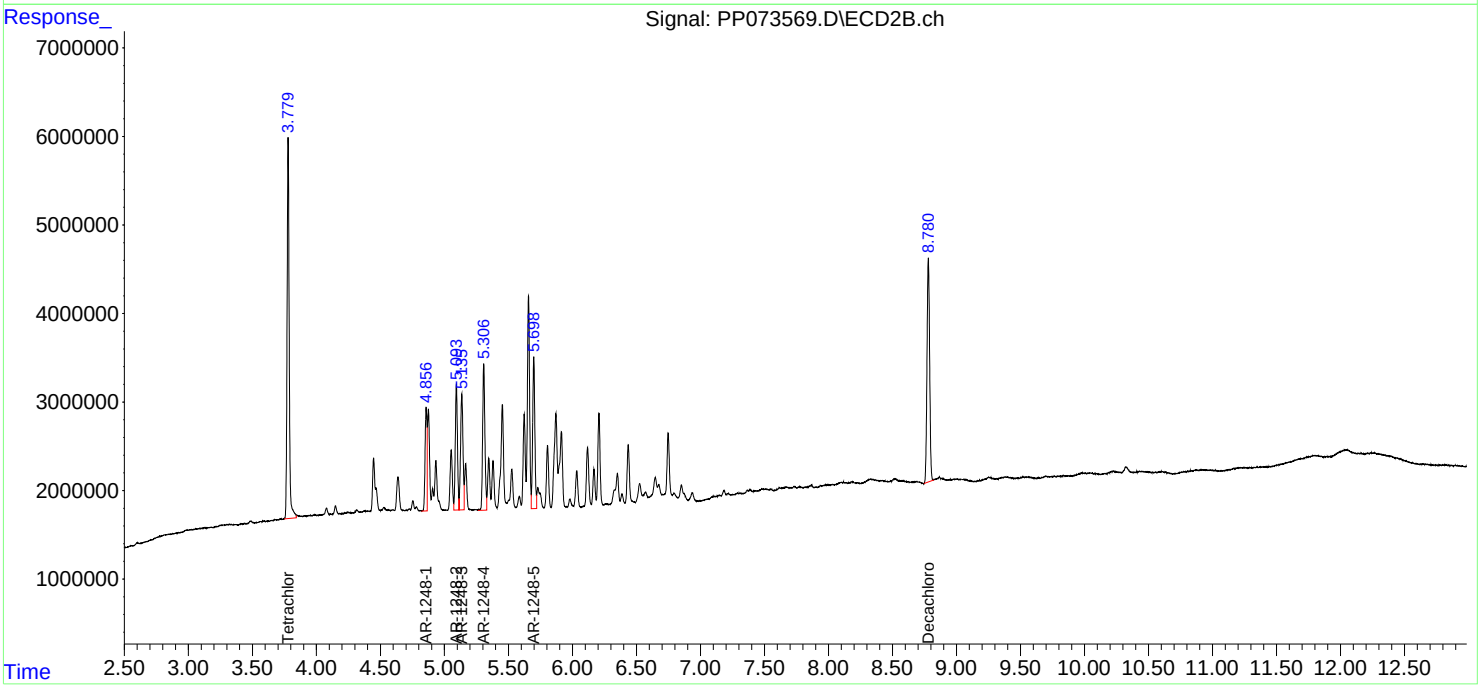
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:08
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

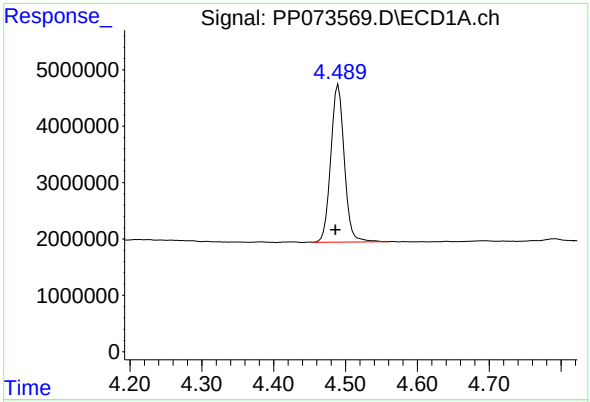
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:22:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



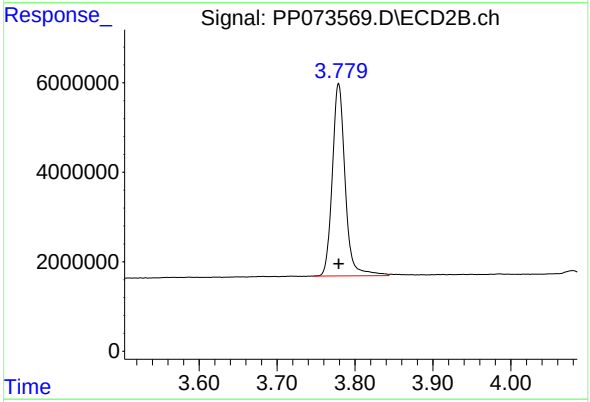




#1 Tetrachloro-m-xylene

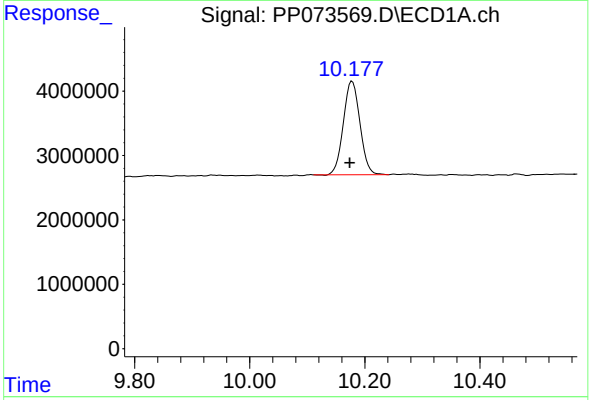
R.T.: 4.490 min
Delta R.T.: 0.004 min
Response: 36421864
Conc: 25.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



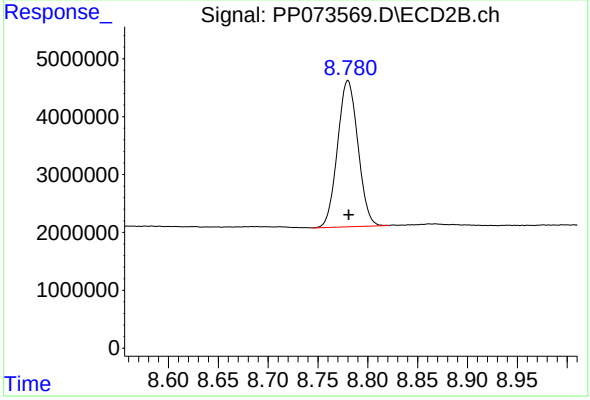
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 49176634
Conc: 25.74 ng/ml



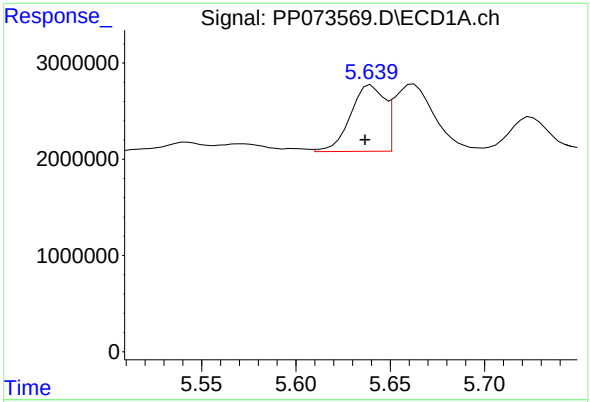
#2 Decachlorobiphenyl

R.T.: 10.178 min
Delta R.T.: 0.004 min
Response: 29322870
Conc: 25.61 ng/ml



#2 Decachlorobiphenyl

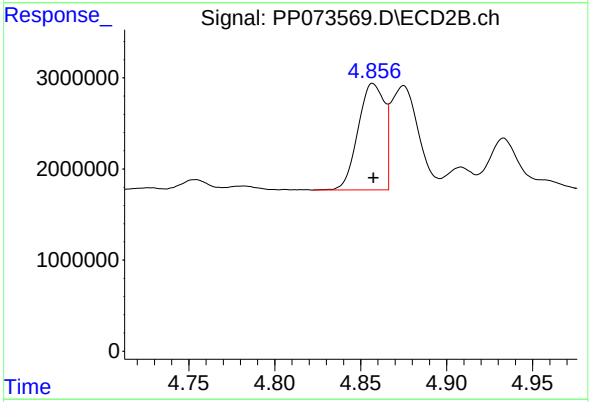
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 36021021
Conc: 26.48 ng/ml



#21 AR-1248-1

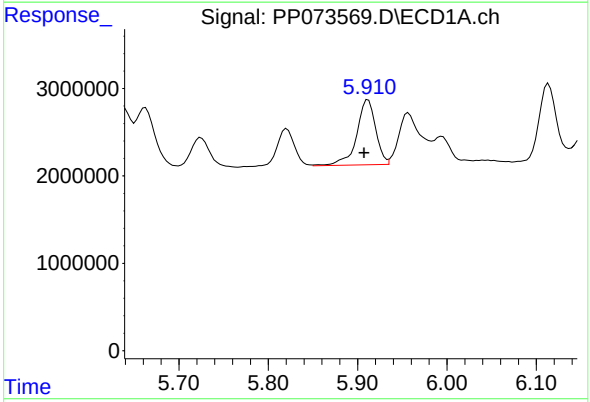
R.T.: 5.640 min
Delta R.T.: 0.003 min
Response: 8580276
Conc: 272.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



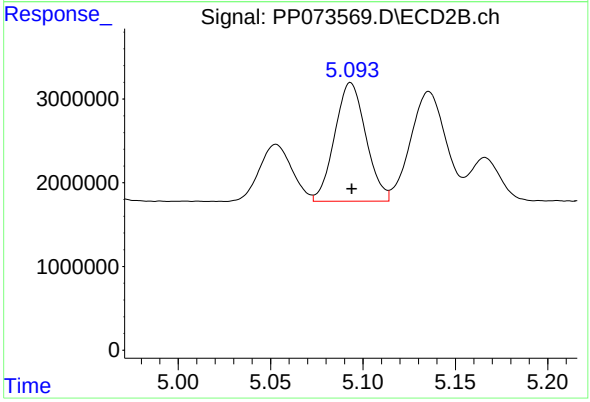
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 12460998
Conc: 275.77 ng/ml



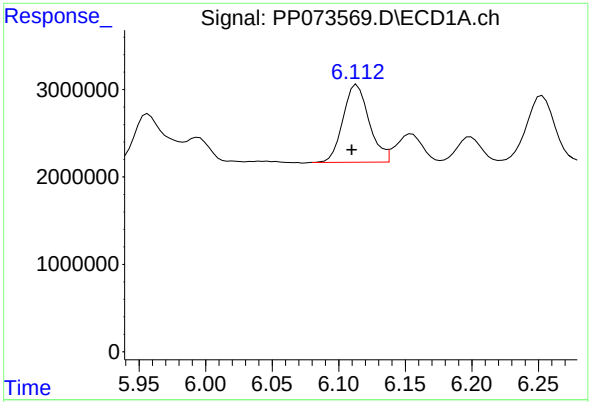
#22 AR-1248-2

R.T.: 5.912 min
Delta R.T.: 0.004 min
Response: 11018738
Conc: 271.83 ng/ml



#22 AR-1248-2

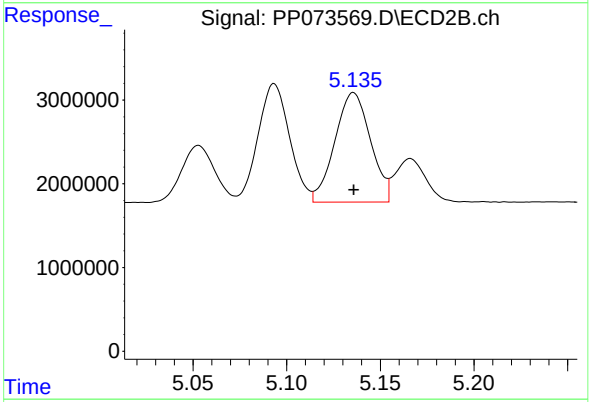
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 16676734
Conc: 269.46 ng/ml



#23 AR-1248-3

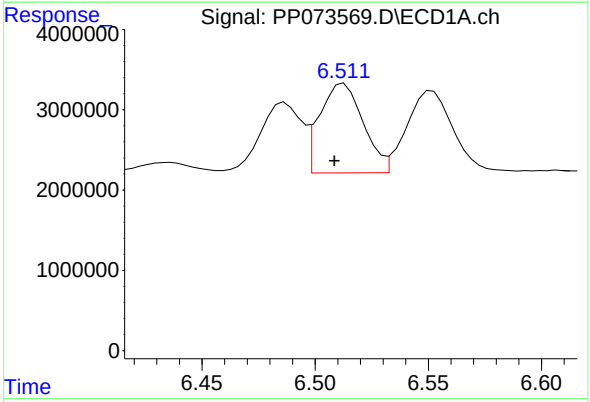
R.T.: 6.114 min
Delta R.T.: 0.004 min
Response: 12142276
Conc: 263.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



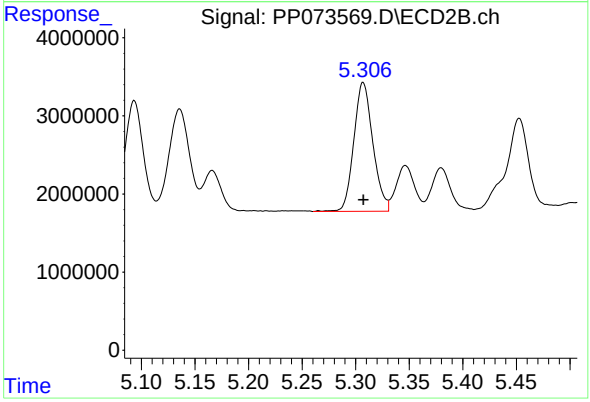
#23 AR-1248-3

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 17367378
Conc: 269.65 ng/ml



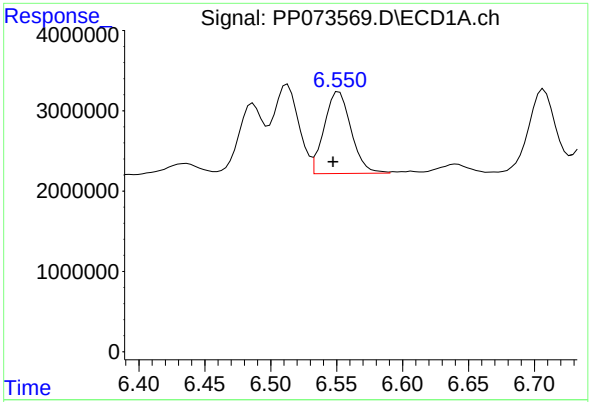
#24 AR-1248-4

R.T.: 6.513 min
Delta R.T.: 0.004 min
Response: 14943654
Conc: 261.49 ng/ml



#24 AR-1248-4

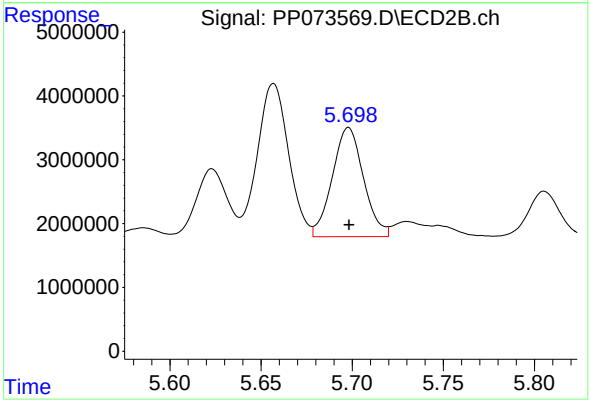
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 20433630
Conc: 271.33 ng/ml



#25 AR-1248-5

R.T.: 6.552 min
Delta R.T.: 0.005 min
Response: 14485646
Conc: 259.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 20424181
Conc: 267.25 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.779	6203851	8373290	4.383	4.383
2)	SA Decachlor...	10.173	8.780	4448332	5794229	3.885	4.259
	Target Compounds						
21)	L5 AR-1248-1	5.634	4.857	1447041	2193065	45.996m	48.535
22)	L5 AR-1248-2	5.906	5.093	1882218	3238127	46.434	52.322
23)	L5 AR-1248-3	6.108	5.135	1881440	3334641	40.834	51.774 #
24)	L5 AR-1248-4	6.506	5.307	2458929	3957834	43.028m	52.555
25)	L5 AR-1248-5	6.545	5.698	2487202	3594939	44.606m	47.040

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

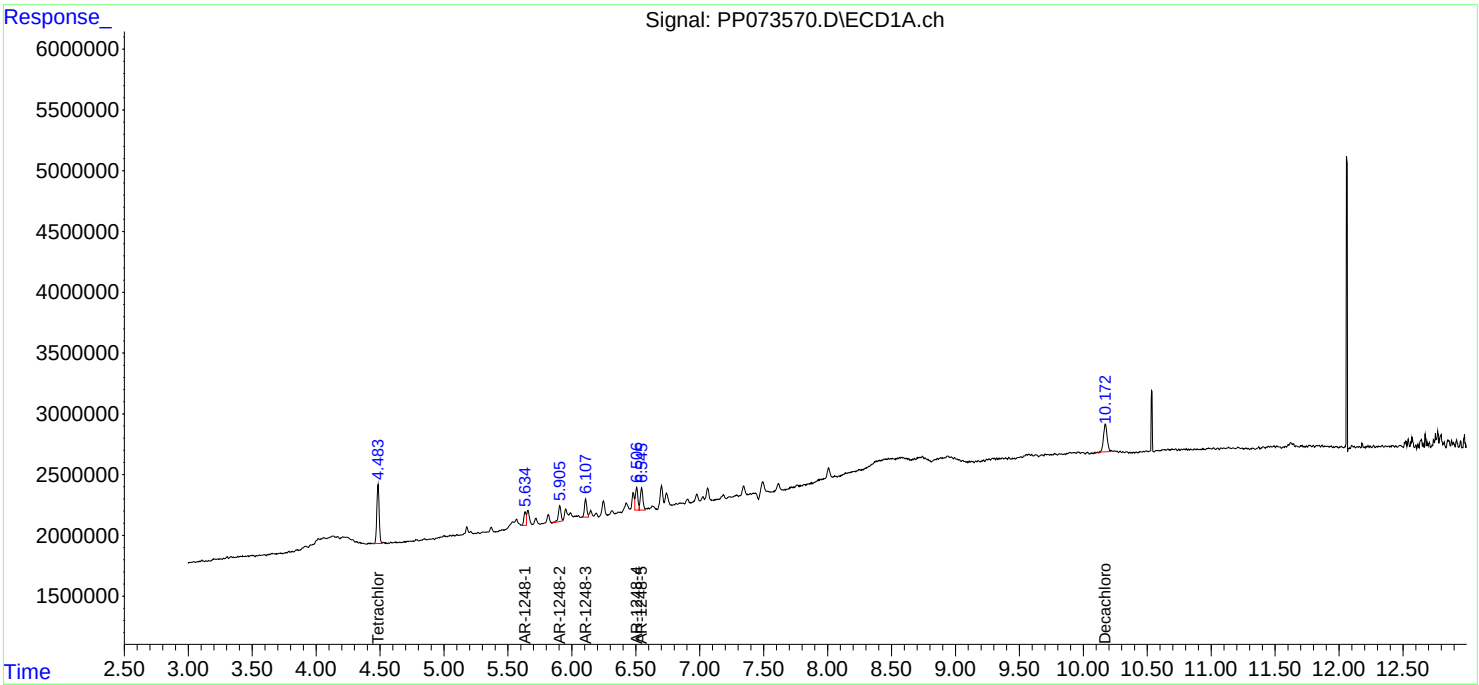
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

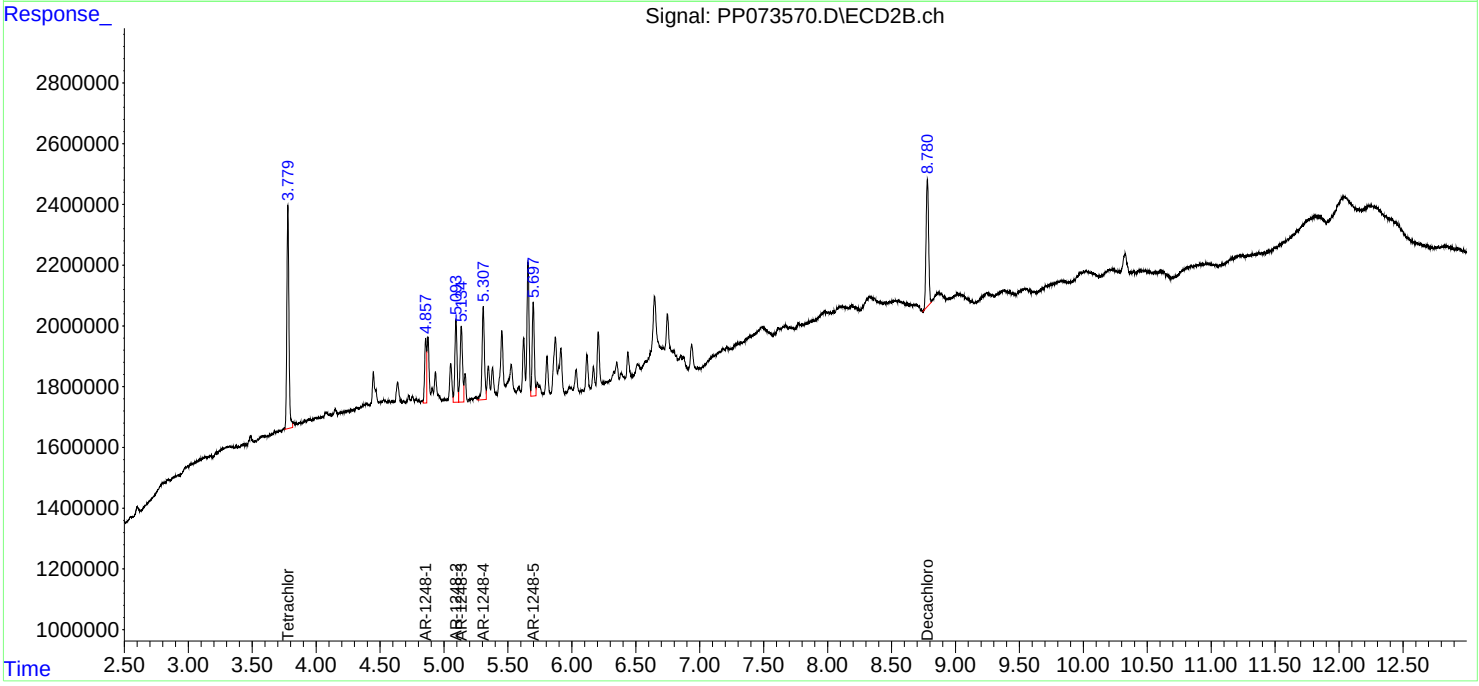
Manual Integrations APPROVED

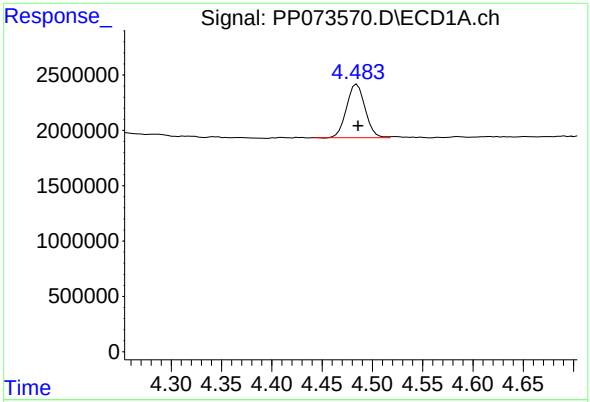
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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







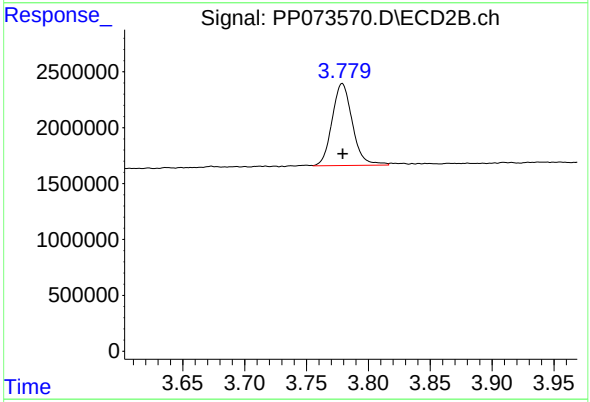
#1 Tetrachloro-m-xylene

R.T.: 4.485 min
Delta R.T.: -0.001 min
Response: 6203851
Conc: 4.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

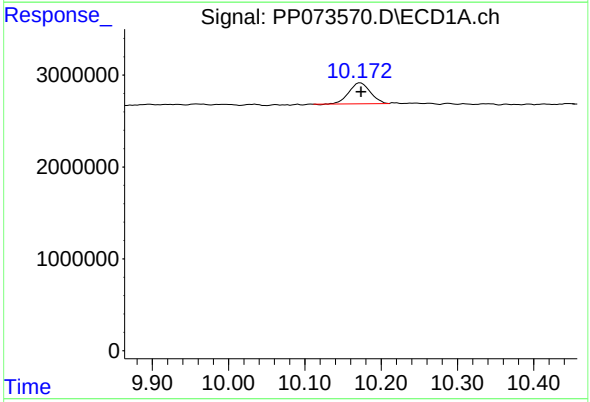
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



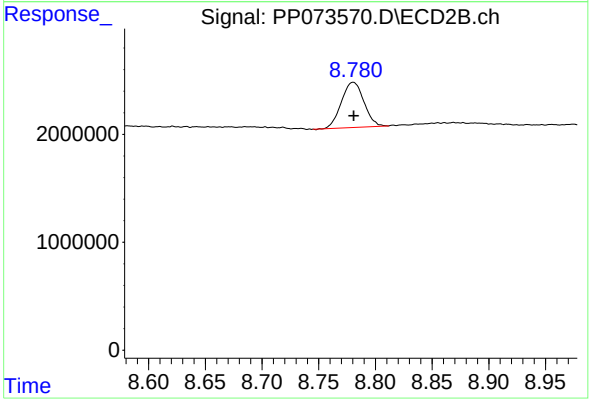
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 8373290
Conc: 4.38 ng/ml



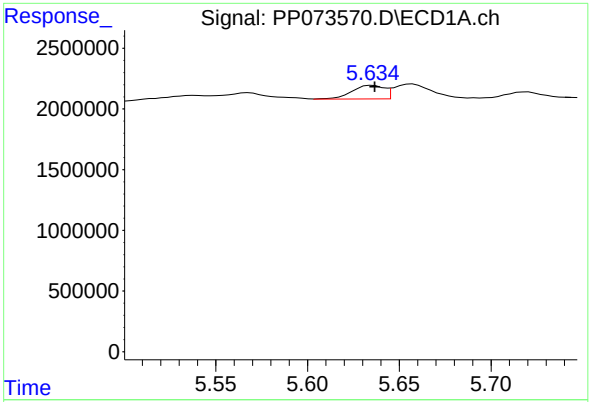
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: 0.000 min
Response: 4448332
Conc: 3.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 5794229
Conc: 4.26 ng/ml



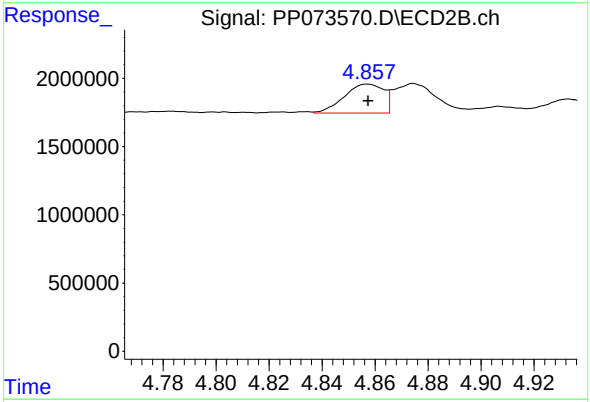
#21 AR-1248-1

R.T.: 5.634 min
Delta R.T.: -0.003 min
Response: 1447041
Conc: 46.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

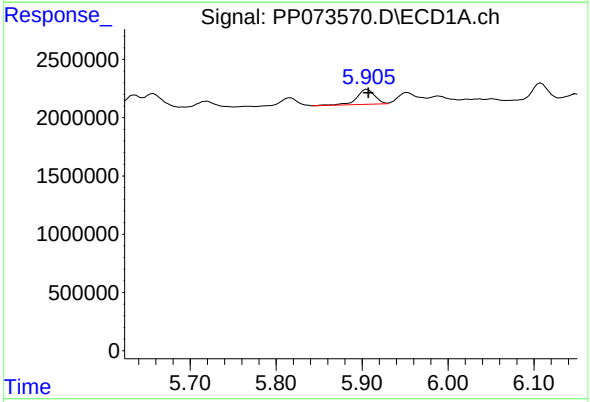
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



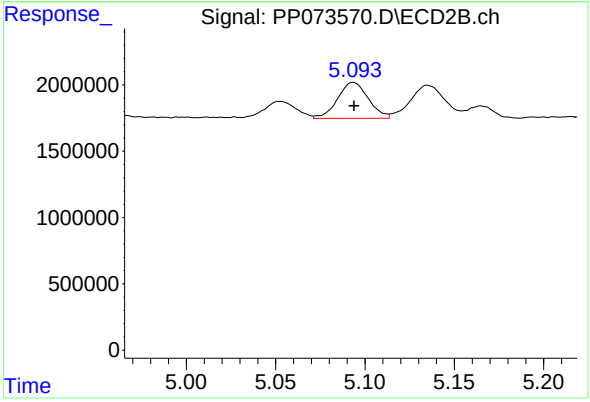
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 2193065
Conc: 48.53 ng/ml



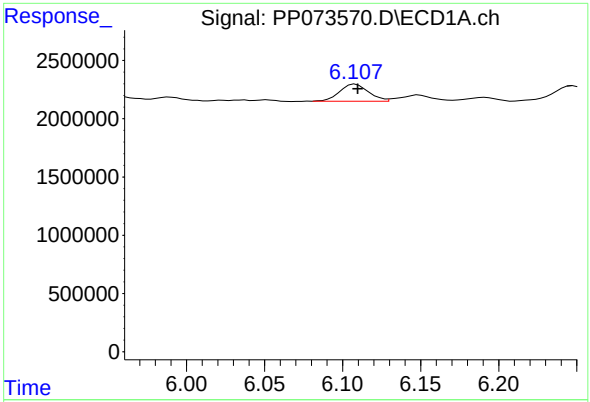
#22 AR-1248-2

R.T.: 5.906 min
Delta R.T.: -0.001 min
Response: 1882218
Conc: 46.43 ng/ml



#22 AR-1248-2

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 3238127
Conc: 52.32 ng/ml



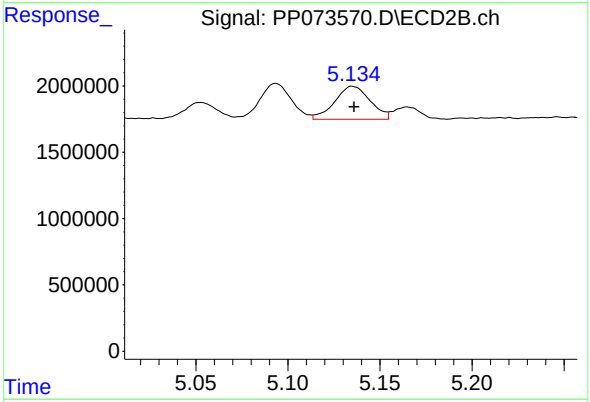
#23 AR-1248-3

R.T.: 6.108 min
Delta R.T.: -0.001 min
Response: 1881440
Conc: 40.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

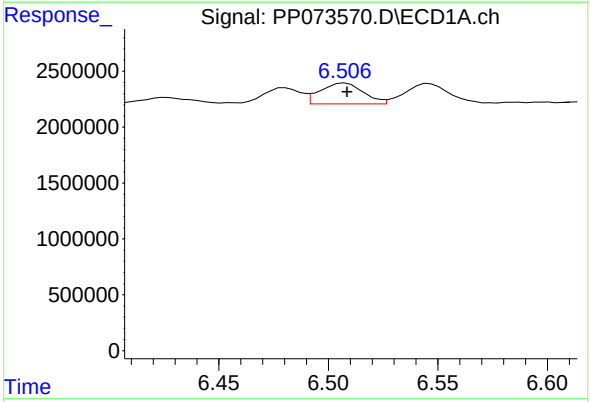
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



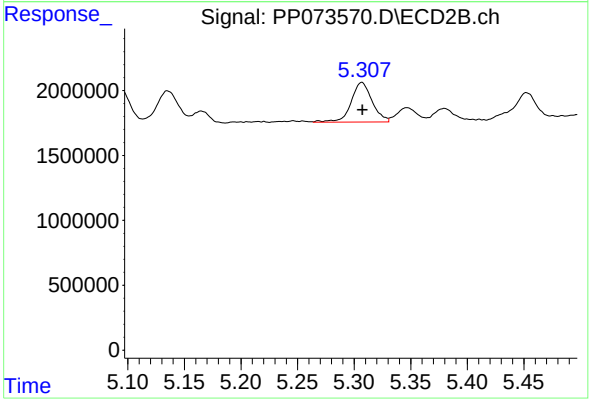
#23 AR-1248-3

R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 3334641
Conc: 51.77 ng/ml



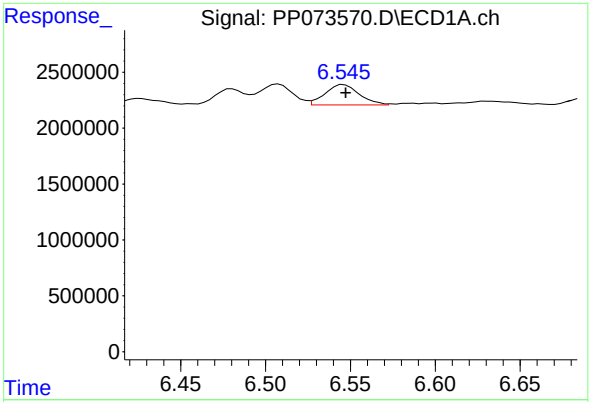
#24 AR-1248-4

R.T.: 6.506 min
Delta R.T.: -0.002 min
Response: 2458929
Conc: 43.03 ng/ml m



#24 AR-1248-4

R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 3957834
Conc: 52.56 ng/ml



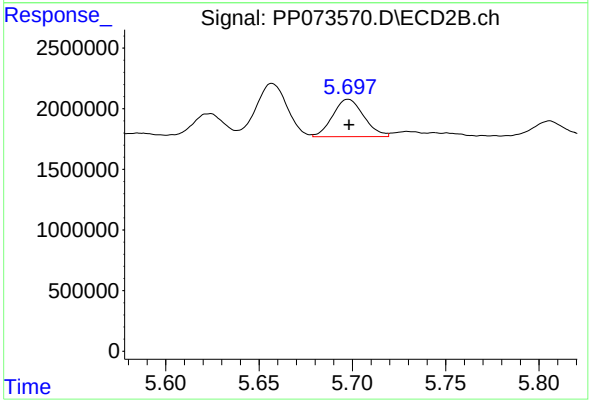
#25 AR-1248-5

R.T.: 6.545 min
Delta R.T.: -0.003 min
Response: 2487202
Conc: 44.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#25 AR-1248-5

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3594939
Conc: 47.04 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:41
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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...	4.489	3.780	135.2E6	181.0E6	96.465	95.662
2)	SA Decachlor...	10.177	8.782	110.7E6	134.8E6	96.695	98.240
	Target Compounds						
26)	L6 AR-1254-1	6.487	5.658	50900598	105.4E6	921.959	938.043
27)	L6 AR-1254-2	6.703	5.806	77237012	90612135	935.764	943.093
28)	L6 AR-1254-3	7.066	6.207	83677544	142.5E6	945.590	936.990
29)	L6 AR-1254-4	7.348	6.436	74438148	86996505	935.246	922.052
30)	L6 AR-1254-5	7.764	6.851	71888659	123.6E6	963.395	945.380

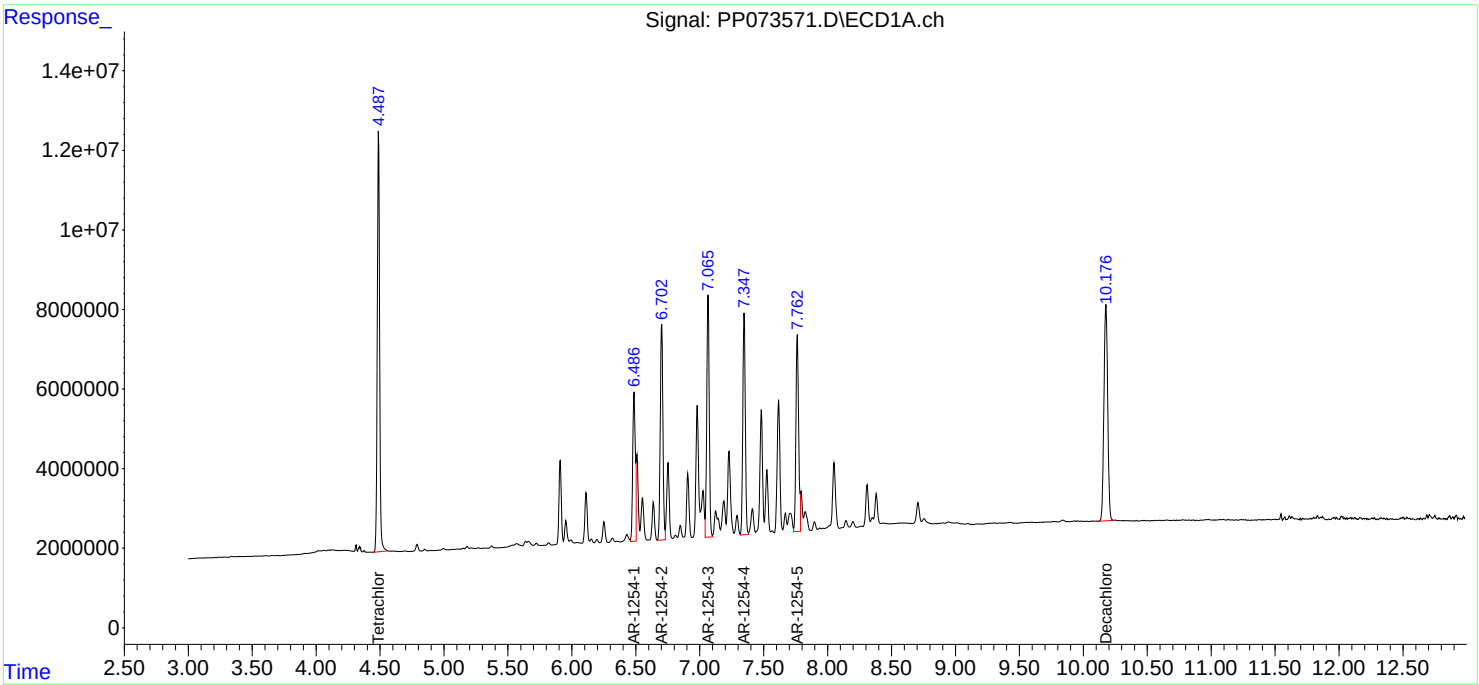
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

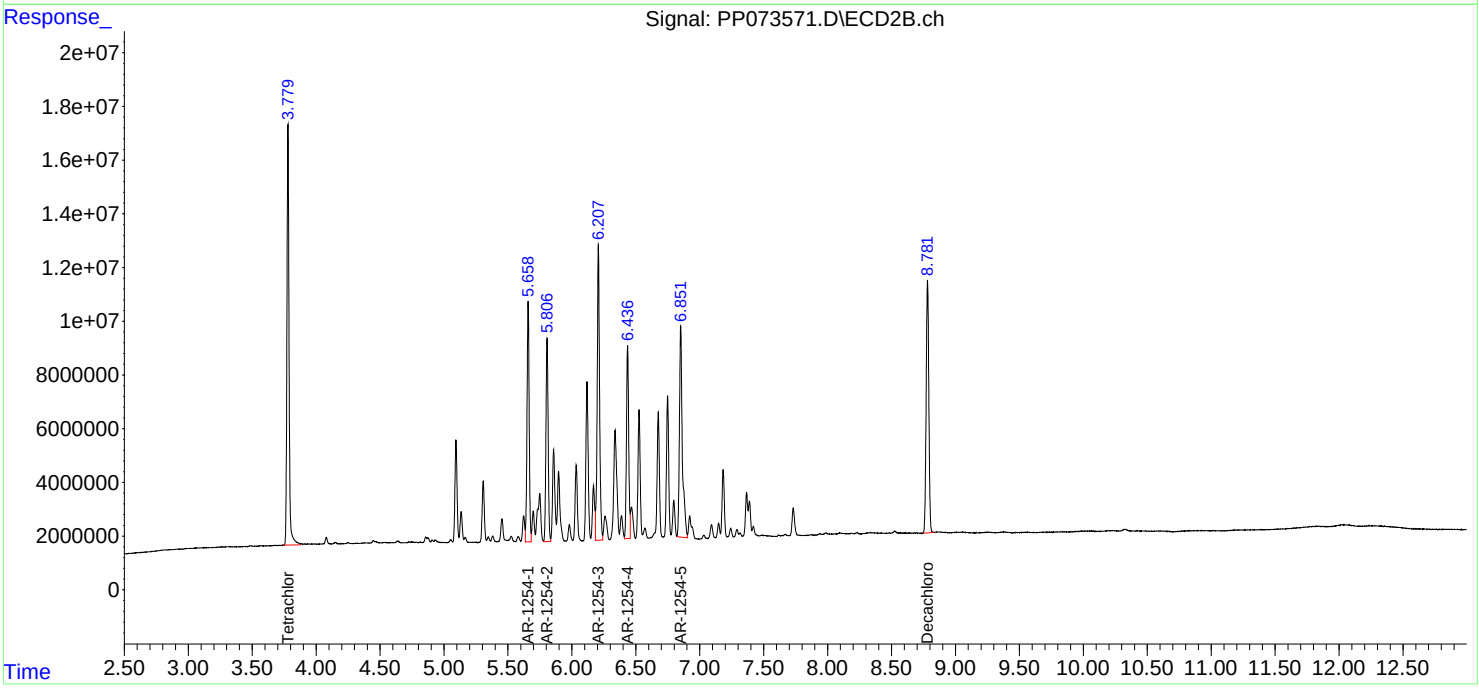
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:41
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

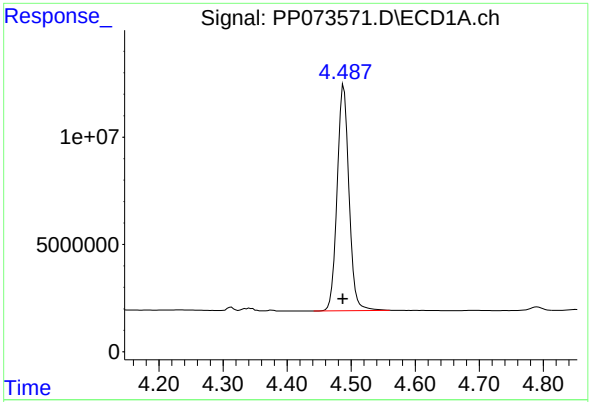
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:43:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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



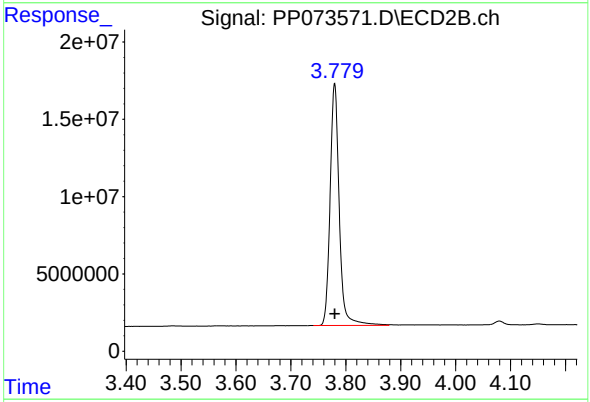




#1 Tetrachloro-m-xylene

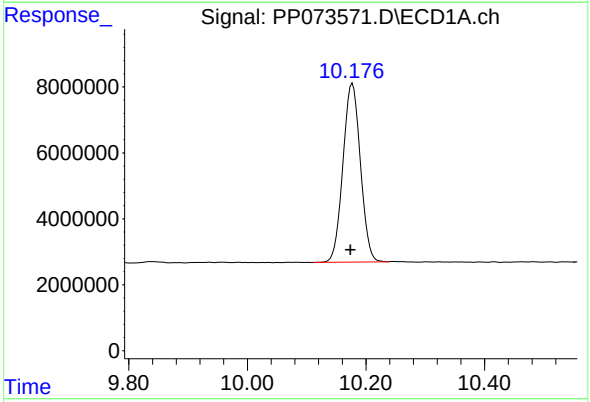
R.T.: 4.489 min
Delta R.T.: 0.002 min
Response: 135162400
Conc: 96.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



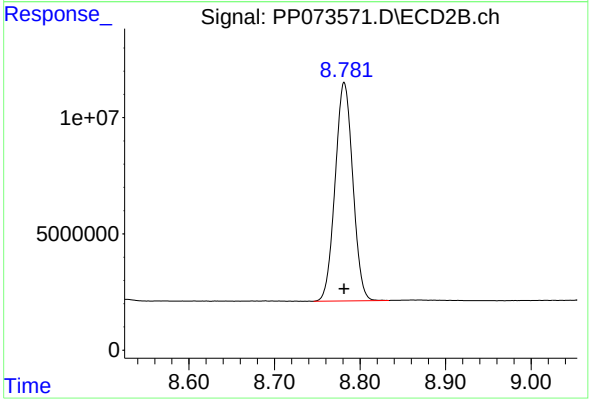
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 180994038
Conc: 95.66 ng/ml



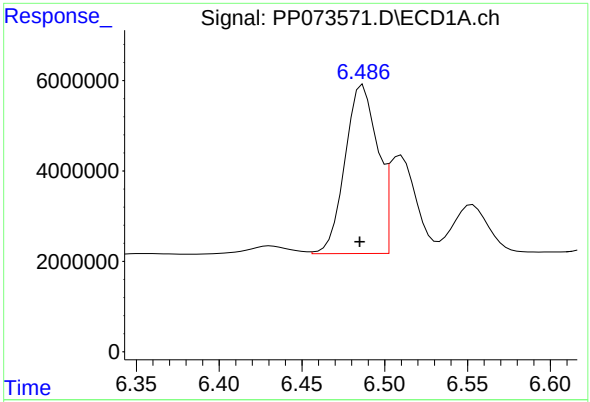
#2 Decachlorobiphenyl

R.T.: 10.177 min
Delta R.T.: 0.003 min
Response: 110743925
Conc: 96.70 ng/ml



#2 Decachlorobiphenyl

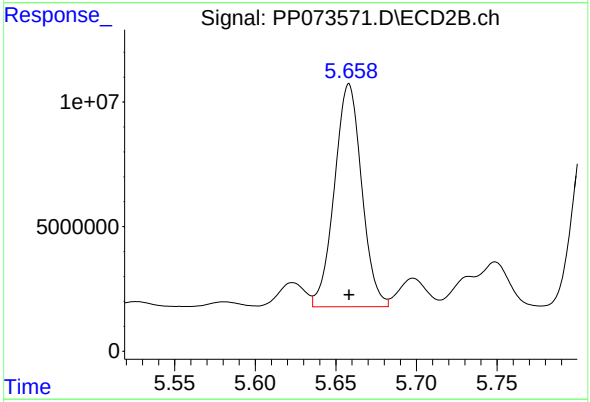
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 134819228
Conc: 98.24 ng/ml



#26 AR-1254-1

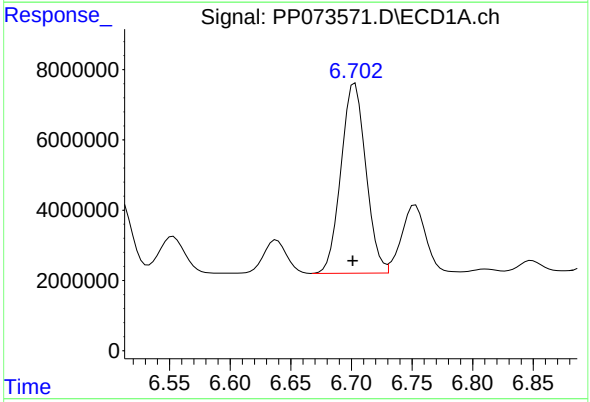
R.T.: 6.487 min
Delta R.T.: 0.002 min
Response: 50900598
Conc: 921.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



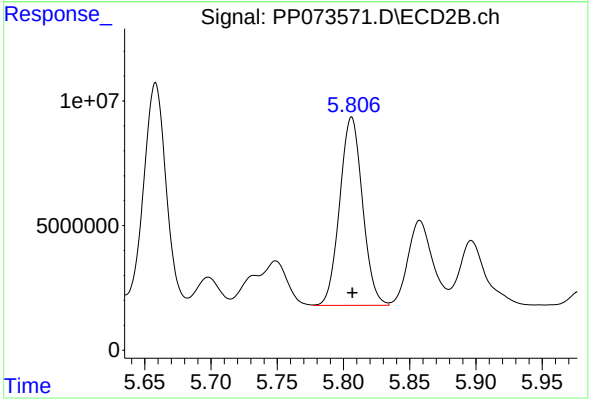
#26 AR-1254-1

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 105364555
Conc: 938.04 ng/ml



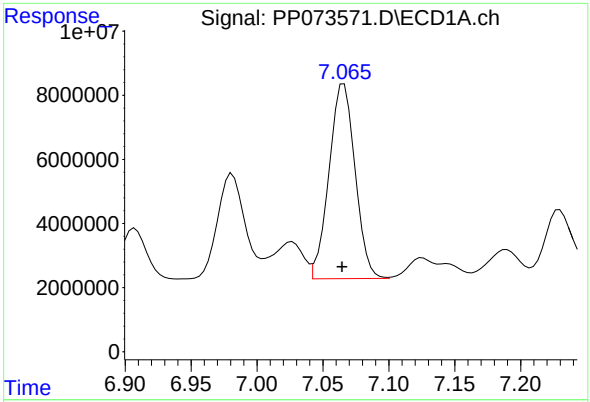
#27 AR-1254-2

R.T.: 6.703 min
Delta R.T.: 0.002 min
Response: 77237012
Conc: 935.76 ng/ml



#27 AR-1254-2

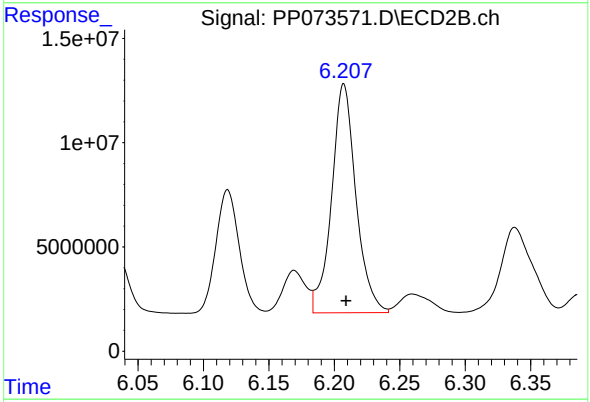
R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 90612135
Conc: 943.09 ng/ml



#28 AR-1254-3

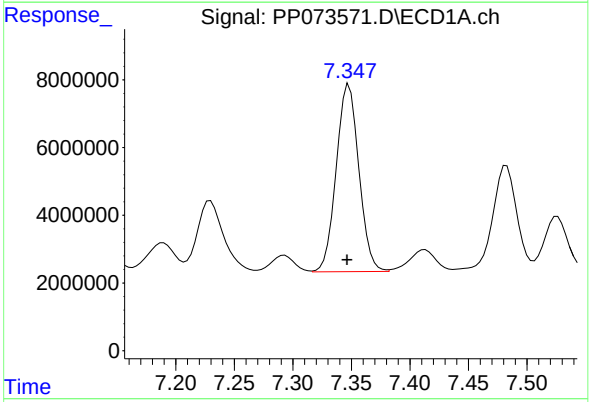
R.T.: 7.066 min
Delta R.T.: 0.002 min
Response: 83677544
Conc: 945.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



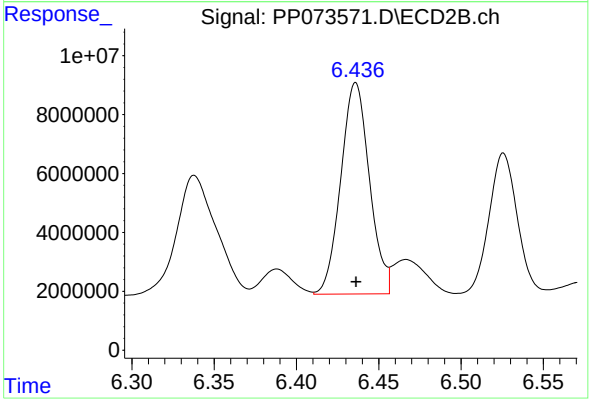
#28 AR-1254-3

R.T.: 6.207 min
Delta R.T.: -0.002 min
Response: 142515413
Conc: 936.99 ng/ml



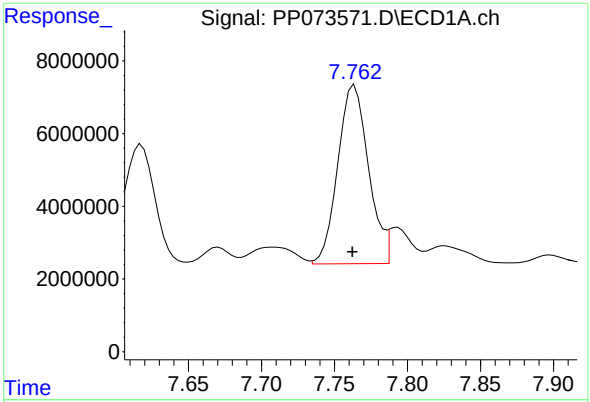
#29 AR-1254-4

R.T.: 7.348 min
Delta R.T.: 0.002 min
Response: 74438148
Conc: 935.25 ng/ml



#29 AR-1254-4

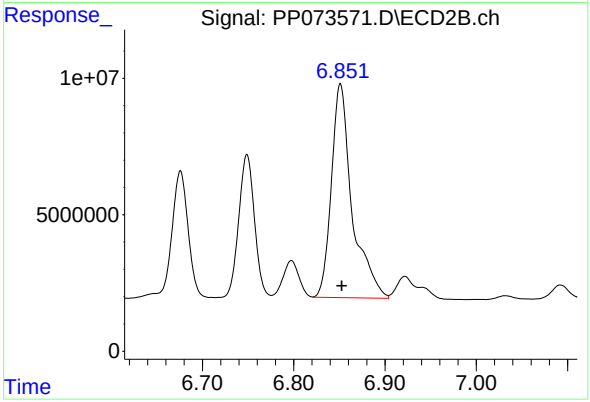
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 86996505
Conc: 922.05 ng/ml



#30 AR-1254-5

R.T.: 7.764 min
Delta R.T.: 0.002 min
Response: 71888659
Conc: 963.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.851 min
Delta R.T.: -0.001 min
Response: 123596587
Conc: 945.38 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:57
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:44:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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...	4.488	3.779	104.7E6	146.2E6	74.706	77.291
2)	SA Decachlor...	10.175	8.780	84962440	104.9E6	74.184	76.426
	Target Compounds						
26)	L6 AR-1254-1	6.486	5.657	39869819	83773101	722.159	745.818
27)	L6 AR-1254-2	6.702	5.805	60389680	72154275	731.651	750.983
28)	L6 AR-1254-3	7.066	6.207	64508177	114.2E6	728.969	750.593
29)	L6 AR-1254-4	7.348	6.435	57167227	70426326	718.253	746.429
30)	L6 AR-1254-5	7.764	6.851	55929557	98283712	749.524	751.764

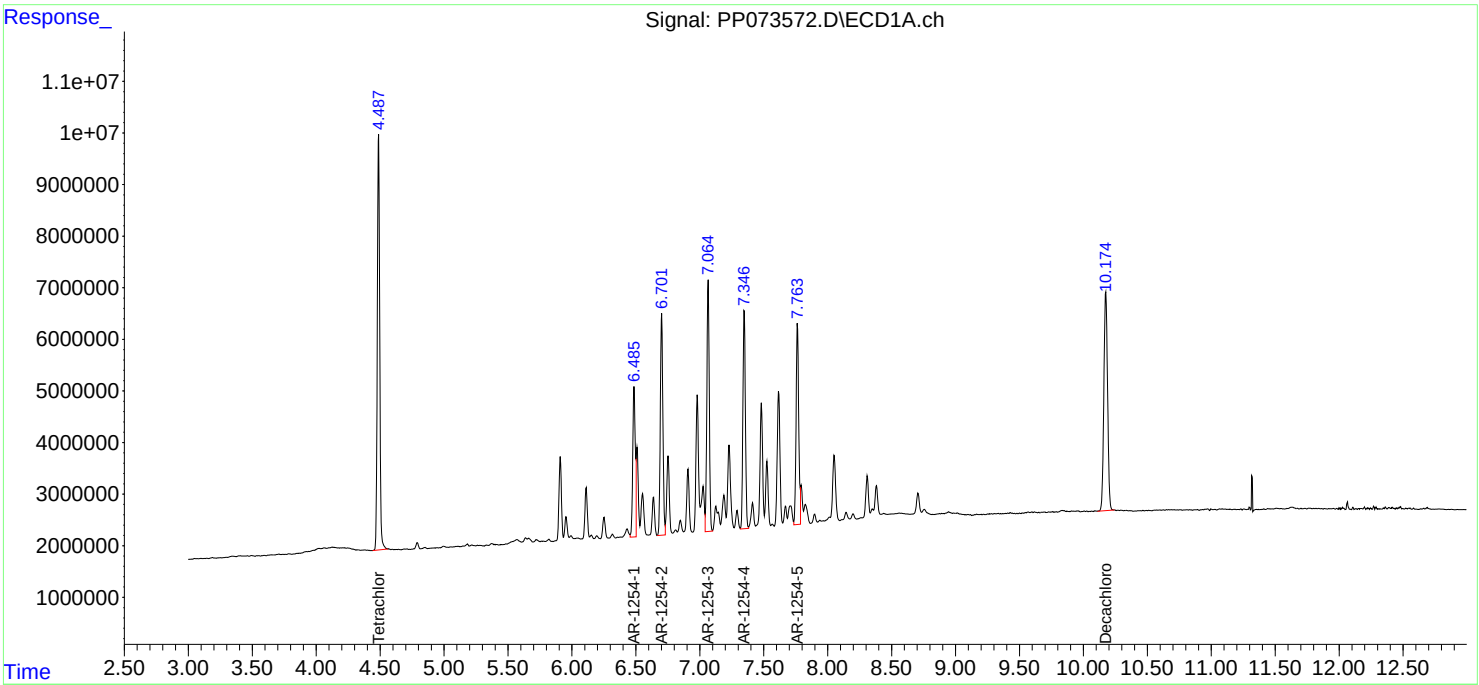
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

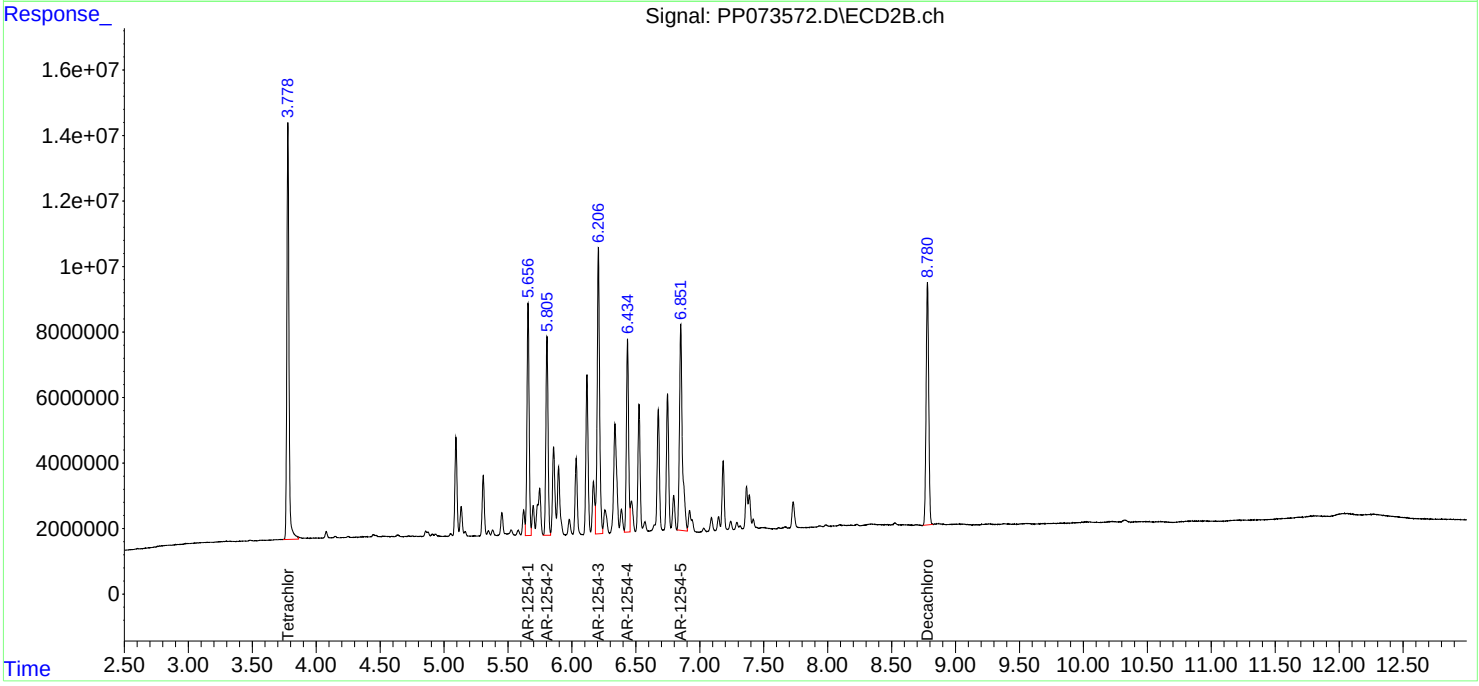
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:57
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

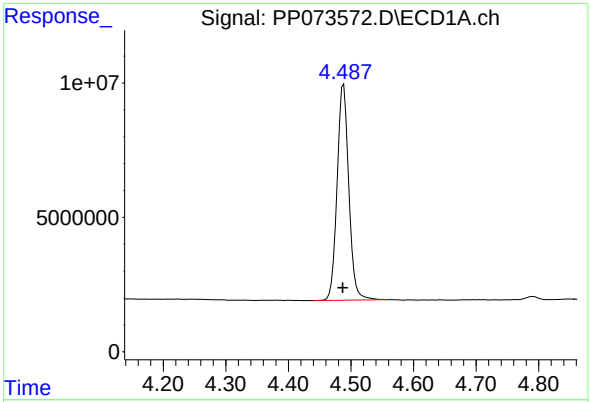
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:44:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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



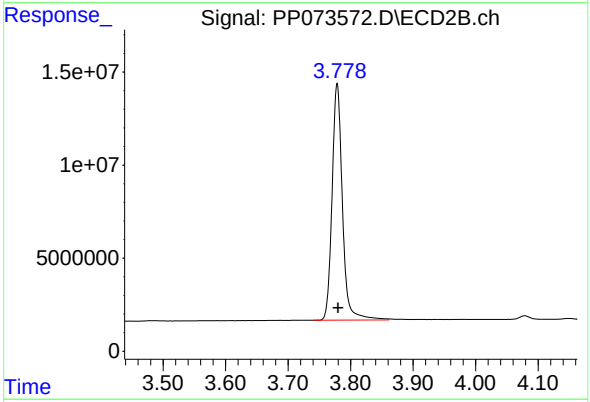




#1 Tetrachloro-m-xylene

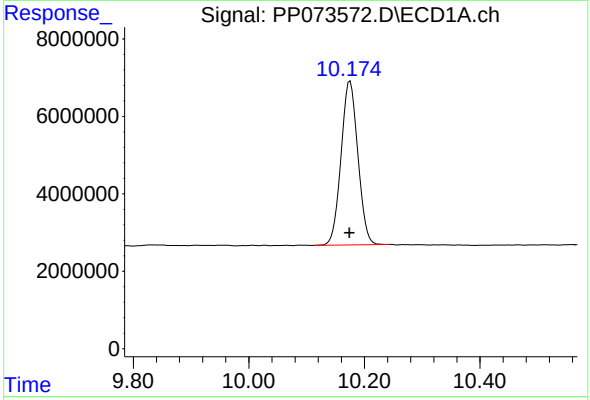
R.T.: 4.488 min
Delta R.T.: 0.001 min
Response: 104674567
Conc: 74.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



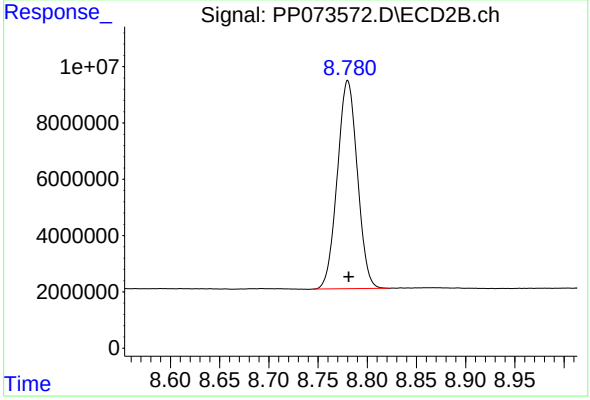
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: -0.001 min
Response: 146235464
Conc: 77.29 ng/ml



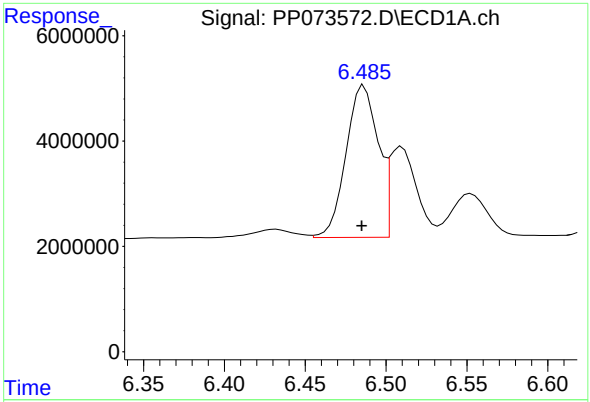
#2 Decachlorobiphenyl

R.T.: 10.175 min
Delta R.T.: 0.001 min
Response: 84962440
Conc: 74.18 ng/ml



#2 Decachlorobiphenyl

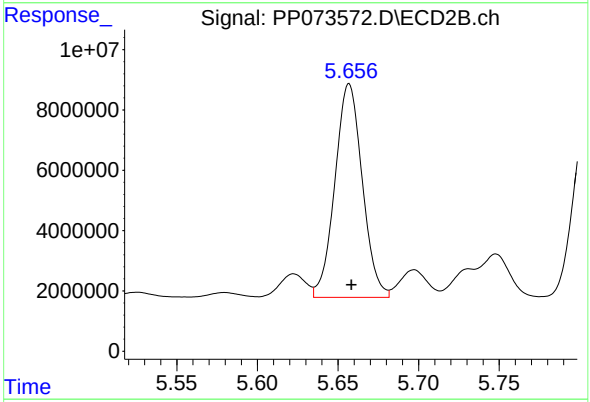
R.T.: 8.780 min
Delta R.T.: -0.001 min
Response: 104882292
Conc: 76.43 ng/ml



#26 AR-1254-1

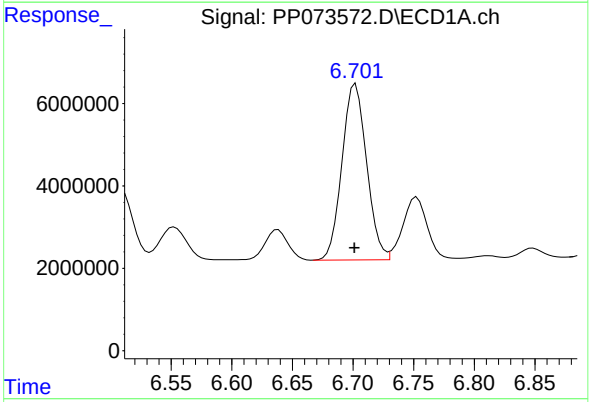
R.T.: 6.486 min
Delta R.T.: 0.001 min
Response: 39869819
Conc: 722.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



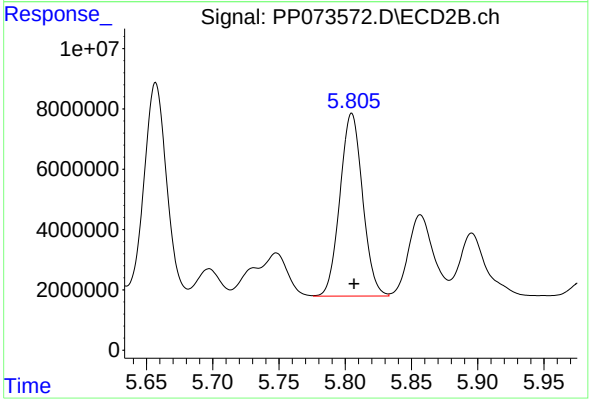
#26 AR-1254-1

R.T.: 5.657 min
Delta R.T.: -0.001 min
Response: 83773101
Conc: 745.82 ng/ml



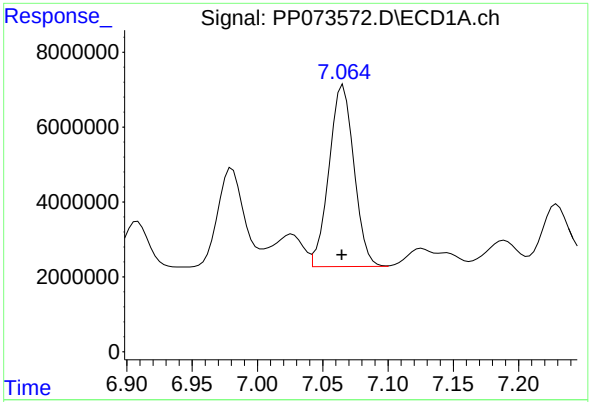
#27 AR-1254-2

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 60389680
Conc: 731.65 ng/ml



#27 AR-1254-2

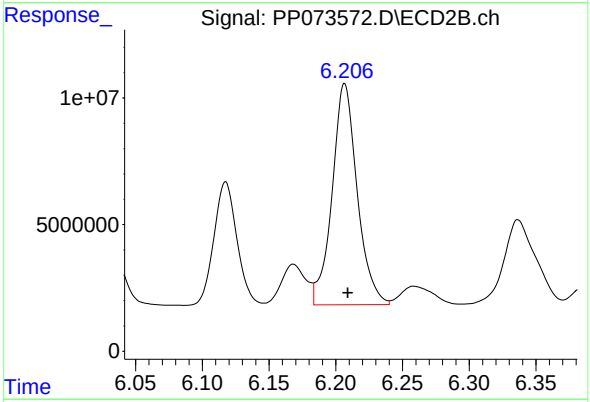
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 72154275
Conc: 750.98 ng/ml



#28 AR-1254-3

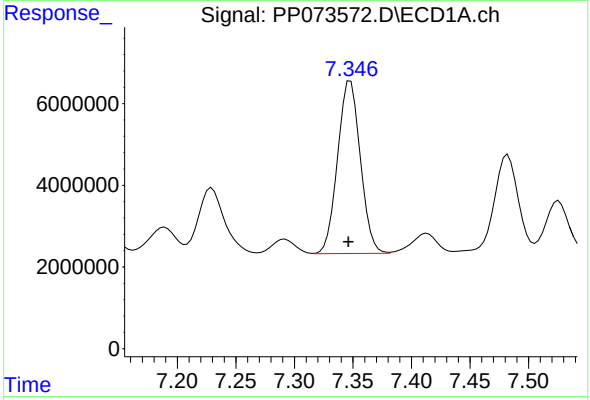
R.T.: 7.066 min
Delta R.T.: 0.001 min
Response: 64508177
Conc: 728.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



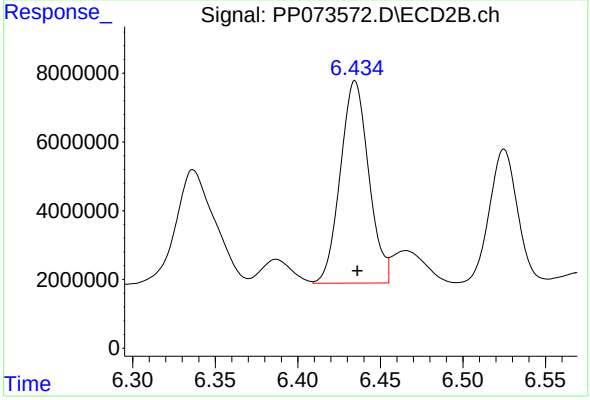
#28 AR-1254-3

R.T.: 6.207 min
Delta R.T.: -0.002 min
Response: 114164607
Conc: 750.59 ng/ml



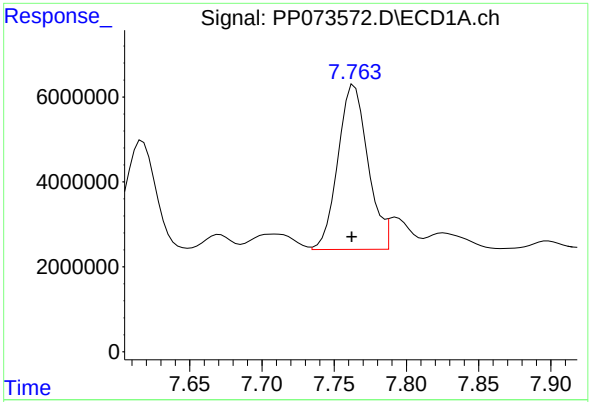
#29 AR-1254-4

R.T.: 7.348 min
Delta R.T.: 0.002 min
Response: 57167227
Conc: 718.25 ng/ml



#29 AR-1254-4

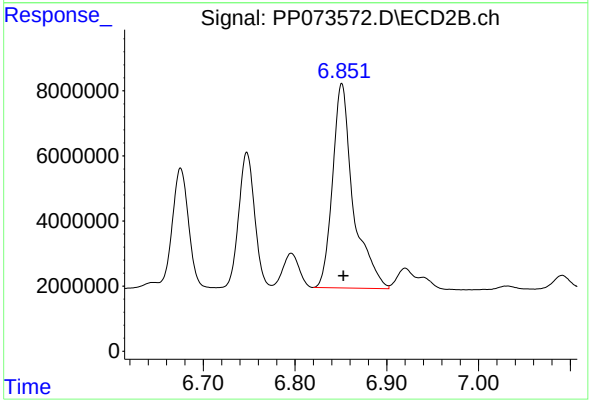
R.T.: 6.435 min
Delta R.T.: -0.001 min
Response: 70426326
Conc: 746.43 ng/ml



#30 AR-1254-5

R.T.: 7.764 min
Delta R.T.: 0.002 min
Response: 55929557
Conc: 749.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.851 min
Delta R.T.: -0.002 min
Response: 98283712
Conc: 751.76 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:44:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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...	4.487	3.780	70057774	94600770	50.000	50.000
2)	SA Decachlor...	10.174	8.781	57264429	68616932	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.485	5.658	27604602	56161903	500.000	500.000
27)	L6 AR-1254-2	6.701	5.807	41269473	48039880	500.000	500.000
28)	L6 AR-1254-3	7.064	6.209	44246186	76049574	500.000	500.000
29)	L6 AR-1254-4	7.346	6.436	39796020	47175510	500.000	500.000
30)	L6 AR-1254-5	7.762	6.853	37310051	65368722	500.000	500.000

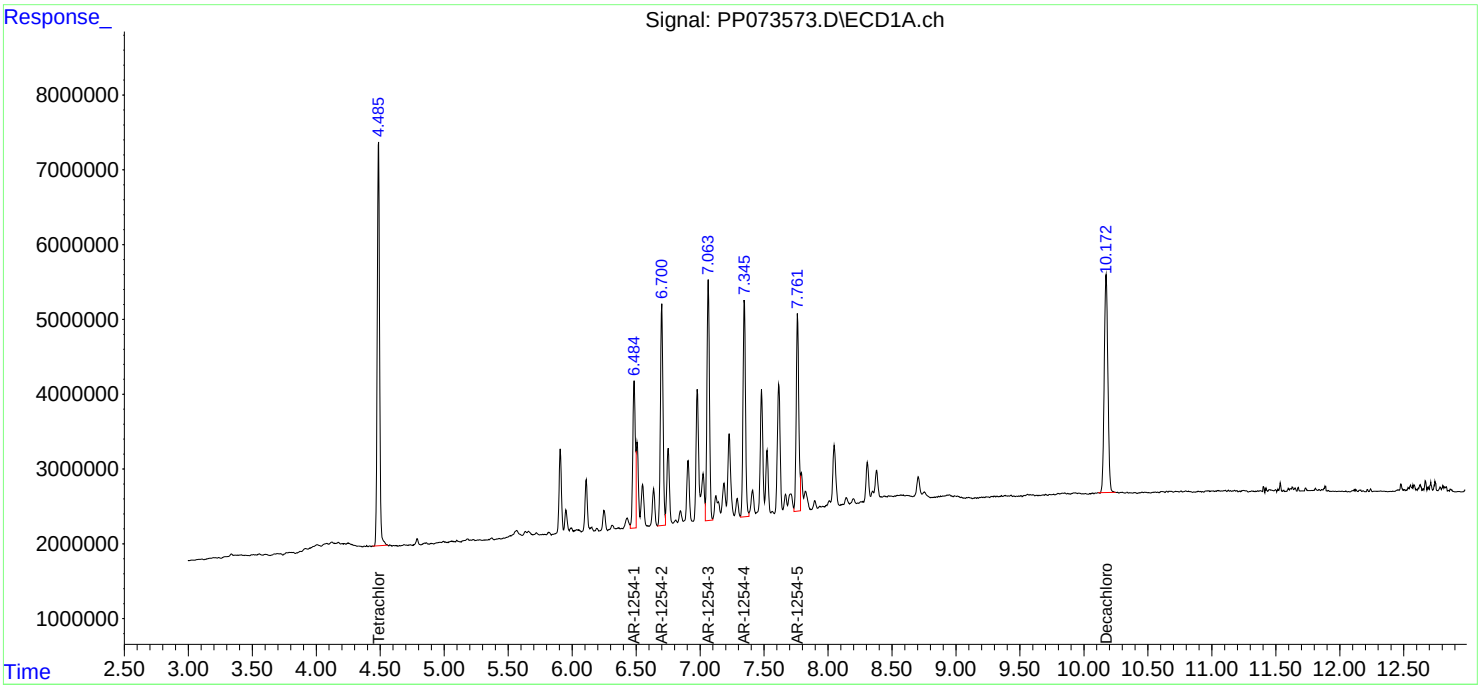
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

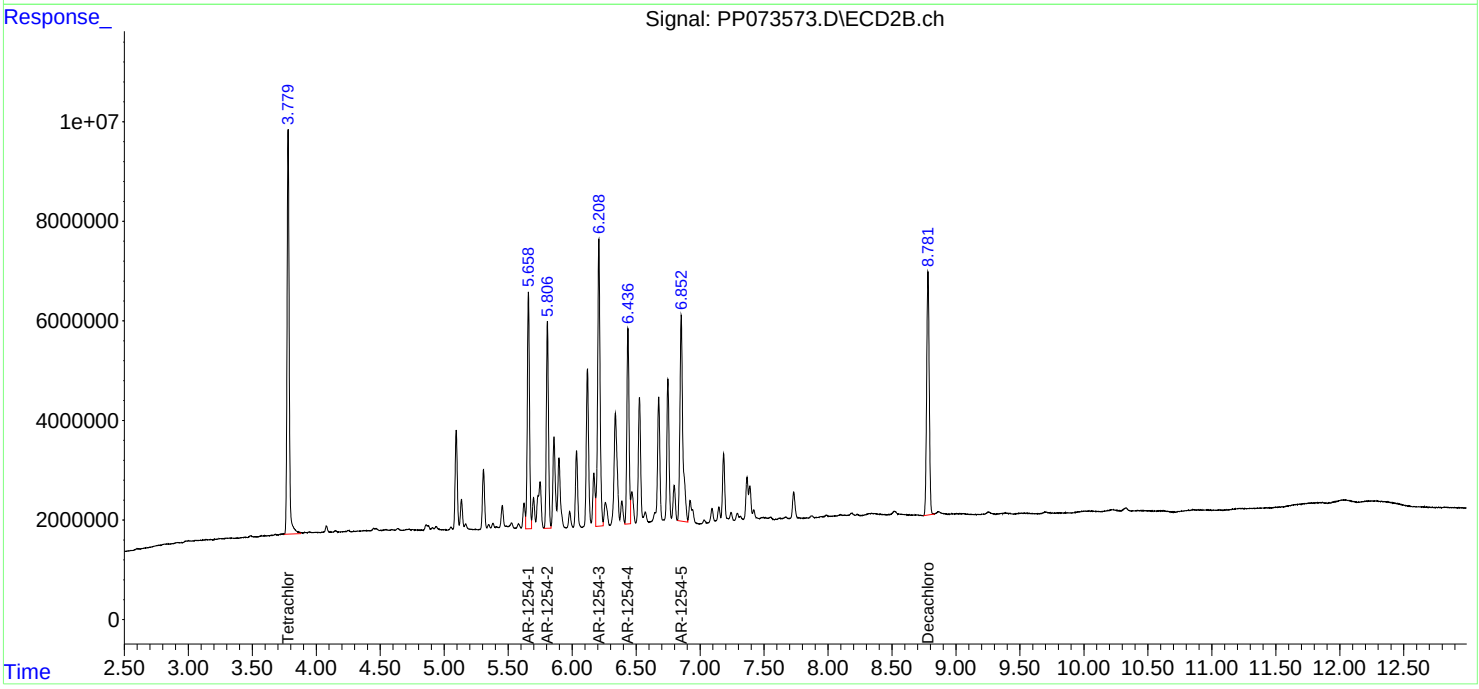
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

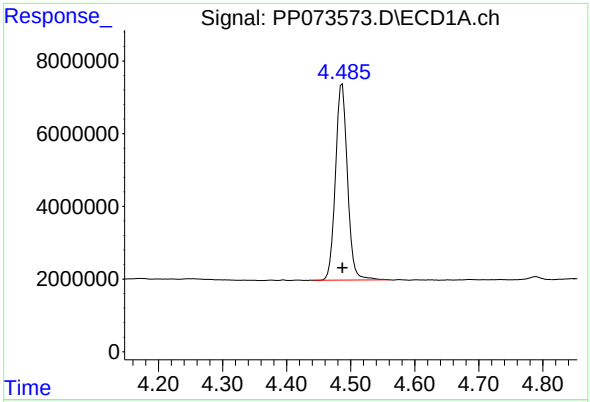
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:44:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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



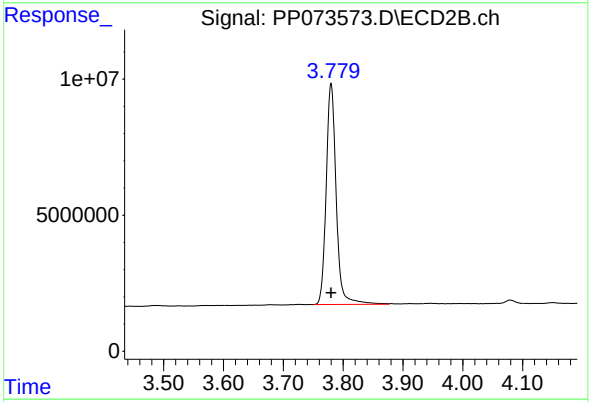




#1 Tetrachloro-m-xylene

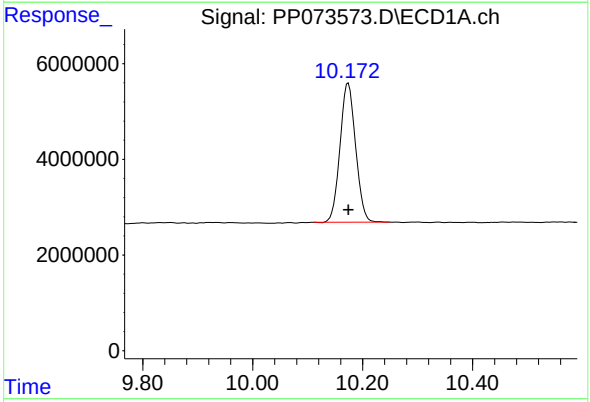
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 70057774
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



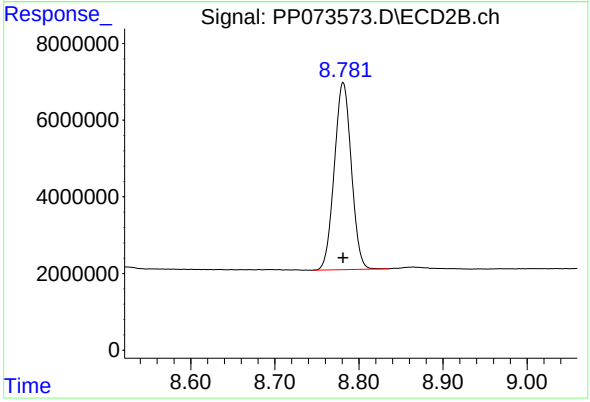
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 94600770
Conc: 50.00 ng/ml



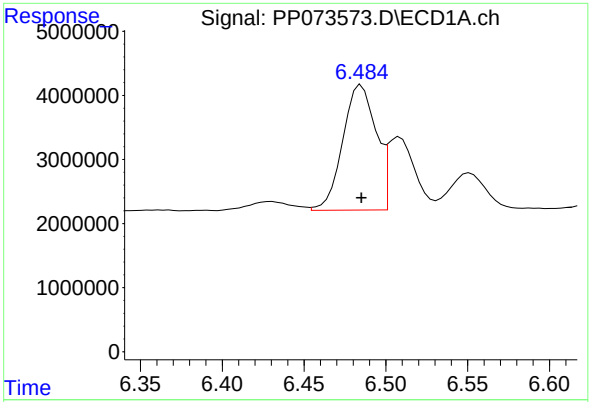
#2 Decachlorobiphenyl

R.T.: 10.174 min
Delta R.T.: 0.000 min
Response: 57264429
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

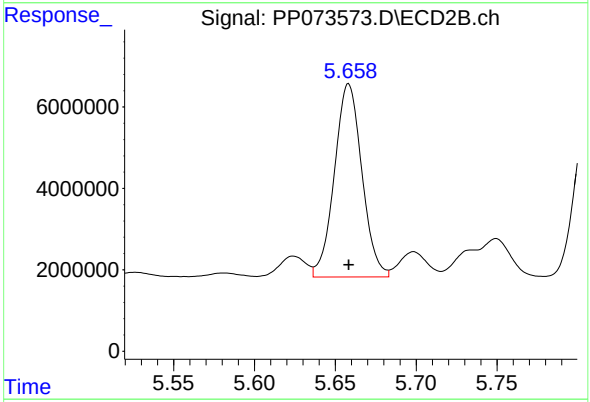
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 68616932
Conc: 50.00 ng/ml



#26 AR-1254-1

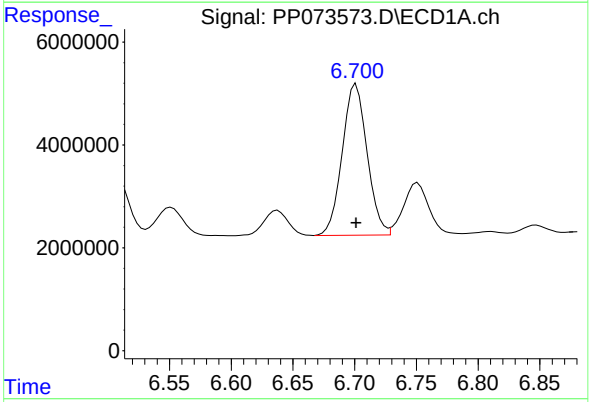
R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 27604602
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



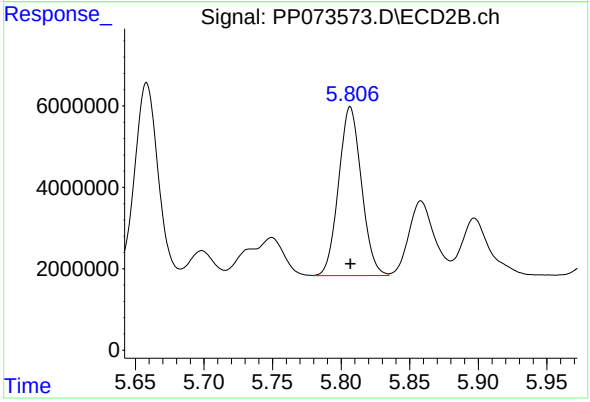
#26 AR-1254-1

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 56161903
Conc: 500.00 ng/ml



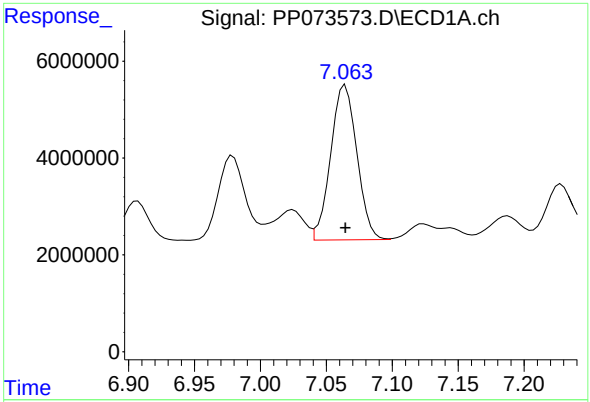
#27 AR-1254-2

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 41269473
Conc: 500.00 ng/ml



#27 AR-1254-2

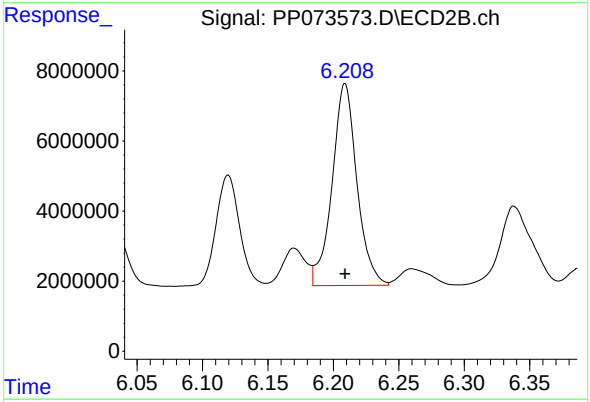
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 48039880
Conc: 500.00 ng/ml



#28 AR-1254-3

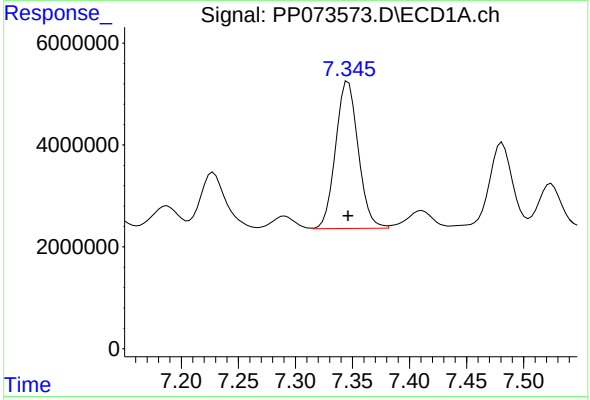
R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 44246186
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



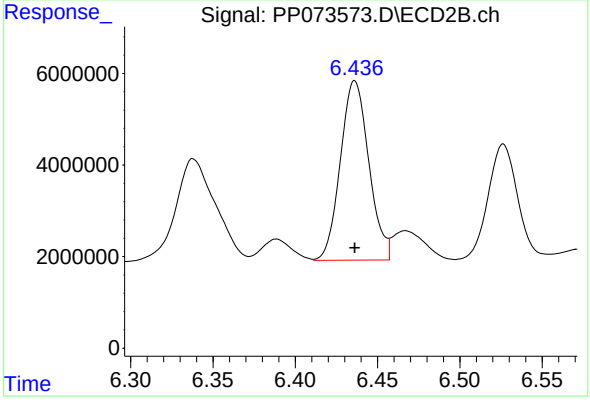
#28 AR-1254-3

R.T.: 6.209 min
Delta R.T.: 0.000 min
Response: 76049574
Conc: 500.00 ng/ml



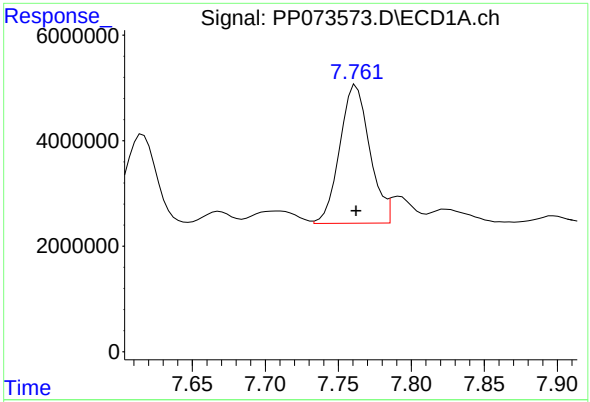
#29 AR-1254-4

R.T.: 7.346 min
Delta R.T.: 0.000 min
Response: 39796020
Conc: 500.00 ng/ml



#29 AR-1254-4

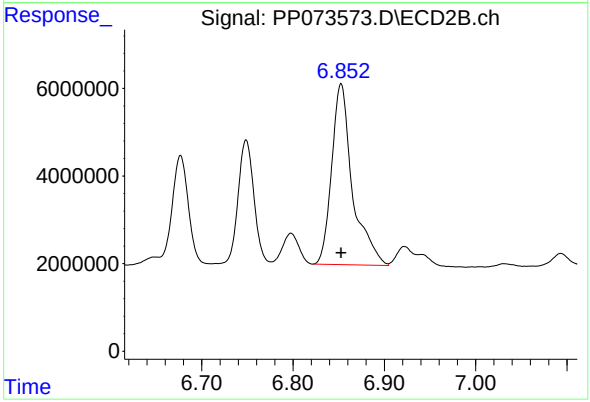
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 47175510
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.762 min
Delta R.T.: 0.000 min
Response: 37310051
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.853 min
Delta R.T.: 0.000 min
Response: 65368722
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:30
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:44:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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...	4.487	3.779	36639041	48313312	26.149	25.535
2)	SA Decachlor...	10.176	8.780	28626907	37692438	24.995	27.466
	Target Compounds						
26)	L6 AR-1254-1	6.484	5.657	14279096	30427905	258.636	270.895
27)	L6 AR-1254-2	6.701	5.805	21587177	26282271	261.539	273.546
28)	L6 AR-1254-3	7.064	6.207	23018010	40529659	260.113	266.469
29)	L6 AR-1254-4	7.346	6.435	20463711	25097390	257.108	266.000
30)	L6 AR-1254-5	7.762	6.851	19086937	35261681	255.788	269.714

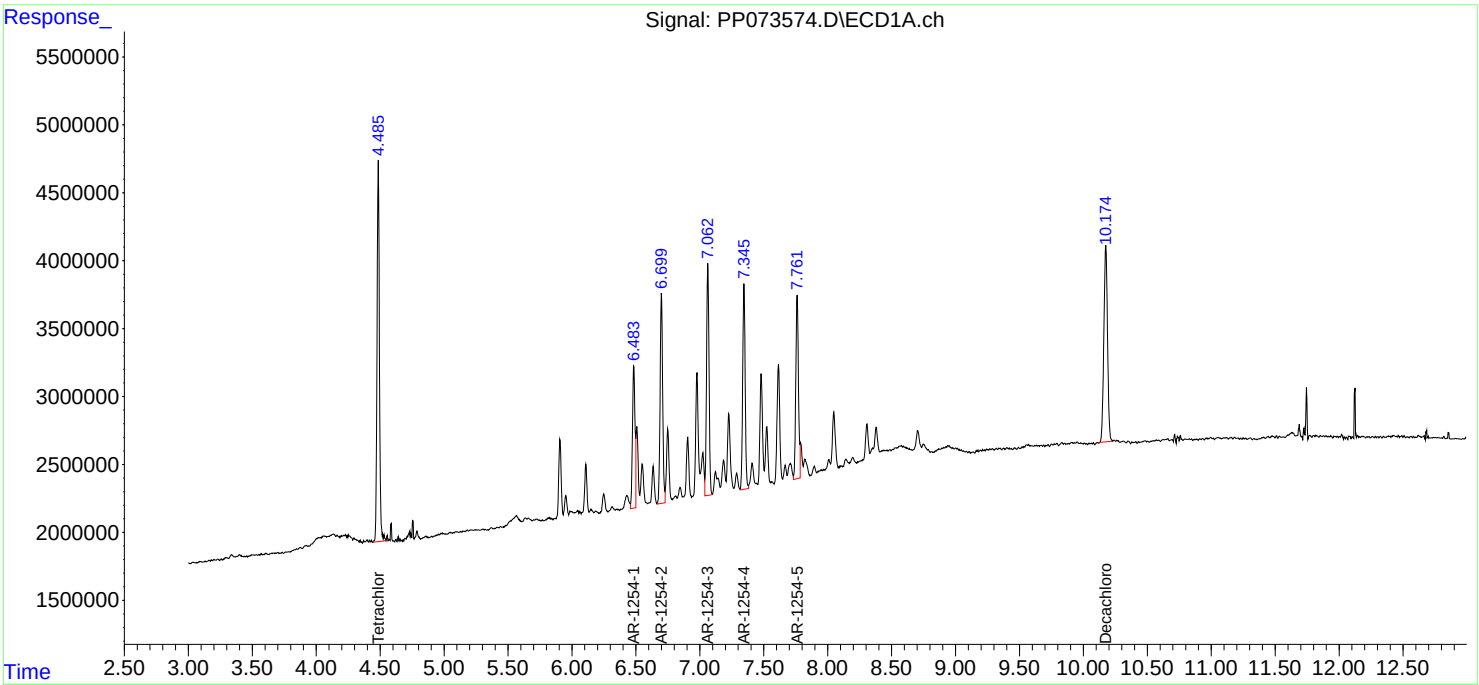
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

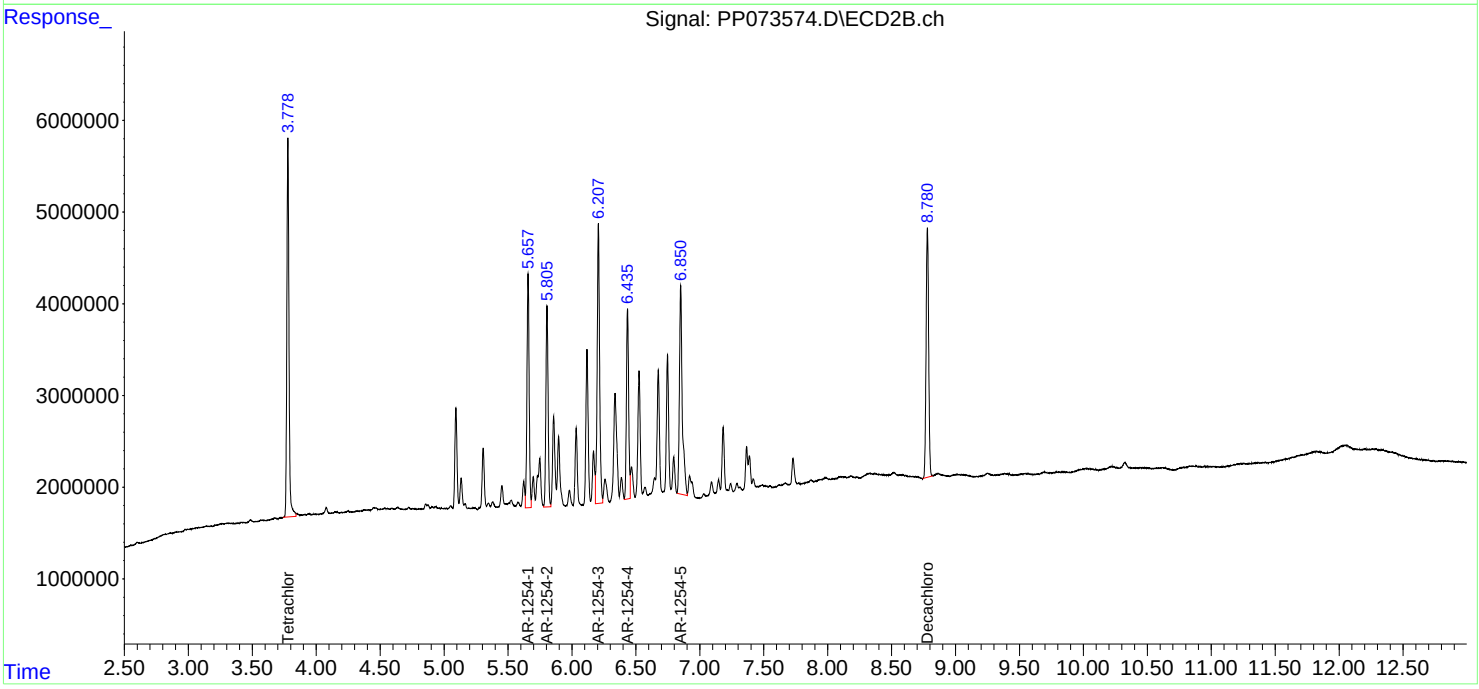
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:30
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

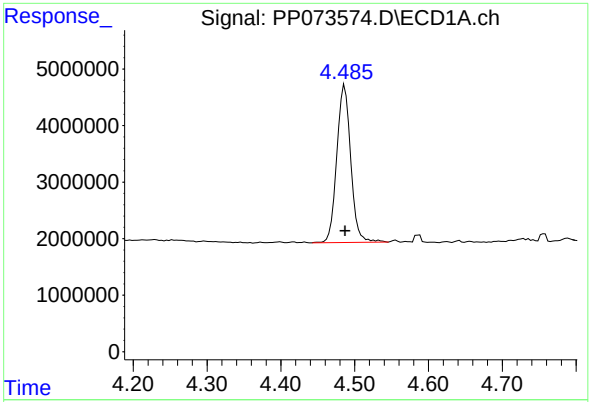
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:44:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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



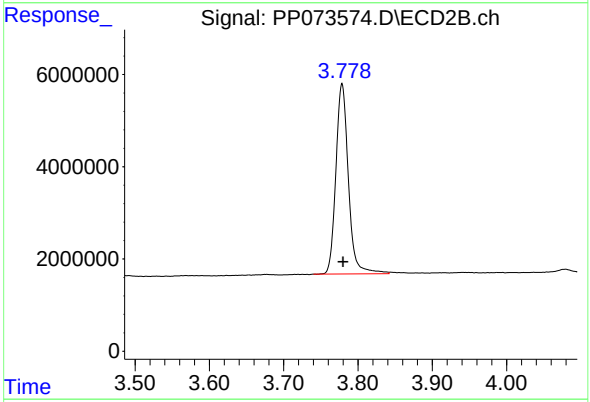




#1 Tetrachloro-m-xylene

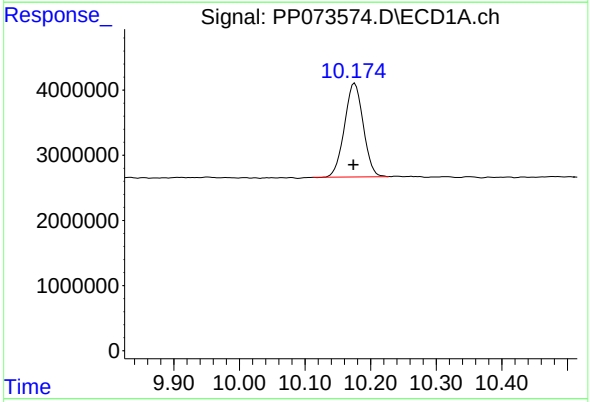
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 36639041
Conc: 26.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



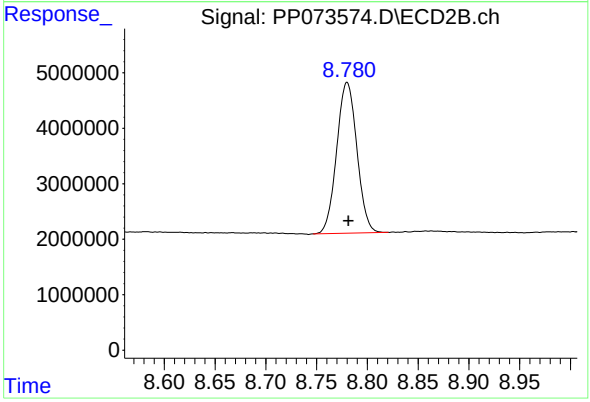
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: -0.001 min
Response: 48313312
Conc: 25.54 ng/ml



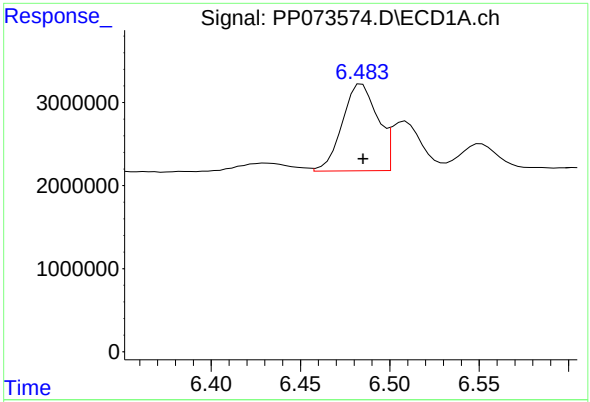
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.002 min
Response: 28626907
Conc: 25.00 ng/ml



#2 Decachlorobiphenyl

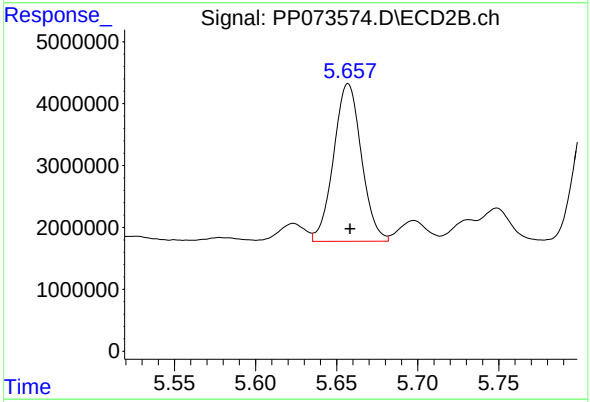
R.T.: 8.780 min
Delta R.T.: -0.001 min
Response: 37692438
Conc: 27.47 ng/ml



#26 AR-1254-1

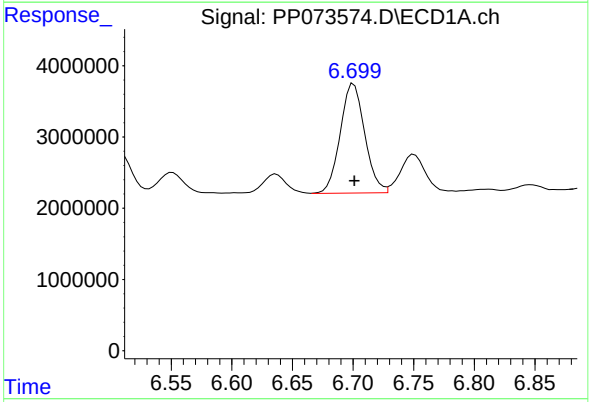
R.T.: 6.484 min
Delta R.T.: 0.000 min
Response: 14279096
Conc: 258.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



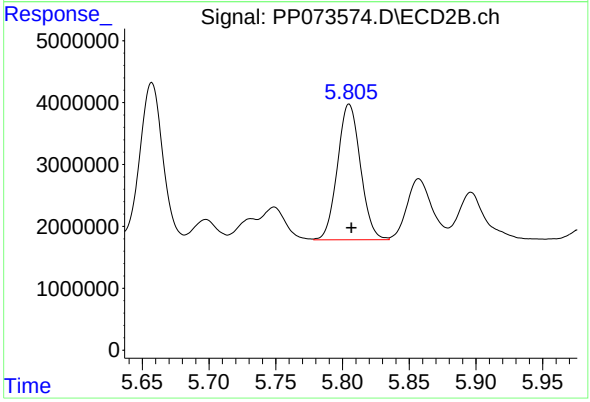
#26 AR-1254-1

R.T.: 5.657 min
Delta R.T.: -0.001 min
Response: 30427905
Conc: 270.89 ng/ml



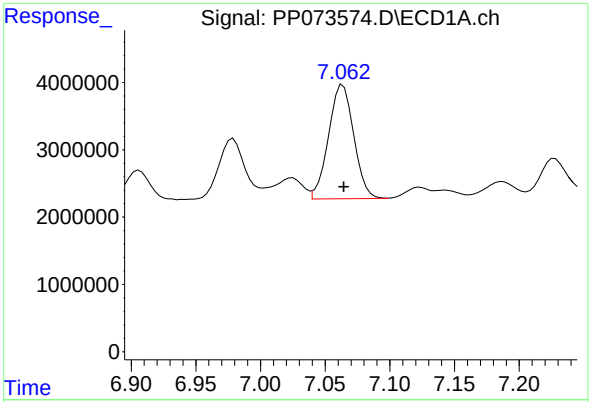
#27 AR-1254-2

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 21587177
Conc: 261.54 ng/ml



#27 AR-1254-2

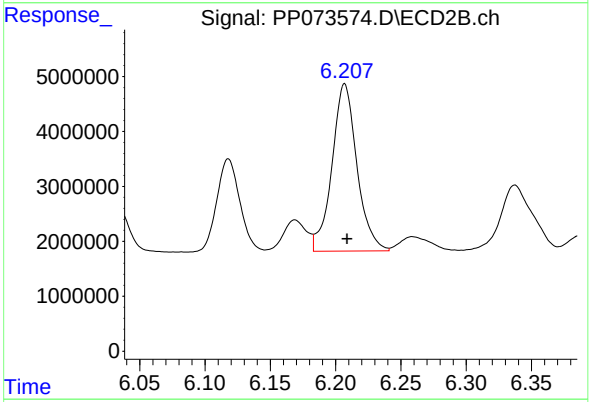
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 26282271
Conc: 273.55 ng/ml



#28 AR-1254-3

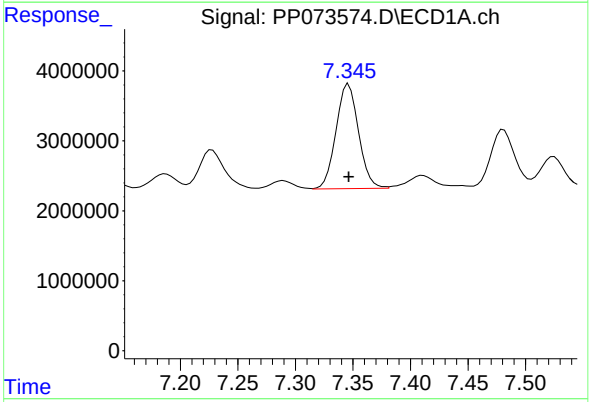
R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 23018010
Conc: 260.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



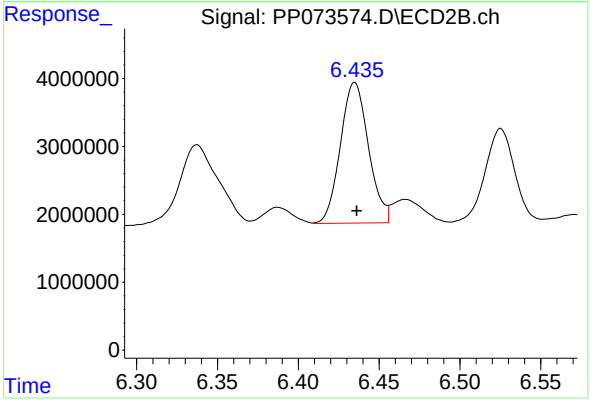
#28 AR-1254-3

R.T.: 6.207 min
Delta R.T.: -0.002 min
Response: 40529659
Conc: 266.47 ng/ml



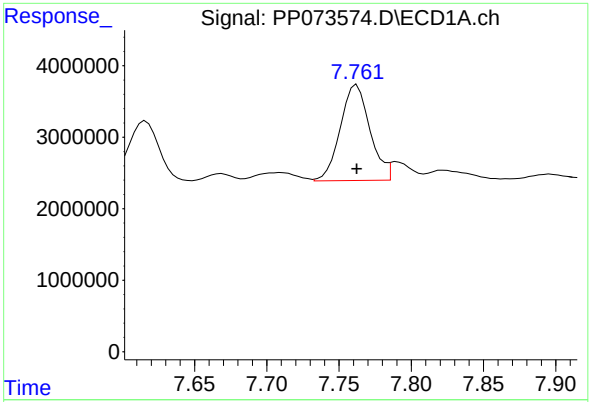
#29 AR-1254-4

R.T.: 7.346 min
Delta R.T.: 0.000 min
Response: 20463711
Conc: 257.11 ng/ml



#29 AR-1254-4

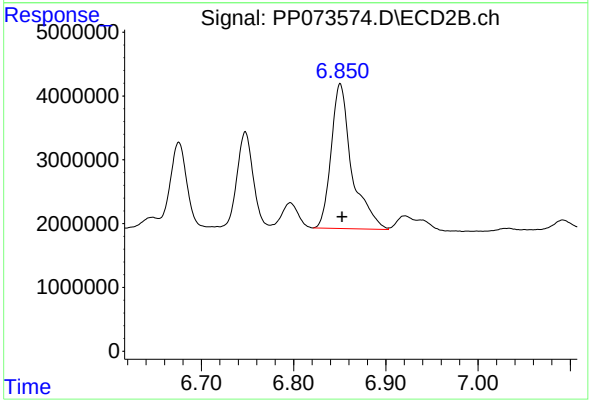
R.T.: 6.435 min
Delta R.T.: -0.001 min
Response: 25097390
Conc: 266.00 ng/ml



#30 AR-1254-5

R.T.: 7.762 min
Delta R.T.: 0.000 min
Response: 19086937
Conc: 255.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.851 min
Delta R.T.: -0.002 min
Response: 35261681
Conc: 269.71 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:46
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 03:42:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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...	4.488	3.779	6938090	9721913	4.952	5.138
2)	SA Decachlor...	10.178	8.780	5667149	6887289	4.948	5.019
	Target Compounds						
26)	L6 AR-1254-1	6.485	5.657	2578085	6452648	46.697m	57.447
27)	L6 AR-1254-2	6.701	5.806	4490008	5754555	54.399m	59.894
28)	L6 AR-1254-3	7.064	6.207	4570279	8163980	51.646m	53.675
29)	L6 AR-1254-4	7.347	6.436	4061359	4857854	51.027m	51.487
30)	L6 AR-1254-5	7.764	6.851	3548489	7039930	47.554	53.848

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:46
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

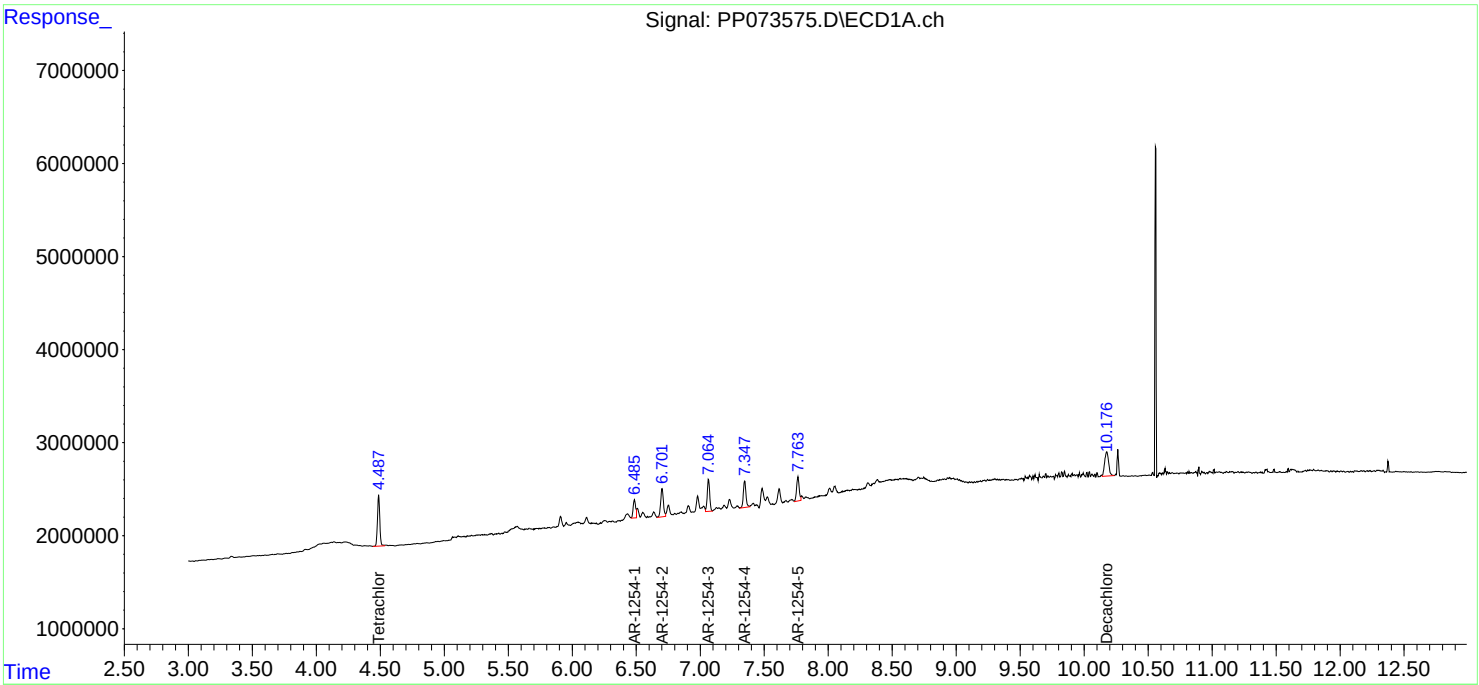
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

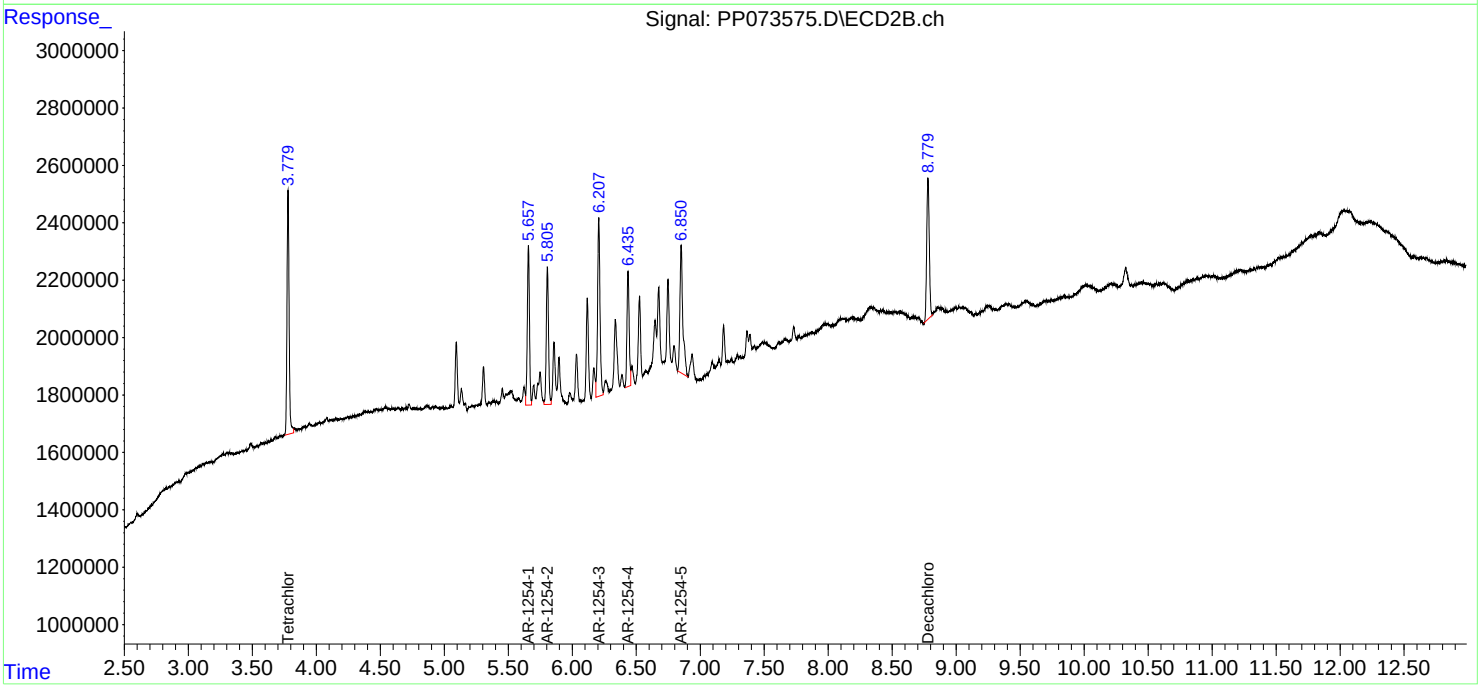
Manual Integrations APPROVED

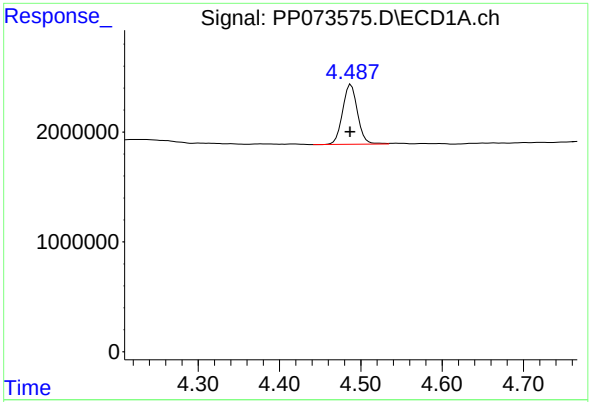
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 03:42:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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







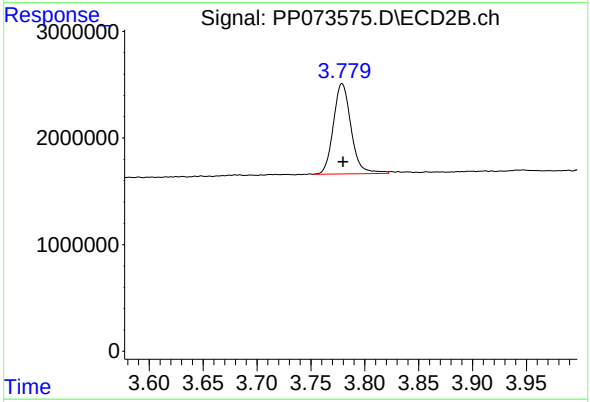
#1 Tetrachloro-m-xylene

R.T.: 4.488 min
Delta R.T.: 0.001 min
Response: 6938090
Conc: 4.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

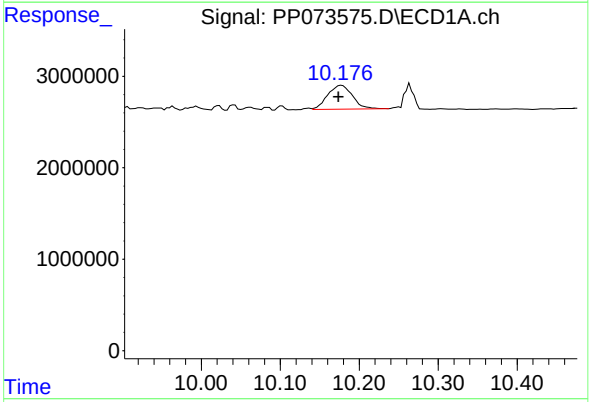
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



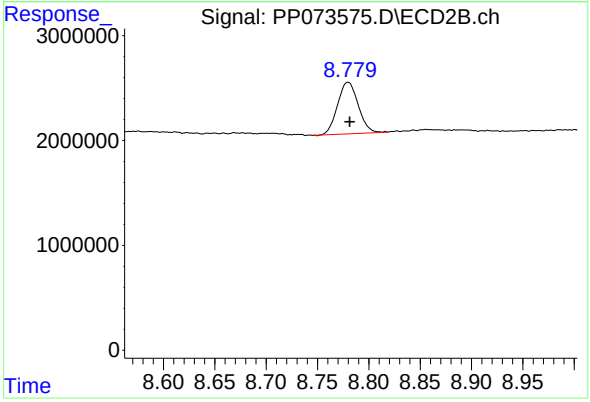
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 9721913
Conc: 5.14 ng/ml



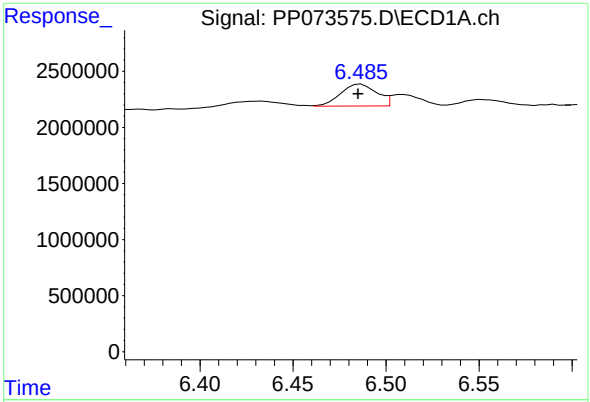
#2 Decachlorobiphenyl

R.T.: 10.178 min
Delta R.T.: 0.004 min
Response: 5667149
Conc: 4.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.780 min
Delta R.T.: -0.002 min
Response: 6887289
Conc: 5.02 ng/ml



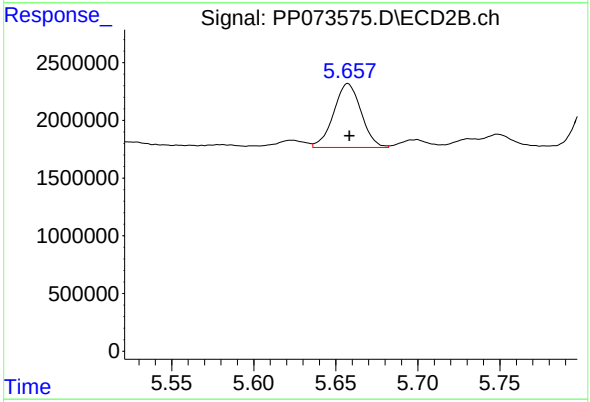
#26 AR-1254-1

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 2578085
Conc: 46.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

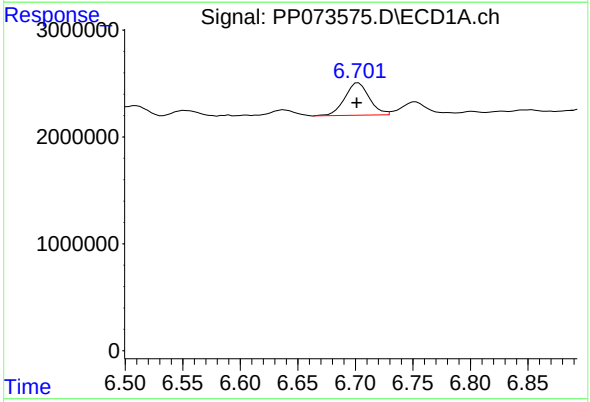
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



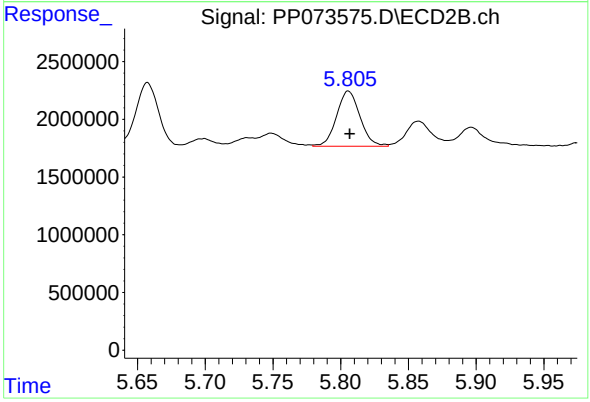
#26 AR-1254-1

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 6452648
Conc: 57.45 ng/ml



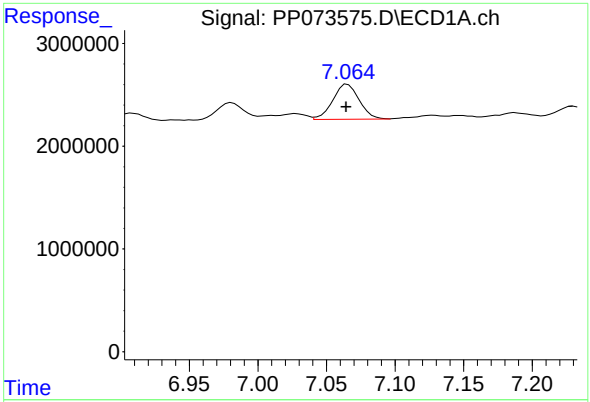
#27 AR-1254-2

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 4490008
Conc: 54.40 ng/ml m



#27 AR-1254-2

R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 5754555
Conc: 59.89 ng/ml



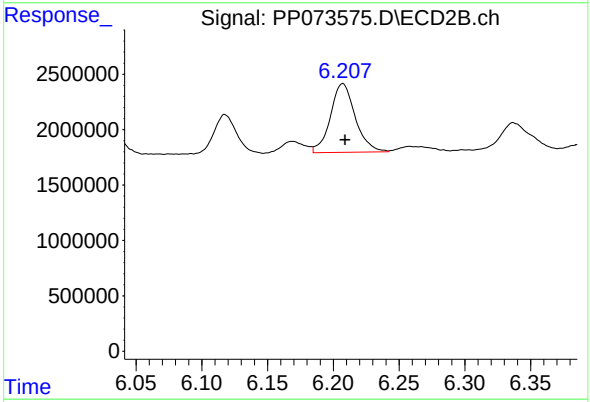
#28 AR-1254-3

R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 4570279
Conc: 51.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

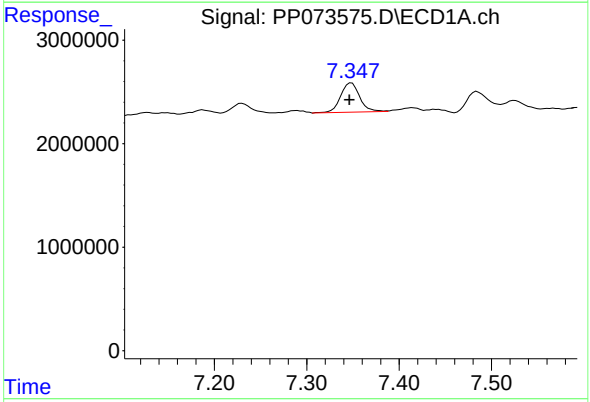
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



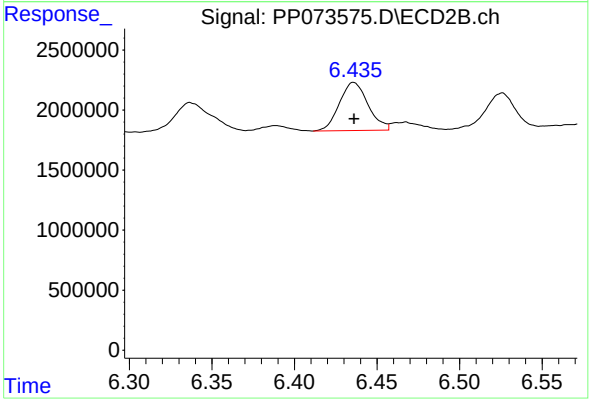
#28 AR-1254-3

R.T.: 6.207 min
Delta R.T.: -0.002 min
Response: 8163980
Conc: 53.68 ng/ml



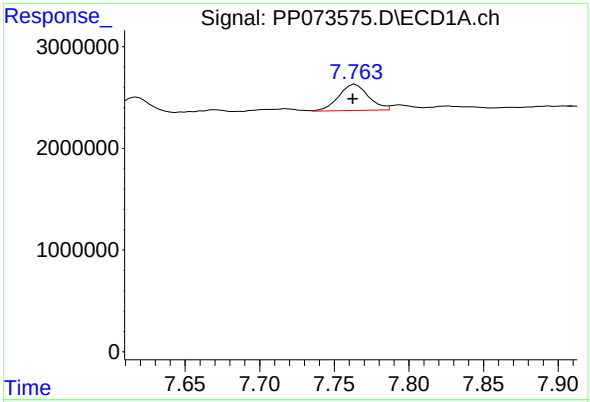
#29 AR-1254-4

R.T.: 7.347 min
Delta R.T.: 0.001 min
Response: 4061359
Conc: 51.03 ng/ml m



#29 AR-1254-4

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 4857854
Conc: 51.49 ng/ml



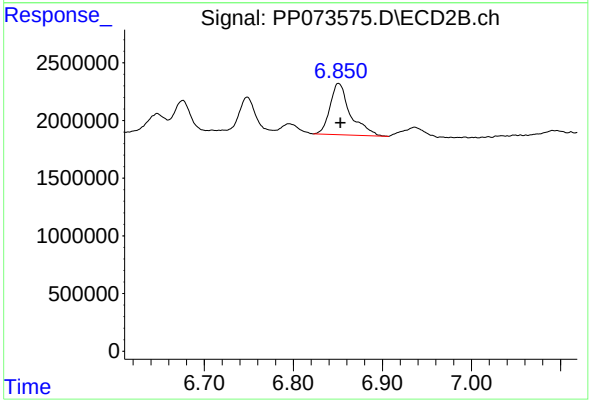
#30 AR-1254-5

R.T.: 7.764 min
Delta R.T.: 0.002 min
Response: 3548489
Conc: 47.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#30 AR-1254-5

R.T.: 6.851 min
Delta R.T.: -0.002 min
Response: 7039930
Conc: 53.85 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 03:49:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 03:49:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.779	69434570	94417779	50.000	50.000
2)	SA Decachlor...	10.177	8.781	57470872	69838496	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.065	6.889	43513643	73845842	500.000	500.000
37)	L8 AR-1262-2	8.383	7.147	99013762	63914528	500.000	500.000
38)	L8 AR-1262-3	8.697	7.669	62862521	57009497	500.000	500.000
39)	L8 AR-1262-4	8.782	7.735	46631386	92024537	500.000	500.000
40)	L8 AR-1262-5	9.432	8.231	31694688	42217822	500.000	500.000

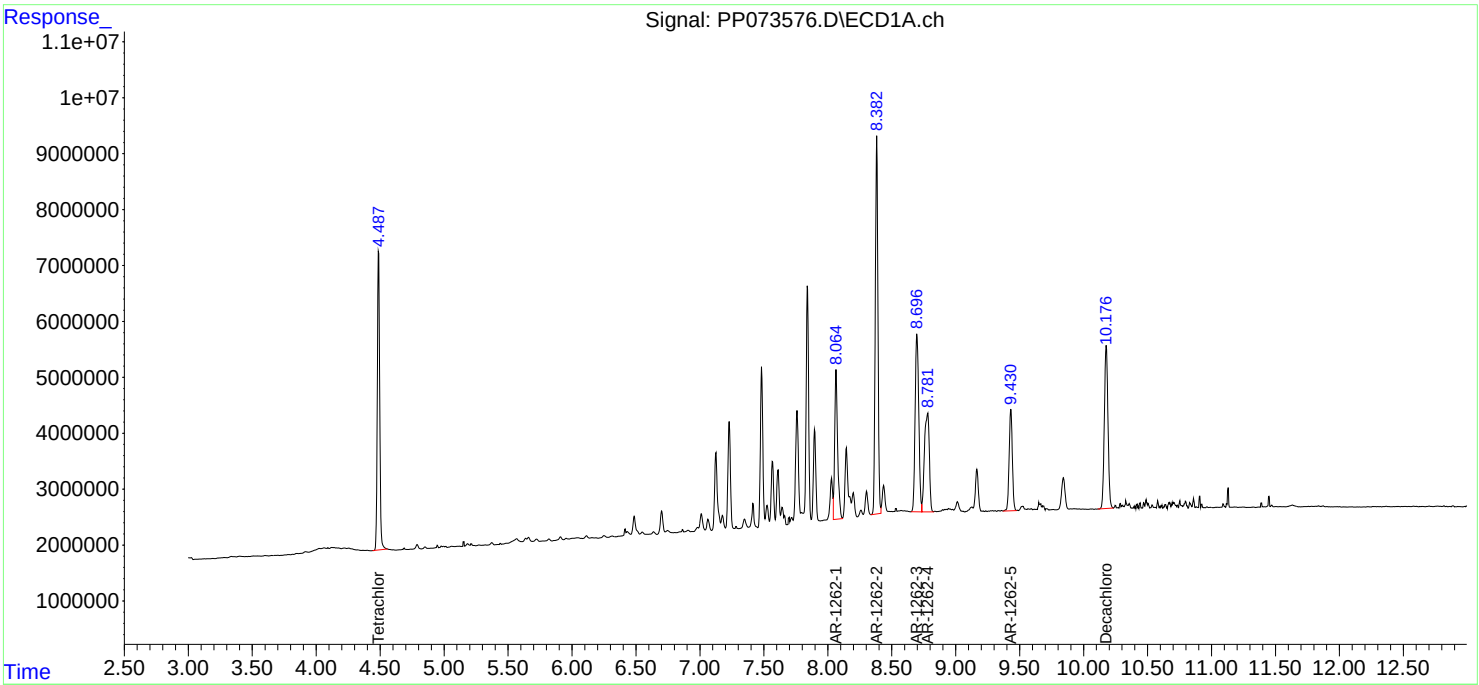
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

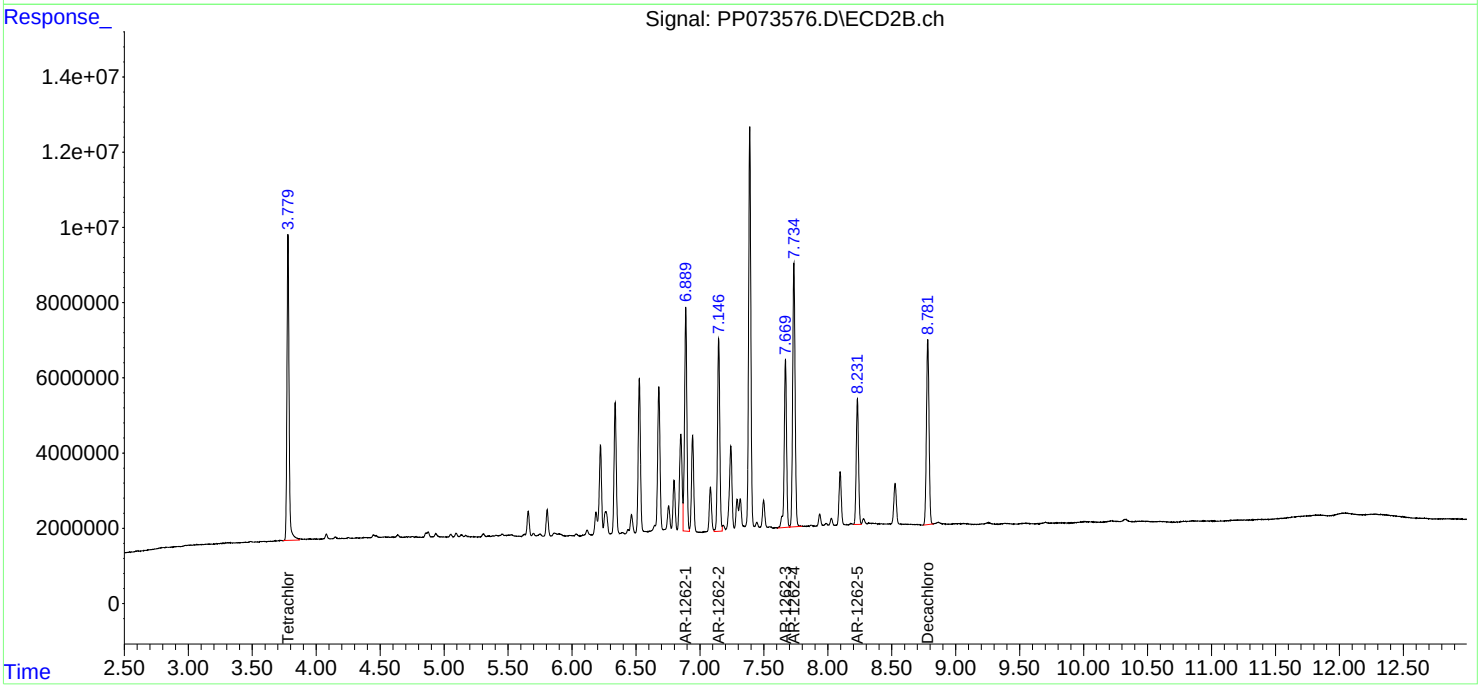
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

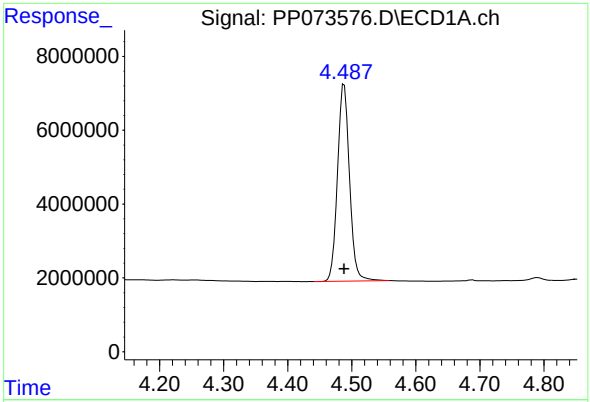
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 03:49:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 03:49:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



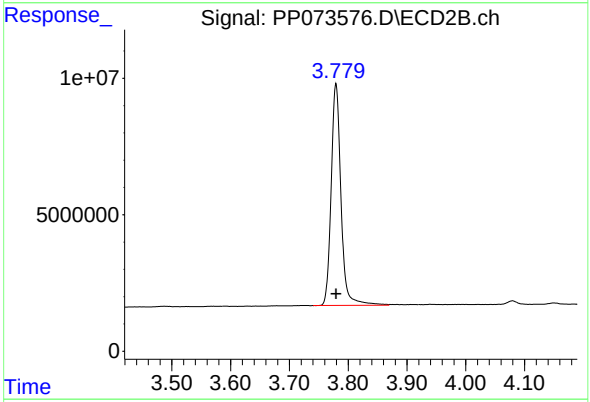




#1 Tetrachloro-m-xylene

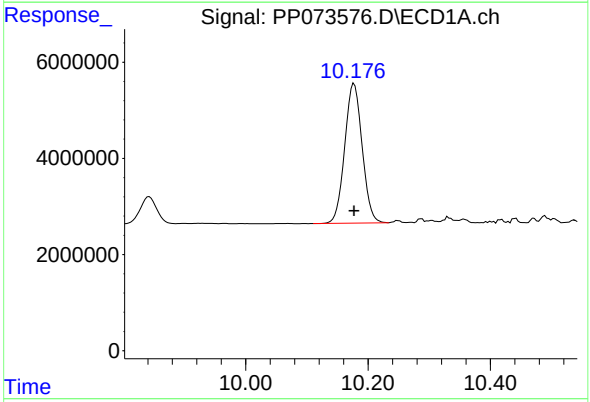
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 69434570
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



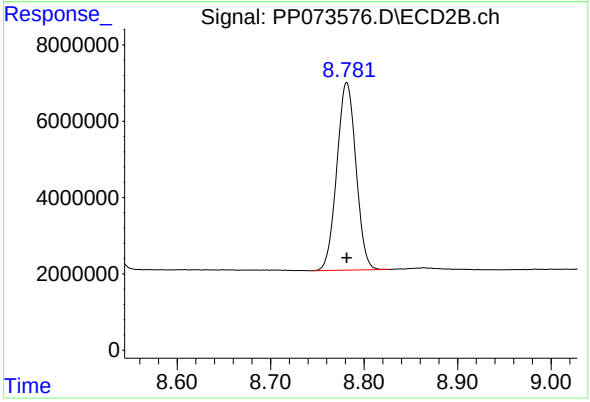
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 94417779
Conc: 50.00 ng/ml



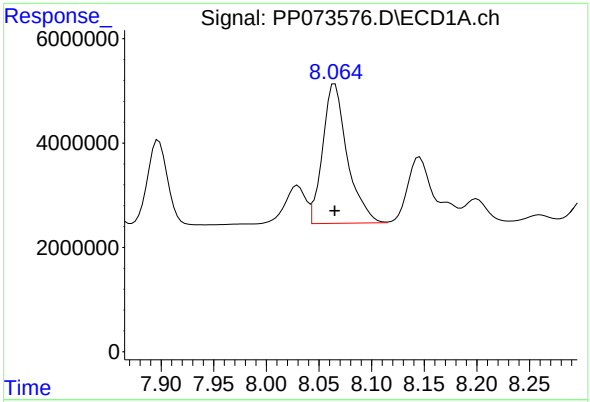
#2 Decachlorobiphenyl

R.T.: 10.177 min
Delta R.T.: 0.000 min
Response: 57470872
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

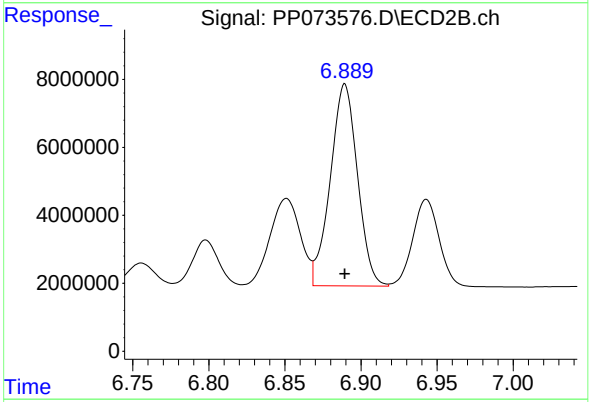
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 69838496
Conc: 50.00 ng/ml



#36 AR-1262-1

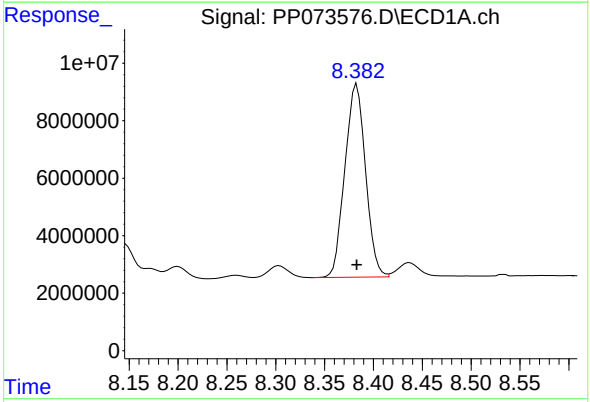
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 43513643
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



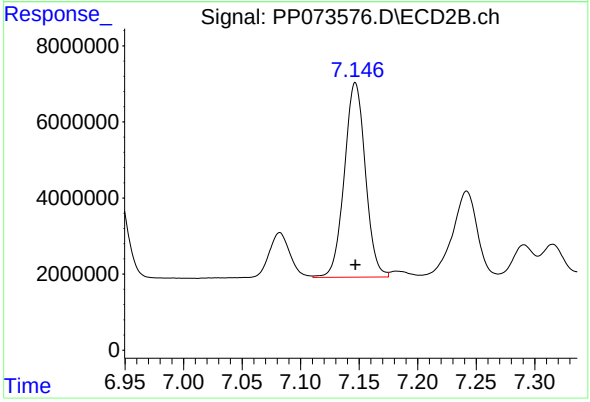
#36 AR-1262-1

R.T.: 6.889 min
Delta R.T.: 0.000 min
Response: 73845842
Conc: 500.00 ng/ml



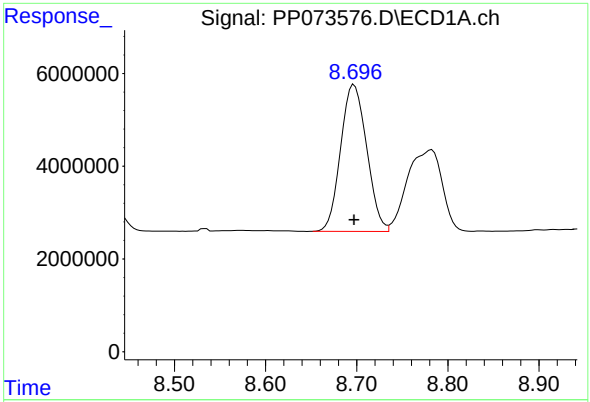
#37 AR-1262-2

R.T.: 8.383 min
Delta R.T.: 0.000 min
Response: 99013762
Conc: 500.00 ng/ml



#37 AR-1262-2

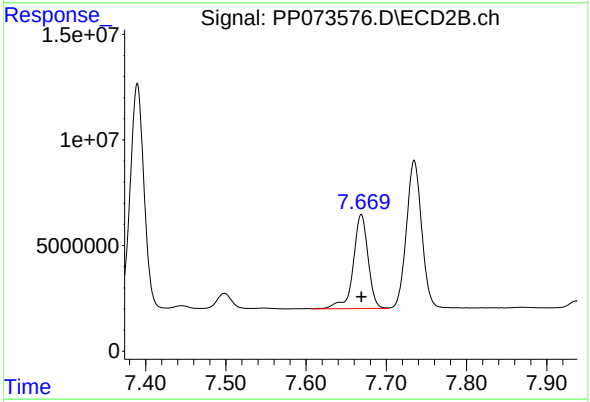
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 63914528
Conc: 500.00 ng/ml



#38 AR-1262-3

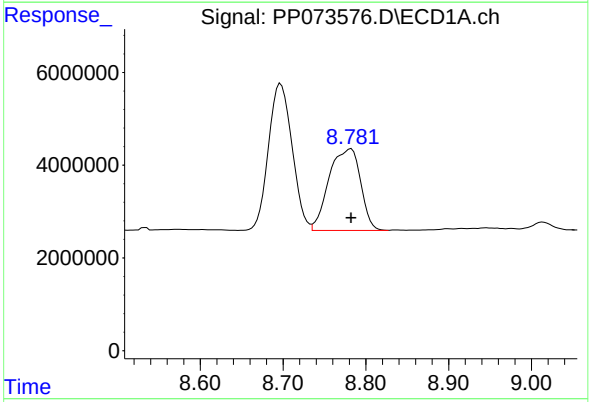
R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 62862521
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



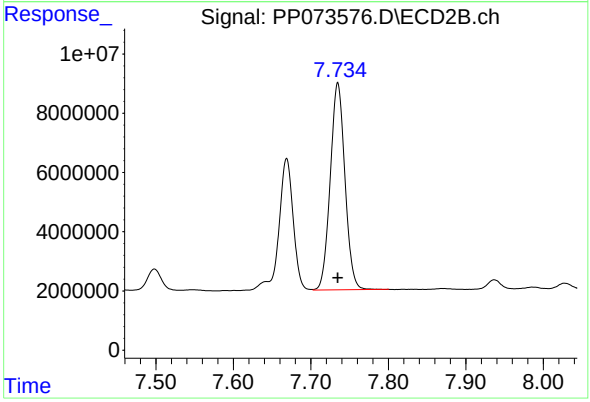
#38 AR-1262-3

R.T.: 7.669 min
Delta R.T.: 0.000 min
Response: 57009497
Conc: 500.00 ng/ml



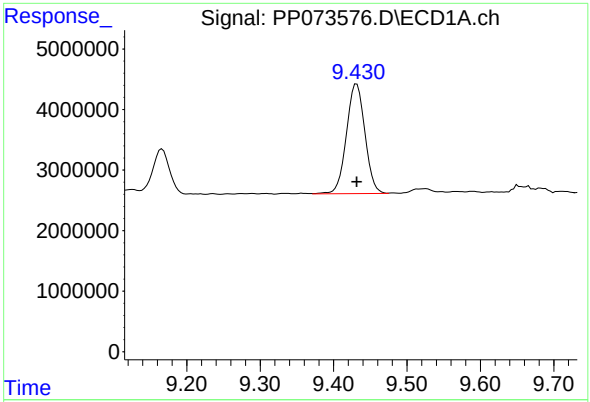
#39 AR-1262-4

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 46631386
Conc: 500.00 ng/ml



#39 AR-1262-4

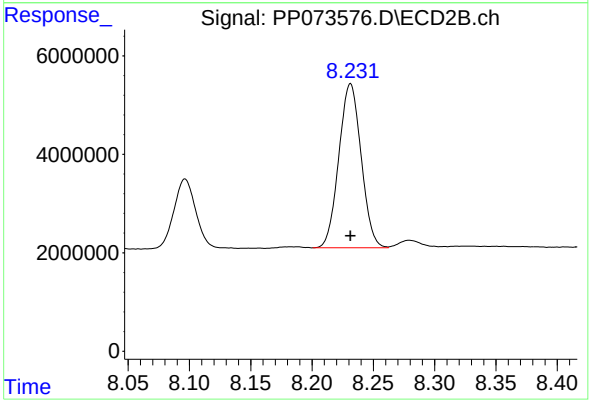
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 92024537
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.432 min
Delta R.T.: 0.000 min
Response: 31694688
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 42217822
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:19
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.487	3.780	135.2E6	186.6E6	95.477	96.310
2)	SA Decachlor...	10.175	8.780	197.8E6	239.6E6	96.151	94.525
	Target Compounds						
41)	L9 AR-1268-1	8.691	7.669	220.6E6	290.6E6	967.069	944.084
42)	L9 AR-1268-2	8.784	7.736	188.8E6	254.1E6	971.974	949.819
43)	L9 AR-1268-3	9.012	7.937	161.3E6	211.6E6	967.680	931.099
44)	L9 AR-1268-4	9.428	8.231	68937885	89640321	991.083	941.420
45)	L9 AR-1268-5	9.841	8.527	477.6E6	595.3E6	984.517	956.339

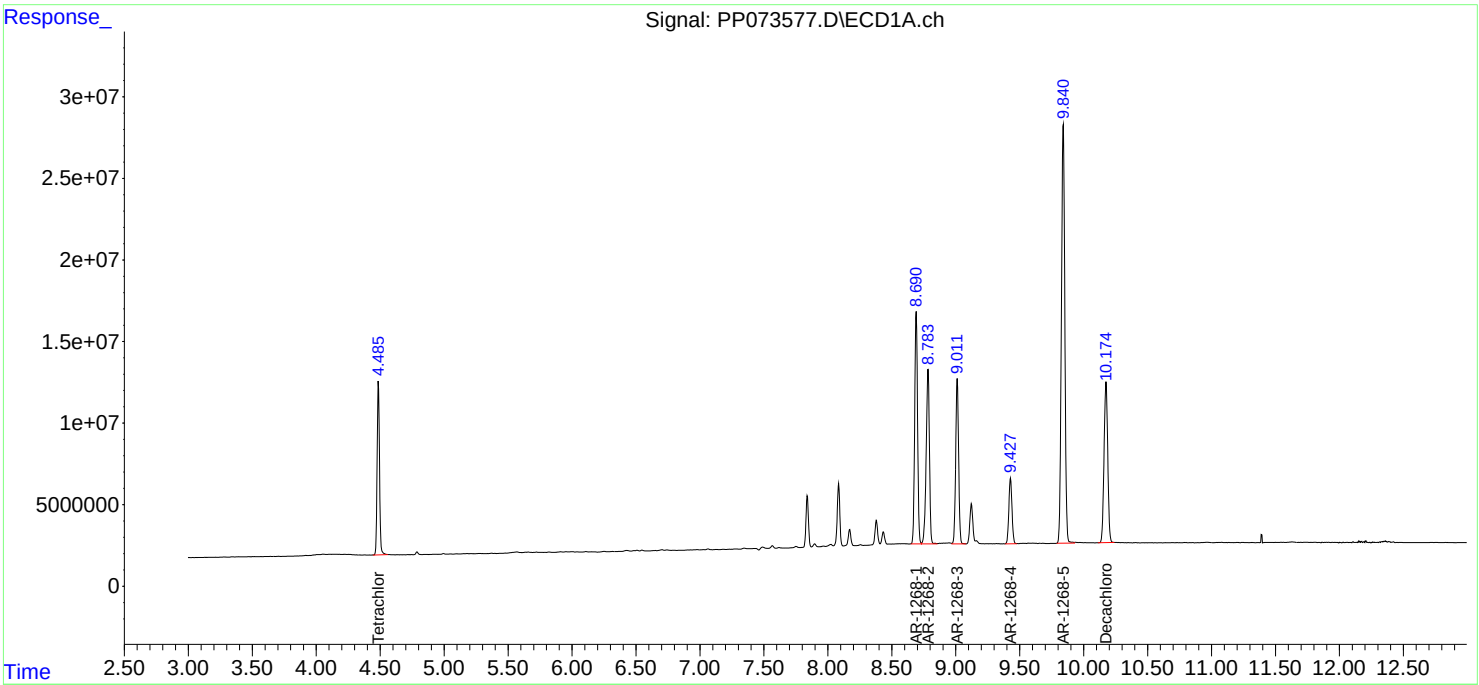
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

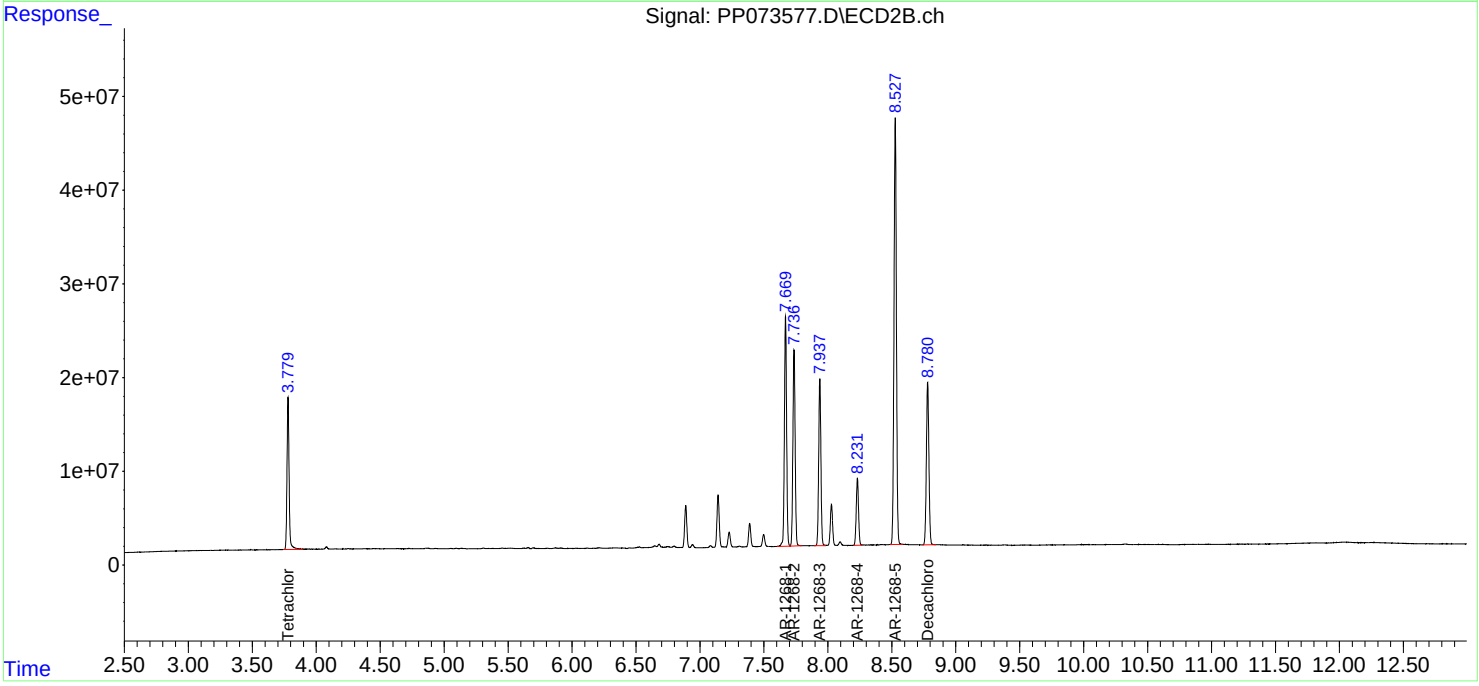
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:19
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

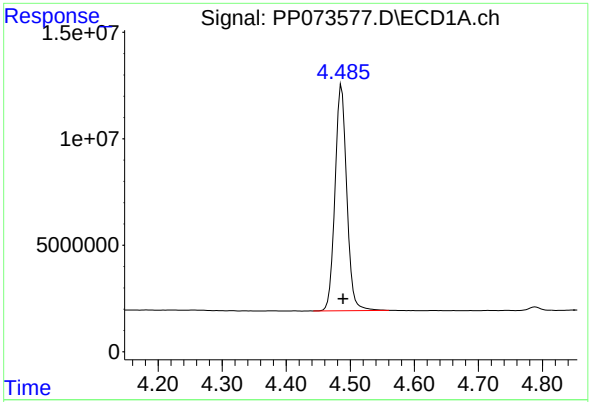
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



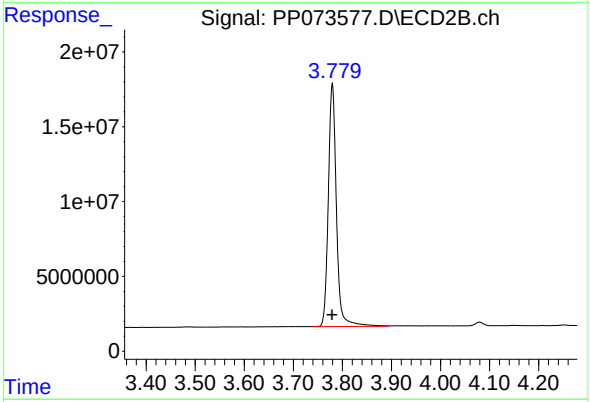




#1 Tetrachloro-m-xylene

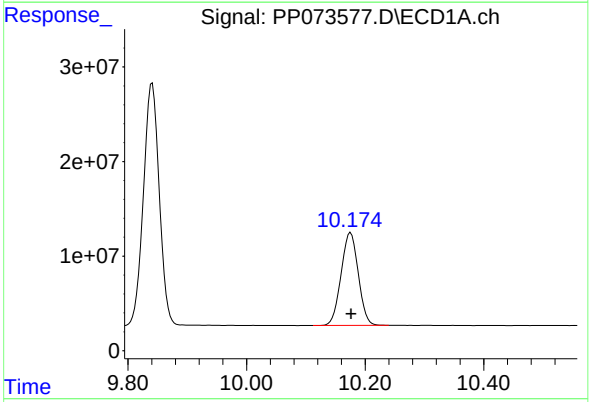
R.T.: 4.487 min
Delta R.T.: -0.002 min
Response: 135177400
Conc: 95.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



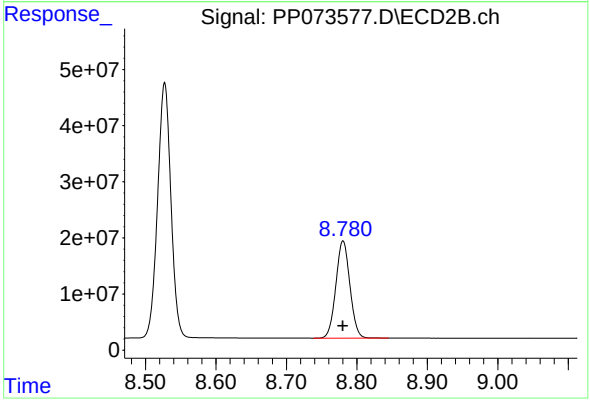
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 186628635
Conc: 96.31 ng/ml



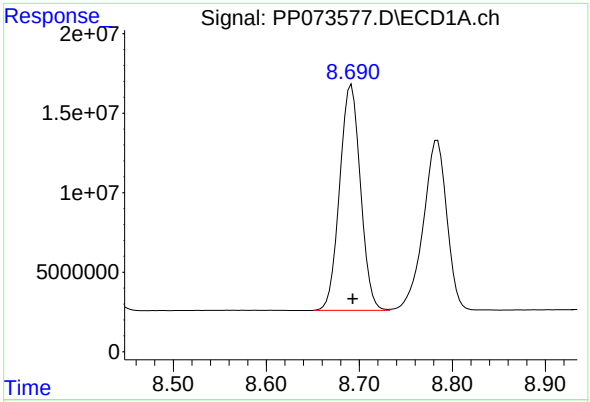
#2 Decachlorobiphenyl

R.T.: 10.175 min
Delta R.T.: -0.001 min
Response: 197787493
Conc: 96.15 ng/ml



#2 Decachlorobiphenyl

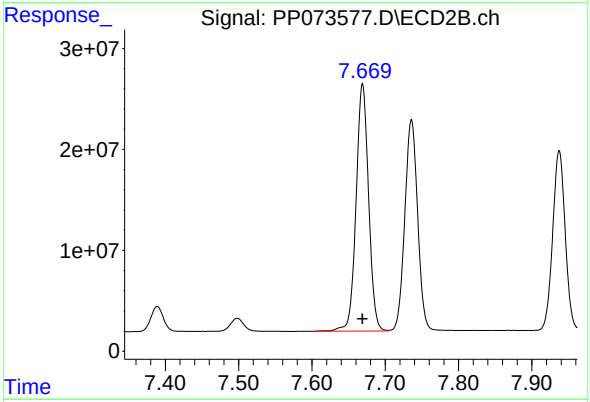
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 239622927
Conc: 94.53 ng/ml



#41 AR-1268-1

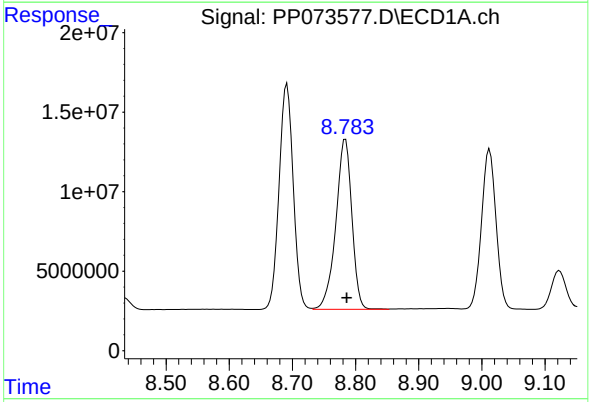
R.T.: 8.691 min
Delta R.T.: -0.001 min
Response: 220572869
Conc: 967.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



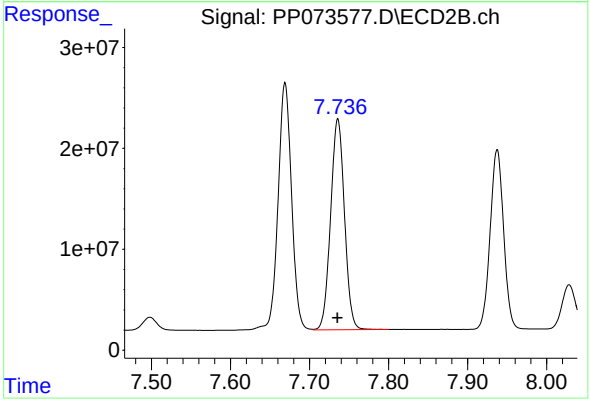
#41 AR-1268-1

R.T.: 7.669 min
Delta R.T.: 0.000 min
Response: 290584667
Conc: 944.08 ng/ml



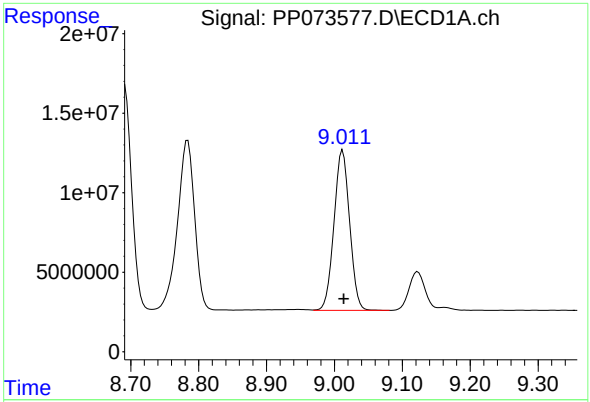
#42 AR-1268-2

R.T.: 8.784 min
Delta R.T.: -0.002 min
Response: 188785361
Conc: 971.97 ng/ml



#42 AR-1268-2

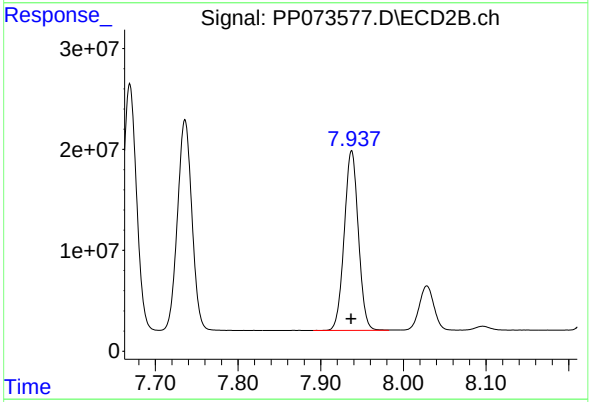
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 254148086
Conc: 949.82 ng/ml



#43 AR-1268-3

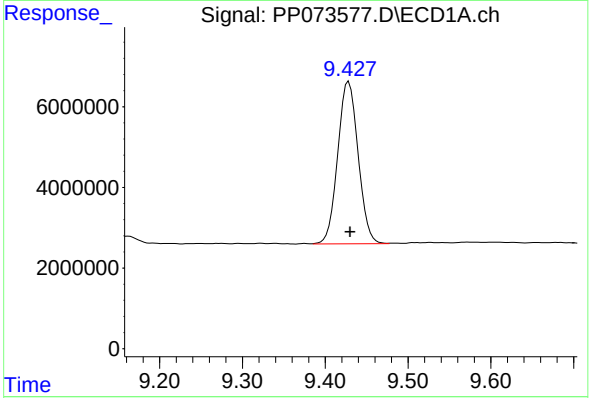
R.T.: 9.012 min
Delta R.T.: -0.002 min
Response: 161320167
Conc: 967.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



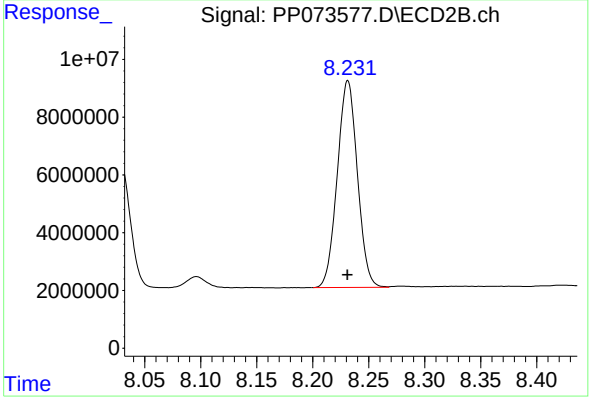
#43 AR-1268-3

R.T.: 7.937 min
Delta R.T.: 0.000 min
Response: 211648098
Conc: 931.10 ng/ml



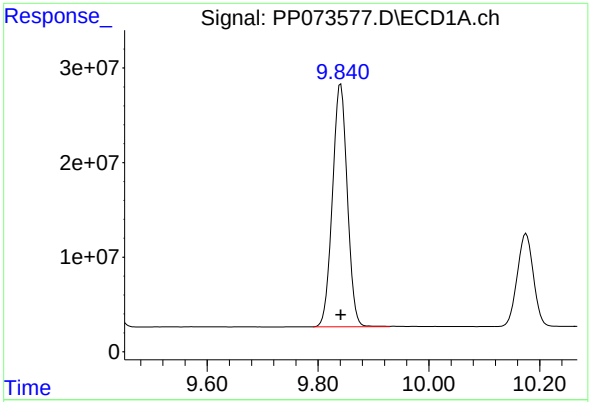
#44 AR-1268-4

R.T.: 9.428 min
Delta R.T.: -0.002 min
Response: 68937885
Conc: 991.08 ng/ml



#44 AR-1268-4

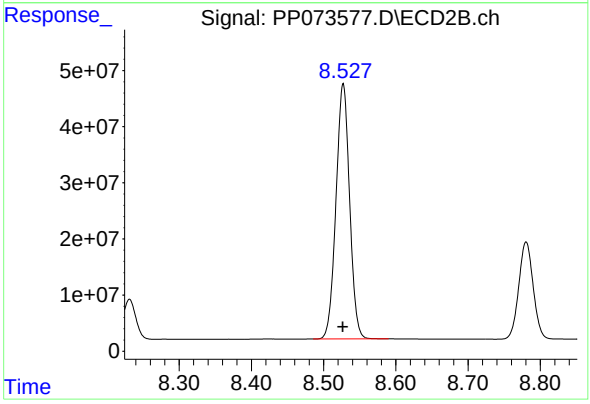
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 89640321
Conc: 941.42 ng/ml



#45 AR-1268-5

R.T.: 9.841 min
Delta R.T.: 0.000 min
Response: 477643268
Conc: 984.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.527 min
Delta R.T.: 0.000 min
Response: 595257746
Conc: 956.34 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:35
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.486	3.779	104.3E6	146.5E6	73.649	75.624
2)	SA Decachlor...	10.176	8.780	151.6E6	191.8E6	73.695	75.646
	Target Compounds						
41)	L9 AR-1268-1	8.691	7.668	168.8E6	230.7E6	740.295	749.493
42)	L9 AR-1268-2	8.785	7.735	144.0E6	200.8E6	741.630	750.427
43)	L9 AR-1268-3	9.013	7.936	123.3E6	169.4E6	739.524	745.141
44)	L9 AR-1268-4	9.430	8.230	52353473	71323535	752.658	749.054
45)	L9 AR-1268-5	9.841	8.526	354.6E6	478.2E6	730.874	768.335

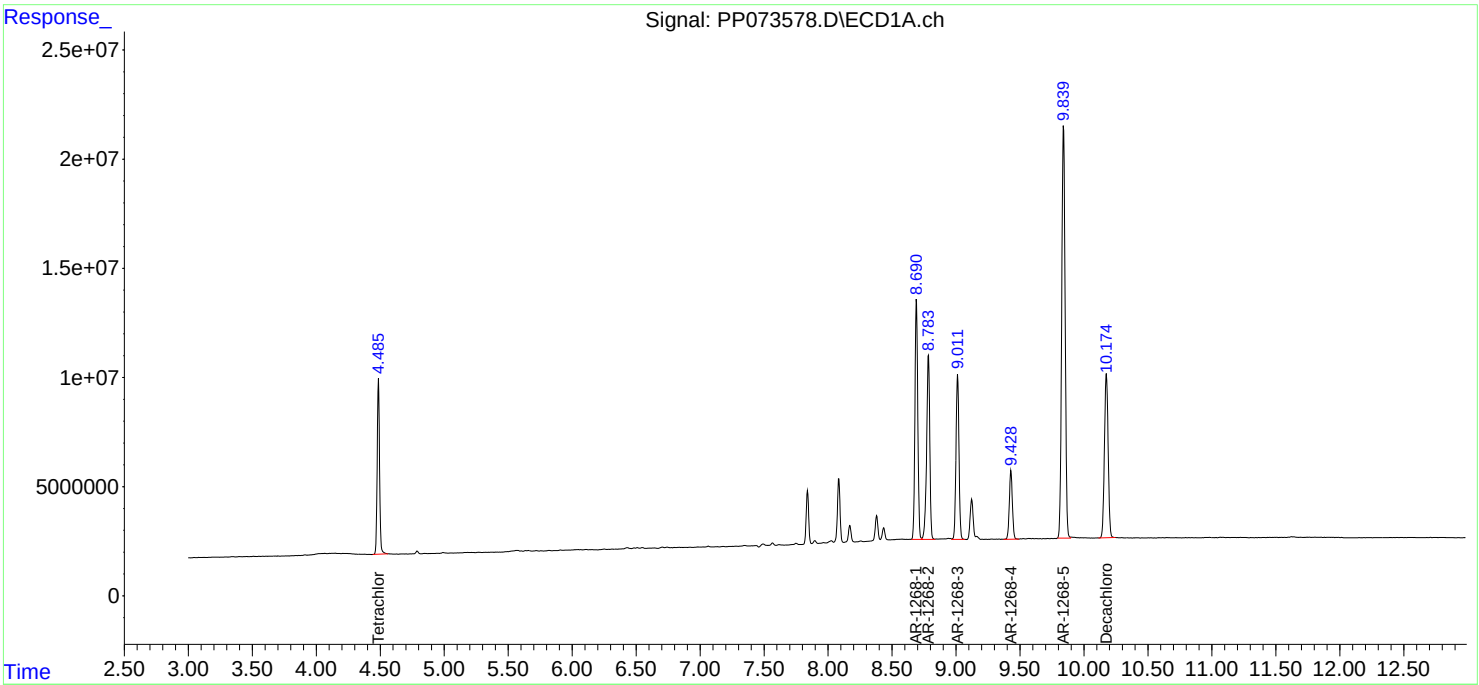
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

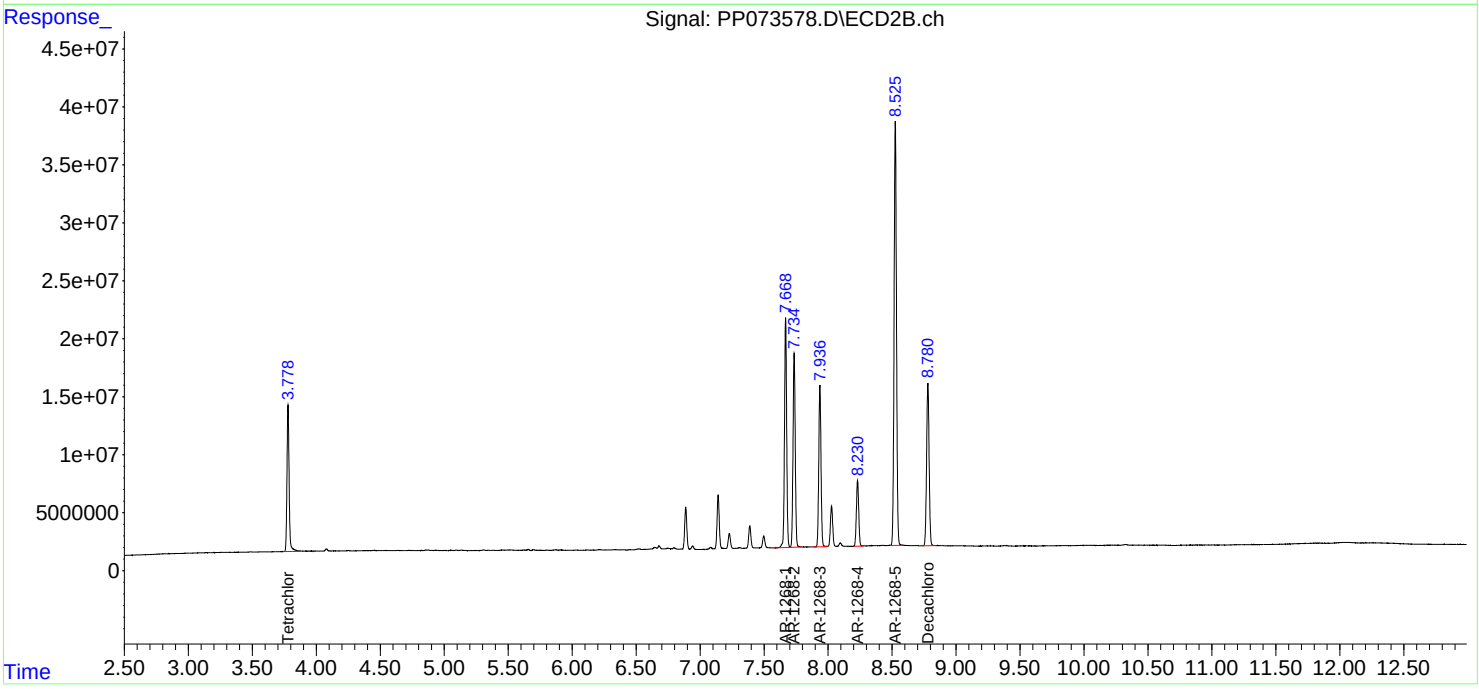
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:35
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

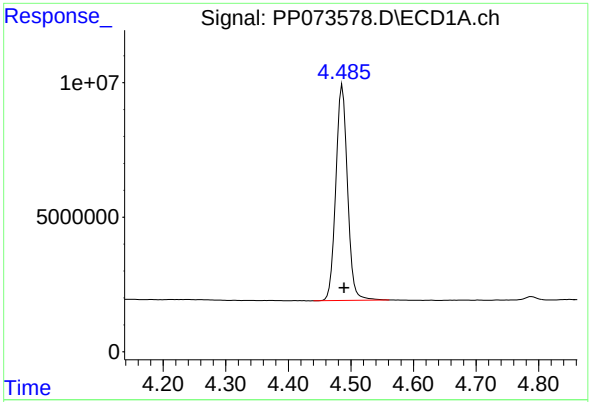
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



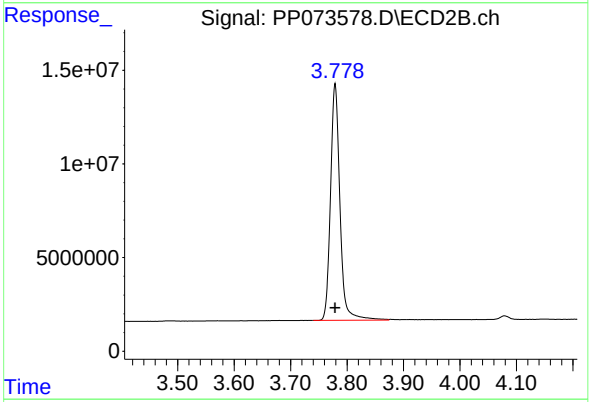




#1 Tetrachloro-m-xylene

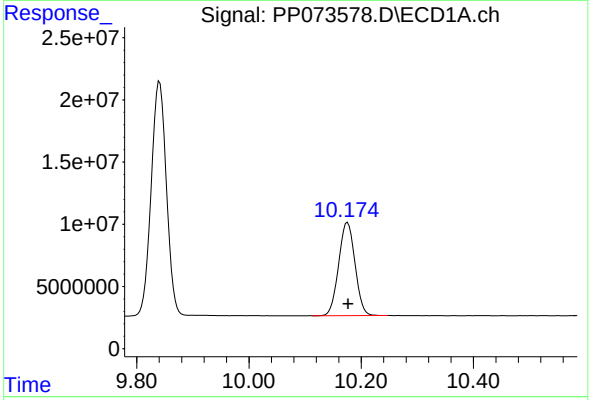
R.T.: 4.486 min
Delta R.T.: -0.003 min
Response: 104273280
Conc: 73.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



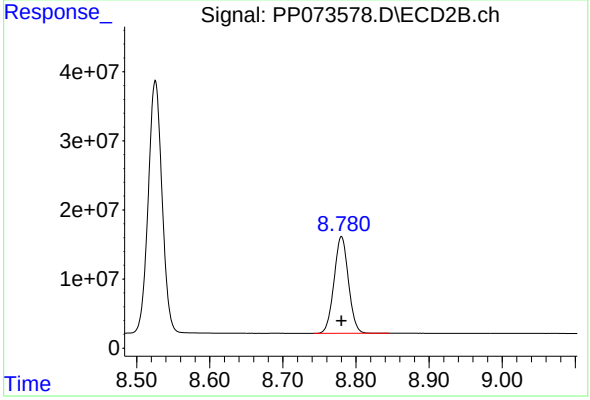
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 146543238
Conc: 75.62 ng/ml



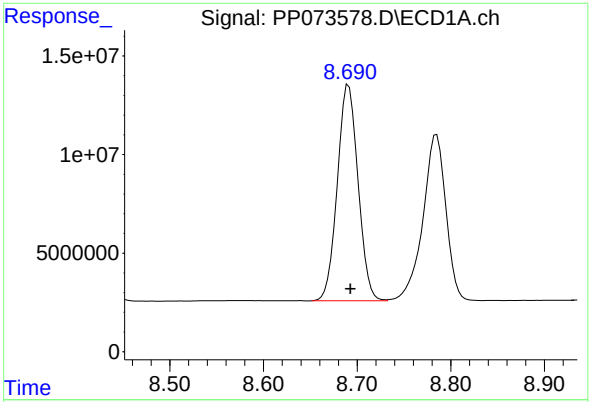
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 151594121
Conc: 73.69 ng/ml



#2 Decachlorobiphenyl

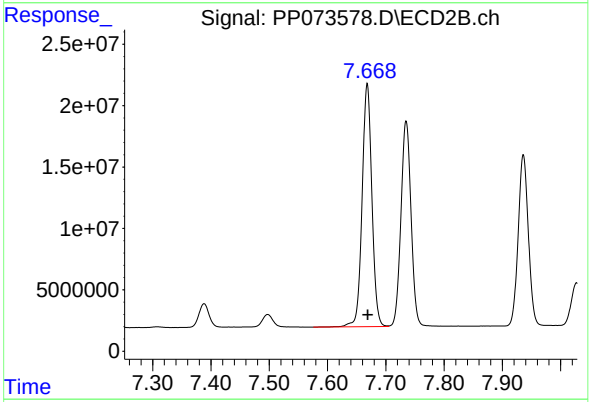
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 191764517
Conc: 75.65 ng/ml



#41 AR-1268-1

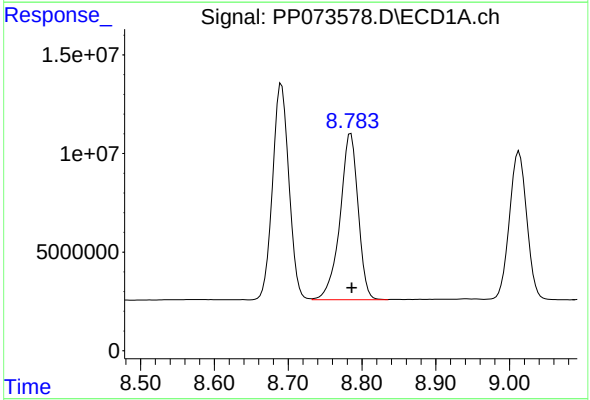
R.T.: 8.691 min
Delta R.T.: -0.002 min
Response: 168849400
Conc: 740.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



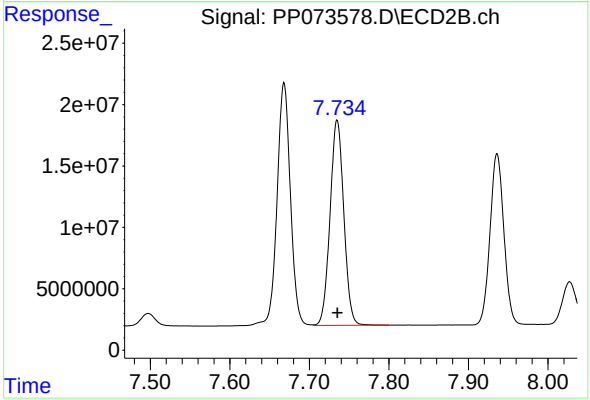
#41 AR-1268-1

R.T.: 7.668 min
Delta R.T.: 0.000 min
Response: 230690543
Conc: 749.49 ng/ml



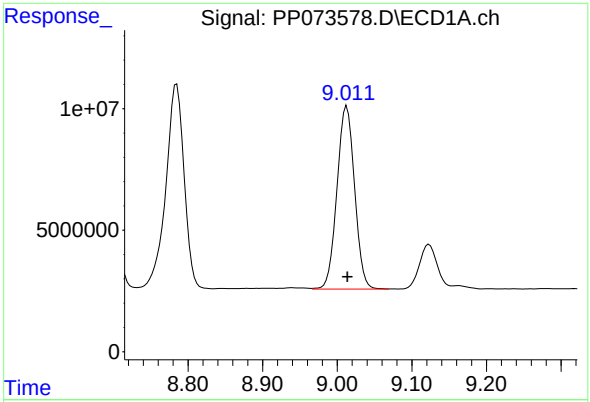
#42 AR-1268-2

R.T.: 8.785 min
Delta R.T.: -0.001 min
Response: 144045759
Conc: 741.63 ng/ml



#42 AR-1268-2

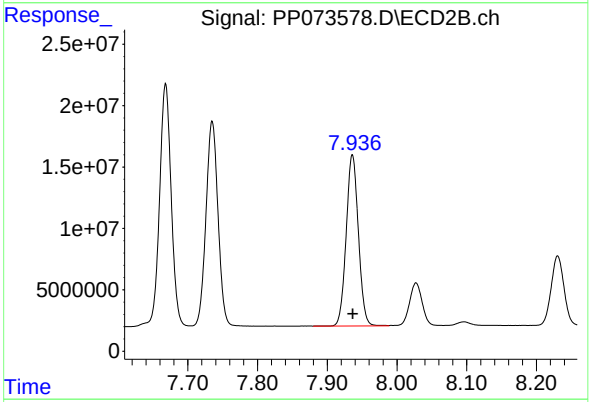
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 200795854
Conc: 750.43 ng/ml



#43 AR-1268-3

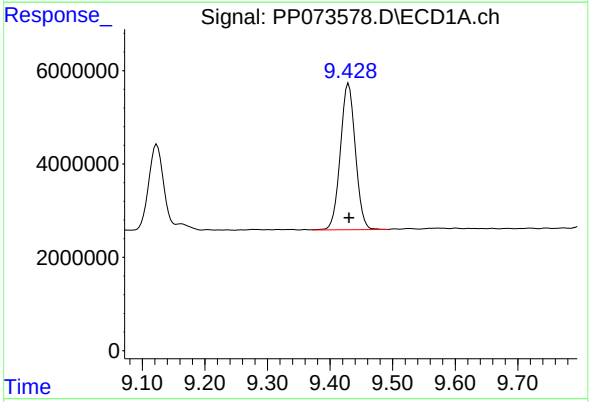
R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 123284607
Conc: 739.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



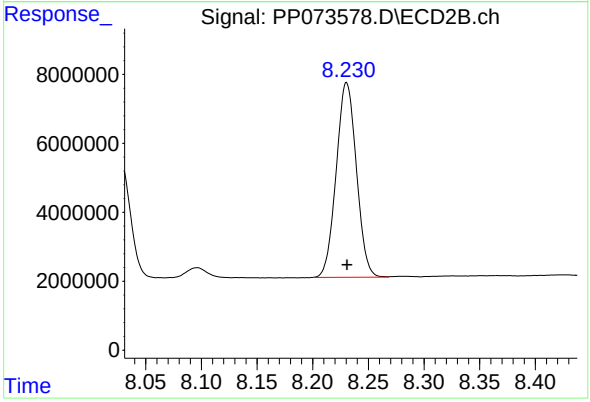
#43 AR-1268-3

R.T.: 7.936 min
Delta R.T.: 0.000 min
Response: 169377934
Conc: 745.14 ng/ml



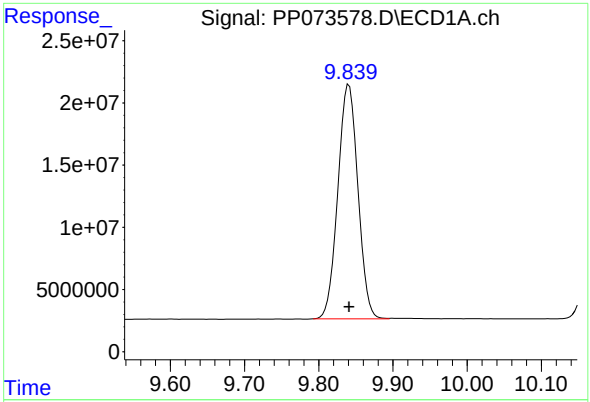
#44 AR-1268-4

R.T.: 9.430 min
Delta R.T.: 0.000 min
Response: 52353473
Conc: 752.66 ng/ml



#44 AR-1268-4

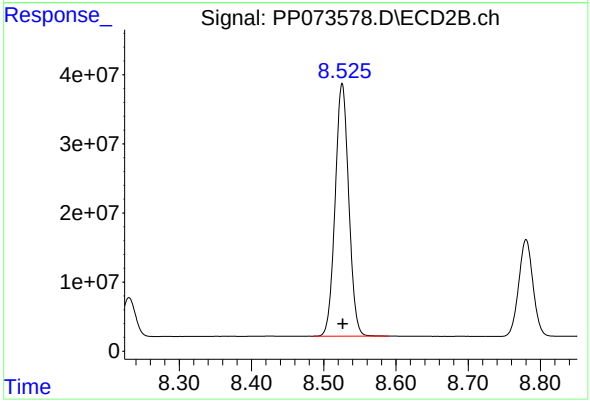
R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 71323535
Conc: 749.05 ng/ml



#45 AR-1268-5

R.T.: 9.841 min
Delta R.T.: 0.000 min
Response: 354587033
Conc: 730.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.526 min
Delta R.T.: 0.000 min
Response: 478238089
Conc: 768.34 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:52
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.779	70790889	96889578	50.000	50.000
2)	SA Decachlor...	10.177	8.780	102.9E6	126.8E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.693	7.669	114.0E6	153.9E6	500.000	500.000
42)	L9 AR-1268-2	8.786	7.735	97114359	133.8E6	500.000	500.000
43)	L9 AR-1268-3	9.014	7.937	83354053	113.7E6	500.000	500.000
44)	L9 AR-1268-4	9.430	8.231	34779057	47609088	500.000	500.000
45)	L9 AR-1268-5	9.841	8.527	242.6E6	311.2E6	500.000	500.000

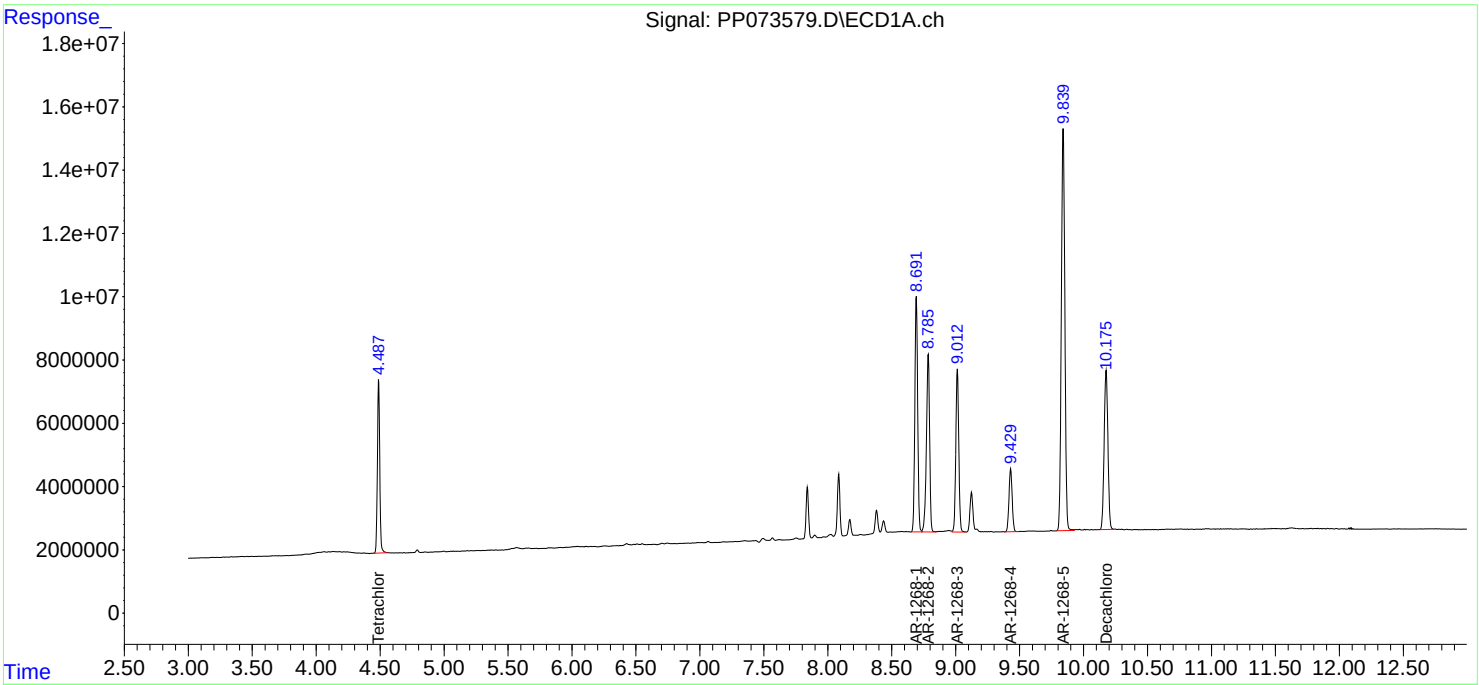
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

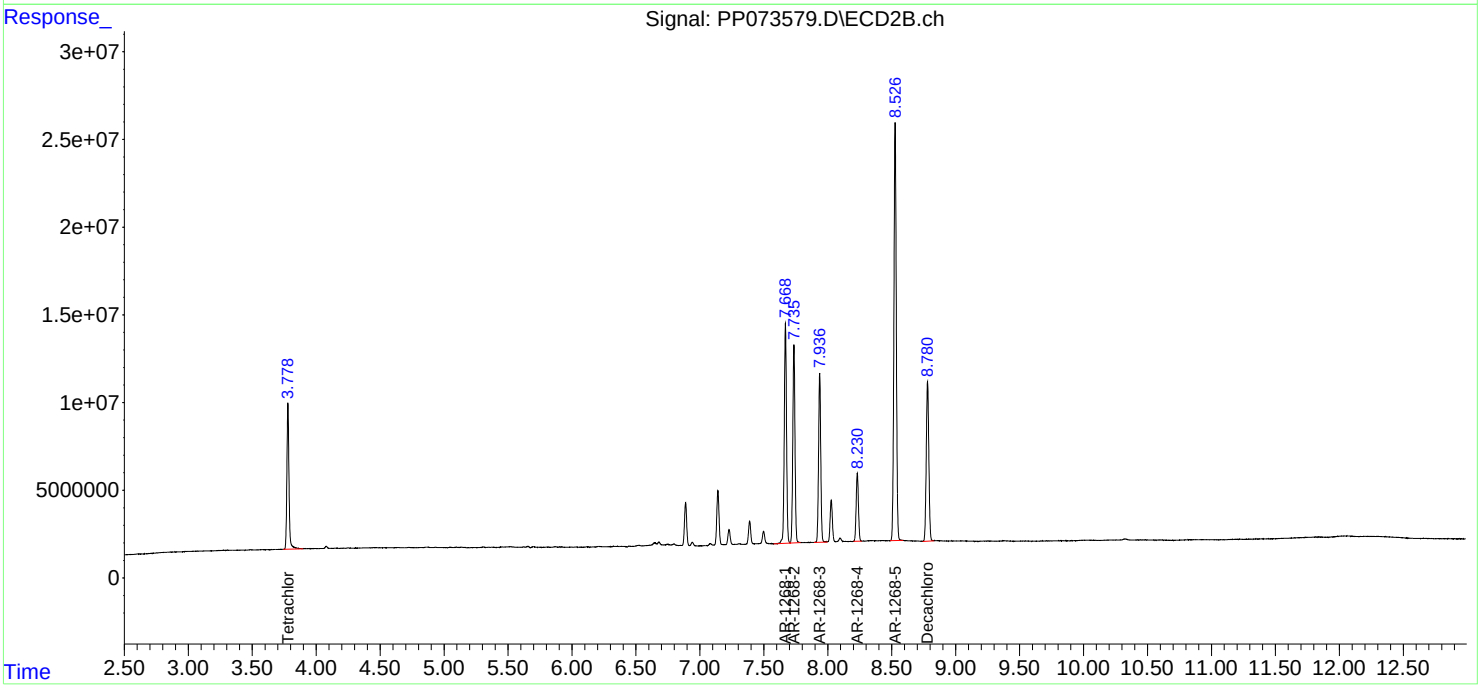
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:52
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

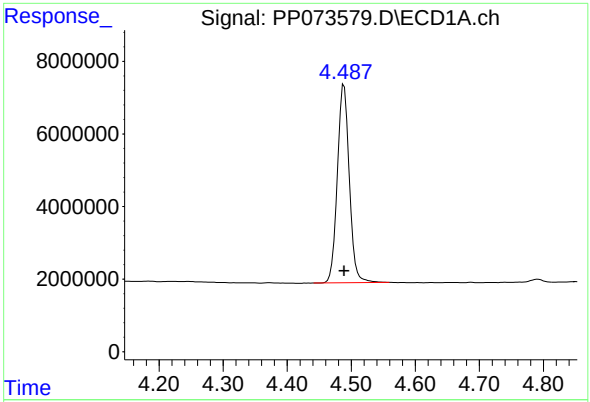
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



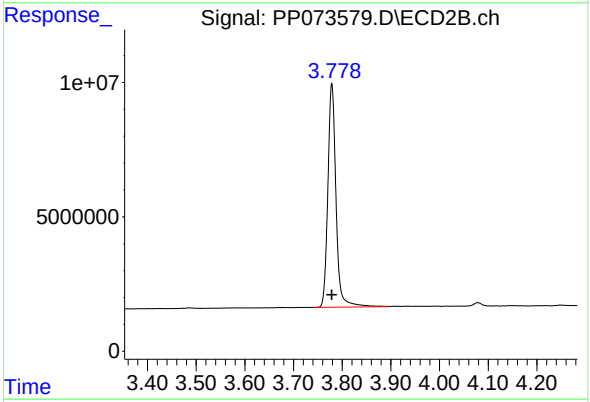




#1 Tetrachloro-m-xylene

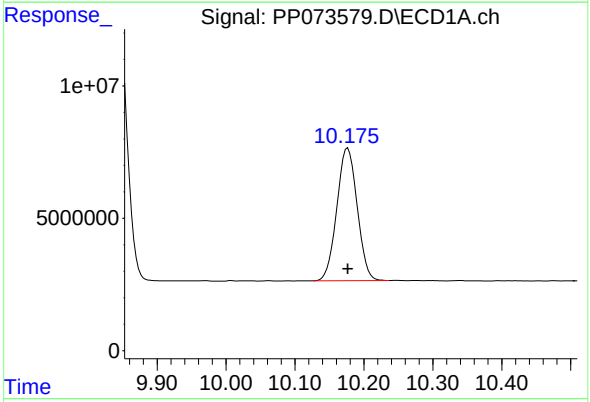
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 70790889
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



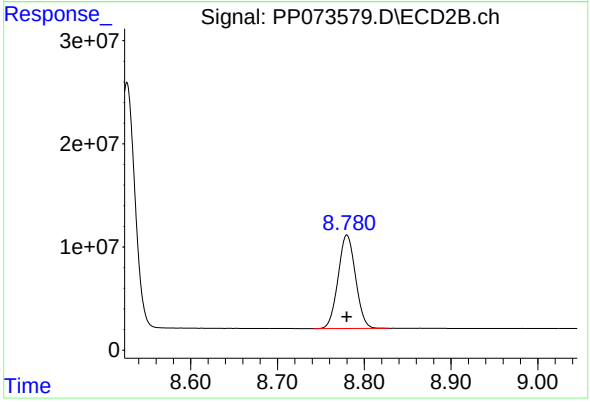
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 96889578
Conc: 50.00 ng/ml



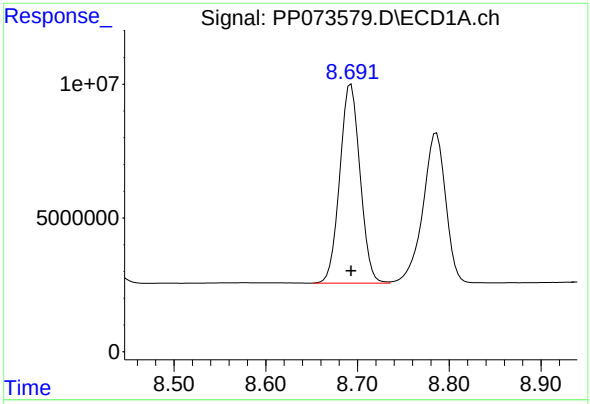
#2 Decachlorobiphenyl

R.T.: 10.177 min
Delta R.T.: 0.000 min
Response: 102852384
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

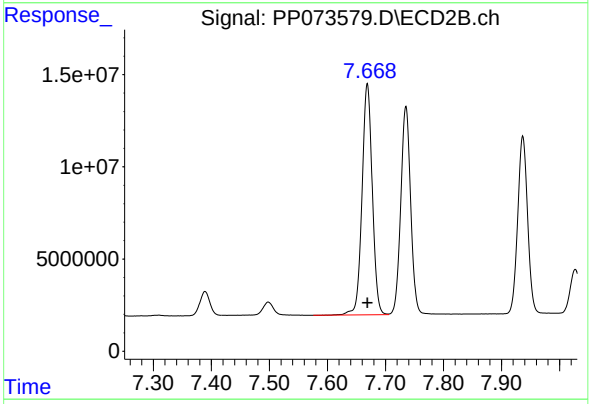
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 126750897
Conc: 50.00 ng/ml



#41 AR-1268-1

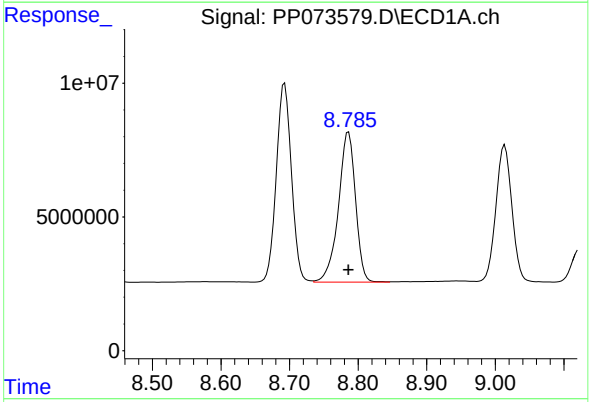
R.T.: 8.693 min
Delta R.T.: 0.000 min
Response: 114041971
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



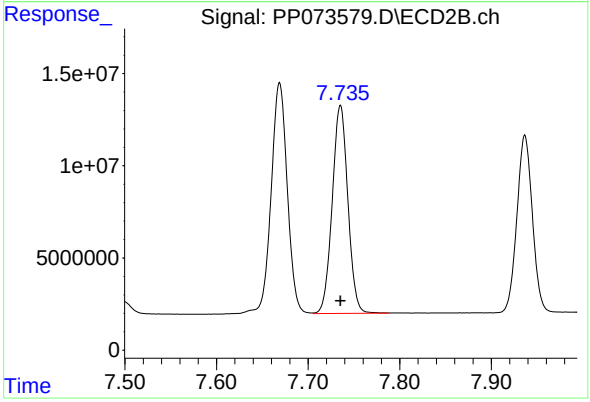
#41 AR-1268-1

R.T.: 7.669 min
Delta R.T.: 0.000 min
Response: 153897638
Conc: 500.00 ng/ml



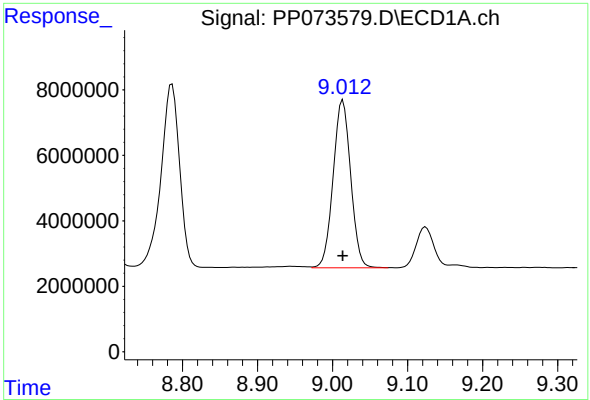
#42 AR-1268-2

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 97114359
Conc: 500.00 ng/ml



#42 AR-1268-2

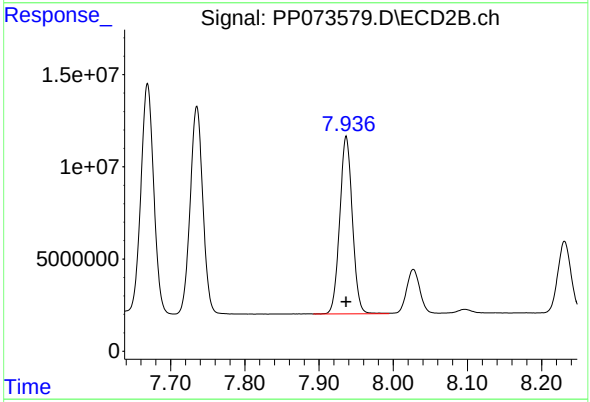
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 133787705
Conc: 500.00 ng/ml



#43 AR-1268-3

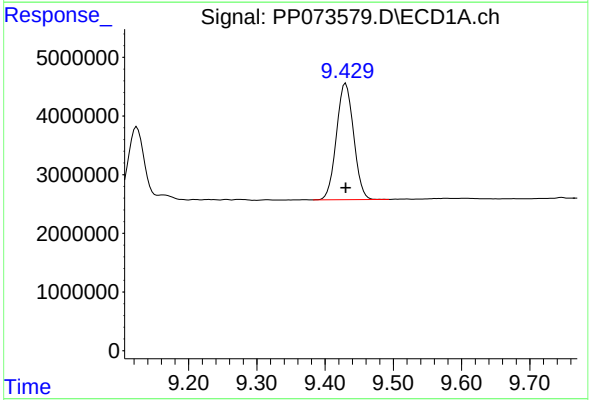
R.T.: 9.014 min
Delta R.T.: 0.000 min
Response: 83354053
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



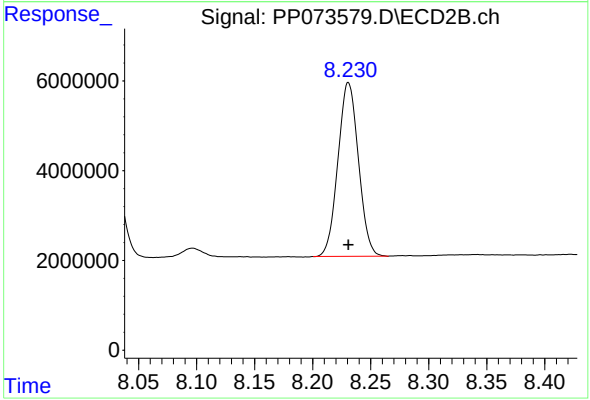
#43 AR-1268-3

R.T.: 7.937 min
Delta R.T.: 0.000 min
Response: 113654967
Conc: 500.00 ng/ml



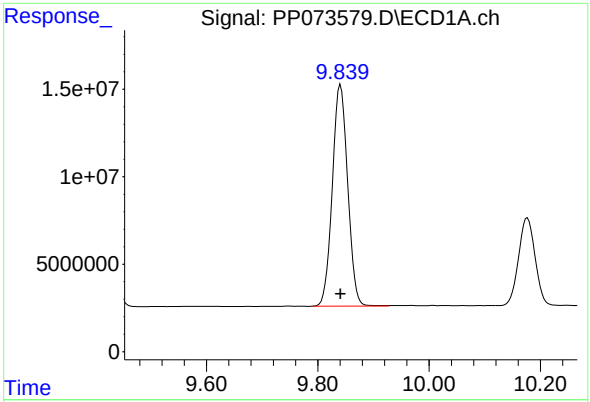
#44 AR-1268-4

R.T.: 9.430 min
Delta R.T.: 0.000 min
Response: 34779057
Conc: 500.00 ng/ml



#44 AR-1268-4

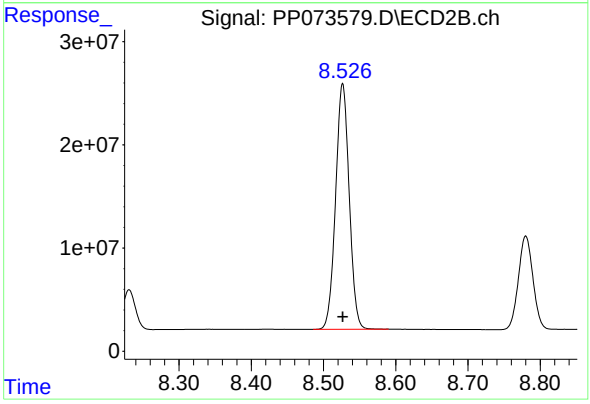
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 47609088
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.841 min
Delta R.T.: 0.000 min
Response: 242577379
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.527 min
Delta R.T.: 0.000 min
Response: 311217072
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:08
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.779	37383725	50542988	26.404	26.083
2)	SA Decachlor...	10.171	8.781	54731552	67087696	26.607	26.464
	Target Compounds						
41)	L9 AR-1268-1	8.690	7.668	59422367	80900824	260.528	262.840m
42)	L9 AR-1268-2	8.783	7.735	50730840	70740492	261.191	264.376
43)	L9 AR-1268-3	9.010	7.936	43805027	60554343	262.765	266.395
44)	L9 AR-1268-4	9.428	8.231	18771767	24970476	269.872	262.245
45)	L9 AR-1268-5	9.839	8.525	124.3E6	162.7E6	256.278	261.384

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:08
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

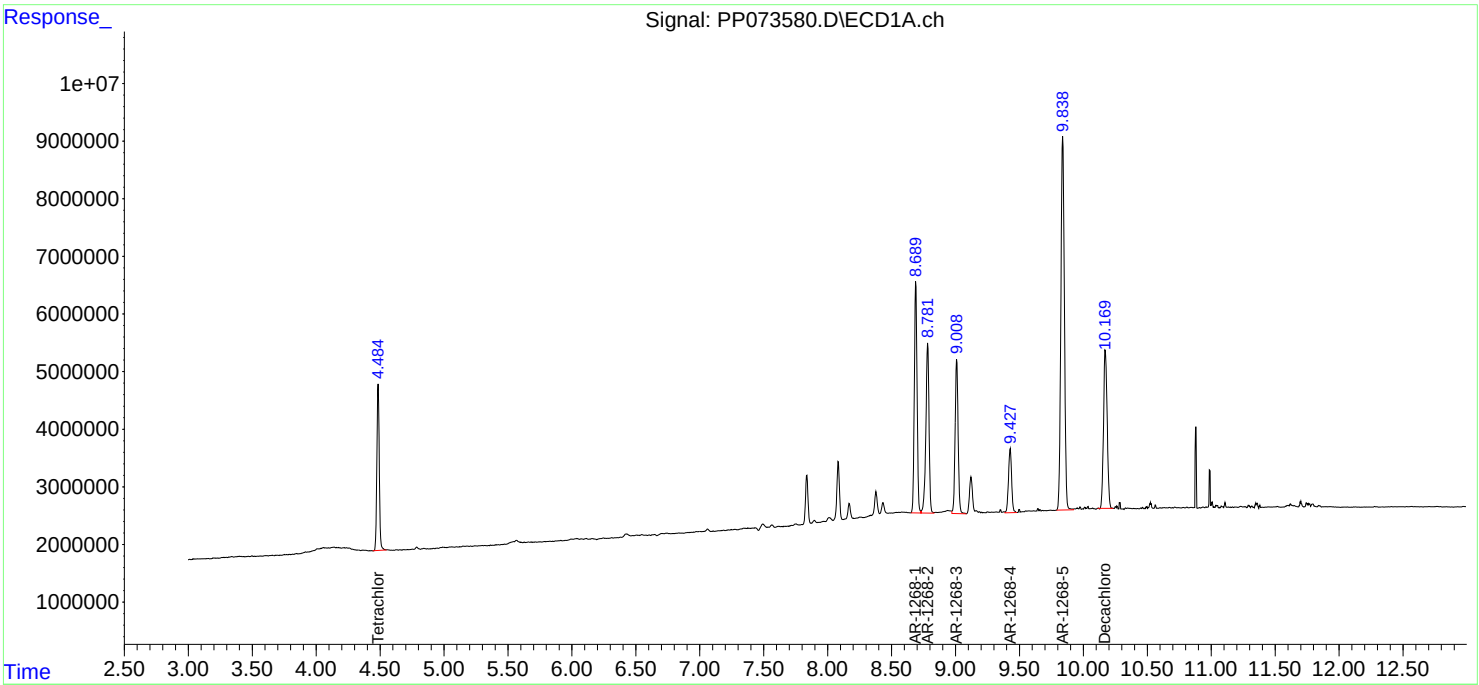
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

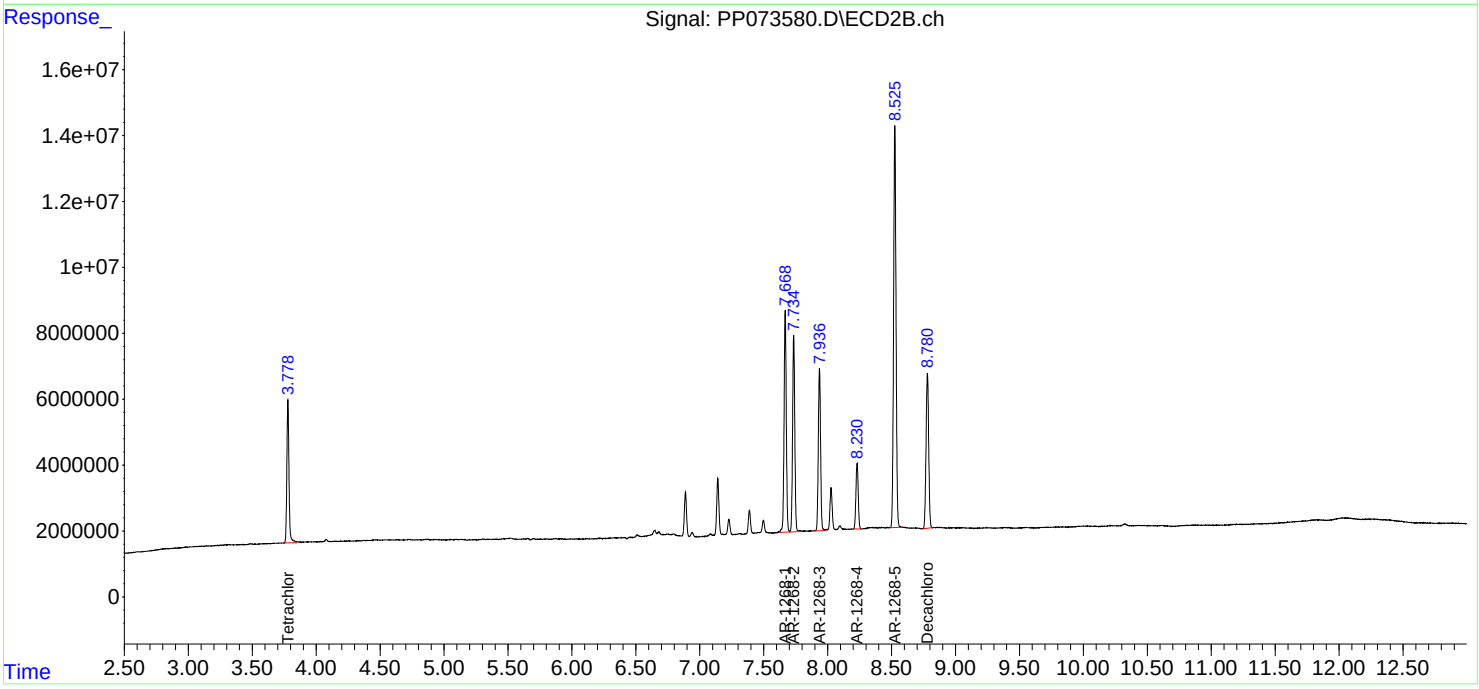
Manual Integrations APPROVED

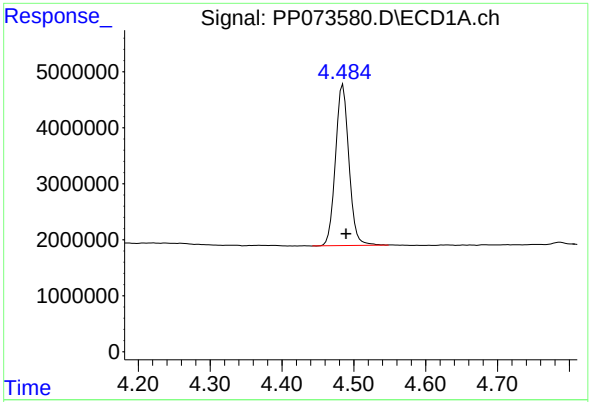
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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







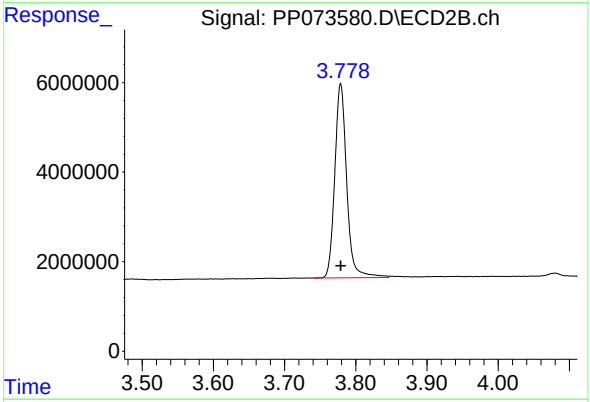
#1 Tetrachloro-m-xylene

R.T.: 4.485 min
Delta R.T.: -0.004 min
Response: 37383725
Conc: 26.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

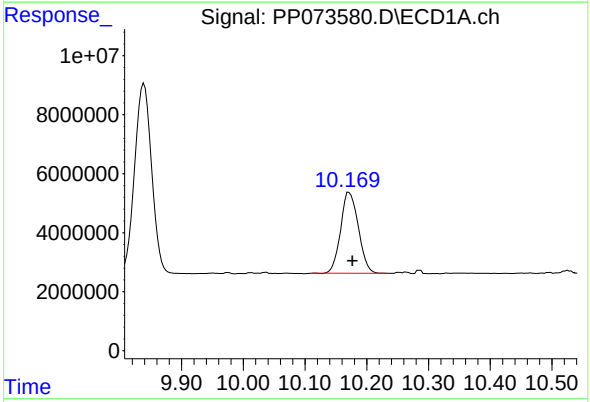
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



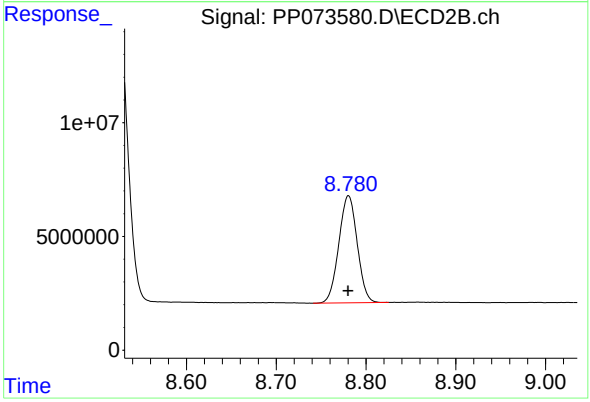
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 50542988
Conc: 26.08 ng/ml



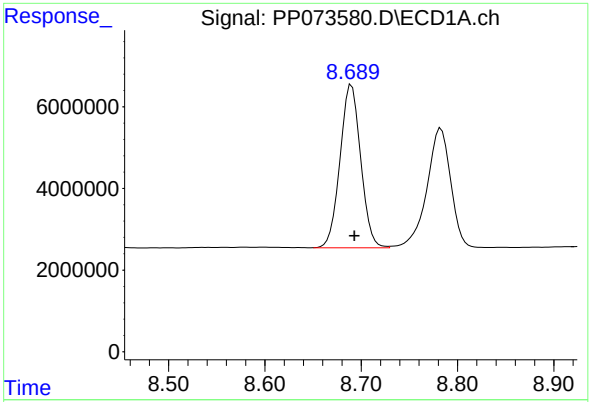
#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 54731552
Conc: 26.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 67087696
Conc: 26.46 ng/ml



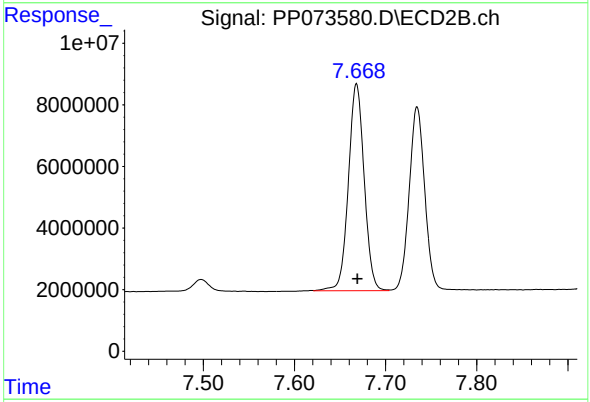
#41 AR-1268-1

R.T.: 8.690 min
Delta R.T.: -0.003 min
Response: 59422367
Conc: 260.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

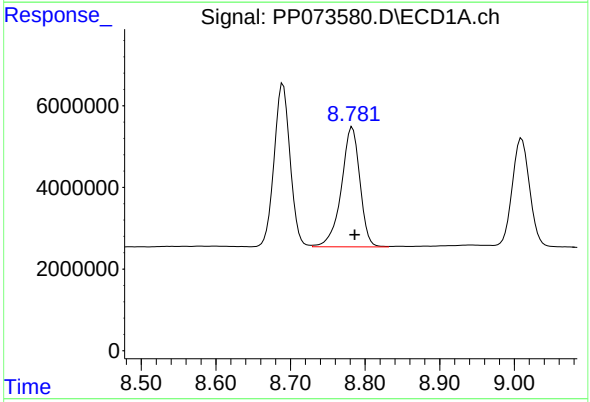
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



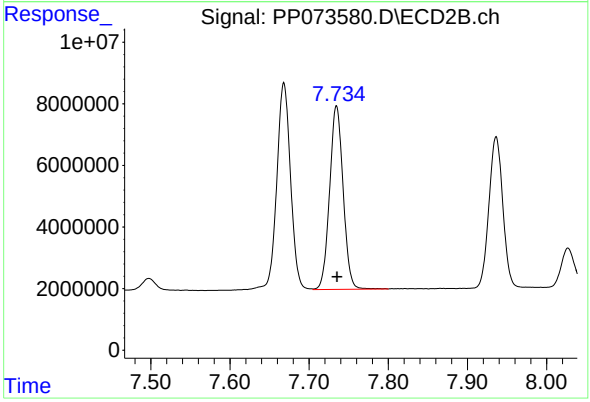
#41 AR-1268-1

R.T.: 7.668 min
Delta R.T.: -0.001 min
Response: 80900824
Conc: 262.84 ng/ml m



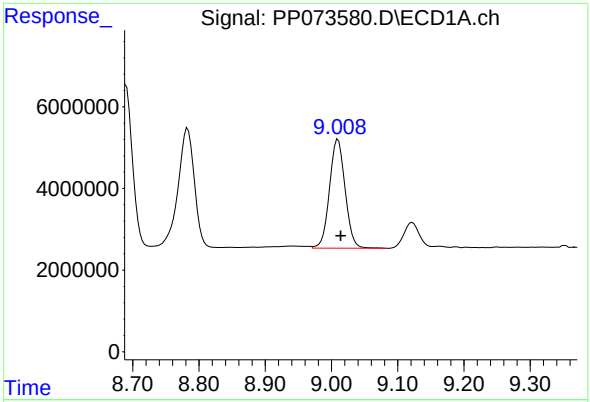
#42 AR-1268-2

R.T.: 8.783 min
Delta R.T.: -0.003 min
Response: 50730840
Conc: 261.19 ng/ml



#42 AR-1268-2

R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 70740492
Conc: 264.38 ng/ml



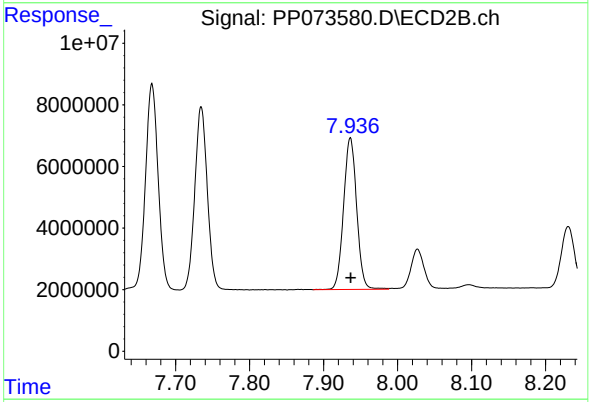
#43 AR-1268-3

R.T.: 9.010 min
Delta R.T.: -0.004 min
Response: 43805027
Conc: 262.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

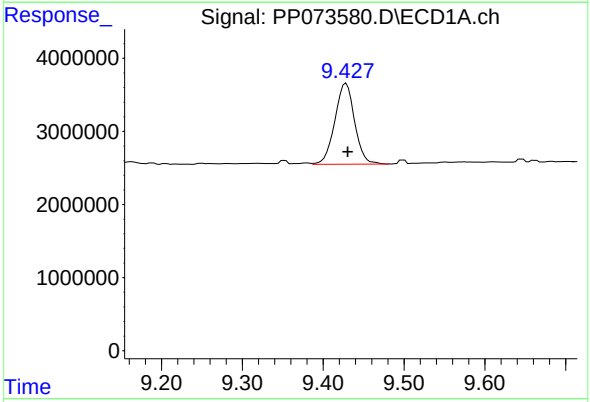
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



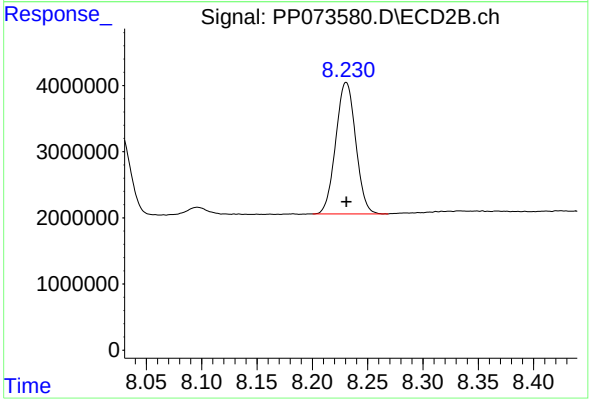
#43 AR-1268-3

R.T.: 7.936 min
Delta R.T.: 0.000 min
Response: 60554343
Conc: 266.40 ng/ml



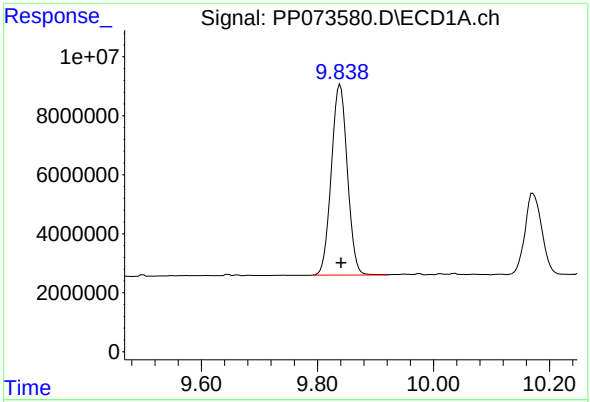
#44 AR-1268-4

R.T.: 9.428 min
Delta R.T.: -0.002 min
Response: 18771767
Conc: 269.87 ng/ml



#44 AR-1268-4

R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 24970476
Conc: 262.24 ng/ml



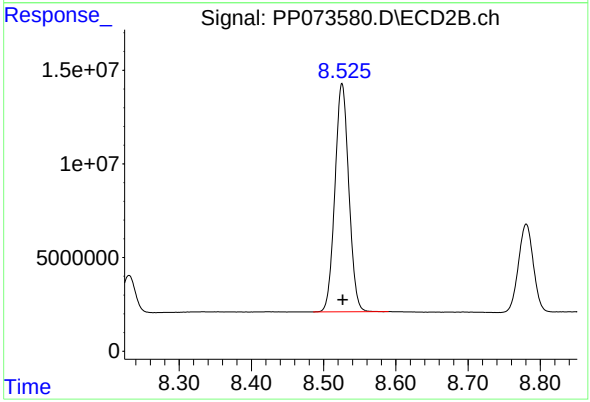
#45 AR-1268-5

R.T.: 9.839 min
Delta R.T.: -0.002 min
Response: 124334254
Conc: 256.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#45 AR-1268-5

R.T.: 8.525 min
Delta R.T.: -0.001 min
Response: 162694547
Conc: 261.38 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:24
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:46:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.778	6570480	8954068	4.649	4.604
2)	SA Decachlor...	10.178	8.780	8974224	11778445	4.354	4.632
	Target Compounds						
41)	L9 AR-1268-1	8.694	7.668	10231981	15365679	44.903	49.987
42)	L9 AR-1268-2	8.787	7.735	8726381	12801300	44.866	47.748
43)	L9 AR-1268-3	9.015	7.936	8012537	11044482	48.006	48.707
44)	L9 AR-1268-4	9.433	8.231	3216586	4250036	45.402	44.756
45)	L9 AR-1268-5	9.839	8.526	18594477	28831591	38.480m	46.018

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:24
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

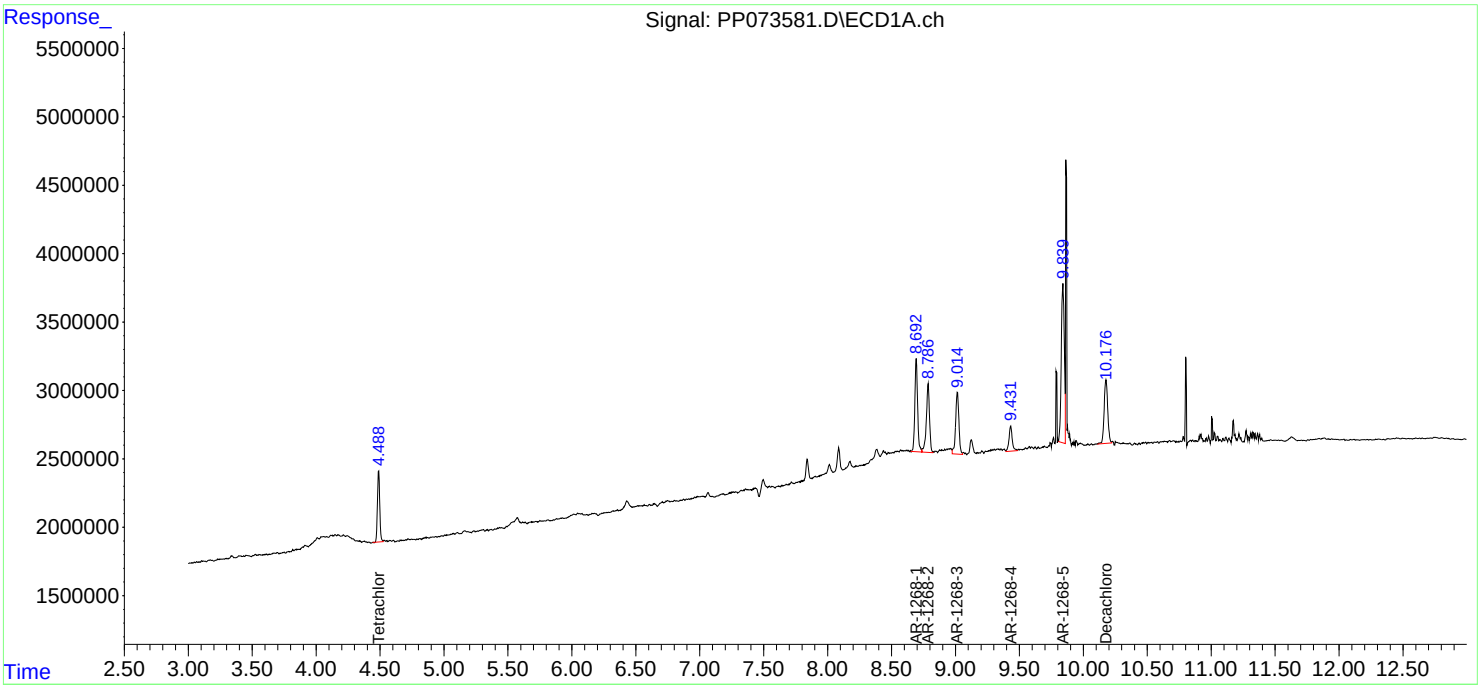
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

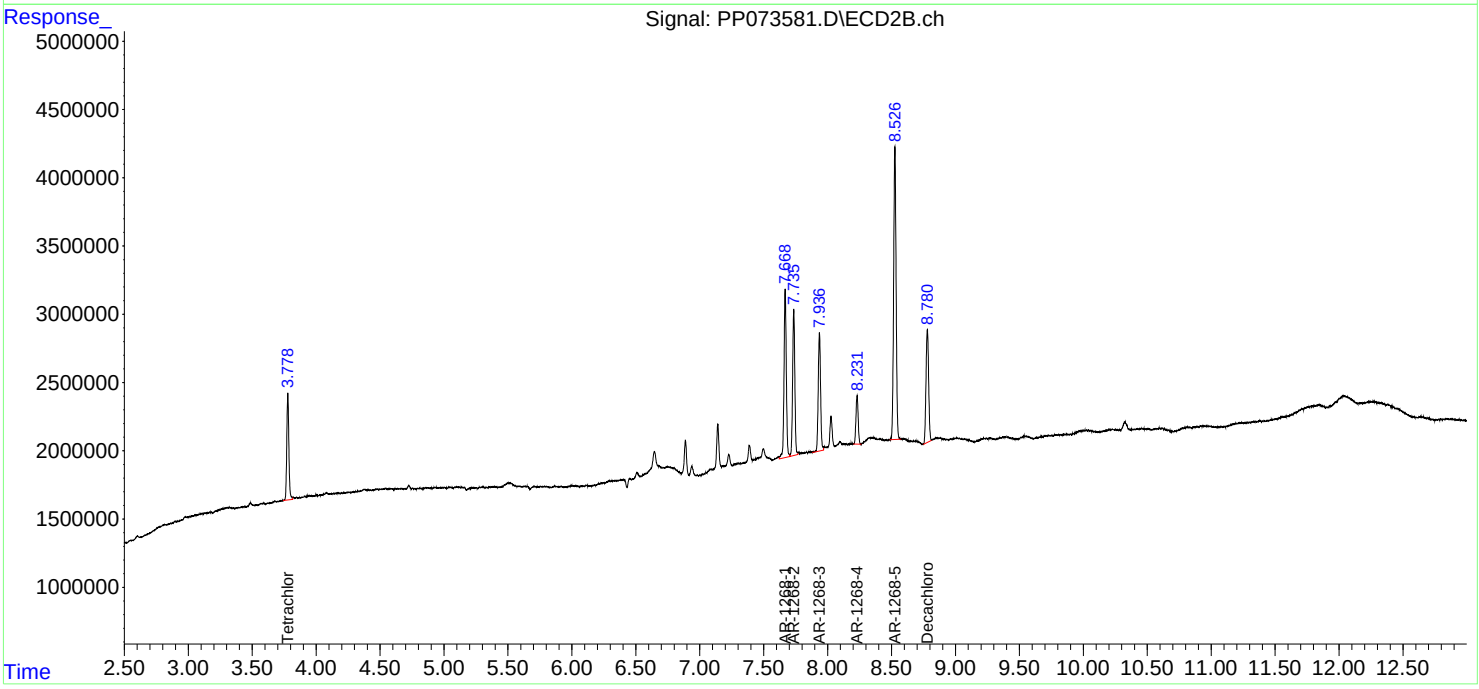
Manual Integrations APPROVED

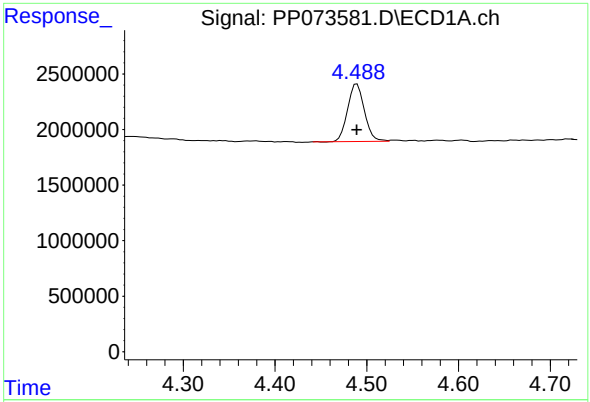
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:46:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







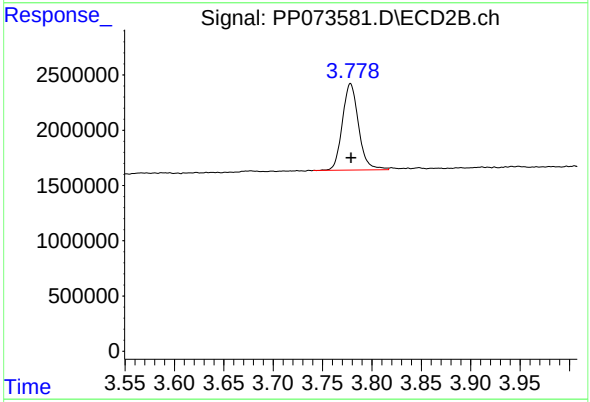
#1 Tetrachloro-m-xylene

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 6570480
Conc: 4.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

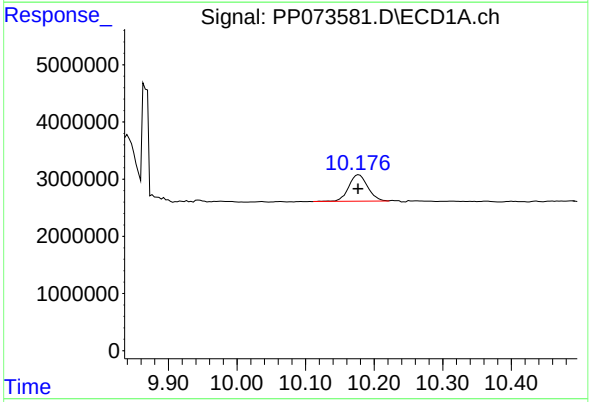
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



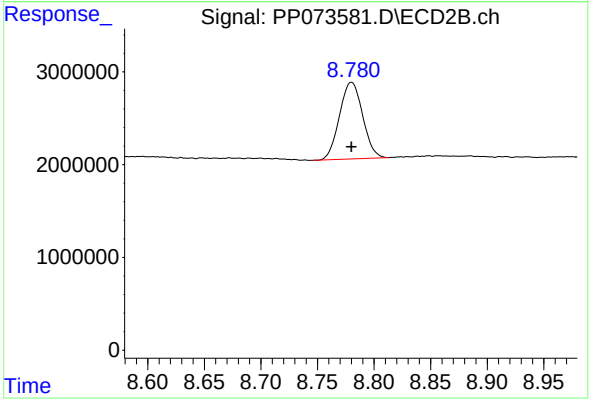
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 8954068
Conc: 4.60 ng/ml



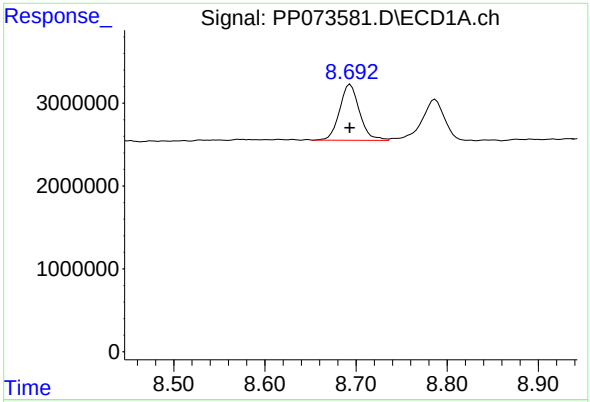
#2 Decachlorobiphenyl

R.T.: 10.178 min
Delta R.T.: 0.001 min
Response: 8974224
Conc: 4.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 11778445
Conc: 4.63 ng/ml



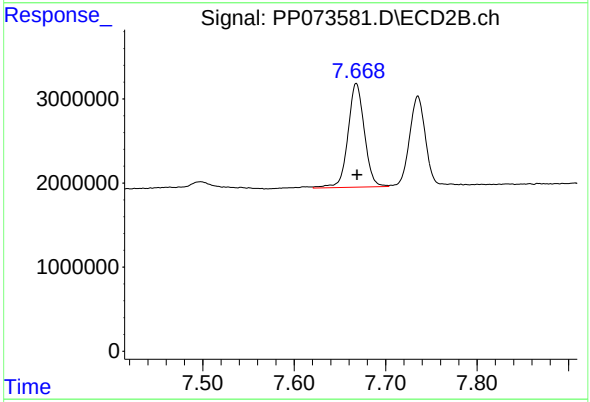
#41 AR-1268-1

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 10231981
Conc: 44.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

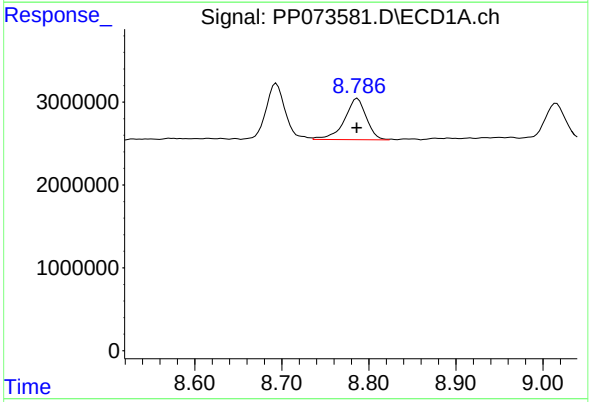
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



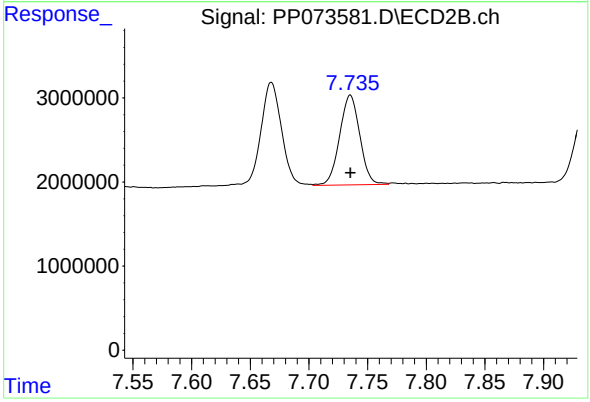
#41 AR-1268-1

R.T.: 7.668 min
Delta R.T.: 0.000 min
Response: 15365679
Conc: 49.99 ng/ml



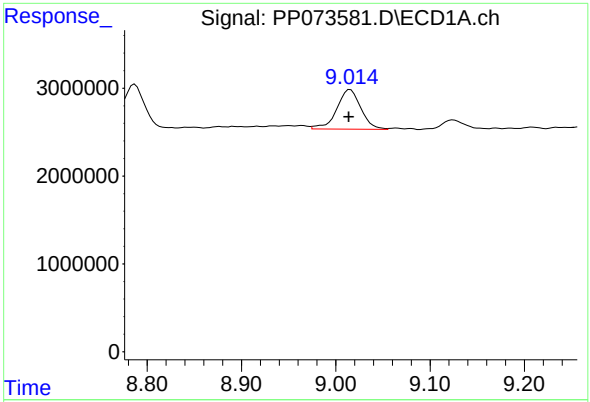
#42 AR-1268-2

R.T.: 8.787 min
Delta R.T.: 0.000 min
Response: 8726381
Conc: 44.87 ng/ml



#42 AR-1268-2

R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 12801300
Conc: 47.75 ng/ml



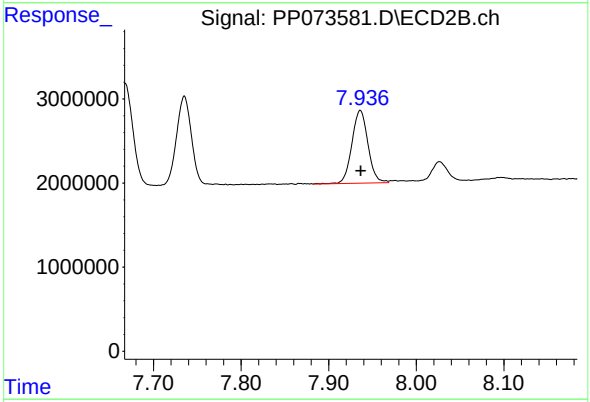
#43 AR-1268-3

R.T.: 9.015 min
Delta R.T.: 0.002 min
Response: 8012537
Conc: 48.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

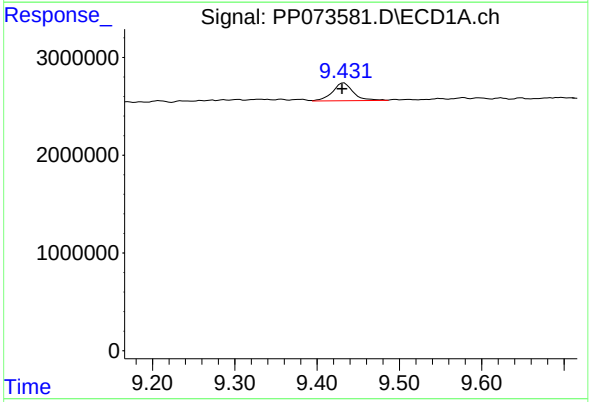
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



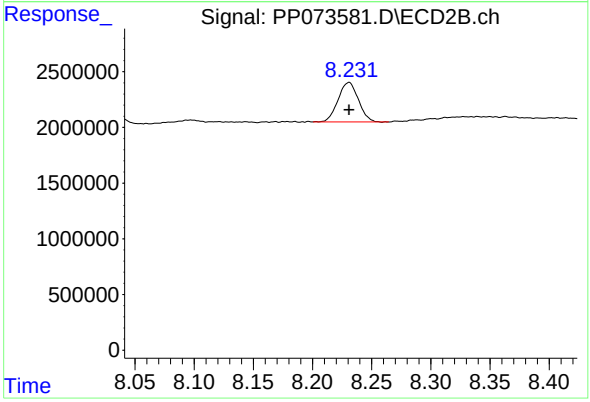
#43 AR-1268-3

R.T.: 7.936 min
Delta R.T.: 0.000 min
Response: 11044482
Conc: 48.71 ng/ml



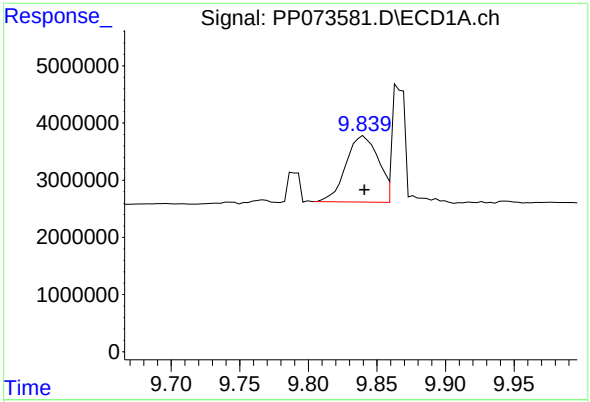
#44 AR-1268-4

R.T.: 9.433 min
Delta R.T.: 0.003 min
Response: 3216586
Conc: 45.40 ng/ml



#44 AR-1268-4

R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 4250036
Conc: 44.76 ng/ml



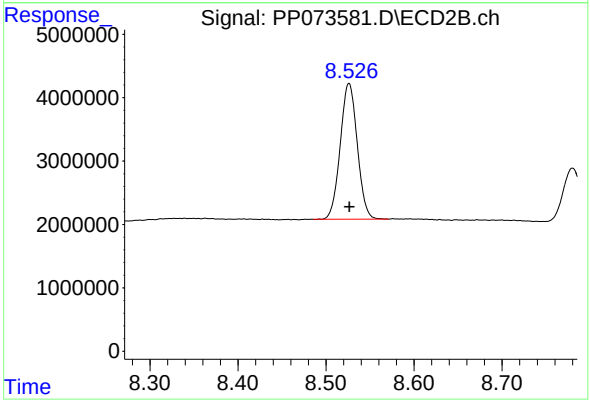
#45 AR-1268-5

R.T.: 9.839 min
Delta R.T.: -0.002 min
Response: 18594477
Conc: 38.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#45 AR-1268-5

R.T.: 8.526 min
Delta R.T.: 0.000 min
Response: 28831591
Conc: 46.02 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:41
Operator : YP\AJ
Sample : PP070125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 05:27:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 05:27:19 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...	4.485	3.779	72260983	95891777	52.763	52.050
2)	SA Decachlor...	10.173	8.780	57429181	73824211	52.636	55.794
	Target Compounds						
3)	L1 AR-1016-1	5.636	4.857	23819344	35187796	501.317	516.141
4)	L1 AR-1016-2	5.657	4.875	36673403	52182388	514.968	512.173
5)	L1 AR-1016-3	5.719	5.051	22168045	28112093	507.707	519.571
6)	L1 AR-1016-4	5.817	5.093	18666023	22689979	519.286	517.082
7)	L1 AR-1016-5	6.109	5.307	16712865	28698340	533.439	525.779
31)	L7 AR-1260-1	7.226	6.337	30361600	49427132	514.942	506.632
32)	L7 AR-1260-2	7.479	6.525	43933298	61439670	458.403	500.170
33)	L7 AR-1260-3	7.837	6.677	37495485	56331160	513.140	514.610
34)	L7 AR-1260-4	8.061	7.146	33945827	47047060	519.845	526.204
35)	L7 AR-1260-5	8.379	7.389	79838825	118.4E6	529.250	526.873

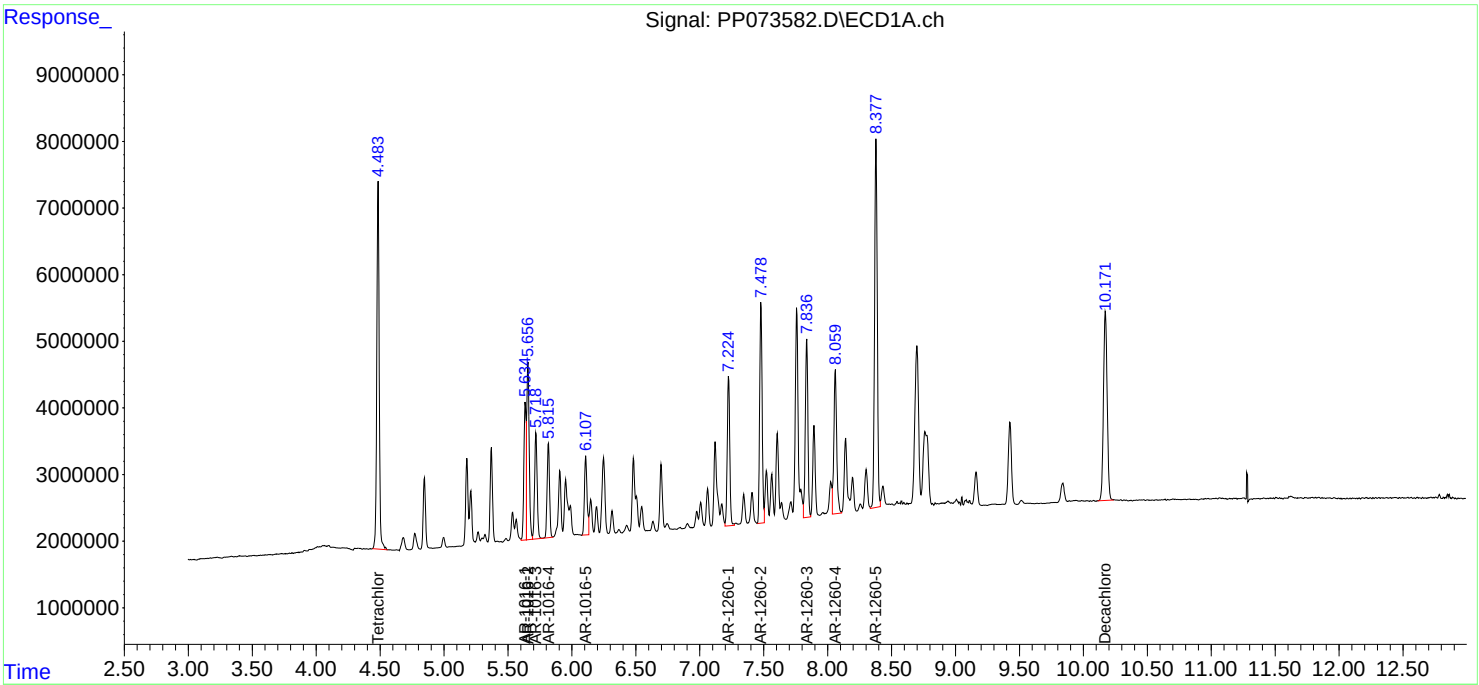
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

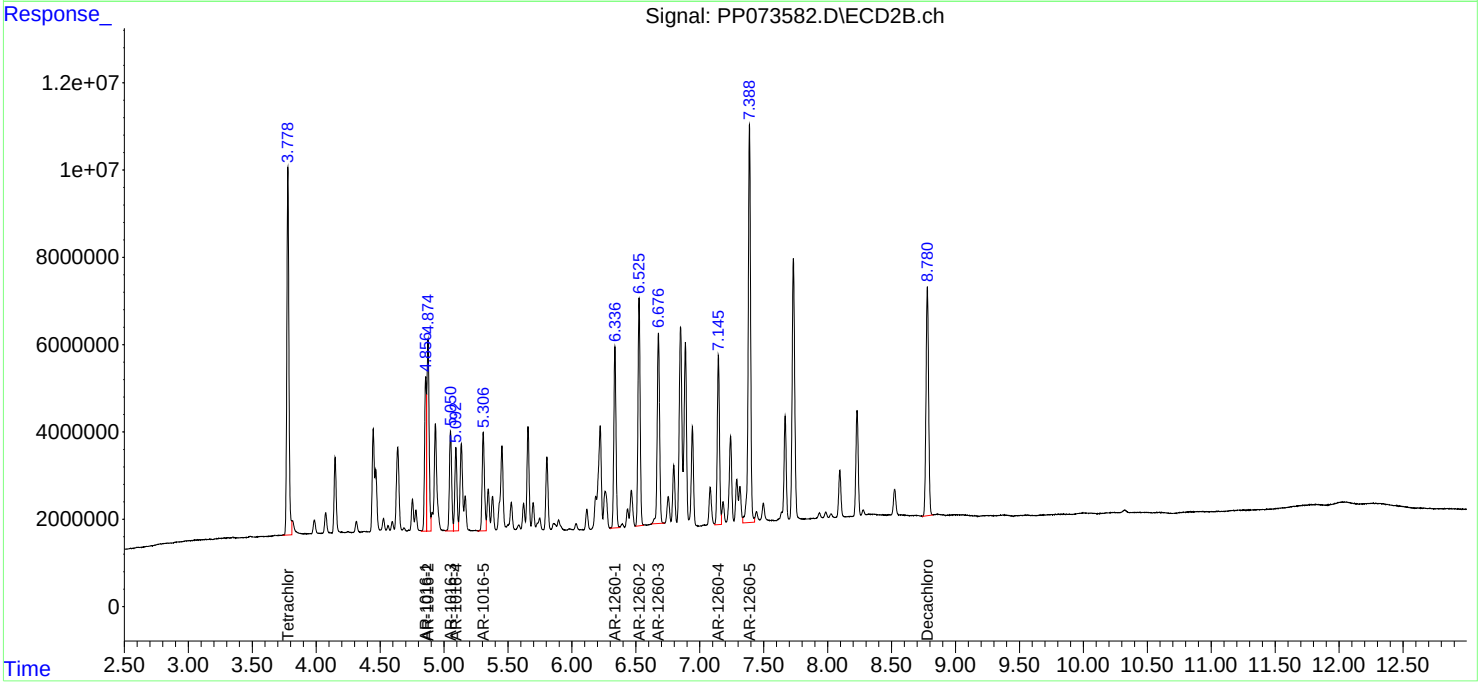
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:41
Operator : YP\AJ
Sample : PP070125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

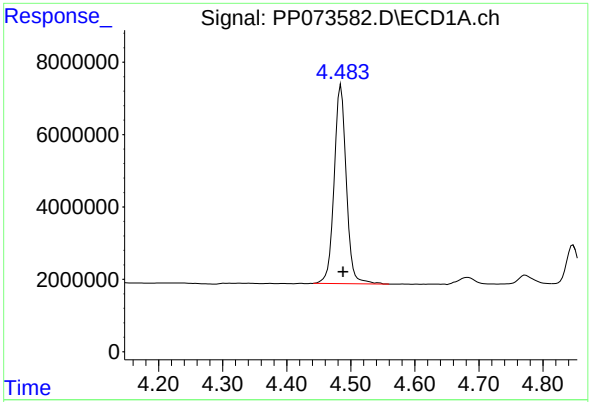
Instrument :
ECD_P
ClientSampleId :
ICVPP070825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 05:27:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 05:27:19 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



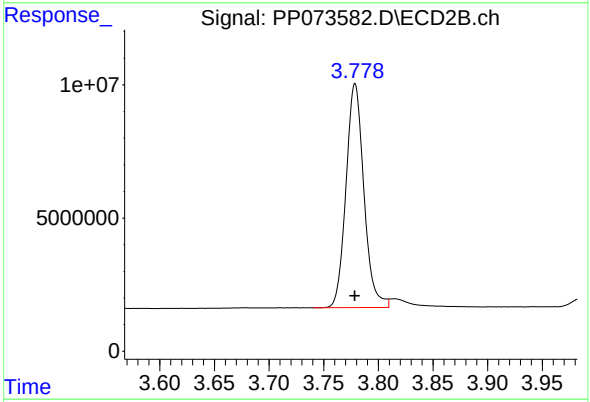




#1 Tetrachloro-m-xylene

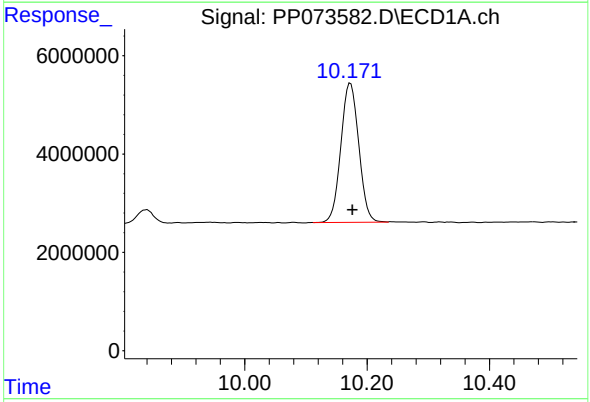
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 72260983
Conc: 52.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



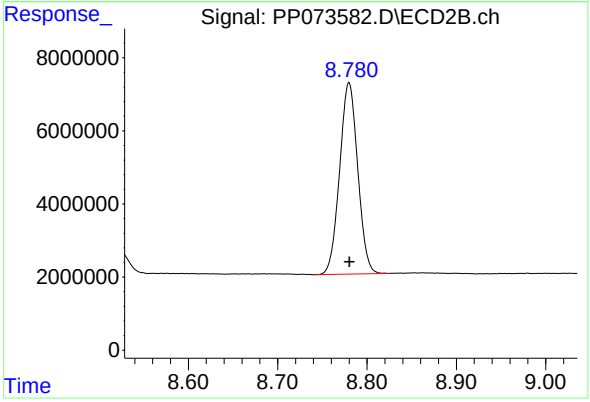
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 95891777
Conc: 52.05 ng/ml



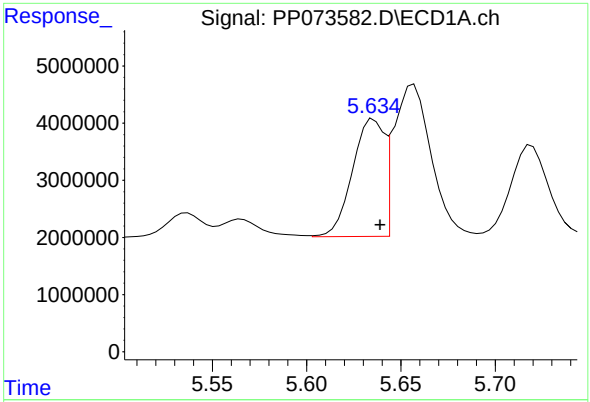
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: -0.003 min
Response: 57429181
Conc: 52.64 ng/ml



#2 Decachlorobiphenyl

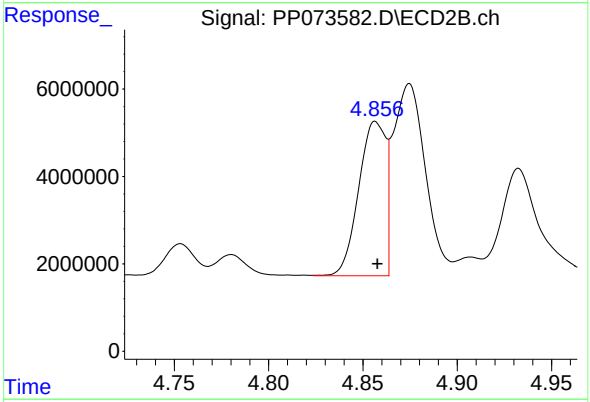
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 73824211
Conc: 55.79 ng/ml



#3 AR-1016-1

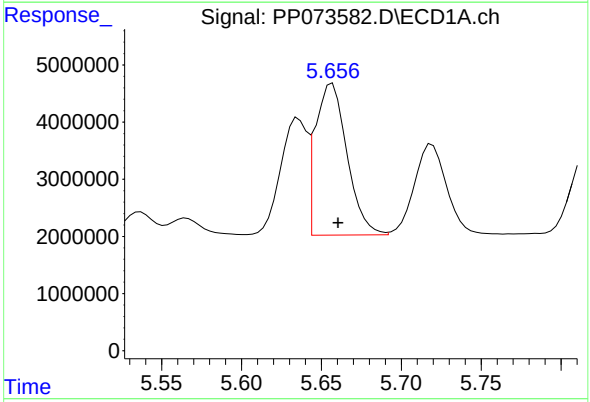
R.T.: 5.636 min
Delta R.T.: -0.003 min
Response: 23819344
Conc: 501.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



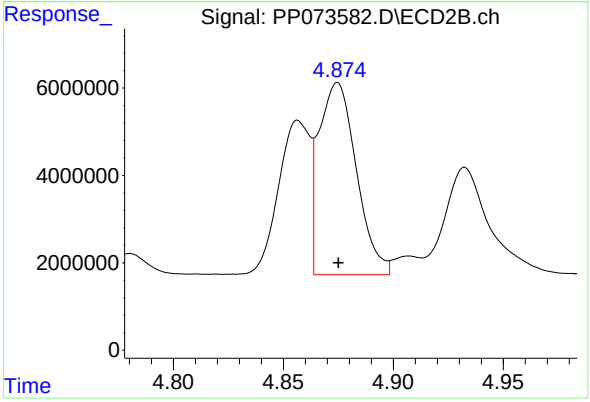
#3 AR-1016-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 35187796
Conc: 516.14 ng/ml



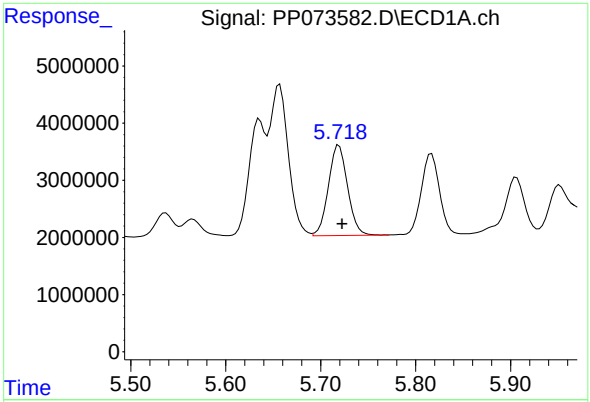
#4 AR-1016-2

R.T.: 5.657 min
Delta R.T.: -0.003 min
Response: 36673403
Conc: 514.97 ng/ml



#4 AR-1016-2

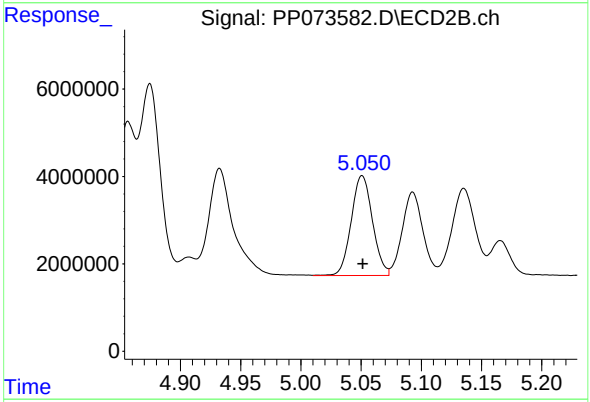
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 52182388
Conc: 512.17 ng/ml



#5 AR-1016-3

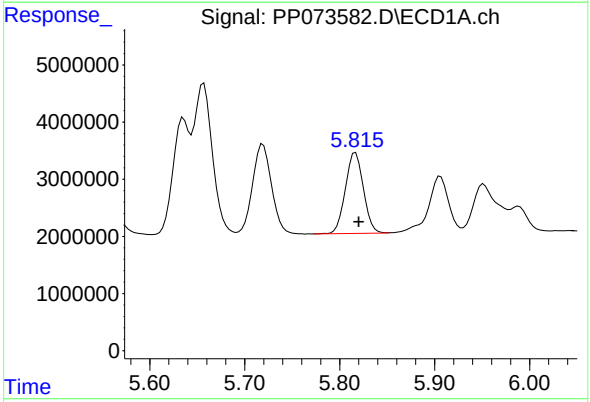
R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 22168045
Conc: 507.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



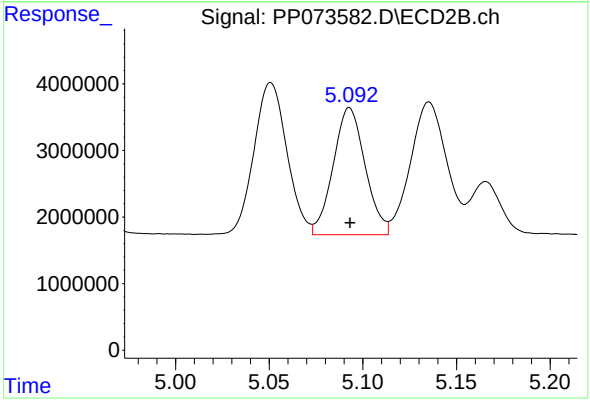
#5 AR-1016-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 28112093
Conc: 519.57 ng/ml



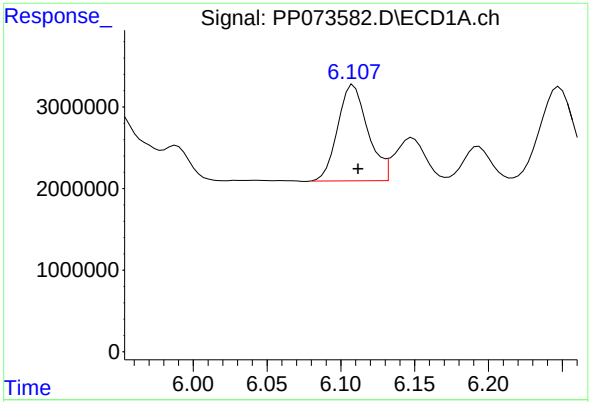
#6 AR-1016-4

R.T.: 5.817 min
Delta R.T.: -0.003 min
Response: 18666023
Conc: 519.29 ng/ml



#6 AR-1016-4

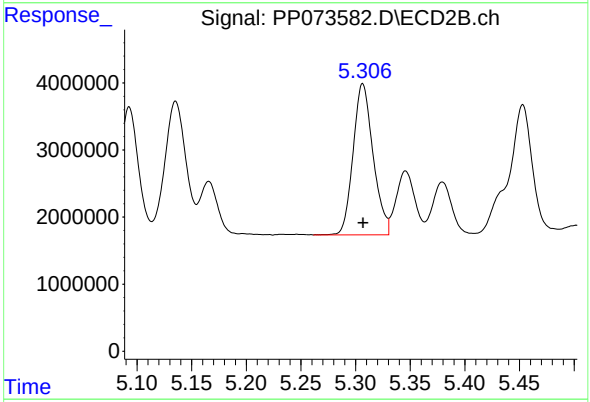
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 22689979
Conc: 517.08 ng/ml



#7 AR-1016-5

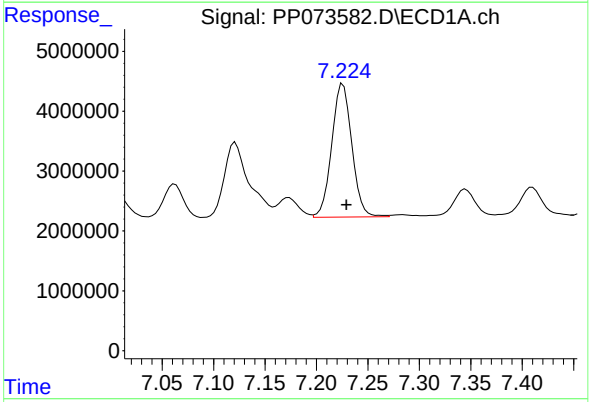
R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 16712865
Conc: 533.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



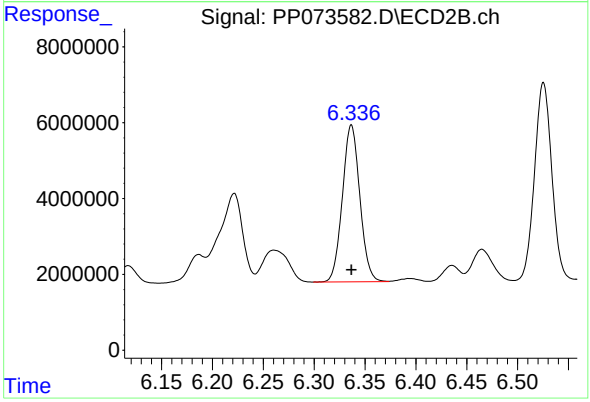
#7 AR-1016-5

R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 28698340
Conc: 525.78 ng/ml



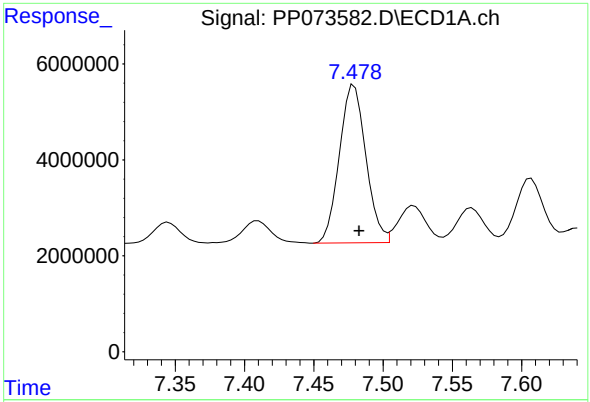
#31 AR-1260-1

R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 30361600
Conc: 514.94 ng/ml



#31 AR-1260-1

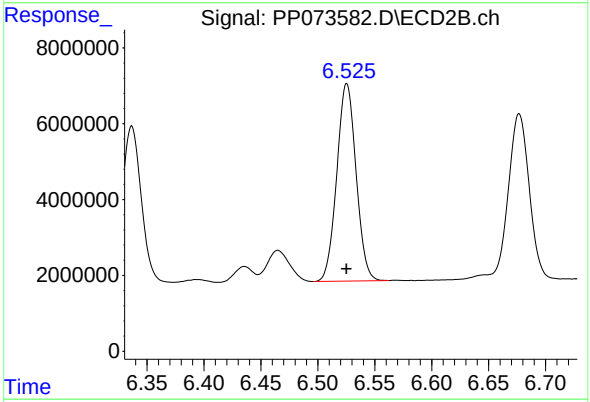
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 49427132
Conc: 506.63 ng/ml



#32 AR-1260-2

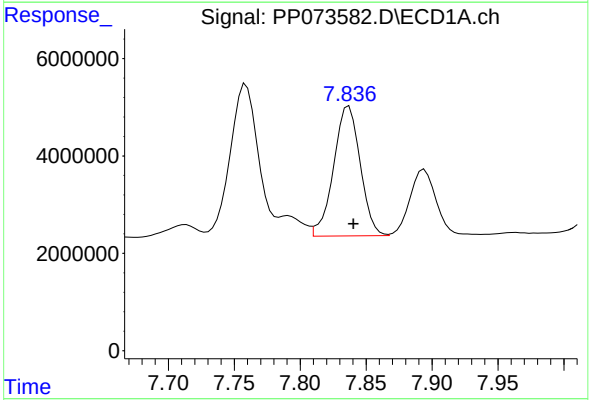
R.T.: 7.479 min
Delta R.T.: -0.004 min
Response: 43933298
Conc: 458.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



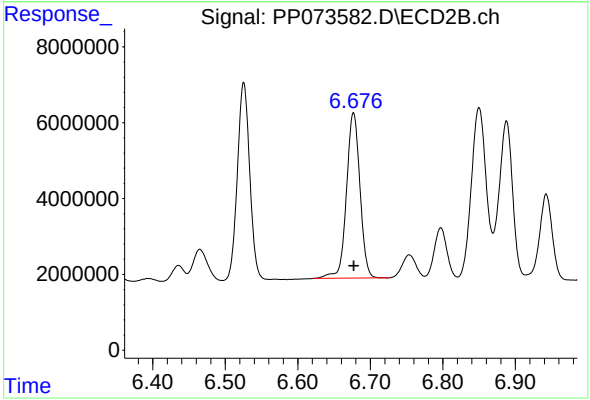
#32 AR-1260-2

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 61439670
Conc: 500.17 ng/ml



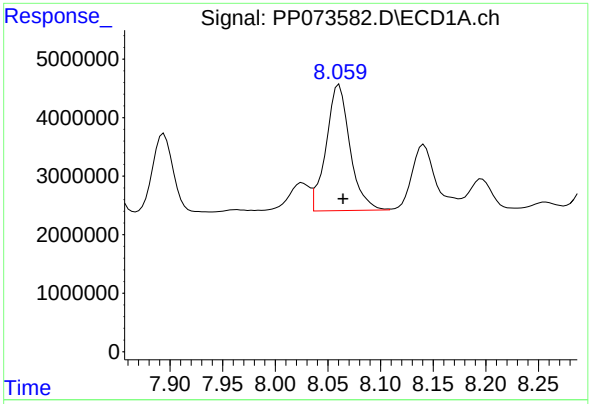
#33 AR-1260-3

R.T.: 7.837 min
Delta R.T.: -0.003 min
Response: 37495485
Conc: 513.14 ng/ml



#33 AR-1260-3

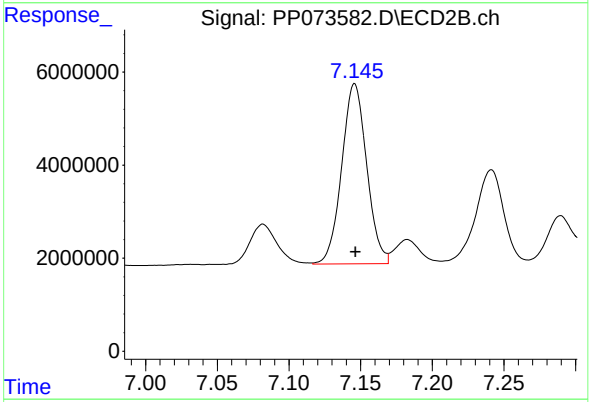
R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 56331160
Conc: 514.61 ng/ml



#34 AR-1260-4

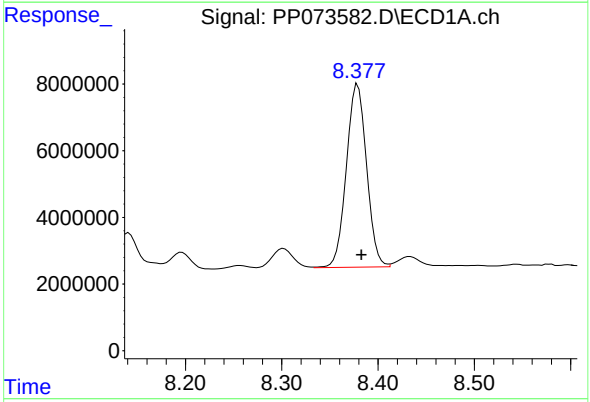
R.T.: 8.061 min
Delta R.T.: -0.004 min
Response: 33945827
Conc: 519.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



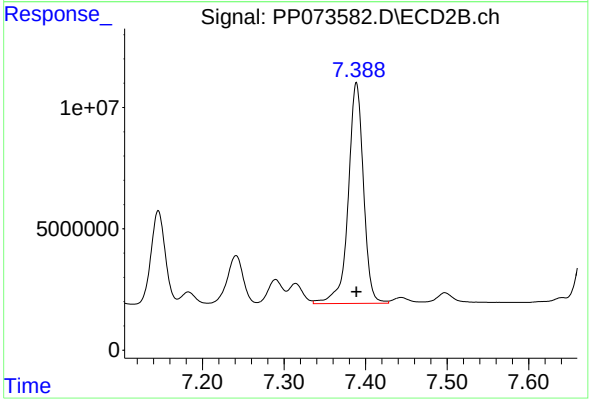
#34 AR-1260-4

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 47047060
Conc: 526.20 ng/ml



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.004 min
Response: 79838825
Conc: 529.25 ng/ml



#35 AR-1260-5

R.T.: 7.389 min
Delta R.T.: 0.000 min
Response: 118407698
Conc: 526.87 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 05:30
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 05:53:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.486	3.780	72993940	98810271	53.555	54.104
2)	SA Decachlor...	10.175	8.781	59178077	71524197	53.748	53.924
	Target Compounds						
16)	L4 AR-1242-1	5.637	4.858	20775175	30801945	544.021	533.231
17)	L4 AR-1242-2	5.658	4.875	31979969	45687015	534.049	528.453
18)	L4 AR-1242-3	5.720	5.052	19490860	24488942	532.233	532.986
19)	L4 AR-1242-4	5.817	5.136	16125476	23556759	501.788	532.196
20)	L4 AR-1242-5	6.547	5.657	17188141	29930341	525.039	541.800

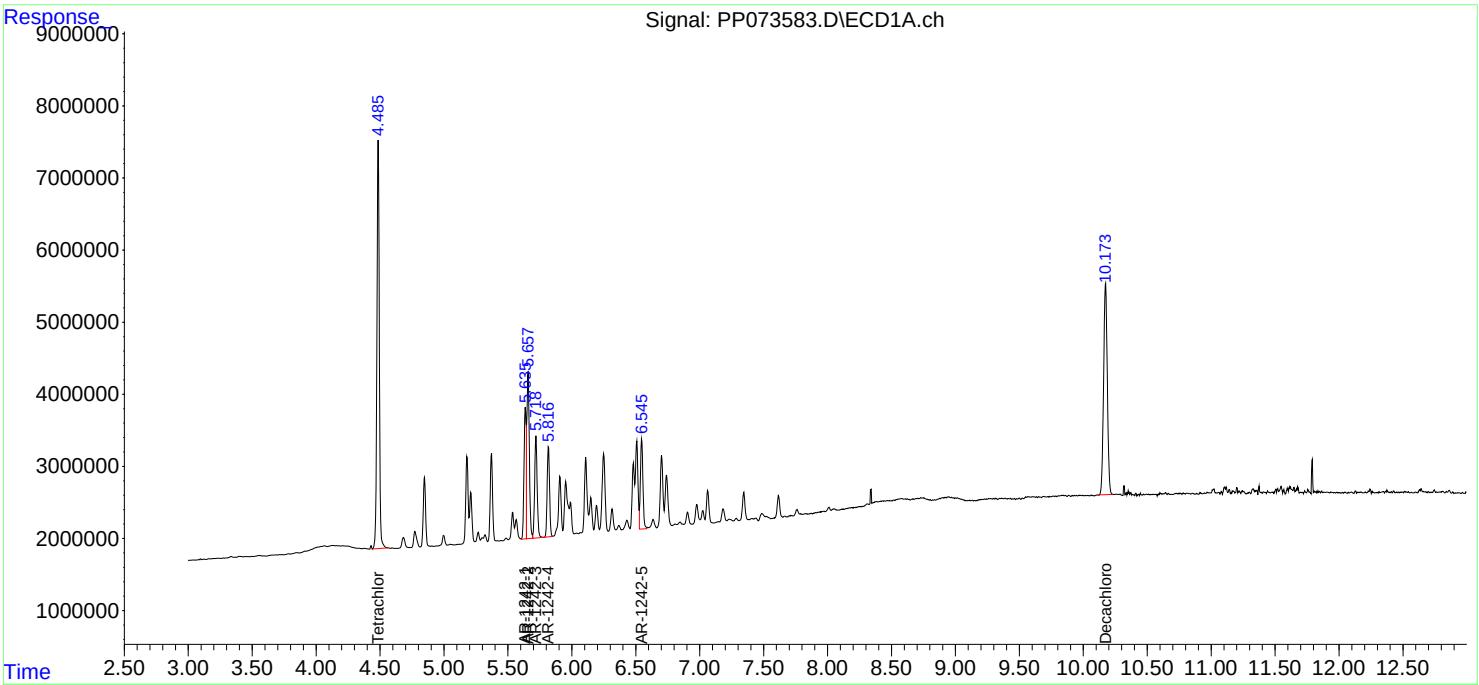
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

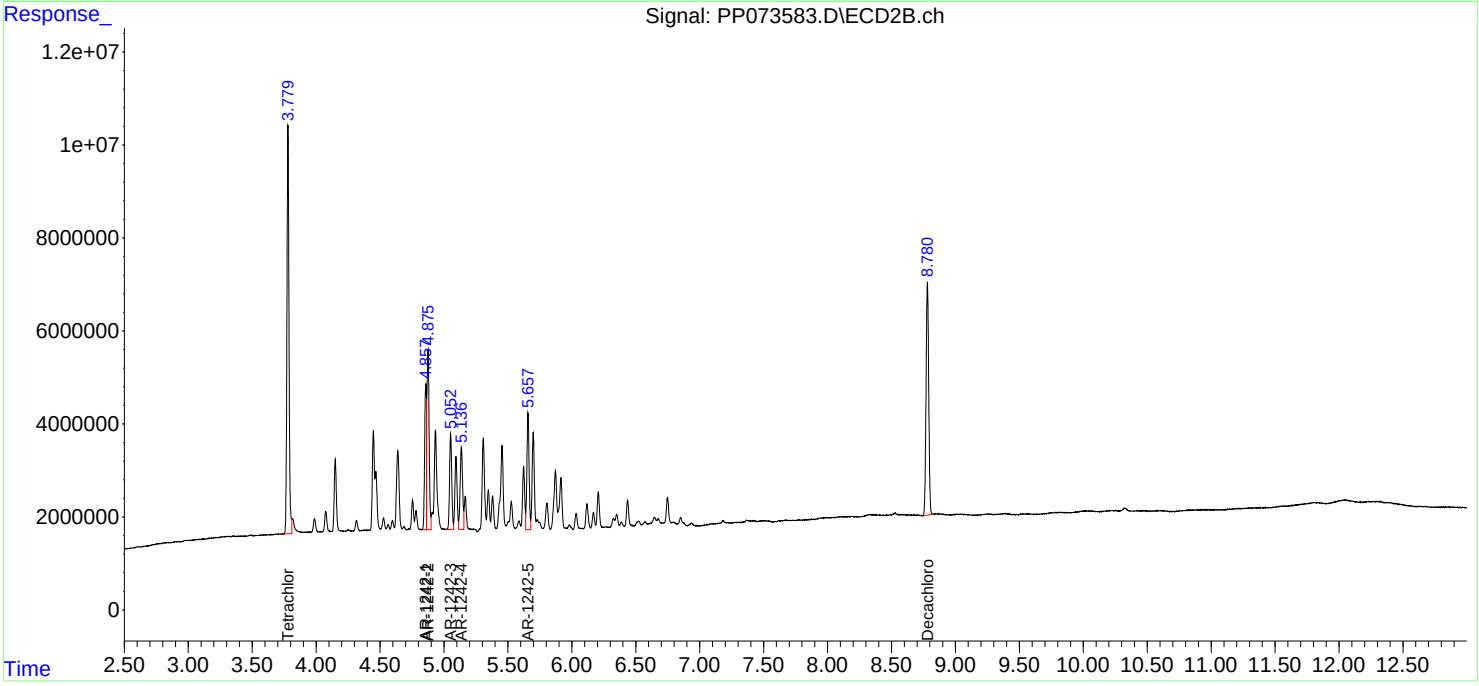
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 05:30
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

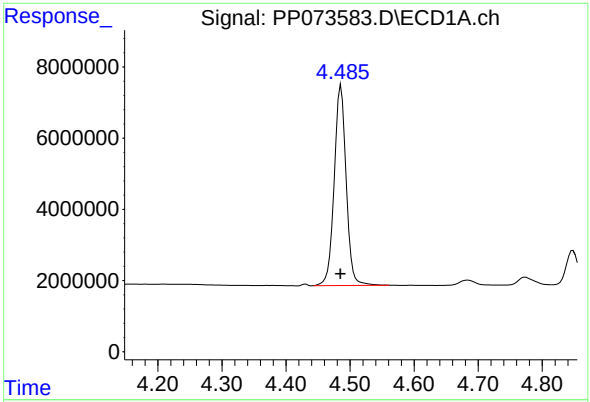
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 05:53:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



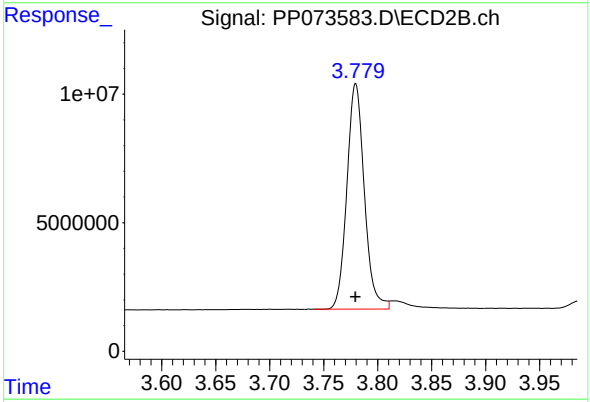




#1 Tetrachloro-m-xylene

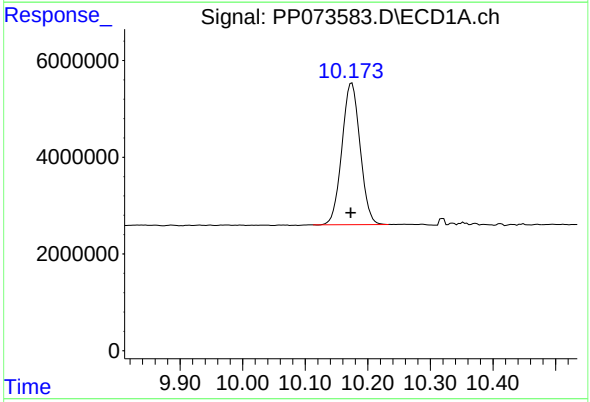
R.T.: 4.486 min
Delta R.T.: 0.000 min
Response: 72993940
Conc: 53.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



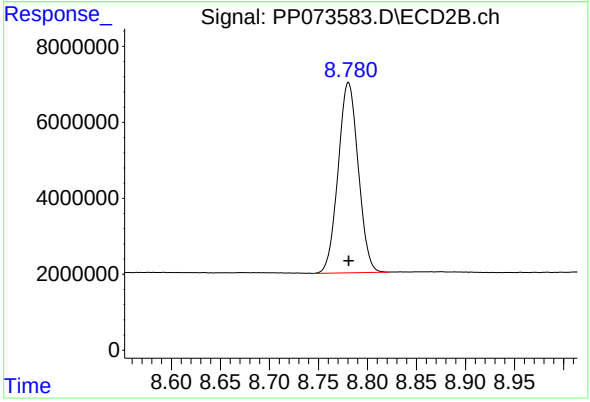
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 98810271
Conc: 54.10 ng/ml



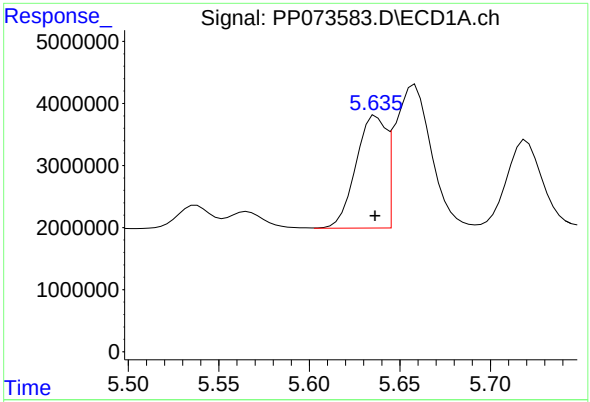
#2 Decachlorobiphenyl

R.T.: 10.175 min
Delta R.T.: 0.002 min
Response: 59178077
Conc: 53.75 ng/ml



#2 Decachlorobiphenyl

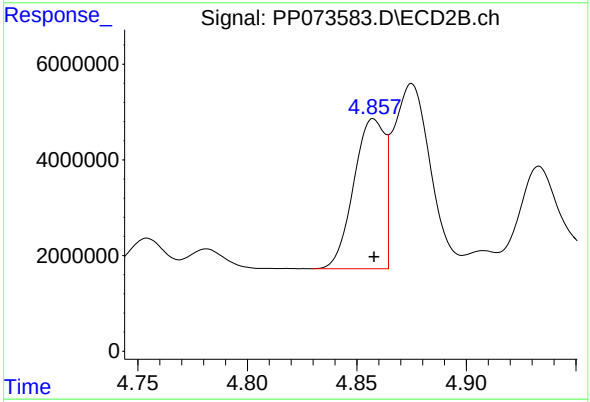
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 71524197
Conc: 53.92 ng/ml



#16 AR-1242-1

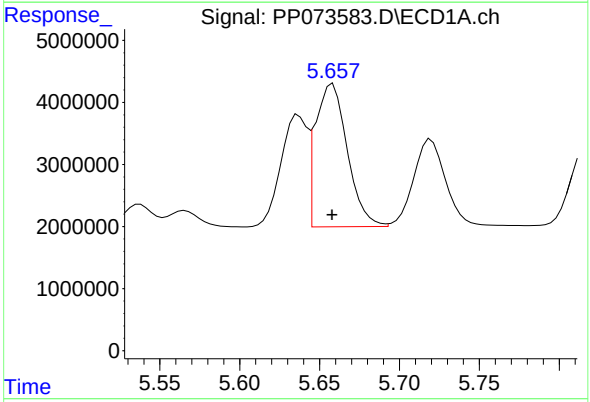
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 20775175
Conc: 544.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



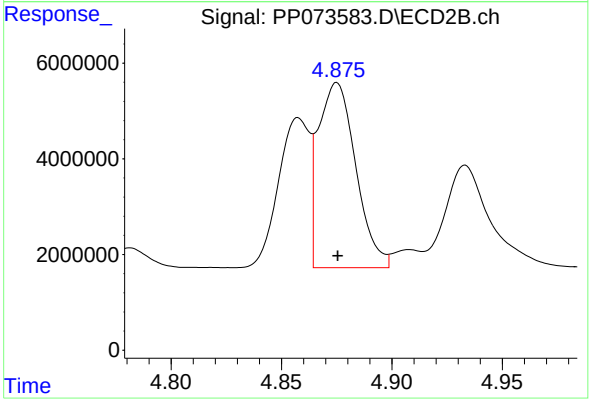
#16 AR-1242-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 30801945
Conc: 533.23 ng/ml



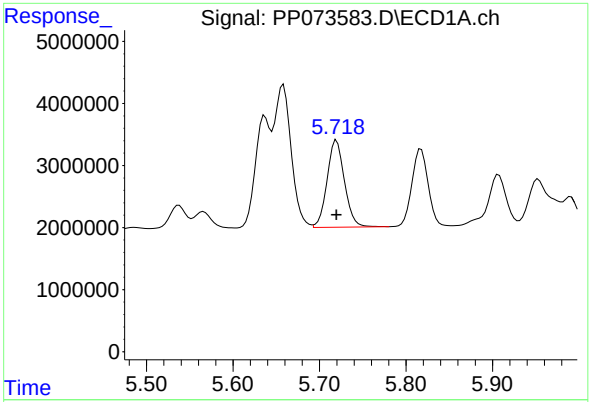
#17 AR-1242-2

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 31979969
Conc: 534.05 ng/ml



#17 AR-1242-2

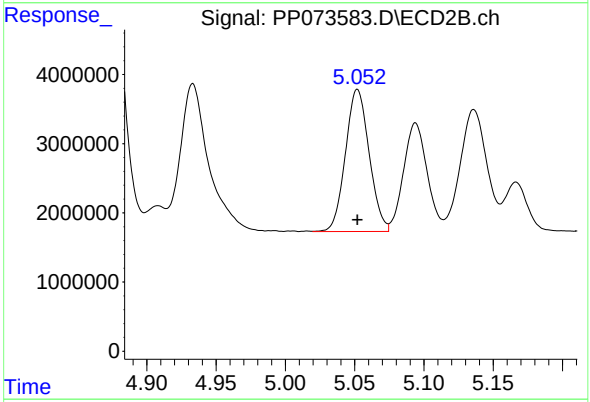
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 45687015
Conc: 528.45 ng/ml



#18 AR-1242-3

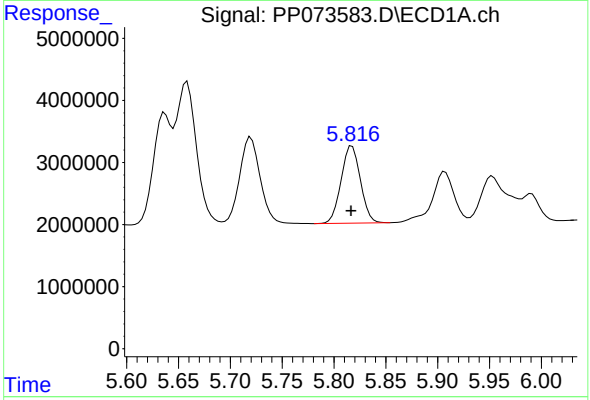
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 19490860
Conc: 532.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



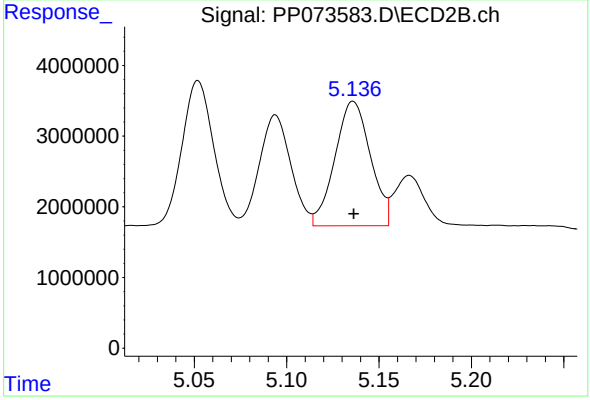
#18 AR-1242-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 24488942
Conc: 532.99 ng/ml



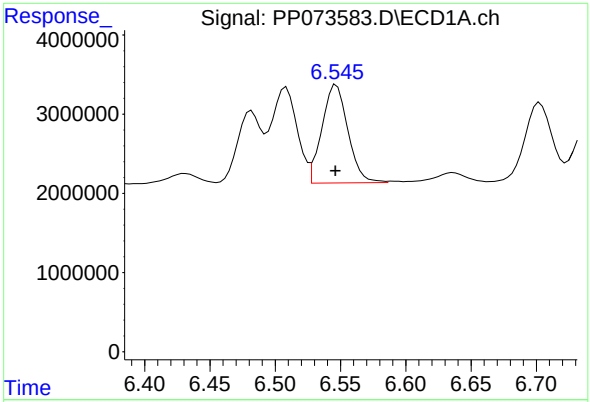
#19 AR-1242-4

R.T.: 5.817 min
Delta R.T.: 0.000 min
Response: 16125476
Conc: 501.79 ng/ml



#19 AR-1242-4

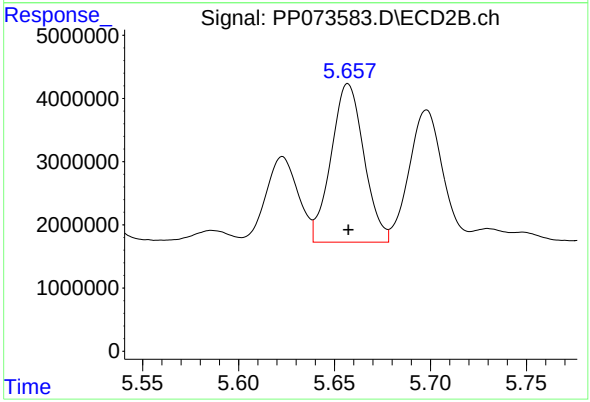
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 23556759
Conc: 532.20 ng/ml



#20 AR-1242-5

R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 17188141
Conc: 525.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



#20 AR-1242-5

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 29930341
Conc: 541.80 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 05:46
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 06:11:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 06:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.778	71424974	97266201	52.153	52.796
2)	SA Decachlor...	10.176	8.779	58027297	74824812	53.185	56.551
	Target Compounds						
21)	L5 AR-1248-1	5.639	4.857	15762091	23607850	510.587	525.847
22)	L5 AR-1248-2	5.910	5.092	20492312	31849894	513.291	517.577
23)	L5 AR-1248-3	6.112	5.134	23677594	33328191	533.164	520.228
24)	L5 AR-1248-4	6.511	5.306	28997723	39129254	526.461	519.111
25)	L5 AR-1248-5	6.550	5.697	28371365	39383540	527.441	527.994

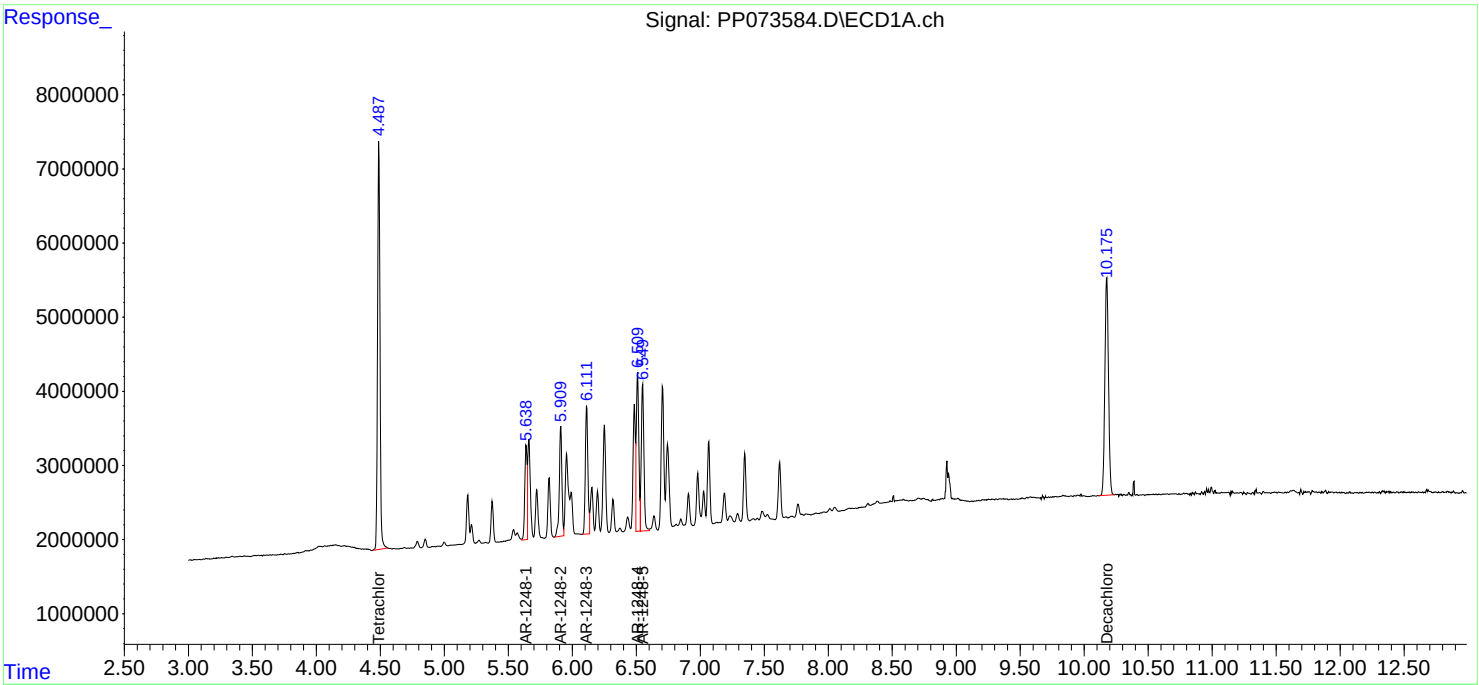
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

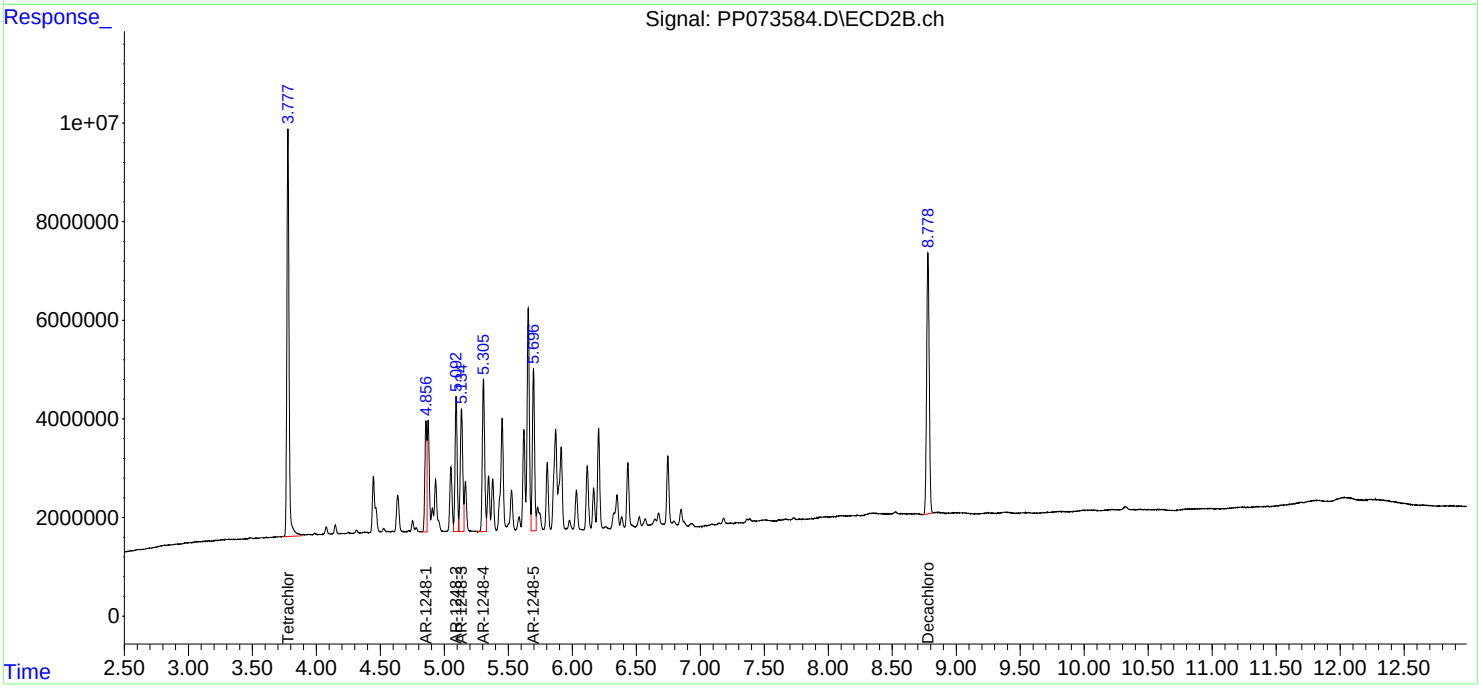
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 05:46
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

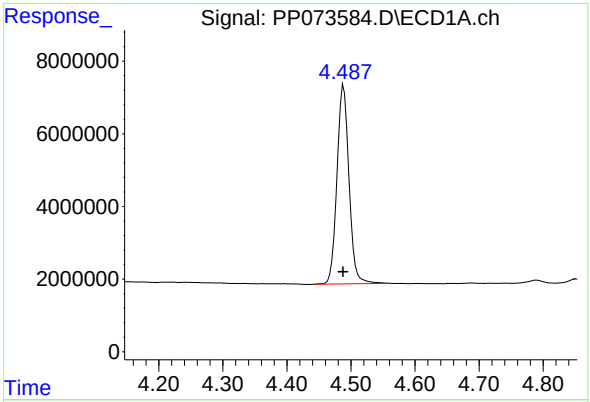
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 06:11:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 06:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



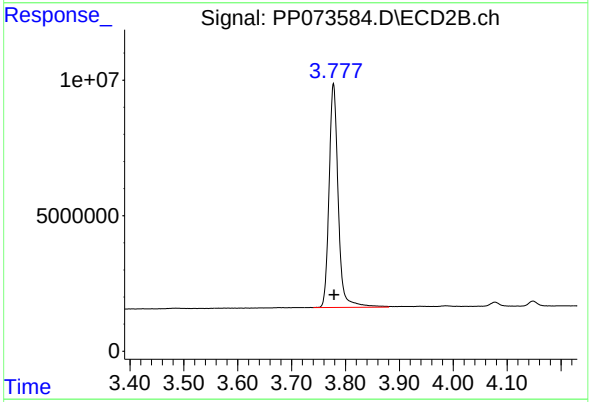




#1 Tetrachloro-m-xylene

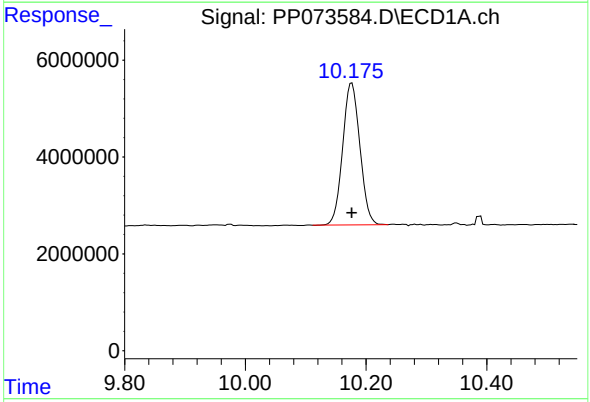
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 71424974
Conc: 52.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



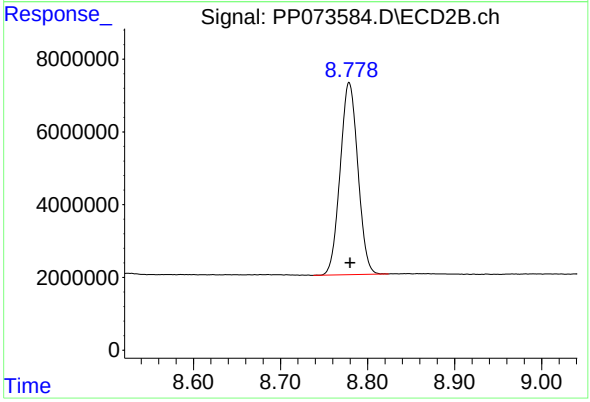
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 97266201
Conc: 52.80 ng/ml



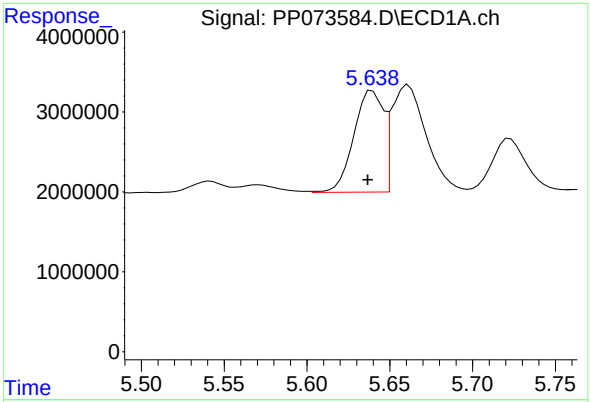
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 58027297
Conc: 53.18 ng/ml



#2 Decachlorobiphenyl

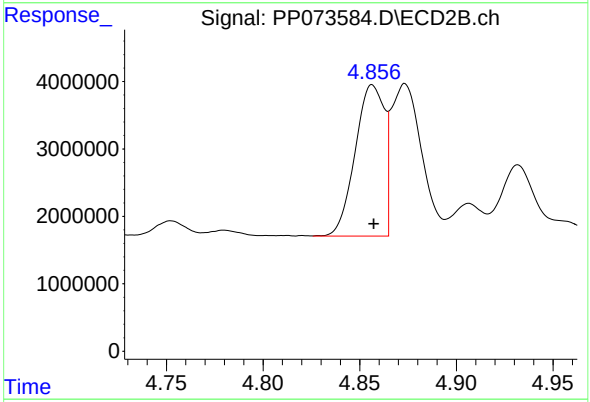
R.T.: 8.779 min
Delta R.T.: -0.001 min
Response: 74824812
Conc: 56.55 ng/ml



#21 AR-1248-1

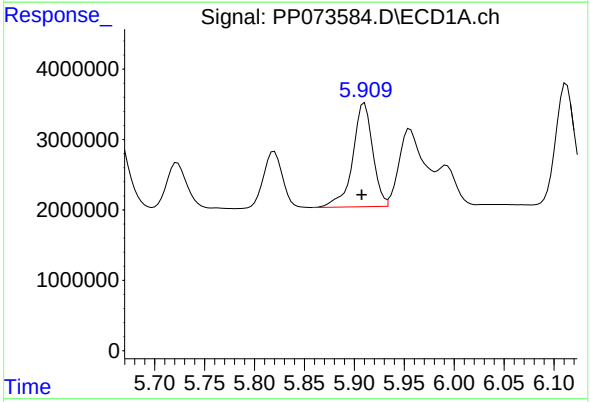
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 15762091
Conc: 510.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



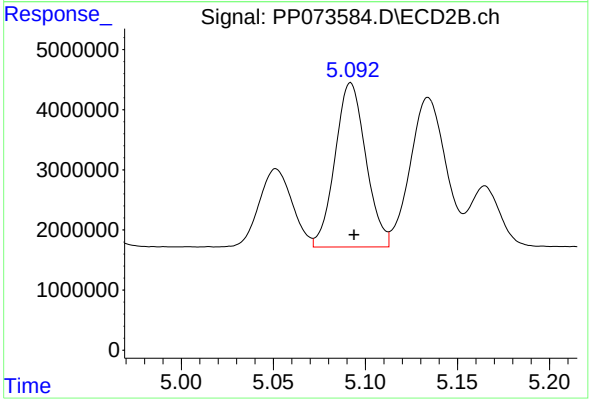
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 23607850
Conc: 525.85 ng/ml



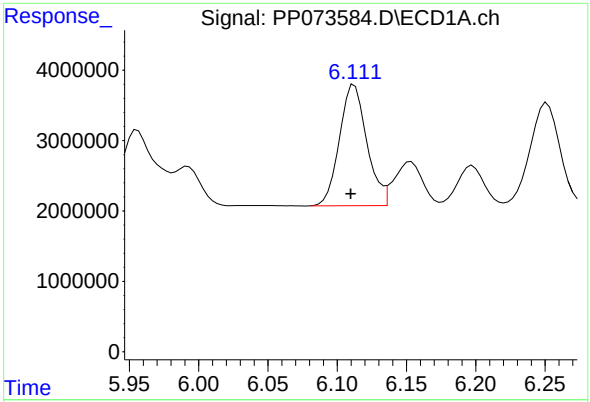
#22 AR-1248-2

R.T.: 5.910 min
Delta R.T.: 0.003 min
Response: 20492312
Conc: 513.29 ng/ml



#22 AR-1248-2

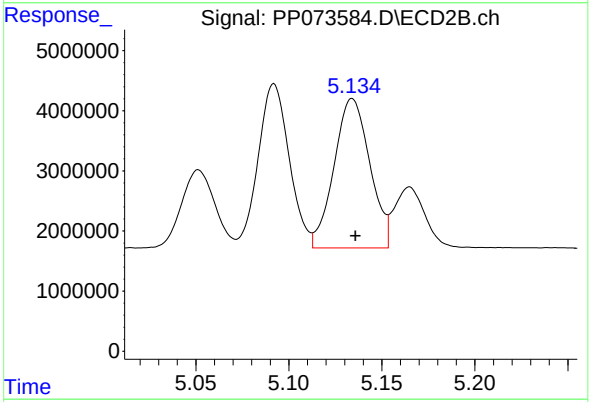
R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 31849894
Conc: 517.58 ng/ml



#23 AR-1248-3

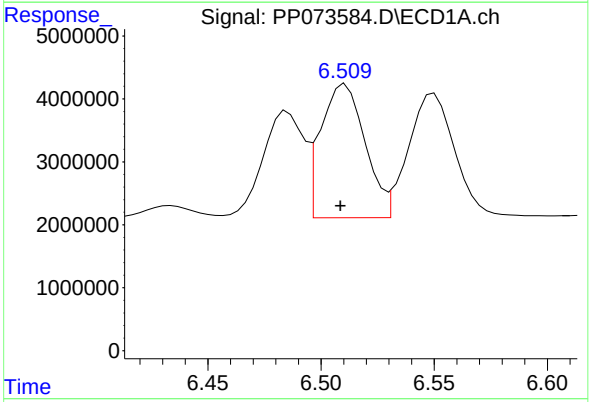
R.T.: 6.112 min
Delta R.T.: 0.003 min
Response: 23677594
Conc: 533.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



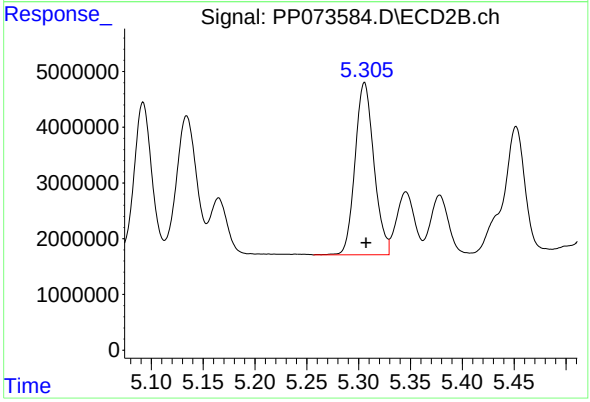
#23 AR-1248-3

R.T.: 5.134 min
Delta R.T.: -0.002 min
Response: 33328191
Conc: 520.23 ng/ml



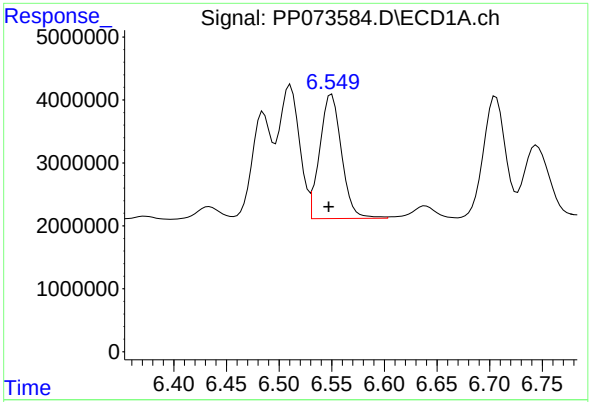
#24 AR-1248-4

R.T.: 6.511 min
Delta R.T.: 0.002 min
Response: 28997723
Conc: 526.46 ng/ml



#24 AR-1248-4

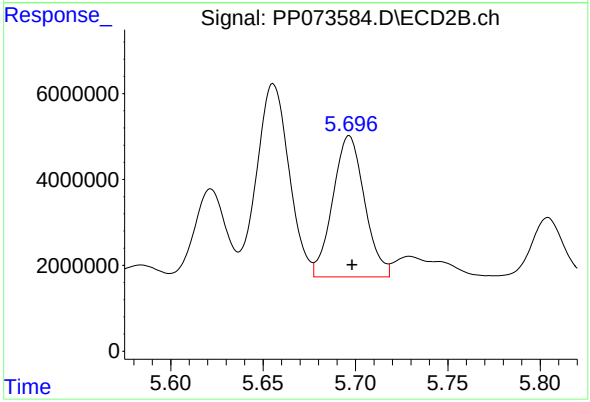
R.T.: 5.306 min
Delta R.T.: -0.002 min
Response: 39129254
Conc: 519.11 ng/ml



#25 AR-1248-5

R.T.: 6.550 min
Delta R.T.: 0.003 min
Response: 28371365
Conc: 527.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



#25 AR-1248-5

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 39383540
Conc: 527.99 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 06:19
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 06:42:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 06:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.779	72137939	98177371	52.674	53.291
2)	SA Decachlor...	10.176	8.780	58669520	75798661	53.773	57.287
	Target Compounds						
26)	L6 AR-1254-1	6.486	5.657	27751618	57179282	517.855	492.797
27)	L6 AR-1254-2	6.702	5.805	42039125	49615142	504.739	493.077
28)	L6 AR-1254-3	7.065	6.207	45059626	78048221	510.118	505.342
29)	L6 AR-1254-4	7.348	6.435	39772060	48017763	505.575	507.806
30)	L6 AR-1254-5	7.764	6.851	38107518	68206603	517.204	511.122

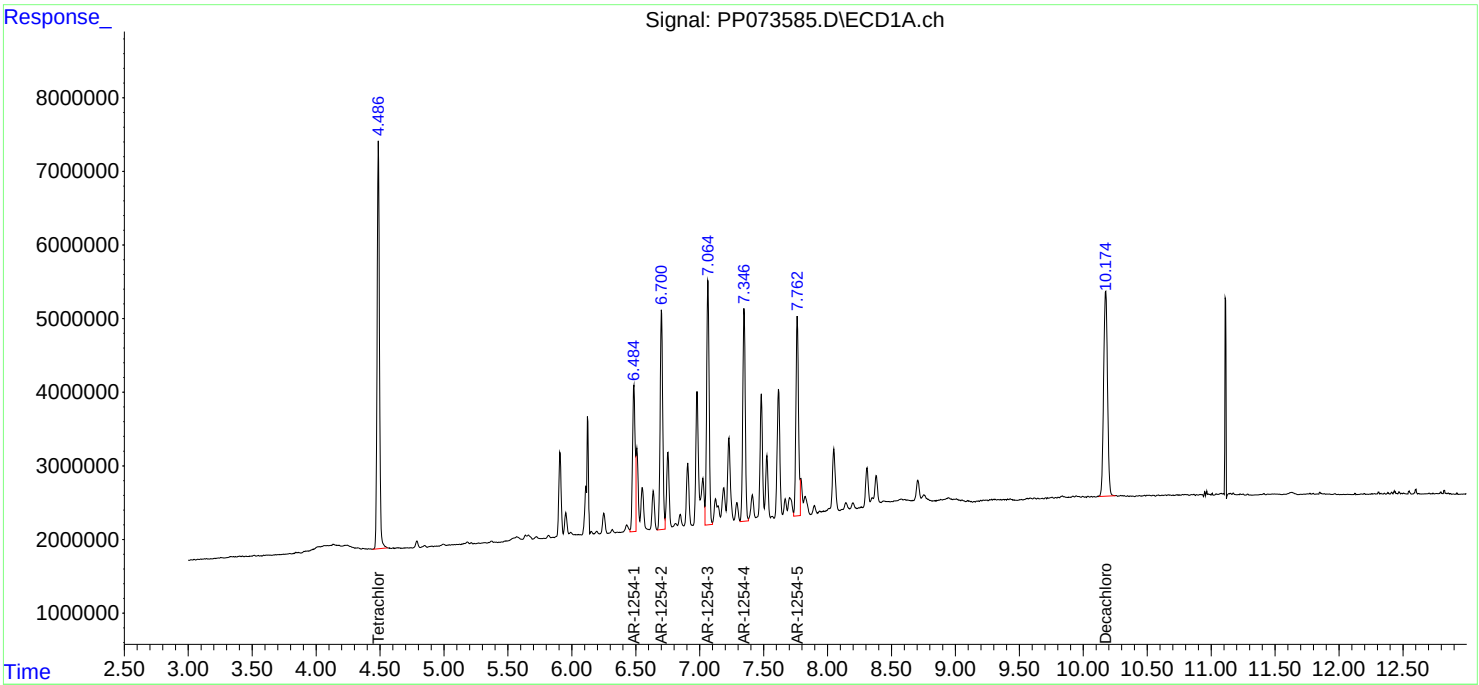
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

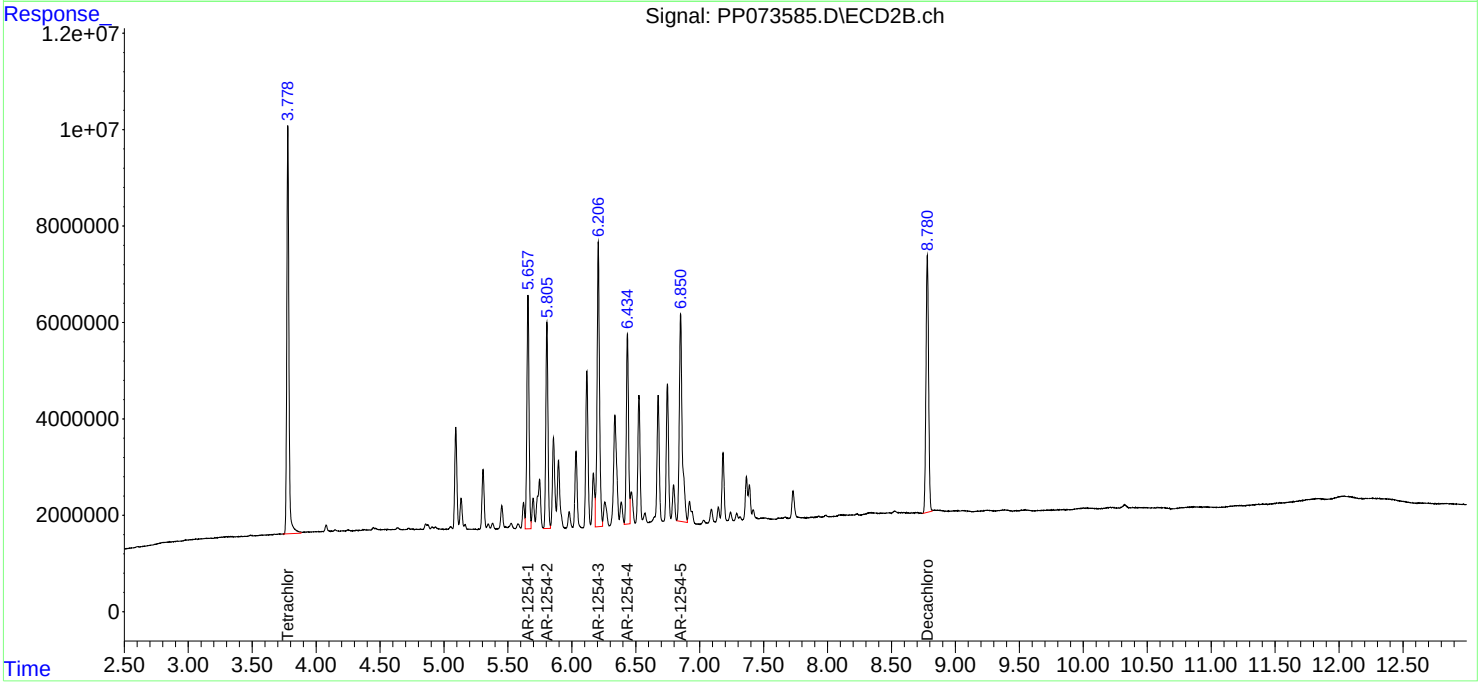
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 06:19
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

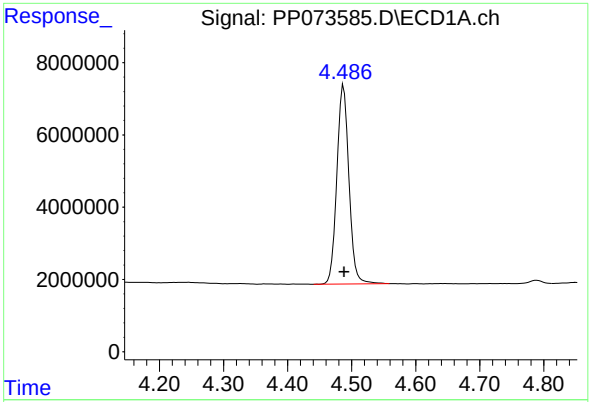
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 06:42:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 06:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



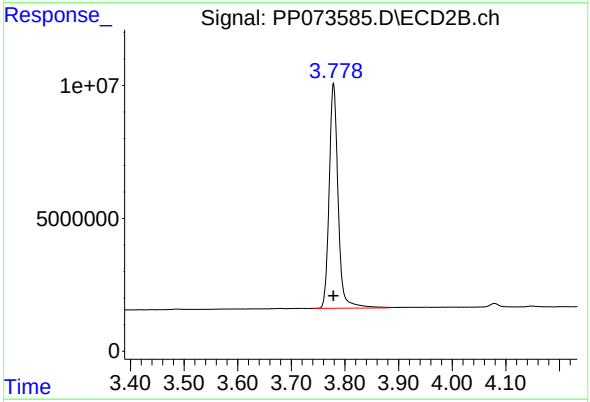




#1 Tetrachloro-m-xylene

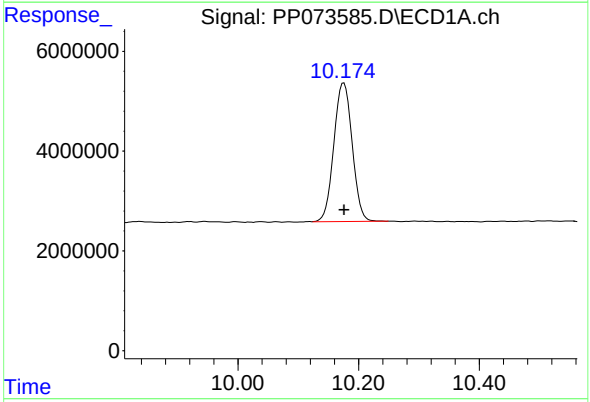
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 72137939
Conc: 52.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



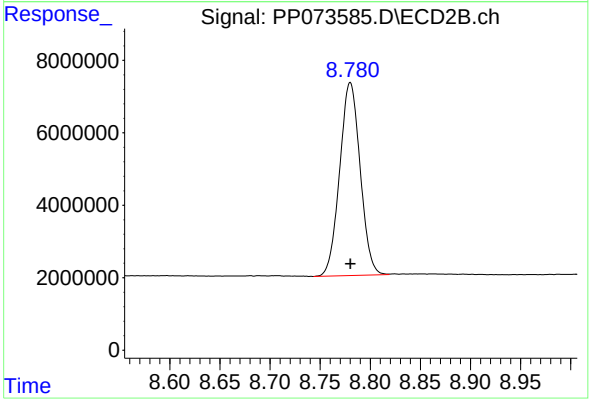
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 98177371
Conc: 53.29 ng/ml



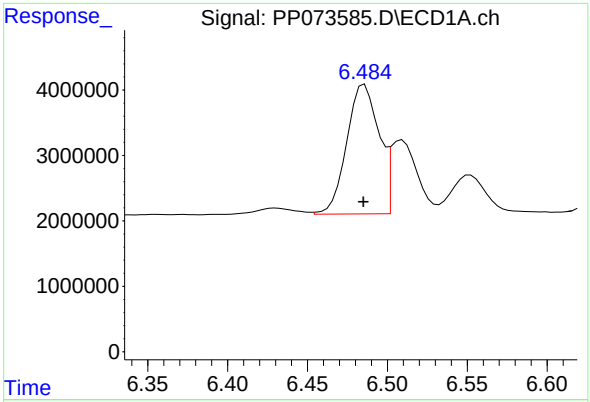
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 58669520
Conc: 53.77 ng/ml



#2 Decachlorobiphenyl

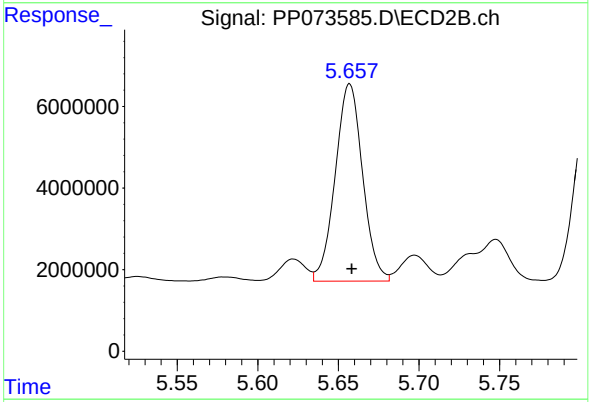
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 75798661
Conc: 57.29 ng/ml



#26 AR-1254-1

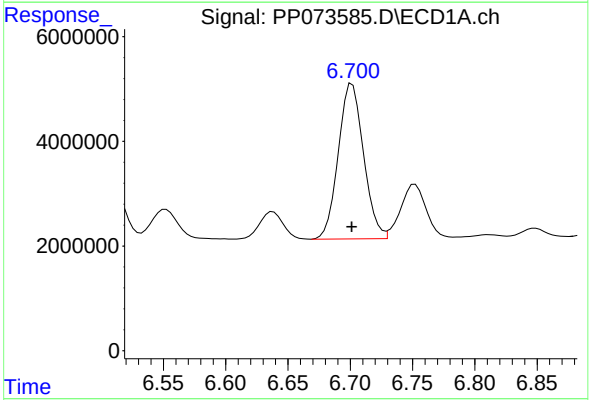
R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 27751618
Conc: 517.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



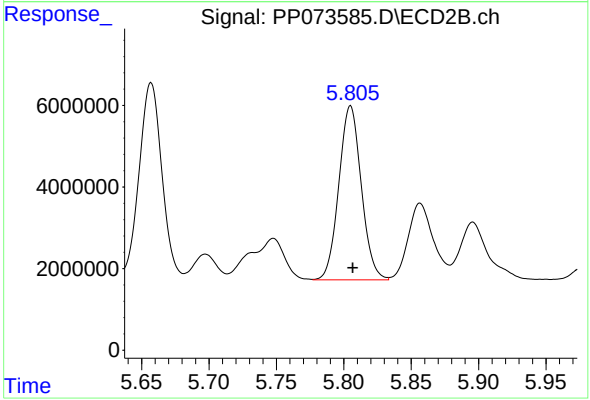
#26 AR-1254-1

R.T.: 5.657 min
Delta R.T.: -0.001 min
Response: 57179282
Conc: 492.80 ng/ml



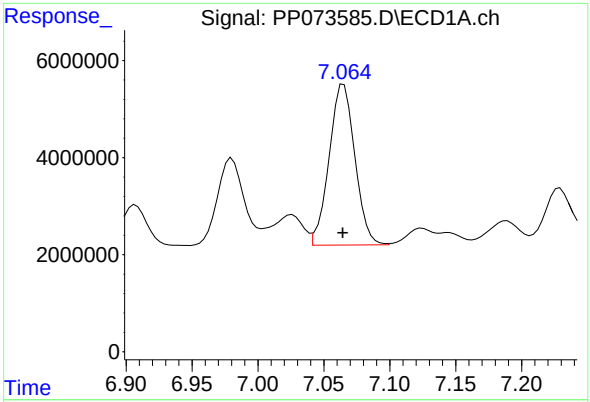
#27 AR-1254-2

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 42039125
Conc: 504.74 ng/ml



#27 AR-1254-2

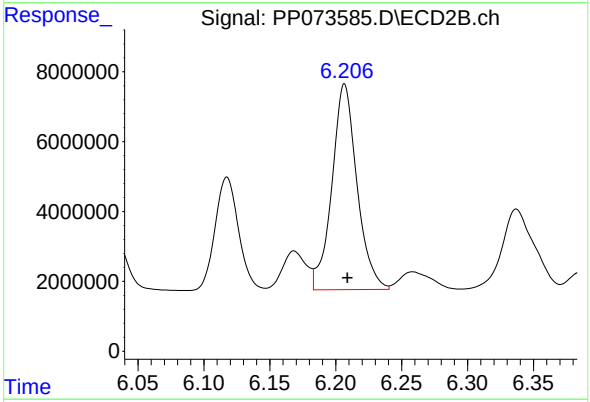
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 49615142
Conc: 493.08 ng/ml



#28 AR-1254-3

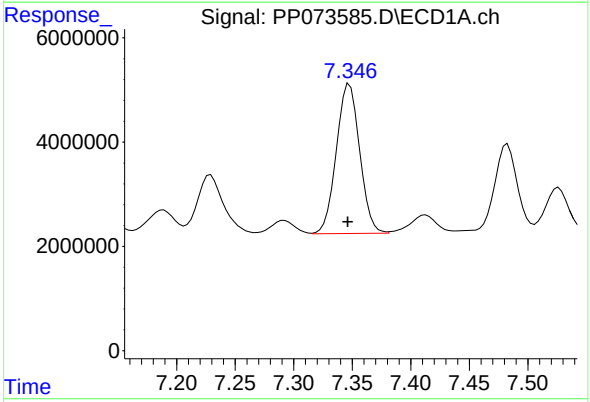
R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 45059626
Conc: 510.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



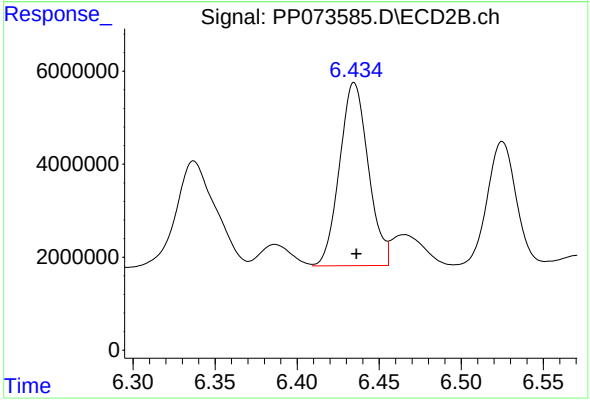
#28 AR-1254-3

R.T.: 6.207 min
Delta R.T.: -0.002 min
Response: 78048221
Conc: 505.34 ng/ml



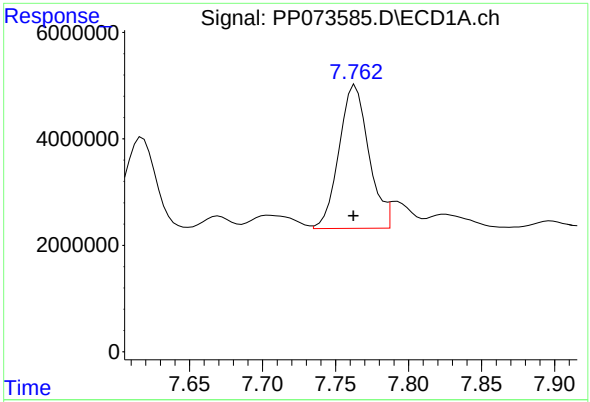
#29 AR-1254-4

R.T.: 7.348 min
Delta R.T.: 0.001 min
Response: 39772060
Conc: 505.57 ng/ml



#29 AR-1254-4

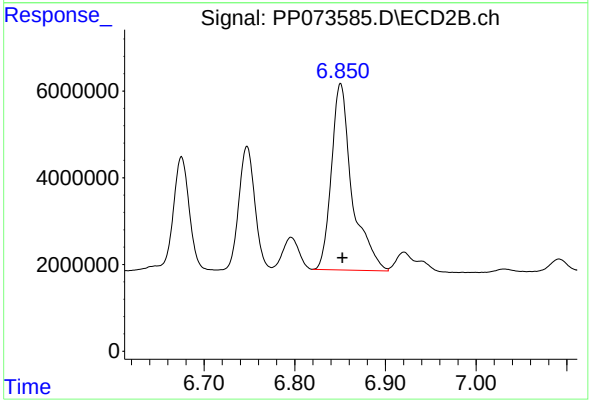
R.T.: 6.435 min
Delta R.T.: -0.001 min
Response: 48017763
Conc: 507.81 ng/ml



#30 AR-1254-5

R.T.: 7.764 min
Delta R.T.: 0.001 min
Response: 38107518
Conc: 517.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



#30 AR-1254-5

R.T.: 6.851 min
Delta R.T.: -0.002 min
Response: 68206603
Conc: 511.12 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 06:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 08:27:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:22:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.484	3.778	70596120	97414683	50.662	50.893
2)	SA Decachlor...	10.172	8.779	103.0E6	129.1E6	51.291	51.524
	Target Compounds						
41)	L9 AR-1268-1	8.689	7.667	113.4E6	151.6E6	508.169	493.340
42)	L9 AR-1268-2	8.781	7.734	97840395	131.8E6	513.584	495.942
43)	L9 AR-1268-3	9.010	7.935	83760936	112.1E6	505.877	496.950
44)	L9 AR-1268-4	9.426	8.229	34884334	47107861	501.616	506.711
45)	L9 AR-1268-5	9.837	8.525	236.8E6	312.0E6	513.720	506.004

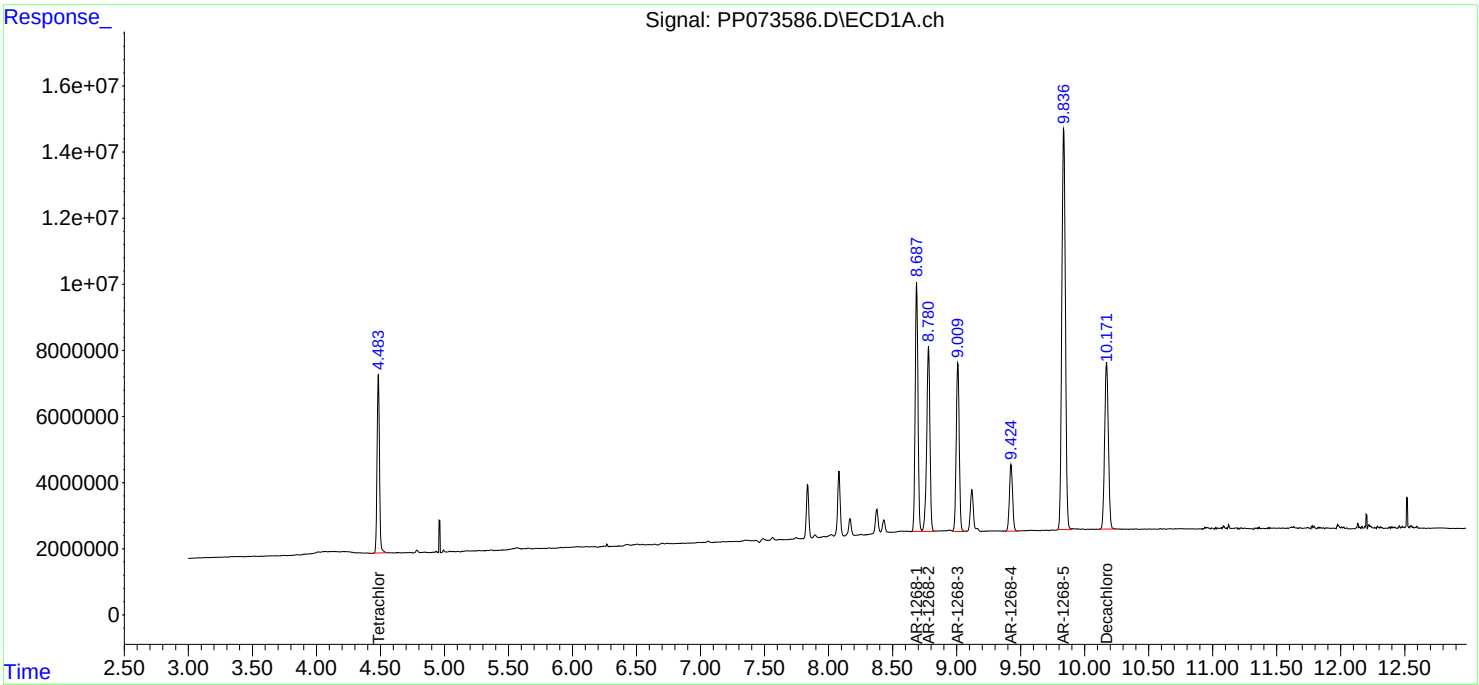
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

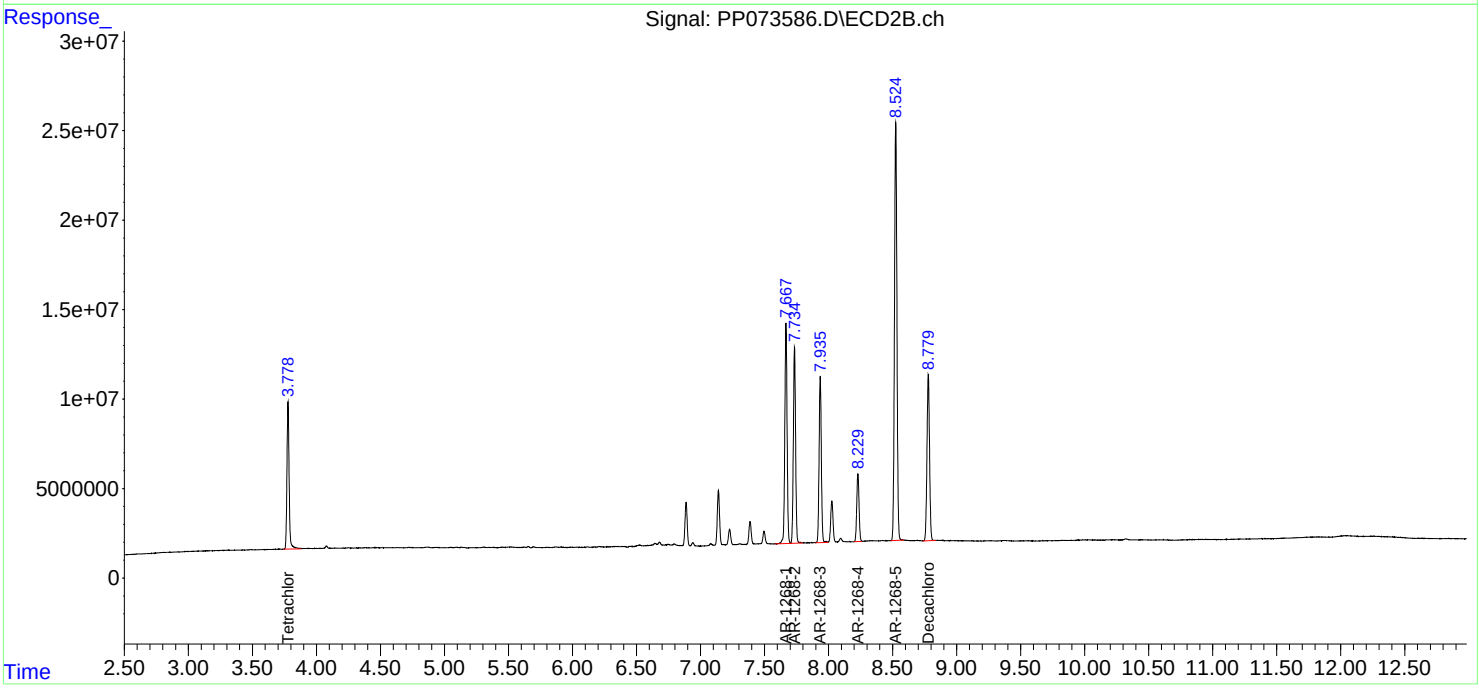
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 06:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

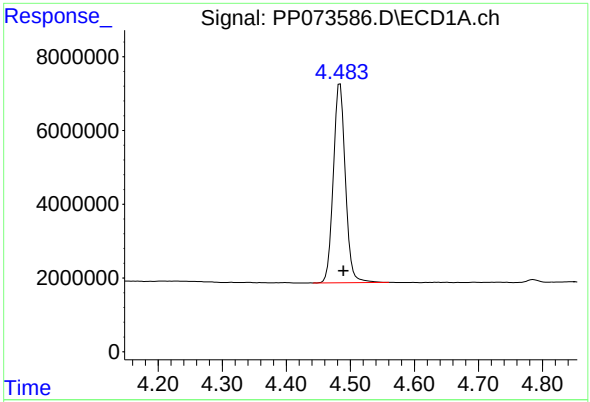
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 08:27:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:22:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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



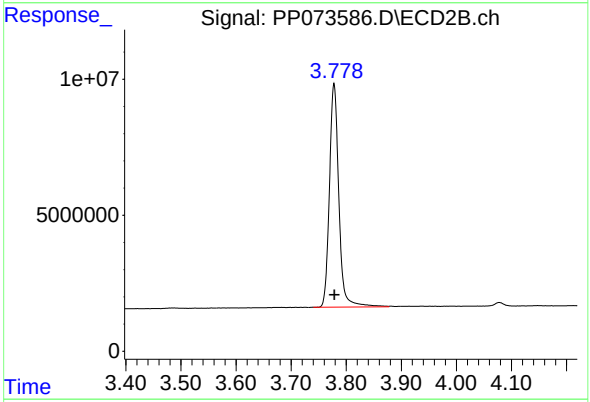




#1 Tetrachloro-m-xylene

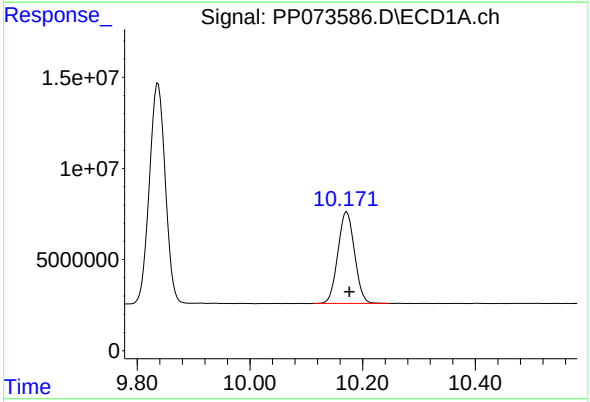
R.T.: 4.484 min
Delta R.T.: -0.005 min
Response: 70596120
Conc: 50.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



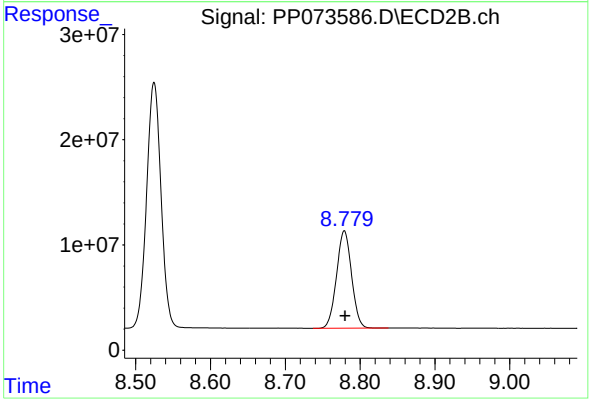
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 97414683
Conc: 50.89 ng/ml



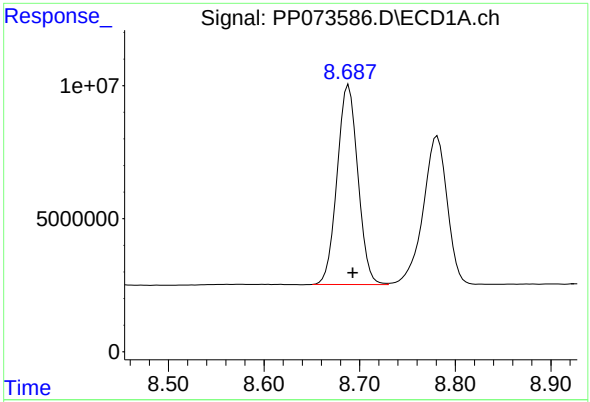
#2 Decachlorobiphenyl

R.T.: 10.172 min
Delta R.T.: -0.005 min
Response: 102995358
Conc: 51.29 ng/ml



#2 Decachlorobiphenyl

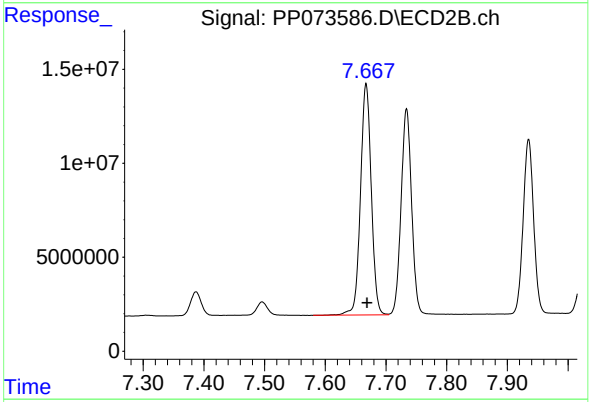
R.T.: 8.779 min
Delta R.T.: -0.001 min
Response: 129091204
Conc: 51.52 ng/ml



#41 AR-1268-1

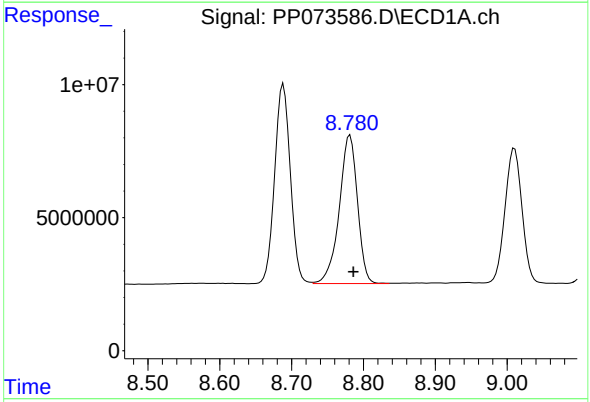
R.T.: 8.689 min
Delta R.T.: -0.004 min
Response: 113435388
Conc: 508.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



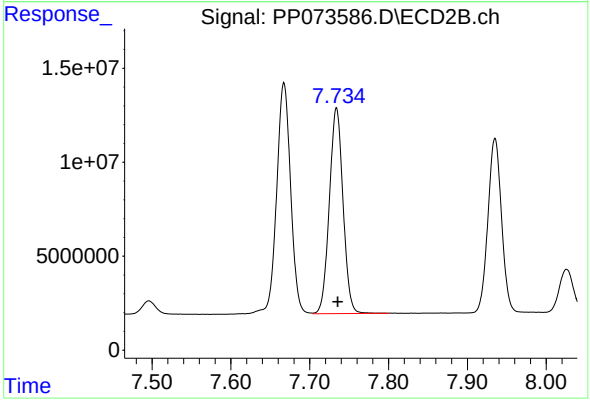
#41 AR-1268-1

R.T.: 7.667 min
Delta R.T.: -0.002 min
Response: 151641353
Conc: 493.34 ng/ml



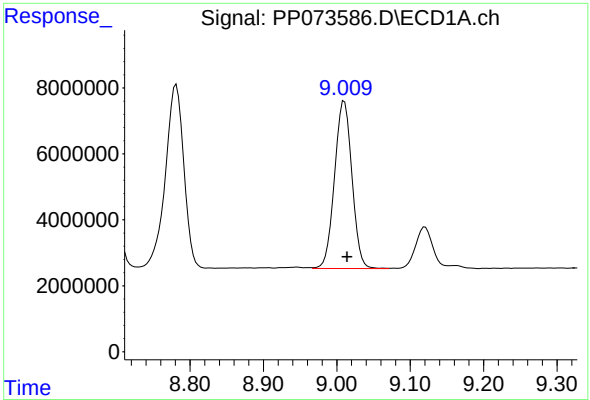
#42 AR-1268-2

R.T.: 8.781 min
Delta R.T.: -0.005 min
Response: 97840395
Conc: 513.58 ng/ml



#42 AR-1268-2

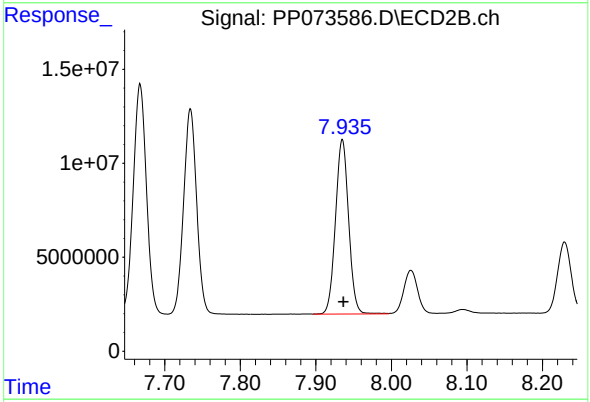
R.T.: 7.734 min
Delta R.T.: -0.001 min
Response: 131765701
Conc: 495.94 ng/ml



#43 AR-1268-3

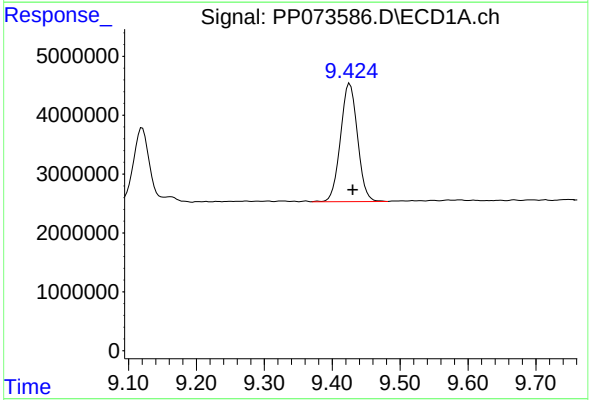
R.T.: 9.010 min
Delta R.T.: -0.004 min
Response: 83760936
Conc: 505.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



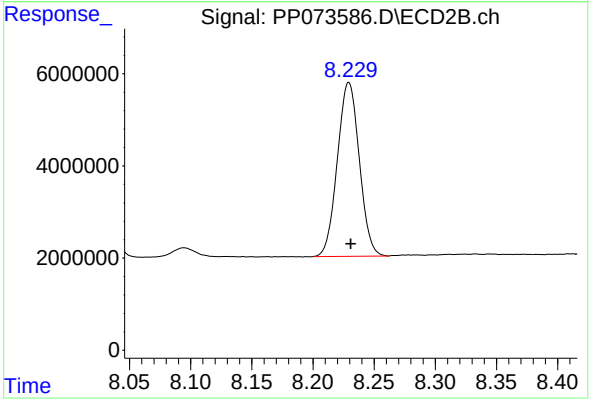
#43 AR-1268-3

R.T.: 7.935 min
Delta R.T.: -0.002 min
Response: 112102210
Conc: 496.95 ng/ml



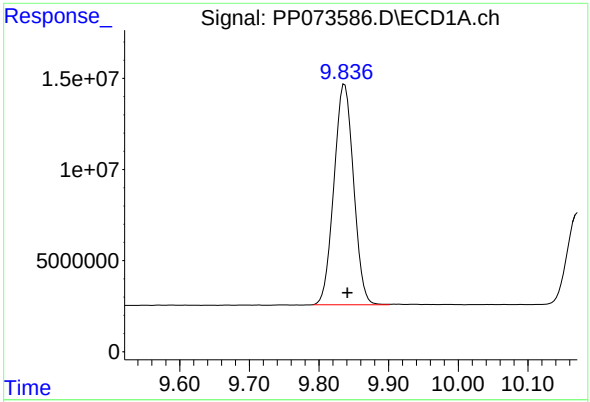
#44 AR-1268-4

R.T.: 9.426 min
Delta R.T.: -0.004 min
Response: 34884334
Conc: 501.62 ng/ml



#44 AR-1268-4

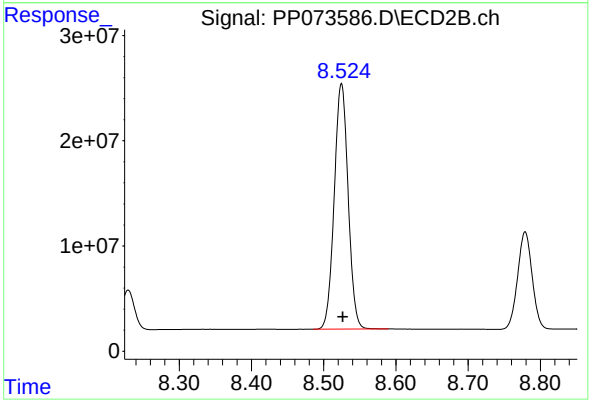
R.T.: 8.229 min
Delta R.T.: -0.002 min
Response: 47107861
Conc: 506.71 ng/ml



#45 AR-1268-5

R.T.: 9.837 min
Delta R.T.: -0.004 min
Response: 236804938
Conc: 513.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



#45 AR-1268-5

R.T.: 8.525 min
Delta R.T.: -0.002 min
Response: 311977174
Conc: 506.00 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 10:08 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.63	5.64	5.54	5.74	0.01
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.01
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.48	4.49	4.39	4.59	0.01
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 10:08 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073711.D **Time Analyzed:** 10:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.634	5.539	5.739	505.600	500.000	1.1
Aroclor-1016-2	5.656	5.560	5.760	529.710	500.000	5.9
Aroclor-1016-3	5.718	5.622	5.822	529.070	500.000	5.8
Aroclor-1016-4	5.816	5.720	5.920	540.550	500.000	8.1
Aroclor-1016-5	6.108	6.012	6.212	541.320	500.000	8.3
Aroclor-1260-1	7.225	7.129	7.329	515.830	500.000	3.2
Aroclor-1260-2	7.479	7.383	7.583	453.160	500.000	-9.4
Aroclor-1260-3	7.836	7.740	7.940	499.080	500.000	-0.2
Aroclor-1260-4	8.061	7.964	8.164	512.730	500.000	2.5
Aroclor-1260-5	8.377	8.283	8.483	510.400	500.000	2.1
Decachlorobiphenyl	10.171	10.076	10.276	53.340	50.000	6.7
Tetrachloro-m-xylene	4.484	4.388	4.588	54.130	50.000	8.3

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073711.D **Time Analyzed:** 10:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.854	4.758	4.958	482.620	500.000	-3.5
Aroclor-1016-2	4.872	4.775	4.975	481.890	500.000	-3.6
Aroclor-1016-3	5.048	4.951	5.151	495.000	500.000	-1.0
Aroclor-1016-4	5.090	4.993	5.193	489.330	500.000	-2.1
Aroclor-1016-5	5.303	5.207	5.407	515.260	500.000	3.1
Aroclor-1260-1	6.334	6.237	6.437	507.790	500.000	1.6
Aroclor-1260-2	6.522	6.425	6.625	512.860	500.000	2.6
Aroclor-1260-3	6.674	6.577	6.777	484.660	500.000	-3.1
Aroclor-1260-4	7.143	7.046	7.246	500.470	500.000	0.1
Aroclor-1260-5	7.386	7.289	7.489	494.820	500.000	-1.0
Decachlorobiphenyl	8.777	8.680	8.880	55.190	50.000	10.4
Tetrachloro-m-xylene	3.777	3.678	3.878	49.570	50.000	-0.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073711.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 10:08
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: Jul 11 11:56:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.484	3.777	74137687	91331608	54.134	49.575
2)	SA Decachlor...	10.171	8.777	58200596	73023464	53.344	55.189
	Target Compounds						
3)	L1 AR-1016-1	5.634	4.854	24022978	32902388	505.602	482.619
4)	L1 AR-1016-2	5.656	4.872	37723091	49097272	529.708	481.892
5)	L1 AR-1016-3	5.718	5.048	23100806	26782642	529.070	495.000
6)	L1 AR-1016-4	5.816	5.090	19430469	21472193	540.552	489.330
7)	L1 AR-1016-5	6.108	5.303	16959933	28124020	541.325	515.257
31)	L7 AR-1260-1	7.225	6.334	30413874	49540364	515.828	507.792
32)	L7 AR-1260-2	7.479	6.522	43430875	62998820	453.161	512.863
33)	L7 AR-1260-3	7.836	6.674	36467780	53052534	499.076	484.658
34)	L7 AR-1260-4	8.061	7.143	33480894	44745962	512.725	500.467
35)	L7 AR-1260-5	8.377	7.386	76994870	111.2E6	510.398	494.825

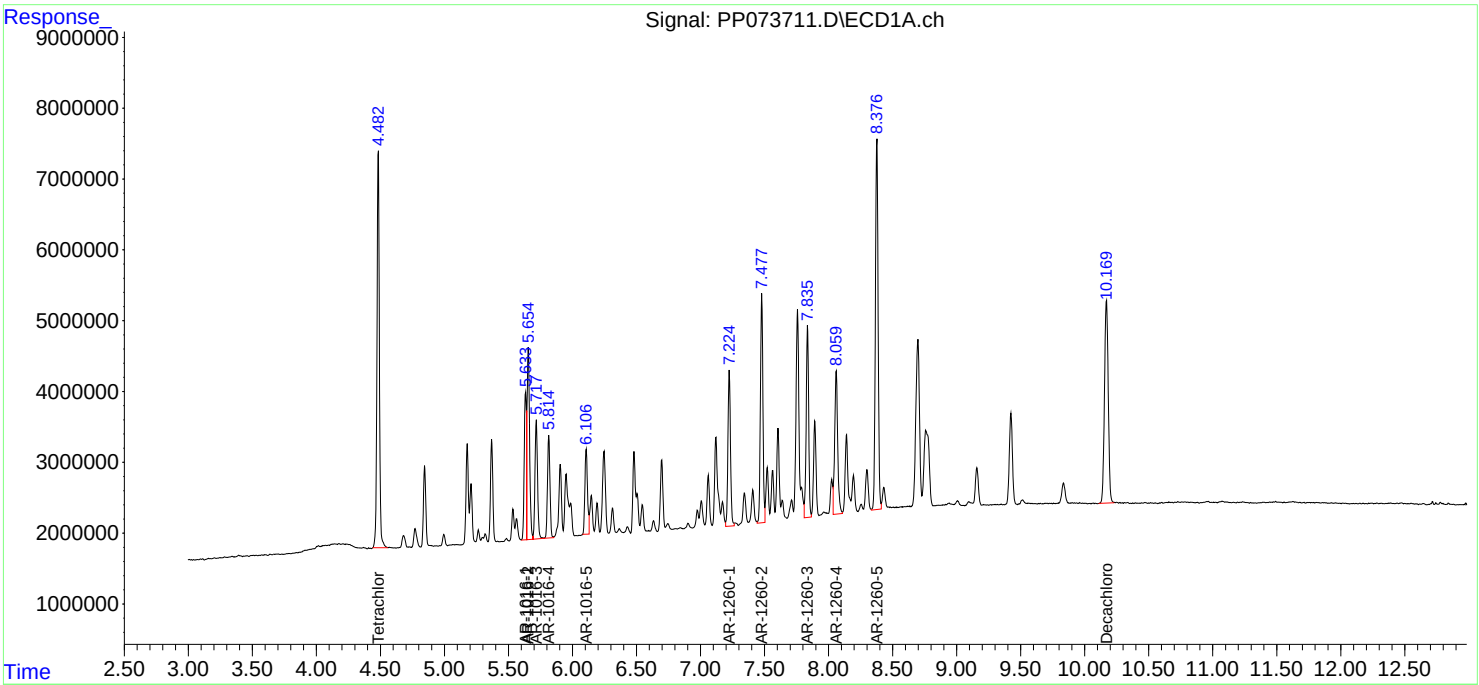
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

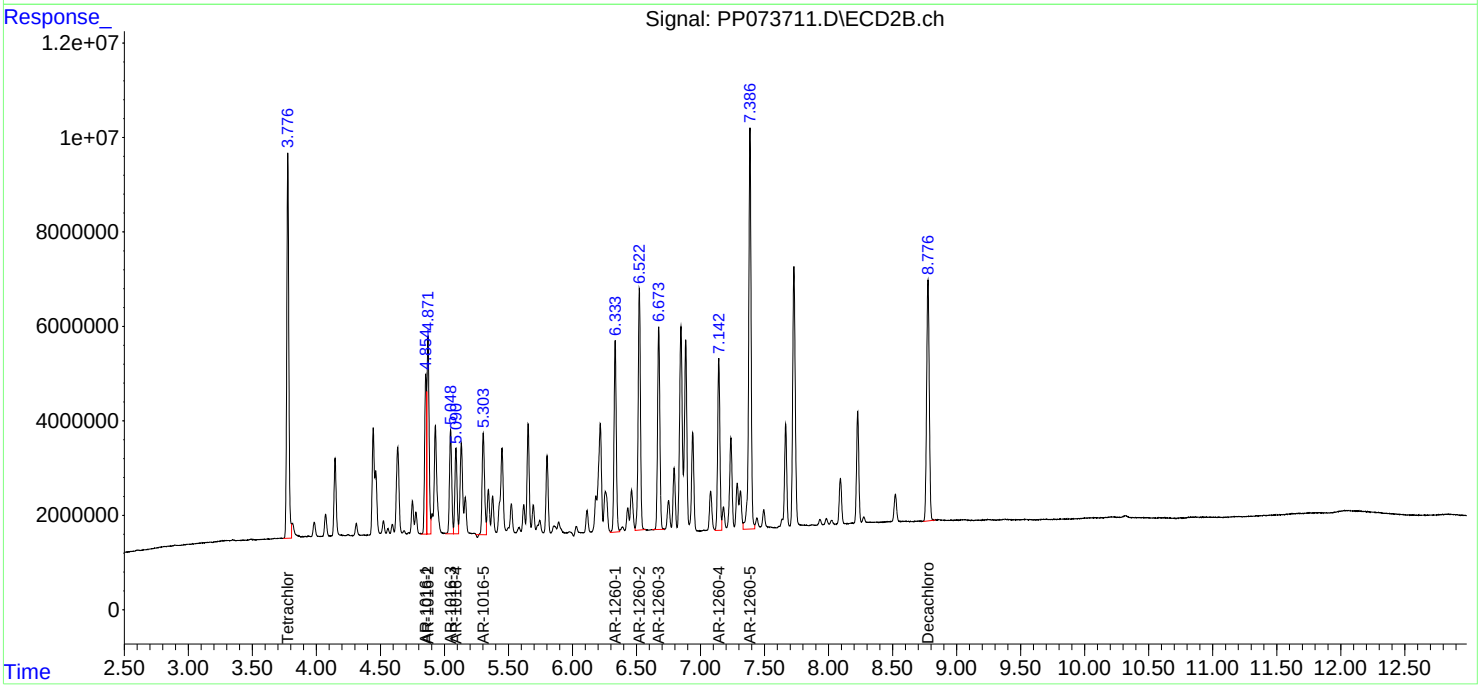
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073711.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 10:08
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

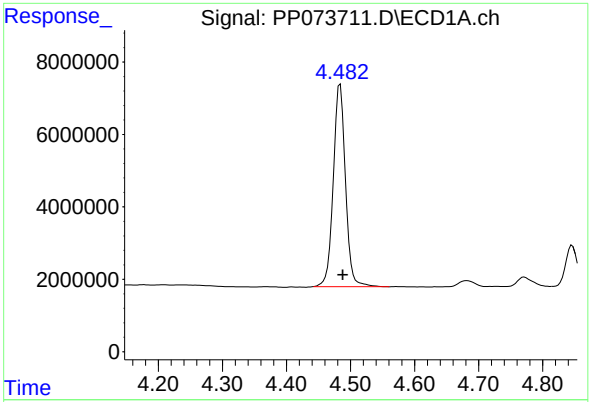
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 11:56:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



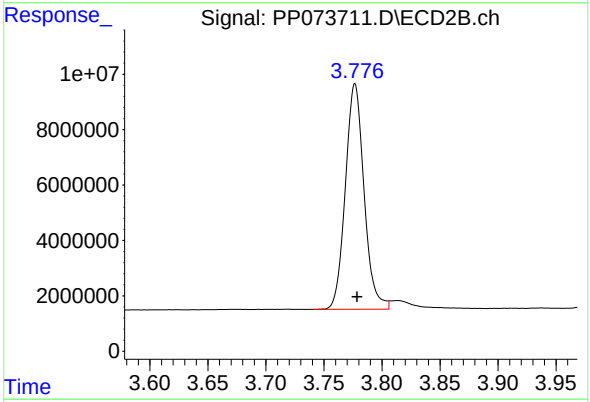




#1 Tetrachloro-m-xylene

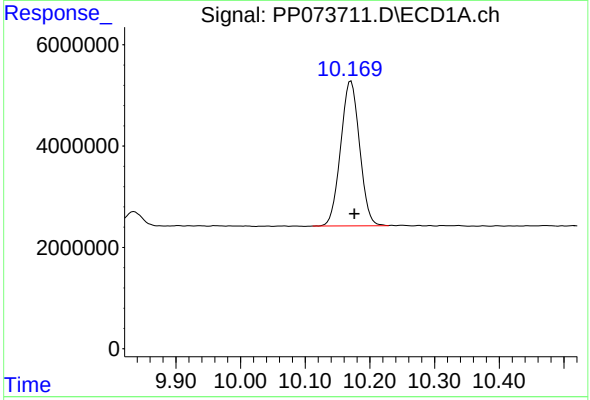
R.T.: 4.484 min
Delta R.T.: -0.004 min
Response: 74137687
Conc: 54.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



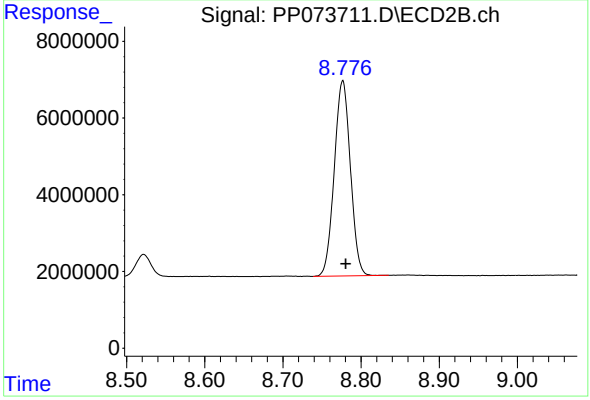
#1 Tetrachloro-m-xylene

R.T.: 3.777 min
Delta R.T.: -0.002 min
Response: 91331608
Conc: 49.57 ng/ml



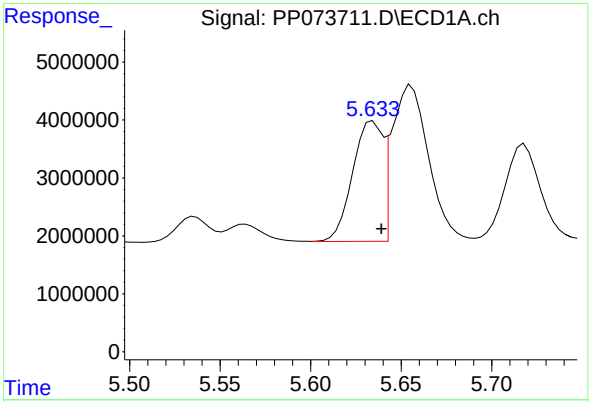
#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 58200596
Conc: 53.34 ng/ml



#2 Decachlorobiphenyl

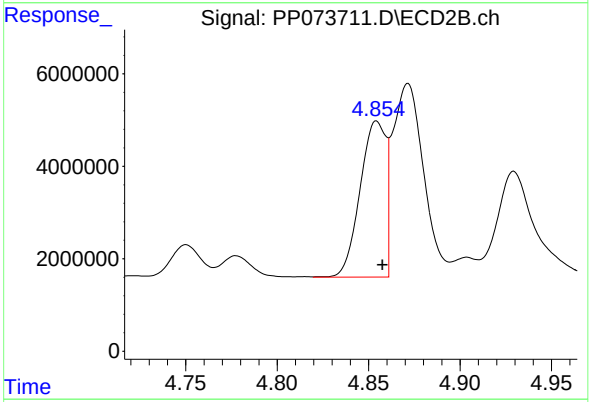
R.T.: 8.777 min
Delta R.T.: -0.004 min
Response: 73023464
Conc: 55.19 ng/ml



#3 AR-1016-1

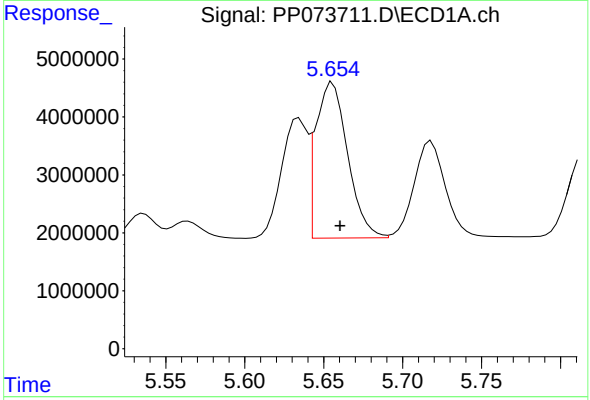
R.T.: 5.634 min
Delta R.T.: -0.005 min
Response: 24022978
Conc: 505.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



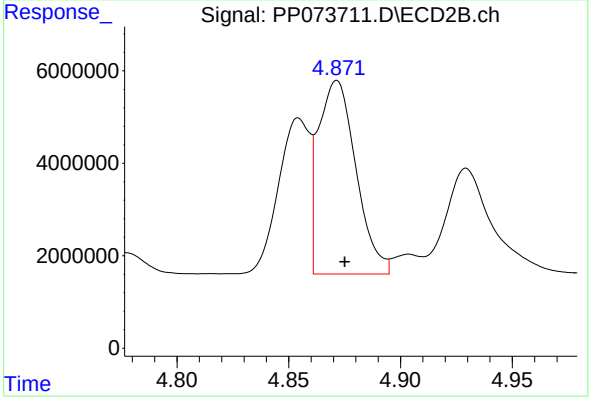
#3 AR-1016-1

R.T.: 4.854 min
Delta R.T.: -0.003 min
Response: 32902388
Conc: 482.62 ng/ml



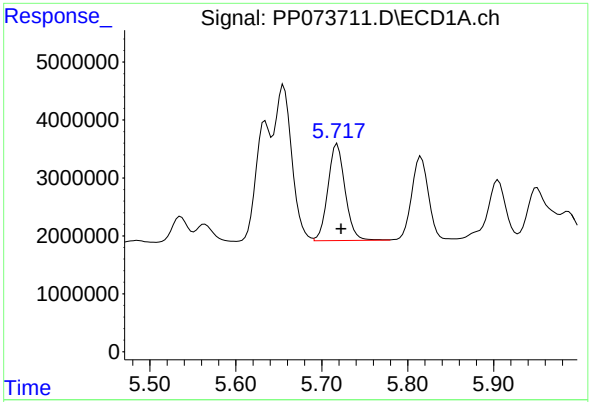
#4 AR-1016-2

R.T.: 5.656 min
Delta R.T.: -0.005 min
Response: 37723091
Conc: 529.71 ng/ml



#4 AR-1016-2

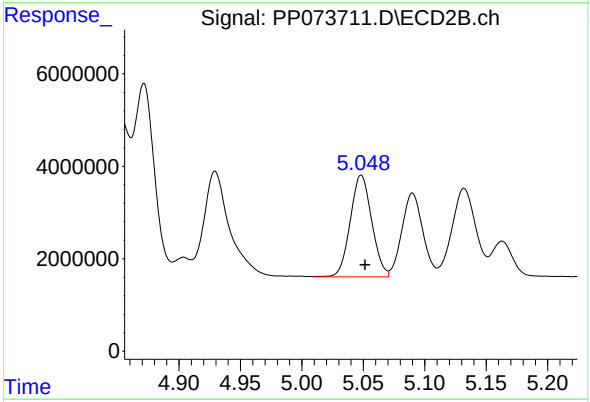
R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 49097272
Conc: 481.89 ng/ml



#5 AR-1016-3

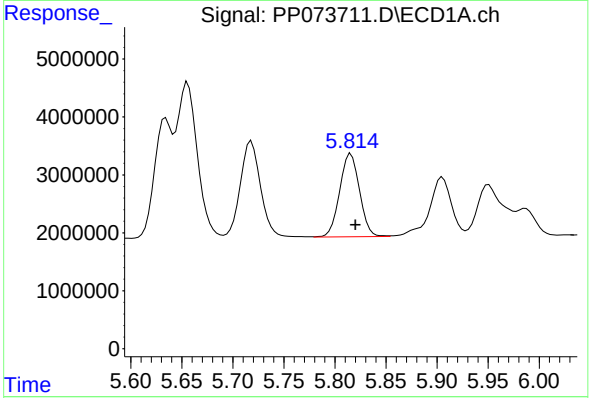
R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 23100806
Conc: 529.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



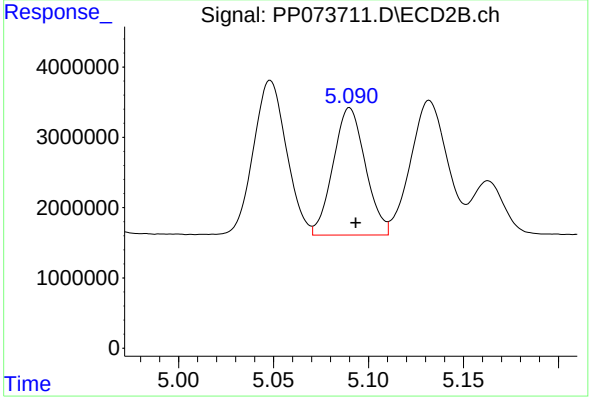
#5 AR-1016-3

R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 26782642
Conc: 495.00 ng/ml



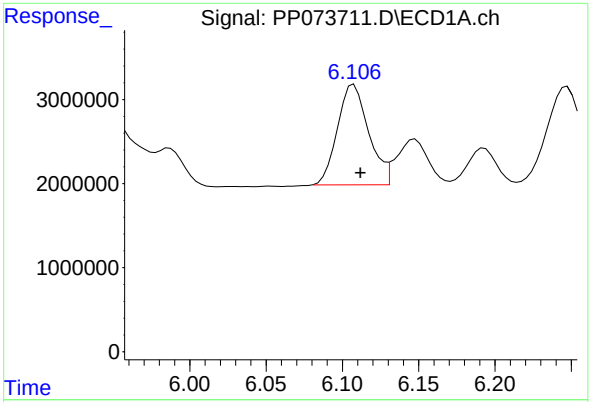
#6 AR-1016-4

R.T.: 5.816 min
Delta R.T.: -0.005 min
Response: 19430469
Conc: 540.55 ng/ml



#6 AR-1016-4

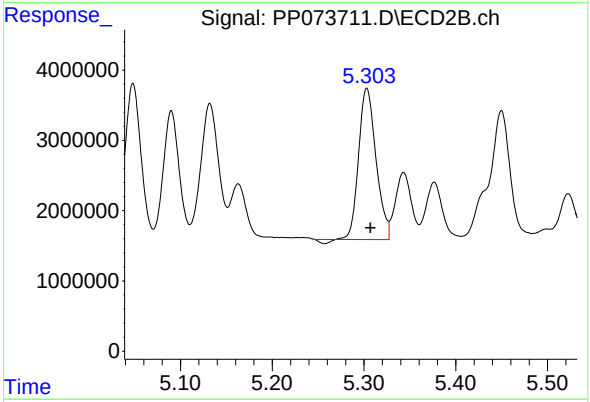
R.T.: 5.090 min
Delta R.T.: -0.003 min
Response: 21472193
Conc: 489.33 ng/ml



#7 AR-1016-5

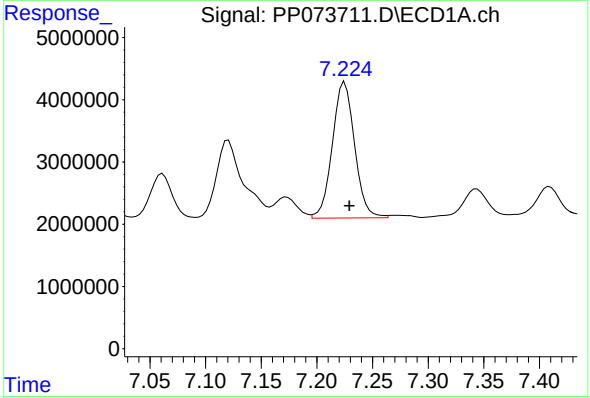
R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 16959933
Conc: 541.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



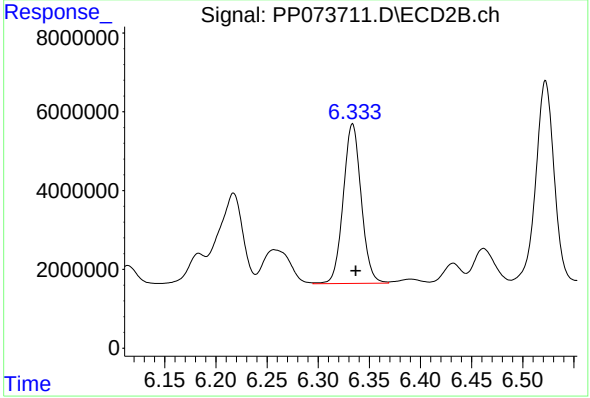
#7 AR-1016-5

R.T.: 5.303 min
Delta R.T.: -0.004 min
Response: 28124020
Conc: 515.26 ng/ml



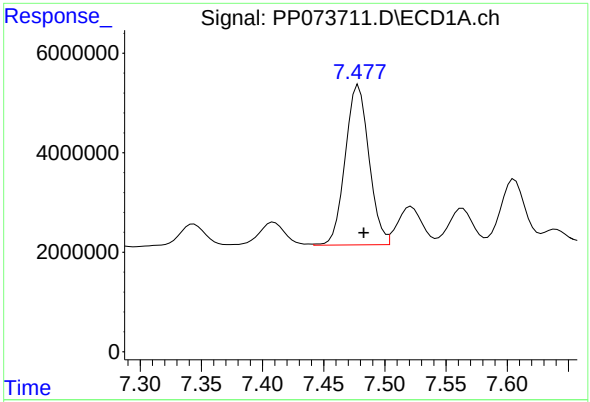
#31 AR-1260-1

R.T.: 7.225 min
Delta R.T.: -0.004 min
Response: 30413874
Conc: 515.83 ng/ml



#31 AR-1260-1

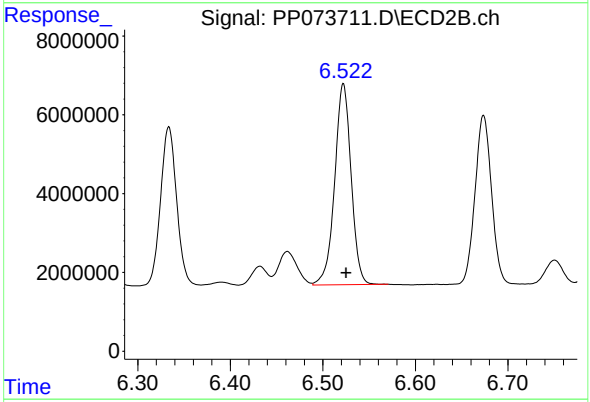
R.T.: 6.334 min
Delta R.T.: -0.003 min
Response: 49540364
Conc: 507.79 ng/ml



#32 AR-1260-2

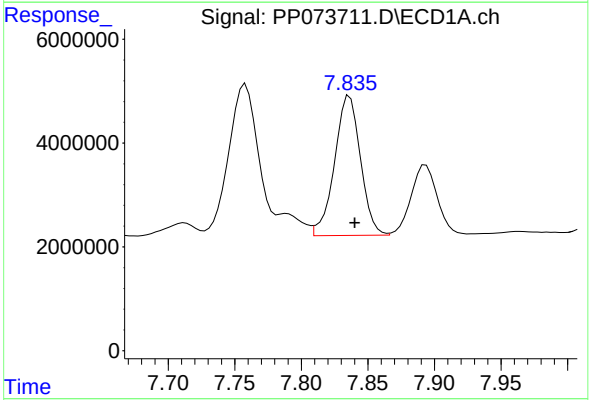
R.T.: 7.479 min
Delta R.T.: -0.004 min
Response: 43430875
Conc: 453.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



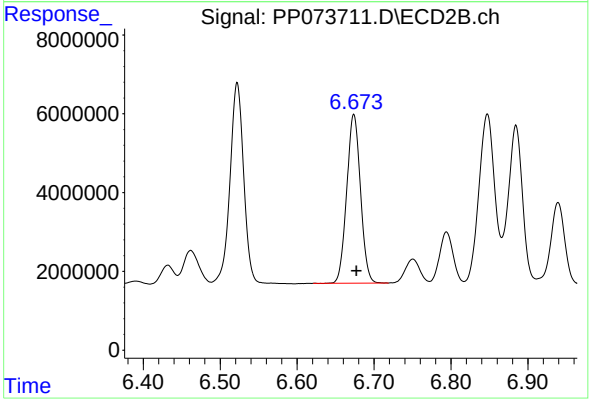
#32 AR-1260-2

R.T.: 6.522 min
Delta R.T.: -0.003 min
Response: 62998820
Conc: 512.86 ng/ml



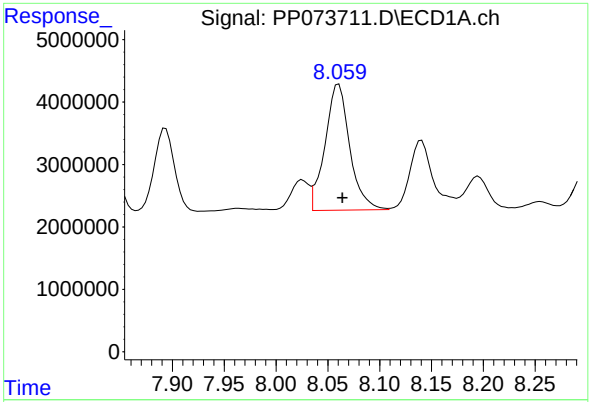
#33 AR-1260-3

R.T.: 7.836 min
Delta R.T.: -0.004 min
Response: 36467780
Conc: 499.08 ng/ml



#33 AR-1260-3

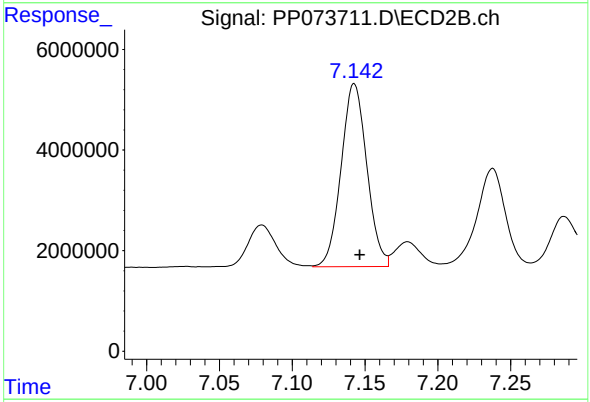
R.T.: 6.674 min
Delta R.T.: -0.003 min
Response: 53052534
Conc: 484.66 ng/ml



#34 AR-1260-4

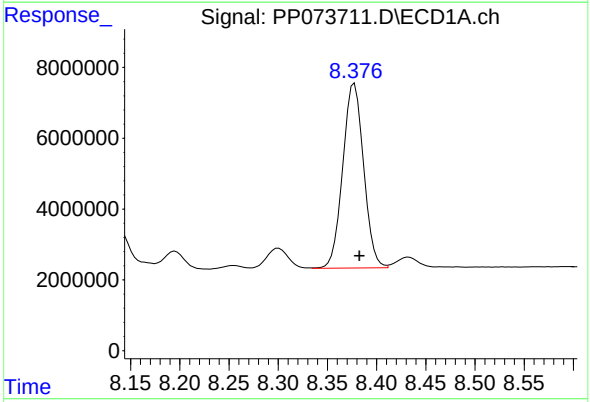
R.T.: 8.061 min
Delta R.T.: -0.004 min
Response: 33480894
Conc: 512.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



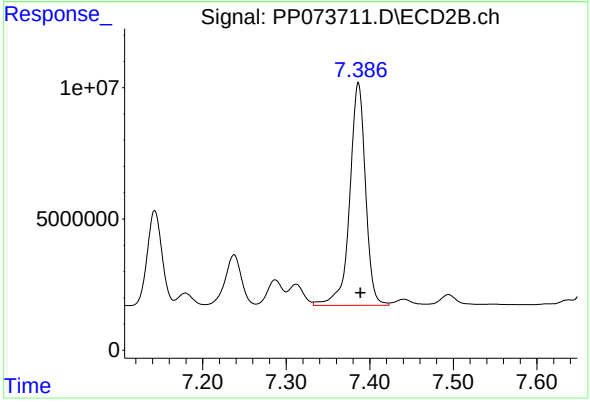
#34 AR-1260-4

R.T.: 7.143 min
Delta R.T.: -0.004 min
Response: 44745962
Conc: 500.47 ng/ml



#35 AR-1260-5

R.T.: 8.377 min
Delta R.T.: -0.005 min
Response: 76994870
Conc: 510.40 ng/ml



#35 AR-1260-5

R.T.: 7.386 min
Delta R.T.: -0.002 min
Response: 111205233
Conc: 494.82 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 16:26 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 16:26 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.15	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073726.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.639	5.539	5.739	506.790	500.000	1.4
Aroclor-1016-2	5.660	5.560	5.760	509.720	500.000	1.9
Aroclor-1016-3	5.722	5.622	5.822	514.970	500.000	3.0
Aroclor-1016-4	5.819	5.720	5.920	525.790	500.000	5.2
Aroclor-1016-5	6.111	6.012	6.212	540.380	500.000	8.1
Aroclor-1260-1	7.228	7.129	7.329	521.900	500.000	4.4
Aroclor-1260-2	7.482	7.383	7.583	453.170	500.000	-9.4
Aroclor-1260-3	7.840	7.740	7.940	503.620	500.000	0.7
Aroclor-1260-4	8.063	7.964	8.164	511.200	500.000	2.2
Aroclor-1260-5	8.381	8.283	8.483	510.220	500.000	2.0
Decachlorobiphenyl	10.174	10.076	10.276	52.950	50.000	5.9
Tetrachloro-m-xylene	4.488	4.388	4.588	53.000	50.000	6.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073726.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.857	4.758	4.958	514.730	500.000	2.9
Aroclor-1016-2	4.874	4.775	4.975	511.340	500.000	2.3
Aroclor-1016-3	5.051	4.951	5.151	518.080	500.000	3.6
Aroclor-1016-4	5.093	4.993	5.193	514.910	500.000	3.0
Aroclor-1016-5	5.306	5.207	5.407	589.400	500.000	17.9
Aroclor-1260-1	6.335	6.237	6.437	516.330	500.000	3.3
Aroclor-1260-2	6.524	6.425	6.625	536.800	500.000	7.4
Aroclor-1260-3	6.676	6.577	6.777	502.940	500.000	0.6
Aroclor-1260-4	7.145	7.046	7.246	520.580	500.000	4.1
Aroclor-1260-5	7.388	7.289	7.489	512.150	500.000	2.4
Decachlorobiphenyl	8.778	8.680	8.880	54.240	50.000	8.5
Tetrachloro-m-xylene	3.779	3.678	3.878	51.270	50.000	2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:26
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: Jul 11 22:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.779	72580321	94454809	52.997	51.270
2)	SA Decachlor...	10.174	8.778	57773233	71769396	52.952	54.241
	Target Compounds						
3)	L1 AR-1016-1	5.639	4.857	24079224	35091805	506.786	514.733
4)	L1 AR-1016-2	5.660	4.874	36299452	52097061	509.717	511.335
5)	L1 AR-1016-3	5.722	5.051	22485157	28031239	514.970	518.077
6)	L1 AR-1016-4	5.819	5.093	18899741	22594471	525.788	514.905
7)	L1 AR-1016-5	6.111	5.306	16930377	32171154	540.382	589.404
31)	L7 AR-1260-1	7.228	6.335	30771956	50373687	521.901	516.334
32)	L7 AR-1260-2	7.482	6.524	43431872	65938882	453.171	536.797
33)	L7 AR-1260-3	7.840	6.676	36800158	55053743	503.624	502.940
34)	L7 AR-1260-4	8.063	7.145	33381570	46544604	511.204	520.584
35)	L7 AR-1260-5	8.381	7.388	76967686	115.1E6	510.217	512.150

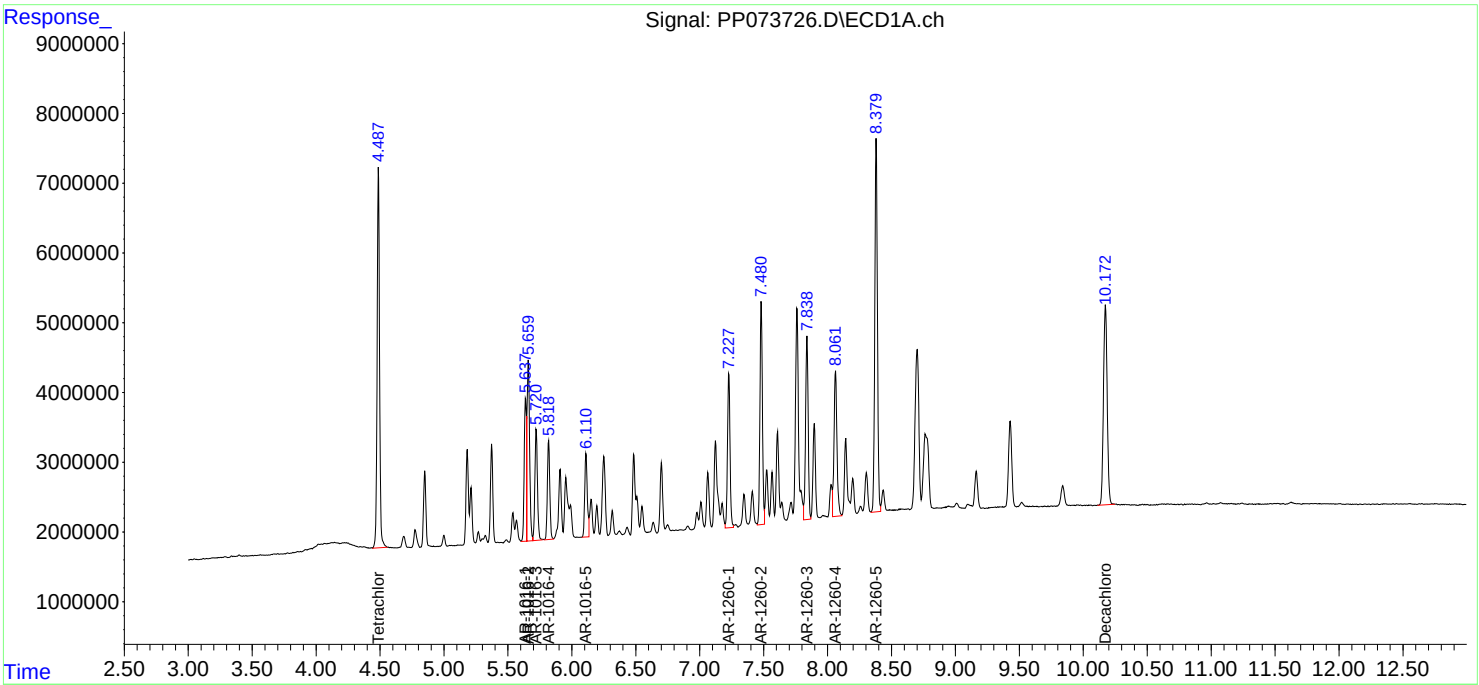
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

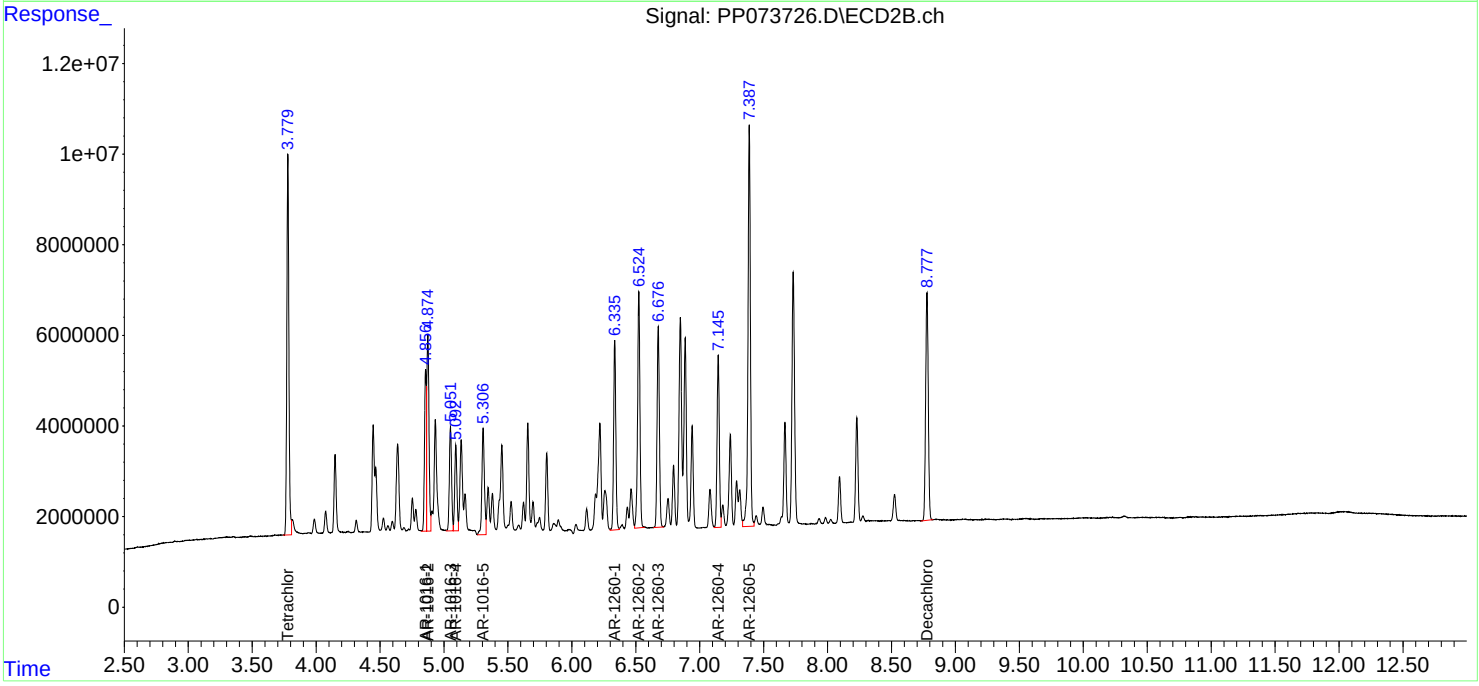
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:26
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

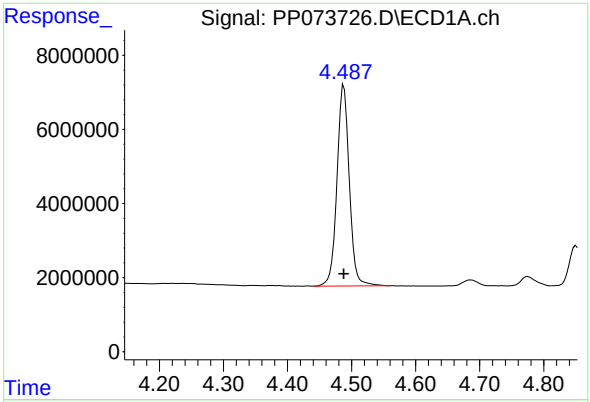
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



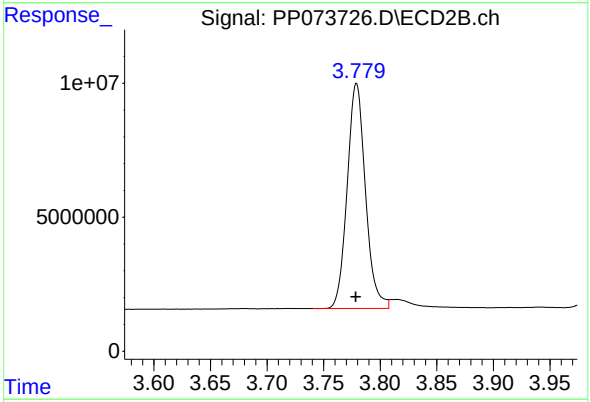




#1 Tetrachloro-m-xylene

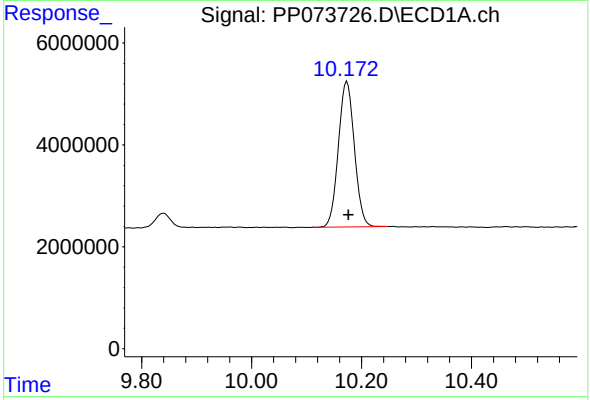
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 72580321
Conc: 53.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



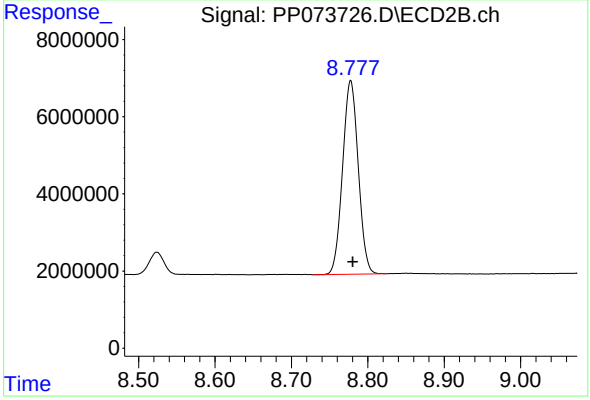
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 94454809
Conc: 51.27 ng/ml



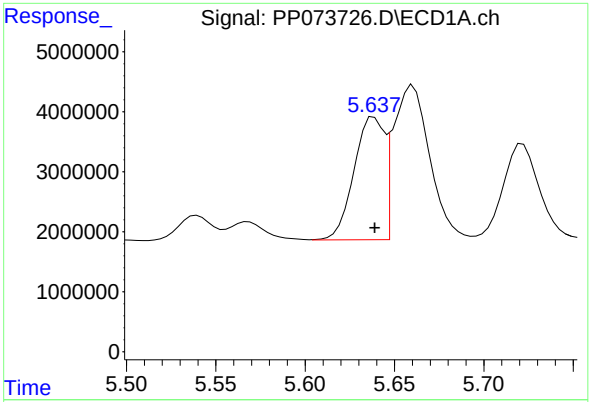
#2 Decachlorobiphenyl

R.T.: 10.174 min
Delta R.T.: -0.002 min
Response: 57773233
Conc: 52.95 ng/ml



#2 Decachlorobiphenyl

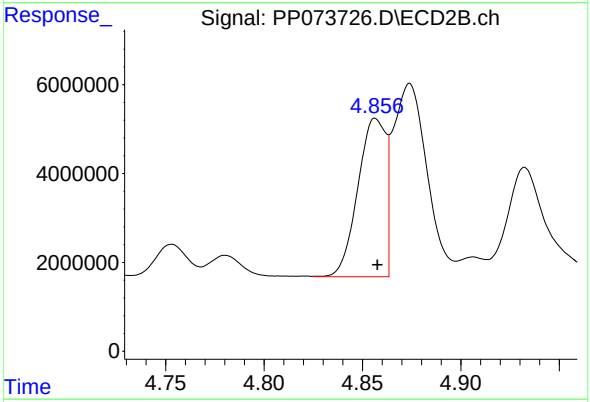
R.T.: 8.778 min
Delta R.T.: -0.003 min
Response: 71769396
Conc: 54.24 ng/ml



#3 AR-1016-1

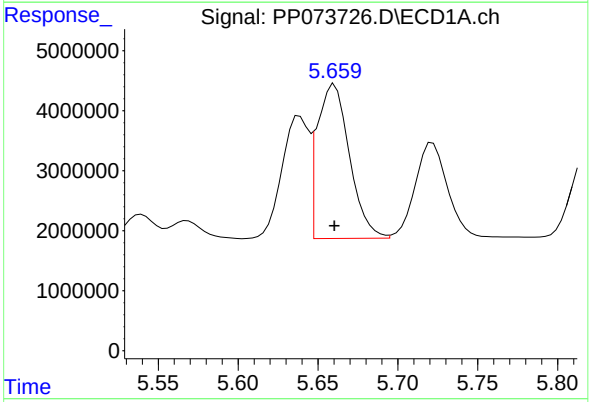
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 24079224
Conc: 506.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



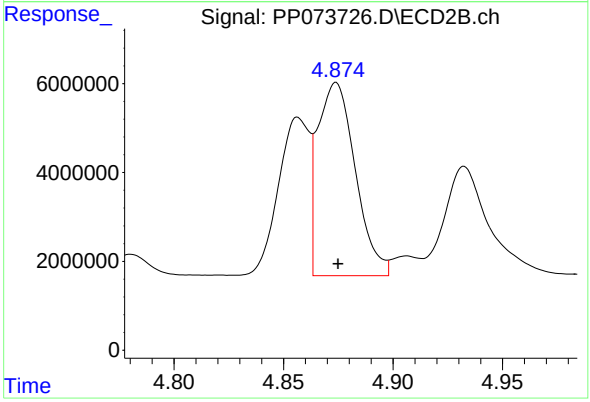
#3 AR-1016-1

R.T.: 4.857 min
Delta R.T.: -0.001 min
Response: 35091805
Conc: 514.73 ng/ml



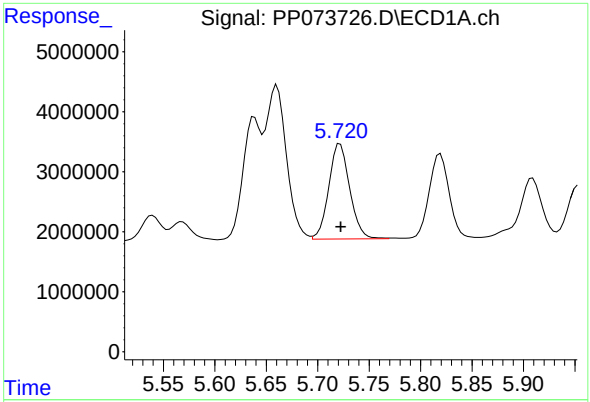
#4 AR-1016-2

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 36299452
Conc: 509.72 ng/ml



#4 AR-1016-2

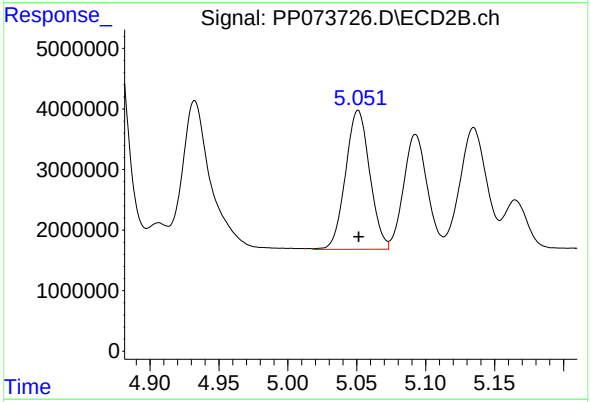
R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 52097061
Conc: 511.34 ng/ml



#5 AR-1016-3

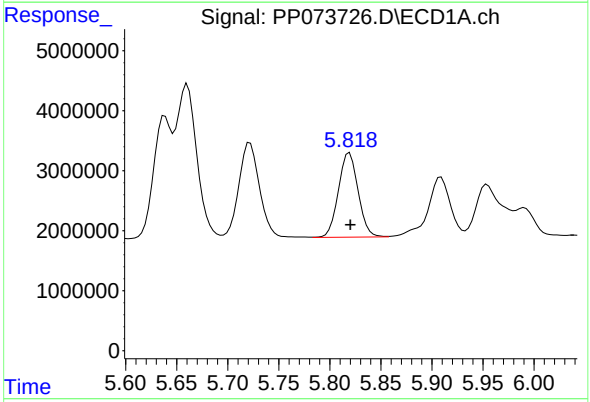
R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 22485157
Conc: 514.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



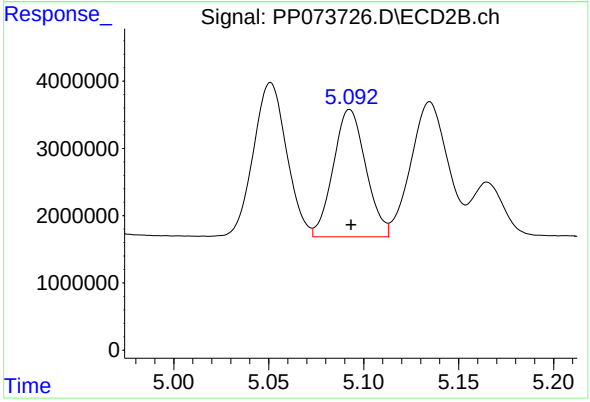
#5 AR-1016-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 28031239
Conc: 518.08 ng/ml



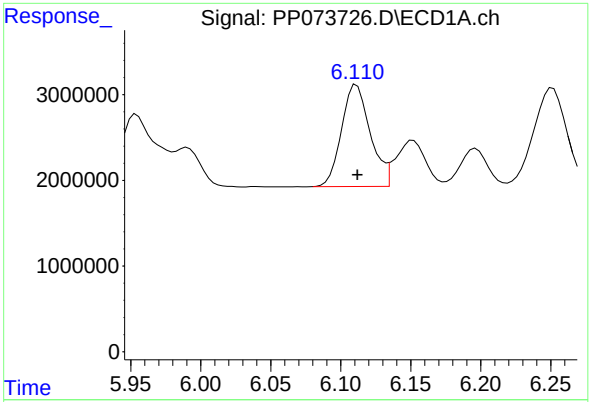
#6 AR-1016-4

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 18899741
Conc: 525.79 ng/ml



#6 AR-1016-4

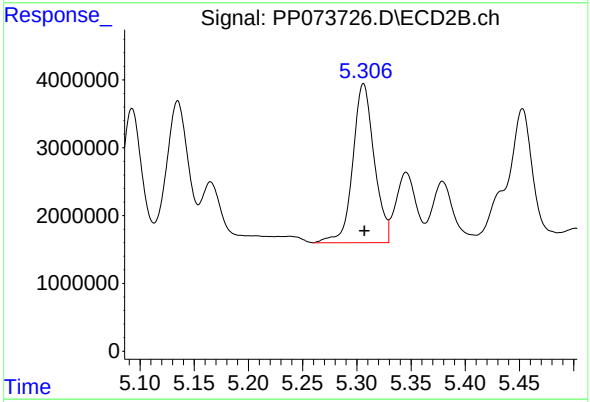
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 22594471
Conc: 514.91 ng/ml



#7 AR-1016-5

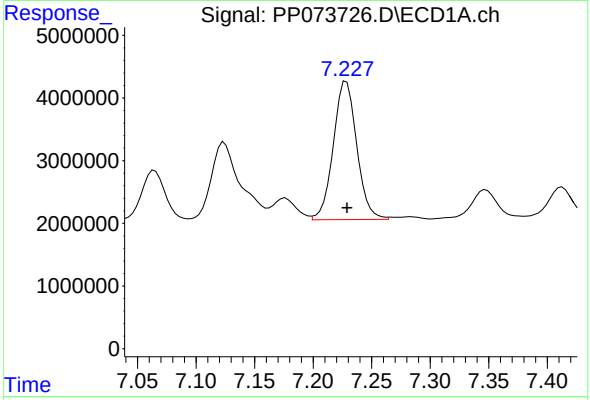
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 16930377
Conc: 540.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



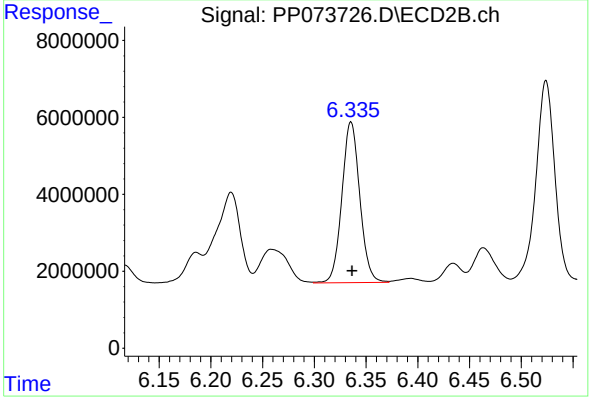
#7 AR-1016-5

R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 32171154
Conc: 589.40 ng/ml



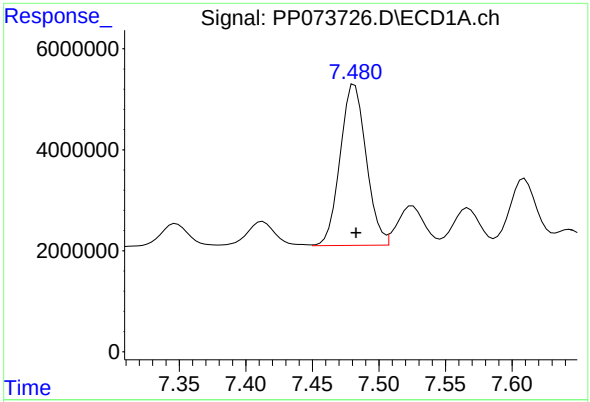
#31 AR-1260-1

R.T.: 7.228 min
Delta R.T.: 0.000 min
Response: 30771956
Conc: 521.90 ng/ml



#31 AR-1260-1

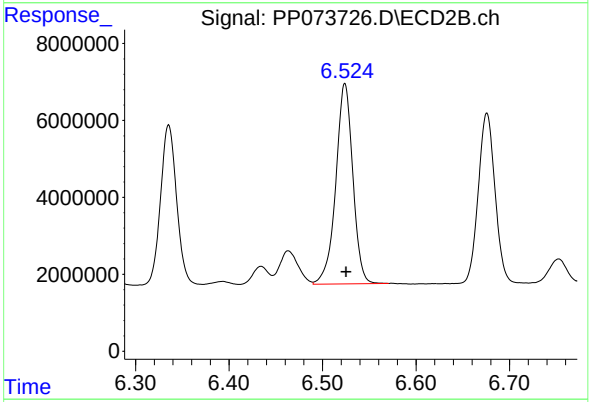
R.T.: 6.335 min
Delta R.T.: -0.001 min
Response: 50373687
Conc: 516.33 ng/ml



#32 AR-1260-2

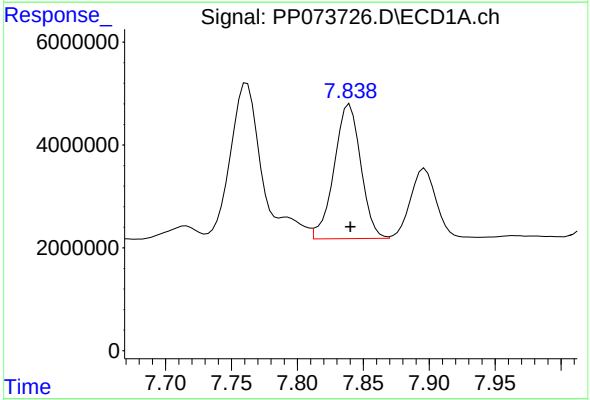
R.T.: 7.482 min
Delta R.T.: -0.001 min
Response: 43431872
Conc: 453.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



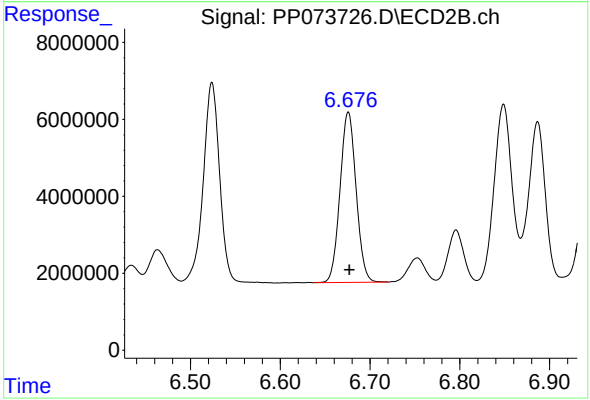
#32 AR-1260-2

R.T.: 6.524 min
Delta R.T.: -0.001 min
Response: 65938882
Conc: 536.80 ng/ml



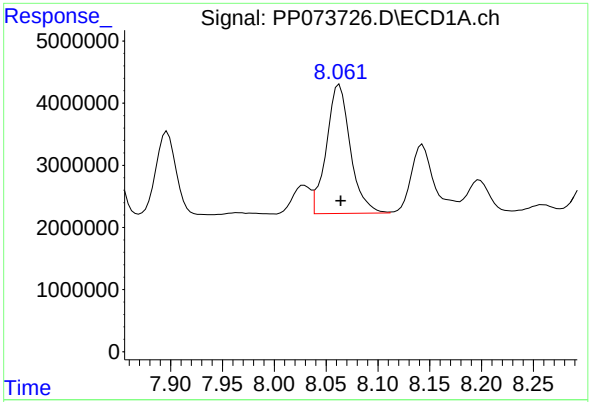
#33 AR-1260-3

R.T.: 7.840 min
Delta R.T.: 0.000 min
Response: 36800158
Conc: 503.62 ng/ml



#33 AR-1260-3

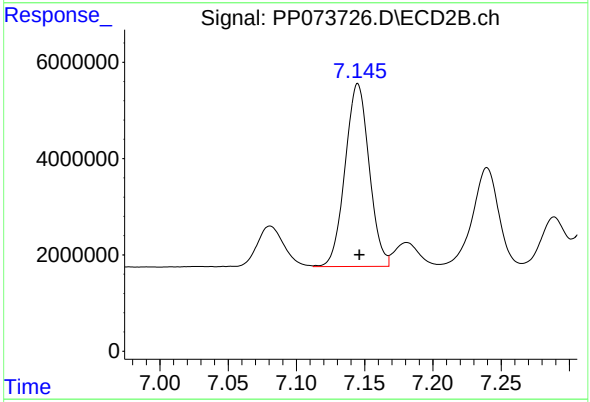
R.T.: 6.676 min
Delta R.T.: -0.001 min
Response: 55053743
Conc: 502.94 ng/ml



#34 AR-1260-4

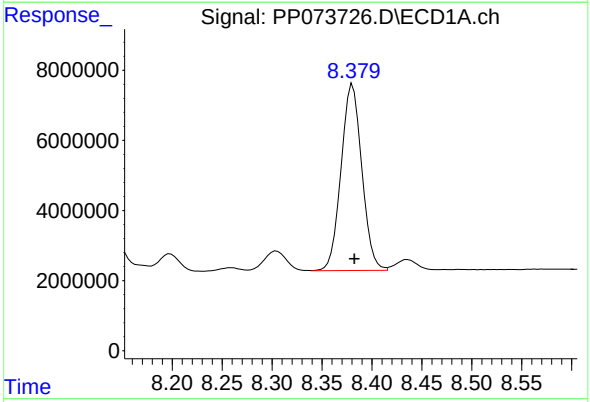
R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 33381570
Conc: 511.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



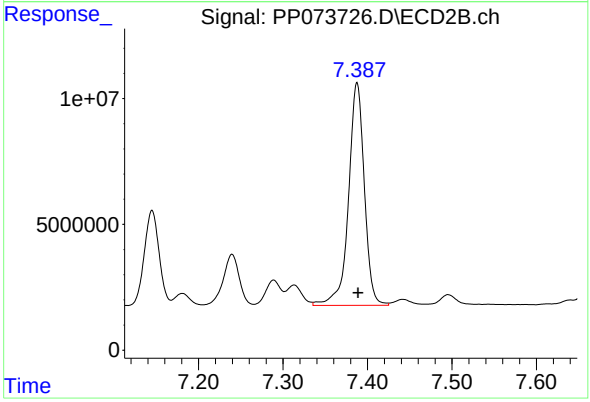
#34 AR-1260-4

R.T.: 7.145 min
Delta R.T.: -0.001 min
Response: 46544604
Conc: 520.58 ng/ml



#35 AR-1260-5

R.T.: 8.381 min
Delta R.T.: -0.002 min
Response: 76967686
Conc: 510.22 ng/ml



#35 AR-1260-5

R.T.: 7.388 min
Delta R.T.: -0.001 min
Response: 115098919
Conc: 512.15 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 21:38 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.18	10.18	10.08	10.28	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 21:38 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073741.D **Time Analyzed:** 21:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.640	5.539	5.739	496.340	500.000	-0.7
Aroclor-1016-2	5.661	5.560	5.760	513.030	500.000	2.6
Aroclor-1016-3	5.723	5.622	5.822	515.830	500.000	3.2
Aroclor-1016-4	5.821	5.720	5.920	524.450	500.000	4.9
Aroclor-1016-5	6.113	6.012	6.212	538.900	500.000	7.8
Aroclor-1260-1	7.229	7.129	7.329	525.470	500.000	5.1
Aroclor-1260-2	7.483	7.383	7.583	449.140	500.000	-10.2
Aroclor-1260-3	7.841	7.740	7.940	496.710	500.000	-0.7
Aroclor-1260-4	8.064	7.964	8.164	508.030	500.000	1.6
Aroclor-1260-5	8.382	8.283	8.483	505.700	500.000	1.1
Decachlorobiphenyl	10.175	10.076	10.276	52.150	50.000	4.3
Tetrachloro-m-xylene	4.489	4.388	4.588	52.240	50.000	4.5

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073741.D **Time Analyzed:** 21:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.856	4.758	4.958	501.980	500.000	0.4
Aroclor-1016-2	4.874	4.775	4.975	509.230	500.000	1.8
Aroclor-1016-3	5.051	4.951	5.151	513.940	500.000	2.8
Aroclor-1016-4	5.093	4.993	5.193	505.170	500.000	1.0
Aroclor-1016-5	5.306	5.207	5.407	588.380	500.000	17.7
Aroclor-1260-1	6.336	6.237	6.437	510.450	500.000	2.1
Aroclor-1260-2	6.524	6.425	6.625	526.540	500.000	5.3
Aroclor-1260-3	6.675	6.577	6.777	491.100	500.000	-1.8
Aroclor-1260-4	7.144	7.046	7.246	512.680	500.000	2.5
Aroclor-1260-5	7.387	7.289	7.489	507.870	500.000	1.6
Decachlorobiphenyl	8.778	8.680	8.880	57.670	50.000	15.3
Tetrachloro-m-xylene	3.779	3.678	3.878	51.100	50.000	2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073741.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 21:38
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: Jul 11 22:56:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.779	71540036	94132667	52.237	51.095
2)	SA Decachlor...	10.175	8.778	56893346	76308620	52.145	57.672
	Target Compounds						
3)	L1 AR-1016-1	5.640	4.856	23582870	34222397	496.340	501.981
4)	L1 AR-1016-2	5.661	4.874	36535668	51882114	513.034	509.225
5)	L1 AR-1016-3	5.723	5.051	22522667	27807405	515.829	513.940
6)	L1 AR-1016-4	5.821	5.093	18851749	22167236	524.453	505.169
7)	L1 AR-1016-5	6.113	5.306	16884104	32115416	538.905	588.383
31)	L7 AR-1260-1	7.229	6.336	30982187	49800124	525.467	510.455
32)	L7 AR-1260-2	7.483	6.524	43045814	64679424	449.143	526.544
33)	L7 AR-1260-3	7.841	6.675	36294834	53757928	496.709	491.102
34)	L7 AR-1260-4	8.064	7.144	33174049	45838110	508.026	512.682
35)	L7 AR-1260-5	8.382	7.387	76285870	114.1E6	505.698	507.869

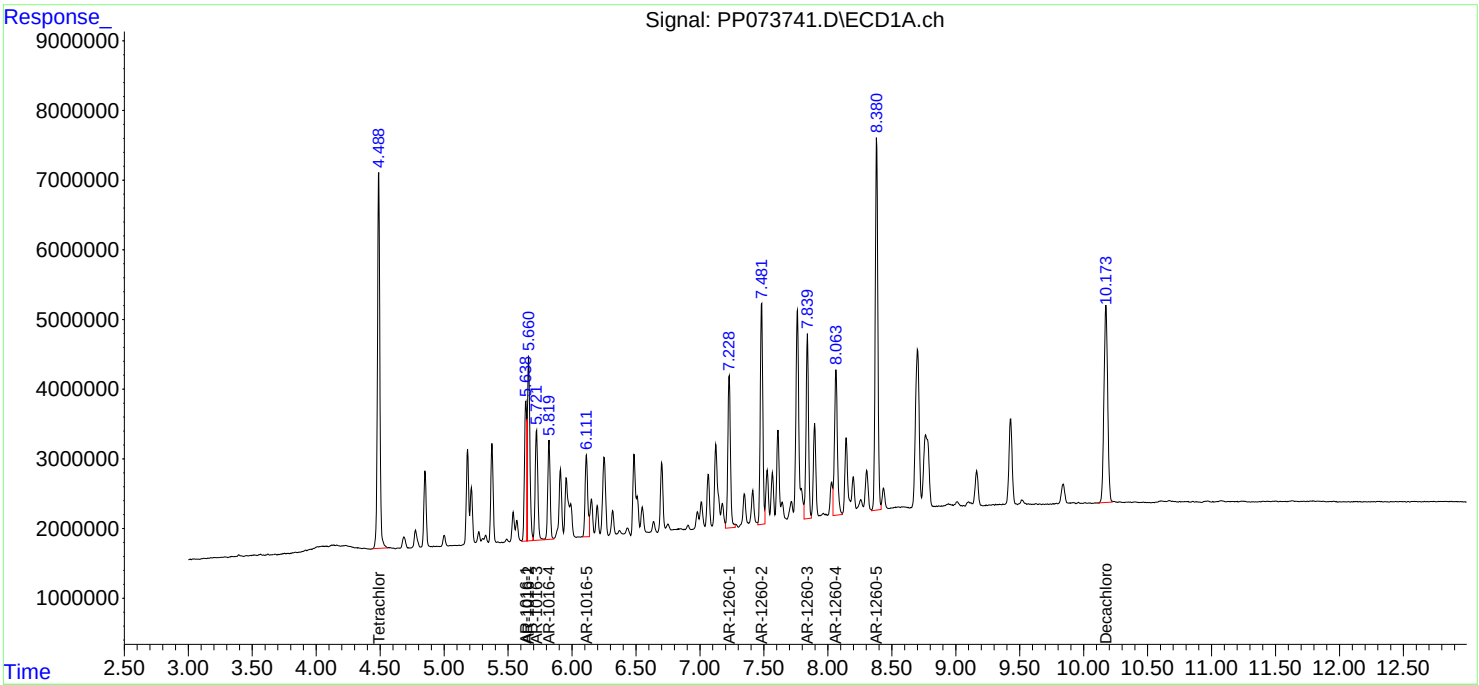
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

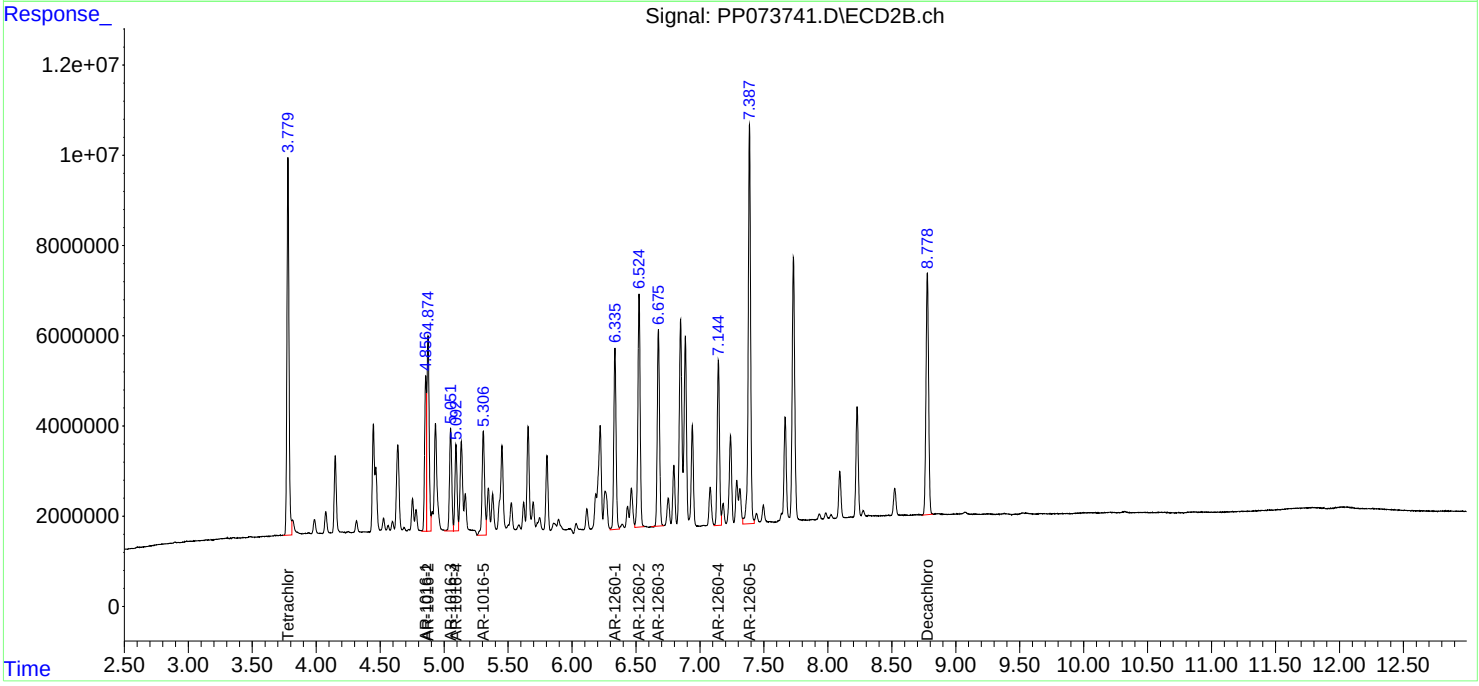
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073741.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 21:38
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

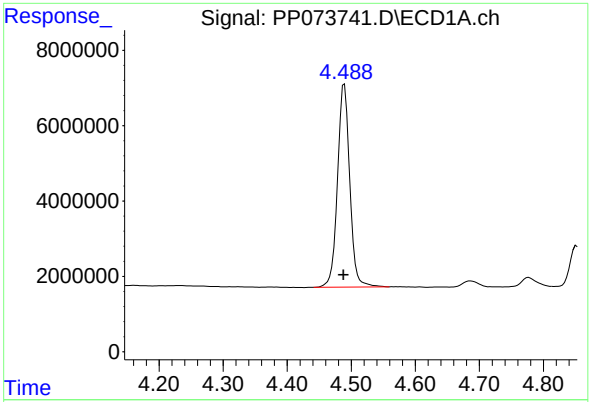
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:56:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



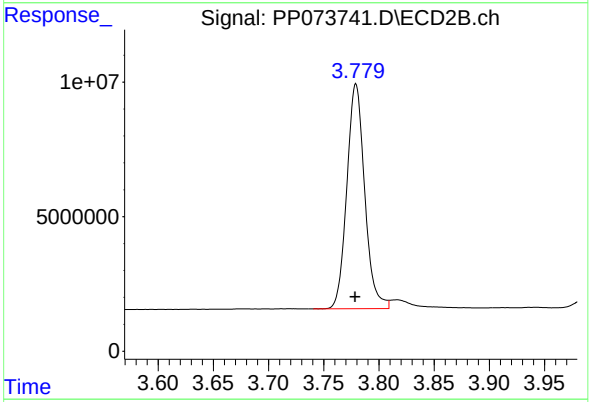




#1 Tetrachloro-m-xylene

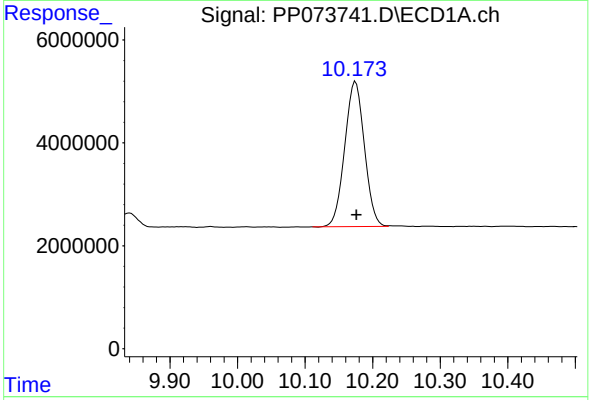
R.T.: 4.489 min
Delta R.T.: 0.001 min
Response: 71540036
Conc: 52.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



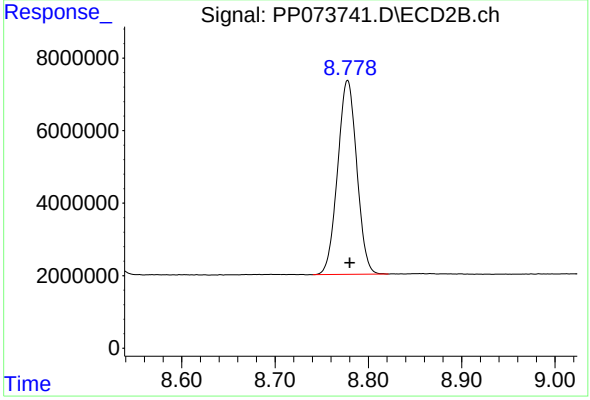
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 94132667
Conc: 51.10 ng/ml



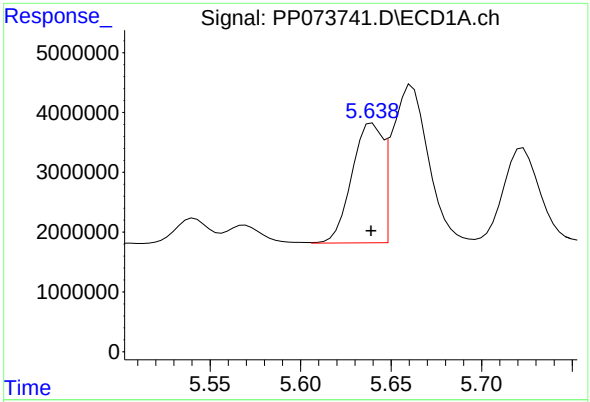
#2 Decachlorobiphenyl

R.T.: 10.175 min
Delta R.T.: -0.001 min
Response: 56893346
Conc: 52.15 ng/ml



#2 Decachlorobiphenyl

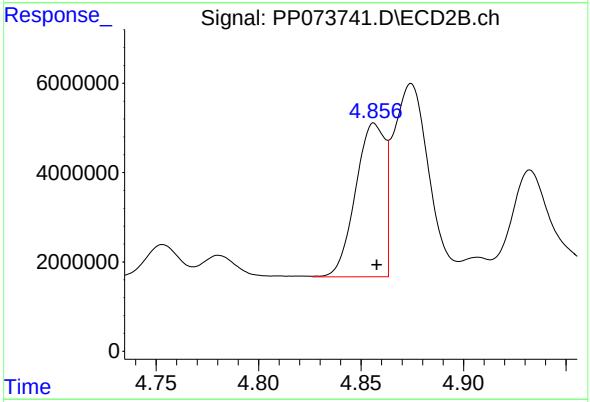
R.T.: 8.778 min
Delta R.T.: -0.002 min
Response: 76308620
Conc: 57.67 ng/ml



#3 AR-1016-1

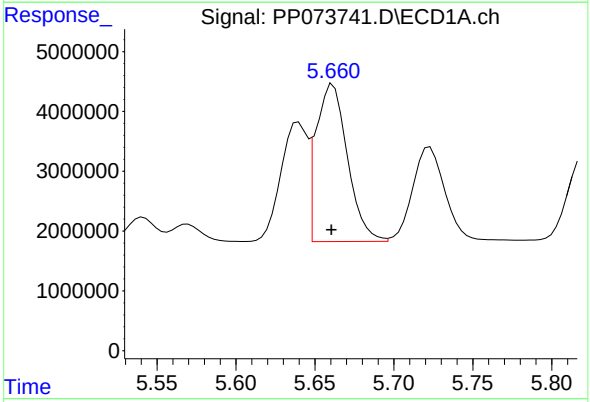
R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 23582870
Conc: 496.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



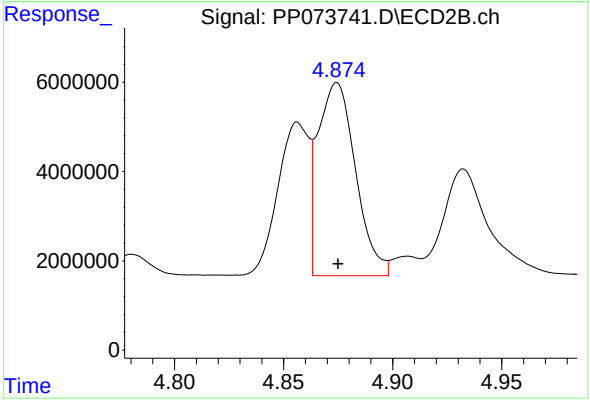
#3 AR-1016-1

R.T.: 4.856 min
Delta R.T.: -0.001 min
Response: 34222397
Conc: 501.98 ng/ml



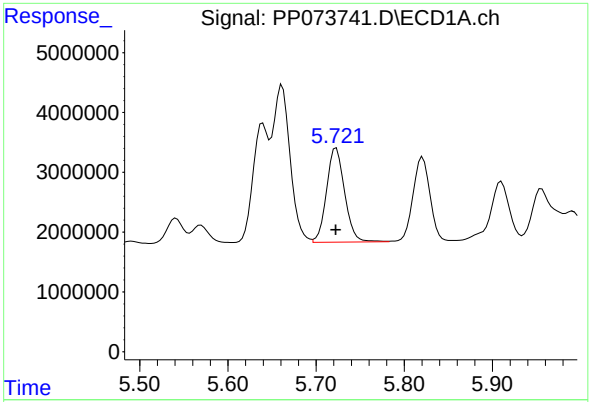
#4 AR-1016-2

R.T.: 5.661 min
Delta R.T.: 0.001 min
Response: 36535668
Conc: 513.03 ng/ml



#4 AR-1016-2

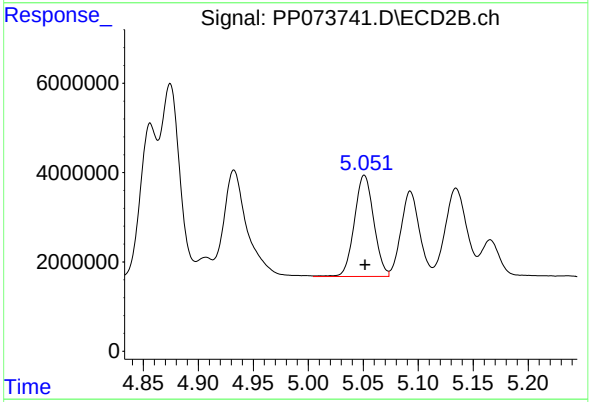
R.T.: 4.874 min
Delta R.T.: 0.000 min
Response: 51882114
Conc: 509.23 ng/ml



#5 AR-1016-3

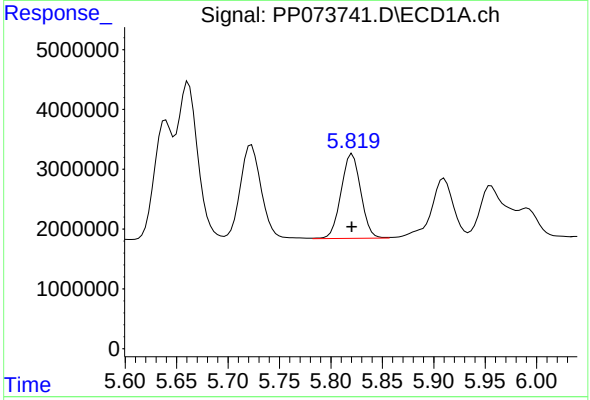
R.T.: 5.723 min
Delta R.T.: 0.000 min
Response: 22522667
Conc: 515.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



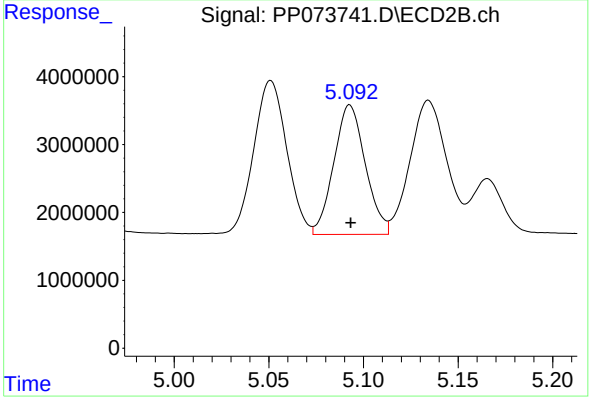
#5 AR-1016-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 27807405
Conc: 513.94 ng/ml



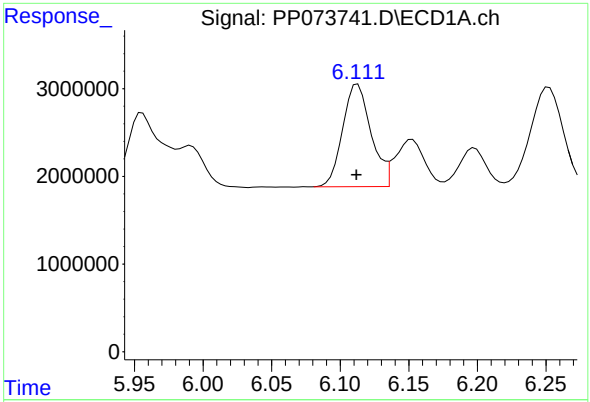
#6 AR-1016-4

R.T.: 5.821 min
Delta R.T.: 0.000 min
Response: 18851749
Conc: 524.45 ng/ml



#6 AR-1016-4

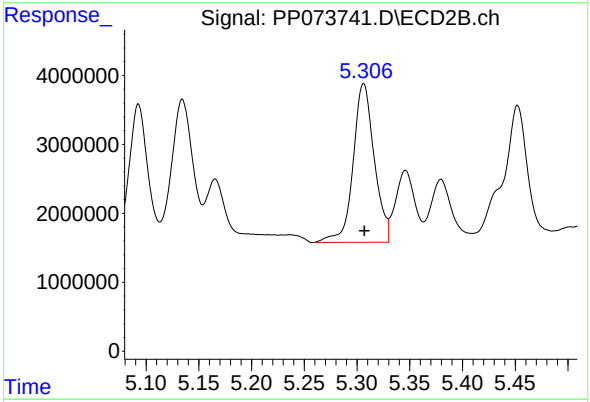
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 22167236
Conc: 505.17 ng/ml



#7 AR-1016-5

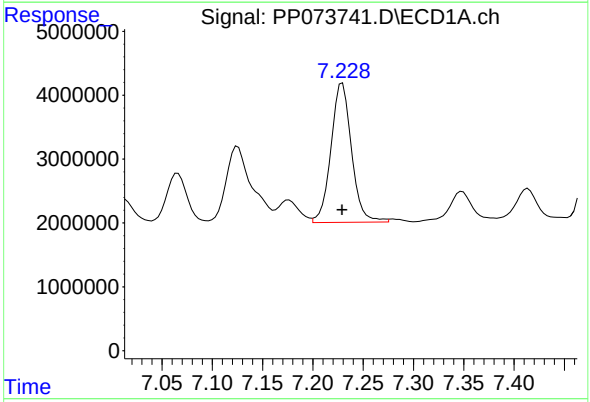
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 16884104
Conc: 538.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



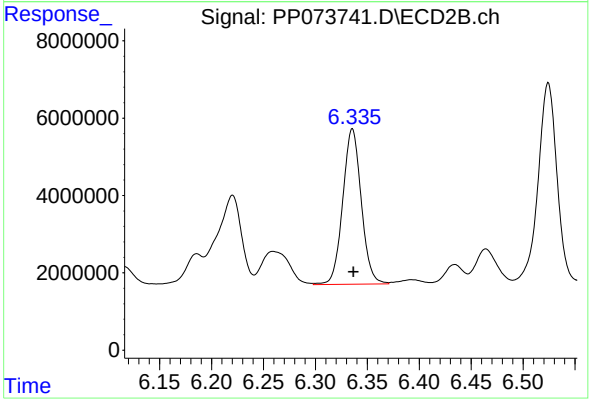
#7 AR-1016-5

R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 32115416
Conc: 588.38 ng/ml



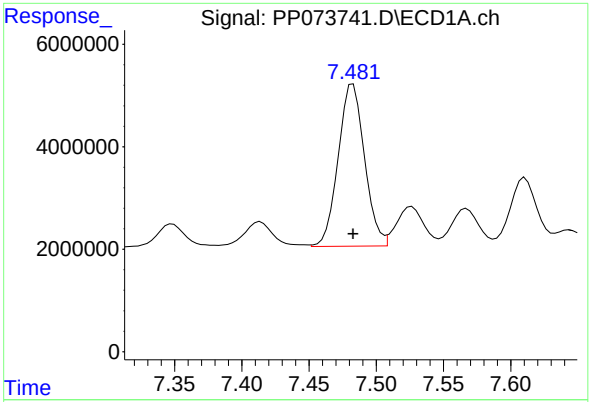
#31 AR-1260-1

R.T.: 7.229 min
Delta R.T.: 0.000 min
Response: 30982187
Conc: 525.47 ng/ml



#31 AR-1260-1

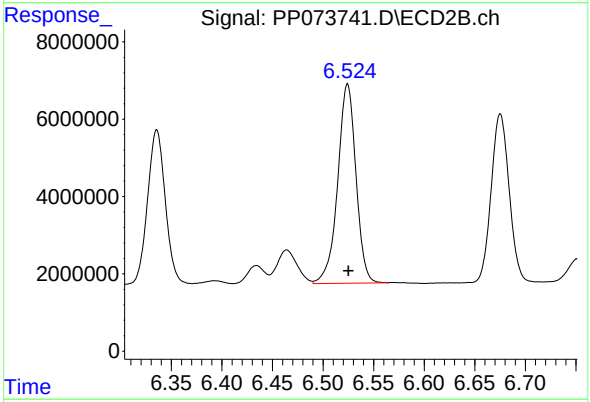
R.T.: 6.336 min
Delta R.T.: -0.001 min
Response: 49800124
Conc: 510.45 ng/ml



#32 AR-1260-2

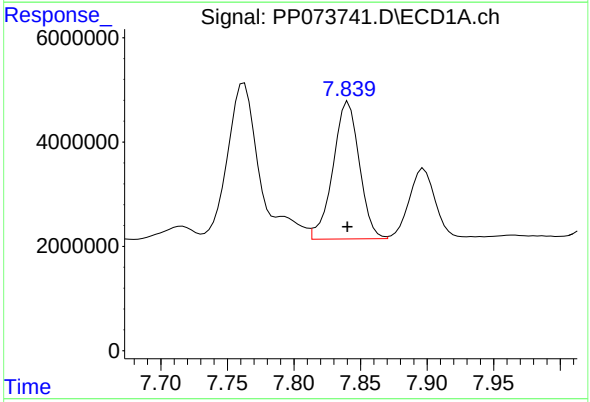
R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 43045814
Conc: 449.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



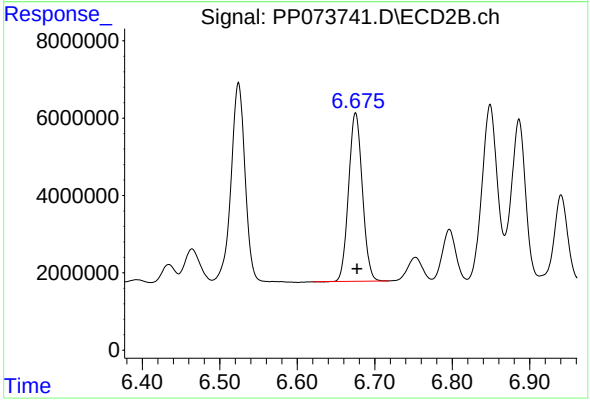
#32 AR-1260-2

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 64679424
Conc: 526.54 ng/ml



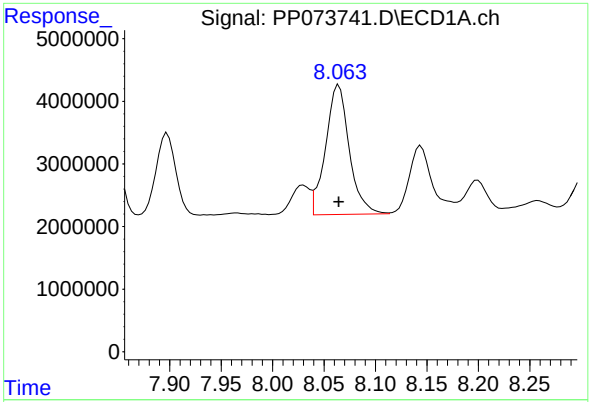
#33 AR-1260-3

R.T.: 7.841 min
Delta R.T.: 0.000 min
Response: 36294834
Conc: 496.71 ng/ml



#33 AR-1260-3

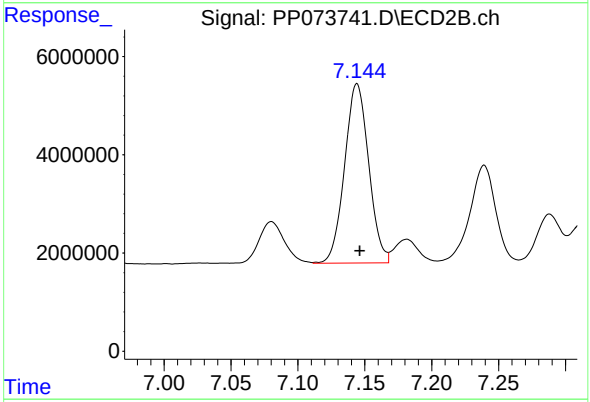
R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 53757928
Conc: 491.10 ng/ml



#34 AR-1260-4

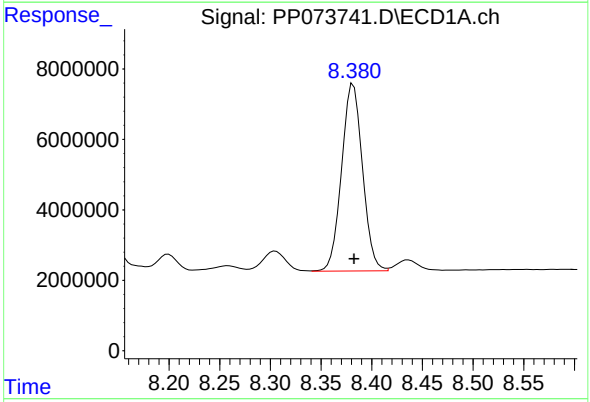
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 33174049
Conc: 508.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



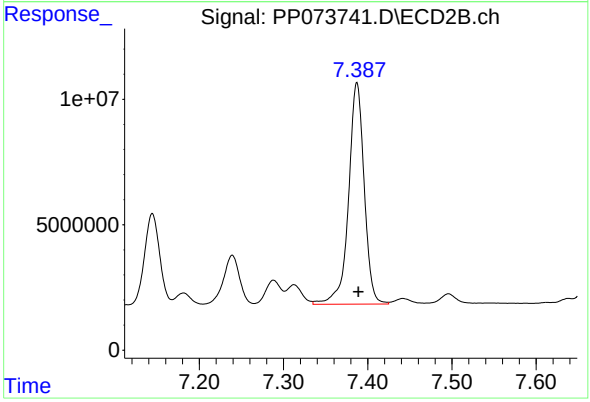
#34 AR-1260-4

R.T.: 7.144 min
Delta R.T.: -0.002 min
Response: 45838110
Conc: 512.68 ng/ml



#35 AR-1260-5

R.T.: 8.382 min
Delta R.T.: 0.000 min
Response: 76285870
Conc: 505.70 ng/ml



#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: -0.002 min
Response: 114136670
Conc: 507.87 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/12/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 01:43 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.63	5.64	5.54	5.74	0.01
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.48	4.49	4.39	4.59	0.01
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/12/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 01:43 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073748.D **Time Analyzed:** 01:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.634	5.539	5.739	508.270	500.000	1.7
Aroclor-1016-2	5.656	5.560	5.760	520.810	500.000	4.2
Aroclor-1016-3	5.718	5.622	5.822	527.420	500.000	5.5
Aroclor-1016-4	5.815	5.720	5.920	537.060	500.000	7.4
Aroclor-1016-5	6.107	6.012	6.212	537.930	500.000	7.6
Aroclor-1260-1	7.224	7.129	7.329	552.860	500.000	10.6
Aroclor-1260-2	7.477	7.383	7.583	460.680	500.000	-7.9
Aroclor-1260-3	7.835	7.740	7.940	514.540	500.000	2.9
Aroclor-1260-4	8.058	7.964	8.164	527.960	500.000	5.6
Aroclor-1260-5	8.376	8.283	8.483	519.500	500.000	3.9
Decachlorobiphenyl	10.169	10.076	10.276	53.590	50.000	7.2
Tetrachloro-m-xylene	4.484	4.388	4.588	53.170	50.000	6.3

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073748.D **Time Analyzed:** 01:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.857	4.758	4.958	515.850	500.000	3.2
Aroclor-1016-2	4.874	4.775	4.975	522.960	500.000	4.6
Aroclor-1016-3	5.050	4.951	5.151	521.790	500.000	4.4
Aroclor-1016-4	5.092	4.993	5.193	515.110	500.000	3.0
Aroclor-1016-5	5.305	5.207	5.407	544.070	500.000	8.8
Aroclor-1260-1	6.335	6.237	6.437	532.730	500.000	6.5
Aroclor-1260-2	6.523	6.425	6.625	554.660	500.000	10.9
Aroclor-1260-3	6.675	6.577	6.777	509.860	500.000	2.0
Aroclor-1260-4	7.144	7.046	7.246	529.100	500.000	5.8
Aroclor-1260-5	7.387	7.289	7.489	523.750	500.000	4.8
Decachlorobiphenyl	8.776	8.680	8.880	58.080	50.000	16.2
Tetrachloro-m-xylene	3.779	3.678	3.878	52.420	50.000	4.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 01:43
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 02:17:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.484	3.779	72815898	96573143	53.169	52.420
2)	SA Decachlor...	10.169	8.776	58465165	76855088	53.586	58.085
	Target Compounds						
3)	L1 AR-1016-1	5.634	4.857	24149729	35168100	508.270	515.852
4)	L1 AR-1016-2	5.656	4.874	37089071	53281021	520.805	522.956
5)	L1 AR-1016-3	5.718	5.050	23028685	28232292	527.418	521.793
6)	L1 AR-1016-4	5.815	5.092	19304936	22603498	537.060	515.111
7)	L1 AR-1016-5	6.107	5.305	16853675	29696871	537.933	544.073m
31)	L7 AR-1260-1	7.224	6.335	32597119	51972898	552.857	532.726
32)	L7 AR-1260-2	7.477	6.523	44151707	68133037	460.682	554.660
33)	L7 AR-1260-3	7.835	6.675	37597734	55810927	514.540	509.857
34)	L7 AR-1260-4	8.058	7.144	34475608	47305706	527.958	529.097
35)	L7 AR-1260-5	8.376	7.387	78367978	117.7E6	519.500	523.753

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 01:43
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

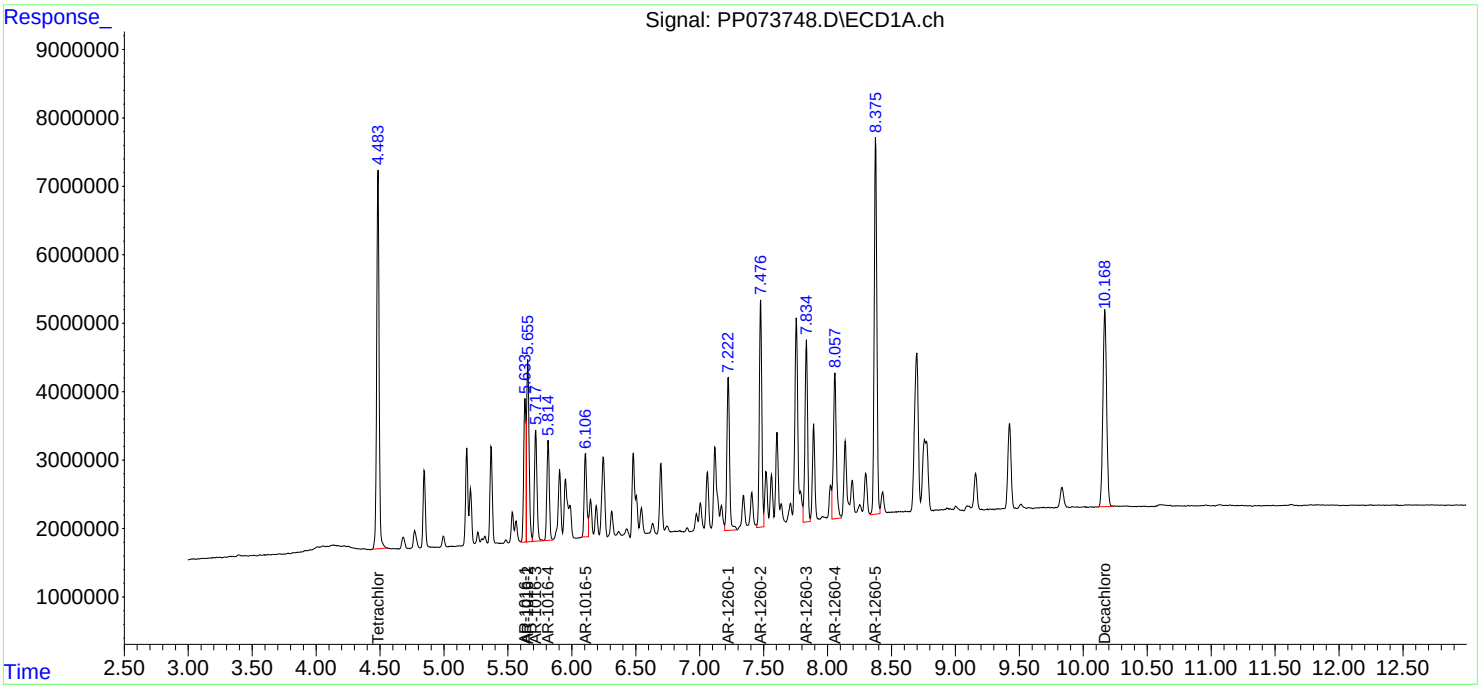
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

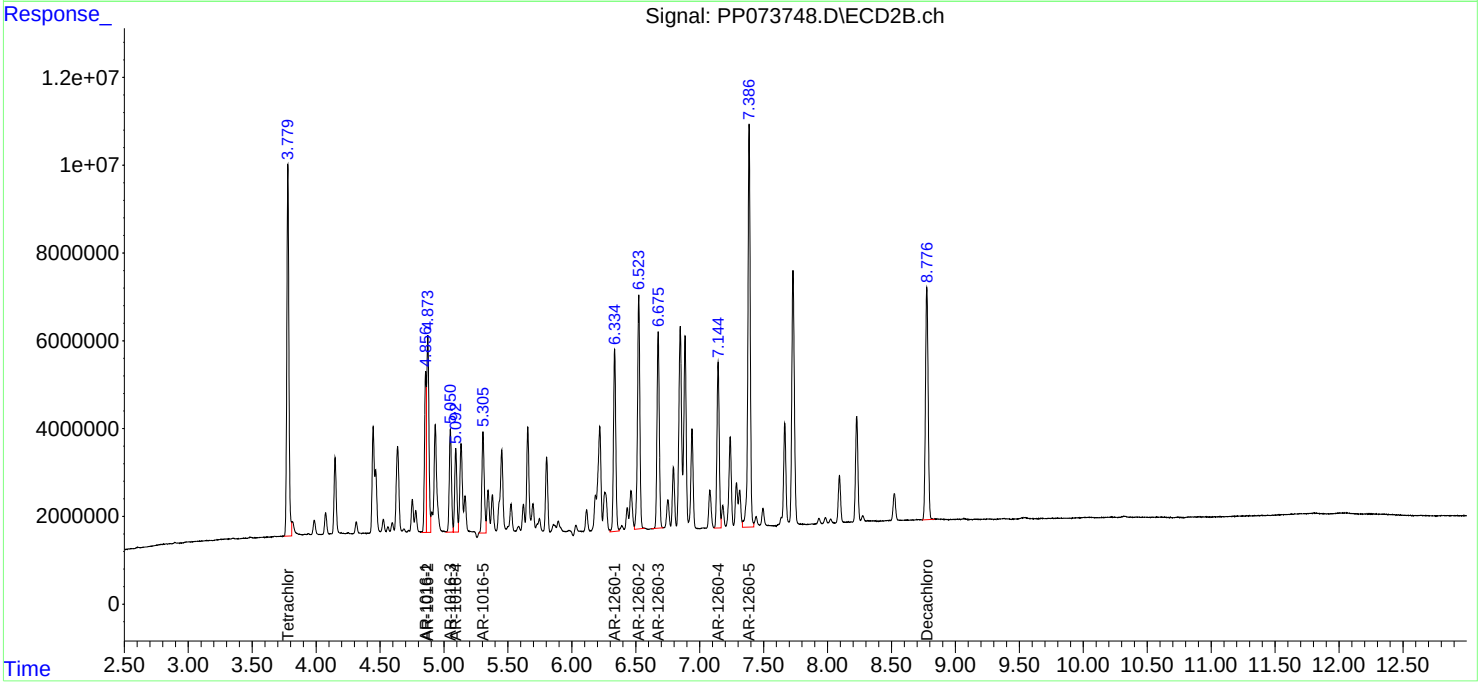
Manual Integrations APPROVED

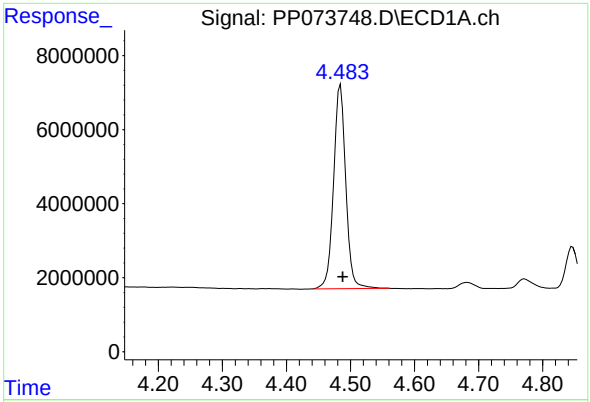
Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 02:17:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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







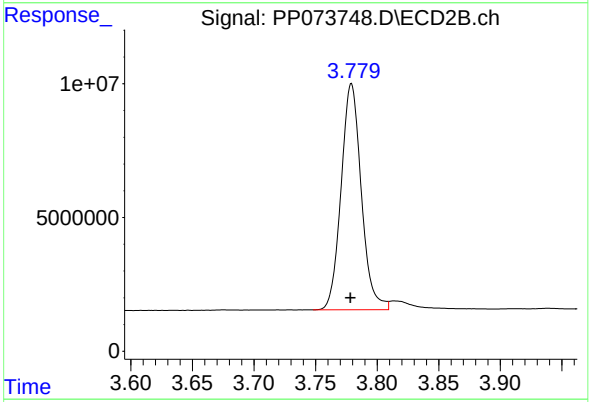
#1 Tetrachloro-m-xylene

R.T.: 4.484 min
Delta R.T.: -0.004 min
Response: 72815898
Conc: 53.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

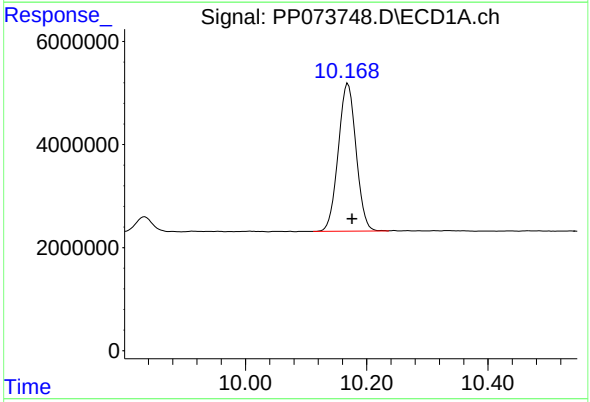
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



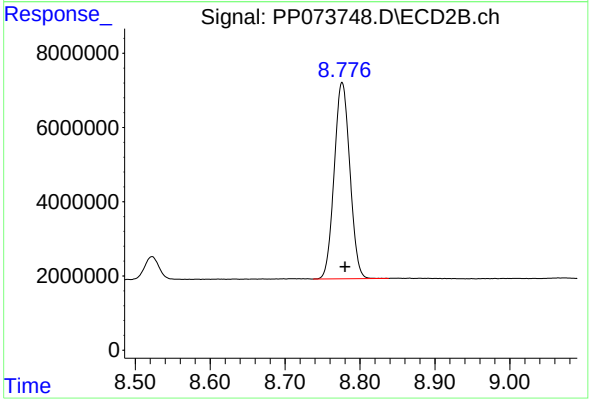
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 96573143
Conc: 52.42 ng/ml



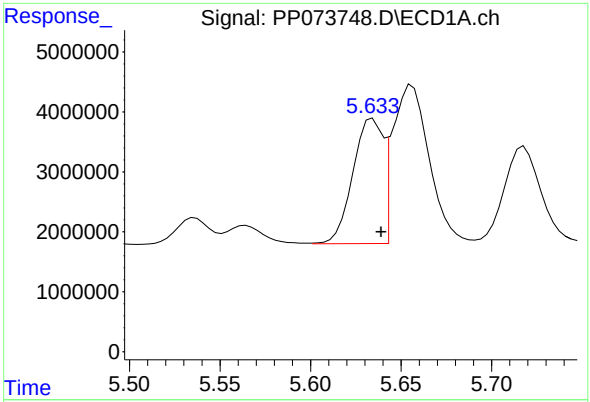
#2 Decachlorobiphenyl

R.T.: 10.169 min
Delta R.T.: -0.007 min
Response: 58465165
Conc: 53.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.004 min
Response: 76855088
Conc: 58.08 ng/ml



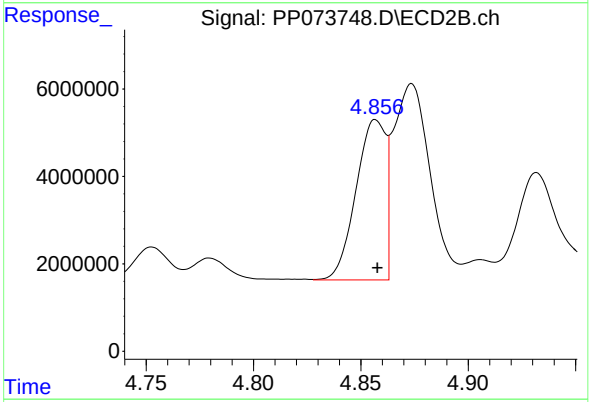
#3 AR-1016-1

R.T.: 5.634 min
Delta R.T.: -0.005 min
Response: 24149729
Conc: 508.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

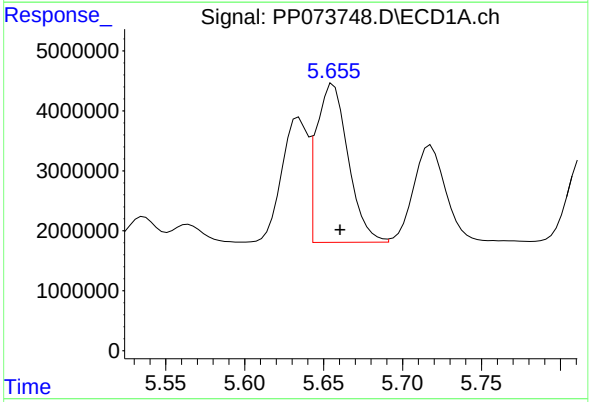
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



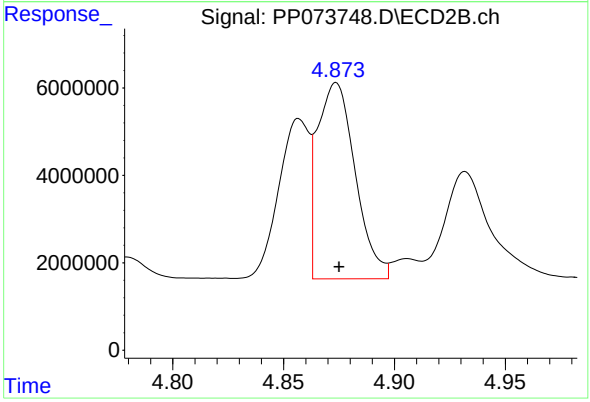
#3 AR-1016-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 35168100
Conc: 515.85 ng/ml



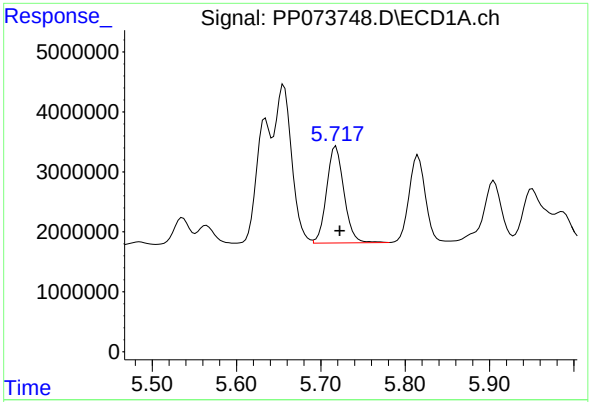
#4 AR-1016-2

R.T.: 5.656 min
Delta R.T.: -0.004 min
Response: 37089071
Conc: 520.81 ng/ml



#4 AR-1016-2

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 53281021
Conc: 522.96 ng/ml



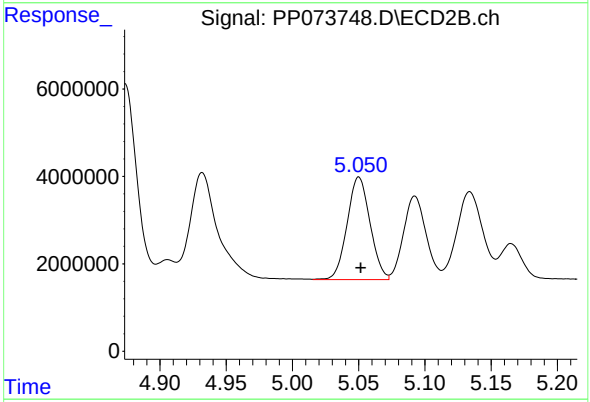
#5 AR-1016-3

R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 23028685
Conc: 527.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

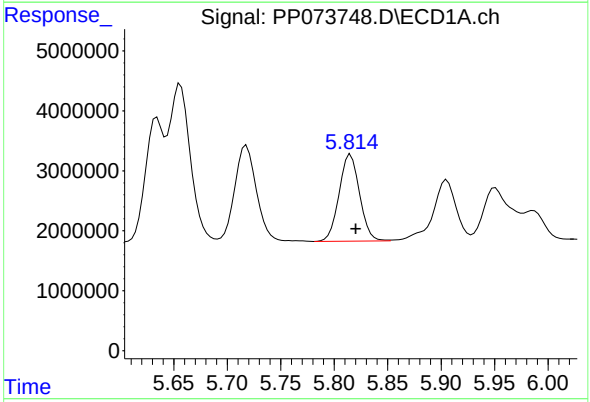
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



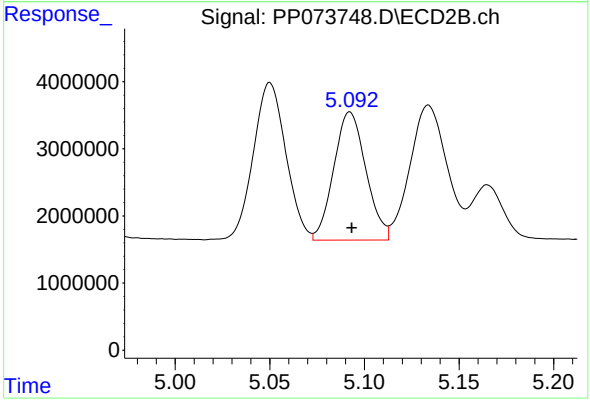
#5 AR-1016-3

R.T.: 5.050 min
Delta R.T.: -0.001 min
Response: 28232292
Conc: 521.79 ng/ml



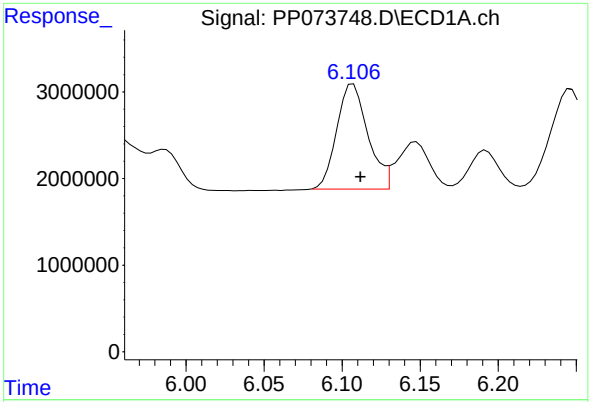
#6 AR-1016-4

R.T.: 5.815 min
Delta R.T.: -0.005 min
Response: 19304936
Conc: 537.06 ng/ml



#6 AR-1016-4

R.T.: 5.092 min
Delta R.T.: 0.000 min
Response: 22603498
Conc: 515.11 ng/ml



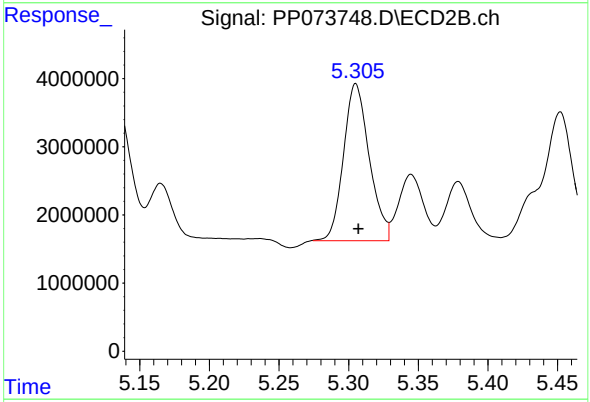
#7 AR-1016-5

R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 16853675
Conc: 537.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

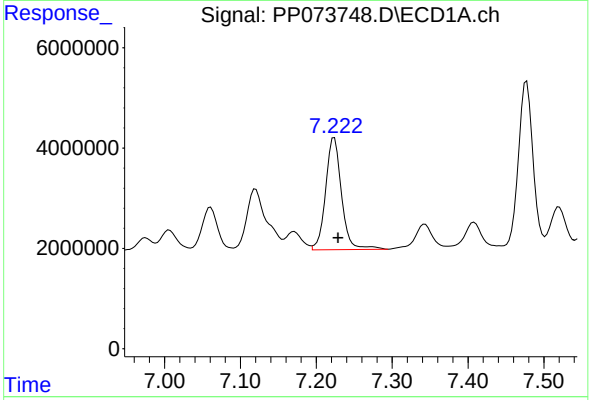
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



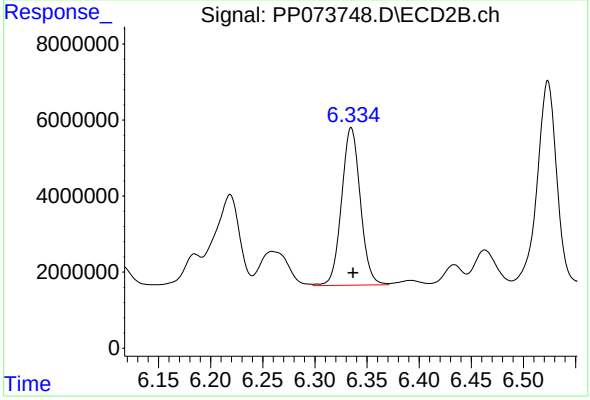
#7 AR-1016-5

R.T.: 5.305 min
Delta R.T.: -0.002 min
Response: 29696871
Conc: 544.07 ng/ml m



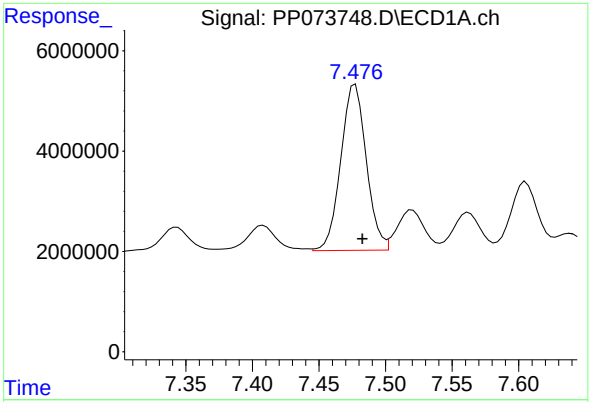
#31 AR-1260-1

R.T.: 7.224 min
Delta R.T.: -0.005 min
Response: 32597119
Conc: 552.86 ng/ml



#31 AR-1260-1

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 51972898
Conc: 532.73 ng/ml



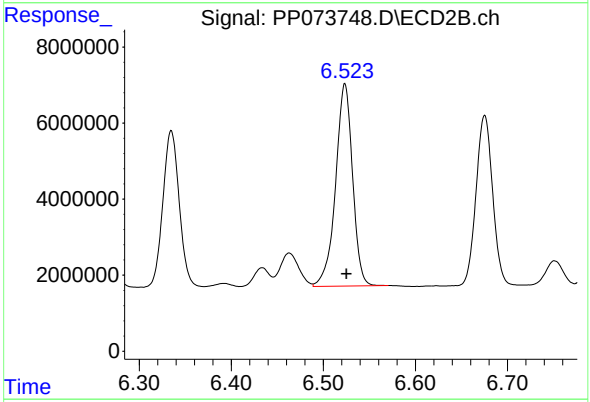
#32 AR-1260-2

R.T.: 7.477 min
Delta R.T.: -0.005 min
Response: 44151707
Conc: 460.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

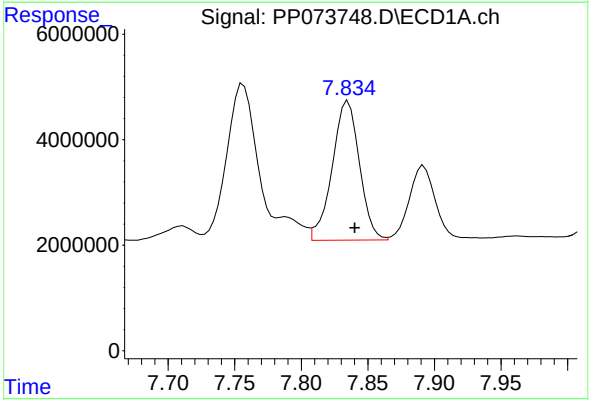
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



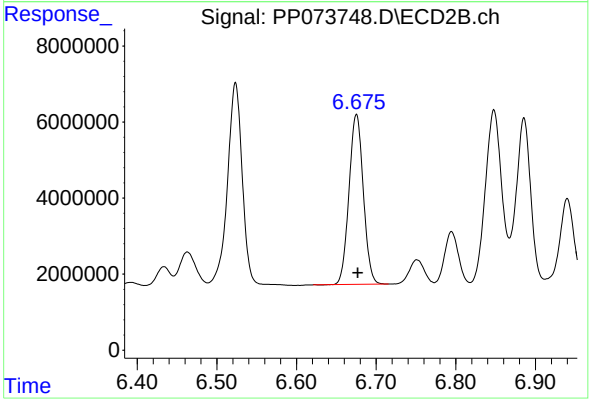
#32 AR-1260-2

R.T.: 6.523 min
Delta R.T.: -0.002 min
Response: 68133037
Conc: 554.66 ng/ml



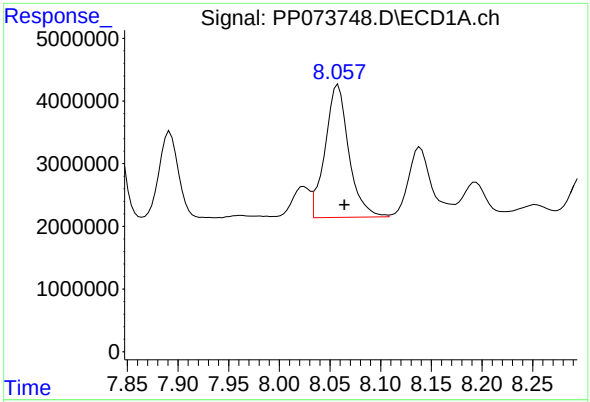
#33 AR-1260-3

R.T.: 7.835 min
Delta R.T.: -0.005 min
Response: 37597734
Conc: 514.54 ng/ml



#33 AR-1260-3

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 55810927
Conc: 509.86 ng/ml



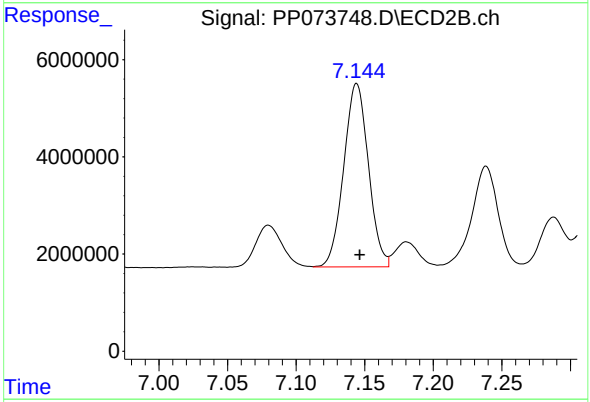
#34 AR-1260-4

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 34475608
Conc: 527.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

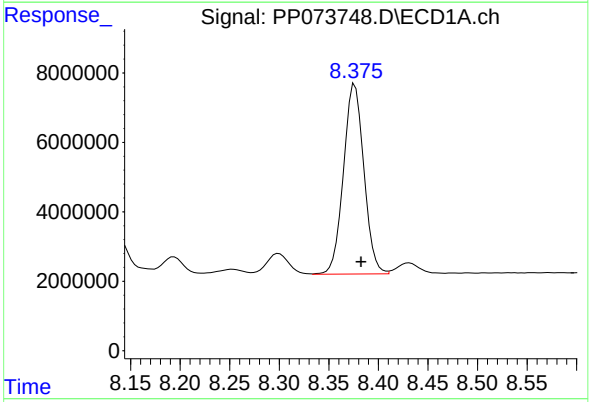
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



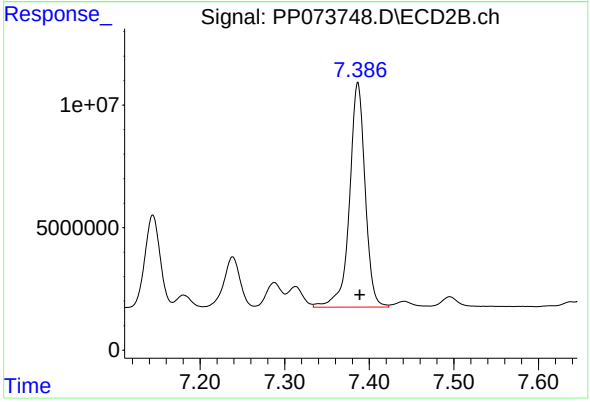
#34 AR-1260-4

R.T.: 7.144 min
Delta R.T.: -0.002 min
Response: 47305706
Conc: 529.10 ng/ml



#35 AR-1260-5

R.T.: 8.376 min
Delta R.T.: -0.006 min
Response: 78367978
Conc: 519.50 ng/ml



#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: -0.002 min
Response: 117706440
Conc: 523.75 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 09:32 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 09:32 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073754.D **Time Analyzed:** 09:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.636	5.539	5.739	545.940	500.000	9.2
Aroclor-1016-2	5.657	5.560	5.760	564.210	500.000	12.8
Aroclor-1016-3	5.719	5.622	5.822	557.610	500.000	11.5
Aroclor-1016-4	5.816	5.720	5.920	572.720	500.000	14.5
Aroclor-1016-5	6.108	6.012	6.212	588.820	500.000	17.8
Aroclor-1260-1	7.226	7.129	7.329	546.190	500.000	9.2
Aroclor-1260-2	7.479	7.383	7.583	494.960	500.000	-1.0
Aroclor-1260-3	7.837	7.740	7.940	554.810	500.000	11.0
Aroclor-1260-4	8.060	7.964	8.164	568.090	500.000	13.6
Aroclor-1260-5	8.378	8.283	8.483	570.270	500.000	14.1
Decachlorobiphenyl	10.169	10.076	10.276	58.580	50.000	17.2
Tetrachloro-m-xylene	4.485	4.388	4.588	59.660	50.000	19.3

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073754.D **Time Analyzed:** 09:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.854	4.758	4.958	470.210	500.000	-6.0
Aroclor-1016-2	4.871	4.775	4.975	462.780	500.000	-7.4
Aroclor-1016-3	5.047	4.951	5.151	473.250	500.000	-5.4
Aroclor-1016-4	5.089	4.993	5.193	473.560	500.000	-5.3
Aroclor-1016-5	5.302	5.207	5.407	488.830	500.000	-2.2
Aroclor-1260-1	6.332	6.237	6.437	478.860	500.000	-4.2
Aroclor-1260-2	6.521	6.425	6.625	473.190	500.000	-5.4
Aroclor-1260-3	6.672	6.577	6.777	469.920	500.000	-6.0
Aroclor-1260-4	7.142	7.046	7.246	487.210	500.000	-2.6
Aroclor-1260-5	7.383	7.289	7.489	477.720	500.000	-4.5
Decachlorobiphenyl	8.774	8.680	8.880	52.100	50.000	4.2
Tetrachloro-m-xylene	3.776	3.678	3.878	47.790	50.000	-4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071425\
Data File : PP073754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 09:32
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: Jul 14 10:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.776	81706799	88038521	59.661	47.787
2)	SA Decachlor...	10.169	8.774	63917696	68936881	58.584	52.101
	Target Compounds						
3)	L1 AR-1016-1	5.636	4.854	25939529	32056435	545.939	470.210
4)	L1 AR-1016-2	5.657	4.871	40180279	47150268	564.212	462.782
5)	L1 AR-1016-3	5.719	5.047	24346835	25605674	557.607	473.247
6)	L1 AR-1016-4	5.816	5.089	20586812	20780317	572.722	473.562
7)	L1 AR-1016-5	6.108	5.302	18448088	26681691	588.824	488.832
31)	L7 AR-1260-1	7.226	6.332	32204140	46717548	546.192	478.858
32)	L7 AR-1260-2	7.479	6.521	47437034	58125727	494.961	473.192
33)	L7 AR-1260-3	7.837	6.672	40540664	51439093	554.815	469.919
34)	L7 AR-1260-4	8.060	7.142	37095916	43560928	568.086	487.213
35)	L7 AR-1260-5	8.378	7.383	86026848	107.4E6	570.270	477.718

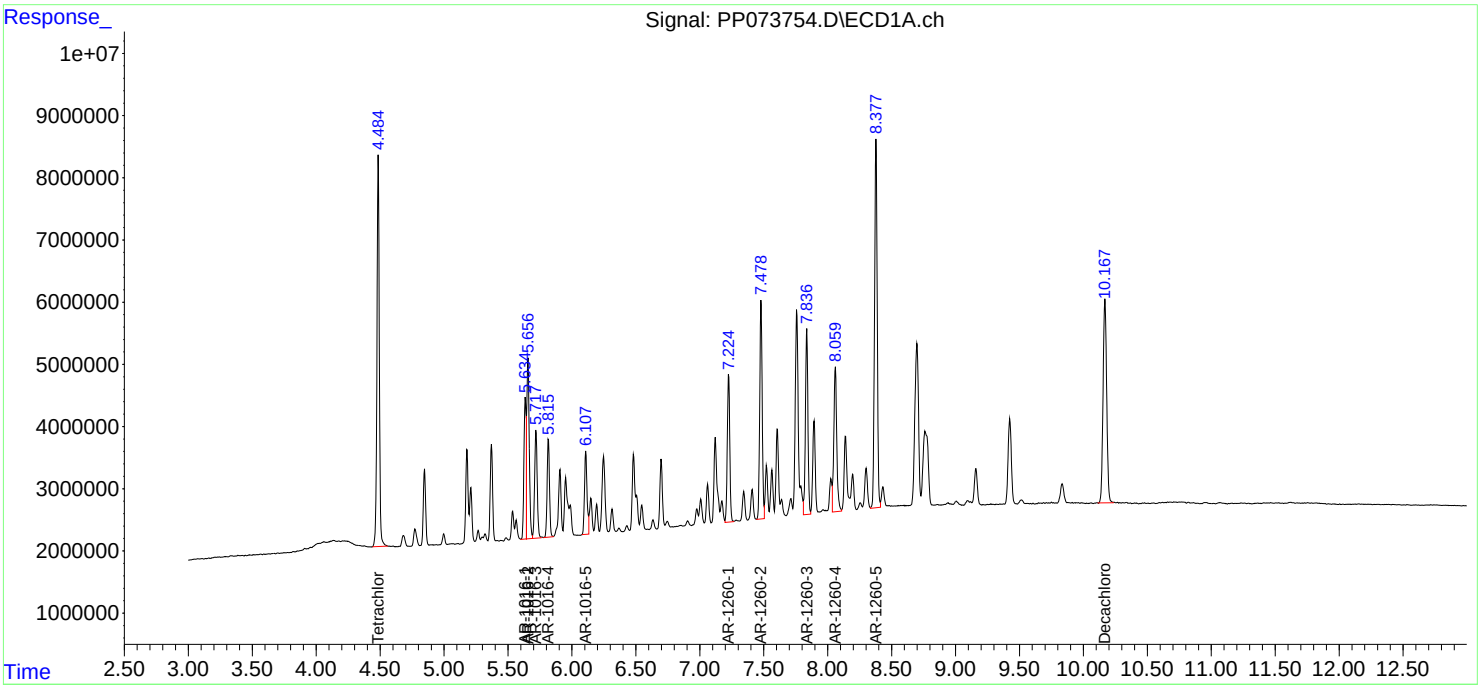
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

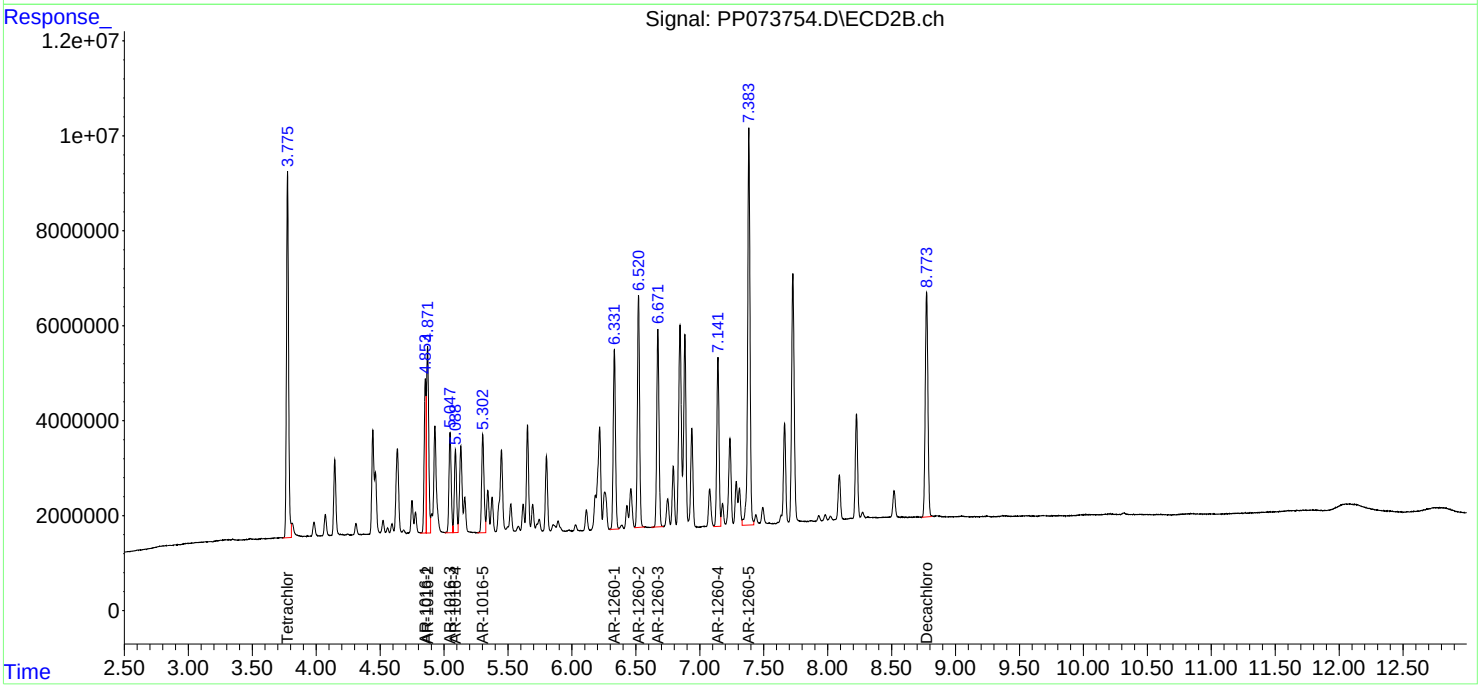
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071425\
Data File : PP073754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 09:32
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

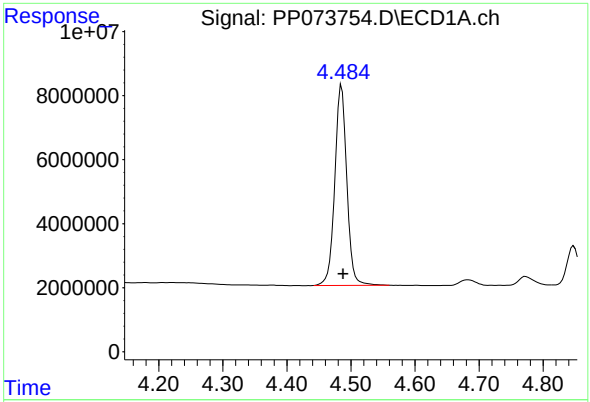
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 10:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



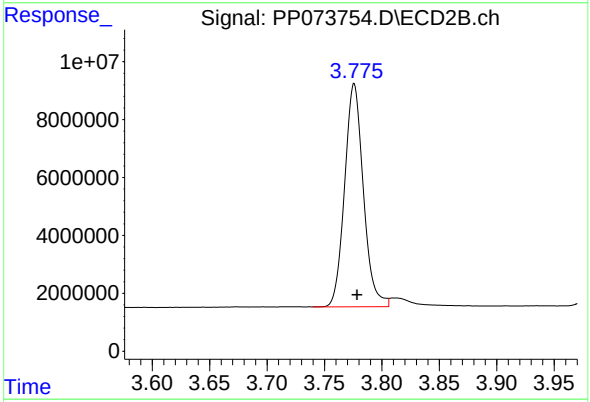




#1 Tetrachloro-m-xylene

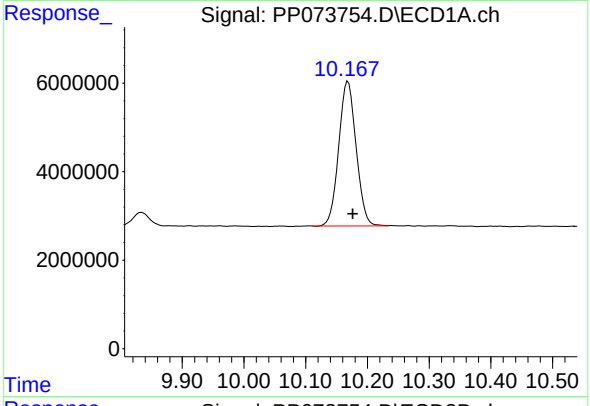
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 81706799
Conc: 59.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



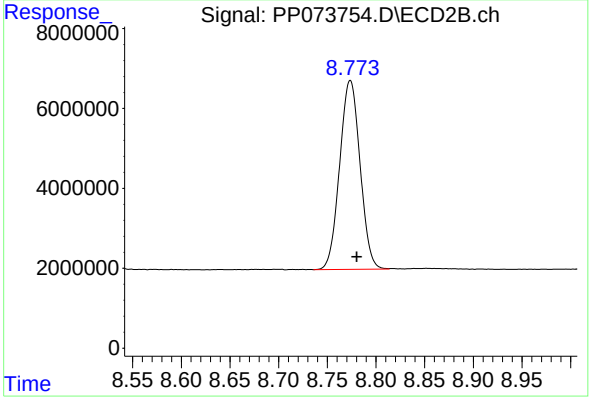
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: -0.003 min
Response: 88038521
Conc: 47.79 ng/ml



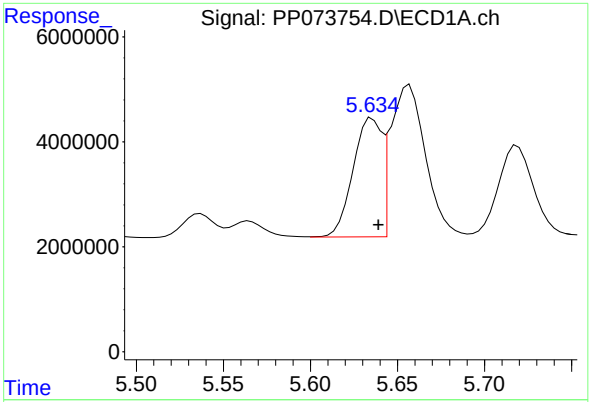
#2 Decachlorobiphenyl

R.T.: 10.169 min
Delta R.T.: -0.007 min
Response: 63917696
Conc: 58.58 ng/ml



#2 Decachlorobiphenyl

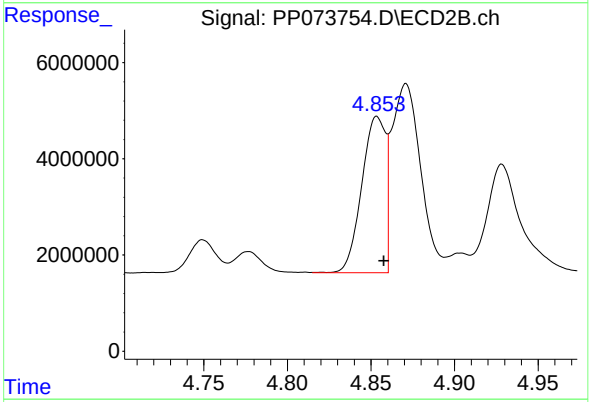
R.T.: 8.774 min
Delta R.T.: -0.007 min
Response: 68936881
Conc: 52.10 ng/ml



#3 AR-1016-1

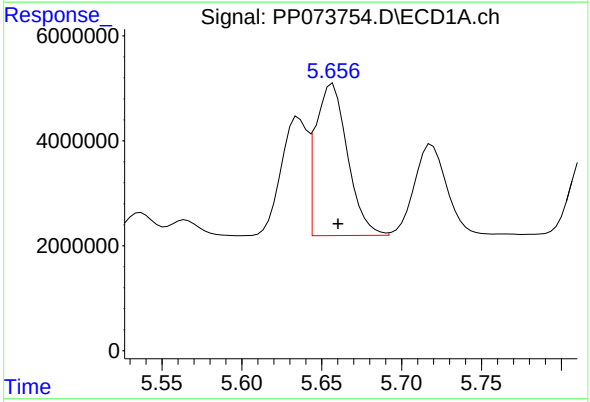
R.T.: 5.636 min
Delta R.T.: -0.003 min
Response: 25939529
Conc: 545.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



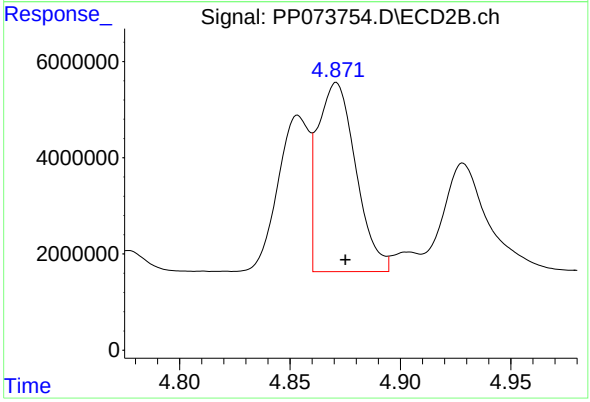
#3 AR-1016-1

R.T.: 4.854 min
Delta R.T.: -0.004 min
Response: 32056435
Conc: 470.21 ng/ml



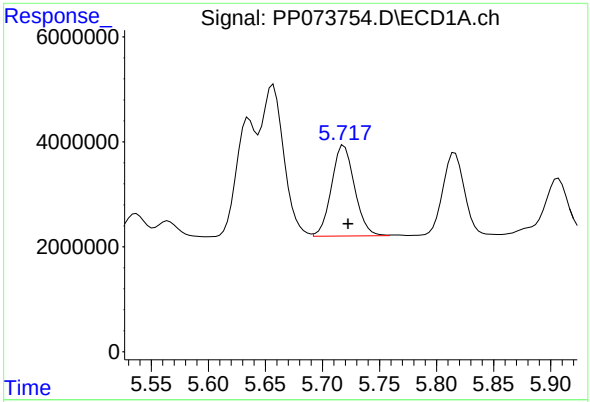
#4 AR-1016-2

R.T.: 5.657 min
Delta R.T.: -0.003 min
Response: 40180279
Conc: 564.21 ng/ml



#4 AR-1016-2

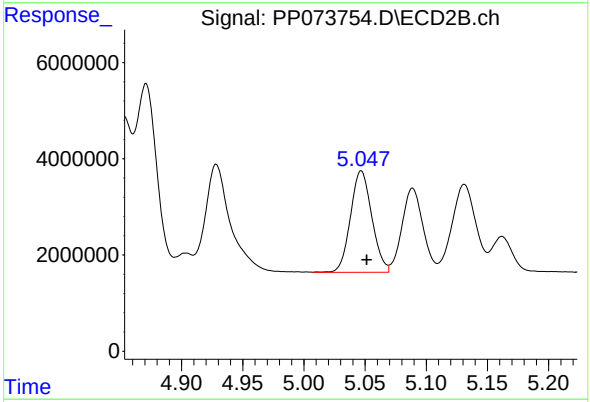
R.T.: 4.871 min
Delta R.T.: -0.004 min
Response: 47150268
Conc: 462.78 ng/ml



#5 AR-1016-3

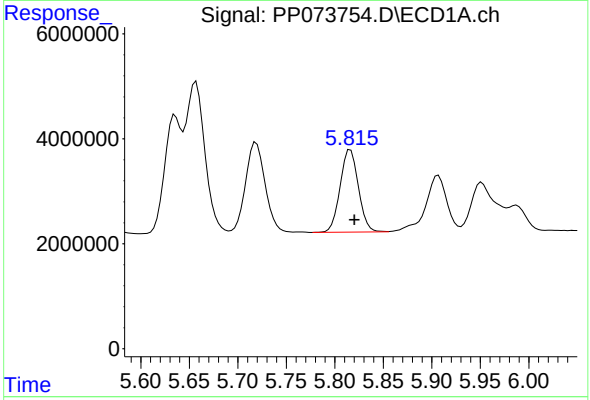
R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 24346835
Conc: 557.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



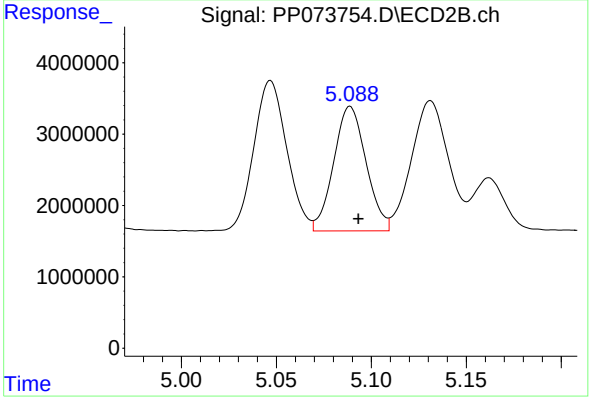
#5 AR-1016-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 25605674
Conc: 473.25 ng/ml



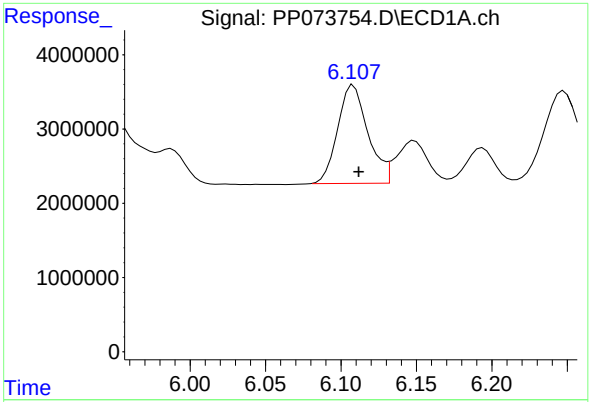
#6 AR-1016-4

R.T.: 5.816 min
Delta R.T.: -0.004 min
Response: 20586812
Conc: 572.72 ng/ml



#6 AR-1016-4

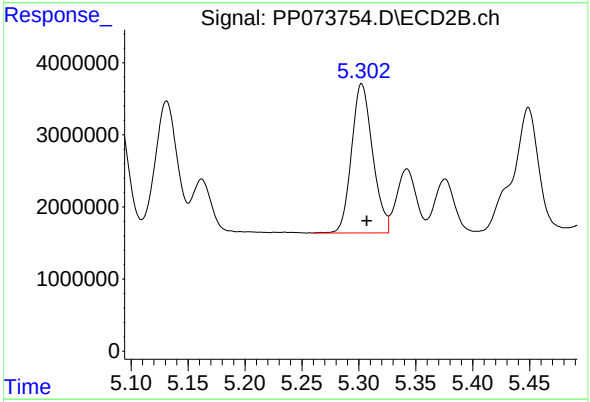
R.T.: 5.089 min
Delta R.T.: -0.004 min
Response: 20780317
Conc: 473.56 ng/ml



#7 AR-1016-5

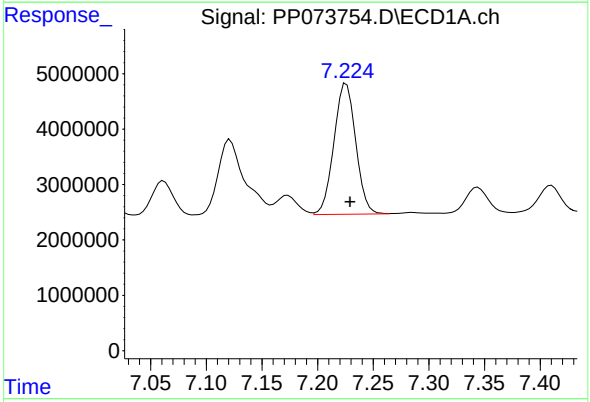
R.T.: 6.108 min
Delta R.T.: -0.003 min
Response: 18448088
Conc: 588.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



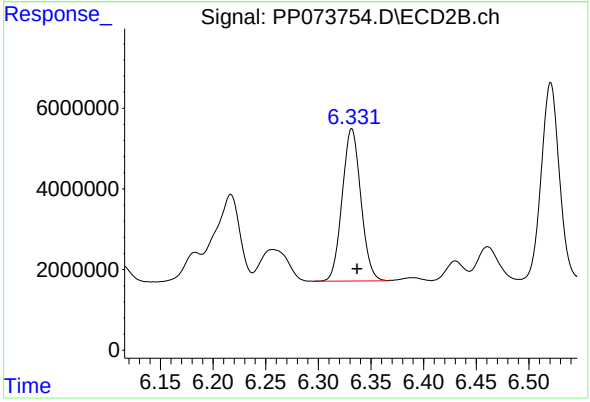
#7 AR-1016-5

R.T.: 5.302 min
Delta R.T.: -0.004 min
Response: 26681691
Conc: 488.83 ng/ml



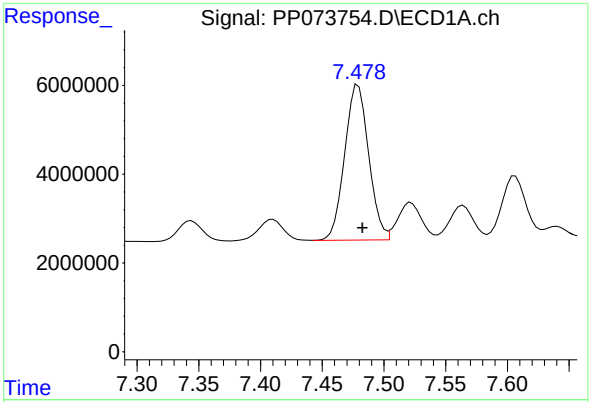
#31 AR-1260-1

R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 32204140
Conc: 546.19 ng/ml



#31 AR-1260-1

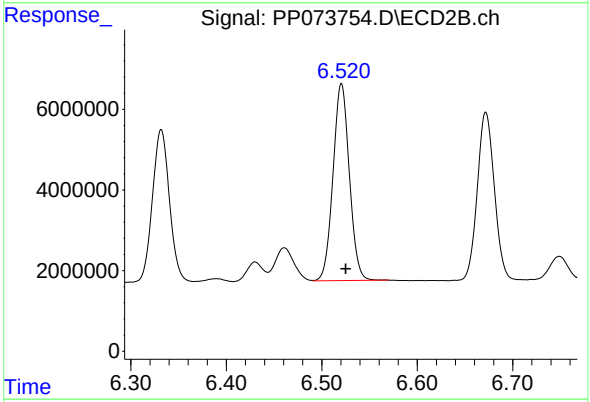
R.T.: 6.332 min
Delta R.T.: -0.005 min
Response: 46717548
Conc: 478.86 ng/ml



#32 AR-1260-2

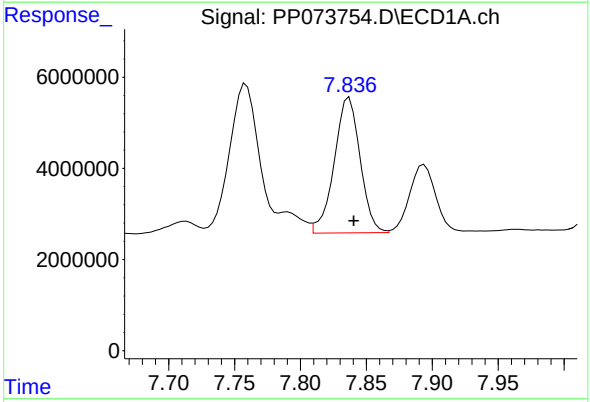
R.T.: 7.479 min
Delta R.T.: -0.004 min
Response: 47437034
Conc: 494.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



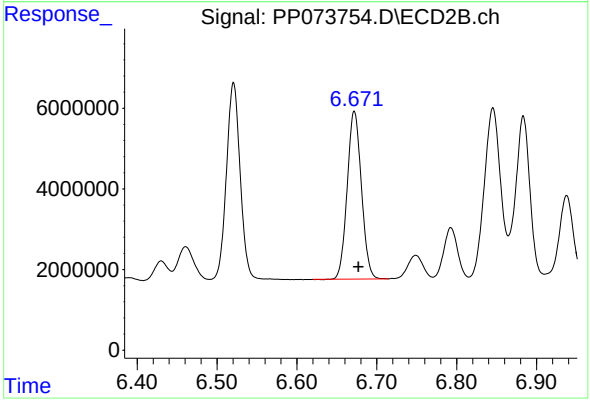
#32 AR-1260-2

R.T.: 6.521 min
Delta R.T.: -0.004 min
Response: 58125727
Conc: 473.19 ng/ml



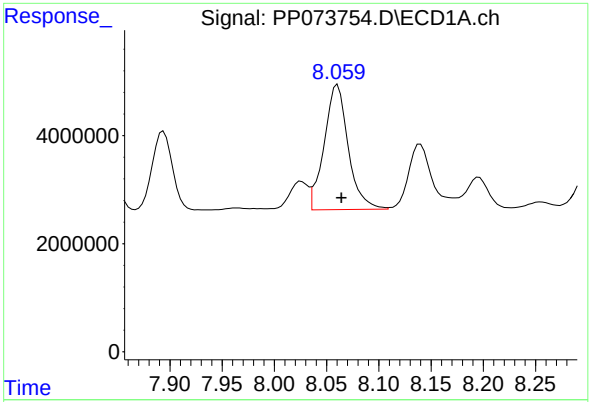
#33 AR-1260-3

R.T.: 7.837 min
Delta R.T.: -0.003 min
Response: 40540664
Conc: 554.81 ng/ml



#33 AR-1260-3

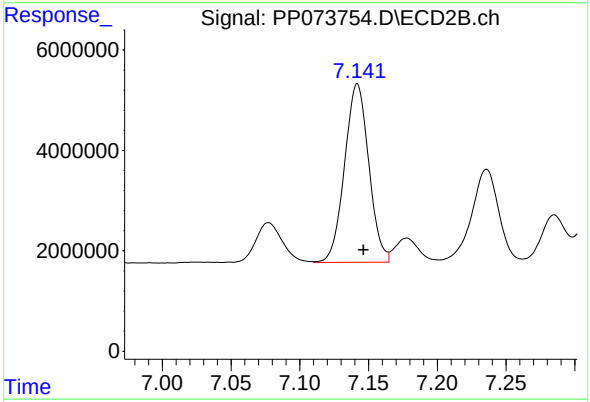
R.T.: 6.672 min
Delta R.T.: -0.005 min
Response: 51439093
Conc: 469.92 ng/ml



#34 AR-1260-4

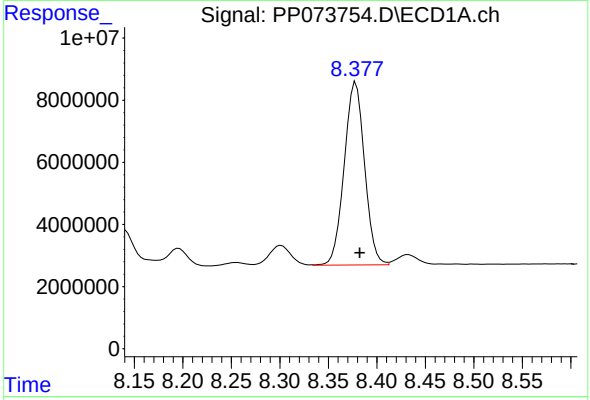
R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 37095916
Conc: 568.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



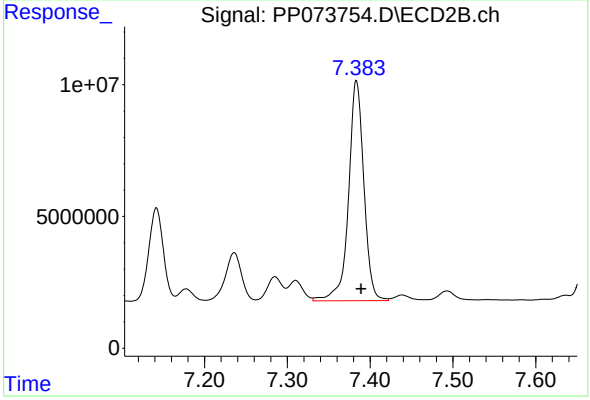
#34 AR-1260-4

R.T.: 7.142 min
Delta R.T.: -0.004 min
Response: 43560928
Conc: 487.21 ng/ml



#35 AR-1260-5

R.T.: 8.378 min
Delta R.T.: -0.004 min
Response: 86026848
Conc: 570.27 ng/ml



#35 AR-1260-5

R.T.: 7.383 min
Delta R.T.: -0.005 min
Response: 107360630
Conc: 477.72 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 14:19 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 14:19 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073768.D **Time Analyzed:** 14:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.638	5.539	5.739	444.570	500.000	-11.1
Aroclor-1016-2	5.659	5.560	5.760	465.050	500.000	-7.0
Aroclor-1016-3	5.721	5.622	5.822	465.930	500.000	-6.8
Aroclor-1016-4	5.818	5.720	5.920	478.780	500.000	-4.2
Aroclor-1016-5	6.110	6.012	6.212	488.440	500.000	-2.3
Aroclor-1260-1	7.227	7.129	7.329	460.120	500.000	-8.0
Aroclor-1260-2	7.480	7.383	7.583	405.330	500.000	-18.9
Aroclor-1260-3	7.838	7.740	7.940	446.530	500.000	-10.7
Aroclor-1260-4	8.062	7.964	8.164	456.350	500.000	-8.7
Aroclor-1260-5	8.379	8.283	8.483	463.970	500.000	-7.2
Decachlorobiphenyl	10.171	10.076	10.276	48.630	50.000	-2.7
Tetrachloro-m-xylene	4.487	4.388	4.588	49.030	50.000	-1.9

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073768.D **Time Analyzed:** 14:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.856	4.758	4.958	447.770	500.000	-10.4
Aroclor-1016-2	4.874	4.775	4.975	445.900	500.000	-10.8
Aroclor-1016-3	5.050	4.951	5.151	446.930	500.000	-10.6
Aroclor-1016-4	5.092	4.993	5.193	443.960	500.000	-11.2
Aroclor-1016-5	5.305	5.207	5.407	472.050	500.000	-5.6
Aroclor-1260-1	6.335	6.237	6.437	440.220	500.000	-12.0
Aroclor-1260-2	6.523	6.425	6.625	442.420	500.000	-11.5
Aroclor-1260-3	6.675	6.577	6.777	432.130	500.000	-13.6
Aroclor-1260-4	7.144	7.046	7.246	455.880	500.000	-8.8
Aroclor-1260-5	7.386	7.289	7.489	449.420	500.000	-10.1
Decachlorobiphenyl	8.777	8.680	8.880	49.350	50.000	-1.3
Tetrachloro-m-xylene	3.779	3.678	3.878	44.490	50.000	-11.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071425\
Data File : PP073768.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 14:19
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: Jul 15 02:17:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.487	3.779	67146468	81956356	49.029	44.486
2)	SA Decachlor...	10.171	8.777	53059572	65294463	48.632	49.348
	Target Compounds						
3)	L1 AR-1016-1	5.638	4.856	21123142	30526608	444.571	447.770
4)	L1 AR-1016-2	5.659	4.874	33118742	45429883	465.054	445.896
5)	L1 AR-1016-3	5.721	5.050	20344089	24181641	465.933	446.928
6)	L1 AR-1016-4	5.818	5.092	17209920	19481184	478.777	443.957
7)	L1 AR-1016-5	6.110	5.305	15302949	25765817	488.438	472.053
31)	L7 AR-1260-1	7.227	6.335	27129060	42947939	460.117	440.219
32)	L7 AR-1260-2	7.480	6.523	38846839	54346334	405.331	442.424
33)	L7 AR-1260-3	7.838	6.675	32628076	47302504	446.528	432.129
34)	L7 AR-1260-4	8.062	7.144	29799677	40759887	456.351	455.884
35)	L7 AR-1260-5	8.379	7.386	69991462	101.0E6	463.972	449.419

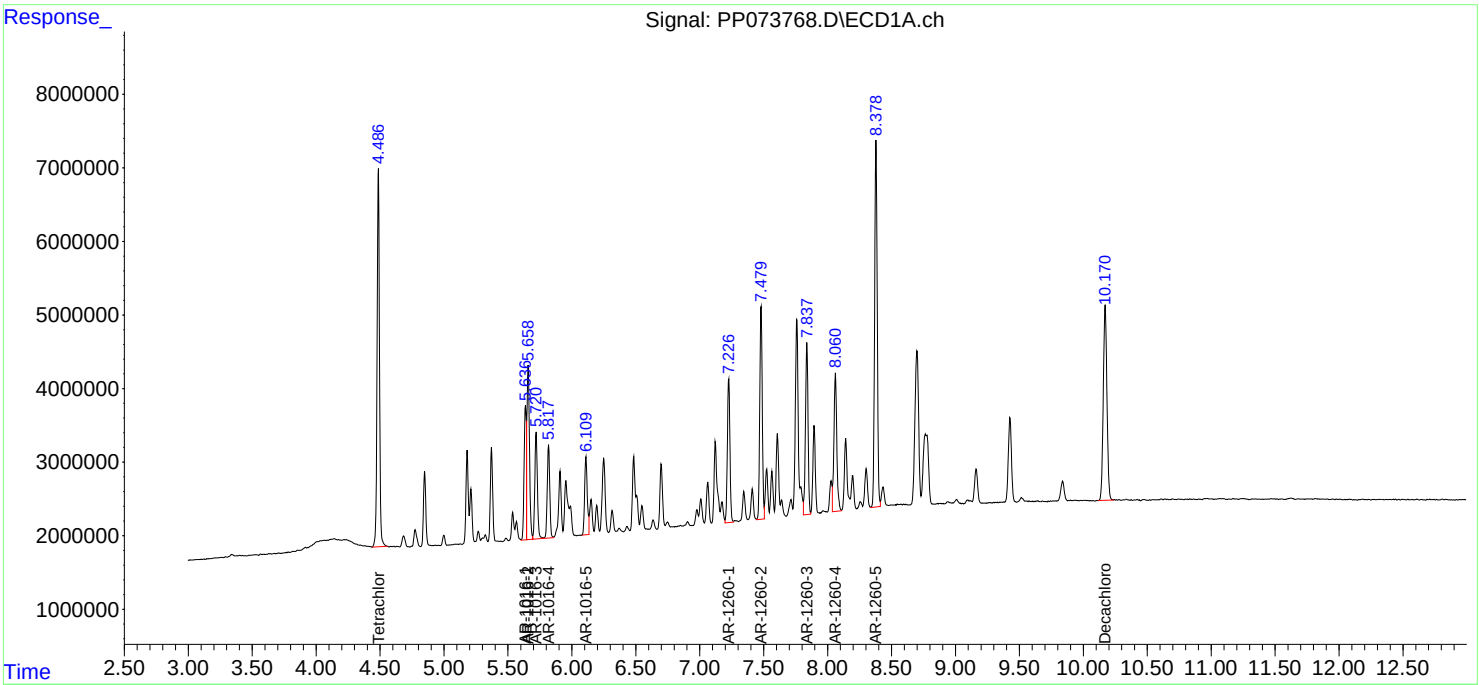
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

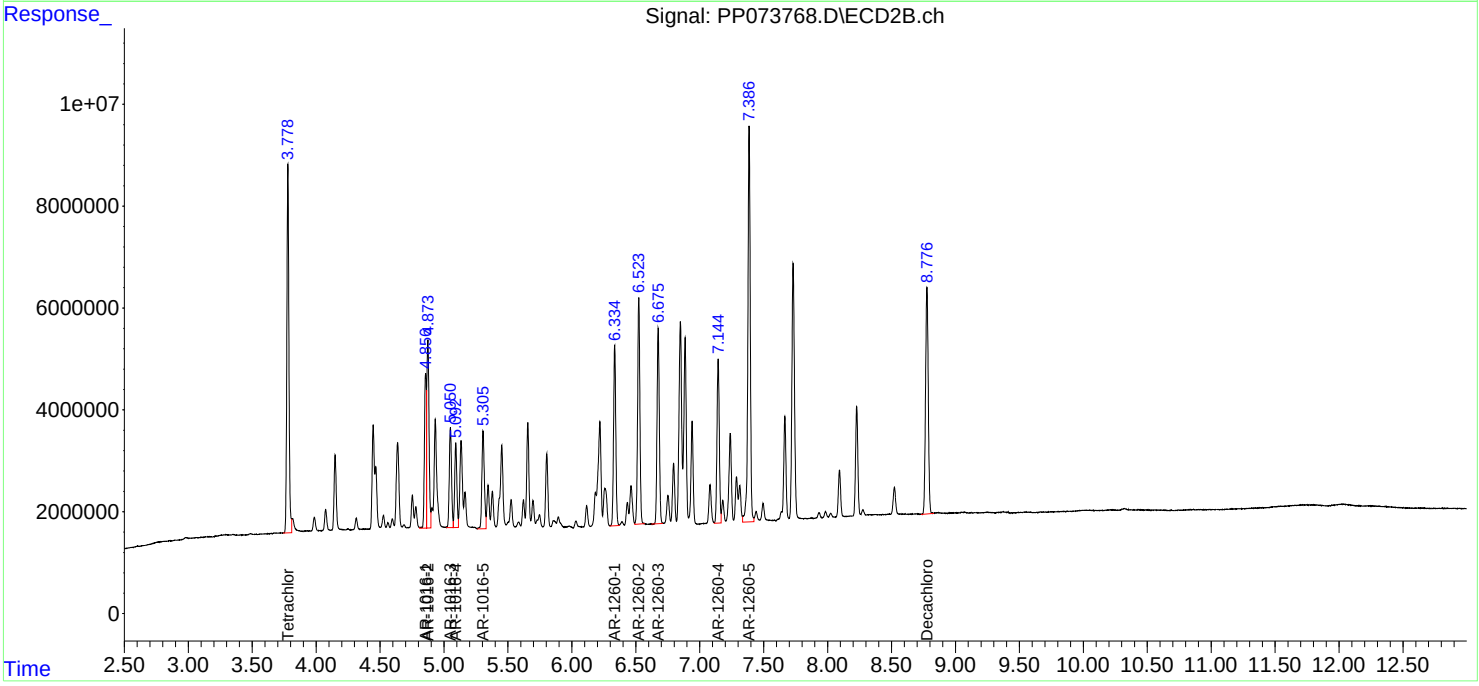
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071425\
Data File : PP073768.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 14:19
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

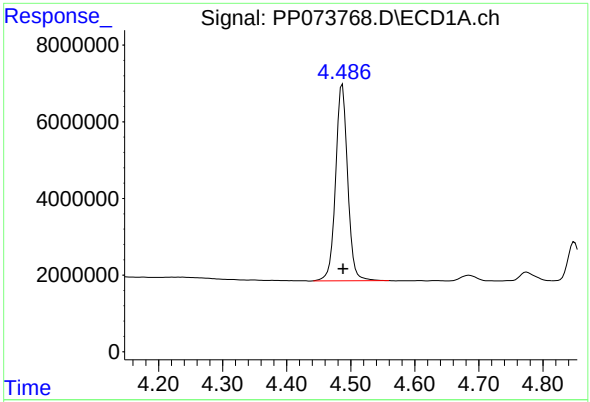
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 02:17:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



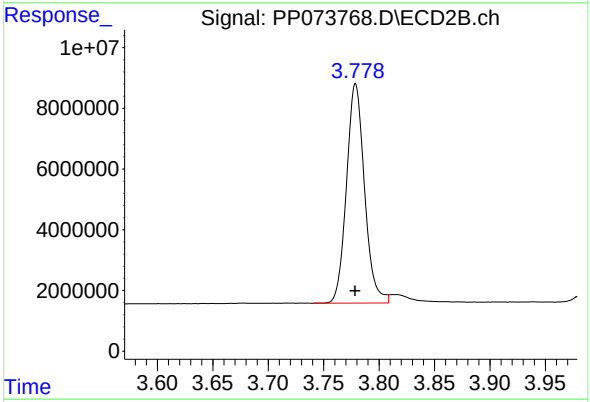




#1 Tetrachloro-m-xylene

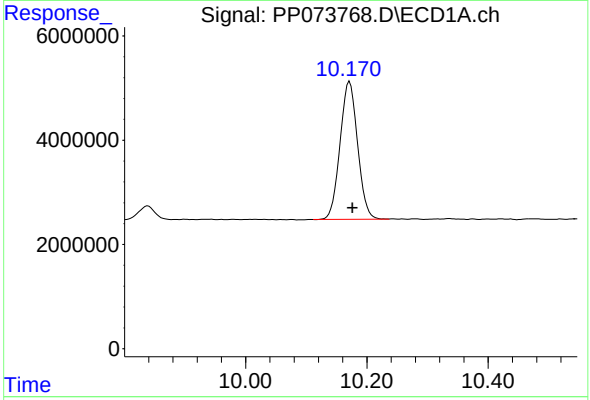
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 67146468
Conc: 49.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



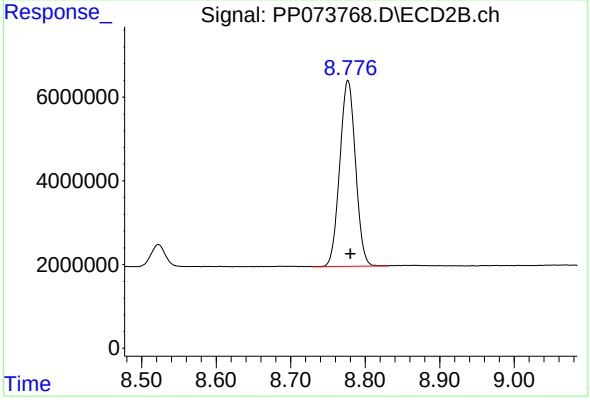
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 81956356
Conc: 44.49 ng/ml



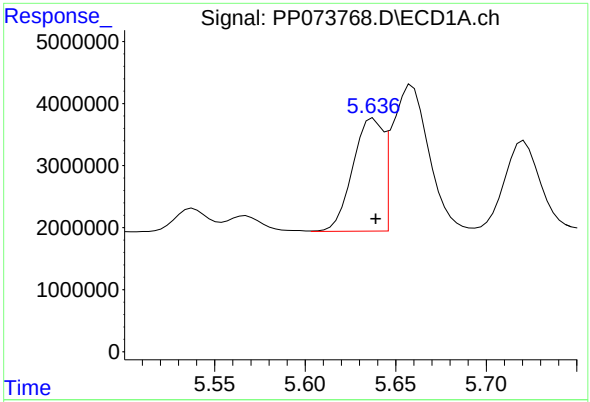
#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 53059572
Conc: 48.63 ng/ml



#2 Decachlorobiphenyl

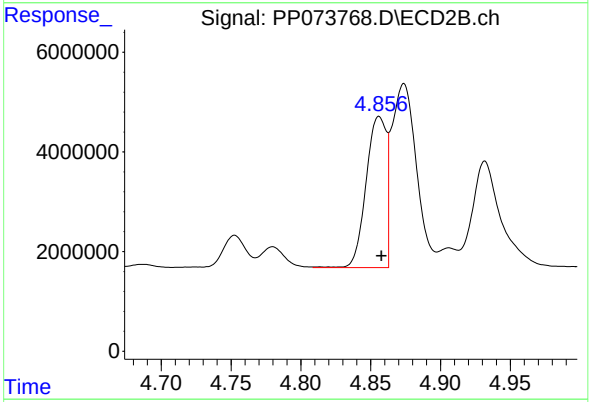
R.T.: 8.777 min
Delta R.T.: -0.003 min
Response: 65294463
Conc: 49.35 ng/ml



#3 AR-1016-1

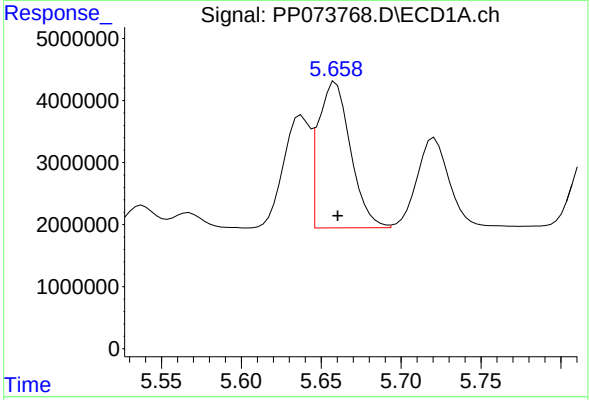
R.T.: 5.638 min
Delta R.T.: -0.001 min
Response: 21123142
Conc: 444.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



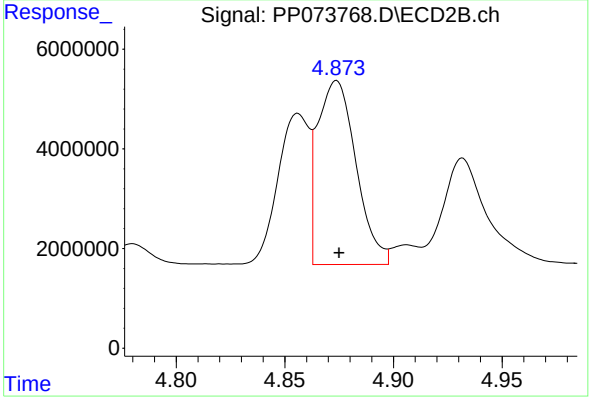
#3 AR-1016-1

R.T.: 4.856 min
Delta R.T.: -0.002 min
Response: 30526608
Conc: 447.77 ng/ml



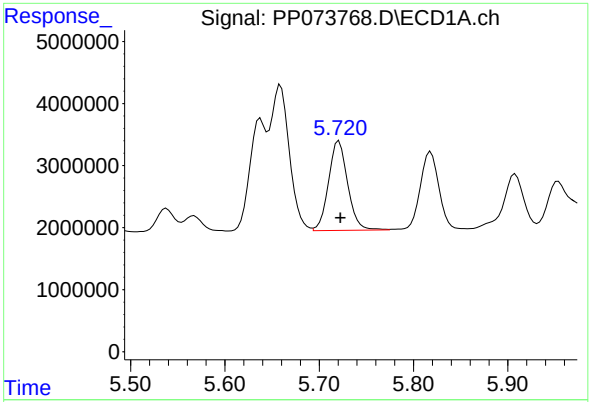
#4 AR-1016-2

R.T.: 5.659 min
Delta R.T.: -0.001 min
Response: 33118742
Conc: 465.05 ng/ml



#4 AR-1016-2

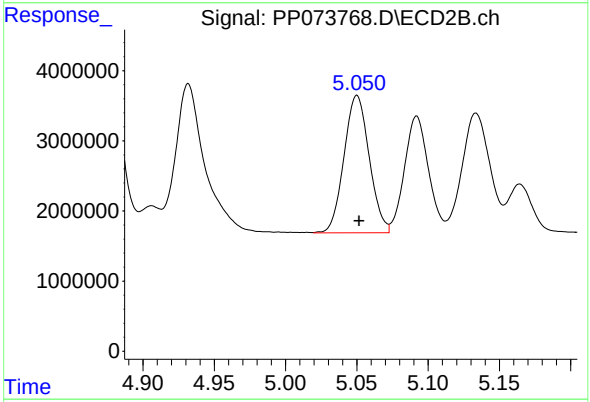
R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 45429883
Conc: 445.90 ng/ml



#5 AR-1016-3

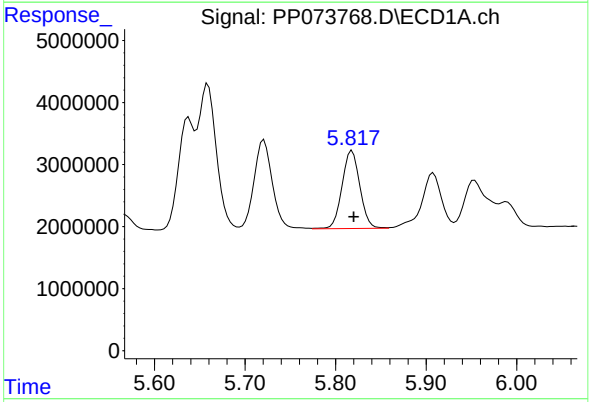
R.T.: 5.721 min
Delta R.T.: -0.002 min
Response: 20344089
Conc: 465.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



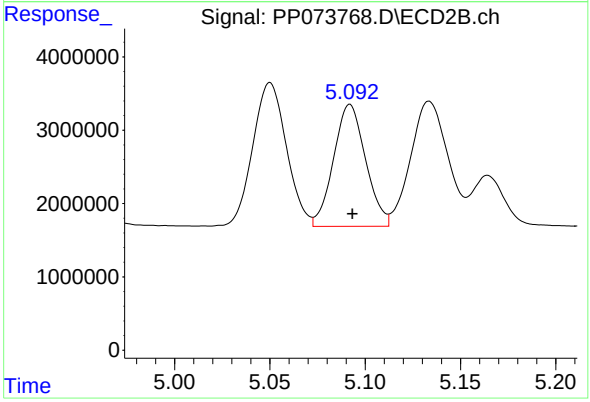
#5 AR-1016-3

R.T.: 5.050 min
Delta R.T.: -0.001 min
Response: 24181641
Conc: 446.93 ng/ml



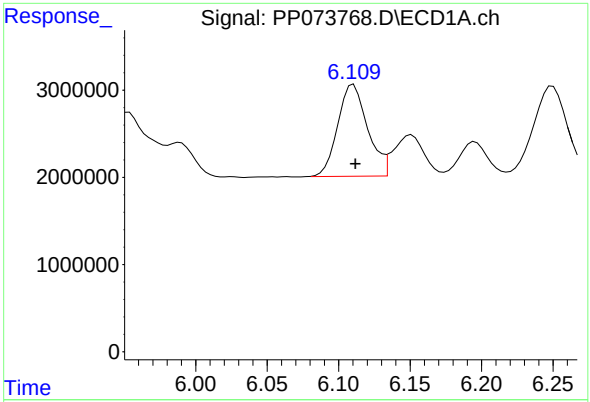
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 17209920
Conc: 478.78 ng/ml



#6 AR-1016-4

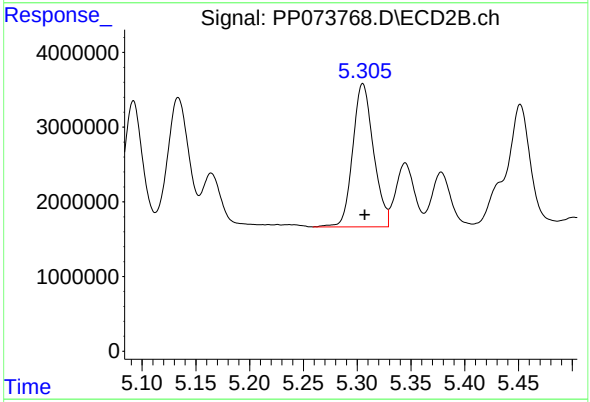
R.T.: 5.092 min
Delta R.T.: -0.001 min
Response: 19481184
Conc: 443.96 ng/ml



#7 AR-1016-5

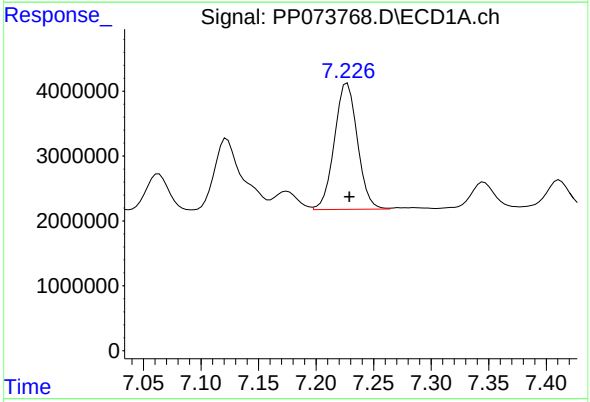
R.T.: 6.110 min
Delta R.T.: -0.001 min
Response: 15302949
Conc: 488.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



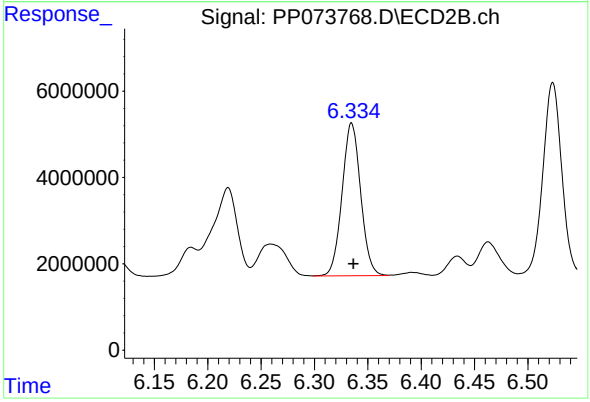
#7 AR-1016-5

R.T.: 5.305 min
Delta R.T.: -0.002 min
Response: 25765817
Conc: 472.05 ng/ml



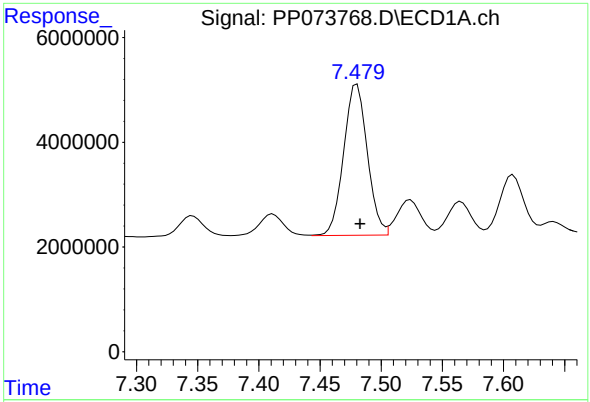
#31 AR-1260-1

R.T.: 7.227 min
Delta R.T.: -0.002 min
Response: 27129060
Conc: 460.12 ng/ml



#31 AR-1260-1

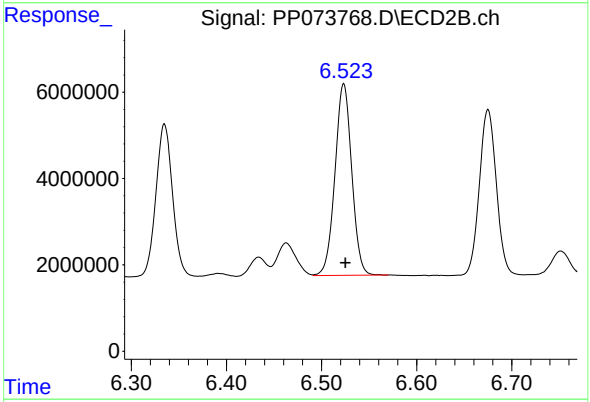
R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 42947939
Conc: 440.22 ng/ml



#32 AR-1260-2

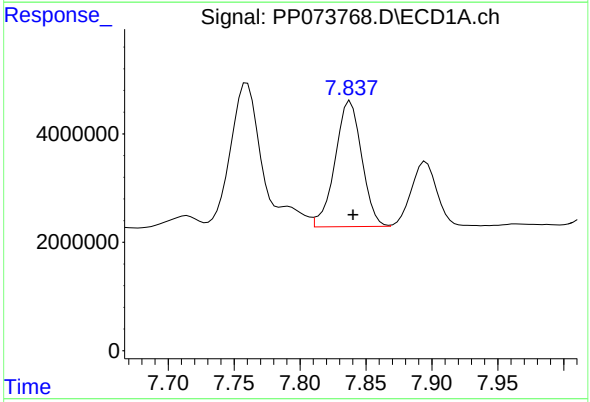
R.T.: 7.480 min
Delta R.T.: -0.003 min
Response: 38846839
Conc: 405.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



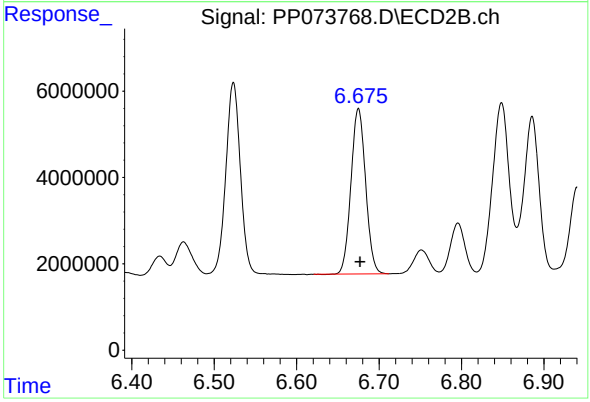
#32 AR-1260-2

R.T.: 6.523 min
Delta R.T.: -0.002 min
Response: 54346334
Conc: 442.42 ng/ml



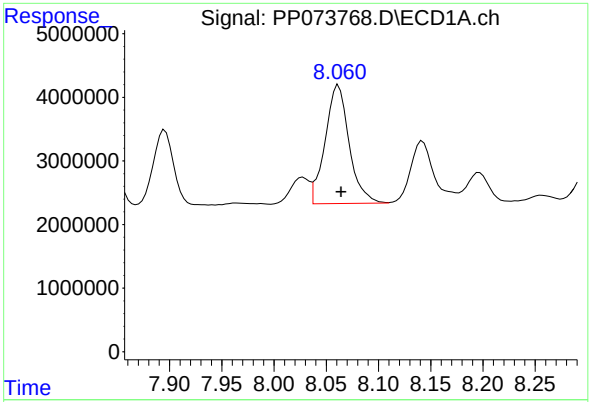
#33 AR-1260-3

R.T.: 7.838 min
Delta R.T.: -0.002 min
Response: 32628076
Conc: 446.53 ng/ml



#33 AR-1260-3

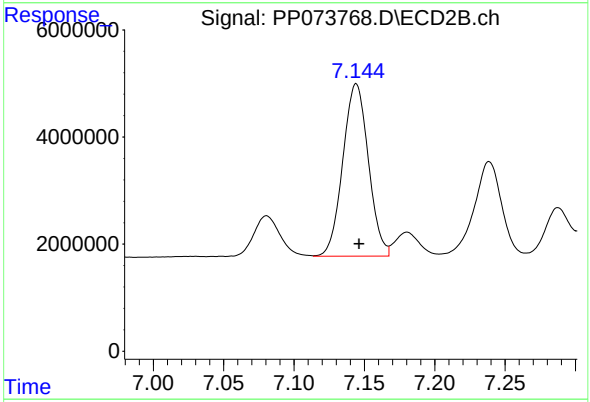
R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 47302504
Conc: 432.13 ng/ml



#34 AR-1260-4

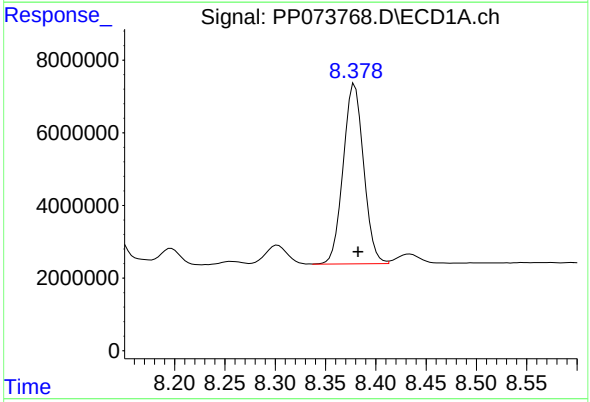
R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 29799677
Conc: 456.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



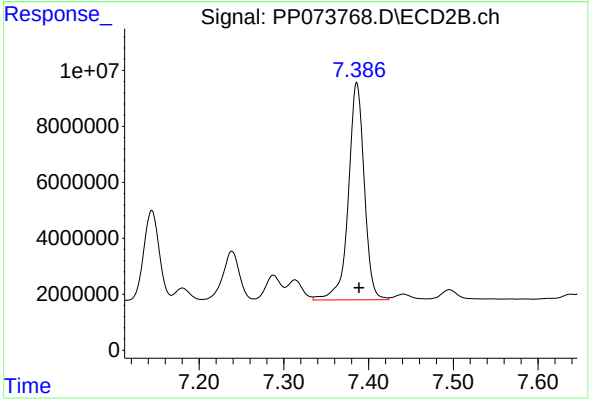
#34 AR-1260-4

R.T.: 7.144 min
Delta R.T.: -0.002 min
Response: 40759887
Conc: 455.88 ng/ml



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.004 min
Response: 69991462
Conc: 463.97 ng/ml



#35 AR-1260-5

R.T.: 7.386 min
Delta R.T.: -0.003 min
Response: 101000997
Conc: 449.42 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.:** Q2555

Project: Raymark Superfund Site **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/07/2025 07/07/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/07/2025	20:30	PP073553.D	10.18	4.49
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	10.18	4.49
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	10.18	4.49
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	10.18	4.49
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	10.18	4.49
AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	10.17	4.49
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	10.18	4.49
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	10.18	4.49
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	10.18	4.49
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	10.18	4.49
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	10.17	4.49
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	10.18	4.49
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	10.17	4.49
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	10.18	4.49
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	10.18	4.49
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	10.17	4.49
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	10.18	4.49
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	10.17	4.49
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	10.18	4.49
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	10.18	4.49
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	10.17	4.49
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	10.18	4.49
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	10.18	4.49
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	10.18	4.49
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	10.18	4.49
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	10.18	4.49
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	10.18	4.49
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	10.17	4.49
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/11/2025	10:08	PP073711.D	10.17	4.48
I.BLK	I.BLK	07/11/2025	11:14	PP073715.D	10.17	4.49
PB168809BS	PB168809BS	07/11/2025	13:26	PP073718.D	10.17	4.49
OU4-TS-29-070925	Q2555-01	07/11/2025	13:43	PP073719.D	10.17	4.48
OU4-TS-29-070925MS	Q2555-01MS	07/11/2025	13:59	PP073720.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/11/2025	16:26	PP073726.D	10.17	4.49
I.BLK	I.BLK	07/11/2025	17:48	PP073730.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/11/2025	21:38	PP073741.D	10.18	4.49
I.BLK	I.BLK	07/12/2025	00:05	PP073745.D	10.17	4.49
PB168809BL	PB168809BL	07/12/2025	00:21	PP073746.D	10.17	4.49
OU4-TS-29-070925MSD	Q2555-01MSD	07/12/2025	00:38	PP073747.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/12/2025	01:43	PP073748.D	10.17	4.48
I.BLK	I.BLK	07/12/2025	03:05	PP073752.D	10.18	4.49

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

Analytical Sequence

AR1660CCC500	AR1660CCC500	07/14/2025	09:32	PP073754.D	10.17	4.49
I.BLK	I.BLK	07/14/2025	10:43	PP073758.D	10.17	4.49
OU4-TS-30-070925	Q2555-03	07/14/2025	11:16	PP073760.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/14/2025	14:19	PP073768.D	10.17	4.49
I.BLK	I.BLK	07/14/2025	15:25	PP073772.D	10.17	4.48

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.:** Q2555

Project: Raymark Superfund Site **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/07/2025 07/07/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/07/2025	20:30	PP073553.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	8.78	3.78
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	8.78	3.78
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	8.78	3.78
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	8.78	3.78
AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	8.78	3.78
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	8.78	3.78
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	8.78	3.78
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	8.78	3.78
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	8.78	3.78
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	8.78	3.78
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	8.78	3.78
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	8.78	3.78
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	8.78	3.78
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	8.78	3.78
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	8.78	3.78
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	8.78	3.78
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	8.78	3.78
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	8.78	3.78
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	8.78	3.78
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	8.78	3.78
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	8.78	3.78
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	8.78	3.78
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	8.78	3.78
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	8.78	3.78
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/11/2025	10:08	PP073711.D	8.78	3.78
I.BLK	I.BLK	07/11/2025	11:14	PP073715.D	8.78	3.78
PB168809BS	PB168809BS	07/11/2025	13:26	PP073718.D	8.77	3.78
OU4-TS-29-070925	Q2555-01	07/11/2025	13:43	PP073719.D	8.78	3.78
OU4-TS-29-070925MS	Q2555-01MS	07/11/2025	13:59	PP073720.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/11/2025	16:26	PP073726.D	8.78	3.78
I.BLK	I.BLK	07/11/2025	17:48	PP073730.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/11/2025	21:38	PP073741.D	8.78	3.78
I.BLK	I.BLK	07/12/2025	00:05	PP073745.D	8.78	3.78
PB168809BL	PB168809BL	07/12/2025	00:21	PP073746.D	8.78	3.78
OU4-TS-29-070925MSD	Q2555-01MSD	07/12/2025	00:38	PP073747.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/12/2025	01:43	PP073748.D	8.78	3.78
I.BLK	I.BLK	07/12/2025	03:05	PP073752.D	8.78	3.78

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

Analytical Sequence

AR1660CCC500	AR1660CCC500	07/14/2025	09:32	PP073754.D	8.77	3.78
I.BLK	I.BLK	07/14/2025	10:43	PP073758.D	8.78	3.78
OU4-TS-30-070925	Q2555-03	07/14/2025	11:16	PP073760.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/14/2025	14:19	PP073768.D	8.78	3.78
I.BLK	I.BLK	07/14/2025	15:25	PP073772.D	8.78	3.78

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168809BS

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2555

Lab Sample ID: PB168809BS Date(s) Analyzed: 07/11/2025 07/11/2025

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 PP073718.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.638	5.588	5.688	161		
	2	5.659	5.609	5.709	164		
	3	5.721	5.671	5.771	167		
COLUMN 1	4	5.818	5.768	5.868	169		
	5	6.11	6.06	6.16	168	166	
	1	4.853	4.803	4.903	156		
	2	4.87	4.82	4.92	160		
	3	5.047	4.997	5.097	161		
	4	5.088	5.038	5.138	158		
COLUMN 2	5	5.302	5.252	5.352	162	160	3.68
Aroclor-1260	1	7.227	7.177	7.277	170		
	2	7.481	7.431	7.531	149		
	3	7.839	7.789	7.889	138		
COLUMN 1	4	8.063	8.013	8.113	152		
	5	8.381	8.331	8.431	146	151	
	1	6.332	6.282	6.382	169		
	2	6.521	6.471	6.571	167		
	3	6.672	6.622	6.722	167		
	4	7.141	7.091	7.191	153		
COLUMN 2	5	7.385	7.335	7.435	148	161	6.41

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-TS-29-070925MS

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2555

Lab Sample ID: Q2555-01MS Date(s) Analyzed: 07/11/2025 07/11/2025

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 PP073720.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.638	5.588	5.688	167		
	2	5.659	5.609	5.709	176		
	3	5.721	5.671	5.771	175		
COLUMN 1	4	5.818	5.768	5.868	205		
	5	6.109	6.059	6.159	173	179	
	1	4.855	4.805	4.905	165		
	2	4.873	4.823	4.923	169		
	3	5.05	5	5.1	174		
	4	5.092	5.042	5.142	170		
COLUMN 2	5	5.305	5.255	5.355	172	170	5.16
Aroclor-1260	1	7.226	7.176	7.276	177		
	2	7.481	7.431	7.531	157		
	3	7.839	7.789	7.889	133		
COLUMN 1	4	8.062	8.012	8.112	152		
	5	8.38	8.33	8.43	140	152	
	1	6.335	6.285	6.385	175		
	2	6.524	6.474	6.574	174		
	3	6.675	6.625	6.725	164		
	4	7.143	7.093	7.193	155		
COLUMN 2	5	7.387	7.337	7.437	145	163	6.98

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-TS-29-070925MSD

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2555

Lab Sample ID: Q2555-01MSD Date(s) Analyzed: 07/12/2025 07/12/2025

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 PP073747.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.64	5.59	5.69	178		
	2	5.662	5.612	5.712	182		
	3	5.723	5.673	5.773	184		
COLUMN 1	4	5.821	5.771	5.871	214		
	5	6.111	6.061	6.161	202	192	
	1	4.857	4.807	4.907	177		
	2	4.874	4.824	4.924	185		
	3	5.051	5.001	5.101	187		
	4	5.093	5.043	5.143	183		
COLUMN 2	5	5.306	5.256	5.356	185	183	4.8
Aroclor-1260	1	7.229	7.179	7.279	180		
	2	7.482	7.432	7.532	166		
	3	7.841	7.791	7.891	140		
COLUMN 1	4	8.064	8.014	8.114	160		
	5	8.381	8.331	8.431	145	158	
	1	6.336	6.286	6.386	184		
	2	6.524	6.474	6.574	172		
	3	6.676	6.626	6.726	173		
	4	7.145	7.095	7.195	160		
COLUMN 2	5	7.387	7.337	7.437	156	169	6.73

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:	PB168809BL		SDG No.:	Q2555	
Lab Sample ID:	PB168809BL		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
PP073746.D	1	07/11/25 08:20	07/12/25 00:21	PB168809

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	19.3		44 - 130		96%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 125		108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:21
Operator : YP\AJ
Sample : PB168809BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168809BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:10:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.486	3.779	26359831	35532277	19.247	19.287
2)	SA Decachlor...	10.171	8.776	21236670	28517411	19.464	21.553
	Target Compounds						

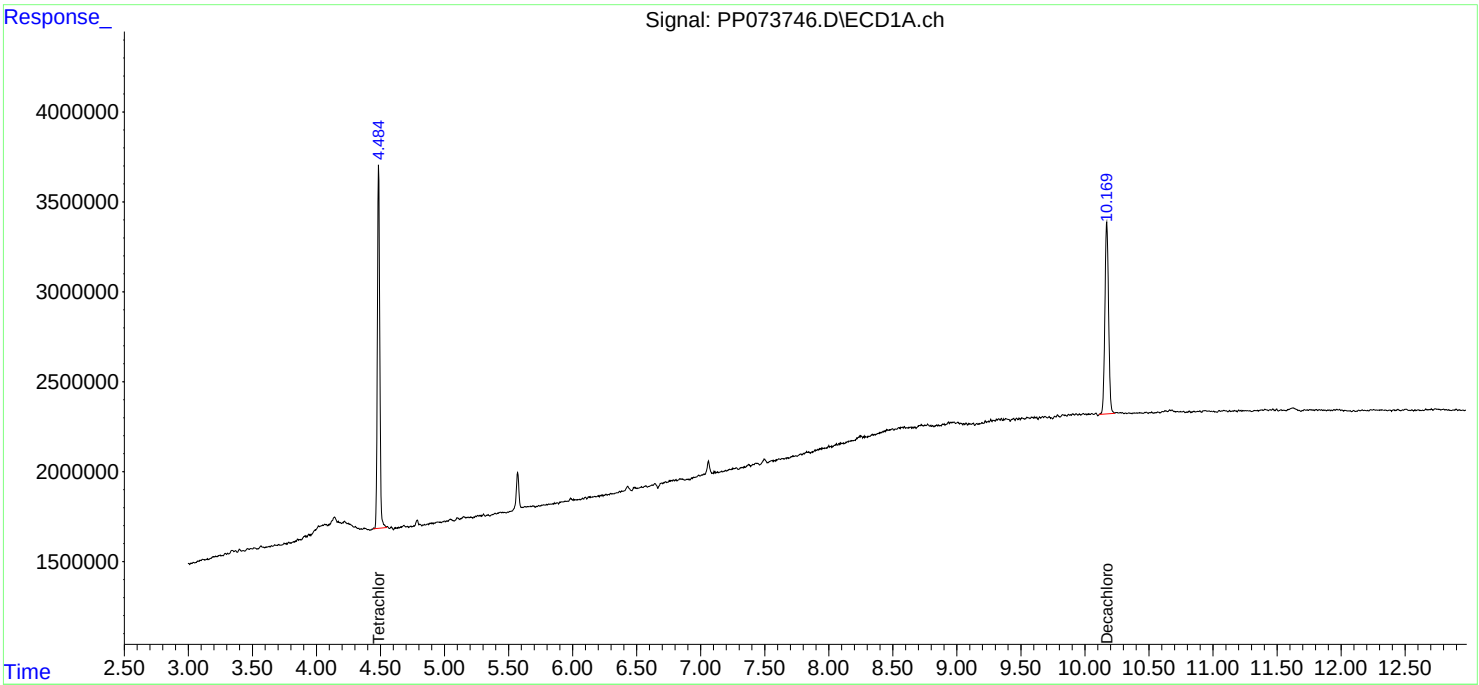
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

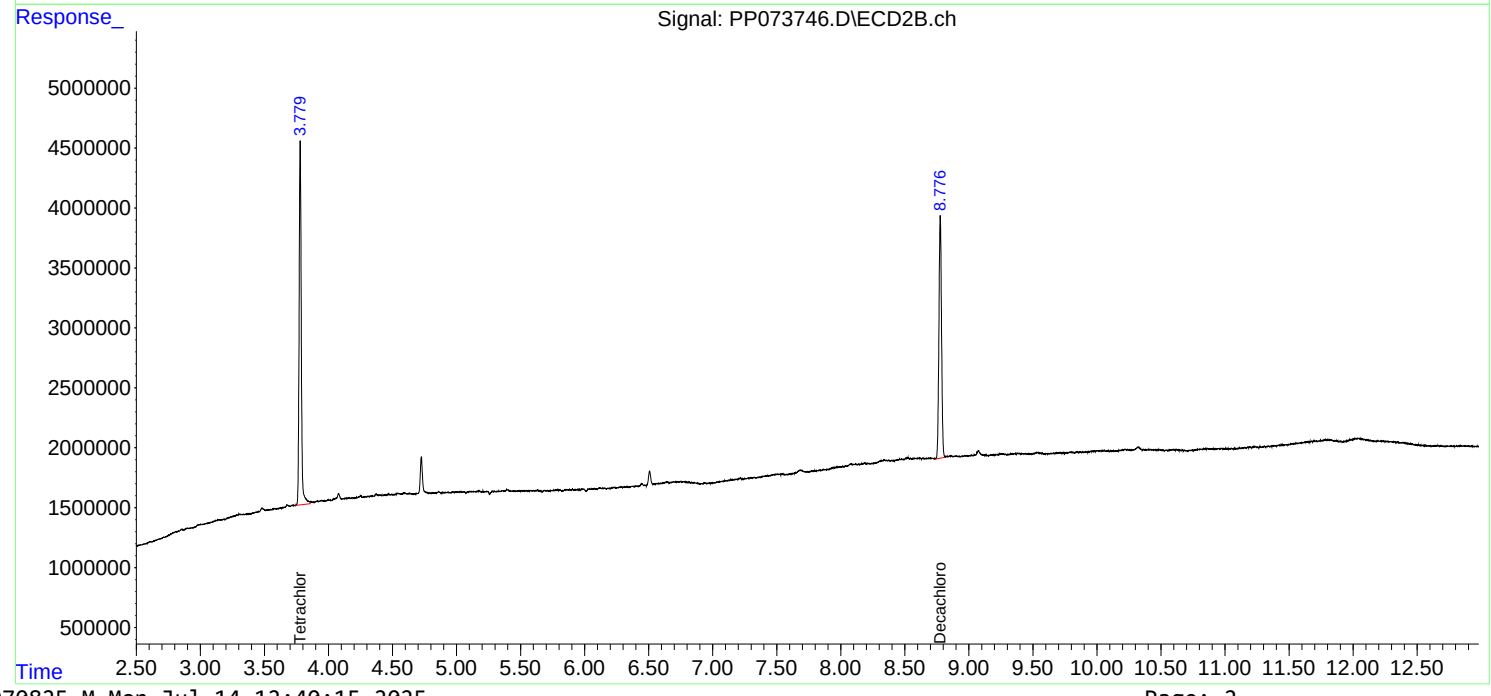
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:21
Operator : YP\AJ
Sample : PB168809BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

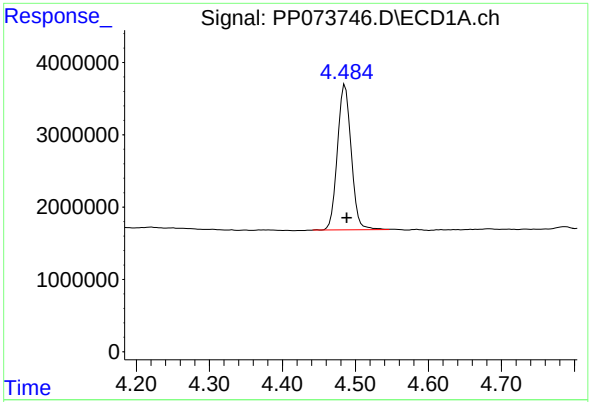
Instrument :
ECD_P
ClientSampleId :
PB168809BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:10:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



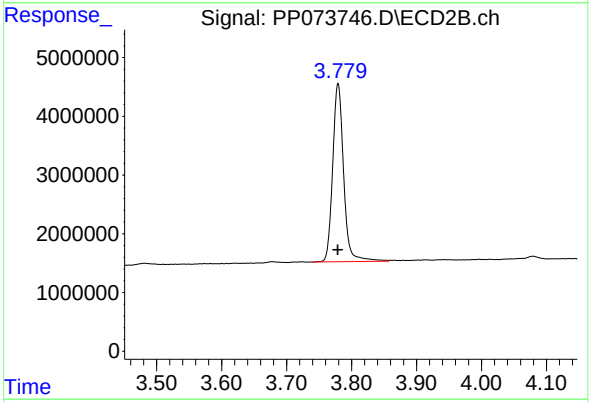




#1 Tetrachloro-m-xylene

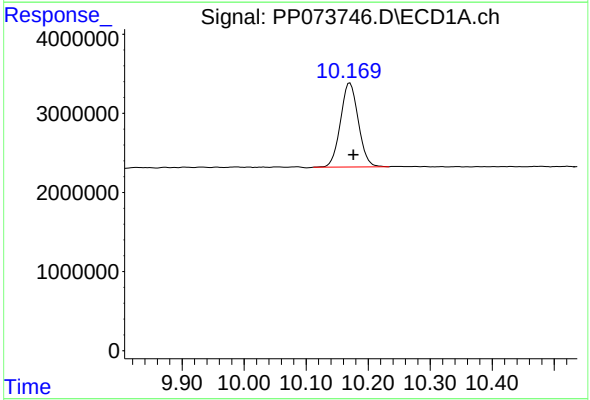
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 26359831
Conc: 19.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168809BL



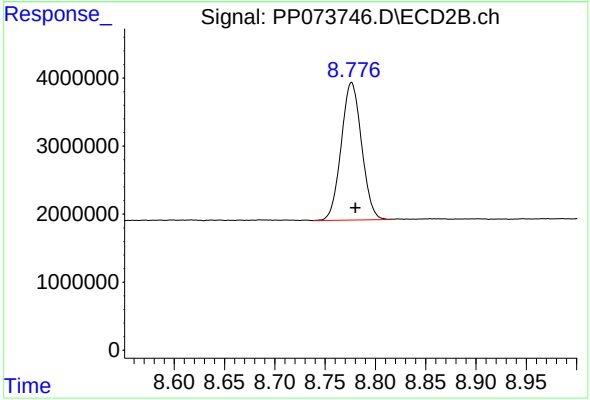
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 35532277
Conc: 19.29 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 21236670
Conc: 19.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.004 min
Response: 28517411
Conc: 21.55 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:	07/07/25
Project:	Raymark Superfund Site	Date Received:	07/07/25
Client Sample ID:	PIBLK-PP073553.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PP073553.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
PP073553.D	1		07/07/25	pp070825

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	16.2		60 - 140		81%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140		85%	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\PP070825\
Data File : PP073553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:30
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: Jul 08 08:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:22:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.780	22153163	29828480	16.176	16.191
2)	SA Decachlor...	10.178	8.781	18922819	22582394	17.344	17.067
	Target Compounds						

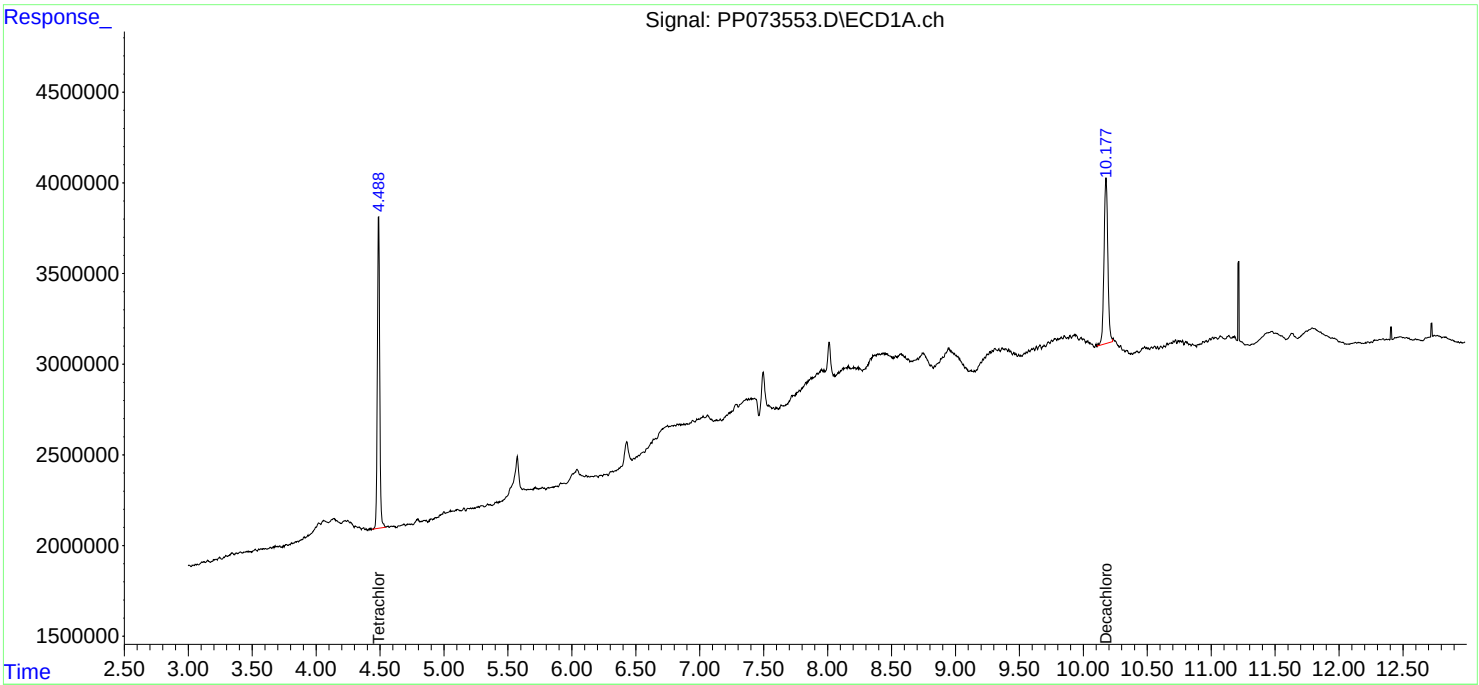
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

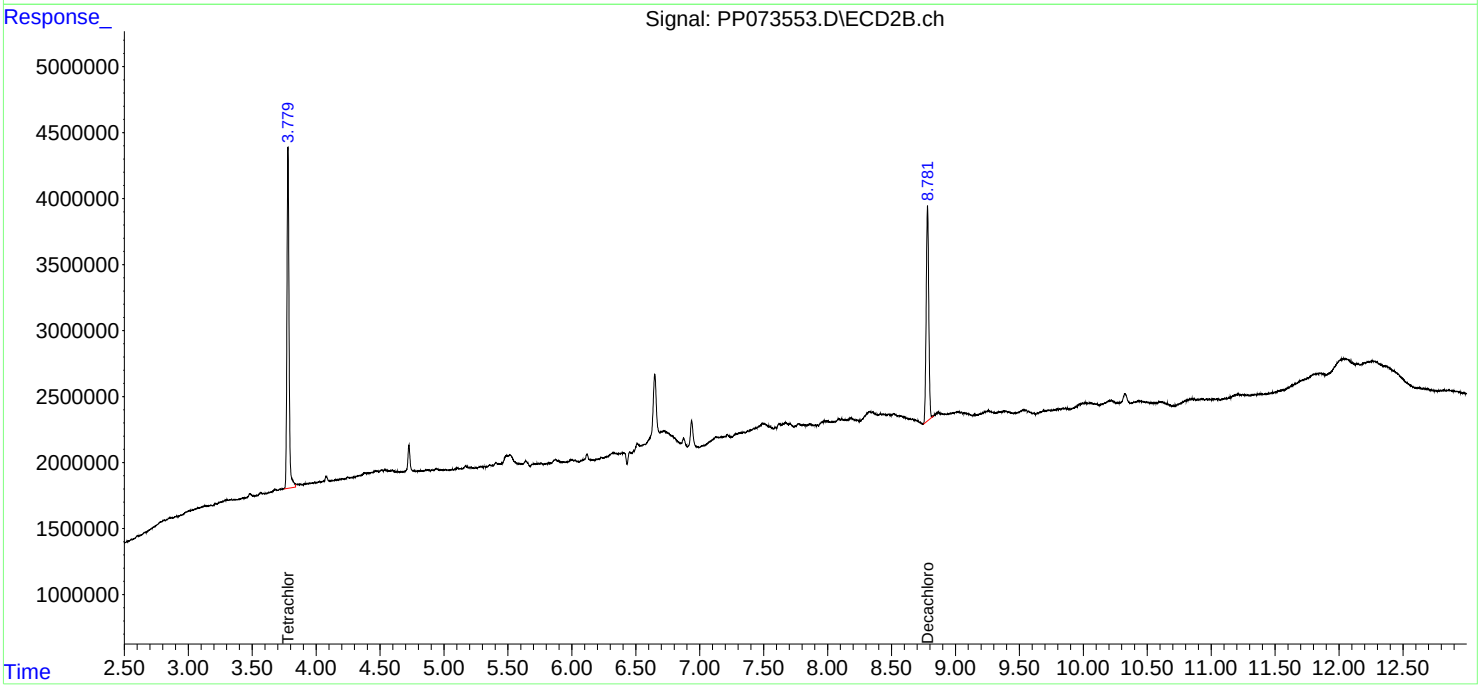
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:30
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

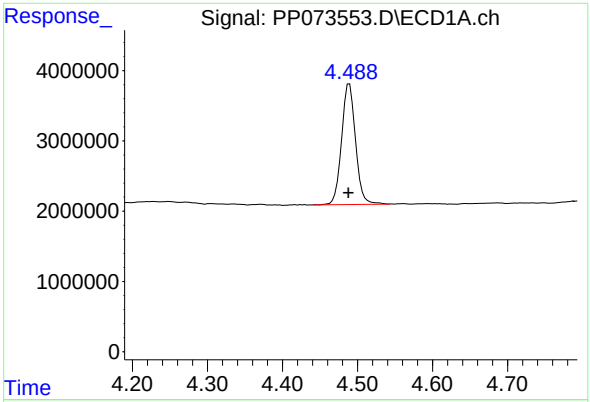
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 08:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:22:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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



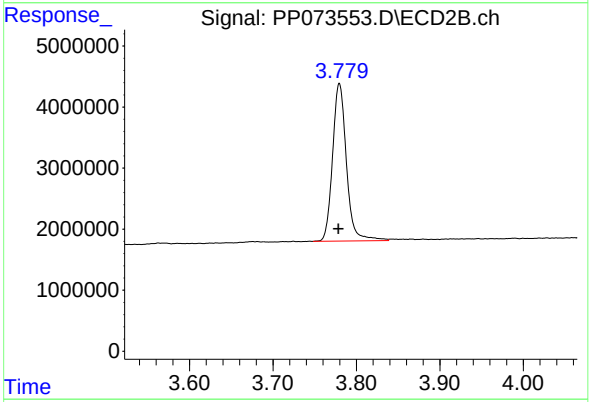




#1 Tetrachloro-m-xylene

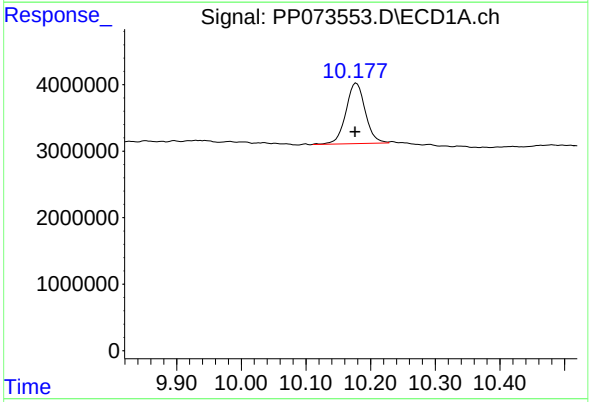
R.T.: 4.489 min
Delta R.T.: 0.001 min
Response: 22153163
Conc: 16.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



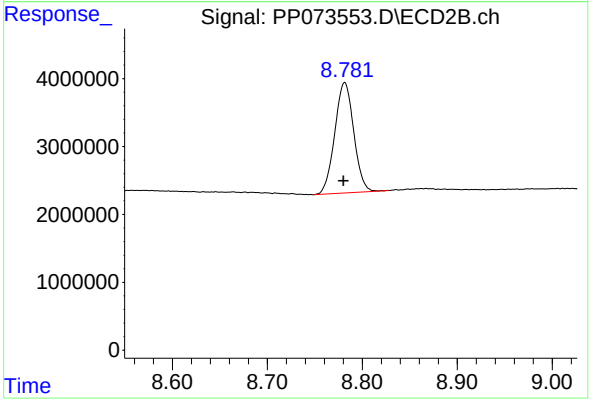
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.001 min
Response: 29828480
Conc: 16.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.178 min
Delta R.T.: 0.002 min
Response: 18922819
Conc: 17.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.781 min
Delta R.T.: 0.001 min
Response: 22582394
Conc: 17.07 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:	07/11/25
Project:	Raymark Superfund Site	Date Received:	07/11/25
Client Sample ID:	PIBLK-PP073715.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PP073715.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
PP073715.D	1		07/11/25	pp071225

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	19.8		60 - 140		99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		60 - 140		98%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073715.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 11:14
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: Jul 11 13:31:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.486	3.778	27219121	36423210	19.875	19.771
2)	SA Decachlor...	10.172	8.776	21298617	28931426	19.521	21.866
	Target Compounds						

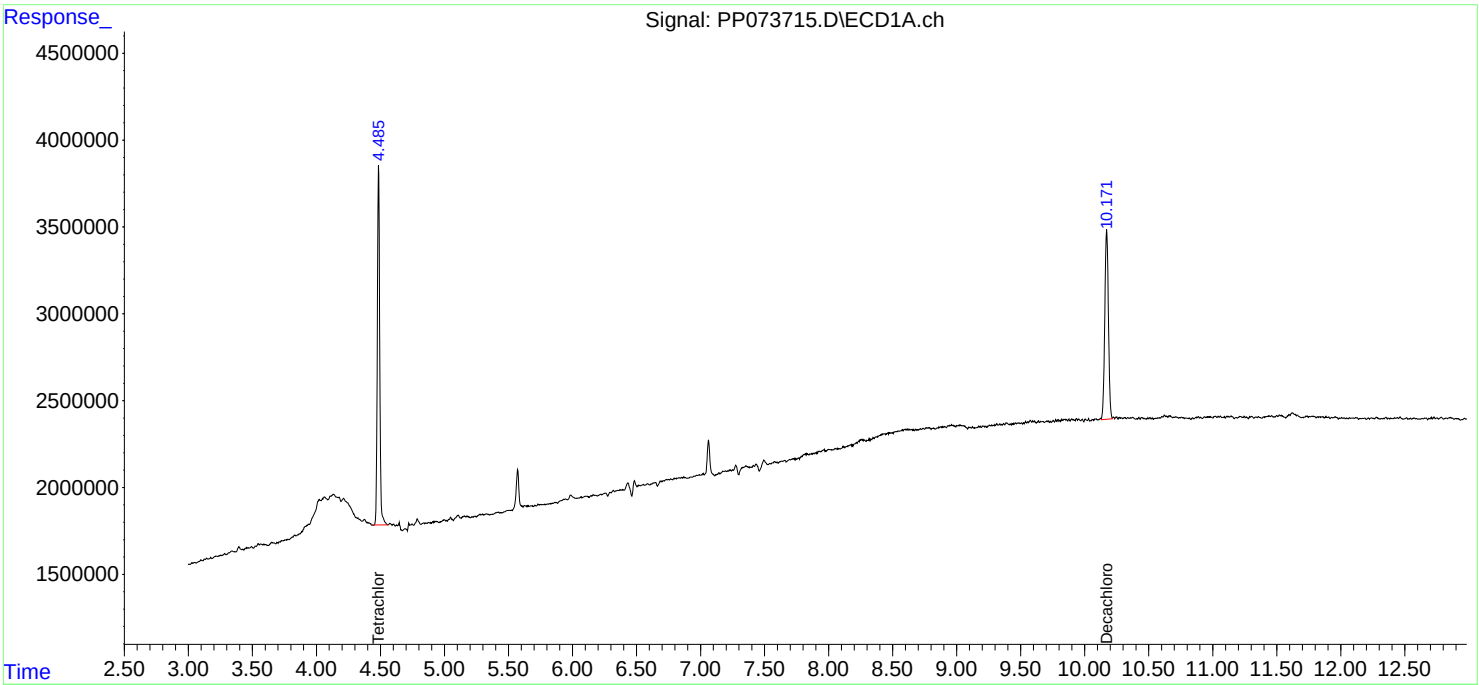
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

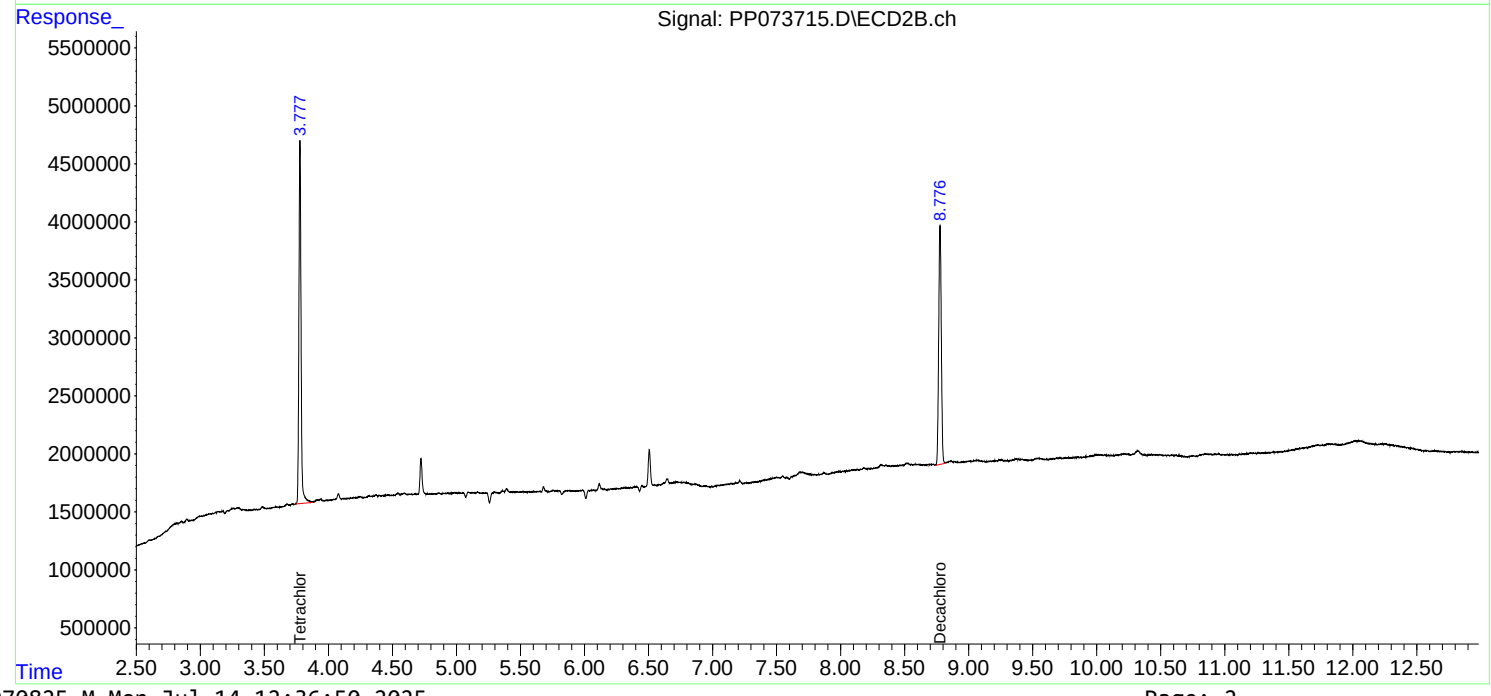
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073715.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 11:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

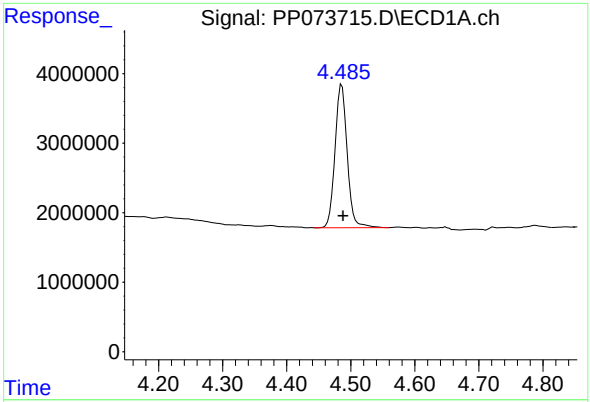
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 13:31:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



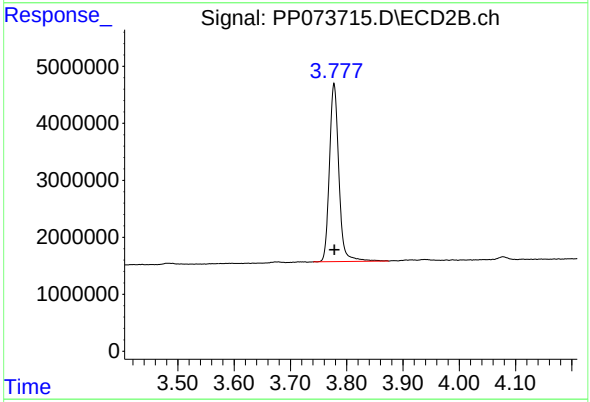




#1 Tetrachloro-m-xylene

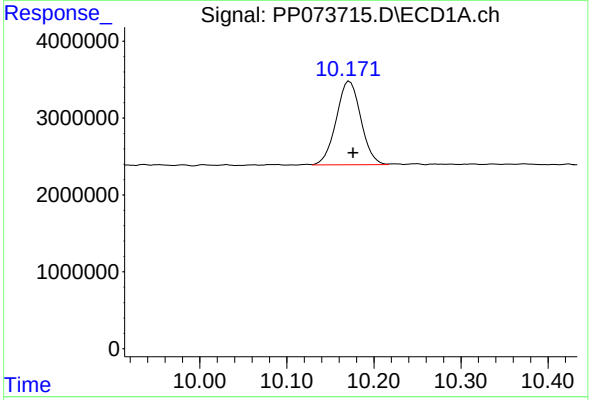
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 27219121
Conc: 19.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



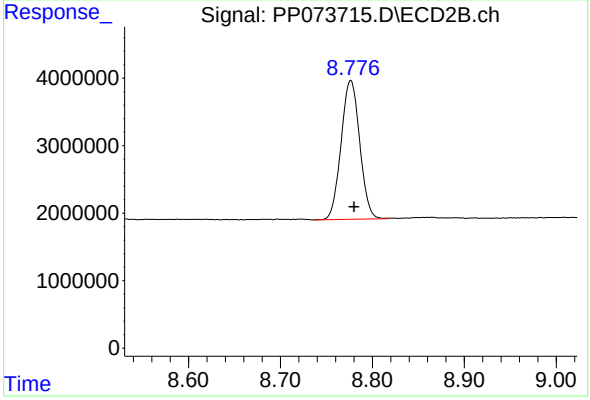
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 36423210
Conc: 19.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.172 min
Delta R.T.: -0.004 min
Response: 21298617
Conc: 19.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.004 min
Response: 28931426
Conc: 21.87 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:	07/11/25
Project:	Raymark Superfund Site	Date Received:	07/11/25
Client Sample ID:	PIBLK-PP073730.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PP073730.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
PP073730.D	1		07/11/25	pp071225

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	19.9		60 - 140		99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		60 - 140		101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:48
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: Jul 11 22:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.779	27661590	36564486	20.198	19.847
2)	SA Decachlor...	10.174	8.778	21926568	30098799	20.097	22.748
	Target Compounds						

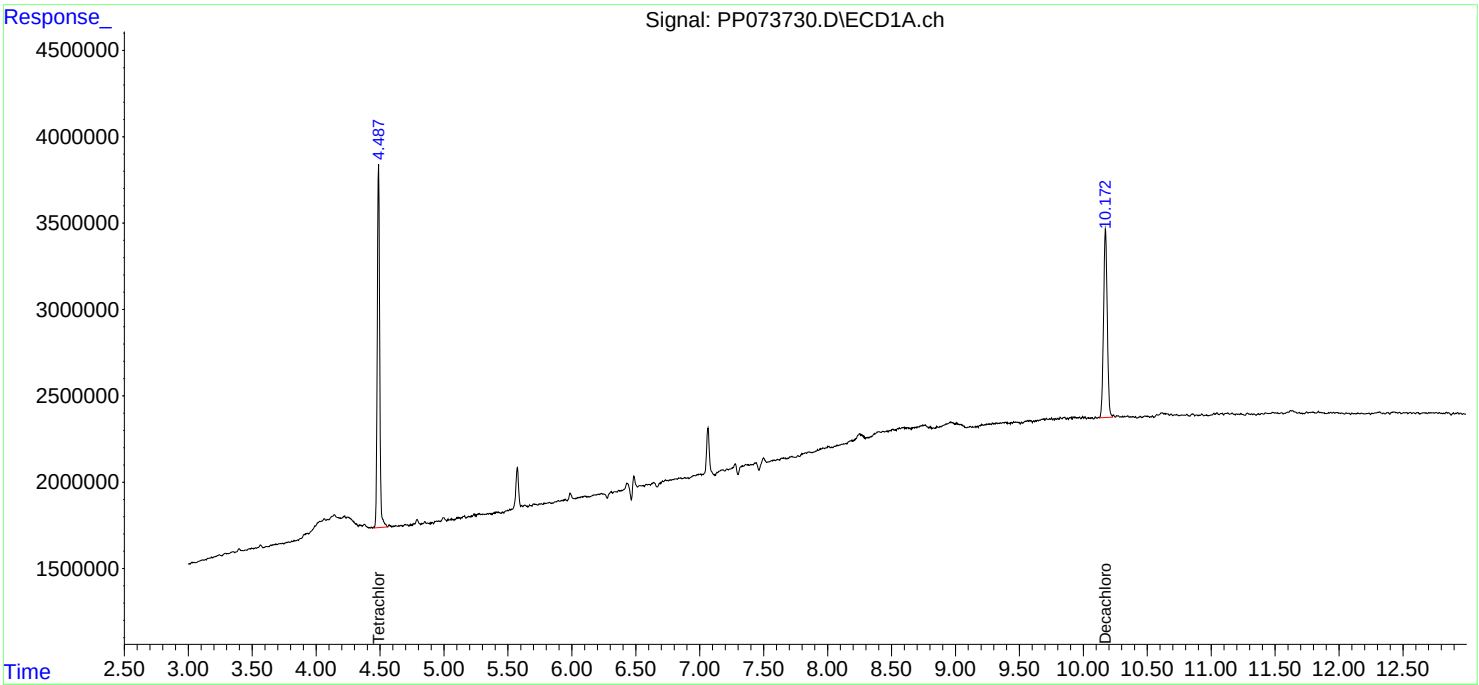
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

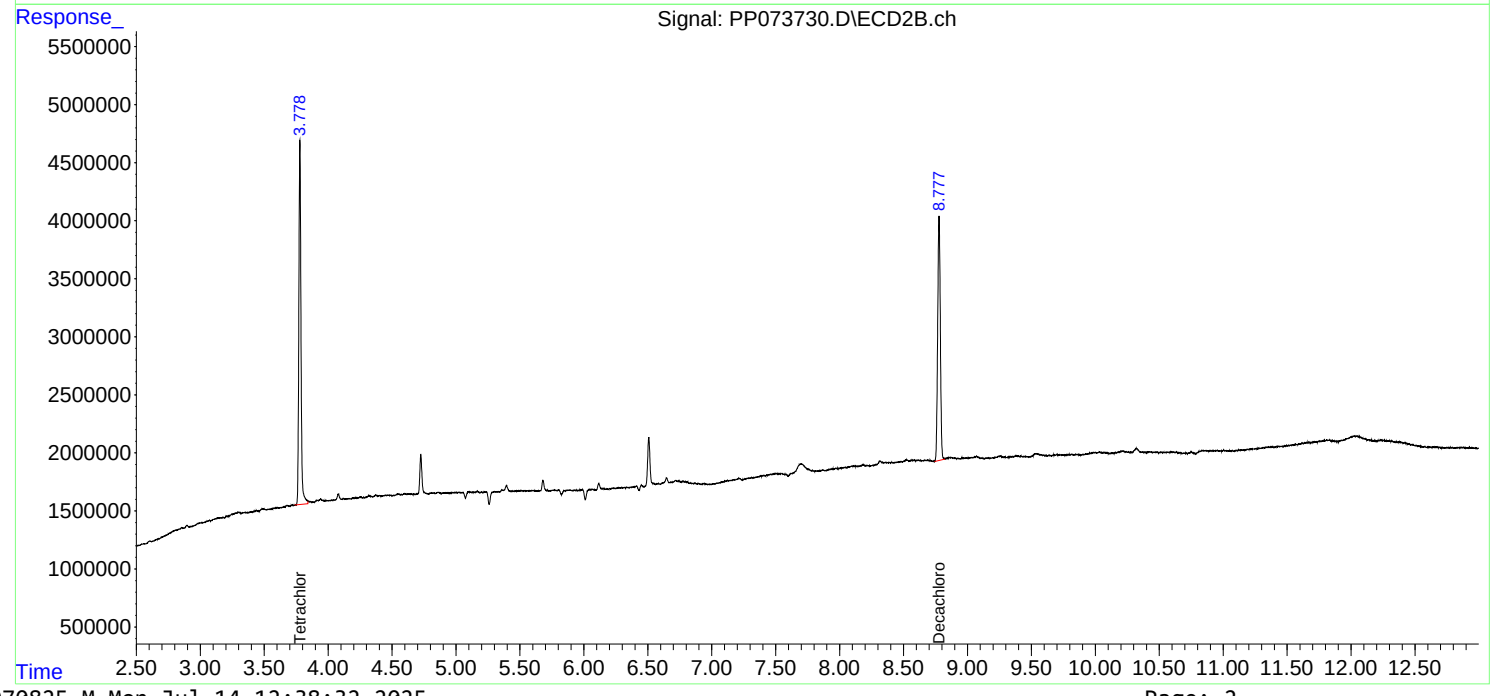
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:48
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

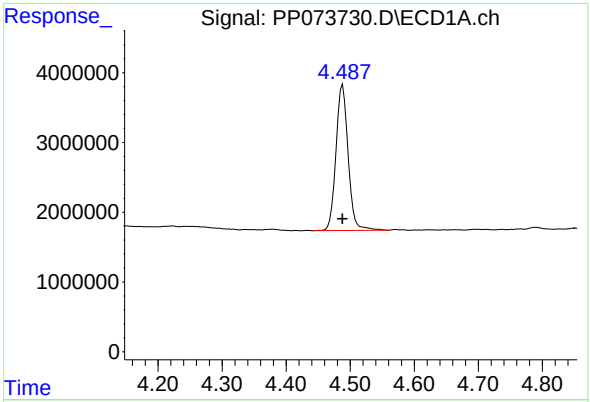
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



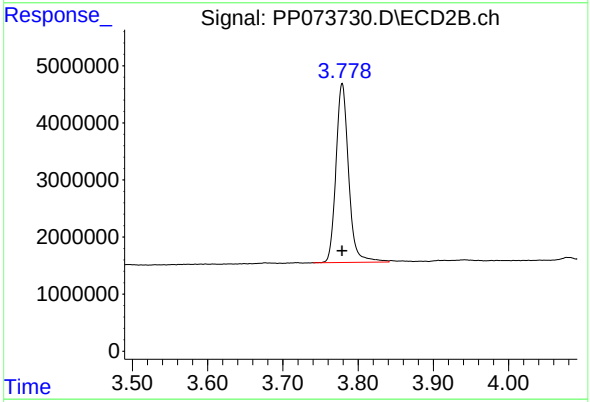




#1 Tetrachloro-m-xylene

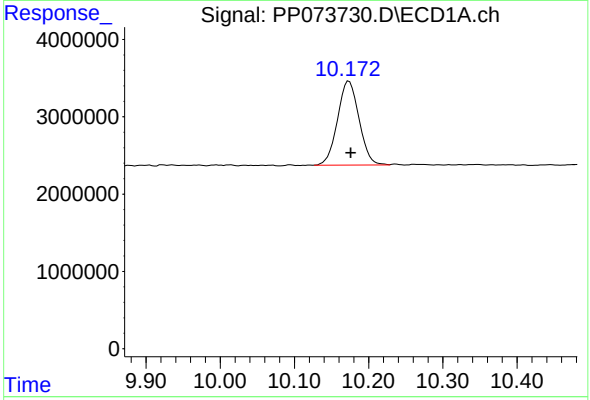
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 27661590
Conc: 20.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



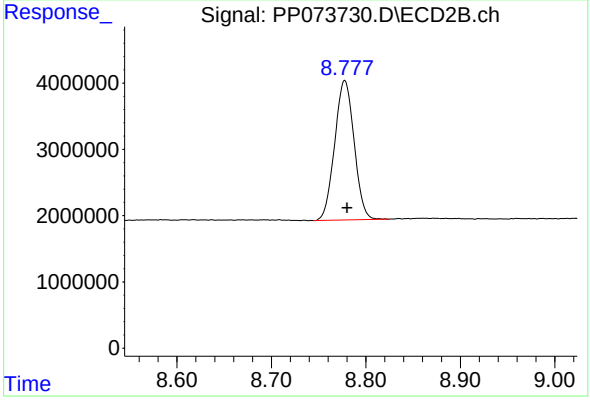
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 36564486
Conc: 19.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.174 min
Delta R.T.: -0.002 min
Response: 21926568
Conc: 20.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.778 min
Delta R.T.: -0.002 min
Response: 30098799
Conc: 22.75 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:	07/12/25
Project:	Raymark Superfund Site	Date Received:	07/12/25
Client Sample ID:	PIBLK-PP073745.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PP073745.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
PP073745.D	1		07/12/25	pp071225

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	19.9		60 - 140		99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		60 - 140		99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073745.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:05
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: Jul 12 01:09:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.488	3.779	27434965	36600709	20.032	19.867
2)	SA Decachlor...	10.172	8.778	21642163	28847650	19.836	21.802
	Target Compounds						

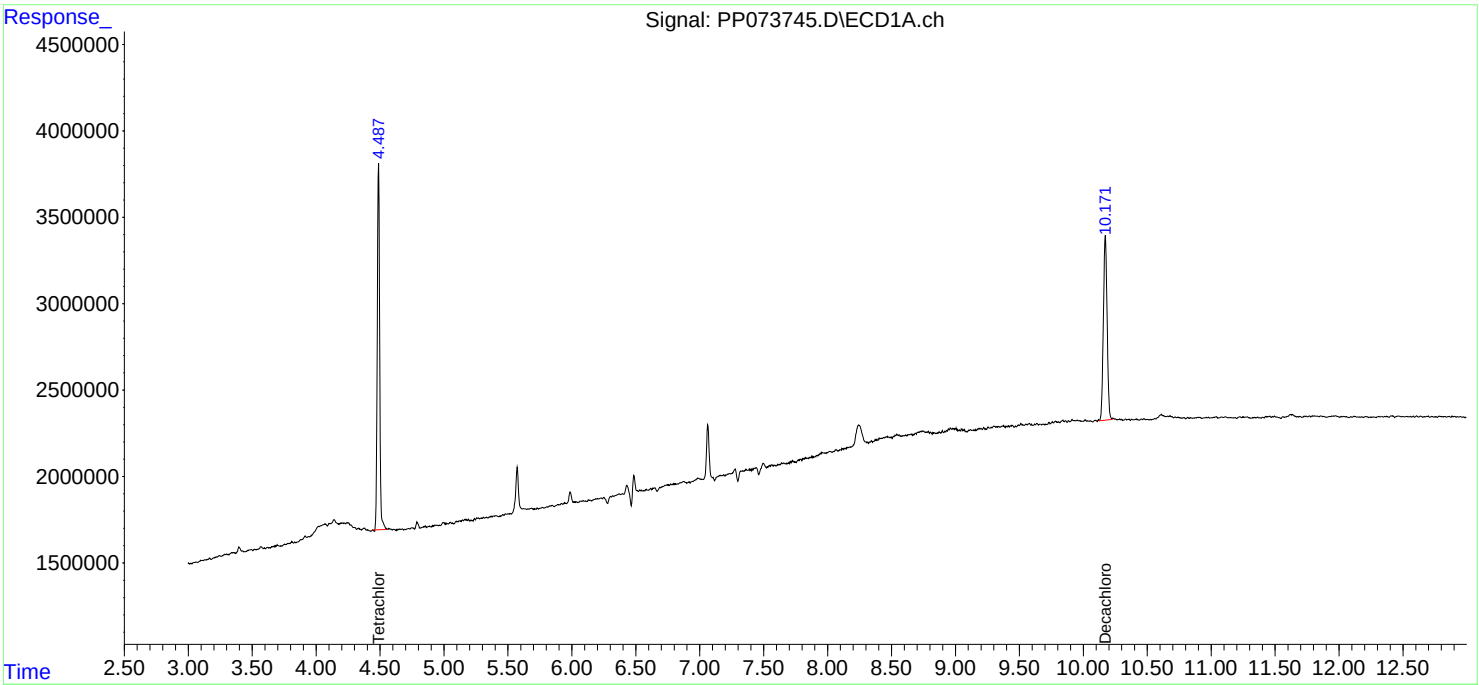
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

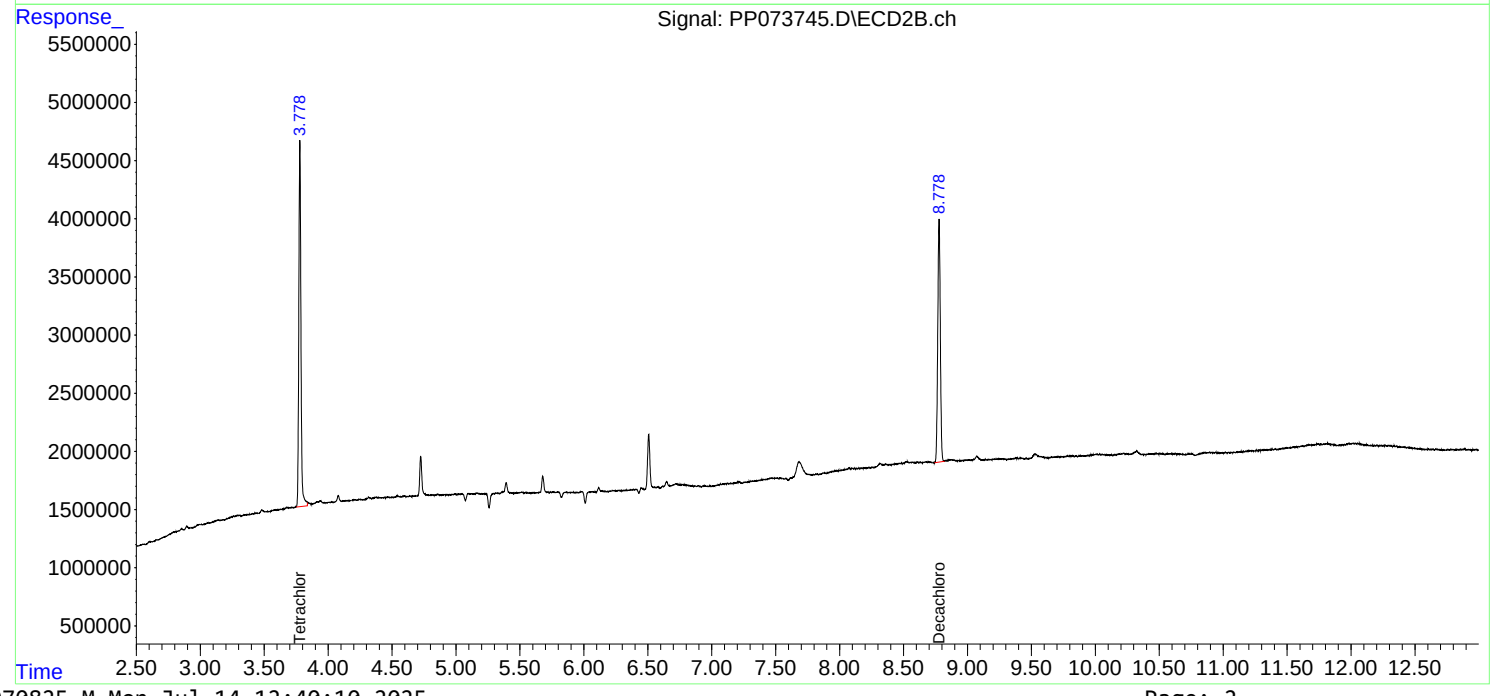
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073745.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

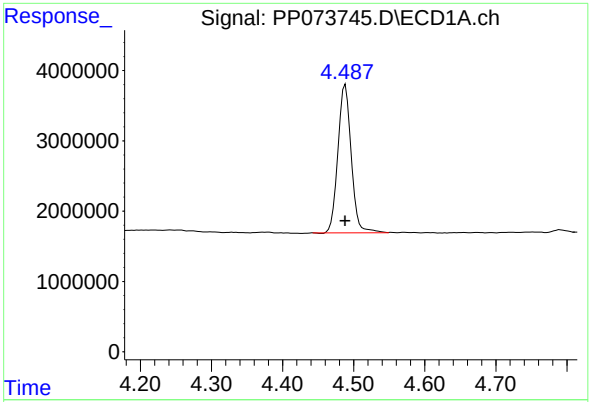
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:09:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



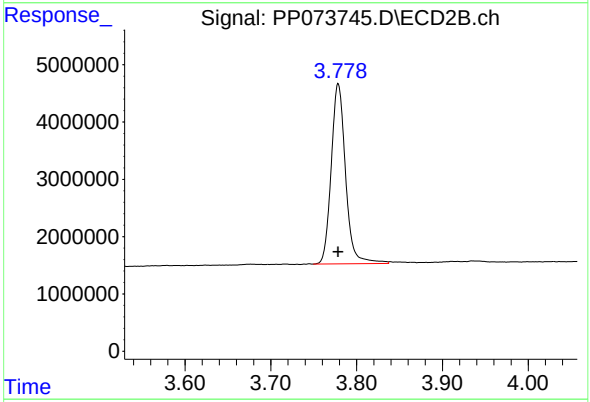




#1 Tetrachloro-m-xylene

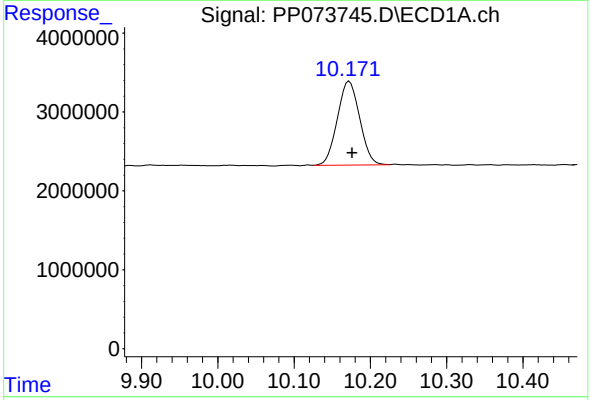
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 27434965
Conc: 20.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



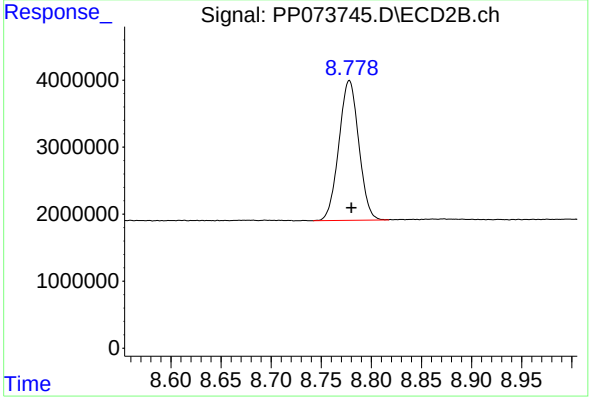
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 36600709
Conc: 19.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.172 min
Delta R.T.: -0.004 min
Response: 21642163
Conc: 19.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.778 min
Delta R.T.: -0.002 min
Response: 28847650
Conc: 21.80 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:	07/12/25
Project:	Raymark Superfund Site	Date Received:	07/12/25
Client Sample ID:	PIBLK-PP073752.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PP073752.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
PP073752.D	1		07/12/25	pp071225

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	19.9		60 - 140		100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140		102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 03:05
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: Jul 12 03:48:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.490	3.779	27919852	36740181	20.387	19.943
2)	SA Decachlor...	10.176	8.777	22309091	29658803	20.447	22.415
	Target Compounds						

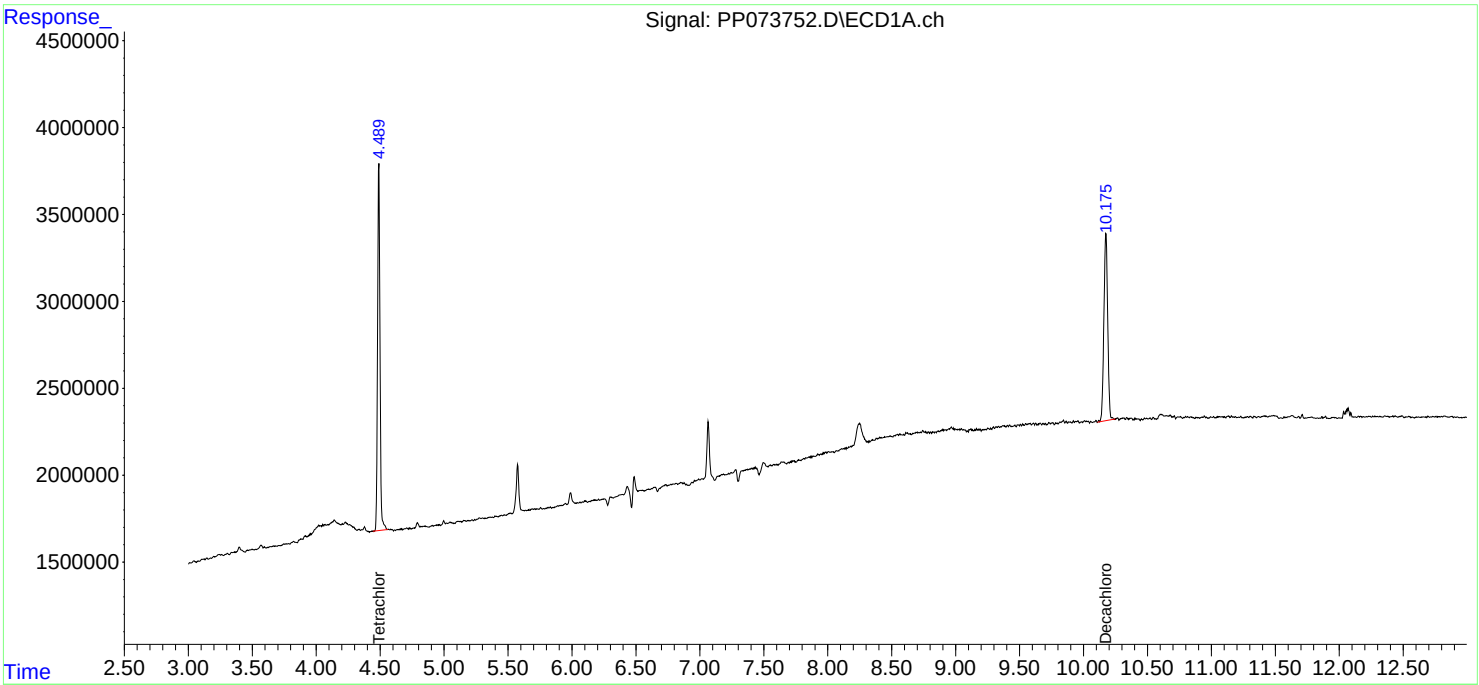
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

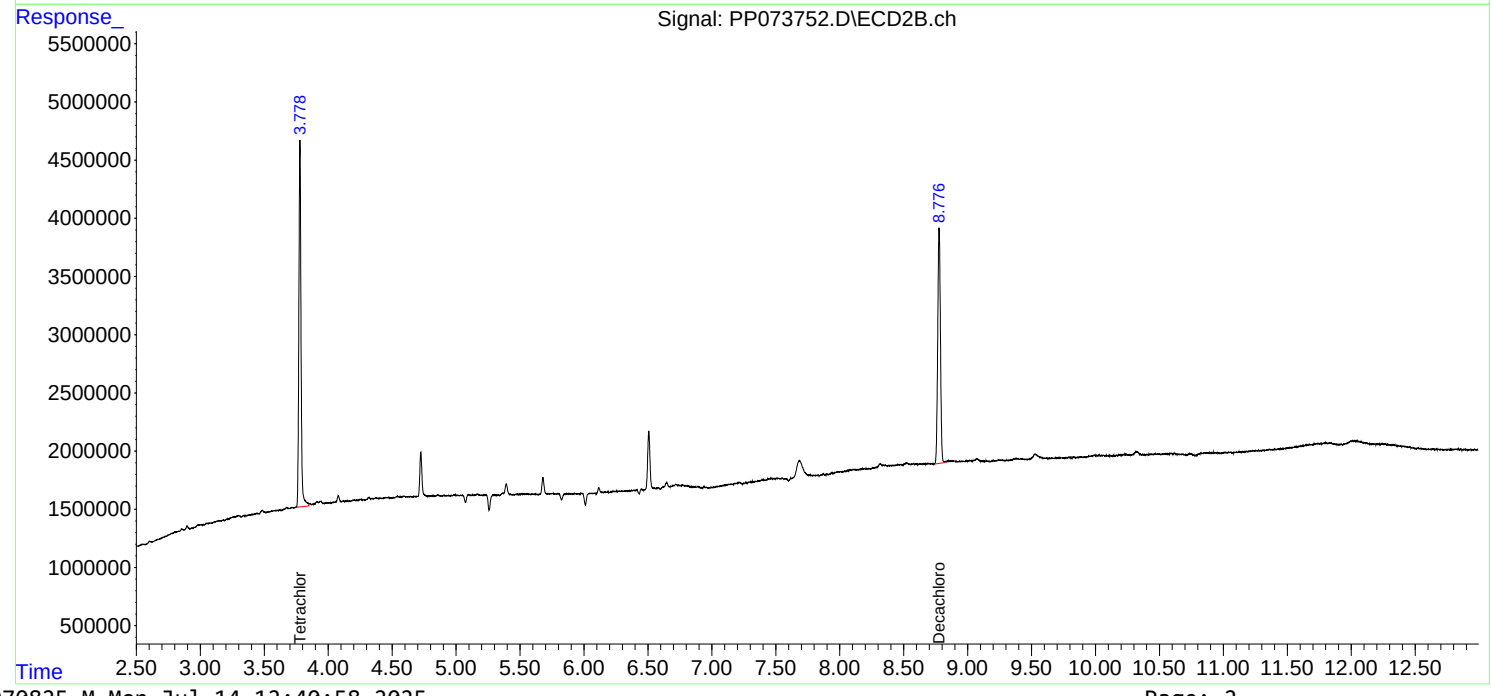
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 03:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

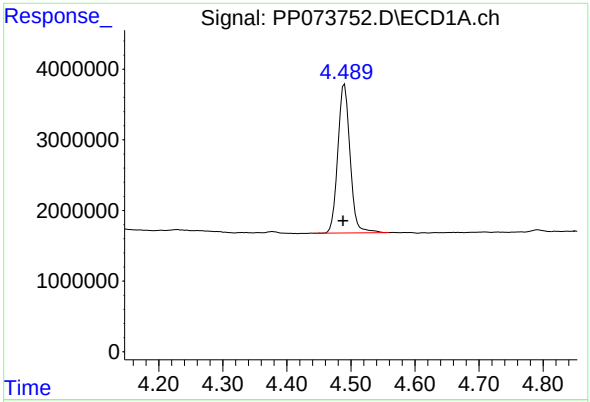
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 03:48:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



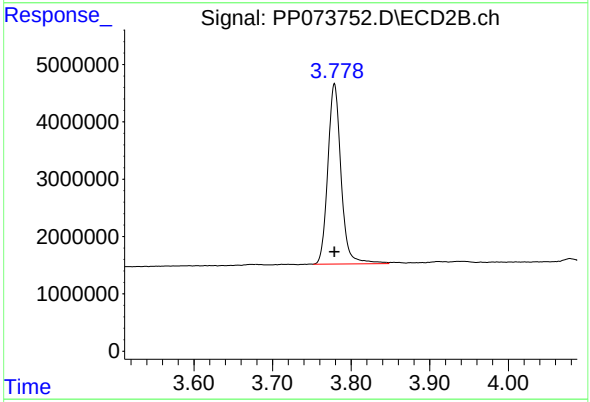




#1 Tetrachloro-m-xylene

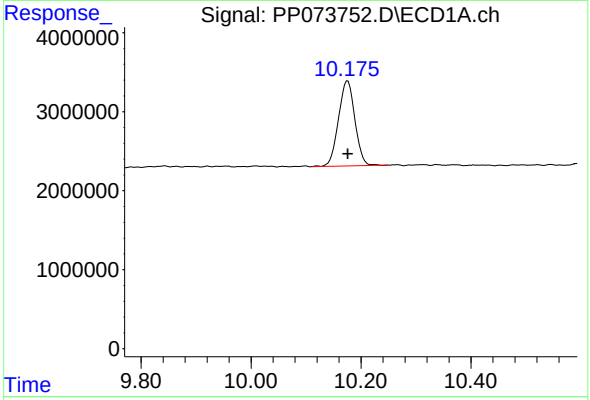
R.T.: 4.490 min
Delta R.T.: 0.002 min
Response: 27919852
Conc: 20.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



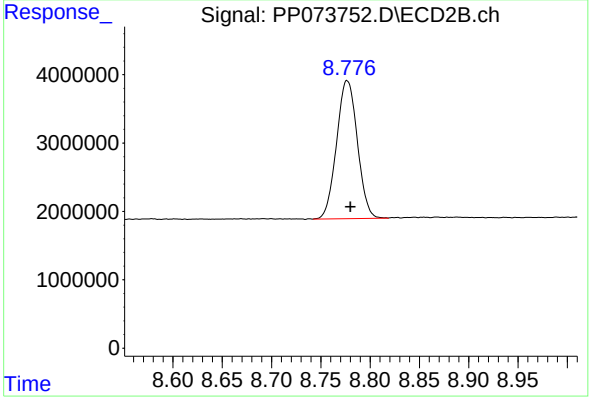
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 36740181
Conc: 19.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 22309091
Conc: 20.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.777 min
Delta R.T.: -0.004 min
Response: 29658803
Conc: 22.42 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:	07/14/25
Project:	Raymark Superfund Site	Date Received:	07/14/25
Client Sample ID:	PIBLK-PP073758.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PP073758.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
PP073758.D	1		07/14/25	PP071425

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	18.9		60 - 140		94%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		60 - 140		109%	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\PP071425\
Data File : PP073758.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 10:43
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: Jul 14 11:02:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.487	3.779	29704691	34761326	21.690	18.869
2)	SA Decachlor...	10.171	8.777	23815900	29111610	21.828	22.002
	Target Compounds						

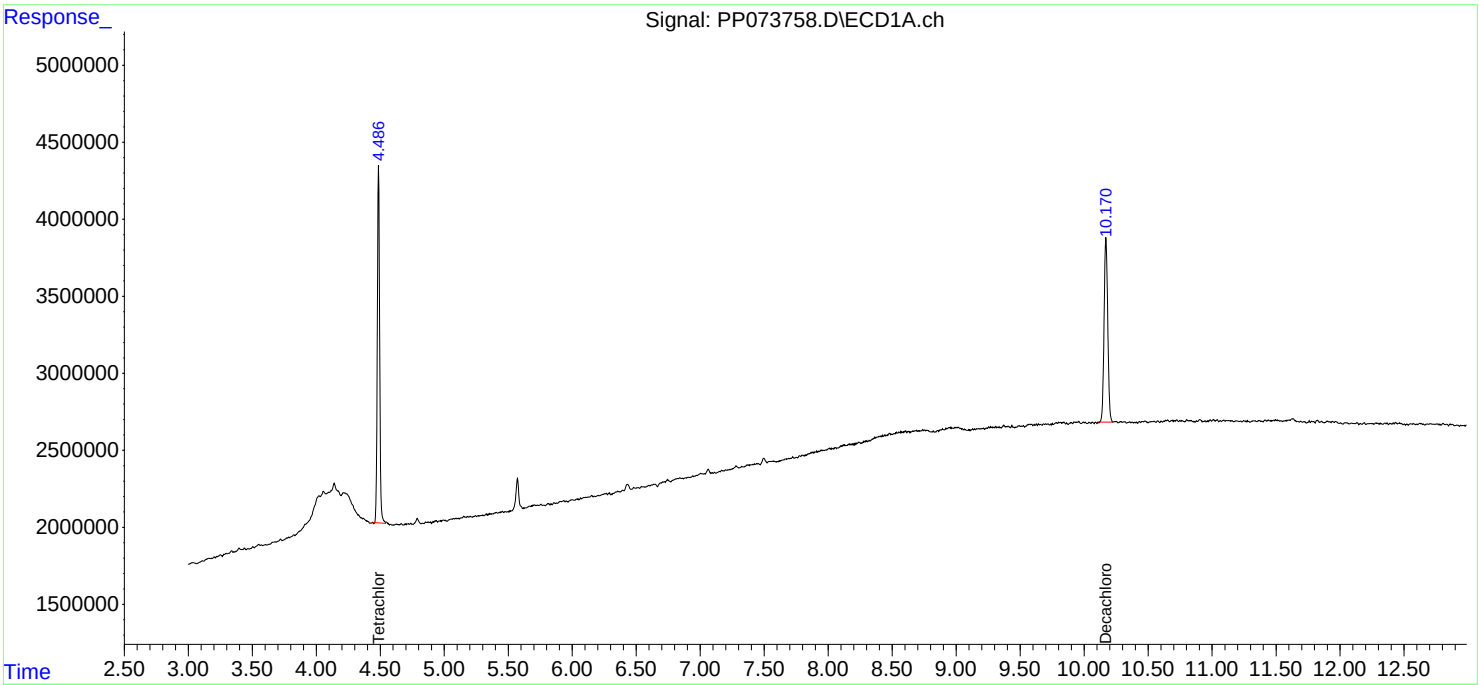
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

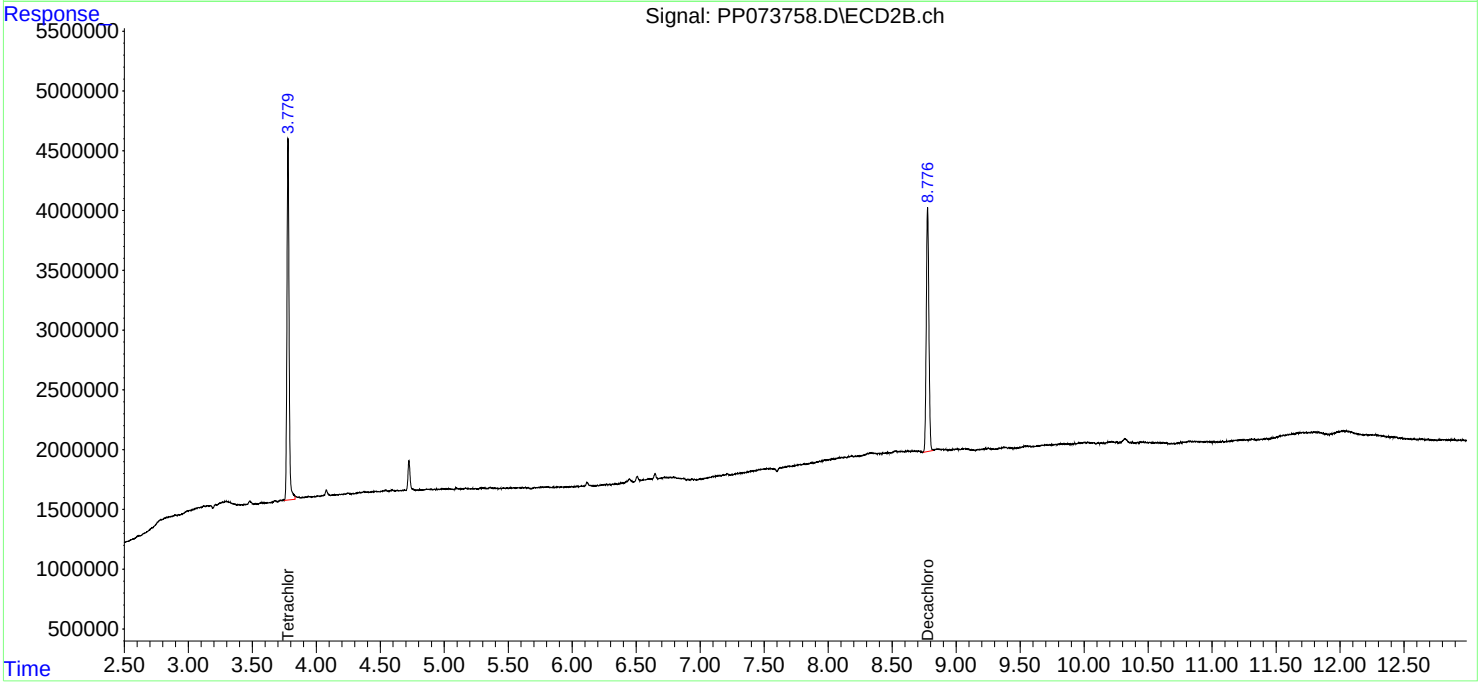
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071425\
Data File : PP073758.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 10:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

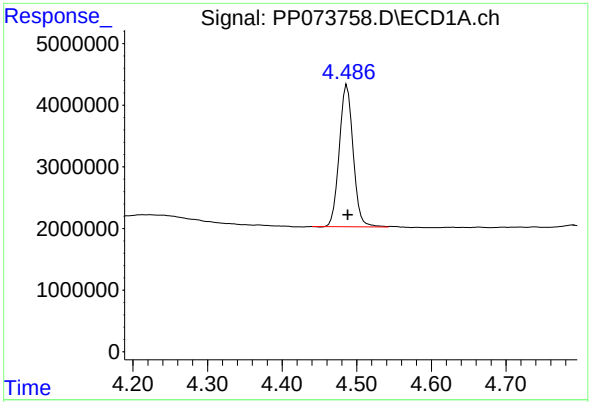
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 11:02:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



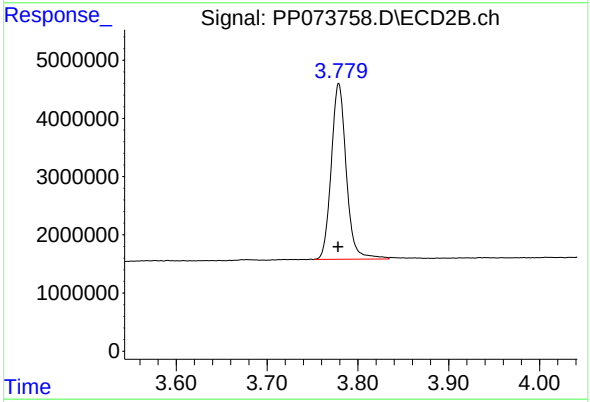




#1 Tetrachloro-m-xylene

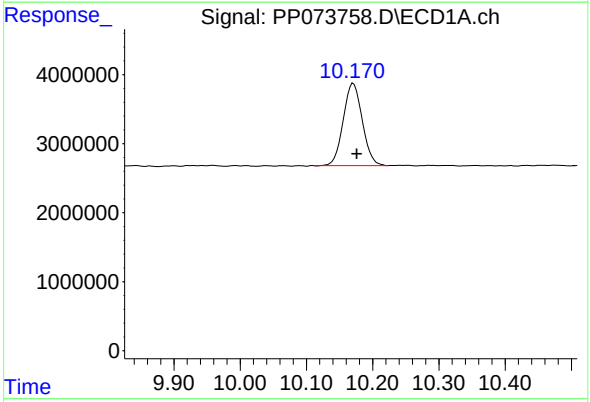
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 29704691
Conc: 21.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



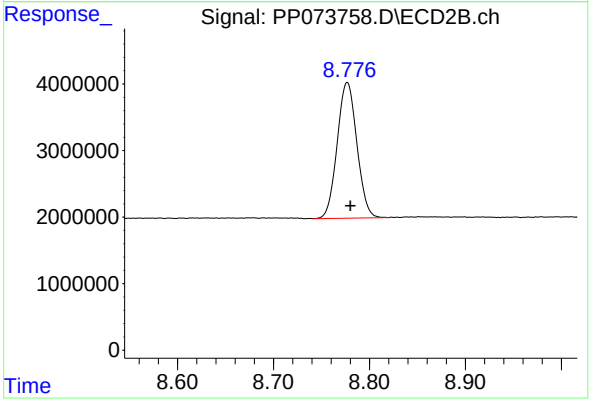
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 34761326
Conc: 18.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 23815900
Conc: 21.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.777 min
Delta R.T.: -0.003 min
Response: 29111610
Conc: 22.00 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:	07/14/25
Project:	Raymark Superfund Site	Date Received:	07/14/25
Client Sample ID:	PIBLK-PP073772.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PP073772.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
PP073772.D	1		07/14/25	pp071425

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	19.0		60 - 140		95%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 140		98%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071425\
Data File : PP073772.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 15:25
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: Jul 15 02:18:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.483	3.778	27444052	34938026	20.039	18.964
2)	SA Decachlor...	10.170	8.779	21404118	28117995	19.618	21.251
	Target Compounds						

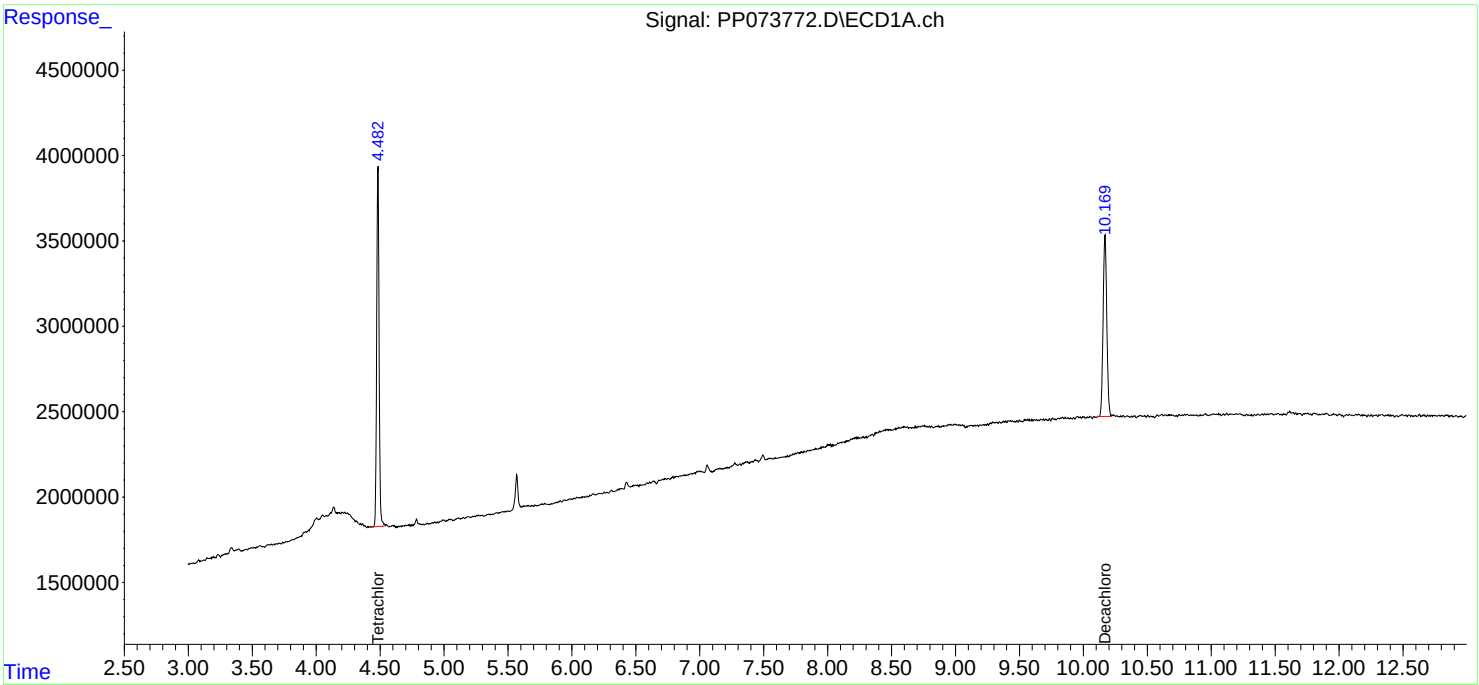
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

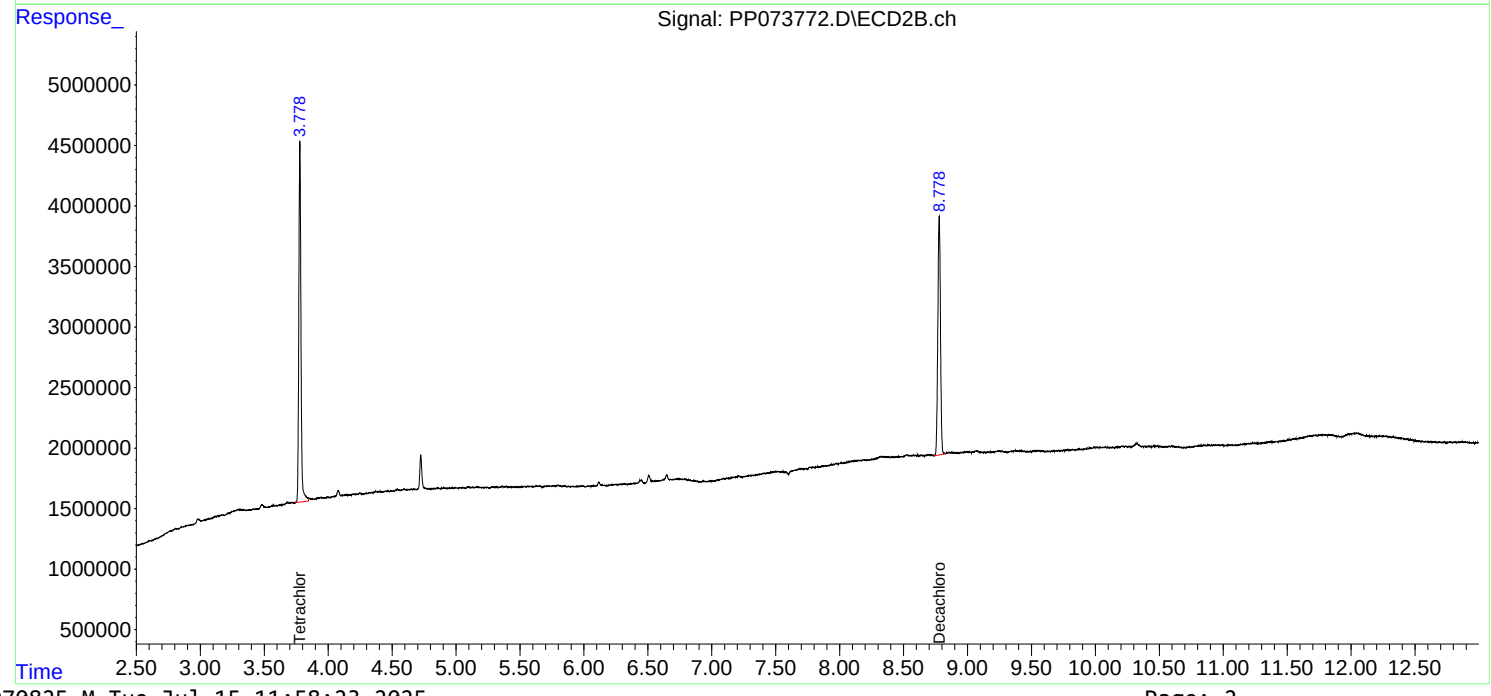
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071425\
Data File : PP073772.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 15:25
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

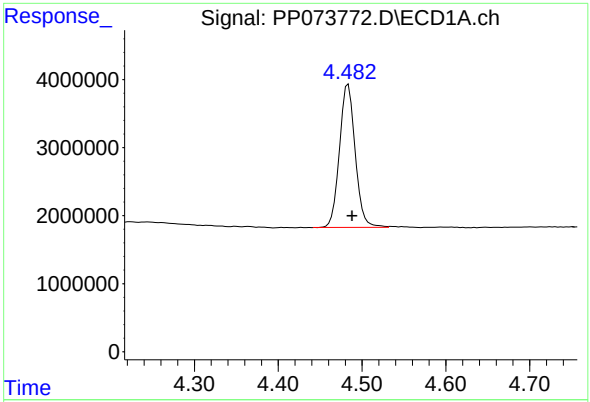
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 02:18:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



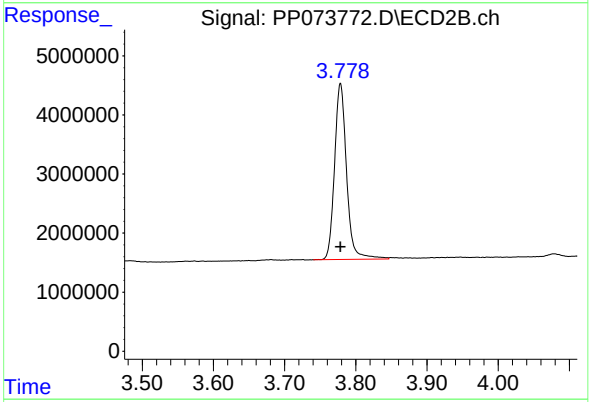




#1 Tetrachloro-m-xylene

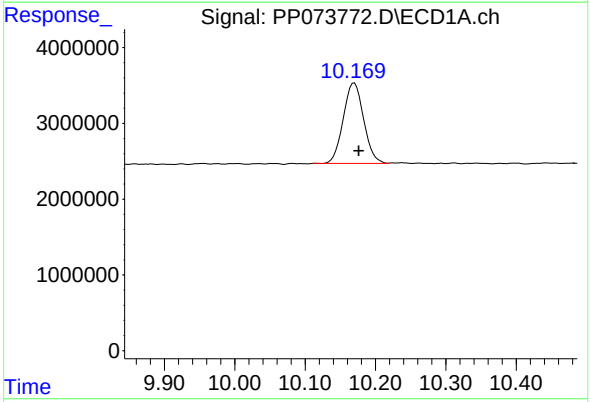
R.T.: 4.483 min
Delta R.T.: -0.005 min
Response: 27444052
Conc: 20.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



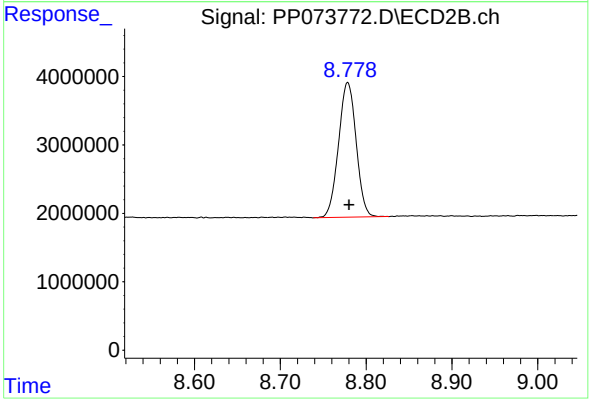
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 34938026
Conc: 18.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.170 min
Delta R.T.: -0.006 min
Response: 21404118
Conc: 19.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.779 min
Delta R.T.: -0.002 min
Response: 28117995
Conc: 21.25 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:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB168809BS		SDG No.:	Q2555	
Lab Sample ID:	PB168809BS		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073718.D	1	07/11/25 08:20	07/11/25 13:26	PB168809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	166		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	161		3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.4		44 - 130		102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		60 - 125		107%	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\PP071225\
Data File : PP073718.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:26
Operator : YP\AJ
Sample : PB168809BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168809BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.486	3.775	27955161	33635602	20.412	18.257
2)	SA Decachlor...	10.174	8.774	21532693	28286184	19.736	21.378
	Target Compounds						
3)	L1 AR-1016-1	5.638	4.853	22951370	31939497	483.049	468.495
4)	L1 AR-1016-2	5.659	4.870	35159253	48864714	493.706	479.609
5)	L1 AR-1016-3	5.721	5.047	21849386	26233555	500.409	484.852
6)	L1 AR-1016-4	5.818	5.088	18267277	20807345	508.193	474.178
7)	L1 AR-1016-5	6.110	5.302	15815322	26634798	504.791	487.973
31)	L7 AR-1260-1	7.227	6.332	30126587	49399803	510.956	506.351
32)	L7 AR-1260-2	7.481	6.521	42750057	61669079	446.057	502.038
33)	L7 AR-1260-3	7.839	6.672	30220970	54755188	413.586	500.213
34)	L7 AR-1260-4	8.063	7.141	29889708	41077892	457.730	459.441
35)	L7 AR-1260-5	8.381	7.385	66297085	99740740	439.482	443.812

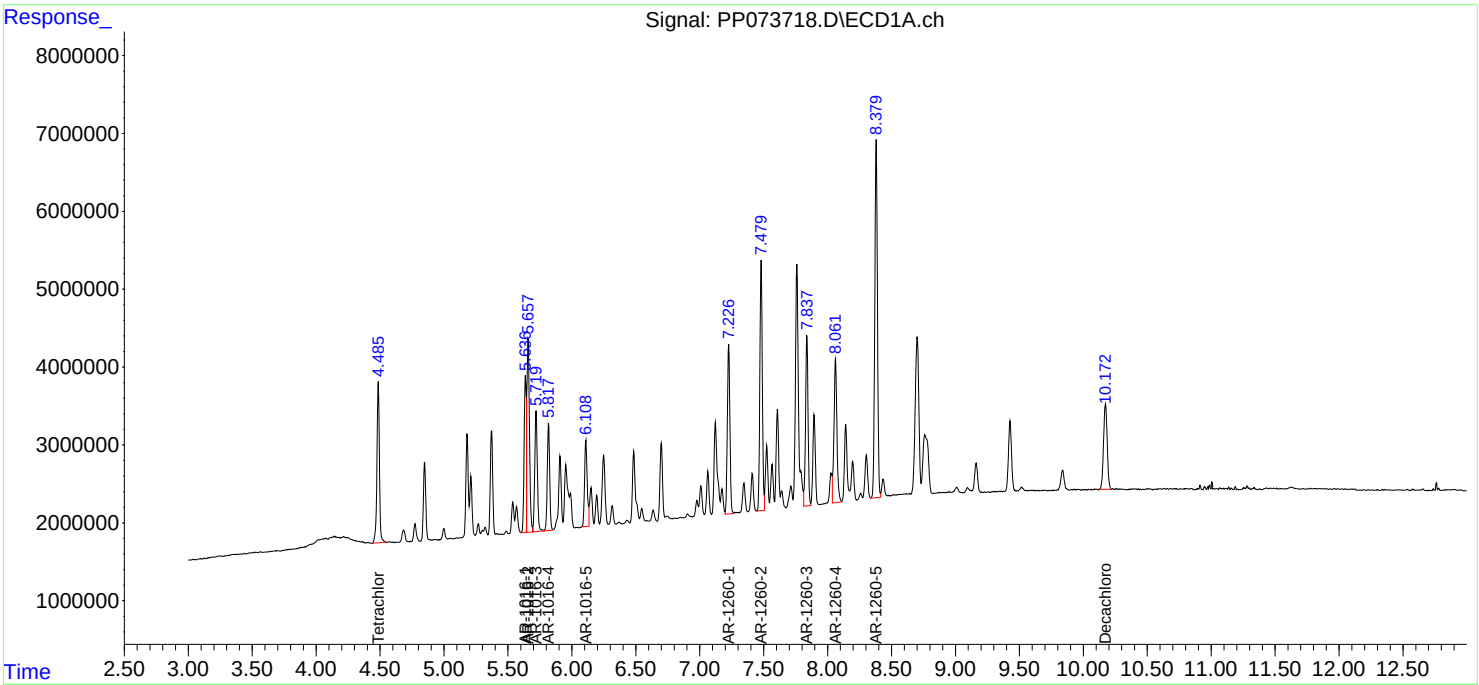
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

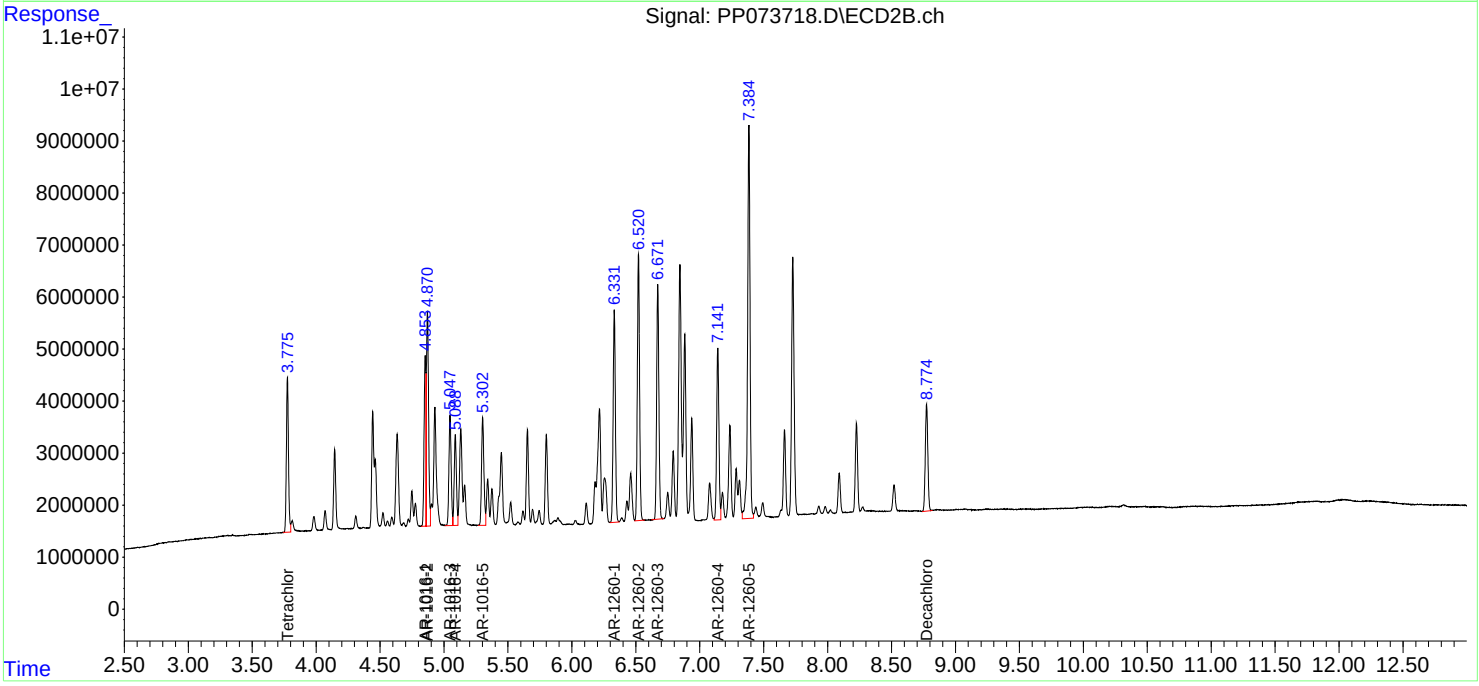
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073718.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:26
Operator : YP\AJ
Sample : PB168809BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

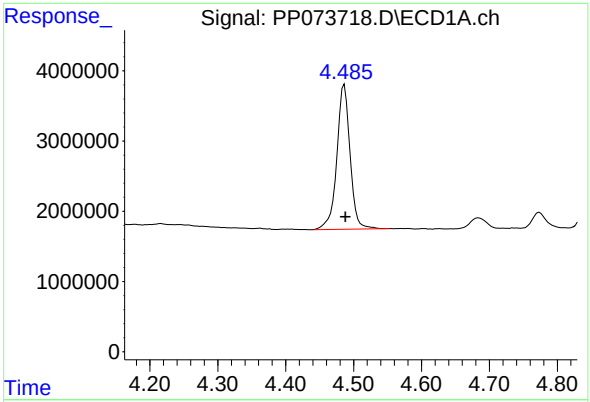
Instrument :
ECD_P
ClientSampleId :
PB168809BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



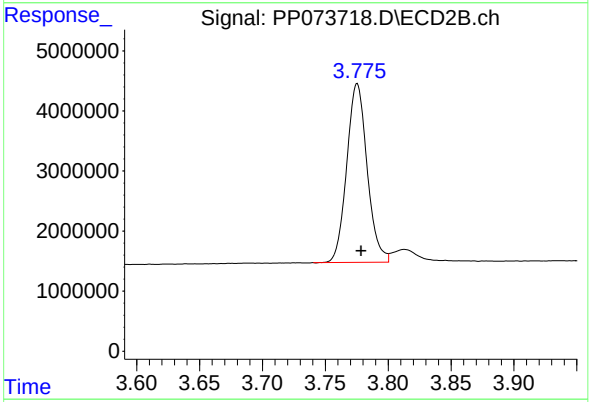




#1 Tetrachloro-m-xylene

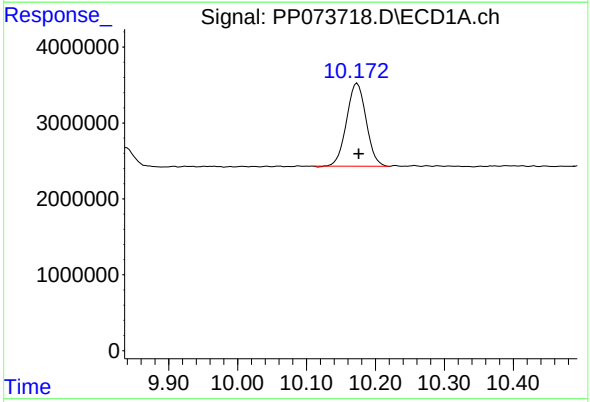
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 27955161
Conc: 20.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168809BS



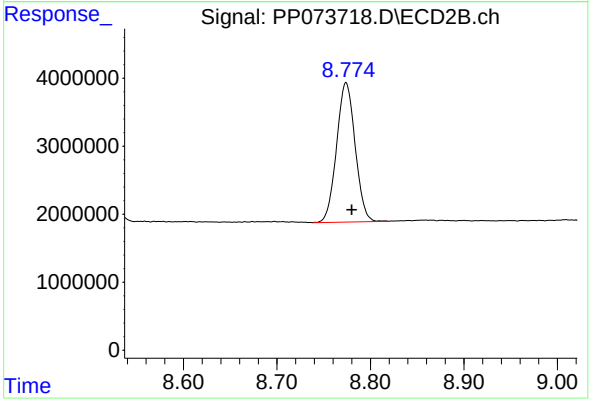
#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: -0.003 min
Response: 33635602
Conc: 18.26 ng/ml



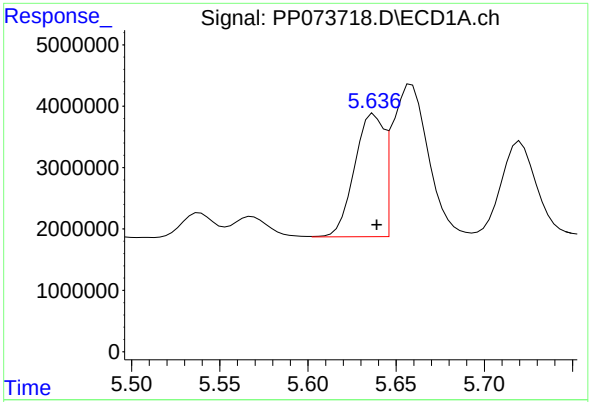
#2 Decachlorobiphenyl

R.T.: 10.174 min
Delta R.T.: -0.002 min
Response: 21532693
Conc: 19.74 ng/ml



#2 Decachlorobiphenyl

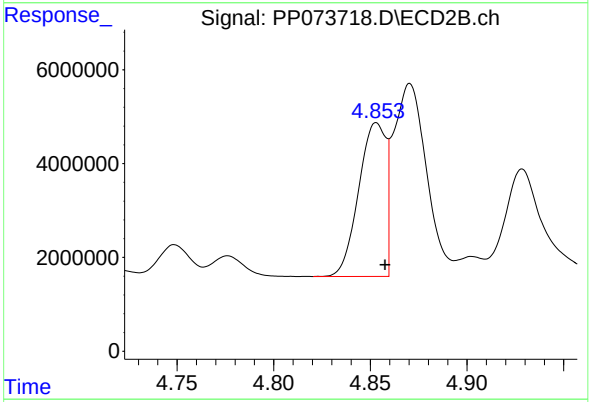
R.T.: 8.774 min
Delta R.T.: -0.006 min
Response: 28286184
Conc: 21.38 ng/ml



#3 AR-1016-1

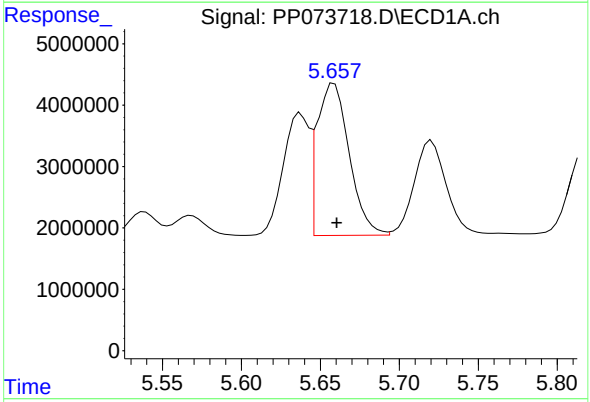
R.T.: 5.638 min
Delta R.T.: -0.001 min
Response: 22951370
Conc: 483.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168809BS



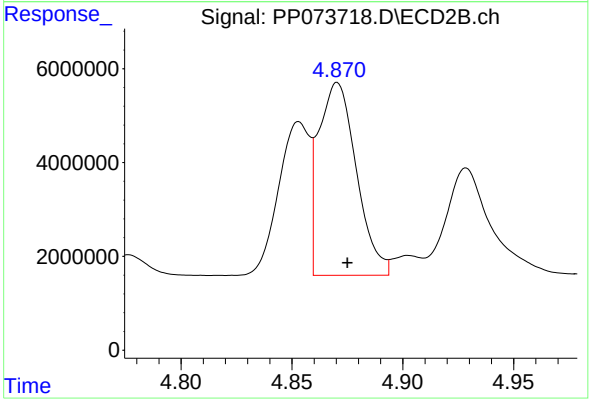
#3 AR-1016-1

R.T.: 4.853 min
Delta R.T.: -0.004 min
Response: 31939497
Conc: 468.49 ng/ml



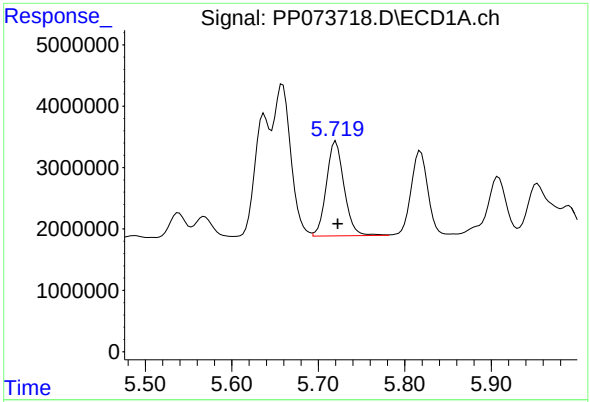
#4 AR-1016-2

R.T.: 5.659 min
Delta R.T.: -0.002 min
Response: 35159253
Conc: 493.71 ng/ml



#4 AR-1016-2

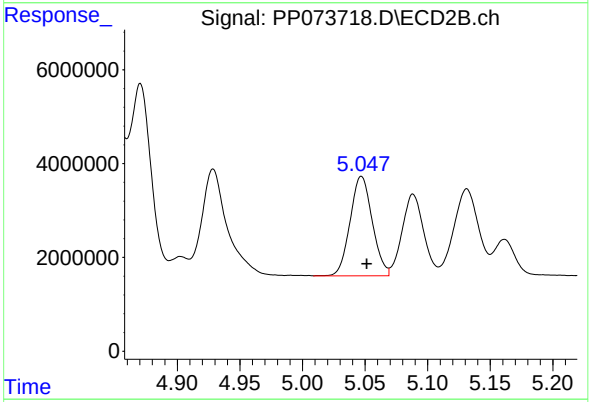
R.T.: 4.870 min
Delta R.T.: -0.005 min
Response: 48864714
Conc: 479.61 ng/ml



#5 AR-1016-3

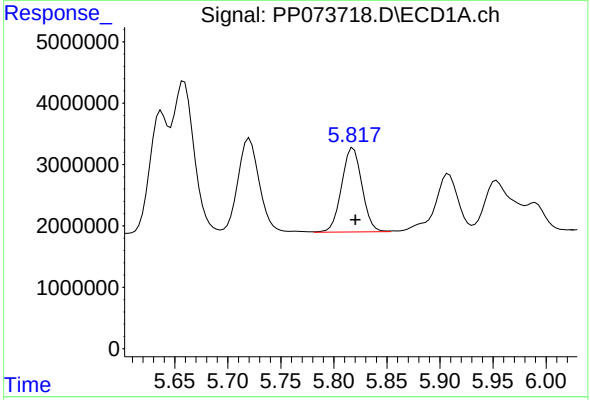
R.T.: 5.721 min
Delta R.T.: -0.002 min
Response: 21849386
Conc: 500.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168809BS



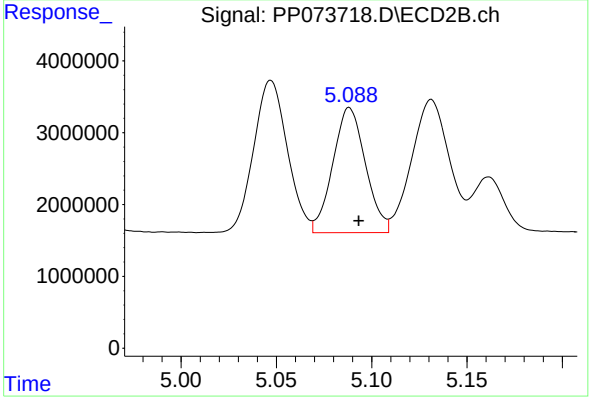
#5 AR-1016-3

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 26233555
Conc: 484.85 ng/ml



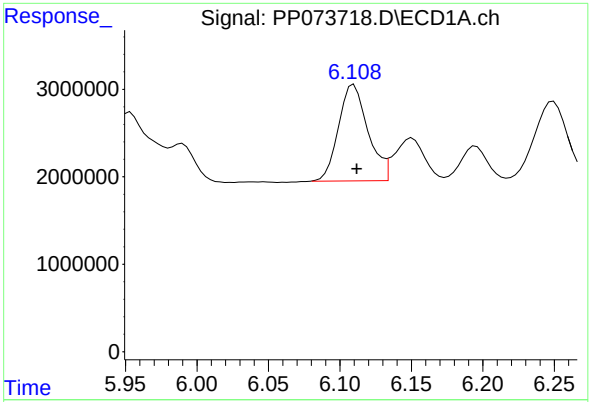
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 18267277
Conc: 508.19 ng/ml



#6 AR-1016-4

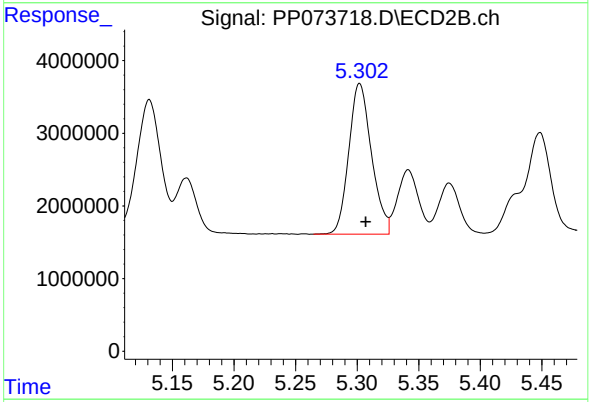
R.T.: 5.088 min
Delta R.T.: -0.005 min
Response: 20807345
Conc: 474.18 ng/ml



#7 AR-1016-5

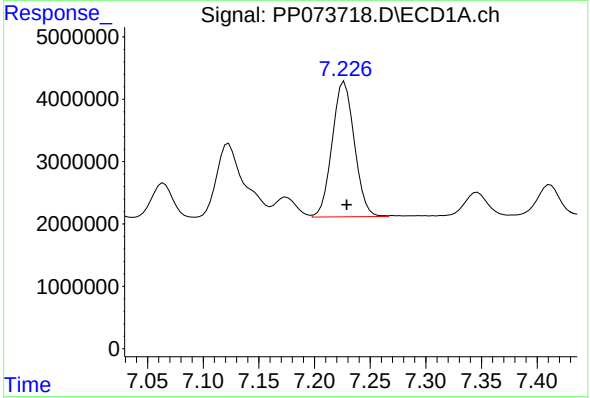
R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 15815322
Conc: 504.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168809BS



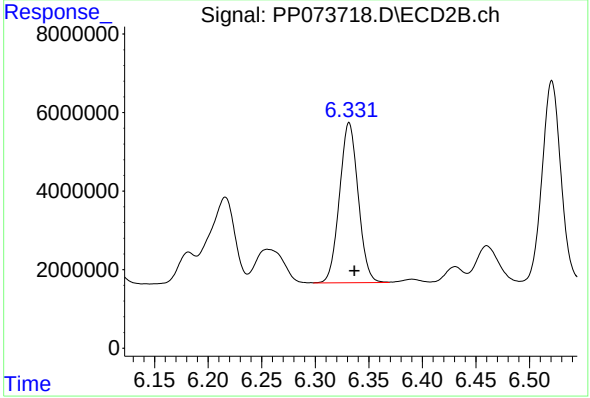
#7 AR-1016-5

R.T.: 5.302 min
Delta R.T.: -0.005 min
Response: 26634798
Conc: 487.97 ng/ml



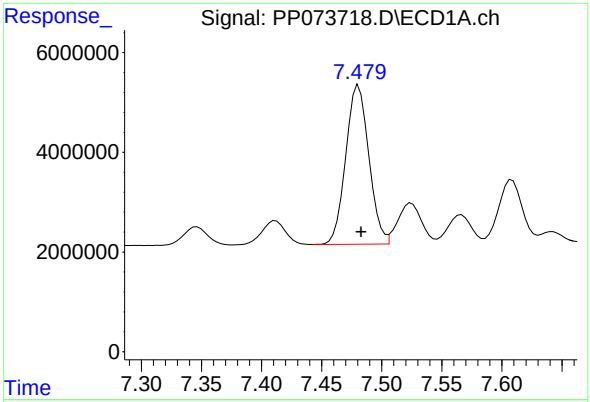
#31 AR-1260-1

R.T.: 7.227 min
Delta R.T.: -0.002 min
Response: 30126587
Conc: 510.96 ng/ml



#31 AR-1260-1

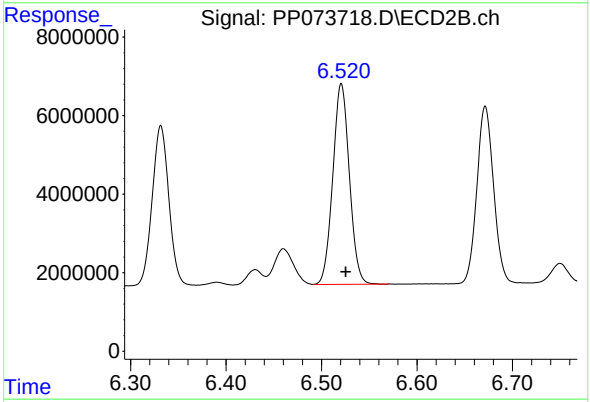
R.T.: 6.332 min
Delta R.T.: -0.005 min
Response: 49399803
Conc: 506.35 ng/ml



#32 AR-1260-2

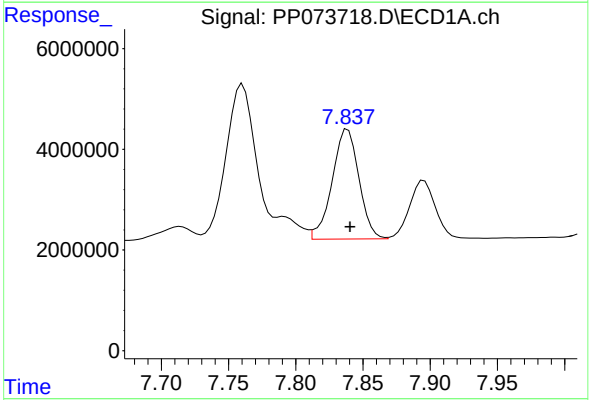
R.T.: 7.481 min
Delta R.T.: -0.002 min
Response: 42750057
Conc: 446.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168809BS



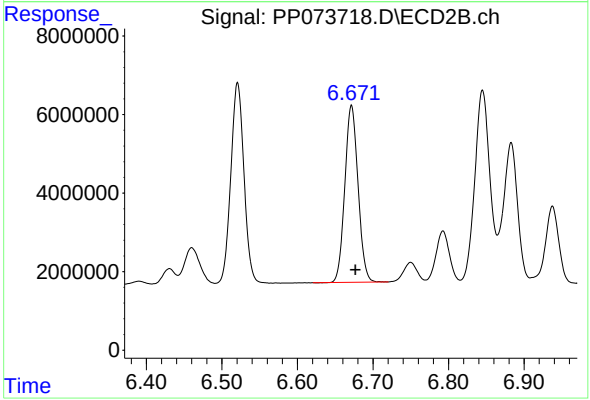
#32 AR-1260-2

R.T.: 6.521 min
Delta R.T.: -0.004 min
Response: 61669079
Conc: 502.04 ng/ml



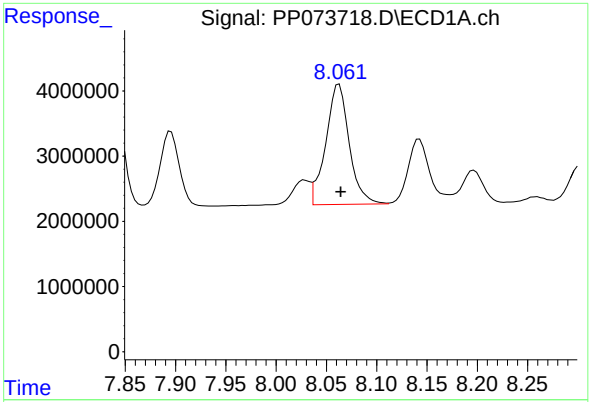
#33 AR-1260-3

R.T.: 7.839 min
Delta R.T.: -0.002 min
Response: 30220970
Conc: 413.59 ng/ml



#33 AR-1260-3

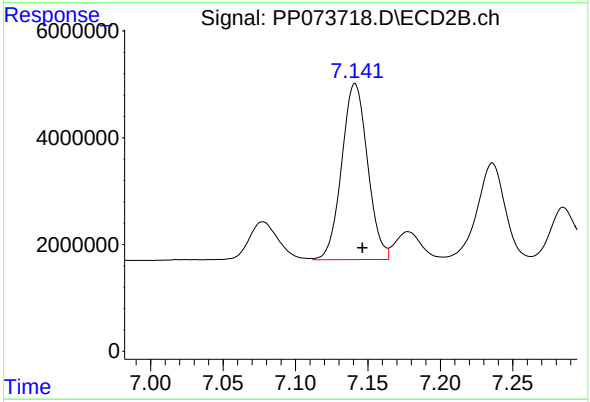
R.T.: 6.672 min
Delta R.T.: -0.005 min
Response: 54755188
Conc: 500.21 ng/ml



#34 AR-1260-4

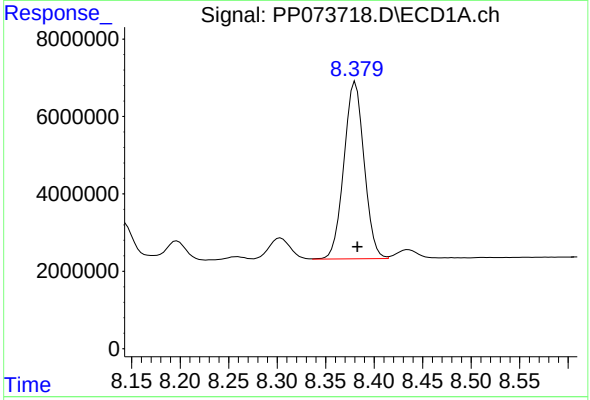
R.T.: 8.063 min
Delta R.T.: -0.002 min
Response: 29889708
Conc: 457.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168809BS



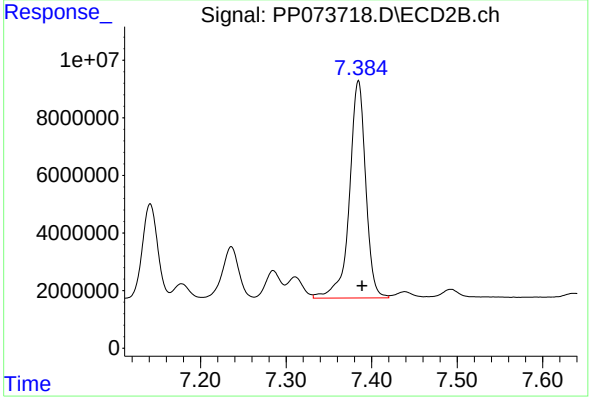
#34 AR-1260-4

R.T.: 7.141 min
Delta R.T.: -0.005 min
Response: 41077892
Conc: 459.44 ng/ml



#35 AR-1260-5

R.T.: 8.381 min
Delta R.T.: -0.002 min
Response: 66297085
Conc: 439.48 ng/ml



#35 AR-1260-5

R.T.: 7.385 min
Delta R.T.: -0.004 min
Response: 99740740
Conc: 443.81 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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925MS	SDG No.:	Q2555
Lab Sample ID:	Q2555-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	74.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073720.D	1	07/11/25 08:20	07/11/25 13:59	PB168809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	179		5.30	11.2	22.9	ug/kg
11104-28-2	Aroclor-1221	17.5	U	5.40	17.5	22.9	ug/kg
11141-16-5	Aroclor-1232	11.2	U	5.00	11.2	22.9	ug/kg
53469-21-9	Aroclor-1242	11.2	U	5.40	11.2	22.9	ug/kg
12672-29-6	Aroclor-1248	17.5	U	8.00	17.5	22.9	ug/kg
11097-69-1	Aroclor-1254	11.2	U	4.30	11.2	22.9	ug/kg
37324-23-5	Aroclor-1262	17.5	U	6.80	17.5	22.9	ug/kg
11100-14-4	Aroclor-1268	11.2	U	4.90	11.2	22.9	ug/kg
11096-82-5	Aroclor-1260	163		4.40	11.2	22.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.1		44 - 130		86%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.0		60 - 125		70%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073720.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:59
Operator : YP\AJ
Sample : Q2555-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.487	3.778	23416220	28483420	17.098	15.461
2)	SA Decachlor...	10.173	8.777	13937143	18511138	12.774	13.990m
	Target Compounds						
3)	L1 AR-1016-1	5.638	4.855	17661073	25080131	371.706	367.880
4)	L1 AR-1016-2	5.659	4.873	27876169	38362194	391.437	376.527
5)	L1 AR-1016-3	5.721	5.050	17027811	20996161	389.982	388.054
6)	L1 AR-1016-4	5.818	5.092	16382289	16573374	455.753	377.690
7)	L1 AR-1016-5	6.109	5.305	12029199	20840592	383.946m	381.818
31)	L7 AR-1260-1	7.226	6.335	23160918	38074952	392.816m	390.271
32)	L7 AR-1260-2	7.481	6.524	33468668	47494878	349.214	386.648m
33)	L7 AR-1260-3	7.839	6.675	21683026	39996025	296.741	365.381
34)	L7 AR-1260-4	8.062	7.143	22102777	30801258	338.481	344.501
35)	L7 AR-1260-5	8.380	7.387	46910835	72666578	310.971	323.341

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073720.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:59
Operator : YP\AJ
Sample : Q2555-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

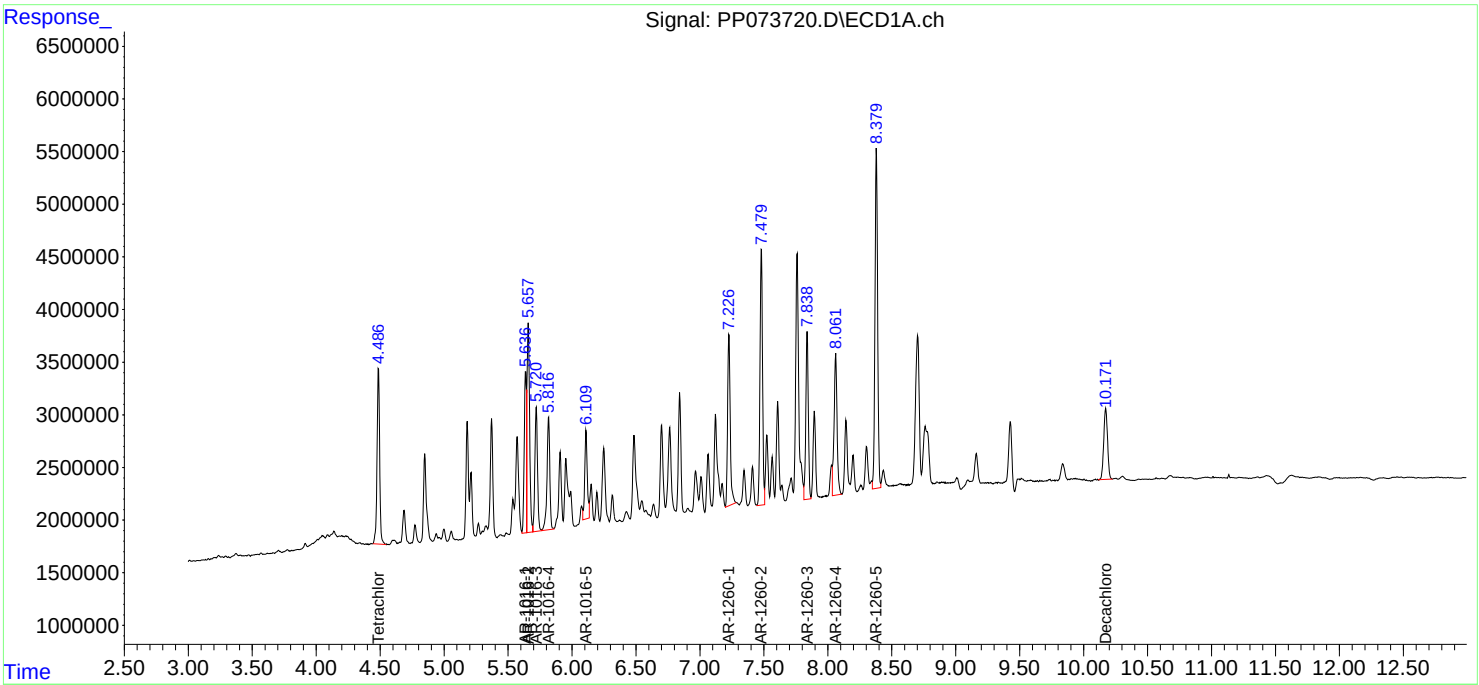
Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

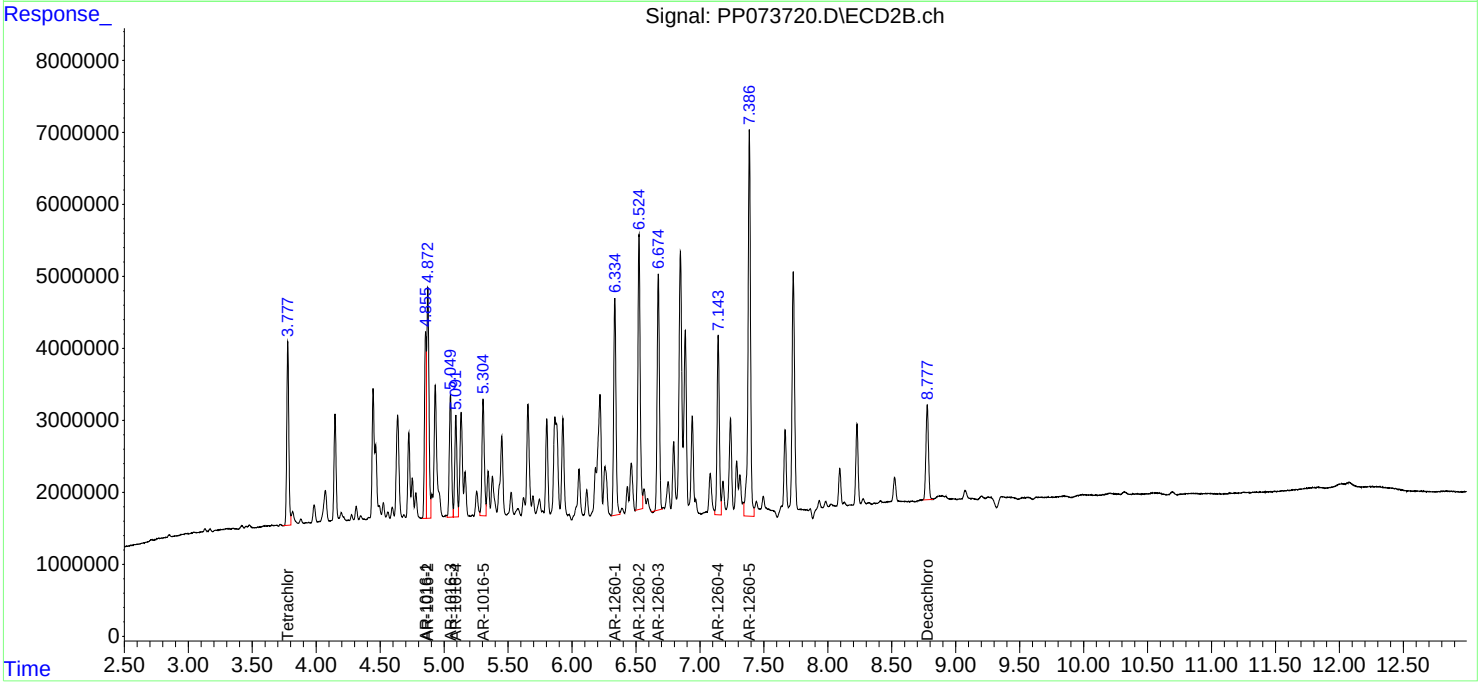
Manual Integrations APPROVED

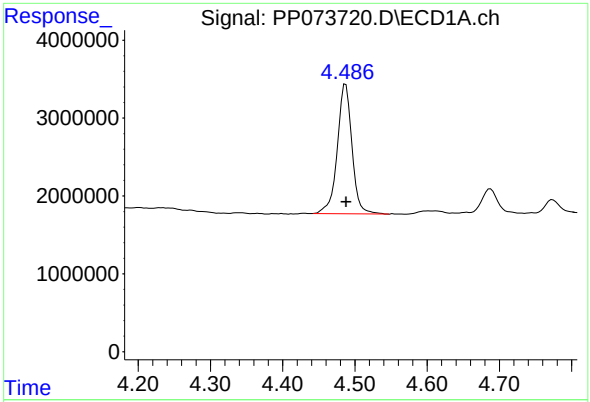
Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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







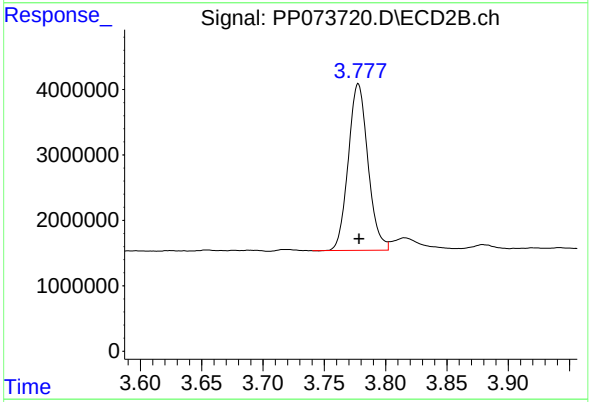
#1 Tetrachloro-m-xylene

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 23416220
Conc: 17.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

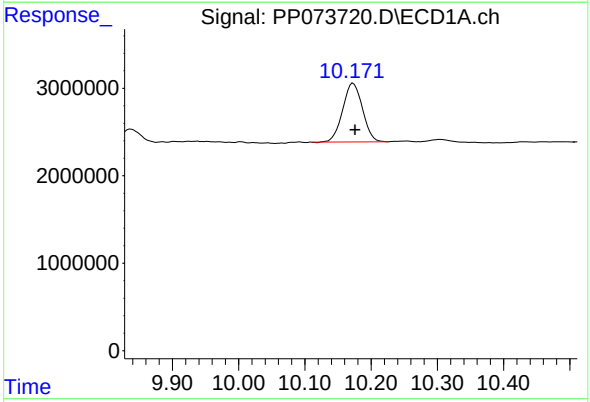
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



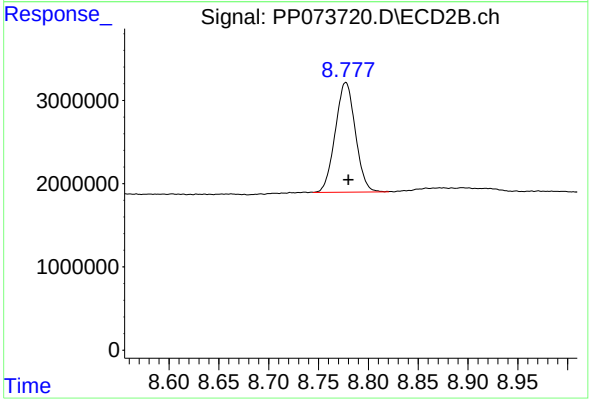
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 28483420
Conc: 15.46 ng/ml



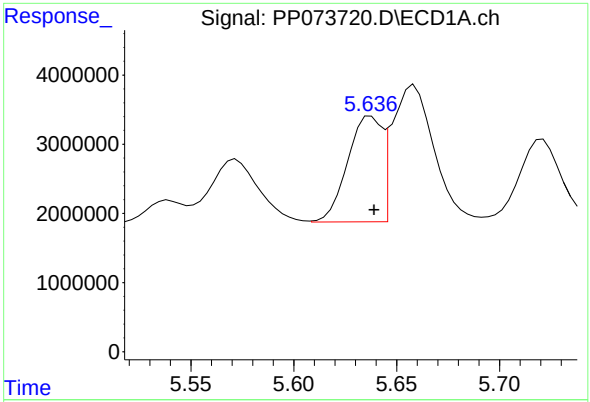
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: -0.003 min
Response: 13937143
Conc: 12.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.777 min
Delta R.T.: -0.003 min
Response: 18511138
Conc: 13.99 ng/ml m



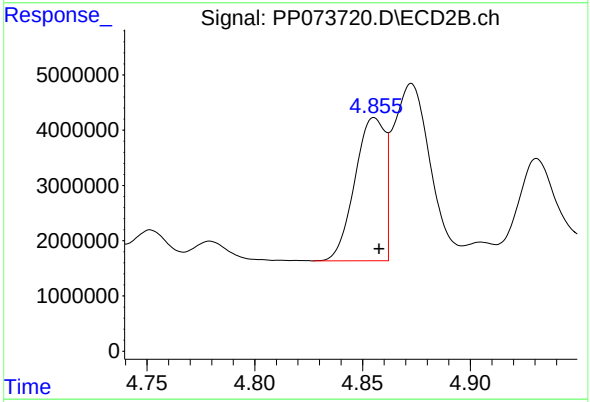
#3 AR-1016-1

R.T.: 5.638 min
Delta R.T.: -0.001 min
Response: 17661073
Conc: 371.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

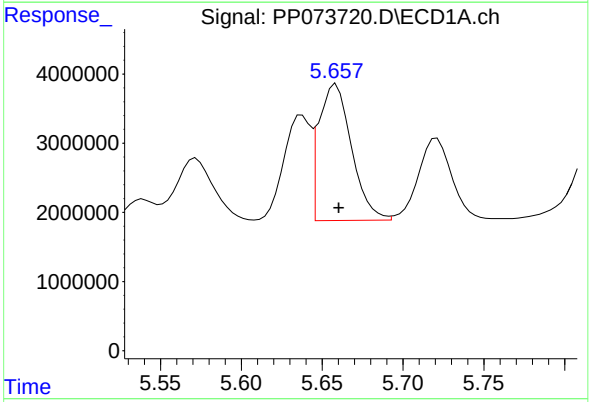
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



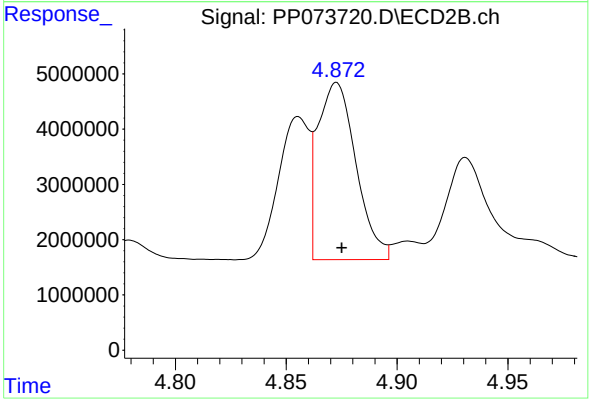
#3 AR-1016-1

R.T.: 4.855 min
Delta R.T.: -0.002 min
Response: 25080131
Conc: 367.88 ng/ml



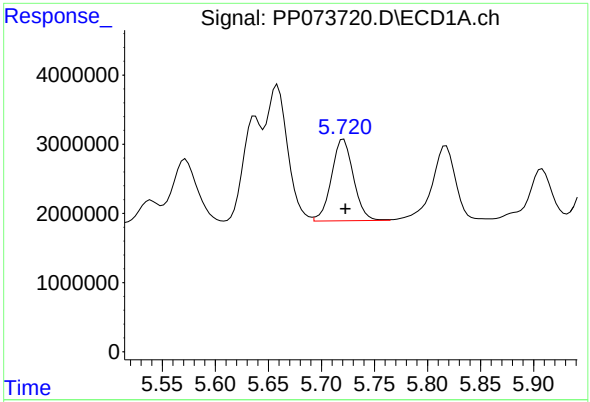
#4 AR-1016-2

R.T.: 5.659 min
Delta R.T.: -0.002 min
Response: 27876169
Conc: 391.44 ng/ml



#4 AR-1016-2

R.T.: 4.873 min
Delta R.T.: -0.002 min
Response: 38362194
Conc: 376.53 ng/ml



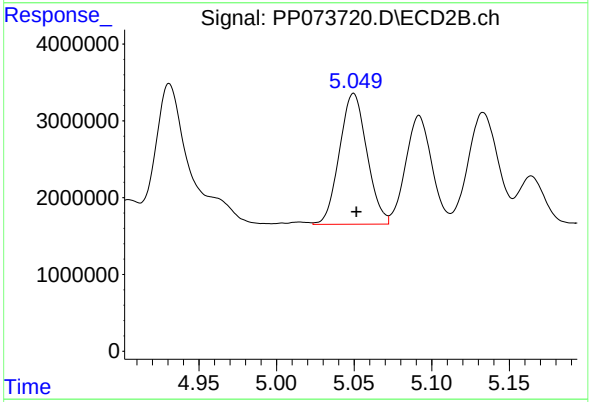
#5 AR-1016-3

R.T.: 5.721 min
Delta R.T.: -0.002 min
Response: 17027811
Conc: 389.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

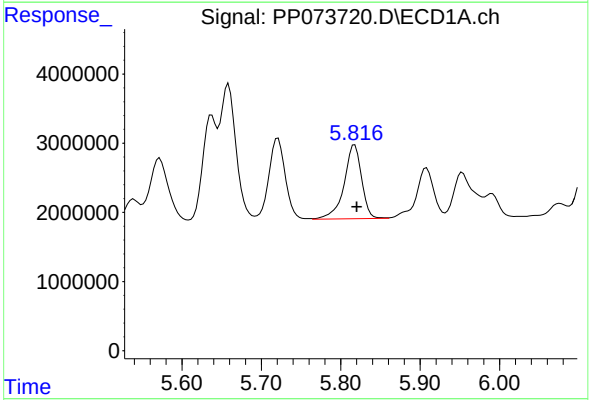
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



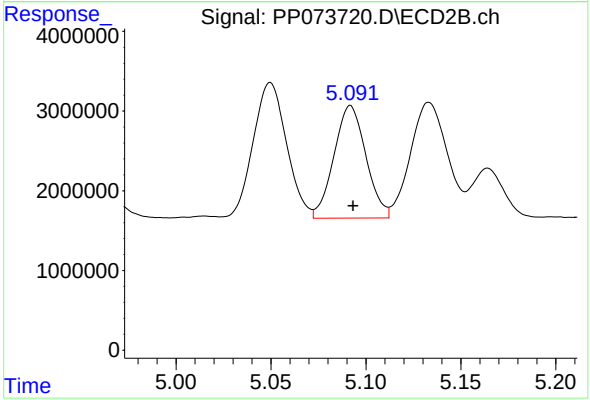
#5 AR-1016-3

R.T.: 5.050 min
Delta R.T.: -0.002 min
Response: 20996161
Conc: 388.05 ng/ml



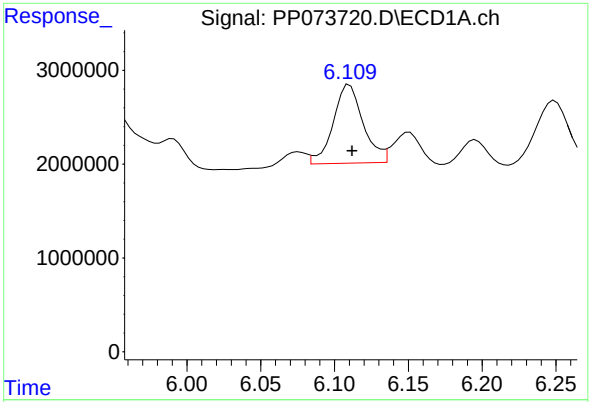
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.003 min
Response: 16382289
Conc: 455.75 ng/ml



#6 AR-1016-4

R.T.: 5.092 min
Delta R.T.: -0.001 min
Response: 16573374
Conc: 377.69 ng/ml



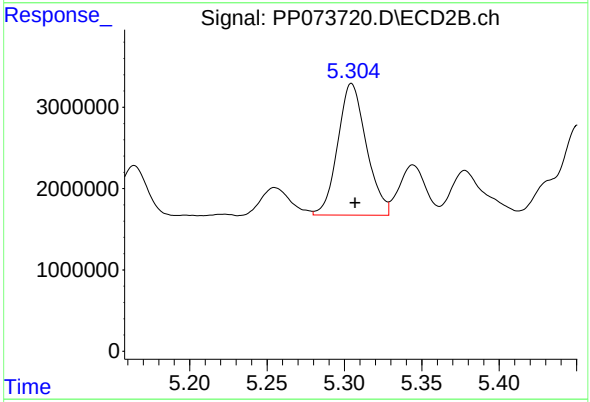
#7 AR-1016-5

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 12029199
Conc: 383.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

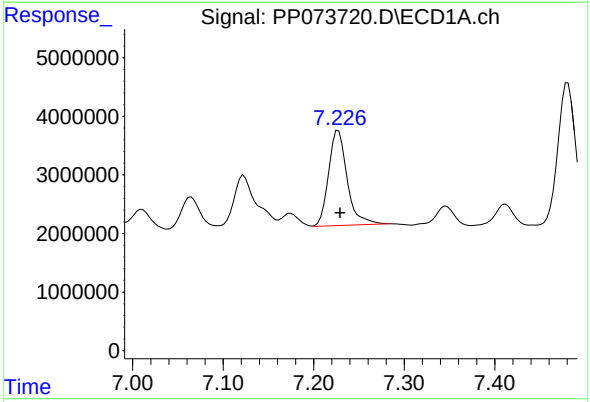
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



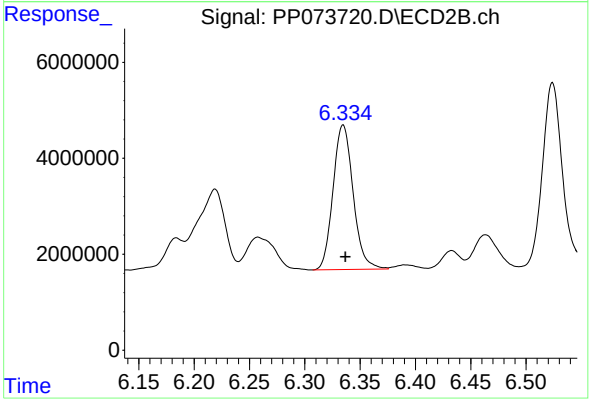
#7 AR-1016-5

R.T.: 5.305 min
Delta R.T.: -0.002 min
Response: 20840592
Conc: 381.82 ng/ml



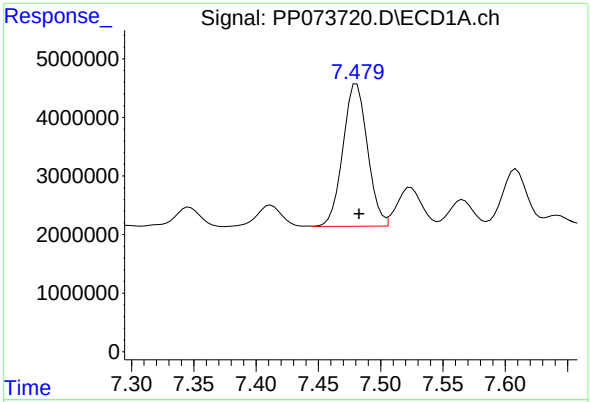
#31 AR-1260-1

R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 23160918
Conc: 392.82 ng/ml m



#31 AR-1260-1

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 38074952
Conc: 390.27 ng/ml



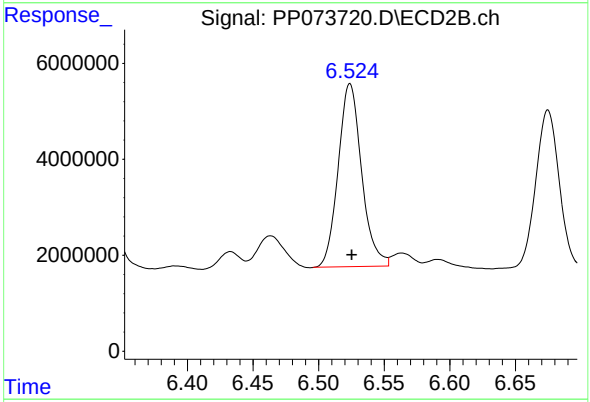
#32 AR-1260-2

R.T.: 7.481 min
Delta R.T.: -0.002 min
Response: 33468668
Conc: 349.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

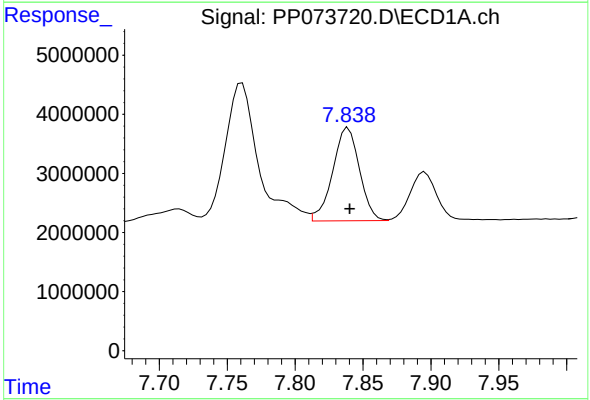
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



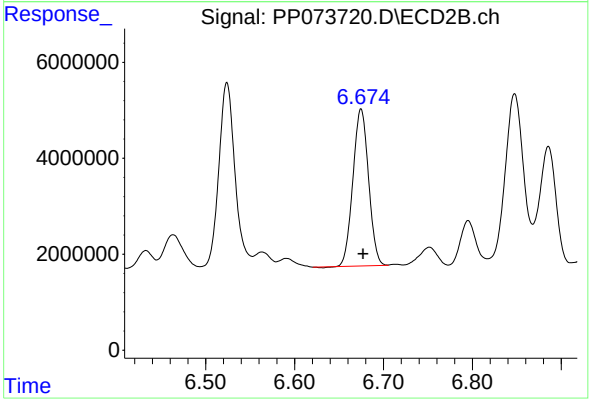
#32 AR-1260-2

R.T.: 6.524 min
Delta R.T.: -0.002 min
Response: 47494878
Conc: 386.65 ng/ml m



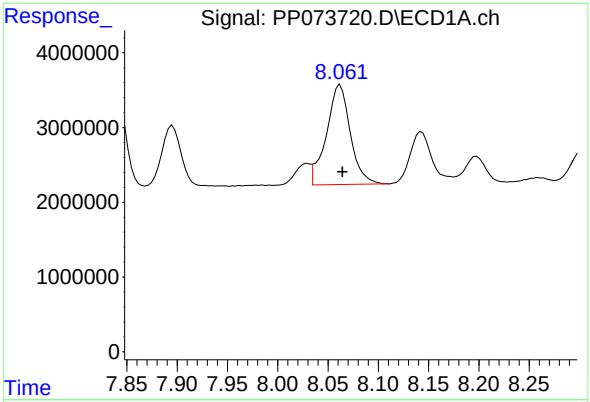
#33 AR-1260-3

R.T.: 7.839 min
Delta R.T.: -0.001 min
Response: 21683026
Conc: 296.74 ng/ml



#33 AR-1260-3

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 39996025
Conc: 365.38 ng/ml



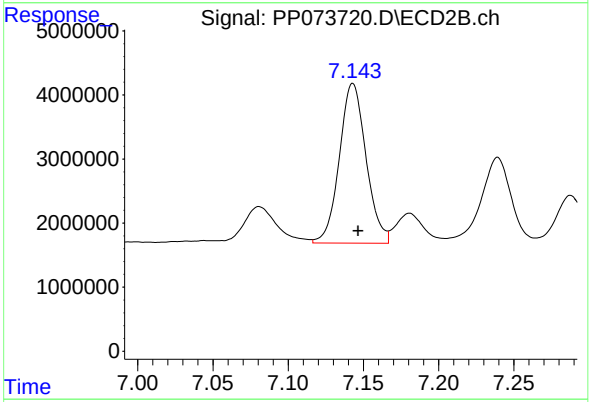
#34 AR-1260-4

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 22102777
Conc: 338.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

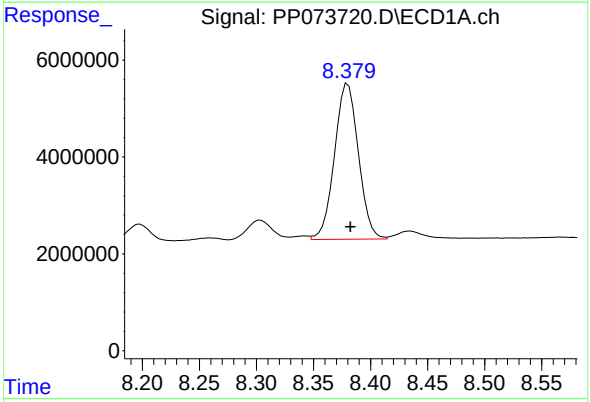
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



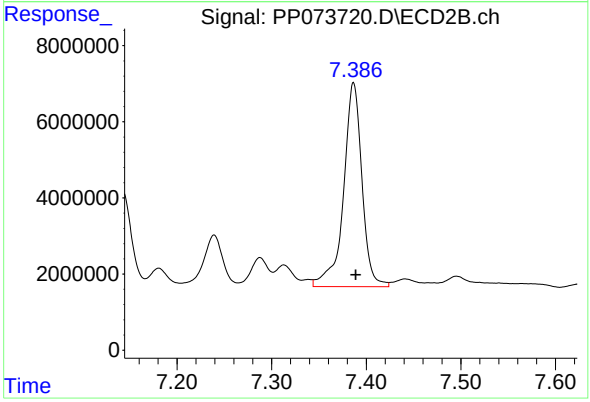
#34 AR-1260-4

R.T.: 7.143 min
Delta R.T.: -0.003 min
Response: 30801258
Conc: 344.50 ng/ml



#35 AR-1260-5

R.T.: 8.380 min
Delta R.T.: -0.002 min
Response: 46910835
Conc: 310.97 ng/ml



#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: -0.002 min
Response: 72666578
Conc: 323.34 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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925MSD	SDG No.:	Q2555
Lab Sample ID:	Q2555-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	74.1 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
PP073747.D	1	07/11/25 08:20	07/12/25 00:38	PB168809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	192		5.30	11.2	22.9	ug/kg
11104-28-2	Aroclor-1221	17.5	U	5.40	17.5	22.9	ug/kg
11141-16-5	Aroclor-1232	11.2	U	5.00	11.2	22.9	ug/kg
53469-21-9	Aroclor-1242	11.2	U	5.40	11.2	22.9	ug/kg
12672-29-6	Aroclor-1248	17.5	U	8.00	17.5	22.9	ug/kg
11097-69-1	Aroclor-1254	11.2	U	4.30	11.2	22.9	ug/kg
37324-23-5	Aroclor-1262	17.5	U	6.80	17.5	22.9	ug/kg
11100-14-4	Aroclor-1268	11.2	U	4.80	11.2	22.9	ug/kg
11096-82-5	Aroclor-1260	169		4.30	11.2	22.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.8		44 - 130		89%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.2		60 - 125		76%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:38
Operator : YP\AJ
Sample : Q2555-01MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:10:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.490	3.780	24437496	30506744	17.844	16.559
2)	SA Decachlor...	10.174	8.778	14490996	20083384	13.282	15.178
	Target Compounds						
3)	L1 AR-1016-1	5.640	4.857	18820042	26886970	396.098	394.383
4)	L1 AR-1016-2	5.662	4.874	28849905	41917338	405.111	411.421
5)	L1 AR-1016-3	5.723	5.051	17894428	22551969	409.830	416.808
6)	L1 AR-1016-4	5.821	5.093	17144451	17861695	476.956	407.050
7)	L1 AR-1016-5	6.111	5.306	14097335	22507262	449.957m	412.353
31)	L7 AR-1260-1	7.229	6.336	23611710	40103341	400.462	411.062
32)	L7 AR-1260-2	7.482	6.524	35449905	47019348	369.887	382.777
33)	L7 AR-1260-3	7.841	6.676	22770832	42210035	311.628	385.607
34)	L7 AR-1260-4	8.064	7.145	23296444	31804953	356.761	355.727
35)	L7 AR-1260-5	8.381	7.387	48716836	77961466	322.943	346.901

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:38
Operator : YP\AJ
Sample : Q2555-01MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

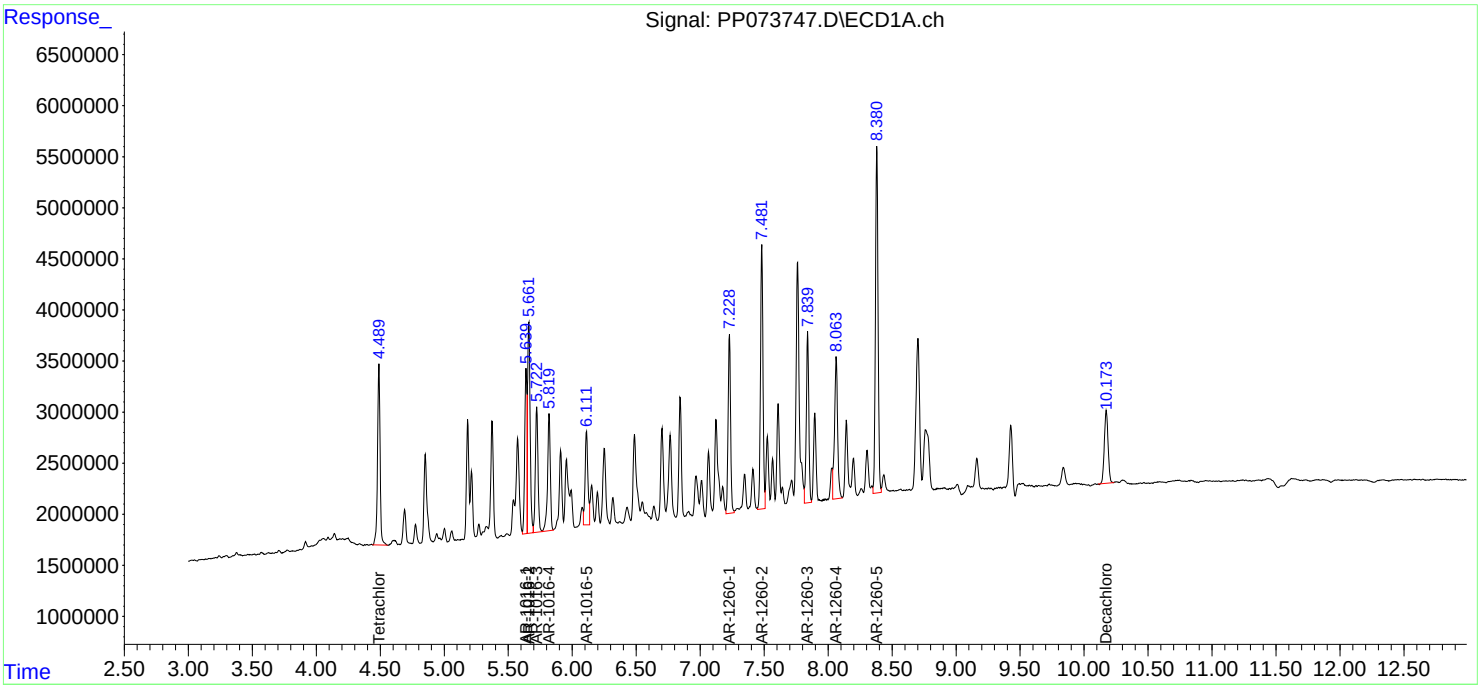
Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

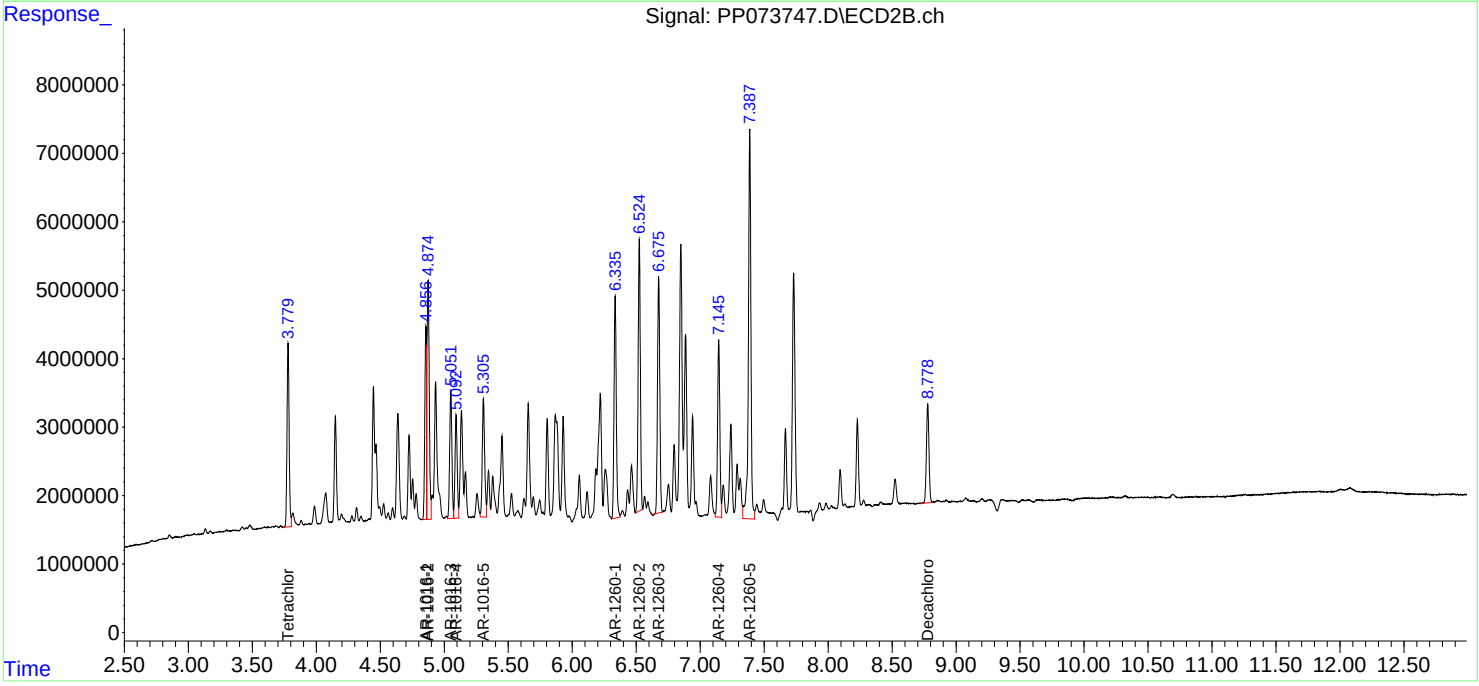
Manual Integrations APPROVED

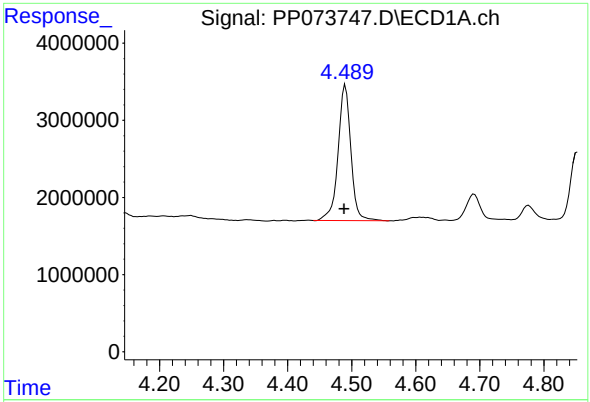
Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:10:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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







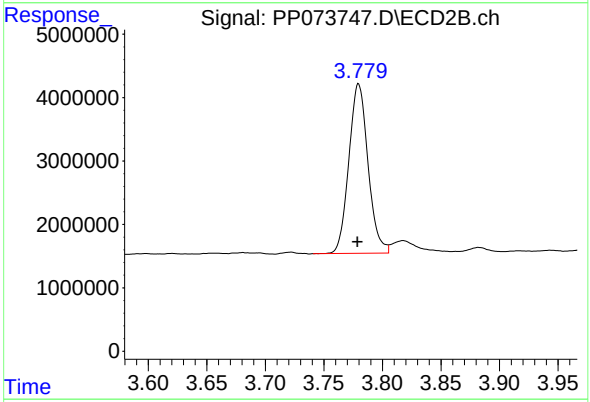
#1 Tetrachloro-m-xylene

R.T.: 4.490 min
Delta R.T.: 0.002 min
Response: 24437496
Conc: 17.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

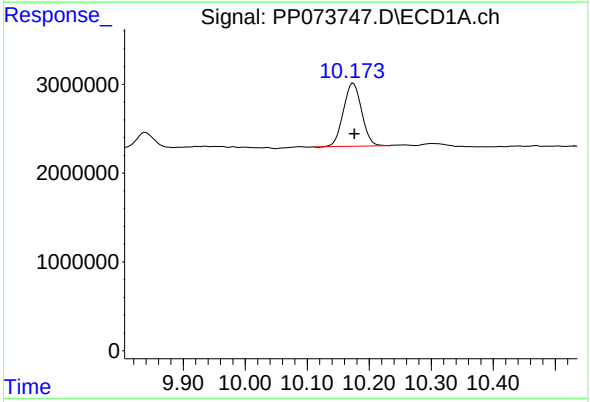
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



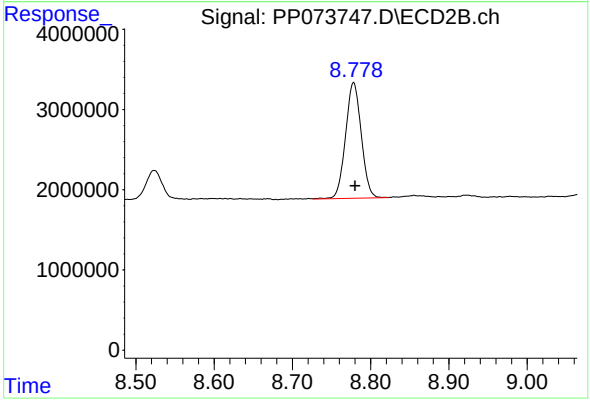
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.001 min
Response: 30506744
Conc: 16.56 ng/ml



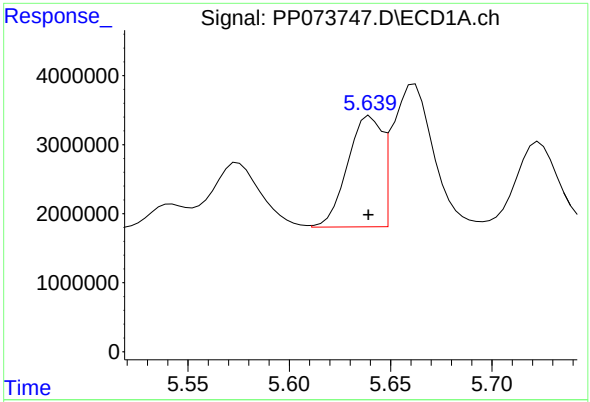
#2 Decachlorobiphenyl

R.T.: 10.174 min
Delta R.T.: -0.002 min
Response: 14490996
Conc: 13.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.778 min
Delta R.T.: -0.002 min
Response: 20083384
Conc: 15.18 ng/ml



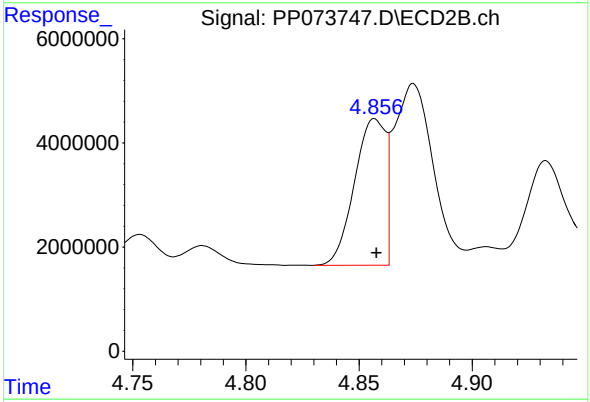
#3 AR-1016-1

R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 18820042
Conc: 396.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

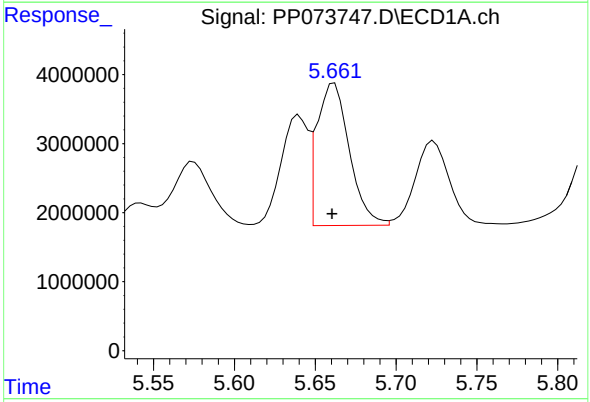
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



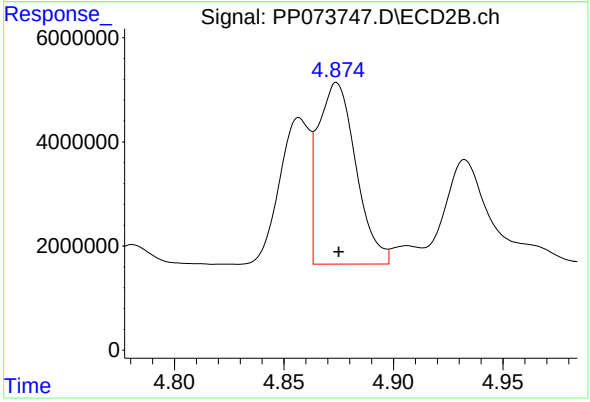
#3 AR-1016-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 26886970
Conc: 394.38 ng/ml



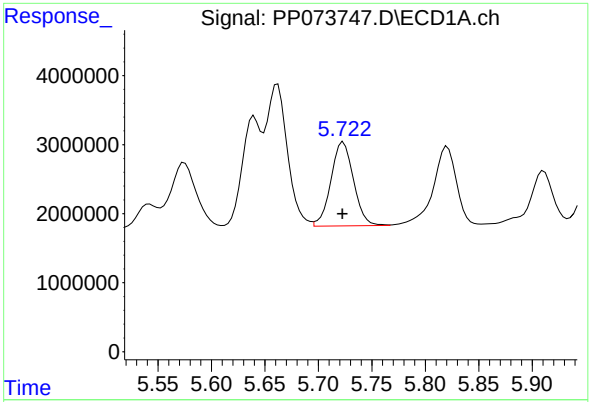
#4 AR-1016-2

R.T.: 5.662 min
Delta R.T.: 0.001 min
Response: 28849905
Conc: 405.11 ng/ml



#4 AR-1016-2

R.T.: 4.874 min
Delta R.T.: 0.000 min
Response: 41917338
Conc: 411.42 ng/ml



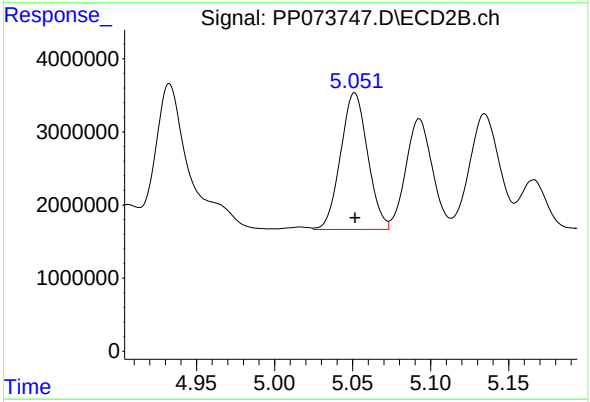
#5 AR-1016-3

R.T.: 5.723 min
Delta R.T.: 0.000 min
Response: 17894428
Conc: 409.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

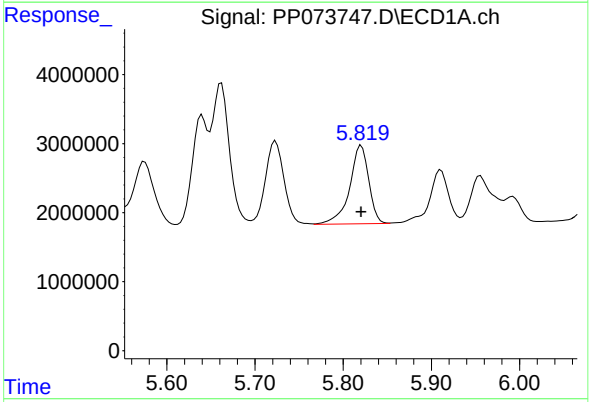
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



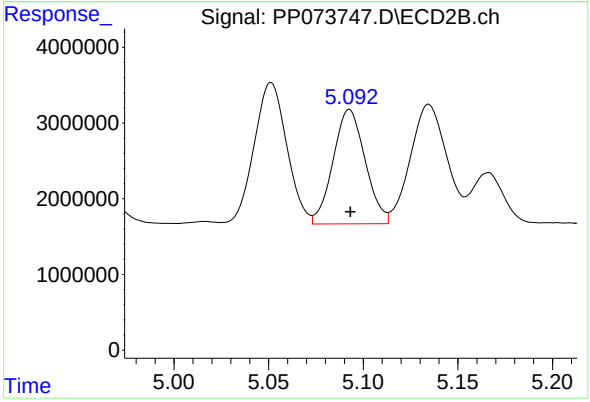
#5 AR-1016-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 22551969
Conc: 416.81 ng/ml



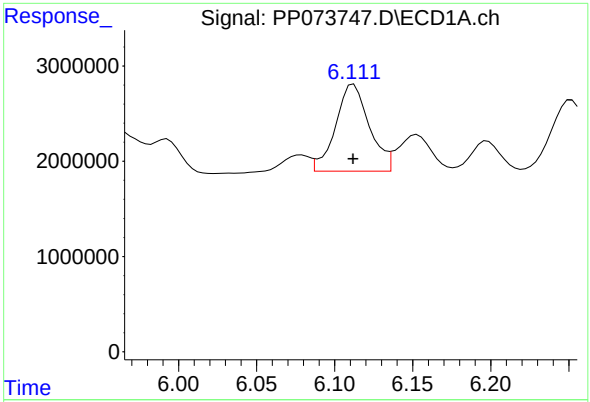
#6 AR-1016-4

R.T.: 5.821 min
Delta R.T.: 0.000 min
Response: 17144451
Conc: 476.96 ng/ml



#6 AR-1016-4

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 17861695
Conc: 407.05 ng/ml



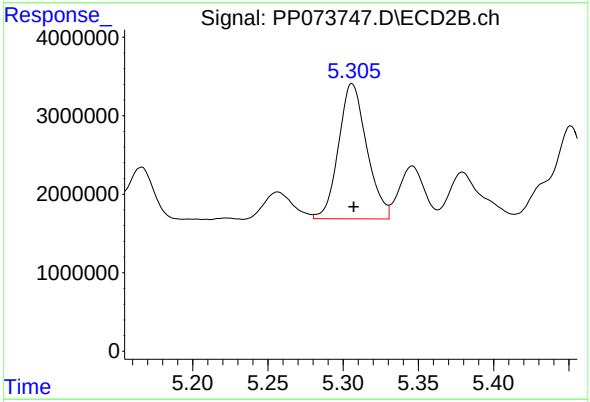
#7 AR-1016-5

R.T.: 6.111 min
Delta R.T.: -0.001 min
Response: 14097335
Conc: 449.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

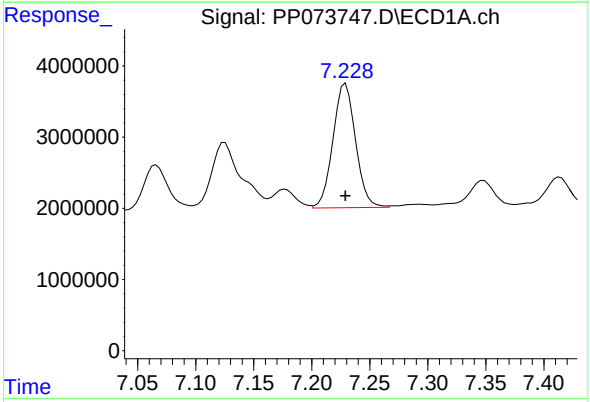
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



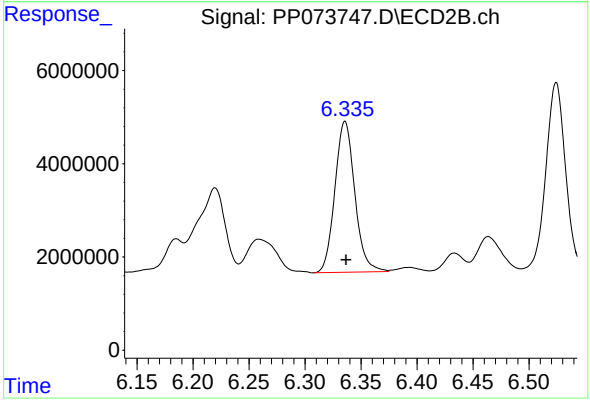
#7 AR-1016-5

R.T.: 5.306 min
Delta R.T.: -0.001 min
Response: 22507262
Conc: 412.35 ng/ml



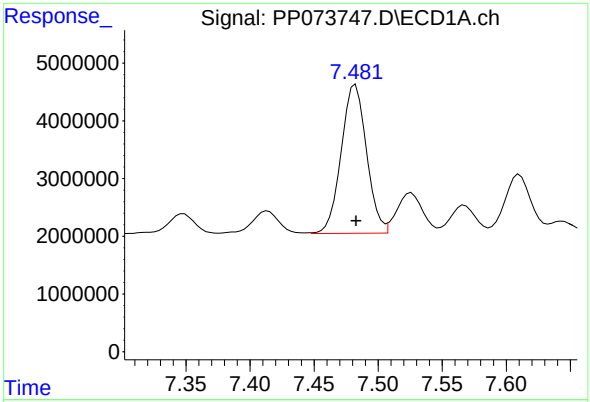
#31 AR-1260-1

R.T.: 7.229 min
Delta R.T.: 0.000 min
Response: 23611710
Conc: 400.46 ng/ml



#31 AR-1260-1

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 40103341
Conc: 411.06 ng/ml



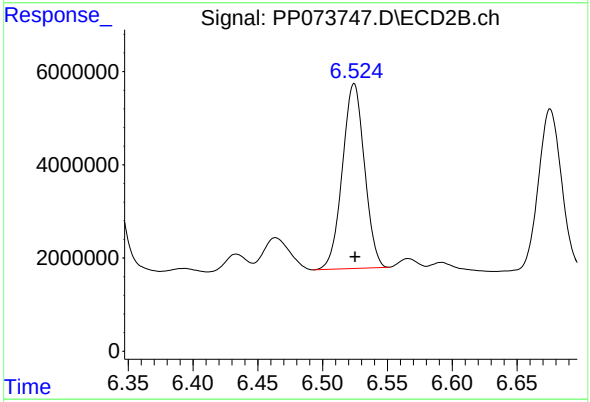
#32 AR-1260-2

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 35449905
Conc: 369.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

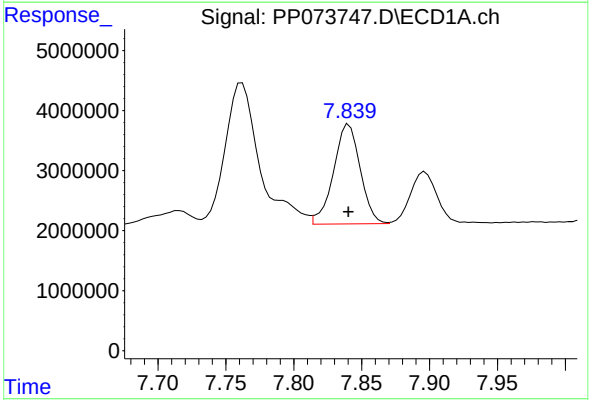
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



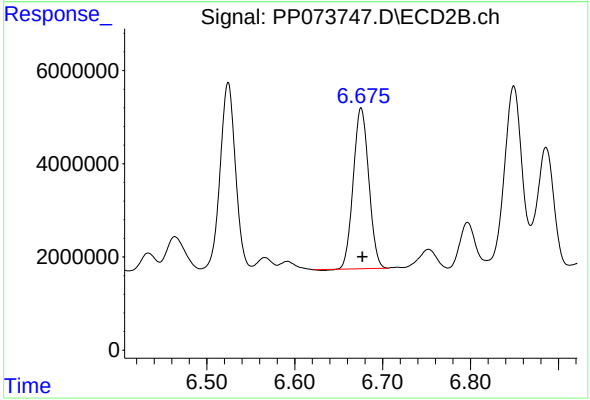
#32 AR-1260-2

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 47019348
Conc: 382.78 ng/ml



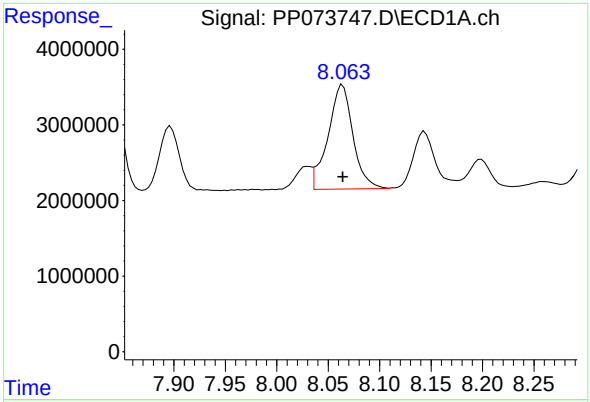
#33 AR-1260-3

R.T.: 7.841 min
Delta R.T.: 0.000 min
Response: 22770832
Conc: 311.63 ng/ml



#33 AR-1260-3

R.T.: 6.676 min
Delta R.T.: -0.001 min
Response: 42210035
Conc: 385.61 ng/ml



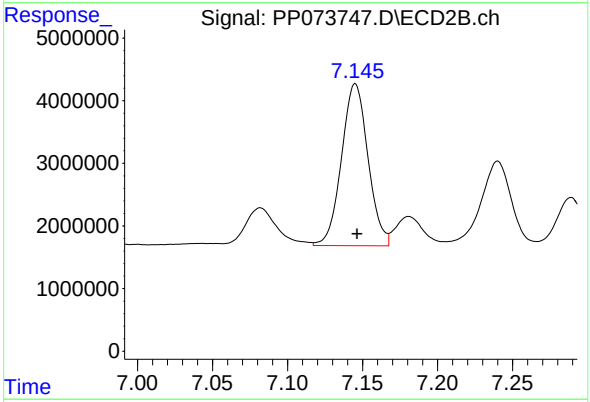
#34 AR-1260-4

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 23296444
Conc: 356.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

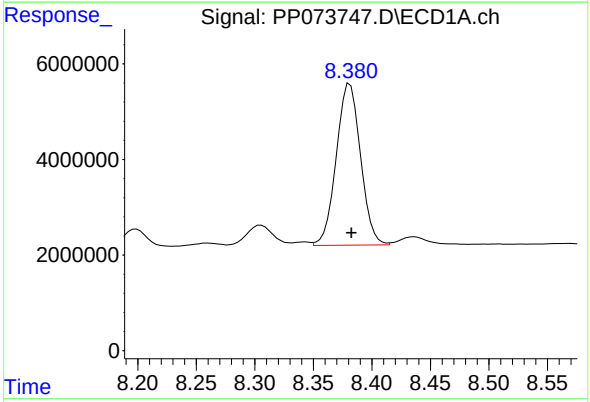
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



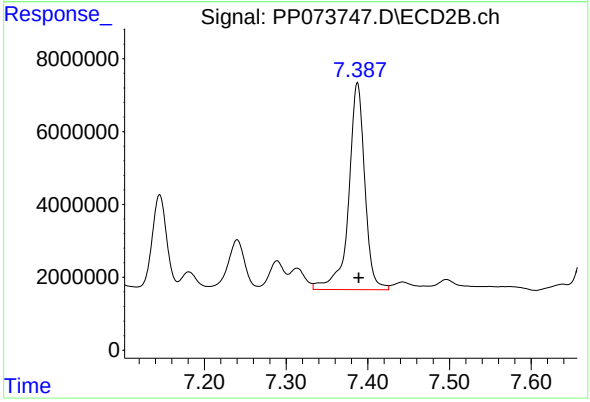
#34 AR-1260-4

R.T.: 7.145 min
Delta R.T.: -0.001 min
Response: 31804953
Conc: 355.73 ng/ml



#35 AR-1260-5

R.T.: 8.381 min
Delta R.T.: -0.001 min
Response: 48716836
Conc: 322.94 ng/ml



#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: -0.001 min
Response: 77961466
Conc: 346.90 ng/ml

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

Manual Integration Report

Sequence:	pp070825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP073557.D	AR-1260-4 #2	yogesh	7/8/2025 8:51:16 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC250	PP073557.D	AR-1260-5 #2	yogesh	7/8/2025 8:51:16 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1016-1	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-1 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-4 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-5 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-1	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-2	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-3	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-5	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-1	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-4	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-5	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp070825	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PP073575.D	AR-1254-1	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-2	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-3	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-4	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1268ICC250	PP073580.D	AR-1268-1 #2	yogesh	7/8/2025 8:51:24 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1268ICC050	PP073581.D	AR-1268-5	yogesh	7/8/2025 8:51:26 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp071225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2555-01	PP073719.D	Tetrachloro-m-xylene	yogesh	7/14/2025 8:13:42 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
Q2555-01	PP073719.D	Tetrachloro-m-xylene #2	yogesh	7/14/2025 8:13:42 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
Q2555-01MS	PP073720.D	AR-1016-5	yogesh	7/14/2025 8:13:20 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
Q2555-01MS	PP073720.D	AR-1260-1	yogesh	7/14/2025 8:13:20 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
Q2555-01MS	PP073720.D	AR-1260-2 #2	yogesh	7/14/2025 8:13:20 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
Q2555-01MS	PP073720.D	Decachlorobiphenyl #2	yogesh	7/14/2025 8:13:20 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
AR1248CCC500	PP073743.D	AR-1248-4 #2	yogesh	7/14/2025 8:13:54 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
Q2555-01MSD	PP073747.D	AR-1016-5	yogesh	7/14/2025 8:13:55 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
AR1660CCC500	PP073748.D	AR-1016-5 #2	yogesh	7/14/2025 8:13:57 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
AR1254CCC500	PP073751.D	AR-1254-1	yogesh	7/14/2025 8:13:59 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
AR1254CCC500	PP073751.D	AR-1254-3	yogesh	7/14/2025 8:13:59 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software
AR1254CCC500	PP073751.D	AR-1254-5	yogesh	7/14/2025 8:13:59 AM	mohammad	7/15/2025 1:40:32	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp071225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	PP071425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP073783.D	AR-1260-2	yogesh	7/15/2025 7:27:33 AM	mohammad	7/16/2025 1:42:35	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 # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM		
SubDirectory	PP070825	HP Acquire Method		HP Processing Method	PP070825

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	PP073552.D	07 Jul 2025 20:13	YP\AJ	Ok
2	I.BLK	PP073553.D	07 Jul 2025 20:30	YP\AJ	Ok
3	AR1660ICC1000	PP073554.D	07 Jul 2025 21:03	YP\AJ	Ok
4	AR1660ICC750	PP073555.D	07 Jul 2025 21:19	YP\AJ	Ok
5	AR1660ICC500	PP073556.D	07 Jul 2025 21:35	YP\AJ	Ok
6	AR1660ICC250	PP073557.D	07 Jul 2025 21:52	YP\AJ	Ok,M
7	AR1660ICC050	PP073558.D	07 Jul 2025 22:08	YP\AJ	Ok,M
8	AR1221ICC500	PP073559.D	07 Jul 2025 22:24	YP\AJ	Ok
9	AR1232ICC500	PP073560.D	07 Jul 2025 22:41	YP\AJ	Ok
10	AR1242ICC1000	PP073561.D	07 Jul 2025 22:57	YP\AJ	Ok
11	AR1242ICC750	PP073562.D	07 Jul 2025 23:14	YP\AJ	Ok
12	AR1242ICC500	PP073563.D	07 Jul 2025 23:30	YP\AJ	Ok
13	AR1242ICC250	PP073564.D	07 Jul 2025 23:46	YP\AJ	Ok
14	AR1242ICC050	PP073565.D	08 Jul 2025 00:03	YP\AJ	Ok,M
15	AR1248ICC1000	PP073566.D	08 Jul 2025 00:19	YP\AJ	Ok
16	AR1248ICC750	PP073567.D	08 Jul 2025 00:35	YP\AJ	Ok
17	AR1248ICC500	PP073568.D	08 Jul 2025 00:52	YP\AJ	Ok
18	AR1248ICC250	PP073569.D	08 Jul 2025 01:08	YP\AJ	Ok
19	AR1248ICC050	PP073570.D	08 Jul 2025 01:25	YP\AJ	Ok,M
20	AR1254ICC1000	PP073571.D	08 Jul 2025 01:41	YP\AJ	Ok
21	AR1254ICC750	PP073572.D	08 Jul 2025 01:57	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 # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM		
SubDirectory	PP070825	HP Acquire Method		HP Processing Method	PP070825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP073573.D	08 Jul 2025 02:14	YP\AJ	Ok
23	AR1254ICC250	PP073574.D	08 Jul 2025 02:30	YP\AJ	Ok
24	AR1254ICC050	PP073575.D	08 Jul 2025 02:46	YP\AJ	Ok,M
25	AR1262ICC500	PP073576.D	08 Jul 2025 03:03	YP\AJ	Ok
26	AR1268ICC1000	PP073577.D	08 Jul 2025 03:19	YP\AJ	Ok
27	AR1268ICC750	PP073578.D	08 Jul 2025 03:35	YP\AJ	Ok
28	AR1268ICC500	PP073579.D	08 Jul 2025 03:52	YP\AJ	Ok
29	AR1268ICC250	PP073580.D	08 Jul 2025 04:08	YP\AJ	Ok,M
30	AR1268ICC050	PP073581.D	08 Jul 2025 04:24	YP\AJ	Ok,M
31	PP070125ICV500	PP073582.D	08 Jul 2025 04:41	YP\AJ	Ok
32	AR1242ICV500	PP073583.D	08 Jul 2025 05:30	YP\AJ	Ok
33	AR1248ICV500	PP073584.D	08 Jul 2025 05:46	YP\AJ	Ok
34	AR1254ICV500	PP073585.D	08 Jul 2025 06:19	YP\AJ	Ok
35	AR1268ICV500	PP073586.D	08 Jul 2025 06:52	YP\AJ	Ok
36	DDT ANALOGUE	PP073587.D	08 Jul 2025 07:24	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 # PP071225

Review By	yogesh	Review On	7/11/2025 3:17:58 PM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:32 AM		
SubDirectory	PP071225	HP Acquire Method		HP Processing Method	PP070825

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	PP073710.D	11 Jul 2025 09:52	YP\AJ	Ok
2	AR1660CCC500	PP073711.D	11 Jul 2025 10:08	YP\AJ	Ok
3	AR1242CCC500	PP073712.D	11 Jul 2025 10:25	YP\AJ	Ok
4	AR1248CCC500	PP073713.D	11 Jul 2025 10:41	YP\AJ	Ok
5	AR1254CCC500	PP073714.D	11 Jul 2025 10:57	YP\AJ	Ok
6	I.BLK	PP073715.D	11 Jul 2025 11:14	YP\AJ	Ok
7	DDT ANALOGUE	PP073716.D	11 Jul 2025 11:30	YP\AJ	Ok
8	PB168809BL	PP073717.D	11 Jul 2025 13:10	YP\AJ	Not Ok
9	PB168809BS	PP073718.D	11 Jul 2025 13:26	YP\AJ	Ok
10	Q2555-01	PP073719.D	11 Jul 2025 13:43	YP\AJ	Ok,M
11	Q2555-01MS	PP073720.D	11 Jul 2025 13:59	YP\AJ	Ok,M
12	Q2555-01MSD	PP073721.D	11 Jul 2025 14:15	YP\AJ	Not Ok
13	Q2555-03	PP073722.D	11 Jul 2025 14:32	YP\AJ	ReRun
14	Q2556-01	PP073723.D	11 Jul 2025 14:48	YP\AJ	Ok,M
15	Q2557-01	PP073724.D	11 Jul 2025 15:05	YP\AJ	Ok
16	Q2558-01	PP073725.D	11 Jul 2025 15:21	YP\AJ	Ok
17	AR1660CCC500	PP073726.D	11 Jul 2025 16:26	YP\AJ	Ok
18	AR1242CCC500	PP073727.D	11 Jul 2025 16:59	YP\AJ	Ok
19	AR1248CCC500	PP073728.D	11 Jul 2025 17:16	YP\AJ	Ok
20	AR1254CCC500	PP073729.D	11 Jul 2025 17:32	YP\AJ	Ok
21	I.BLK	PP073730.D	11 Jul 2025 17:48	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 # PP071225

Review By	yogesh	Review On	7/11/2025 3:17:58 PM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:32 AM		
SubDirectory	PP071225	HP Acquire Method		HP Processing Method	PP070825

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	Q2558-03	PP073731.D	11 Jul 2025 18:05	YP\AJ	ReRun
23	Q2565-04	PP073732.D	11 Jul 2025 18:21	YP\AJ	Ok,M
24	Q2565-05	PP073733.D	11 Jul 2025 18:38	YP\AJ	Ok,M
25	Q2571-01	PP073734.D	11 Jul 2025 18:54	YP\AJ	Ok
26	Q2571-05	PP073735.D	11 Jul 2025 19:10	YP\AJ	Ok
27	Q2545-01	PP073736.D	11 Jul 2025 19:27	YP\AJ	Ok,M
28	Q2550-01	PP073737.D	11 Jul 2025 19:43	YP\AJ	Ok,M
29	Q2551-01	PP073738.D	11 Jul 2025 19:59	YP\AJ	Ok,M
30	Q2557-02	PP073739.D	11 Jul 2025 20:16	YP\AJ	Ok,M
31	Q2565-01	PP073740.D	11 Jul 2025 20:32	YP\AJ	Not Ok
32	AR1660CCC500	PP073741.D	11 Jul 2025 21:38	YP\AJ	Ok
33	AR1242CCC500	PP073742.D	11 Jul 2025 22:27	YP\AJ	Ok
34	AR1248CCC500	PP073743.D	11 Jul 2025 23:00	YP\AJ	Ok,M
35	AR1254CCC500	PP073744.D	11 Jul 2025 23:32	YP\AJ	Ok
36	I.BLK	PP073745.D	12 Jul 2025 00:05	YP\AJ	Ok
37	PB168809BL	PP073746.D	12 Jul 2025 00:21	YP\AJ	Ok
38	Q2555-01MSD	PP073747.D	12 Jul 2025 00:38	YP\AJ	Ok,M
39	AR1660CCC500	PP073748.D	12 Jul 2025 01:43	YP\AJ	Ok,M
40	AR1242CCC500	PP073749.D	12 Jul 2025 02:16	YP\AJ	Ok
41	AR1248CCC500	PP073750.D	12 Jul 2025 02:32	YP\AJ	Ok
42	AR1254CCC500	PP073751.D	12 Jul 2025 02:48	YP\AJ	Ok,M
43	I.BLK	PP073752.D	12 Jul 2025 03:05	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 # PP071425

Review By	yogesh	Review On	7/14/2025 12:42:33 PM		
Supervise By	mohammad	Supervise On	7/16/2025 1:42:35 AM		
SubDirectory	PP071425	HP Acquire Method		HP Processing Method	PP070825

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	PP073753.D	14 Jul 2025 09:16	YP\AJ	Ok
2	AR1660CCC500	PP073754.D	14 Jul 2025 09:32	YP\AJ	Ok
3	AR1242CCC500	PP073755.D	14 Jul 2025 09:54	YP\AJ	Ok
4	AR1248CCC500	PP073756.D	14 Jul 2025 10:11	YP\AJ	Ok
5	AR1254CCC500	PP073757.D	14 Jul 2025 10:27	YP\AJ	Ok
6	I.BLK	PP073758.D	14 Jul 2025 10:43	YP\AJ	Ok
7	DDT ANALOGUE	PP073759.D	14 Jul 2025 11:00	YP\AJ	Ok
8	Q2555-03	PP073760.D	14 Jul 2025 11:16	YP\AJ	Ok
9	Q2558-03	PP073761.D	14 Jul 2025 11:33	YP\AJ	Ok
10	Q2591-01	PP073762.D	14 Jul 2025 11:51	YP\AJ	Ok
11	Q2591-02	PP073763.D	14 Jul 2025 12:08	YP\AJ	Ok
12	PB168817BL	PP073764.D	14 Jul 2025 12:24	YP\AJ	Ok
13	Q2565-01	PP073765.D	14 Jul 2025 12:41	YP\AJ	Ok,M
14	Q2591-03	PP073766.D	14 Jul 2025 12:57	YP\AJ	Ok
15	Q2538-03	PP073767.D	14 Jul 2025 13:13	YP\AJ	Ok,M
16	AR1660CCC500	PP073768.D	14 Jul 2025 14:19	YP\AJ	Ok
17	AR1242CCC500	PP073769.D	14 Jul 2025 14:36	YP\AJ	Ok
18	AR1248CCC500	PP073770.D	14 Jul 2025 14:52	YP\AJ	Ok
19	AR1254CCC500	PP073771.D	14 Jul 2025 15:08	YP\AJ	Ok
20	I.BLK	PP073772.D	14 Jul 2025 15:25	YP\AJ	Ok
21	PB168826BL	PP073773.D	14 Jul 2025 15:41	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 # PP071425

Review By	yogesh	Review On	7/14/2025 12:42:33 PM		
Supervise By	mohammad	Supervise On	7/16/2025 1:42:35 AM		
SubDirectory	PP071425	HP Acquire Method		HP Processing Method	PP070825

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	PB168826BS	PP073774.D	14 Jul 2025 15:57	YP\AJ	Ok
23	Q2578-02	PP073775.D	14 Jul 2025 16:14	YP\AJ	Ok
24	Q2578-06	PP073776.D	14 Jul 2025 16:30	YP\AJ	Ok,M
25	Q2578-10	PP073777.D	14 Jul 2025 16:47	YP\AJ	Ok,M
26	Q2578-14	PP073778.D	14 Jul 2025 17:03	YP\AJ	Ok,M
27	Q2578-18	PP073779.D	14 Jul 2025 17:19	YP\AJ	Ok,M
28	Q2579-02	PP073780.D	14 Jul 2025 17:36	YP\AJ	Ok,M
29	Q2579-06	PP073781.D	14 Jul 2025 17:52	YP\AJ	Ok,M
30	Q2586-01	PP073782.D	14 Jul 2025 18:08	YP\AJ	Ok
31	AR1660CCC500	PP073783.D	14 Jul 2025 19:14	YP\AJ	Ok,M
32	AR1242CCC500	PP073784.D	14 Jul 2025 19:47	YP\AJ	Ok
33	AR1248CCC500	PP073785.D	14 Jul 2025 20:03	YP\AJ	Ok
34	AR1254CCC500	PP073786.D	14 Jul 2025 20:20	YP\AJ	Ok
35	I.BLK	PP073787.D	14 Jul 2025 20:36	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 # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM		
SubDirectory	PP070825	HP Acquire Method		HP Processing Method	PP070825

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	PP073552.D	07 Jul 2025 20:13		YP\AJ	Ok
2	I.BLK	I.BLK	PP073553.D	07 Jul 2025 20:30		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP073554.D	07 Jul 2025 21:03		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP073555.D	07 Jul 2025 21:19		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP073556.D	07 Jul 2025 21:35		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP073557.D	07 Jul 2025 21:52		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP073558.D	07 Jul 2025 22:08		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP073559.D	07 Jul 2025 22:24		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP073560.D	07 Jul 2025 22:41		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP073561.D	07 Jul 2025 22:57		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP073562.D	07 Jul 2025 23:14		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP073563.D	07 Jul 2025 23:30		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP073564.D	07 Jul 2025 23:46		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP073565.D	08 Jul 2025 00:03		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP073566.D	08 Jul 2025 00:19		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP073567.D	08 Jul 2025 00:35		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP073568.D	08 Jul 2025 00:52		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP073569.D	08 Jul 2025 01:08		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 # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM		
SubDirectory	PP070825	HP Acquire Method		HP Processing Method	PP070825

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	AR1248ICC050	AR1248ICC050	PP073570.D	08 Jul 2025 01:25		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP073571.D	08 Jul 2025 01:41		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP073572.D	08 Jul 2025 01:57		YP\AJ	Ok
22	AR1254ICC500	AR1254ICC500	PP073573.D	08 Jul 2025 02:14		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP073574.D	08 Jul 2025 02:30		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP073575.D	08 Jul 2025 02:46		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP073576.D	08 Jul 2025 03:03		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP073577.D	08 Jul 2025 03:19		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP073578.D	08 Jul 2025 03:35		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP073579.D	08 Jul 2025 03:52		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP073580.D	08 Jul 2025 04:08		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP073581.D	08 Jul 2025 04:24		YP\AJ	Ok,M
31	PP070125ICV500	ICVPP070825	PP073582.D	08 Jul 2025 04:41		YP\AJ	Ok
32	AR1242ICV500	ICVPP070825AR1242	PP073583.D	08 Jul 2025 05:30		YP\AJ	Ok
33	AR1248ICV500	ICVPP070825AR1248	PP073584.D	08 Jul 2025 05:46		YP\AJ	Ok
34	AR1254ICV500	ICVPP070825AR1254	PP073585.D	08 Jul 2025 06:19		YP\AJ	Ok
35	AR1268ICV500	ICVPP070825AR1268	PP073586.D	08 Jul 2025 06:52		YP\AJ	Ok
36	DDT ANALOGUE	DDT ANALOGUE	PP073587.D	08 Jul 2025 07:24		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 # PP071225

Review By	yogesh	Review On	7/11/2025 3:17:58 PM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:32 AM		
SubDirectory	PP071225	HP Acquire Method		HP Processing Method	PP070825

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	PP073710.D	11 Jul 2025 09:52		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP073711.D	11 Jul 2025 10:08		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP073712.D	11 Jul 2025 10:25		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP073713.D	11 Jul 2025 10:41		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP073714.D	11 Jul 2025 10:57		YP\AJ	Ok
6	I.BLK	I.BLK	PP073715.D	11 Jul 2025 11:14		YP\AJ	Ok
7	DDT ANALOGUE	DDT ANALOGUE	PP073716.D	11 Jul 2025 11:30		YP\AJ	Ok
8	PB168809BL	PB168809BL	PP073717.D	11 Jul 2025 13:10	Run with cleanup sample	YP\AJ	Not Ok
9	PB168809BS	PB168809BS	PP073718.D	11 Jul 2025 13:26		YP\AJ	Ok
10	Q2555-01	OU4-TS-29-070925	PP073719.D	11 Jul 2025 13:43	DCB Low in 1st column	YP\AJ	Ok,M
11	Q2555-01MS	OU4-TS-29-070925MS	PP073720.D	11 Jul 2025 13:59		YP\AJ	Ok,M
12	Q2555-01MSD	OU4-TS-29-070925MS	PP073721.D	11 Jul 2025 14:15	need cleanup	YP\AJ	Not Ok
13	Q2555-03	OU4-TS-30-070925	PP073722.D	11 Jul 2025 14:32	DCB Low in both column	YP\AJ	ReRun
14	Q2556-01	RT3997	PP073723.D	11 Jul 2025 14:48		YP\AJ	Ok,M
15	Q2557-01	OILY SPILL DEBRIS	PP073724.D	11 Jul 2025 15:05		YP\AJ	Ok
16	Q2558-01	OU4-TS-Denali-070925	PP073725.D	11 Jul 2025 15:21		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PP073726.D	11 Jul 2025 16:26		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP073727.D	11 Jul 2025 16:59		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 # PP071225

Review By	yogesh	Review On	7/11/2025 3:17:58 PM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:32 AM		
SubDirectory	PP071225	HP Acquire Method		HP Processing Method	PP070825

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	AR1248CCC500	AR1248CCC500	PP073728.D	11 Jul 2025 17:16		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP073729.D	11 Jul 2025 17:32		YP\AJ	Ok
21	I.BLK	I.BLK	PP073730.D	11 Jul 2025 17:48		YP\AJ	Ok
22	Q2558-03	OU4-TS-Grillo-OG-070	PP073731.D	11 Jul 2025 18:05	DCB Low in both column	YP\AJ	ReRun
23	Q2565-04	MOO-25-0196	PP073732.D	11 Jul 2025 18:21		YP\AJ	Ok,M
24	Q2565-05	MOO-25-0180	PP073733.D	11 Jul 2025 18:38		YP\AJ	Ok,M
25	Q2571-01	TP-18	PP073734.D	11 Jul 2025 18:54		YP\AJ	Ok
26	Q2571-05	TP-17	PP073735.D	11 Jul 2025 19:10		YP\AJ	Ok
27	Q2545-01	3918	PP073736.D	11 Jul 2025 19:27		YP\AJ	Ok,M
28	Q2550-01	3326	PP073737.D	11 Jul 2025 19:43	DCB high in 2nd column	YP\AJ	Ok,M
29	Q2551-01	293	PP073738.D	11 Jul 2025 19:59		YP\AJ	Ok,M
30	Q2557-02	OILY WATER	PP073739.D	11 Jul 2025 20:16	TCMX high in 2nd column	YP\AJ	Ok,M
31	Q2565-01	MOO-25-0192-0193	PP073740.D	11 Jul 2025 20:32	need cleanup	YP\AJ	Not Ok
32	AR1660CCC500	AR1660CCC500	PP073741.D	11 Jul 2025 21:38		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP073742.D	11 Jul 2025 22:27		YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PP073743.D	11 Jul 2025 23:00		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP073744.D	11 Jul 2025 23:32		YP\AJ	Ok
36	I.BLK	I.BLK	PP073745.D	12 Jul 2025 00:05		YP\AJ	Ok
37	PB168809BL	PB168809BL	PP073746.D	12 Jul 2025 00:21		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 # PP071225

Review By	yogesh	Review On	7/11/2025 3:17:58 PM		
Supervise By	mohammad	Supervise On	7/15/2025 1:40:32 AM		
SubDirectory	PP071225	HP Acquire Method		HP Processing Method	PP070825

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	Q2555-01MSD	OU4-TS-29-070925MS	PP073747.D	12 Jul 2025 00:38		YP\AJ	Ok,M
39	AR1660CCC500	AR1660CCC500	PP073748.D	12 Jul 2025 01:43		YP\AJ	Ok,M
40	AR1242CCC500	AR1242CCC500	PP073749.D	12 Jul 2025 02:16		YP\AJ	Ok
41	AR1248CCC500	AR1248CCC500	PP073750.D	12 Jul 2025 02:32		YP\AJ	Ok
42	AR1254CCC500	AR1254CCC500	PP073751.D	12 Jul 2025 02:48		YP\AJ	Ok,M
43	I.BLK	I.BLK	PP073752.D	12 Jul 2025 03:05		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP
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 # PP071425

Review By	yogesh	Review On	7/14/2025 12:42:33 PM		
Supervise By	mohammad	Supervise On	7/16/2025 1:42:35 AM		
SubDirectory	PP071425	HP Acquire Method		HP Processing Method	PP070825

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	PP073753.D	14 Jul 2025 09:16		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP073754.D	14 Jul 2025 09:32		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP073755.D	14 Jul 2025 09:54		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP073756.D	14 Jul 2025 10:11		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP073757.D	14 Jul 2025 10:27		YP\AJ	Ok
6	I.BLK	I.BLK	PP073758.D	14 Jul 2025 10:43		YP\AJ	Ok
7	DDT ANALOGUE	DDT ANALOGUE	PP073759.D	14 Jul 2025 11:00		YP\AJ	Ok
8	Q2555-03	OU4-TS-30-070925	PP073760.D	14 Jul 2025 11:16		YP\AJ	Ok
9	Q2558-03	OU4-TS-Grillo-OG-070	PP073761.D	14 Jul 2025 11:33		YP\AJ	Ok
10	Q2591-01	72-12000-1	PP073762.D	14 Jul 2025 11:51	AR1248 Hit	YP\AJ	Ok
11	Q2591-02	72-12000-2	PP073763.D	14 Jul 2025 12:08	AR1248 Hit	YP\AJ	Ok
12	PB168817BL	PB168817BL	PP073764.D	14 Jul 2025 12:24		YP\AJ	Ok
13	Q2565-01	MOO-25-0192-0193	PP073765.D	14 Jul 2025 12:41		YP\AJ	Ok,M
14	Q2591-03	NWB-2188	PP073766.D	14 Jul 2025 12:57	AR1242 Hit	YP\AJ	Ok
15	Q2538-03	70325-C	PP073767.D	14 Jul 2025 13:13	AR1242 Hit	YP\AJ	Ok,M
16	AR1660CCC500	AR1660CCC500	PP073768.D	14 Jul 2025 14:19		YP\AJ	Ok
17	AR1242CCC500	AR1242CCC500	PP073769.D	14 Jul 2025 14:36		YP\AJ	Ok
18	AR1248CCC500	AR1248CCC500	PP073770.D	14 Jul 2025 14:52		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 # PP071425

Review By	yogesh	Review On	7/14/2025 12:42:33 PM		
Supervise By	mohammad	Supervise On	7/16/2025 1:42:35 AM		
SubDirectory	PP071425	HP Acquire Method		HP Processing Method	PP070825

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	AR1254CCC500	AR1254CCC500	PP073771.D	14 Jul 2025 15:08		YP\AJ	Ok
20	I.BLK	I.BLK	PP073772.D	14 Jul 2025 15:25		YP\AJ	Ok
21	PB168826BL	PB168826BL	PP073773.D	14 Jul 2025 15:41		YP\AJ	Ok
22	PB168826BS	PB168826BS	PP073774.D	14 Jul 2025 15:57		YP\AJ	Ok
23	Q2578-02	WC-A5-01-C	PP073775.D	14 Jul 2025 16:14		YP\AJ	Ok
24	Q2578-06	WC-A2-09-C	PP073776.D	14 Jul 2025 16:30		YP\AJ	Ok,M
25	Q2578-10	WC-A2-10-C	PP073777.D	14 Jul 2025 16:47		YP\AJ	Ok,M
26	Q2578-14	WC-A2-11-C	PP073778.D	14 Jul 2025 17:03		YP\AJ	Ok,M
27	Q2578-18	WC-A2-12-C	PP073779.D	14 Jul 2025 17:19		YP\AJ	Ok,M
28	Q2579-02	WC-A2-13-C	PP073780.D	14 Jul 2025 17:36		YP\AJ	Ok,M
29	Q2579-06	WC-A2-14-C	PP073781.D	14 Jul 2025 17:52		YP\AJ	Ok,M
30	Q2586-01	TP-16	PP073782.D	14 Jul 2025 18:08		YP\AJ	Ok
31	AR1660CCC500	AR1660CCC500	PP073783.D	14 Jul 2025 19:14		YP\AJ	Ok,M
32	AR1242CCC500	AR1242CCC500	PP073784.D	14 Jul 2025 19:47		YP\AJ	Ok
33	AR1248CCC500	AR1248CCC500	PP073785.D	14 Jul 2025 20:03		YP\AJ	Ok
34	AR1254CCC500	AR1254CCC500	PP073786.D	14 Jul 2025 20:20		YP\AJ	Ok
35	I.BLK	I.BLK	PP073787.D	14 Jul 2025 20:36		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2550-02	VNJ-203	1	1.13	10.33	11.46	10.67	92.4	
Q2550-03	VNJ-203-E2	2	1.16	10.18	11.34	10.36	90.4	
Q2555-01	OU4-TS-29-070925	3	1.18	10.34	11.52	8.84	74.1	
Q2555-03	OU4-TS-30-070925	4	1.14	10.85	11.99	9.45	76.6	
Q2556-01	RT3997	5	1.16	10.62	11.78	10.4	87.0	
Q2557-01	OILY SPILL DEBRIS	6	1.00	1.00	2.00	2.00	100.0	debris
Q2558-01	OU4-TS-Denali-070925	7	1.15	10.60	11.75	9.59	79.6	
Q2558-03	OU4-TS-Grillo-OG-070925	8	1.19	10.63	11.82	9.56	78.7	
Q2559-01	500-3B CONCRETE CHIP	9	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2559-02	500-3B CONCRETE CHIP-EPH	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2560-01	LP-7102025	11	1.14	9.97	11.11	9.53	84.2	
Q2560-02	LP-7102025-EPH-2	12	1.19	10.36	11.55	10.07	85.7	
Q2560-03	LP-7102025-VOC	13	1.13	10.68	11.81	10.11	84.1	
Q2561-03	AUD-25-0115-0116	14	1.14	10.21	11.35	11.07	97.3	
Q2561-04	AUD-25-0067	15	1.17	10.34	11.51	10.88	93.9	
Q2561-05	AUD-25-0117	16	1.15	10.84	11.99	11.85	98.7	
Q2564-01	ARS20-0030	17	1.18	10.66	11.84	11.32	95.1	
Q2564-02	ARS20-0030-E2	18	1.19	10.47	11.66	11.00	93.7	
Q2564-03	ARS20-0013	19	1.13	10.70	11.83	10.87	91.0	
Q2564-04	ARS20-0013-E2	20	1.15	10.81	11.96	10.82	89.5	
Q2564-05	ARS20-0039	21	1.14	10.39	11.53	10.2	87.2	
Q2564-06	ARS20-0039-E2	22	1.13	10.64	11.77	11.09	93.6	
Q2565-02	MOO-25-0194-0195	23	1.14	10.11	11.25	9.82	85.9	
Q2565-03	MOO-25-0191	24	1.00	1.00	2.00	2.00	100.0	debris
Q2565-04	MOO-25-0196	25	1.19	10.56	11.75	9.2	75.9	
Q2565-05	MOO-25-0180	26	1.13	10.69	11.82	11.4	96.1	
Q2571-01	TP-18	27	1.15	10.82	11.97	11.71	97.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2571-02	TP-18 EPH	28	1.14	10.85	11.99	11.44	94.9	
Q2571-03	TP-18 VOC	29	1.18	10.59	11.77	10.45	87.5	
Q2571-05	TP-17	30	1.15	10.88	12.03	10.72	88.0	
Q2571-06	TP-17-EPH	31	1.15	11.16	12.31	11.1	89.2	
Q2571-07	TP-17-VOC	32	1.14	10.85	11.99	10.9	90.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

Q2555-PCB

WORKLIST(Hardcopy Internal Chain)

WB6427

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2550-02	VNJ-203	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2550-03	VNJ-203-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2555-01	OU4-TS-29-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2555-03	OU4-TS-30-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2556-01	RT3997	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/10/2025	Chemtech -SO
Q2557-01	OILY SPILL DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2558-01	OU4-TS-Denali-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2559-01	500-3B CONCRETE CHIP	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2559-02	500-3B CONCRETE CHIP-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2560-01	LP-7102025	Solid	Percent Solids	Cool 4 deg C	PSEG03		07/10/2025	Chemtech -SO
Q2560-02	LP-7102025-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2560-03	LP-7102025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2561-03	AUD-25-0115-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-04	AUD-25-0067	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-05	AUD-25-0117	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2564-01	ARS20-0030	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-02	ARS20-0030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-03	ARS20-0013	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-04	ARS20-0013-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-05	ARS20-0039	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 : 1510

Raw Sample Received by: R (WC)

Raw Sample Relinquished by: [signature]

Date/Time 07/10/25 1720

Raw Sample Received by: [signature]

Raw Sample Relinquished by: R (WC)

WORKLIST(Hardcopy Internal Chain)

VB 136427

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2564-06	ARS20-0039-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2565-02	MOO-25-0194-0195	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-03	MOO-25-0191	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-04	MOO-25-0196	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-05	MOO-25-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2571-01	TP-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-02	TP-18 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-03	TP-18 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-05	TP-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-06	TP-17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-07	TP-17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 15:10

Raw Sample Received by: WC

Raw Sample Relinquished by:

Date/Time 07/10/25 17:20

Raw Sample Received by:

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168809

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	07/11/2025
Matrix :	Solid			**Extraction Start Time :**	08:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	07/11/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:40
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	PP24650
Surrogate	1.0ML	200 PPB	PP24663
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	EP2624
Hexane	N/A	E3950
H2SO4 1:1	N/A	EP2610
Sand	N/A	E3951
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, Q2557-01 & Q2565-03,04 used Limited volume as sample are oily Debris.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/11/25	RS (EXT Lab)	Y-Pest/PCB
11:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168809

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 07/11/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168809BL	ABLK809	PCB	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168809BS	ALCS809	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q2555-01	OU4-TS-29-070925	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2555-01MS	OU4-TS-29-070925MS	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q2555-01MSD	OU4-TS-29-070925MSD	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q2555-03	OU4-TS-30-070925	PCB	30.05	N/A	ritesh	Evelyn	10	E		6
Q2556-01	RT3997	PCB	30.04	N/A	ritesh	Evelyn	10	B		U3-1
Q2557-01	OILY SPILL DEBRIS	PCB	5.02	N/A	ritesh	Evelyn	10	E	Oily Debris	2
Q2558-01	OU4-TS-DENALI-070925	PCB	30.03	N/A	ritesh	Evelyn	10	E		3
Q2558-03	OU4-TS-GRILLO-OG-070925	PCB	30.06	N/A	ritesh	Evelyn	10	E		4
Q2559-01	500-3B CONCRETE CHIP	PCB	30.04	N/A	ritesh	Evelyn	10	E	Concrete	5
Q2560-01	LP-7102025	PCB	30.08	N/A	ritesh	Evelyn	10	E		6
Q2561-03	AUD-25-0115-0116	PCB	30.02	N/A	ritesh	Evelyn	10	B	Small Particle	U6-1
Q2561-04	AUD-25-0067	PCB	30.03	N/A	ritesh	Evelyn	10	B	Small Particle	2
Q2561-05	AUD-25-0117	PCB	30.05	N/A	ritesh	Evelyn	10	B		3
Q2564-01	ARS20-0030	PCB	30.06	N/A	ritesh	Evelyn	10	E		4
Q2564-03	ARS20-0013	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q2564-05	ARS20-0039	PCB	30.01	N/A	ritesh	Evelyn	10	E		6
Q2565-02	MOO-25-0194-0195	PCB	30.07	N/A	ritesh	Evelyn	10	E		U1-1
Q2565-03	MOO-25-0191	PCB	5.05	N/A	ritesh	Evelyn	10	E	Oily Debris	2
Q2565-04	MOO-25-0196	PCB	5.06	N/A	ritesh	Evelyn	10	E	Oily Debris + Small Particle	3
Q2565-05	MOO-25-0180	PCB	30.02	N/A	ritesh	Evelyn	10	E	Small Particle	4
Q2571-01	TP-18	PCB	30.03	N/A	ritesh	Evelyn	10	E		5
Q2571-05	TP-17	PCB	30.07	N/A	ritesh	Evelyn	10	E		6

RS 7/11

* **Extracts relinquished on the same date as received.**

Q2555-PCB

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2561 **WorkList ID :** 190660 **Department :** Extraction **Date :** 07-11-2025 08:14:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2555-01	OU4-TS-29-070925	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/09/2025	8082A
Q2555-03	OU4-TS-30-070925	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/09/2025	8082A
Q2556-01	RT3997	Solid	PCB	Cool 4 deg C	PSEG03	–Sele	07/10/2025	8082A
Q2557-01	OILY SPILL DEBRIS	Solid	PCB	Cool 4 deg C	PSEG03	O21	07/10/2025	8082A
Q2558-01	OU4-TS-Denali-070925	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/09/2025	8082A
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/09/2025	8082A
Q2559-01	500-3B CONCRETE CHIP	Solid	PCB	Cool 4 deg C	PSEG03	O31	07/10/2025	8082A
Q2560-01	LP-7102025	Solid	PCB	Cool 4 deg C	PSEG03	O23	07/10/2025	8082A
Q2561-03	AUD-25-0115-0116	Solid	PCB	Cool 4 deg C	PSEG03	O21	07/10/2025	8082A
Q2561-04	AUD-25-0067	Solid	PCB	Cool 4 deg C	PSEG03	O21	07/10/2025	8082A
Q2561-05	AUD-25-0117	Solid	PCB	Cool 4 deg C	PSEG03	O21	07/10/2025	8082A
Q2564-01	ARS20-0030	Solid	PCB	Cool 4 deg C	PSEG03	O22	07/10/2025	8082A
Q2564-03	ARS20-0013	Solid	PCB	Cool 4 deg C	PSEG03	O22	07/10/2025	8082A
Q2564-05	ARS20-0039	Solid	PCB	Cool 4 deg C	PSEG03	O22	07/10/2025	8082A
Q2565-02	MOO-25-0194-0195	Solid	PCB	Cool 4 deg C	PSEG03	O11	07/10/2025	8082A
Q2565-03	MOO-25-0191	Solid	PCB	Cool 4 deg C	PSEG03	O11	07/10/2025	8082A
Q2565-04	MOO-25-0196	Solid	PCB	Cool 4 deg C	PSEG03	O11	07/10/2025	8082A
Q2565-05	MOO-25-0180	Solid	PCB	Cool 4 deg C	PSEG03	O11	07/10/2025	8082A
Q2571-01	TP-18	Solid	PCB	Cool 4 deg C	PSEG03	O22	07/10/2025	8082A
Q2571-05	TP-17	Solid	PCB	Cool 4 deg C	PSEG03		07/10/2025	8082A

Date/Time 07/11/25 8:15
Raw Sample Received by: RS (EAT-Web)
Raw Sample Relinquished by:

Date/Time 07/11/25 8:45
Raw Sample Received by:
Raw Sample Relinquished by: RS (EAT-Web)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2555

Test : PCB

Prepbatch ID : PB168809,

Sequence ID/Qc Batch ID: pp071225,PP071425,

Standard ID :
EP2610,EP2613,EP2624,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,PP24650,PP24663,

Chemical ID :
E3551,E3804,E3877,E3932,E3933,E3940,E3944,E3950,E3951,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12950,P12957,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13786,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	EP2624	06/26/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 06/26/2025

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	PP24650	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 0.50000ml of P12950 + 99.50000ml of E3940 = 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	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = 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 #
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)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

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	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

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)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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

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 #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

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	12/16/2025	06/16/2025 / Abdul	12/20/2023 / Yogesh	P12950

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

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	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

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

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)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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.: 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

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 6/11/25

E3940

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

Avantor Performance Materials LLC

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

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

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

3950

Read on 7/02/25

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

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

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

Jamie Croak
Director Quality Operations, Bioscience Production

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

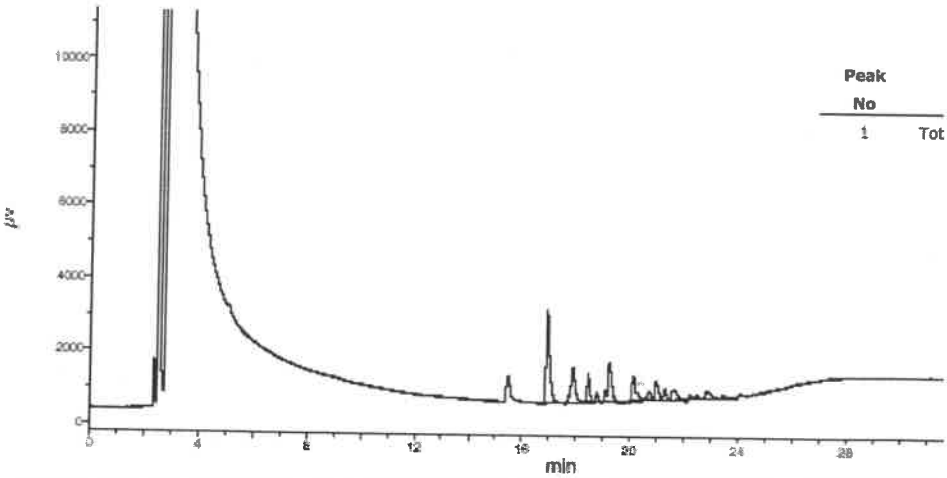
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

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.)

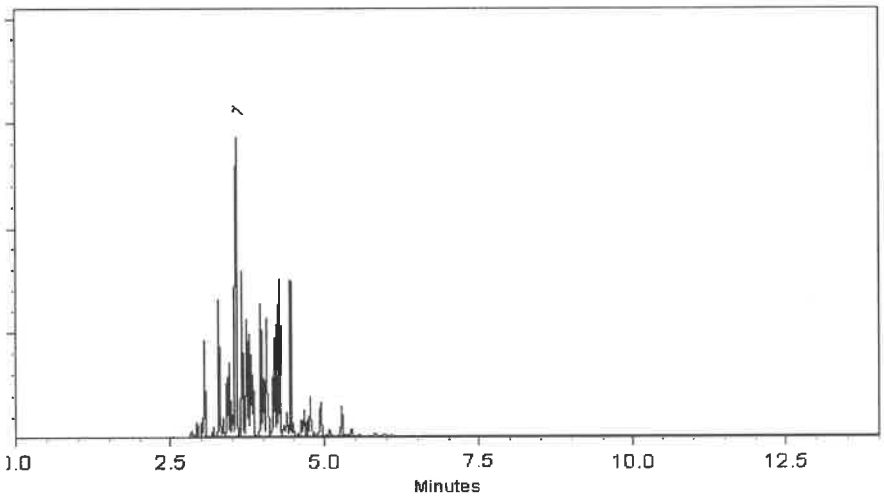
Inj. Temp:
250°C

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

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.

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.)

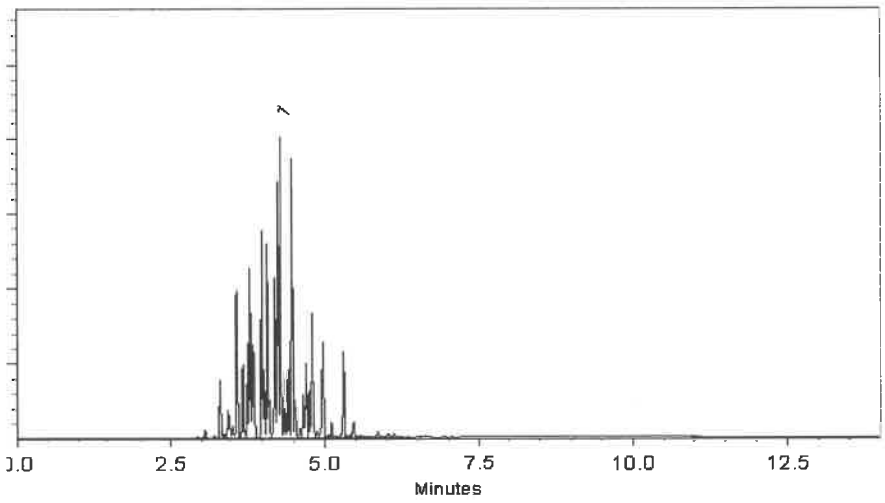
Inj. Temp:
250°C

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):	Lot#
Hexane	273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

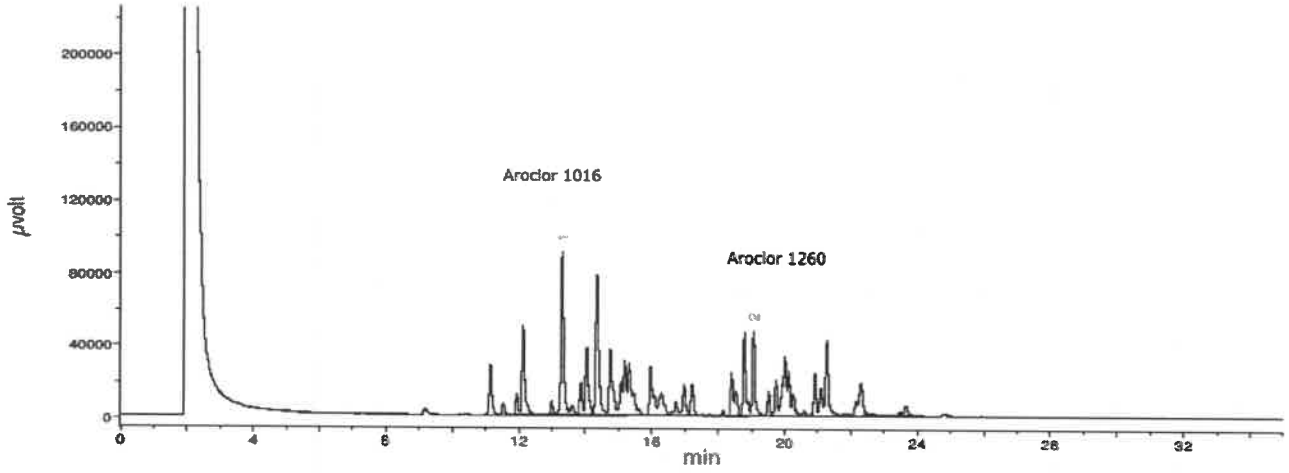
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20

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

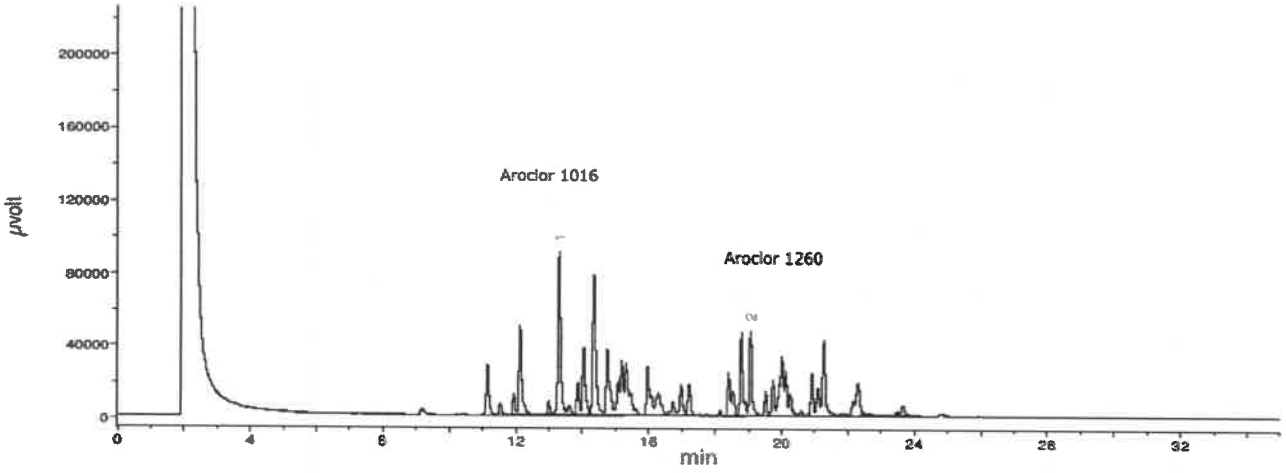
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 12/20

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:	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

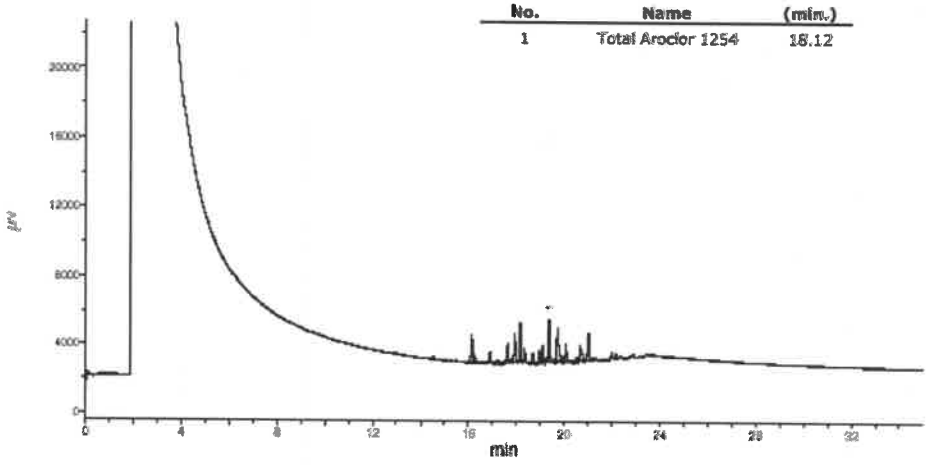
Note: Aroclor 1254 is a mix of isomers.

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 Arocior 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.)

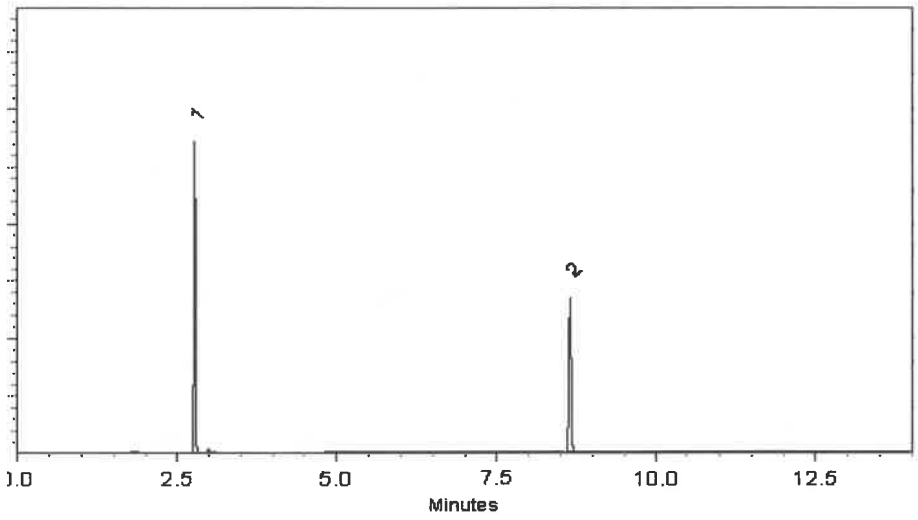
Inj. Temp:
250°C

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

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

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.)

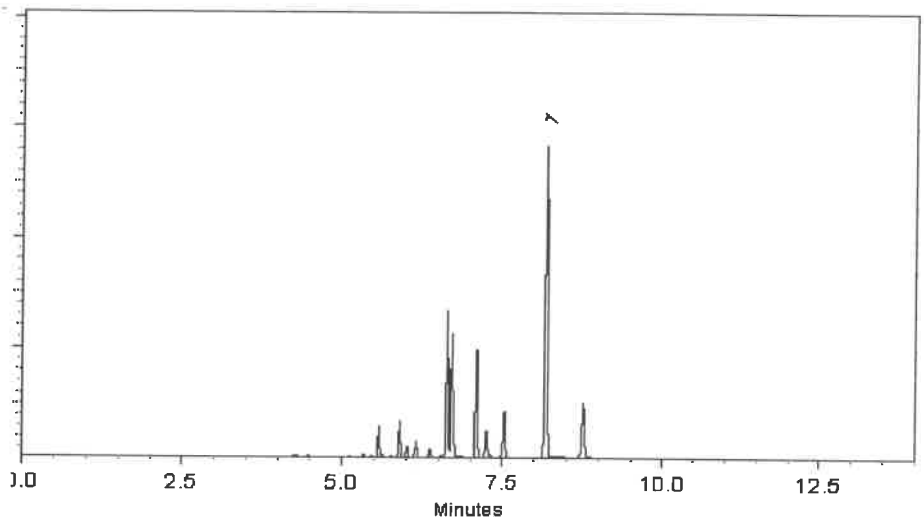
Inj. Temp:
250°C

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.)

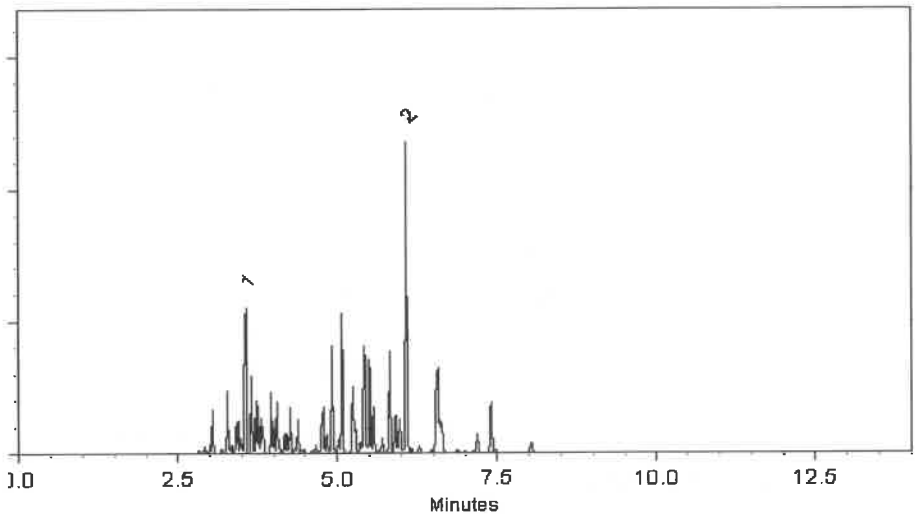
Inj. Temp:
250°C

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.)

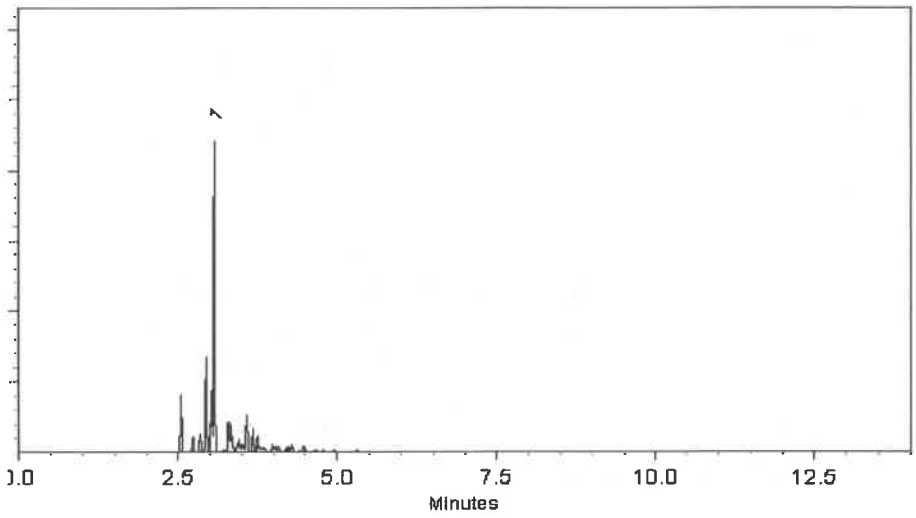
Inj. Temp:
250°C

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

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. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785 ↓ P19789 AJ 11/19/24

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%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

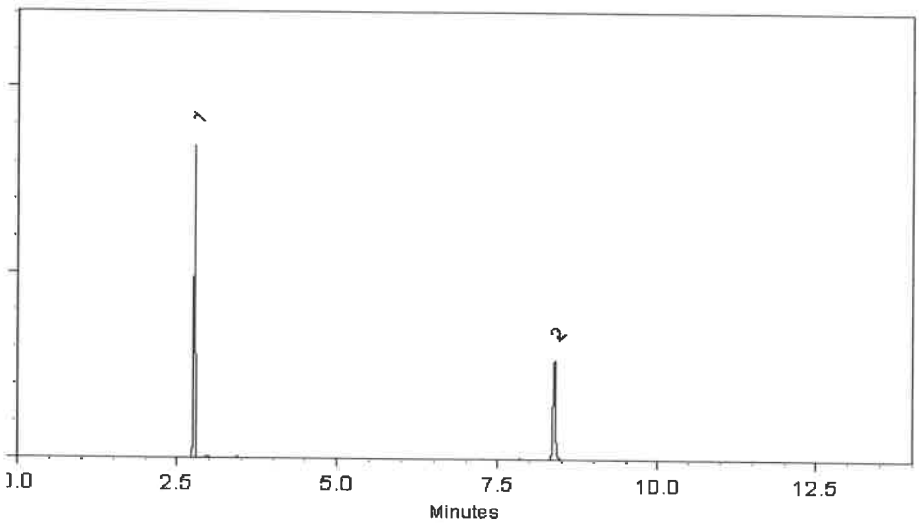
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-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

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.)

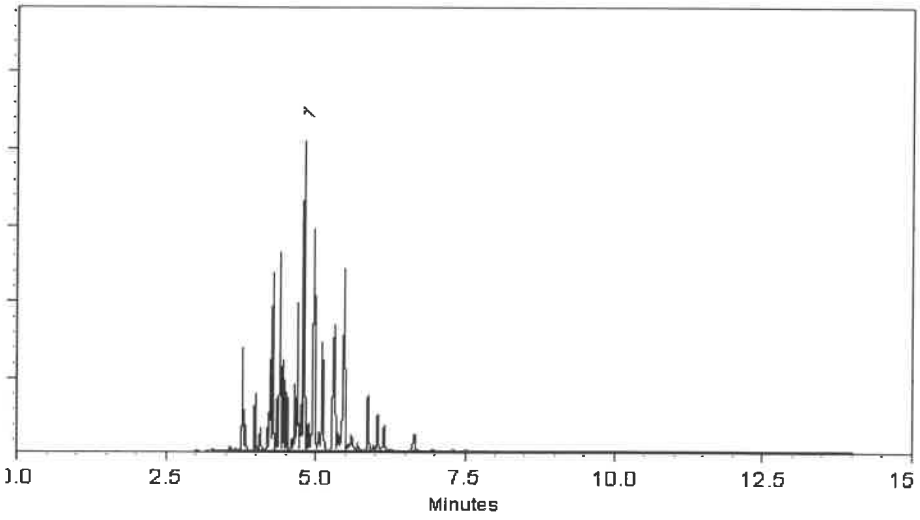
Inj. Temp:
250°C

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.)

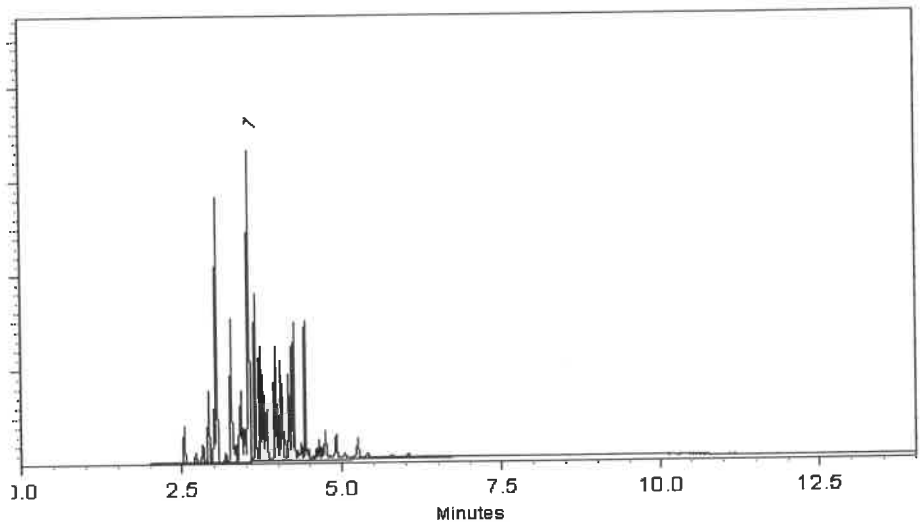
Inj. Temp:
250°C

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

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. : 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.)

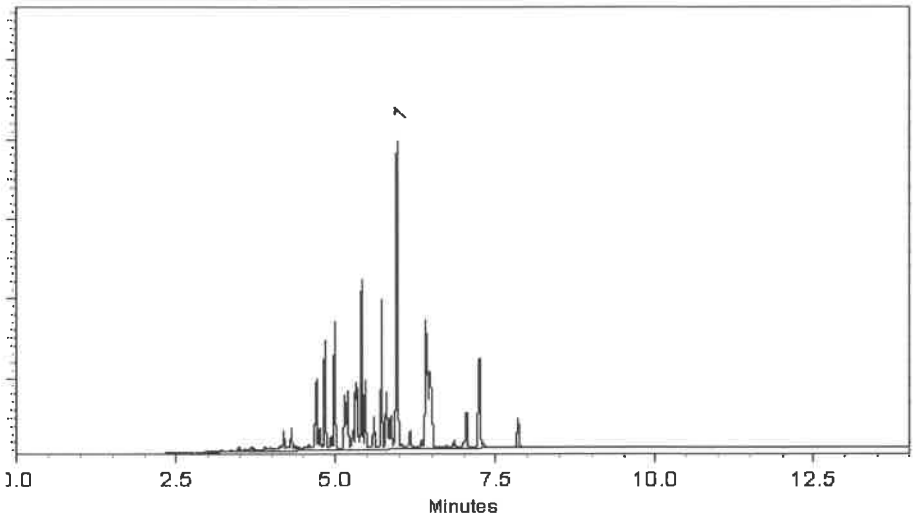
Inj. Temp:
250°C

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

Q 2555

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

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	Cyanide	SPLP RCP Metals - 6020		
	OU4-TS-29-070925	7/9/25	10:30	G	SO		3	2	1				X	X	X	X	X	X	X	X		
	OU4-TS-30-070925	7/9/25	10:45	G	SO		3	2	1				X	X	X	X	X	X	X	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: 7/9/25 1200
Received by: (signature)	Date/Time: 7/10/25 1000
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
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:

If Cont 4.3°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 : Q2555 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/10/2025 10:17:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/10/2025 10:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2555-01	OU4-TS-29-070925	Solid	07/09/2025	10:30					
					VOCMS Group3		8260D		10 Bus. Days
Q2555-03	OU4-TS-30-070925	Solid	07/09/2025	10:45					
					VOCMS Group3		8260D		10 Bus. Days

Relinquished By : CA
Date / Time : 7/10/25 13:05

Received By : Sam
Date / Time : 07/10/25 13:05 Night Box

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:52
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: Jul 08 01:40:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.780	36726195	48601054	25.988	25.943
2)	SA Decachlor...	10.180	8.781	29096309	36663112	25.387	27.681
	Target Compounds						
3)	L1 AR-1016-1	5.640	4.858	12627919	18293907	267.888	266.983
4)	L1 AR-1016-2	5.662	4.876	19179159	27468197	266.197	267.749
5)	L1 AR-1016-3	5.723	5.053	11597460	14482667	262.608	264.046
6)	L1 AR-1016-4	5.821	5.095	9615182	11760046	262.767	267.901
7)	L1 AR-1016-5	6.113	5.308	8568508	14818058	261.344	266.223
31)	L7 AR-1260-1	7.231	6.339	15831007	26051826	265.337	261.903
32)	L7 AR-1260-2	7.484	6.527	24493361	32462748	270.963	261.789
33)	L7 AR-1260-3	7.843	6.679	19201014	29417085	257.072	261.967
34)	L7 AR-1260-4	8.066	7.148	17258868	25990153	258.636	281.433
35)	L7 AR-1260-5	8.385	7.391	40210084	64242310	259.594	276.638

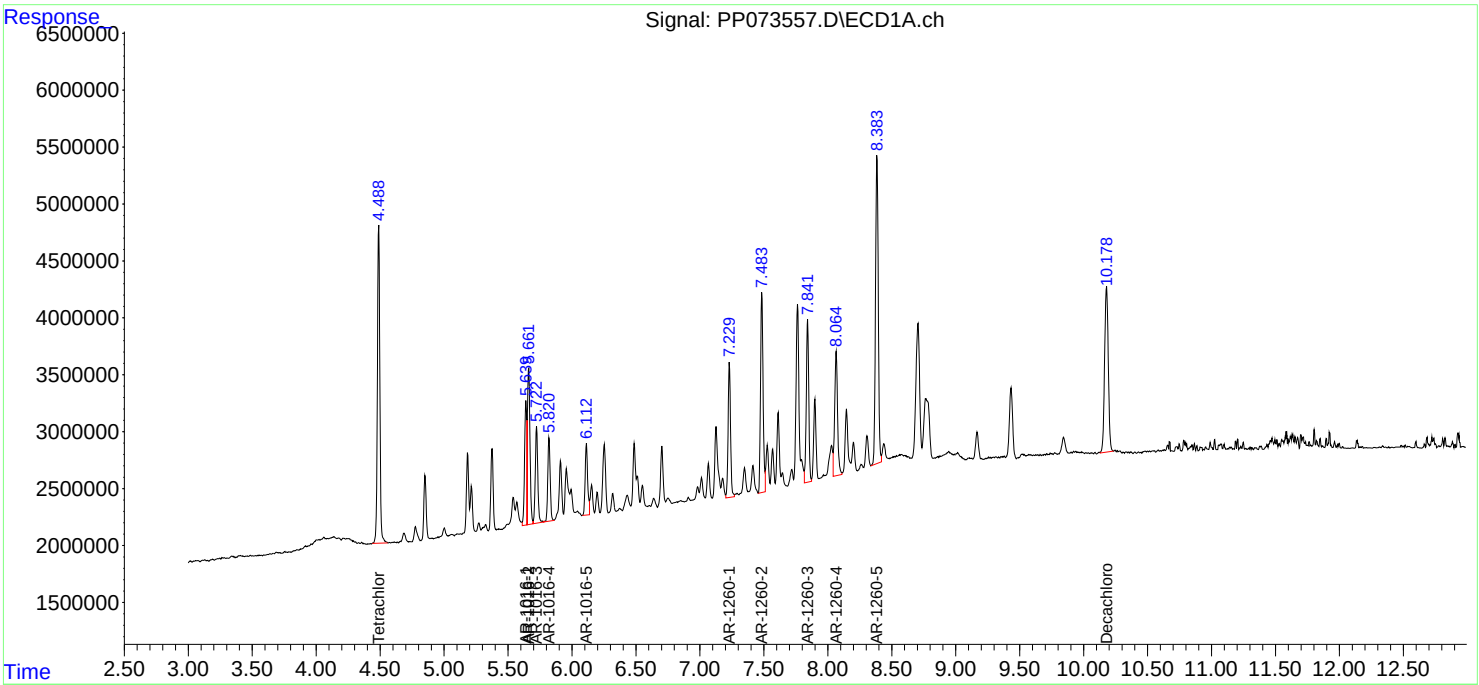
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

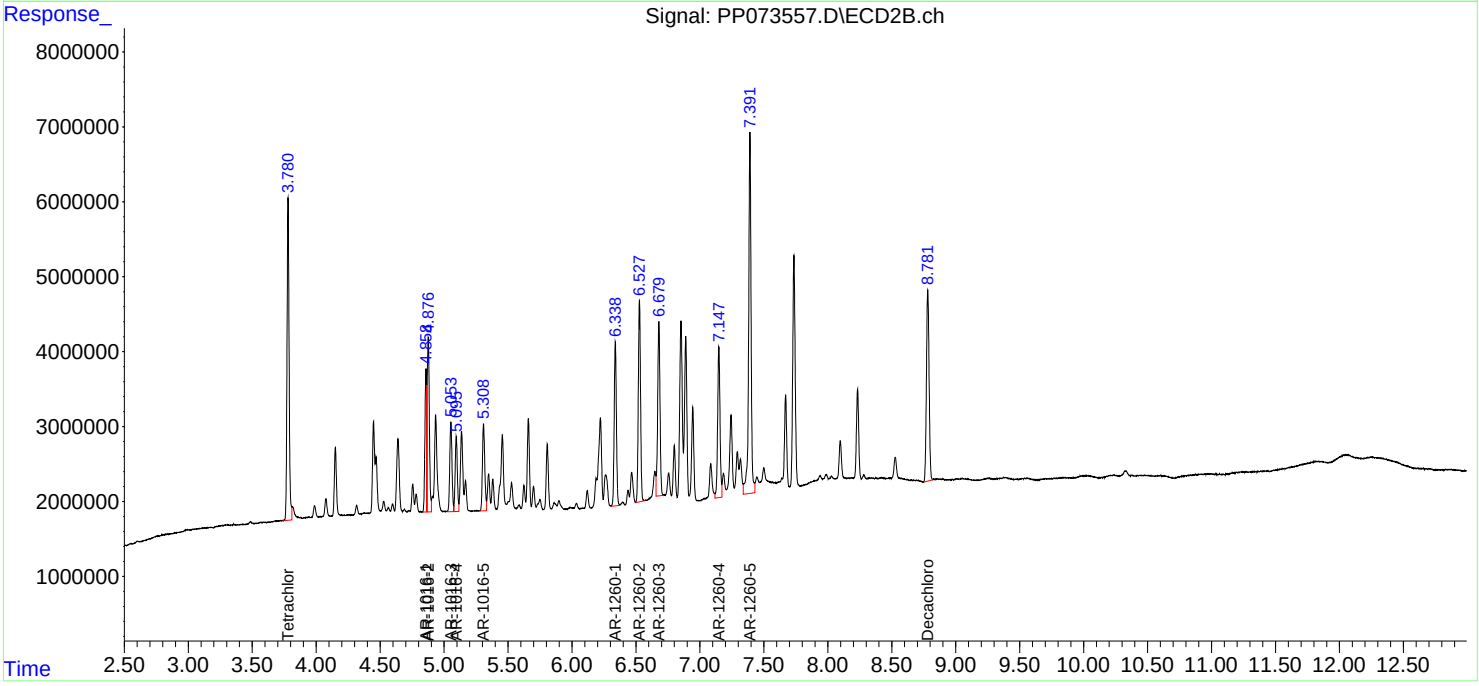
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:52
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

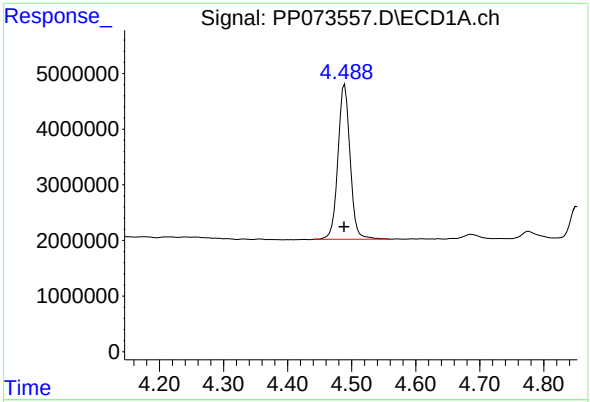
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:40:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



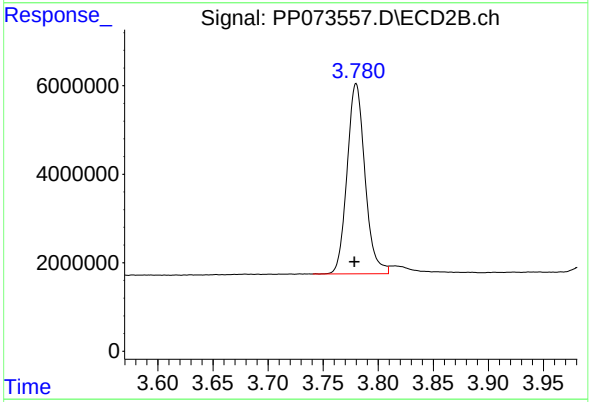




#1 Tetrachloro-m-xylene

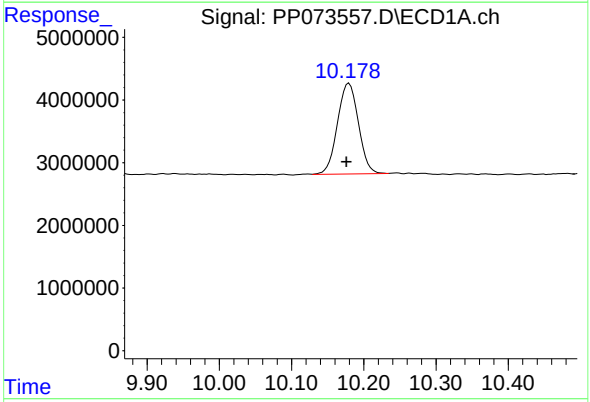
R.T.: 4.489 min
Delta R.T.: 0.001 min
Response: 36726195
Conc: 25.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



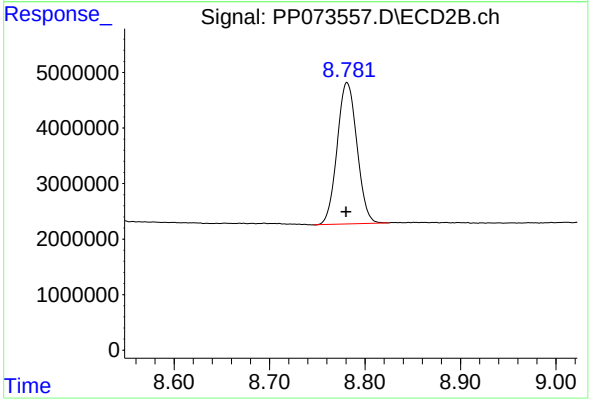
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.002 min
Response: 48601054
Conc: 25.94 ng/ml



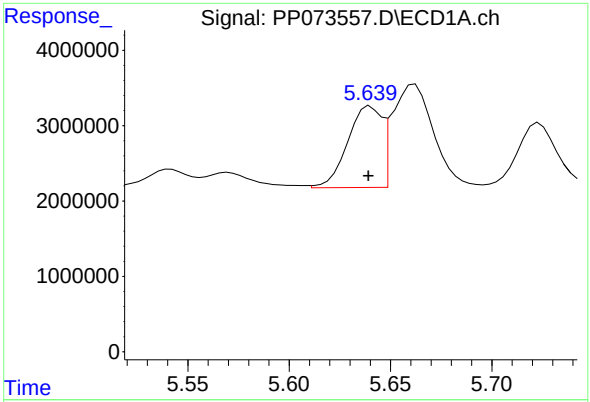
#2 Decachlorobiphenyl

R.T.: 10.180 min
Delta R.T.: 0.003 min
Response: 29096309
Conc: 25.39 ng/ml



#2 Decachlorobiphenyl

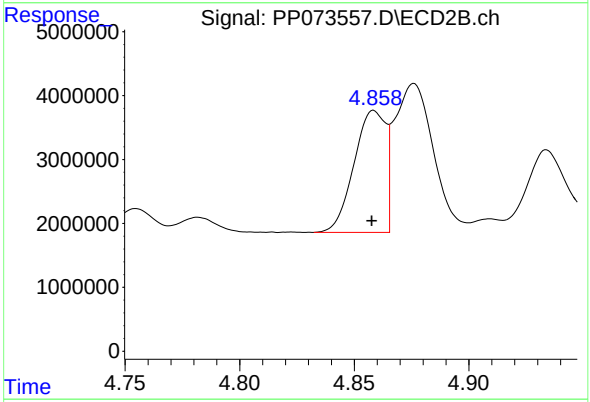
R.T.: 8.781 min
Delta R.T.: 0.001 min
Response: 36663112
Conc: 27.68 ng/ml



#3 AR-1016-1

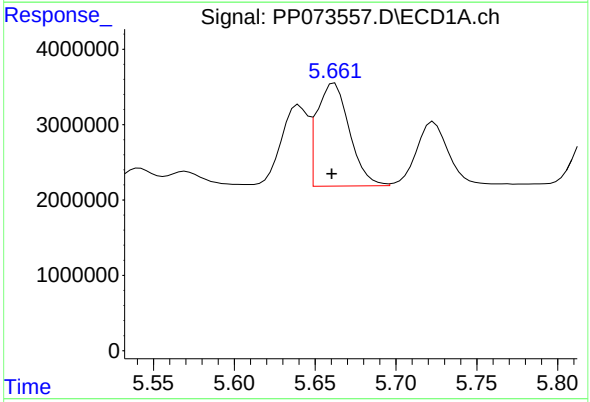
R.T.: 5.640 min
Delta R.T.: 0.001 min
Response: 12627919
Conc: 267.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



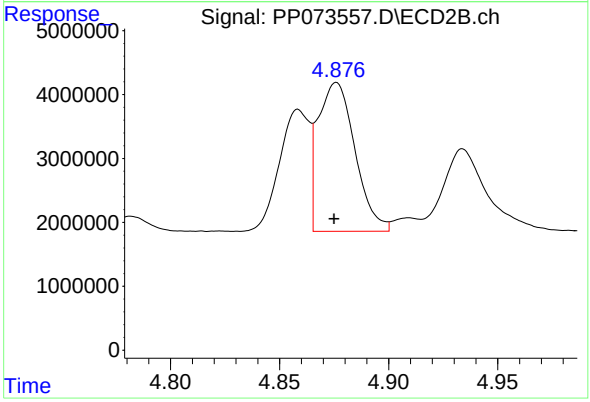
#3 AR-1016-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 18293907
Conc: 266.98 ng/ml



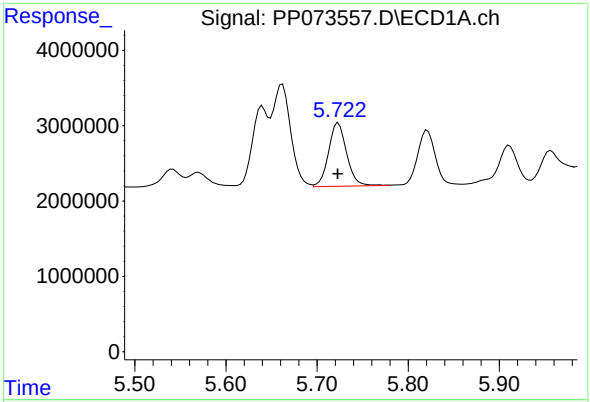
#4 AR-1016-2

R.T.: 5.662 min
Delta R.T.: 0.002 min
Response: 19179159
Conc: 266.20 ng/ml



#4 AR-1016-2

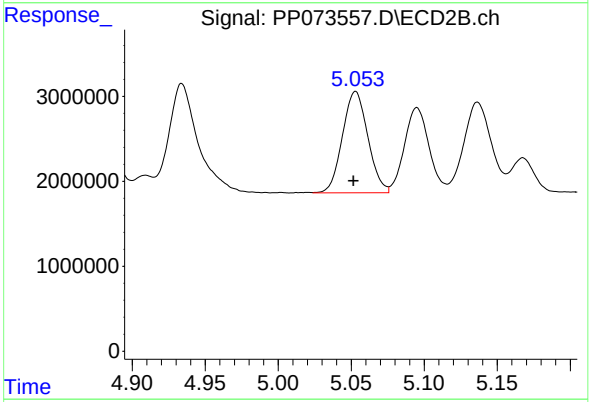
R.T.: 4.876 min
Delta R.T.: 0.001 min
Response: 27468197
Conc: 267.75 ng/ml



#5 AR-1016-3

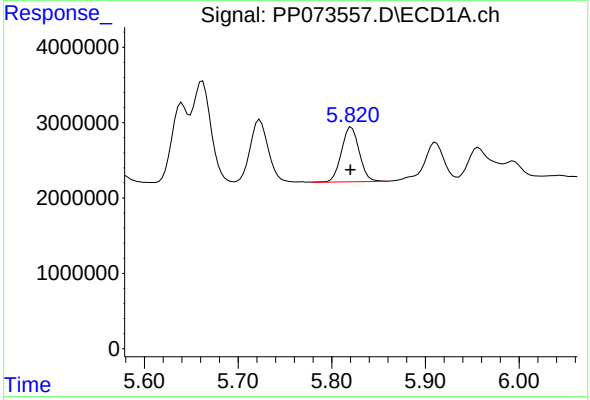
R.T.: 5.723 min
Delta R.T.: 0.000 min
Response: 11597460
Conc: 262.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



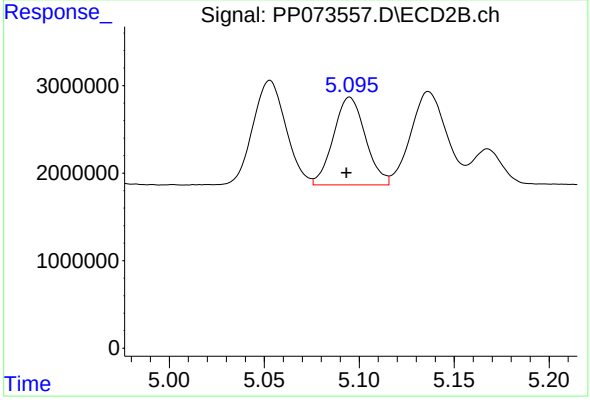
#5 AR-1016-3

R.T.: 5.053 min
Delta R.T.: 0.002 min
Response: 14482667
Conc: 264.05 ng/ml



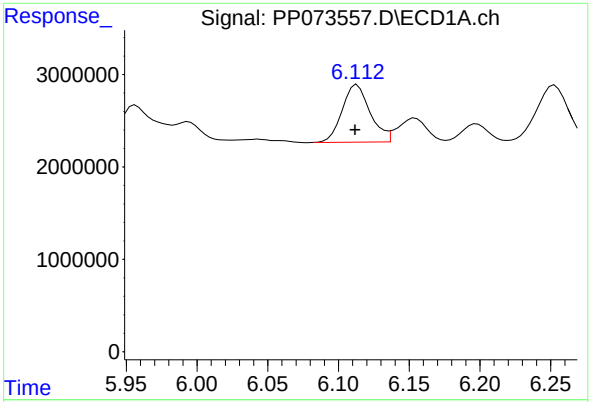
#6 AR-1016-4

R.T.: 5.821 min
Delta R.T.: 0.000 min
Response: 9615182
Conc: 262.77 ng/ml



#6 AR-1016-4

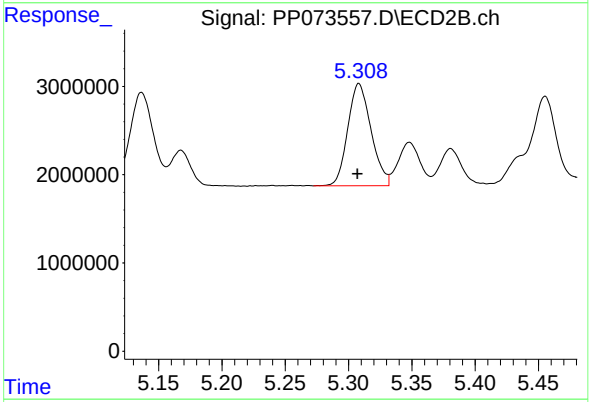
R.T.: 5.095 min
Delta R.T.: 0.002 min
Response: 11760046
Conc: 267.90 ng/ml



#7 AR-1016-5

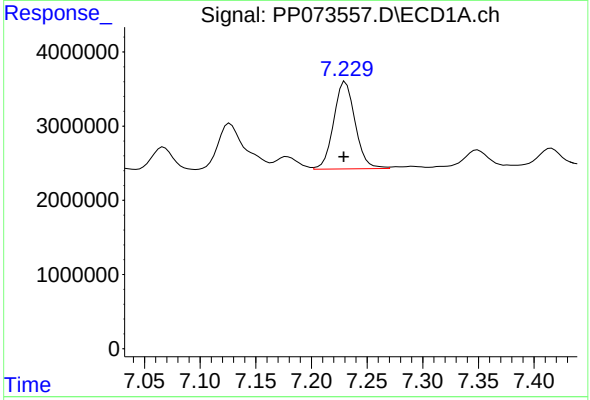
R.T.: 6.113 min
Delta R.T.: 0.001 min
Response: 8568508
Conc: 261.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



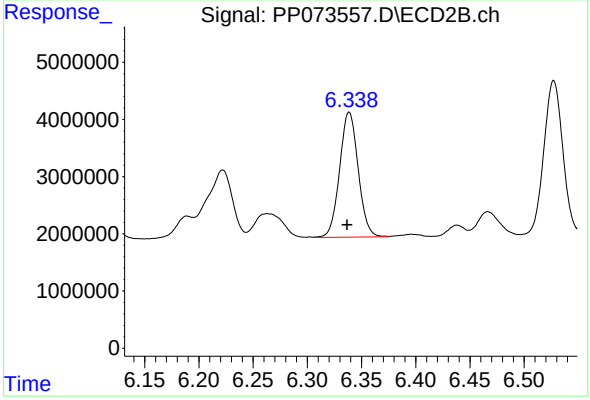
#7 AR-1016-5

R.T.: 5.308 min
Delta R.T.: 0.001 min
Response: 14818058
Conc: 266.22 ng/ml



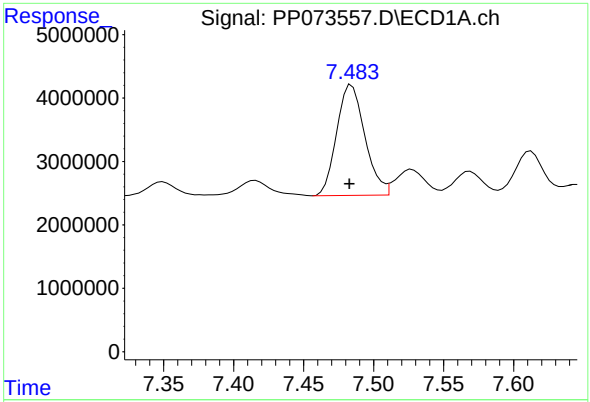
#31 AR-1260-1

R.T.: 7.231 min
Delta R.T.: 0.002 min
Response: 15831007
Conc: 265.34 ng/ml



#31 AR-1260-1

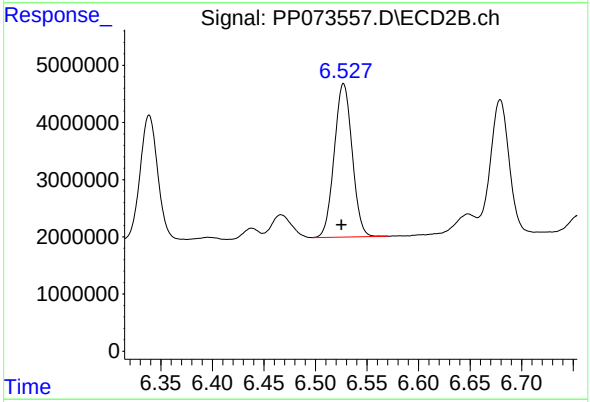
R.T.: 6.339 min
Delta R.T.: 0.002 min
Response: 26051826
Conc: 261.90 ng/ml



#32 AR-1260-2

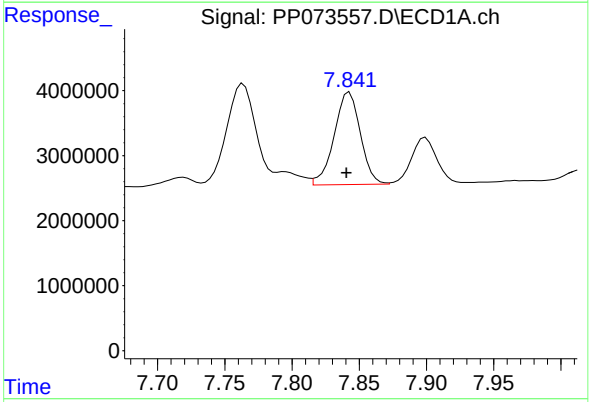
R.T.: 7.484 min
Delta R.T.: 0.002 min
Response: 24493361
Conc: 270.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



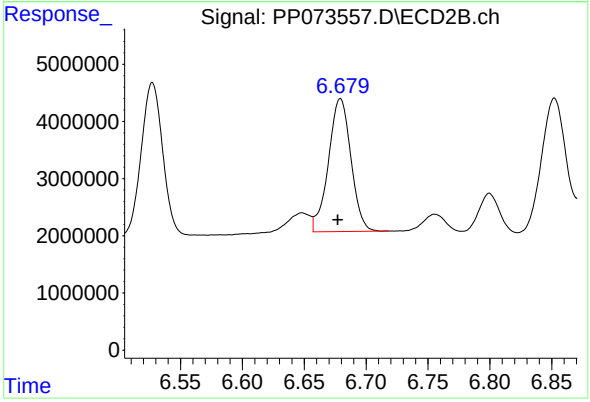
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.002 min
Response: 32462748
Conc: 261.79 ng/ml



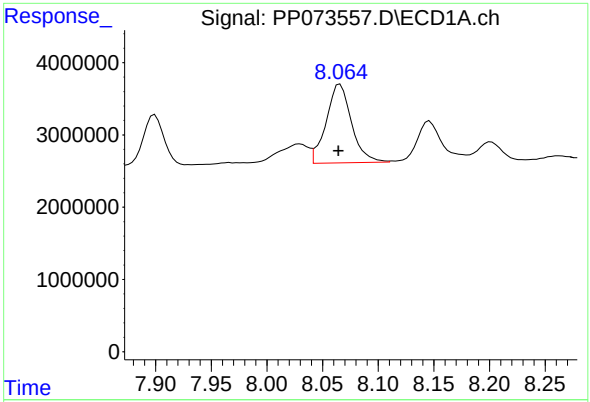
#33 AR-1260-3

R.T.: 7.843 min
Delta R.T.: 0.002 min
Response: 19201014
Conc: 257.07 ng/ml



#33 AR-1260-3

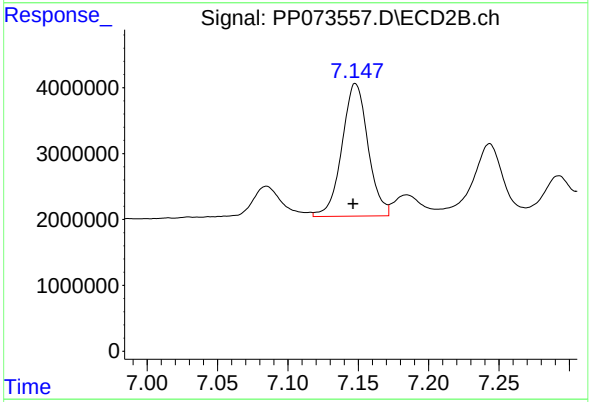
R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 29417085
Conc: 261.97 ng/ml



#34 AR-1260-4

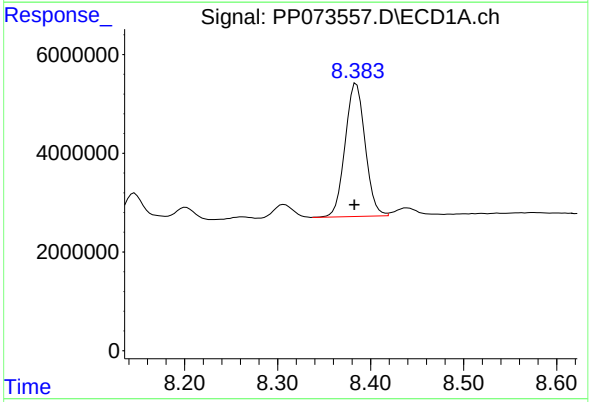
R.T.: 8.066 min
Delta R.T.: 0.001 min
Response: 17258868
Conc: 258.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



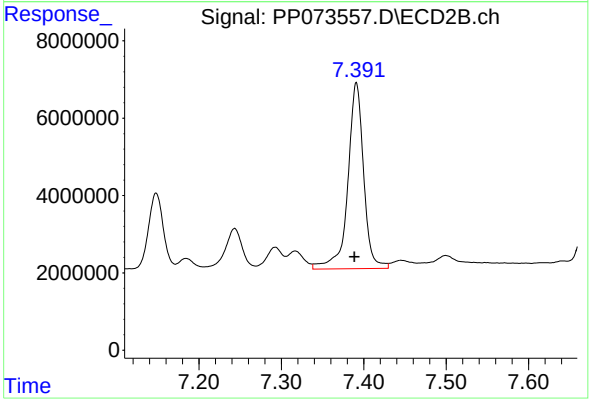
#34 AR-1260-4

R.T.: 7.148 min
Delta R.T.: 0.002 min
Response: 25990153
Conc: 281.43 ng/ml



#35 AR-1260-5

R.T.: 8.385 min
Delta R.T.: 0.002 min
Response: 40210084
Conc: 259.59 ng/ml



#35 AR-1260-5

R.T.: 7.391 min
Delta R.T.: 0.002 min
Response: 64242310
Conc: 276.64 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:08
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: Jul 08 01:40:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.779	6400868	8634125	4.529	4.609
2)	SA Decachlor...	10.173	8.780	4780120	5986472	4.171	4.520
	Target Compounds						
3)	L1 AR-1016-1	5.637	4.857	2553683	3433572	54.174	50.110
4)	L1 AR-1016-2	5.658	4.875	3532445	5058097	49.029	49.304
5)	L1 AR-1016-3	5.719	5.052	2287754	2711653	51.803	49.438
6)	L1 AR-1016-4	5.817	5.094	1779663	2333668	48.635	53.162
7)	L1 AR-1016-5	6.109	5.307	1335478	2709671	40.733	48.682
31)	L7 AR-1260-1	7.226	6.337	2914675	5720547	48.852	57.510
32)	L7 AR-1260-2	7.482	6.525	6085083	6438631	67.317	51.923
33)	L7 AR-1260-3	7.838	6.677	3450365	5301254	46.195	47.209
34)	L7 AR-1260-4	8.061	7.146	3038521	5704265	45.534	61.768 #
35)	L7 AR-1260-5	8.379	7.388	6955237	12058667	44.903	51.927

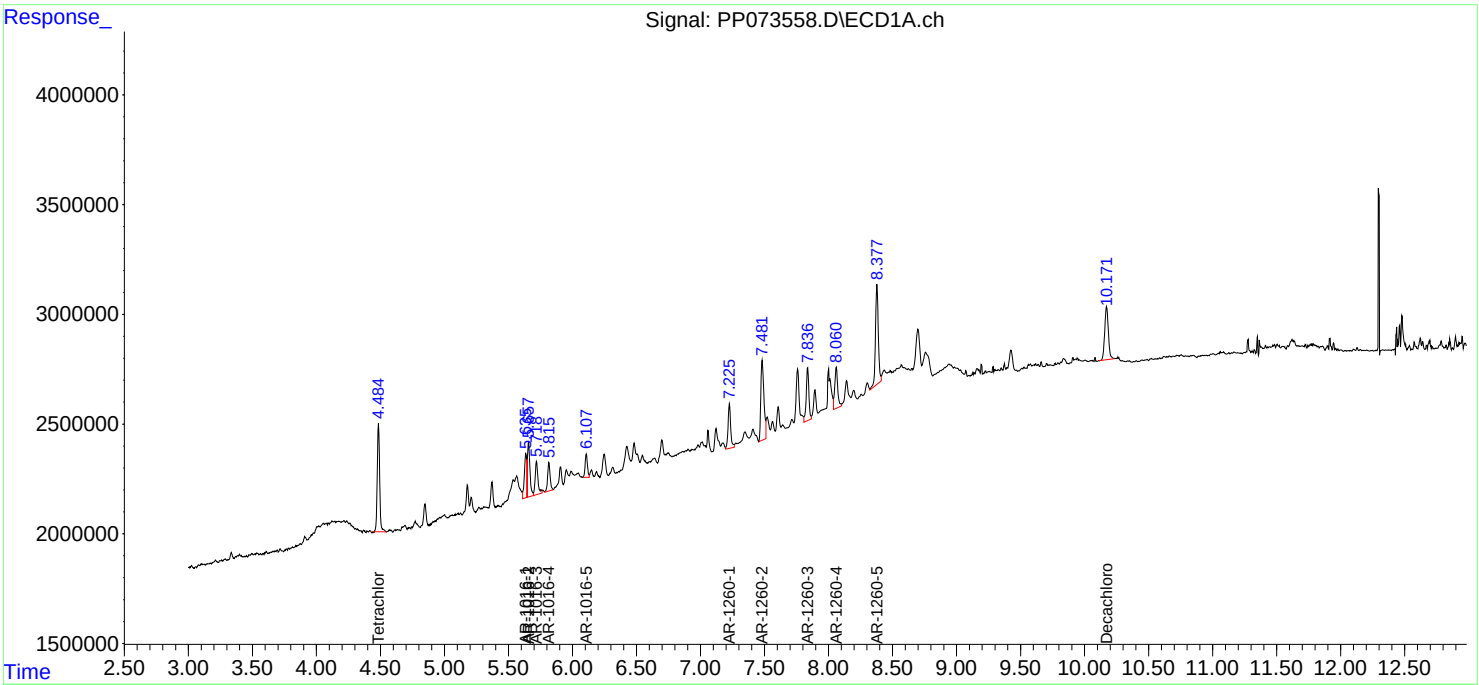
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

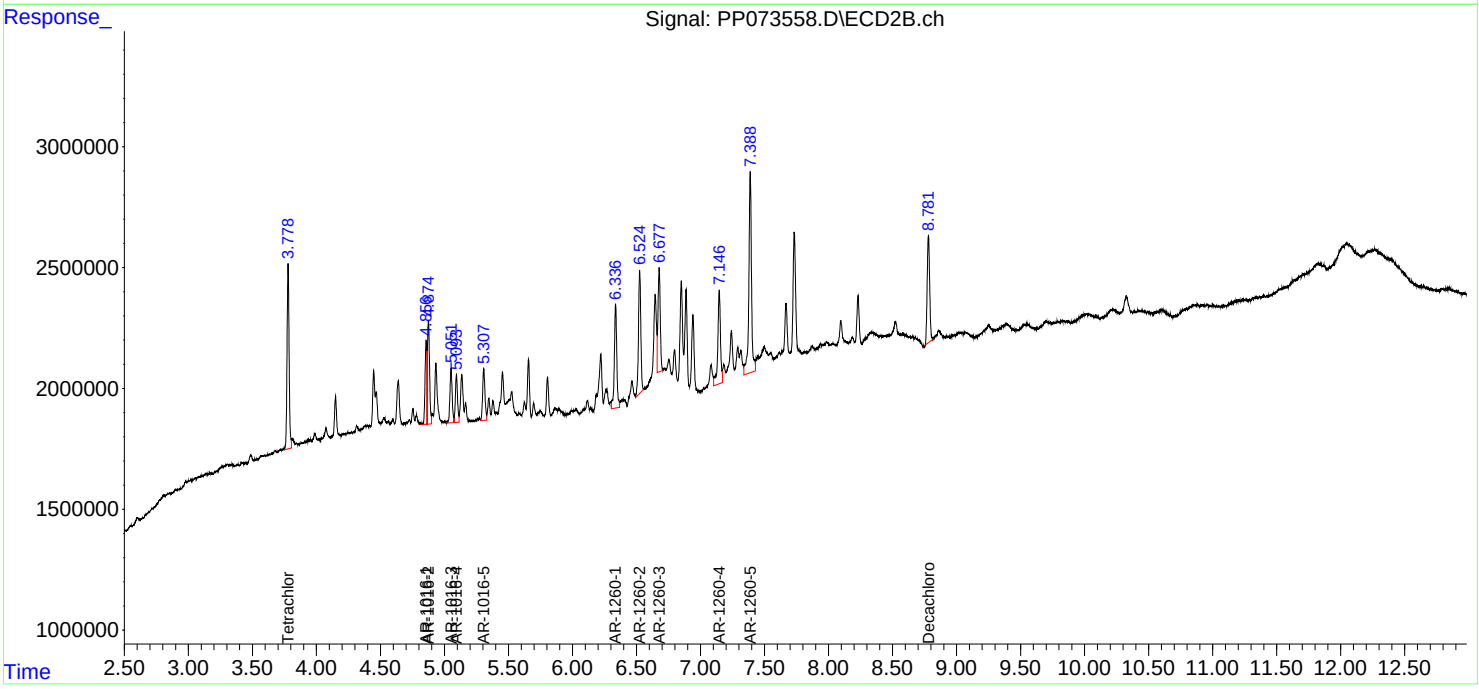
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:08
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

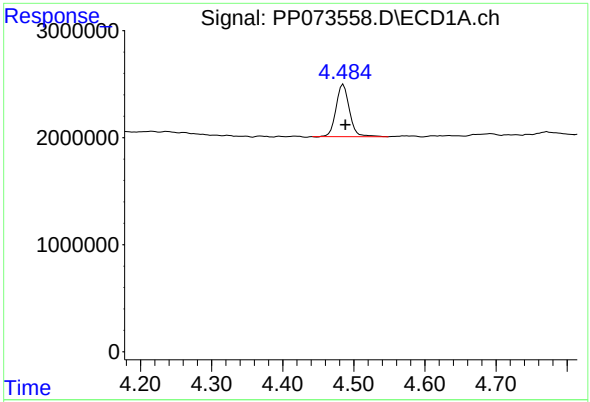
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:40:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 01:37:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



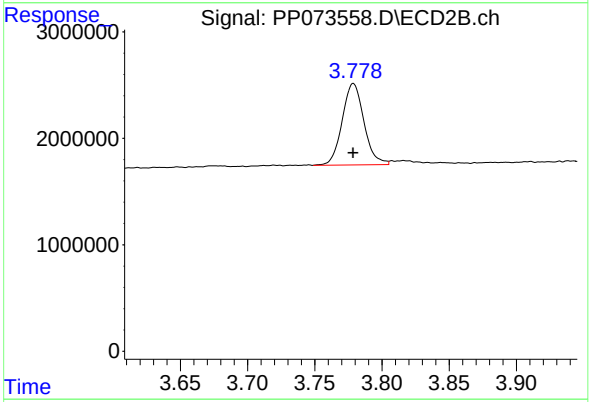




#1 Tetrachloro-m-xylene

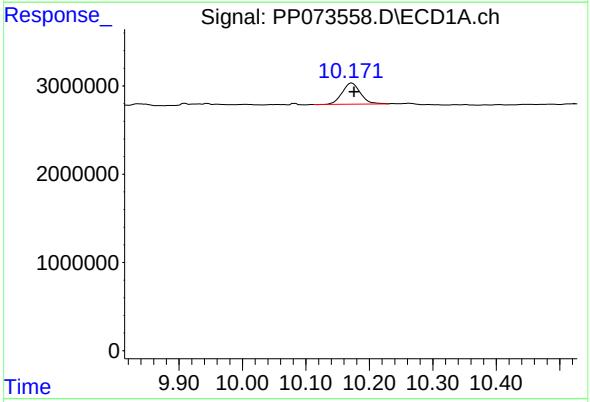
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 6400868
Conc: 4.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



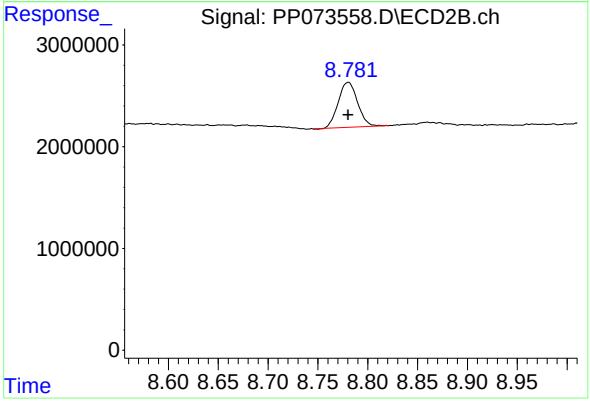
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 8634125
Conc: 4.61 ng/ml



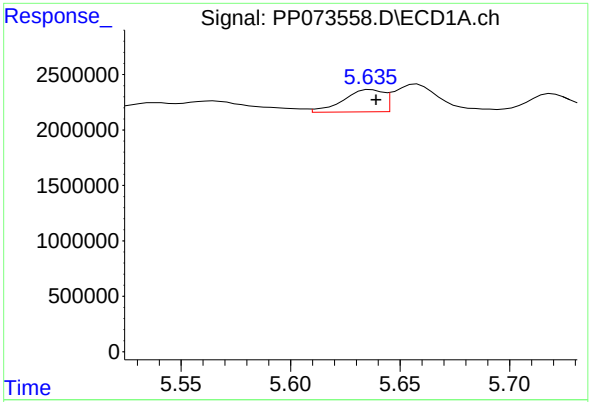
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: -0.004 min
Response: 4780120
Conc: 4.17 ng/ml



#2 Decachlorobiphenyl

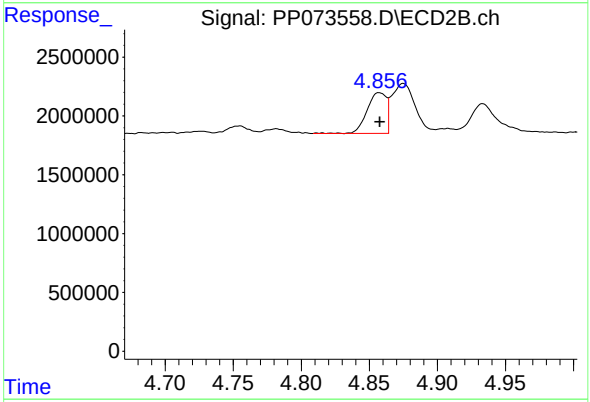
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 5986472
Conc: 4.52 ng/ml



#3 AR-1016-1

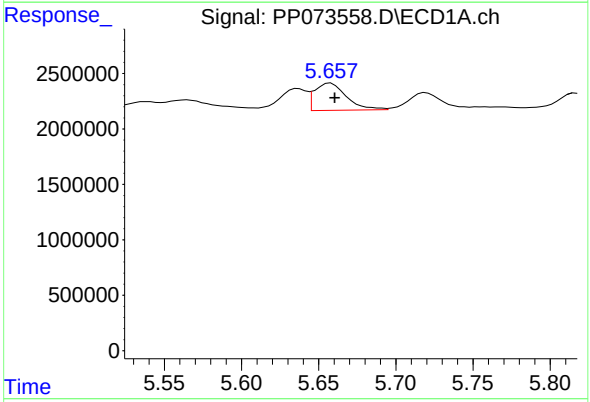
R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 2553683
Conc: 54.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



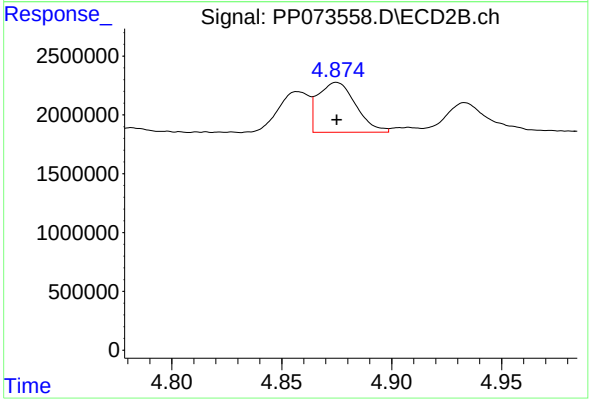
#3 AR-1016-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 3433572
Conc: 50.11 ng/ml



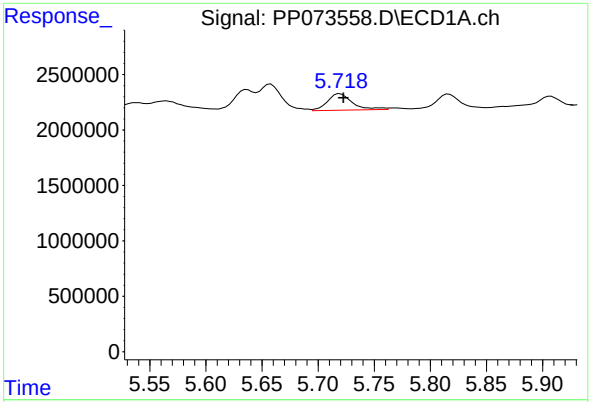
#4 AR-1016-2

R.T.: 5.658 min
Delta R.T.: -0.003 min
Response: 3532445
Conc: 49.03 ng/ml



#4 AR-1016-2

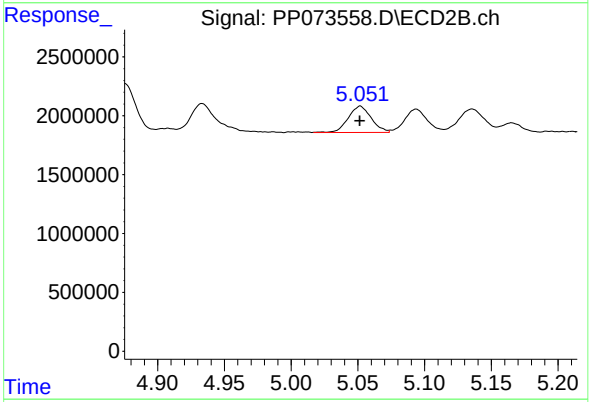
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 5058097
Conc: 49.30 ng/ml



#5 AR-1016-3

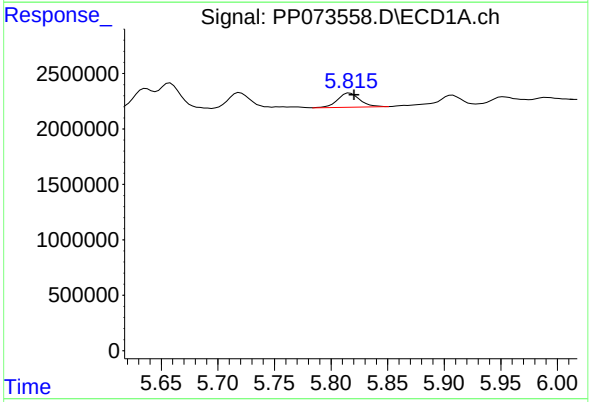
R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 2287754
Conc: 51.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



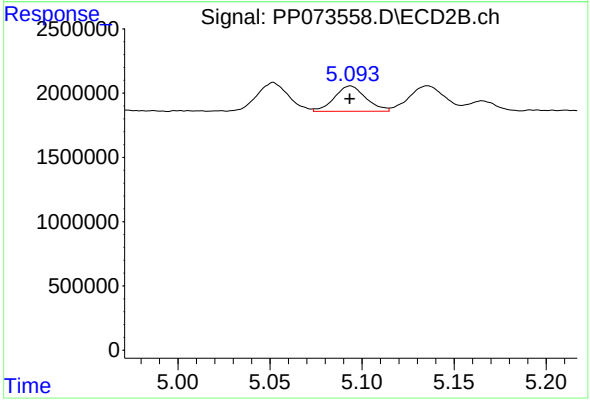
#5 AR-1016-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 2711653
Conc: 49.44 ng/ml



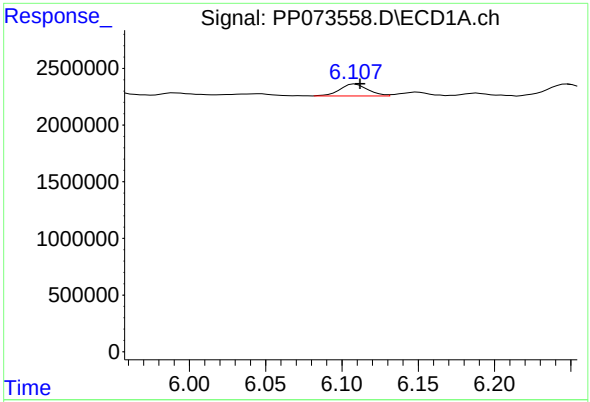
#6 AR-1016-4

R.T.: 5.817 min
Delta R.T.: -0.004 min
Response: 1779663
Conc: 48.64 ng/ml



#6 AR-1016-4

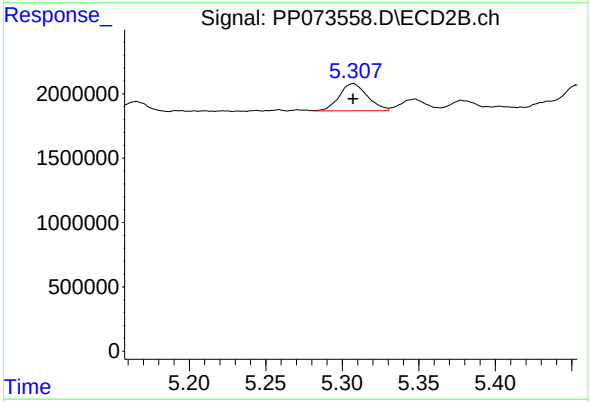
R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 2333668
Conc: 53.16 ng/ml



#7 AR-1016-5

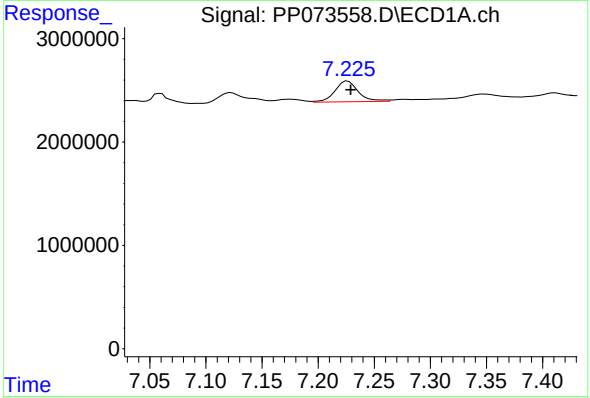
R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 1335478
Conc: 40.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



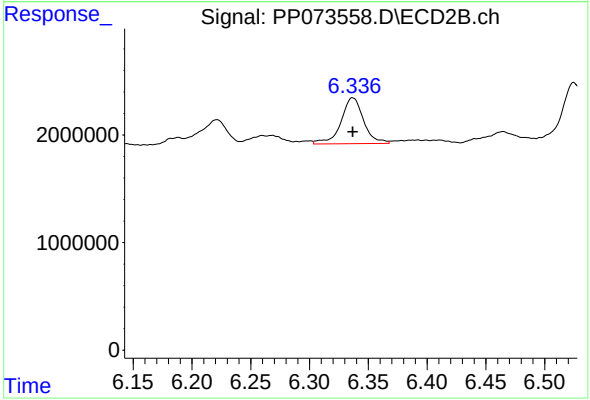
#7 AR-1016-5

R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 2709671
Conc: 48.68 ng/ml



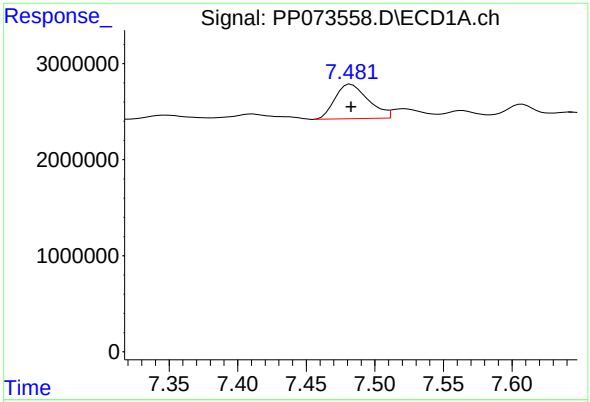
#31 AR-1260-1

R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 2914675
Conc: 48.85 ng/ml



#31 AR-1260-1

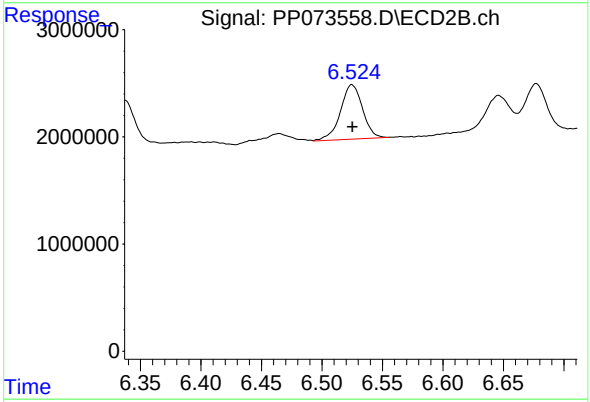
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 5720547
Conc: 57.51 ng/ml



#32 AR-1260-2

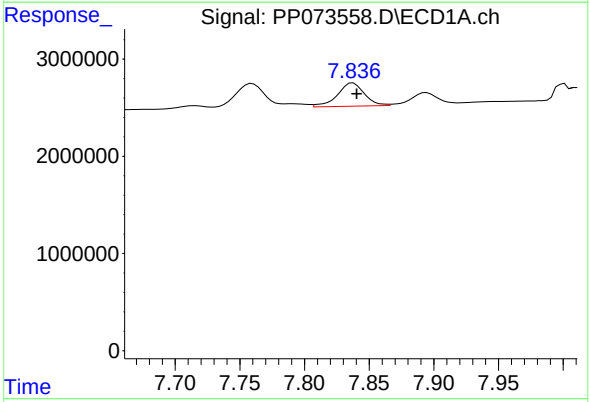
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 6085083
Conc: 67.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



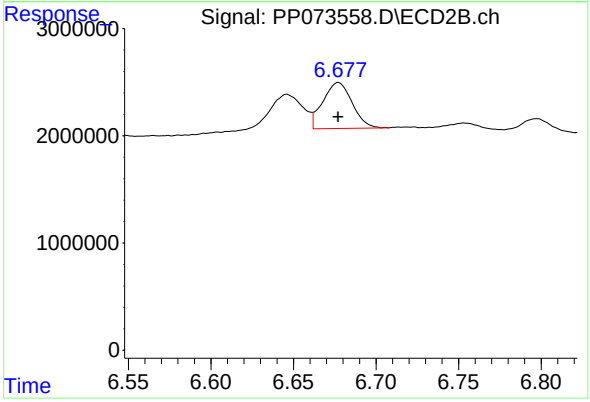
#32 AR-1260-2

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 6438631
Conc: 51.92 ng/ml



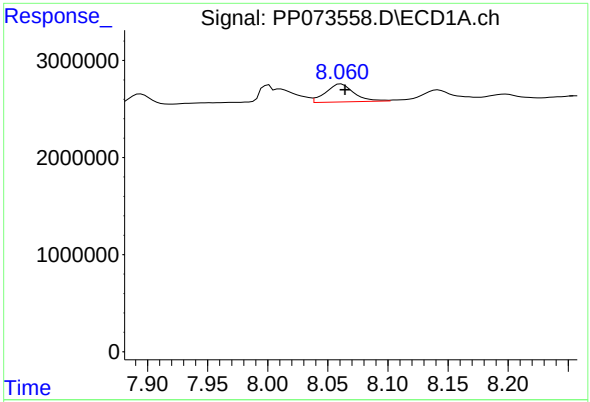
#33 AR-1260-3

R.T.: 7.838 min
Delta R.T.: -0.003 min
Response: 3450365
Conc: 46.20 ng/ml



#33 AR-1260-3

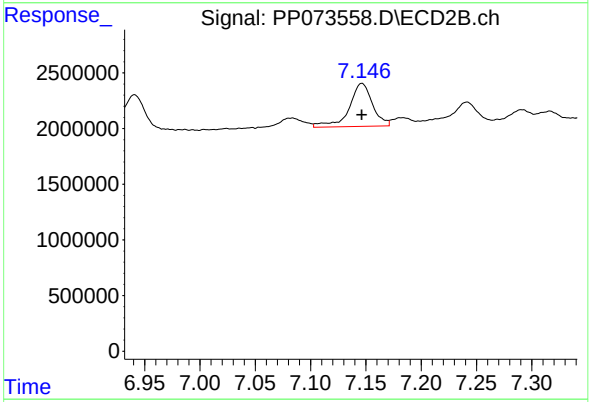
R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 5301254
Conc: 47.21 ng/ml



#34 AR-1260-4

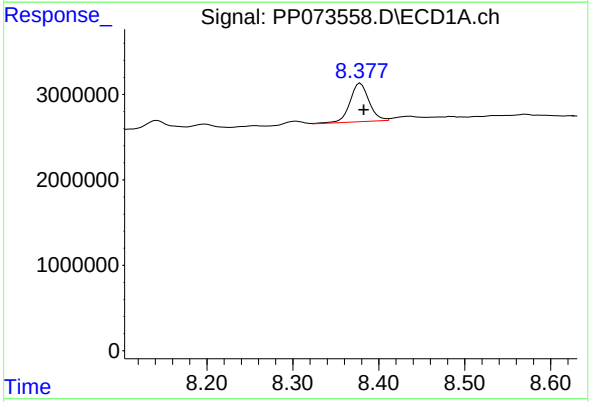
R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 3038521
Conc: 45.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



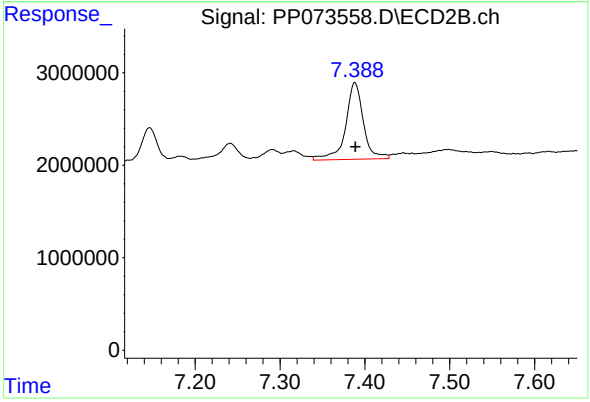
#34 AR-1260-4

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 5704265
Conc: 61.77 ng/ml



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.004 min
Response: 6955237
Conc: 44.90 ng/ml



#35 AR-1260-5

R.T.: 7.388 min
Delta R.T.: 0.000 min
Response: 12058667
Conc: 51.93 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:03
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:05:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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...	4.487	3.779	6312847	8330986	4.423	4.400
2)	SA Decachlor...	10.173	8.780	4963140	5974096	4.336	4.415
	Target Compounds						
16)	L4 AR-1242-1	5.637	4.857	2418928	2804106	59.340	46.472
17)	L4 AR-1242-2	5.658	4.875	3555771	4375880	56.321	49.207
18)	L4 AR-1242-3	5.721	5.052	2548756	2296207	66.954	48.260 #
19)	L4 AR-1242-4	5.818	5.136	1851147	2337623	58.325	51.812
20)	L4 AR-1242-5	6.547	5.657	2626667	2688857	78.753	47.117 #

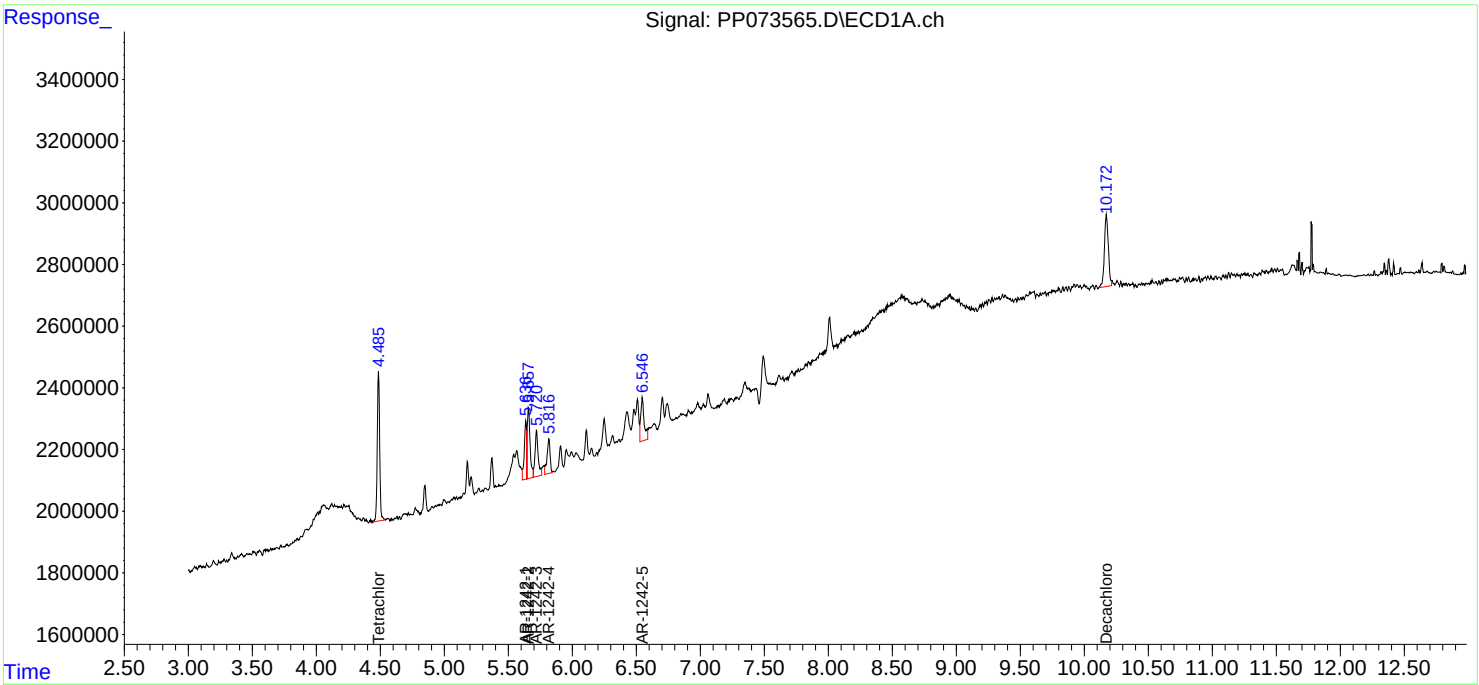
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

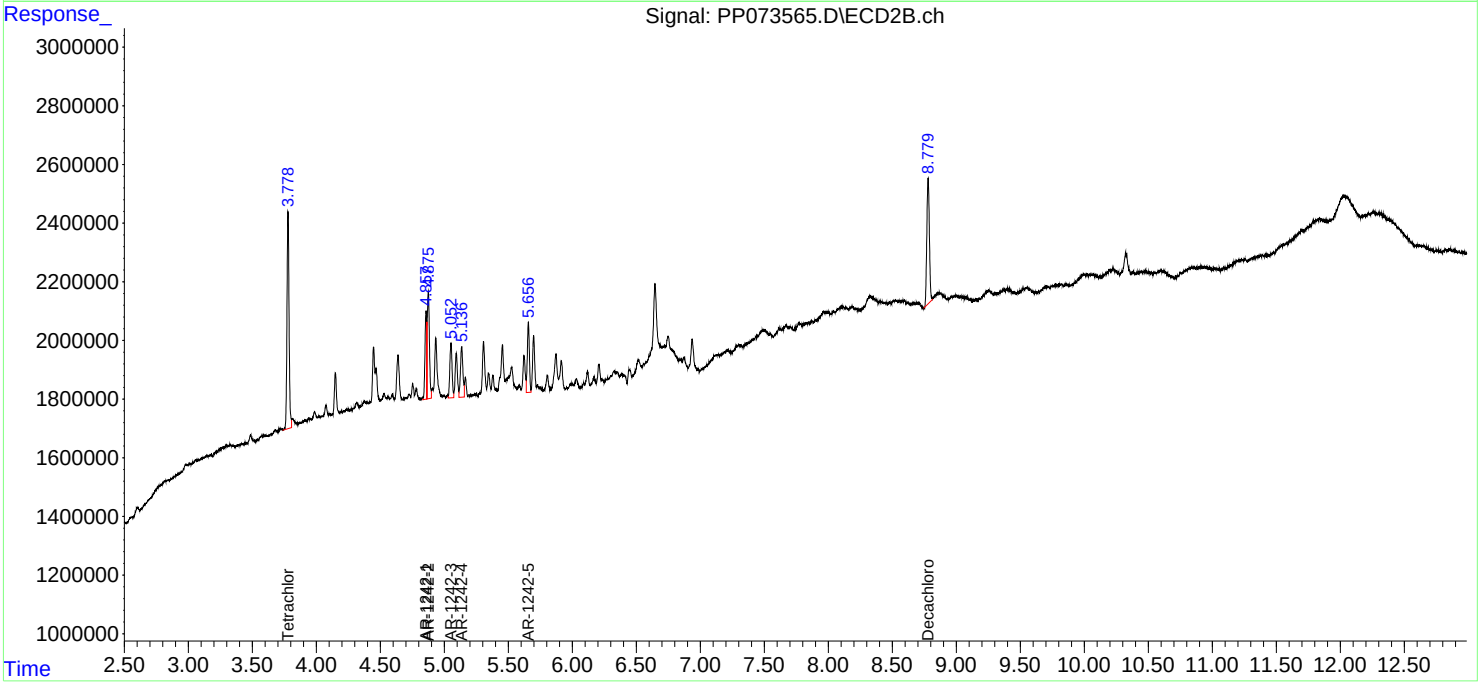
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:03
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

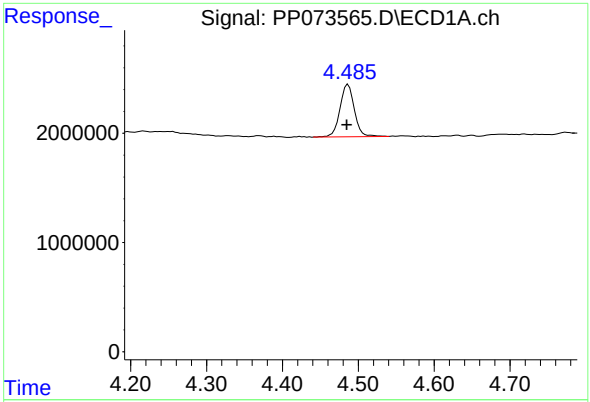
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:05:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:03:06 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



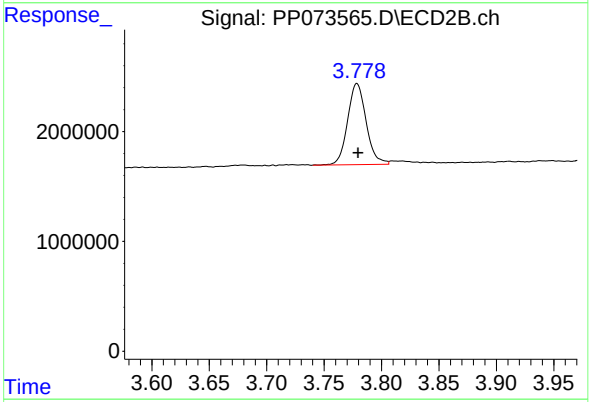




#1 Tetrachloro-m-xylene

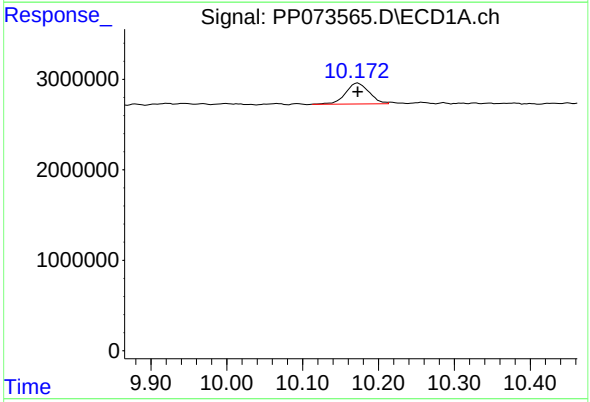
R.T.: 4.487 min
Delta R.T.: 0.002 min
Response: 6312847
Conc: 4.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



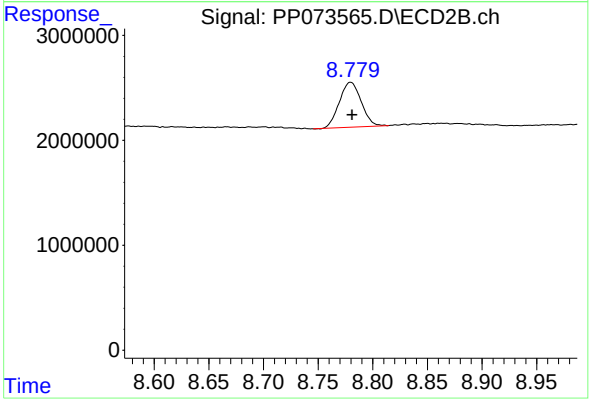
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 8330986
Conc: 4.40 ng/ml



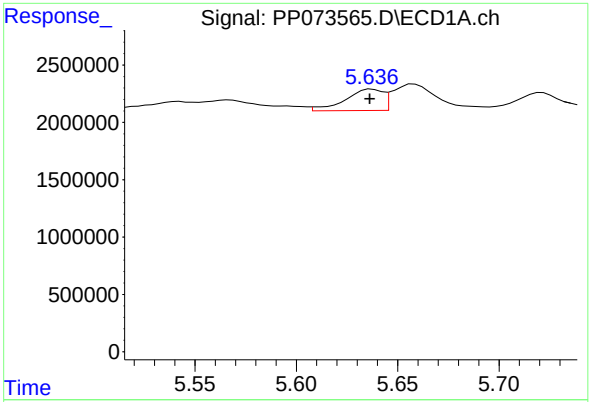
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: 0.000 min
Response: 4963140
Conc: 4.34 ng/ml



#2 Decachlorobiphenyl

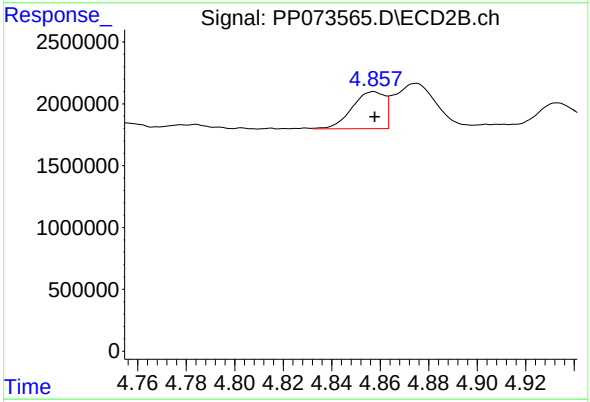
R.T.: 8.780 min
Delta R.T.: -0.001 min
Response: 5974096
Conc: 4.42 ng/ml



#16 AR-1242-1

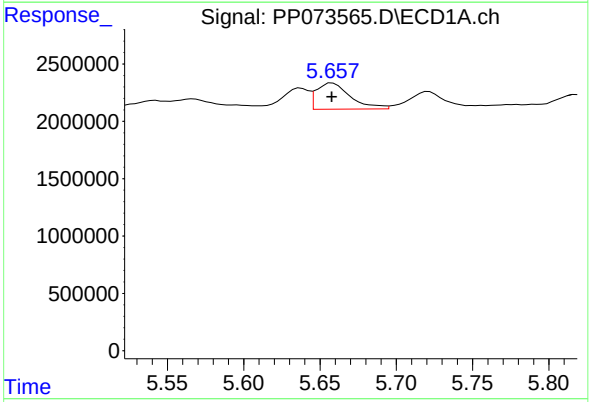
R.T.: 5.637 min
Delta R.T.: 0.001 min
Response: 2418928
Conc: 59.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



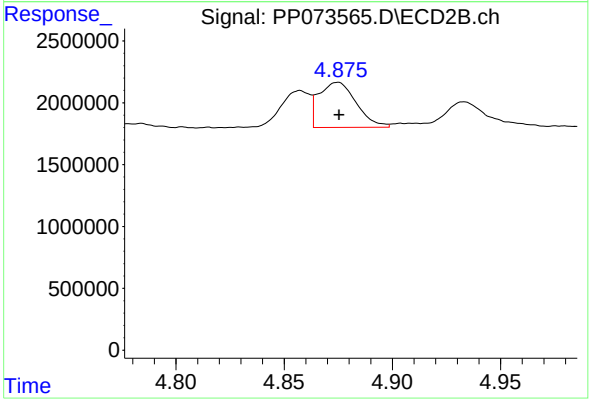
#16 AR-1242-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 2804106
Conc: 46.47 ng/ml



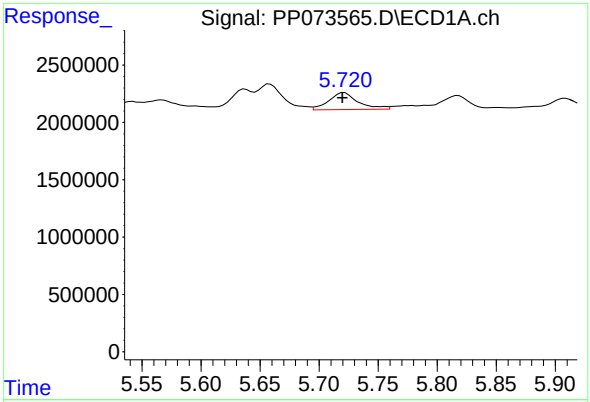
#17 AR-1242-2

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 3555771
Conc: 56.32 ng/ml



#17 AR-1242-2

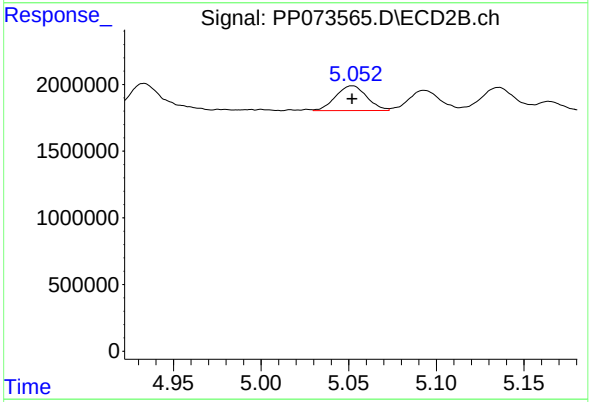
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 4375880
Conc: 49.21 ng/ml



#18 AR-1242-3

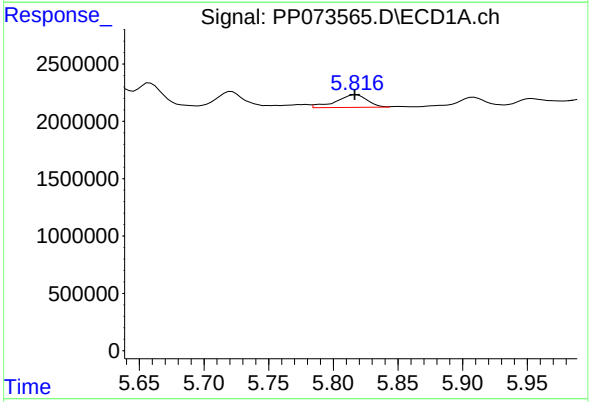
R.T.: 5.721 min
Delta R.T.: 0.002 min
Response: 2548756
Conc: 66.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



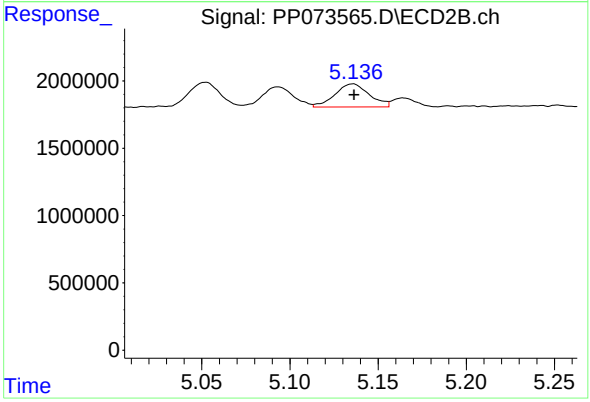
#18 AR-1242-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 2296207
Conc: 48.26 ng/ml



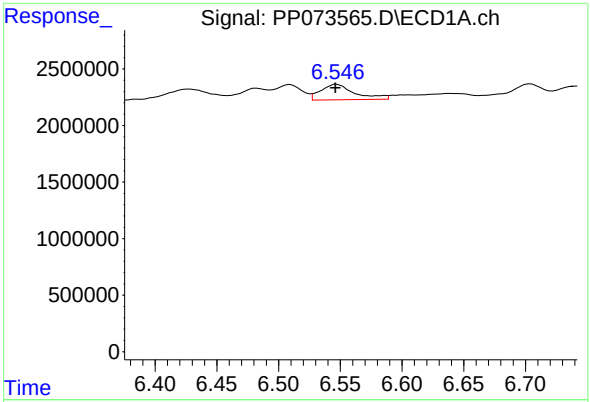
#19 AR-1242-4

R.T.: 5.818 min
Delta R.T.: 0.001 min
Response: 1851147
Conc: 58.32 ng/ml



#19 AR-1242-4

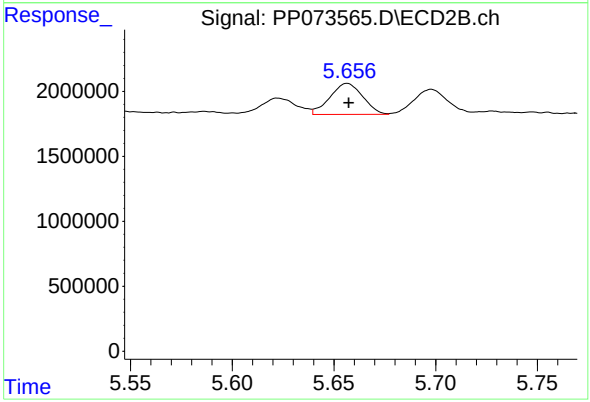
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 2337623
Conc: 51.81 ng/ml



#20 AR-1242-5

R.T.: 6.547 min
Delta R.T.: 0.001 min
Response: 2626667
Conc: 78.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 2688857
Conc: 47.12 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.779	6203851	8373290	4.383	4.383
2)	SA Decachlor...	10.173	8.780	4448332	5794229	3.885	4.259
	Target Compounds						
21)	L5 AR-1248-1	5.635	4.857	1669049	2193065	53.053	48.535
22)	L5 AR-1248-2	5.906	5.093	1882218	3238127	46.434	52.322
23)	L5 AR-1248-3	6.108	5.135	1881440	3334641	40.834	51.774 #
24)	L5 AR-1248-4	6.508	5.307	2994458	3957834	52.399	52.555
25)	L5 AR-1248-5	6.546	5.698	3079701	3594939	55.232	47.040

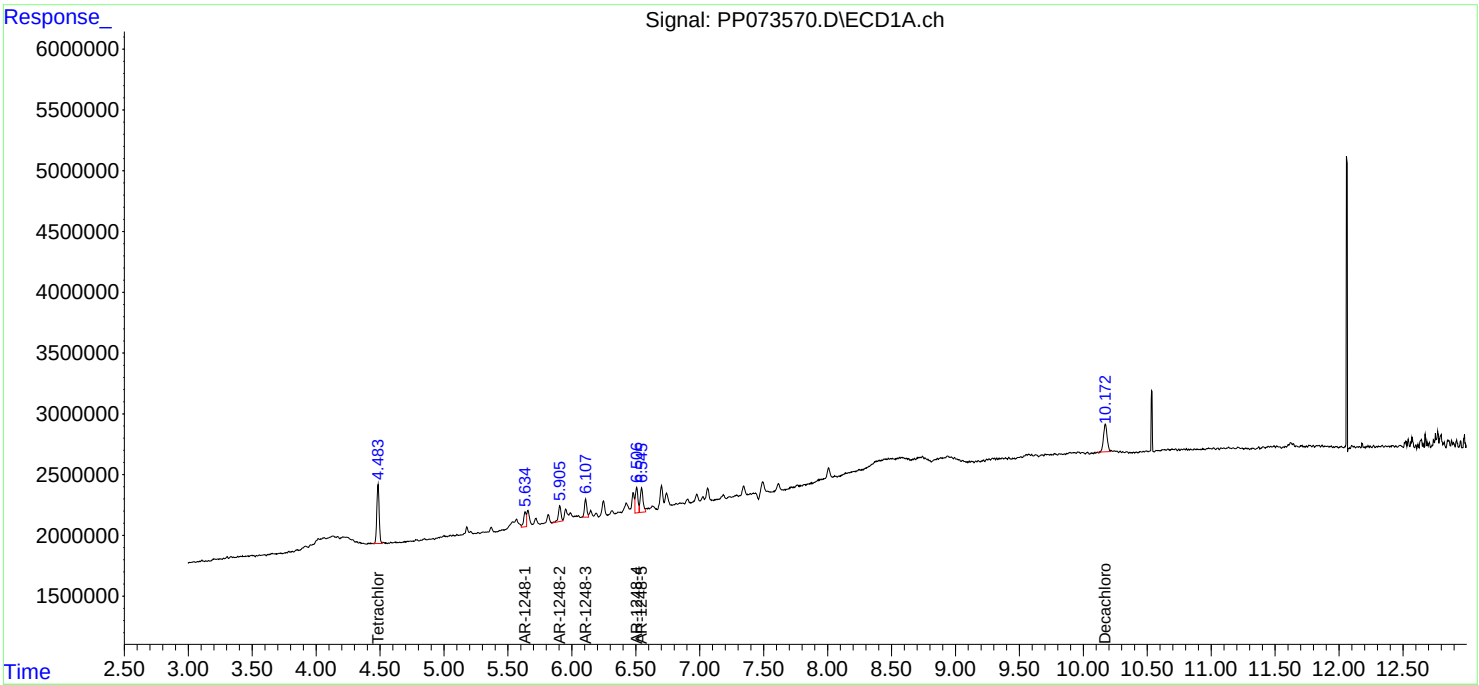
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

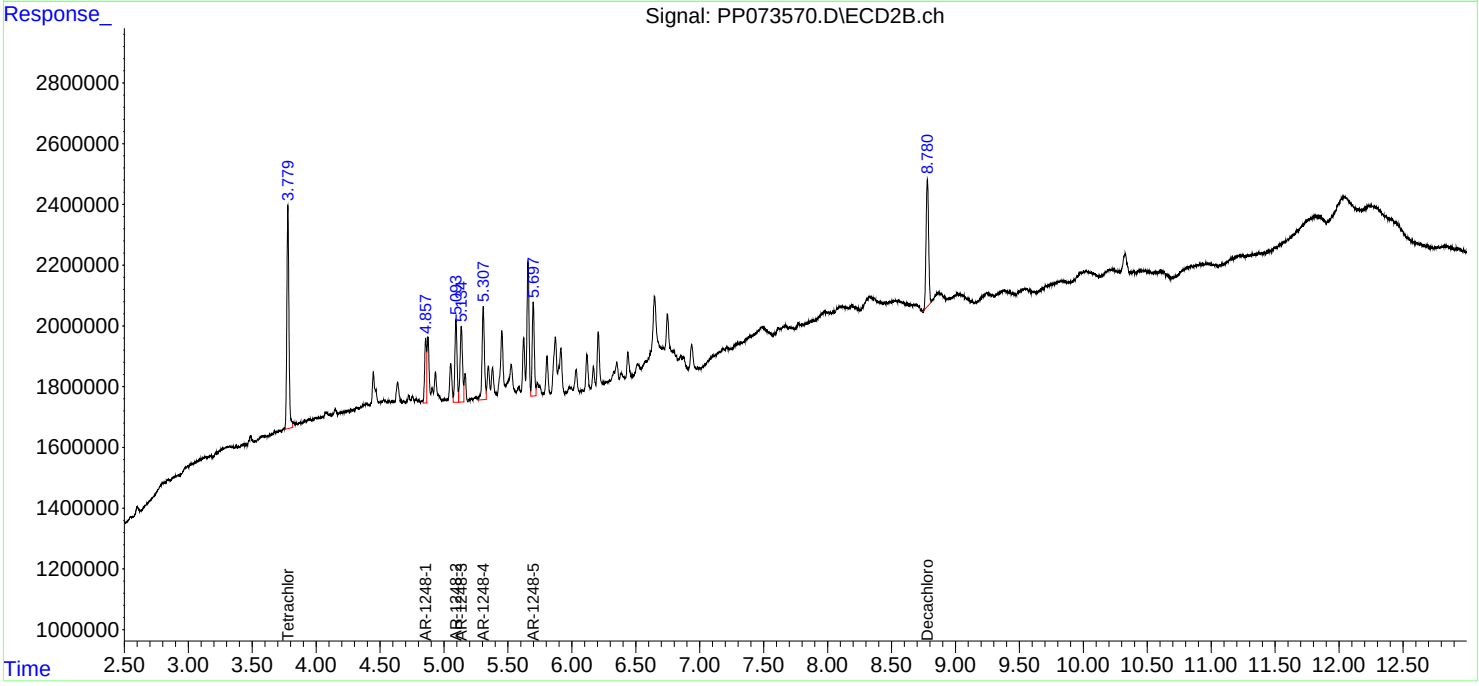
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

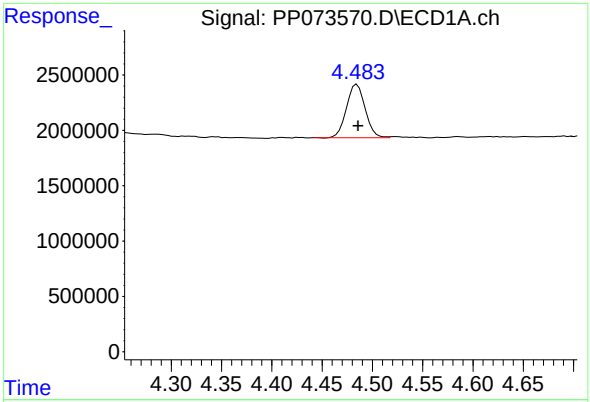
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:20:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



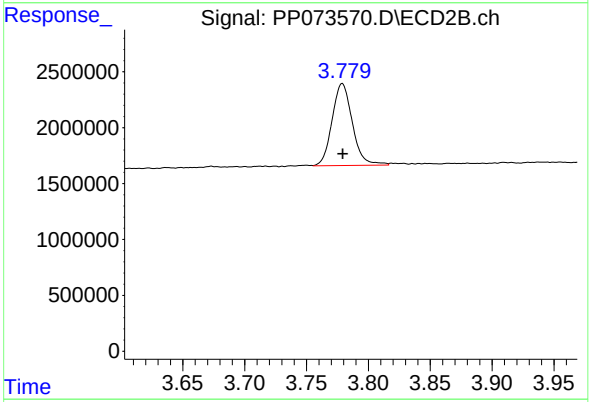




#1 Tetrachloro-m-xylene

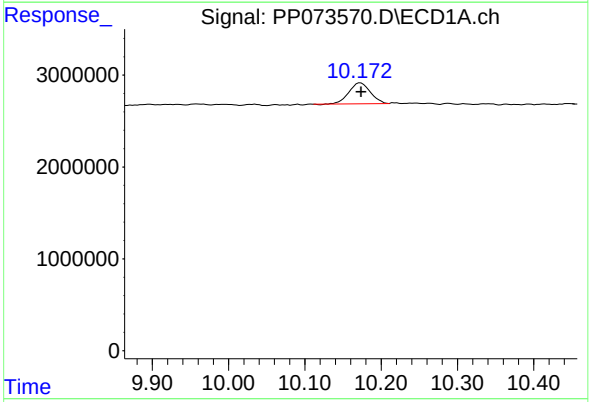
R.T.: 4.485 min
Delta R.T.: -0.001 min
Response: 6203851
Conc: 4.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



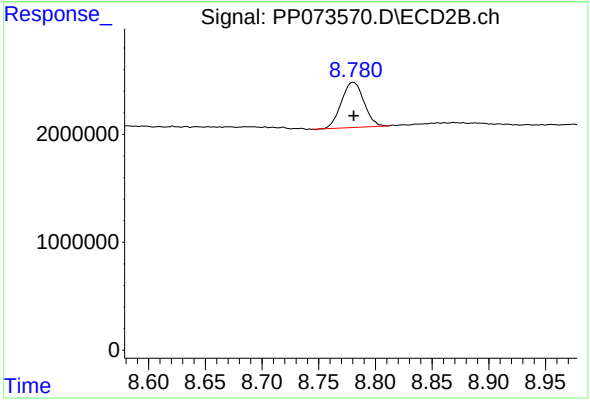
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 8373290
Conc: 4.38 ng/ml



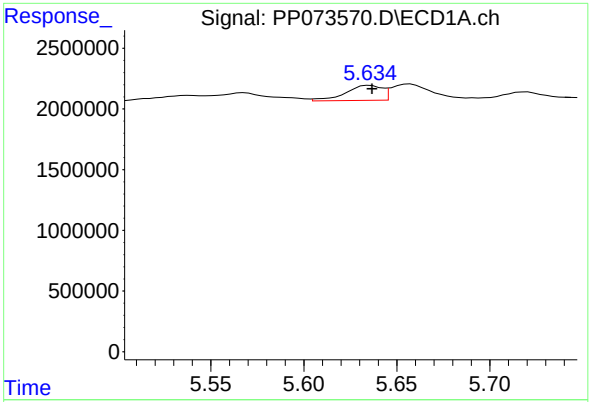
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: 0.000 min
Response: 4448332
Conc: 3.88 ng/ml



#2 Decachlorobiphenyl

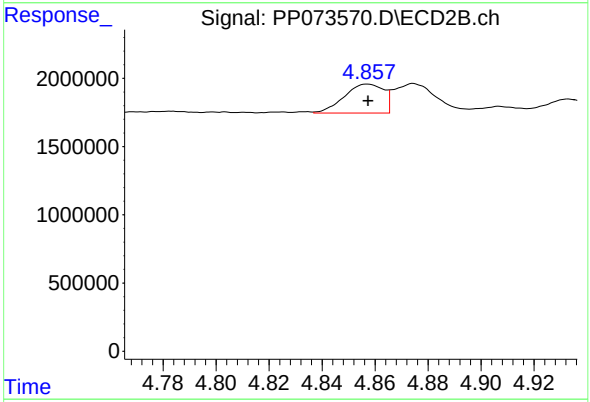
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 5794229
Conc: 4.26 ng/ml



#21 AR-1248-1

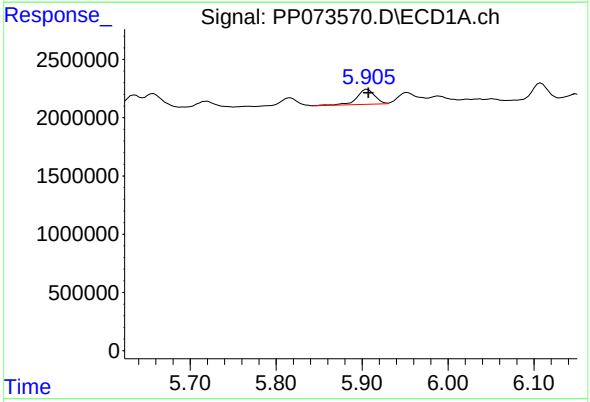
R.T.: 5.635 min
Delta R.T.: -0.001 min
Response: 1669049
Conc: 53.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



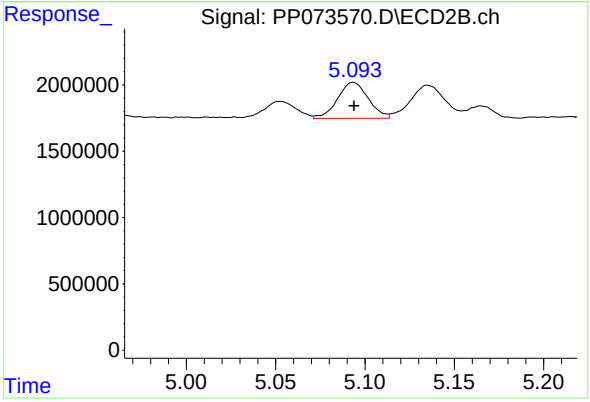
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 2193065
Conc: 48.53 ng/ml



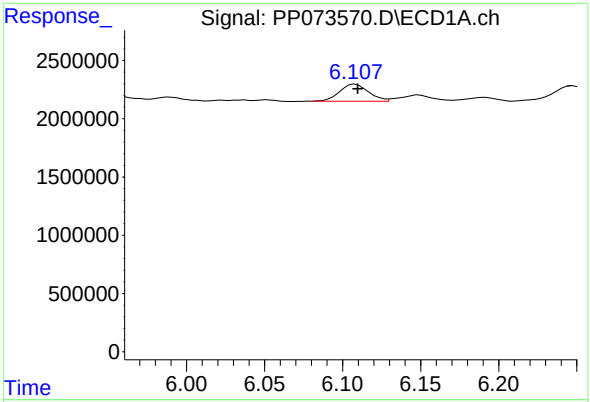
#22 AR-1248-2

R.T.: 5.906 min
Delta R.T.: -0.001 min
Response: 1882218
Conc: 46.43 ng/ml



#22 AR-1248-2

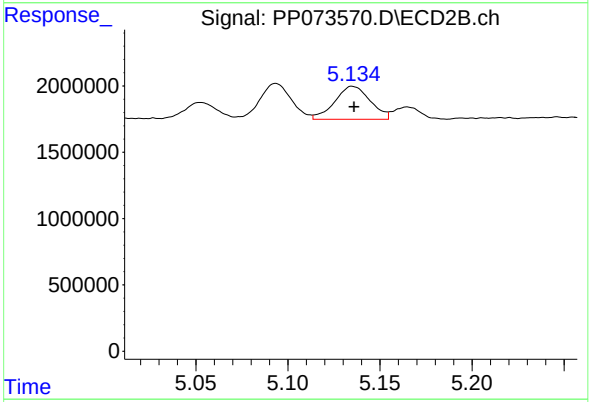
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 3238127
Conc: 52.32 ng/ml



#23 AR-1248-3

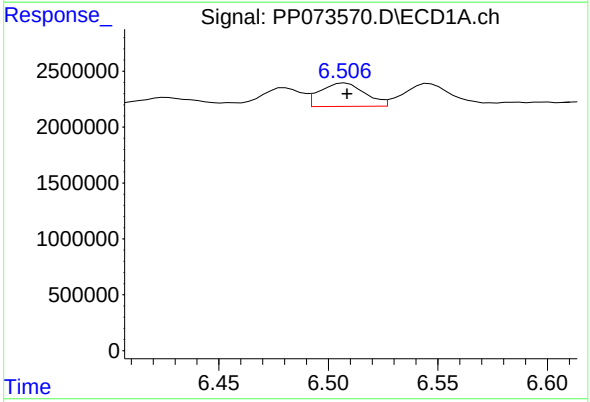
R.T.: 6.108 min
Delta R.T.: -0.001 min
Response: 1881440
Conc: 40.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



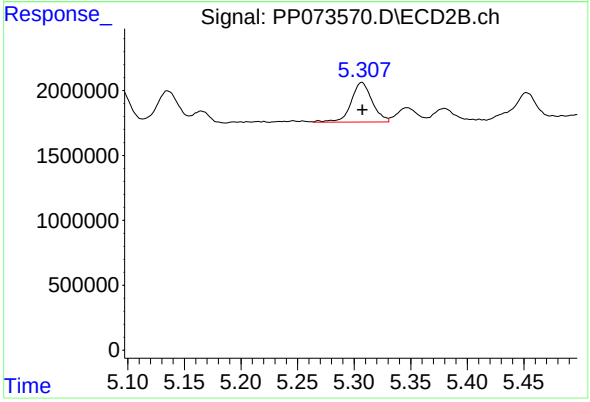
#23 AR-1248-3

R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 3334641
Conc: 51.77 ng/ml



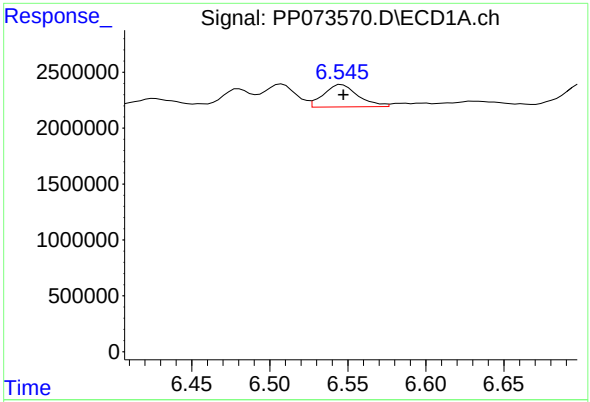
#24 AR-1248-4

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 2994458
Conc: 52.40 ng/ml



#24 AR-1248-4

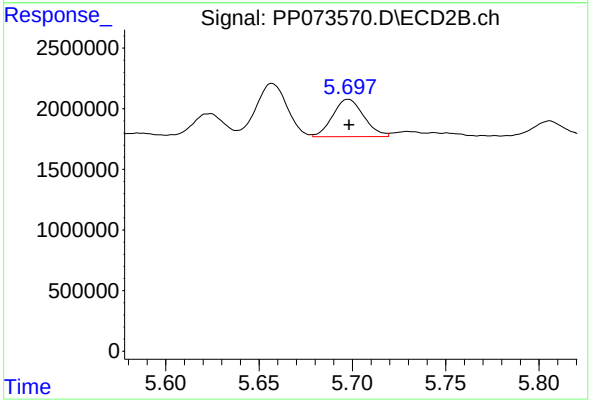
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 3957834
Conc: 52.56 ng/ml



#25 AR-1248-5

R.T.: 6.546 min
Delta R.T.: -0.001 min
Response: 3079701
Conc: 55.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3594939
Conc: 47.04 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:46
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 03:42:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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...	4.488	3.779	6938090	9721913	4.952	5.138
2)	SA Decachlor...	10.178	8.780	5667149	6887289	4.948	5.019
	Target Compounds						
26)	L6 AR-1254-1	6.486	5.657	3346488	6452648	60.615	57.447
27)	L6 AR-1254-2	6.703	5.806	4971490	5754555	60.232	59.894
28)	L6 AR-1254-3	7.065	6.207	5174325	8163980	58.472	53.675
29)	L6 AR-1254-4	7.349	6.436	5012264	4857854	62.974	51.487
30)	L6 AR-1254-5	7.764	6.851	3548489	7039930	47.554	53.848

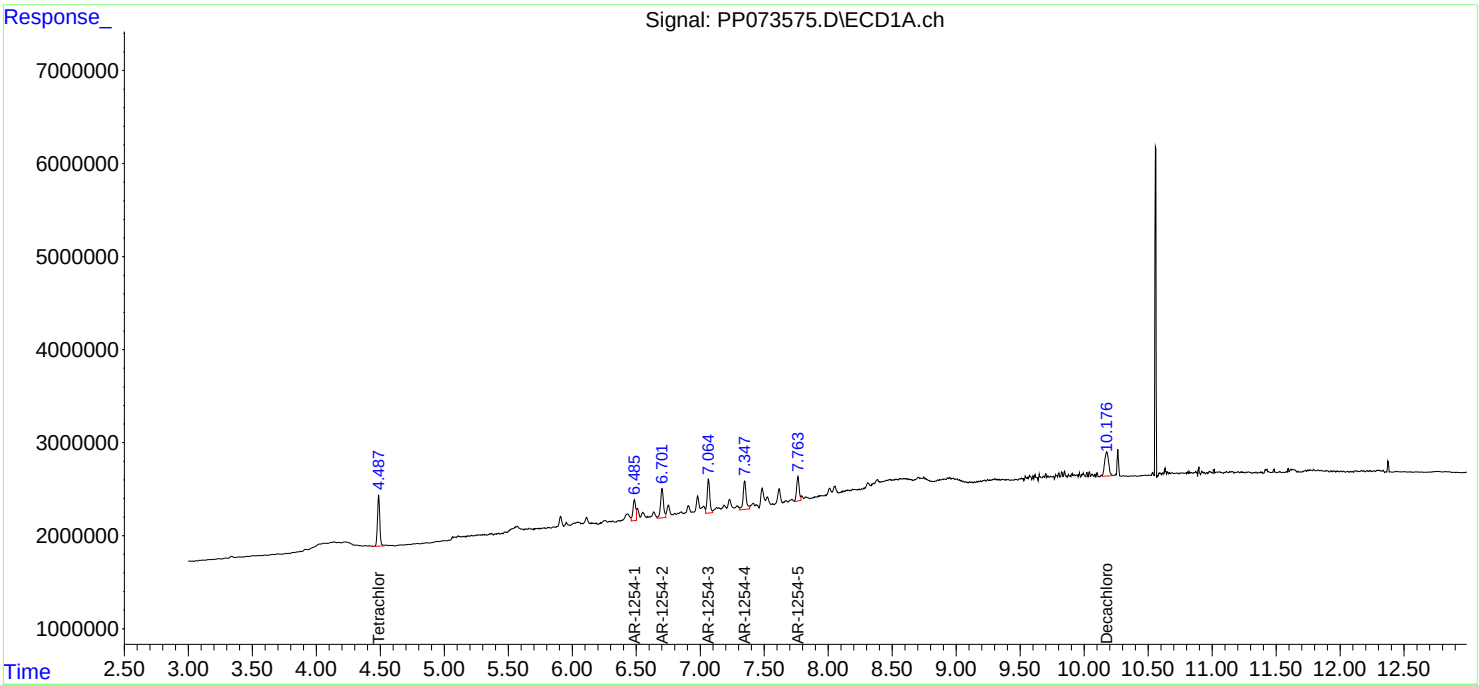
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

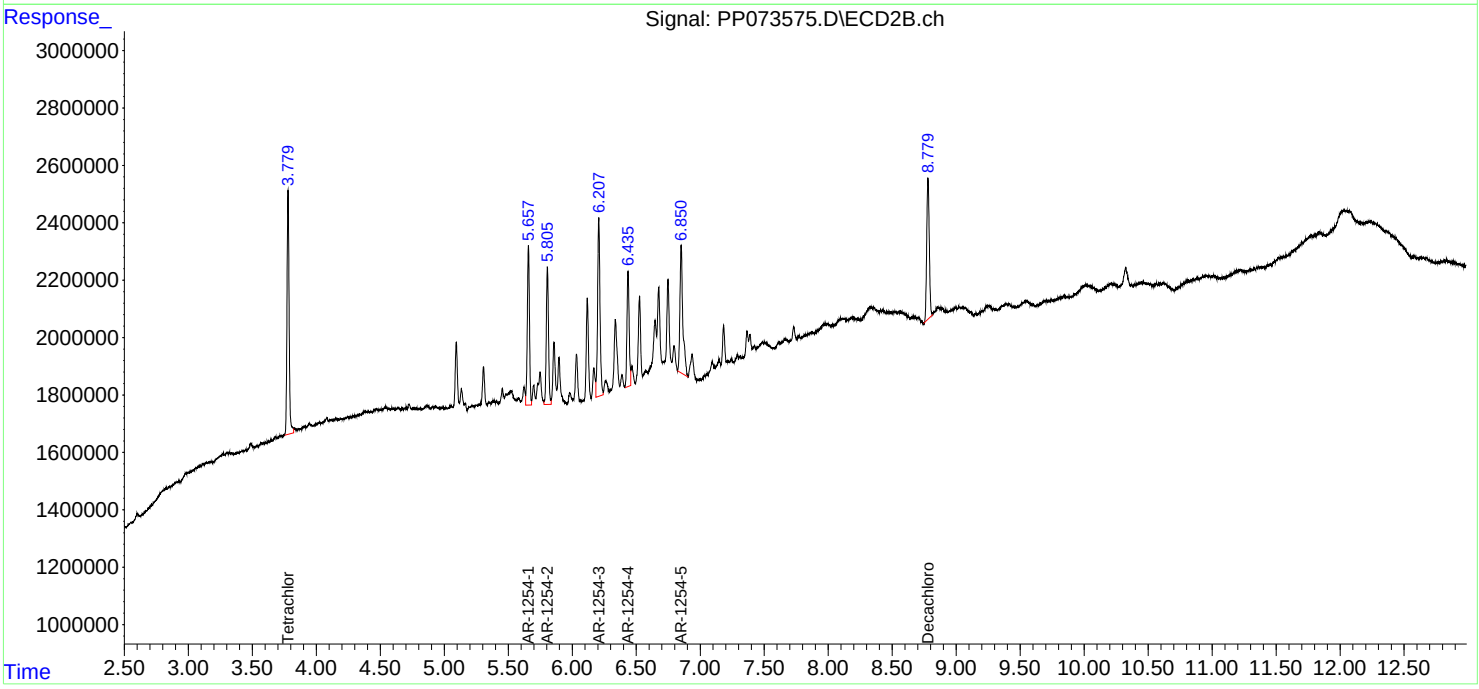
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:46
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

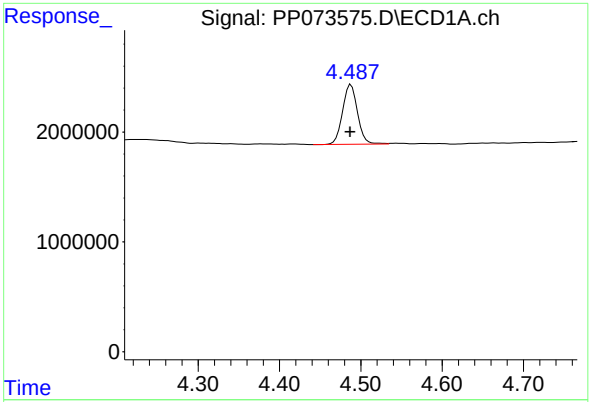
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 03:42:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 02:41:54 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



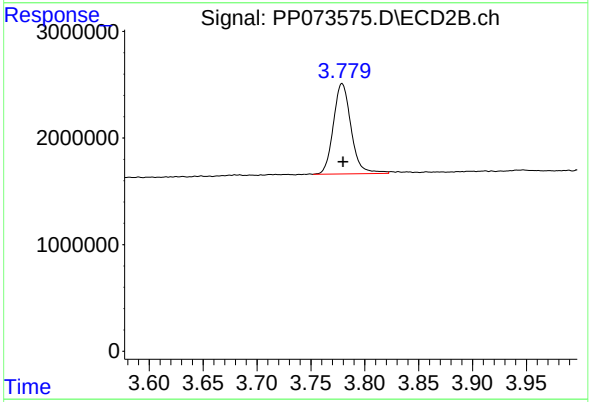




#1 Tetrachloro-m-xylene

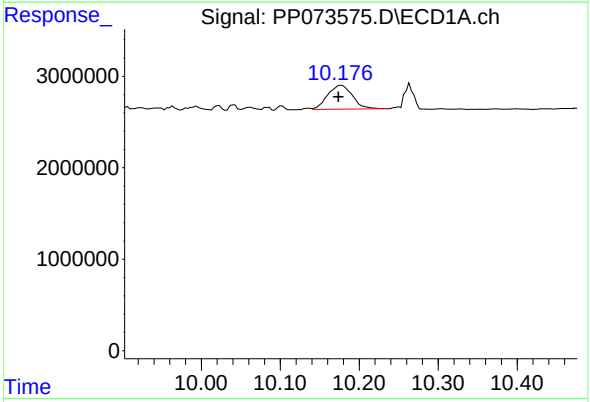
R.T.: 4.488 min
Delta R.T.: 0.001 min
Response: 6938090
Conc: 4.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



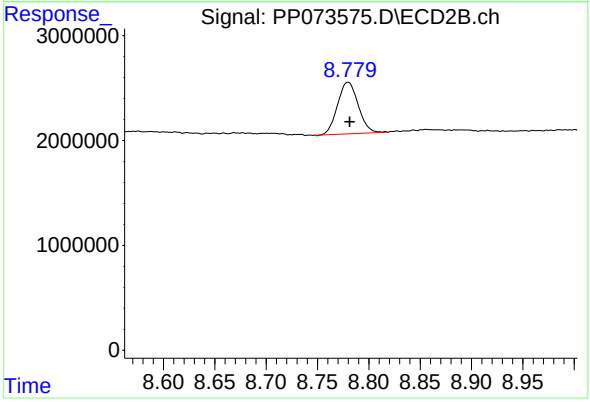
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 9721913
Conc: 5.14 ng/ml



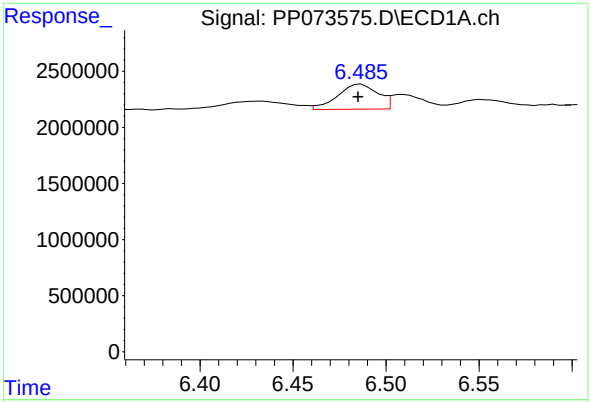
#2 Decachlorobiphenyl

R.T.: 10.178 min
Delta R.T.: 0.004 min
Response: 5667149
Conc: 4.95 ng/ml



#2 Decachlorobiphenyl

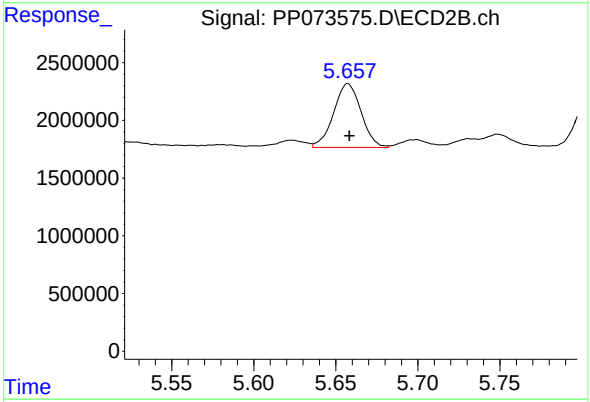
R.T.: 8.780 min
Delta R.T.: -0.002 min
Response: 6887289
Conc: 5.02 ng/ml



#26 AR-1254-1

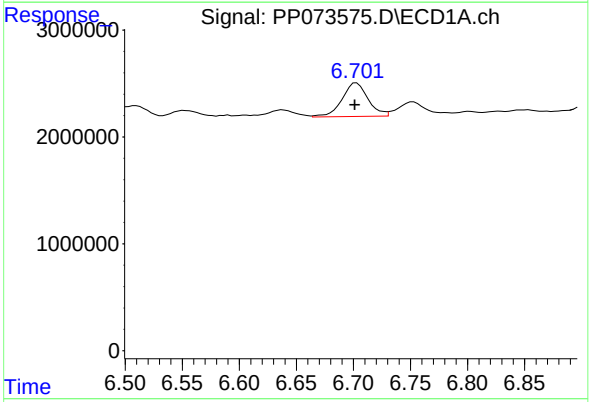
R.T.: 6.486 min
Delta R.T.: 0.002 min
Response: 3346488
Conc: 60.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



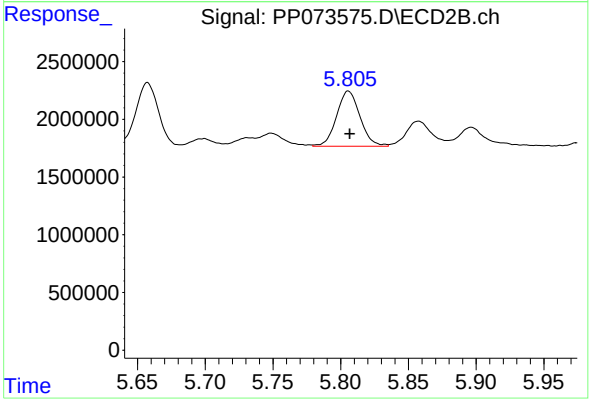
#26 AR-1254-1

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 6452648
Conc: 57.45 ng/ml



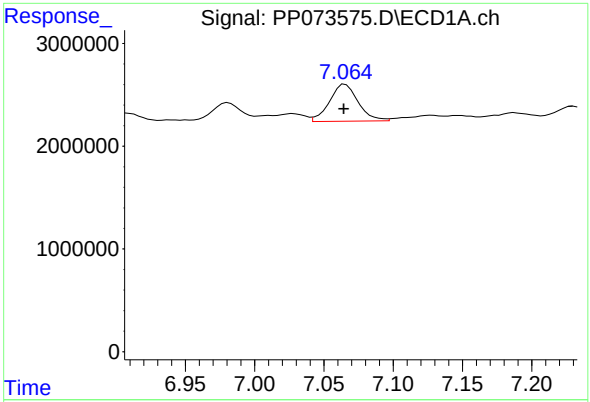
#27 AR-1254-2

R.T.: 6.703 min
Delta R.T.: 0.002 min
Response: 4971490
Conc: 60.23 ng/ml



#27 AR-1254-2

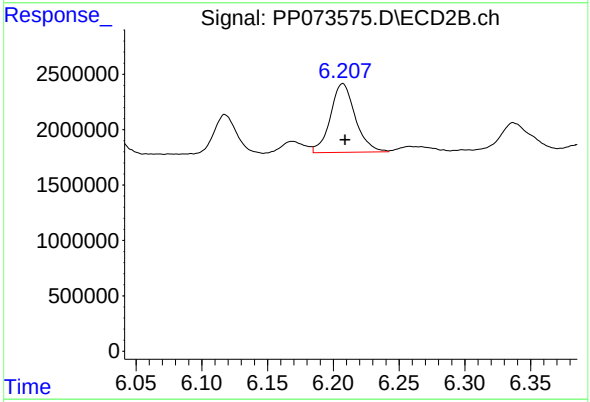
R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 5754555
Conc: 59.89 ng/ml



#28 AR-1254-3

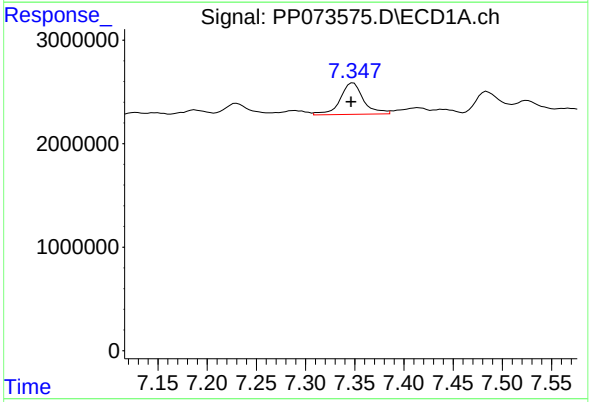
R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 5174325
Conc: 58.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



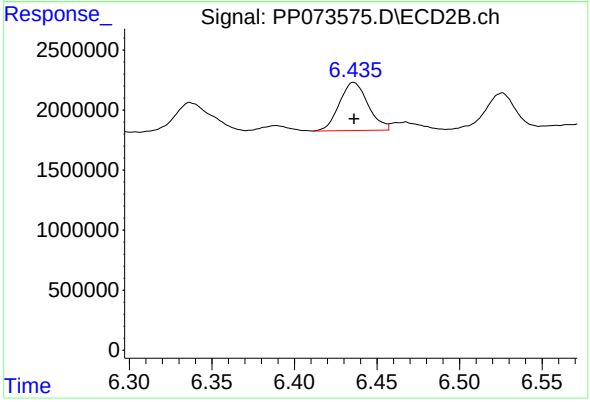
#28 AR-1254-3

R.T.: 6.207 min
Delta R.T.: -0.002 min
Response: 8163980
Conc: 53.68 ng/ml



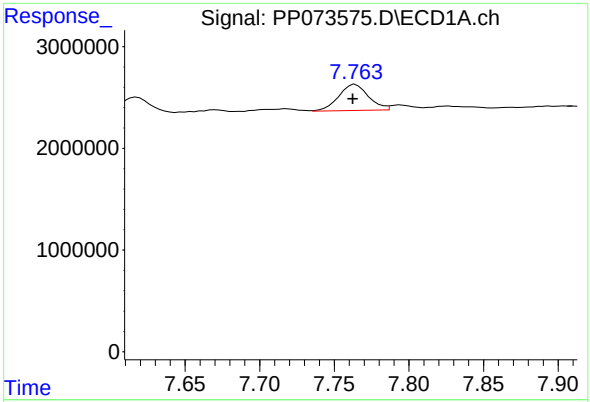
#29 AR-1254-4

R.T.: 7.349 min
Delta R.T.: 0.002 min
Response: 5012264
Conc: 62.97 ng/ml



#29 AR-1254-4

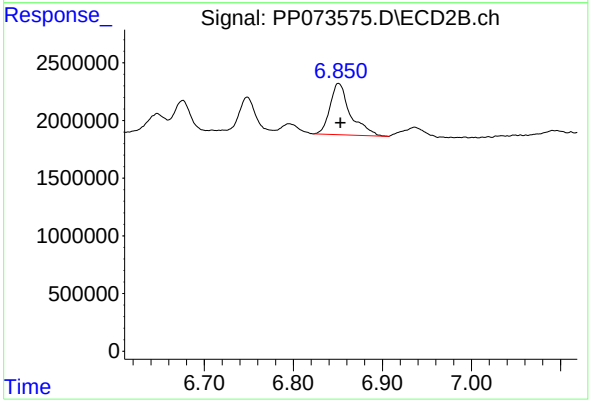
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 4857854
Conc: 51.49 ng/ml



#30 AR-1254-5

R.T.: 7.764 min
Delta R.T.: 0.002 min
Response: 3548489
Conc: 47.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.851 min
Delta R.T.: -0.002 min
Response: 7039930
Conc: 53.85 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:08
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.485	3.779	37383725	50542988	26.404	26.083
2)	SA Decachlor...	10.171	8.781	54731552	67087696	26.607	26.464
	Target Compounds						
41)	L9 AR-1268-1	8.690	7.668	59422367	81364216	260.528	264.345
42)	L9 AR-1268-2	8.783	7.735	50730840	70740492	261.191	264.376
43)	L9 AR-1268-3	9.010	7.936	43805027	60554343	262.765	266.395
44)	L9 AR-1268-4	9.428	8.231	18771767	24970476	269.872	262.245
45)	L9 AR-1268-5	9.839	8.525	124.3E6	162.7E6	256.278	261.384

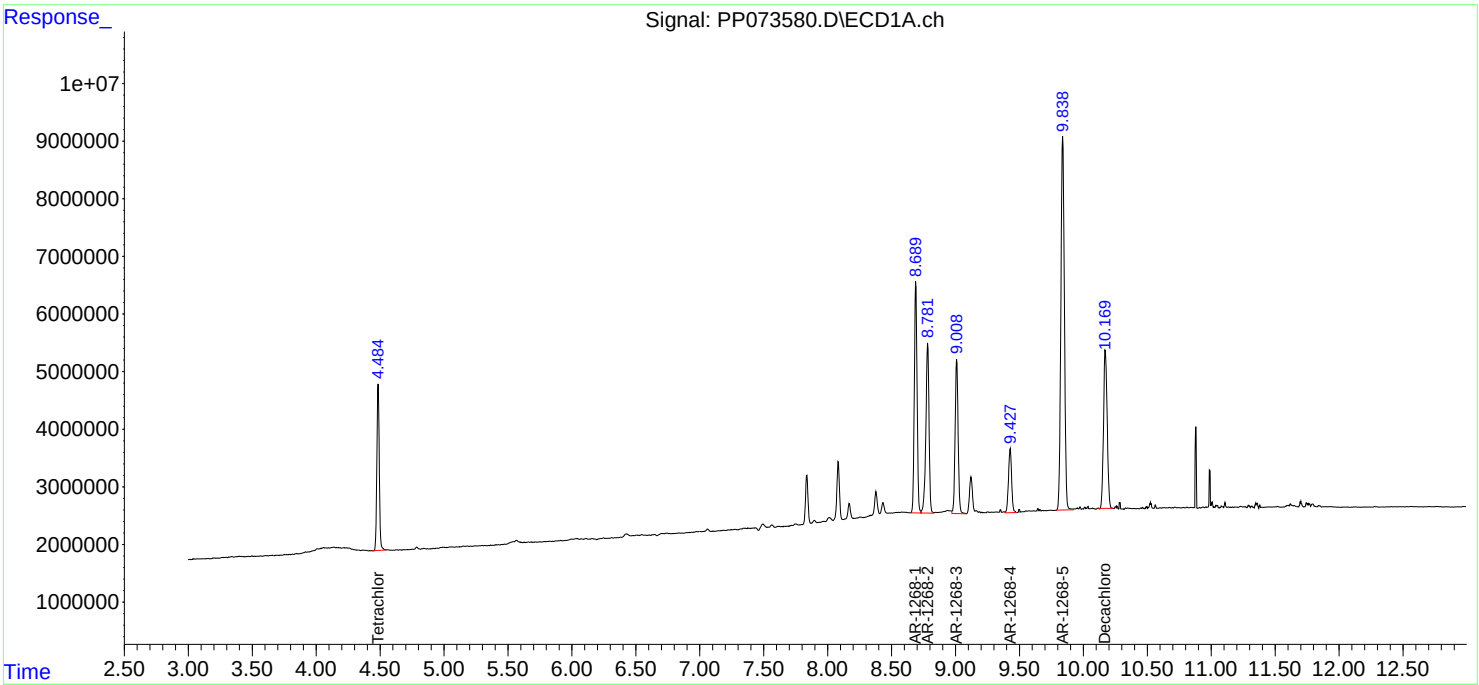
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

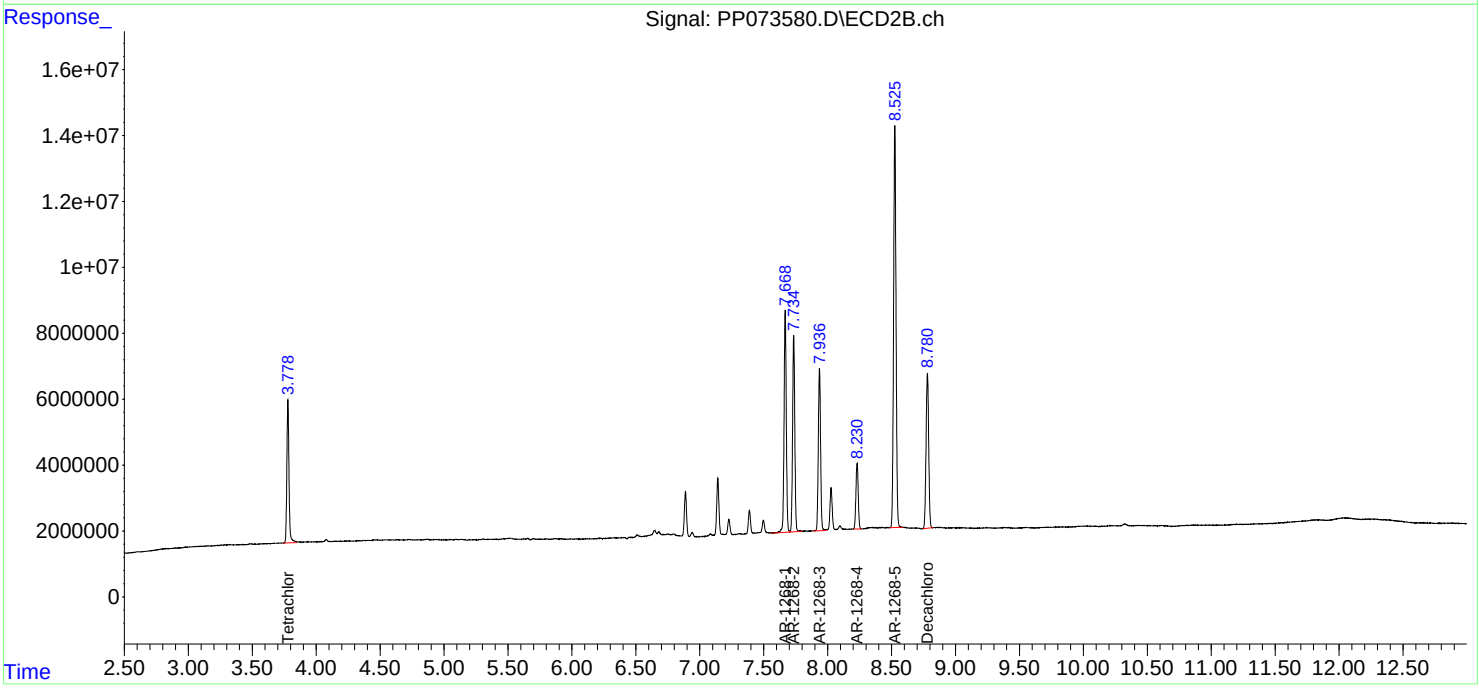
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:08
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

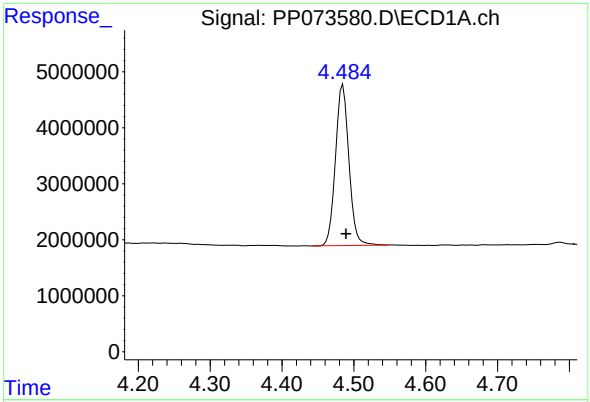
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:40:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



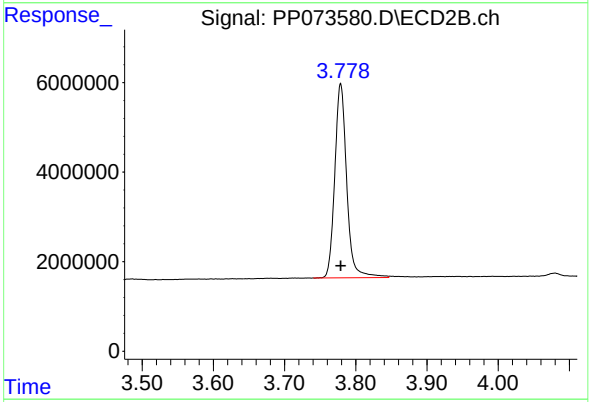




#1 Tetrachloro-m-xylene

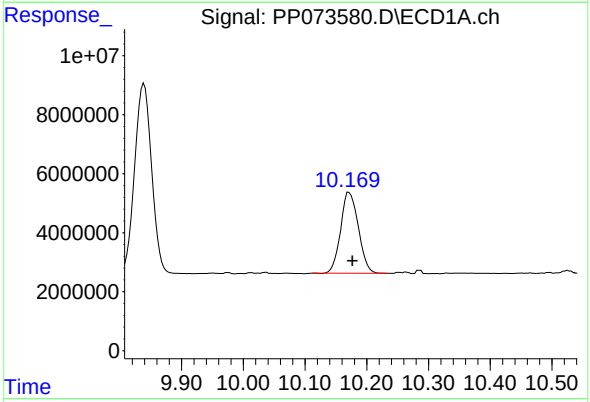
R.T.: 4.485 min
Delta R.T.: -0.004 min
Response: 37383725
Conc: 26.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



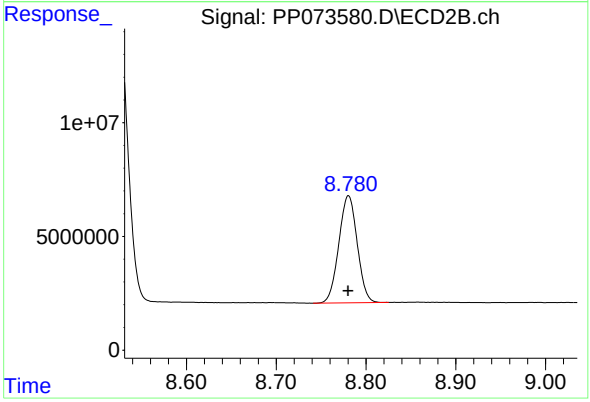
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 50542988
Conc: 26.08 ng/ml



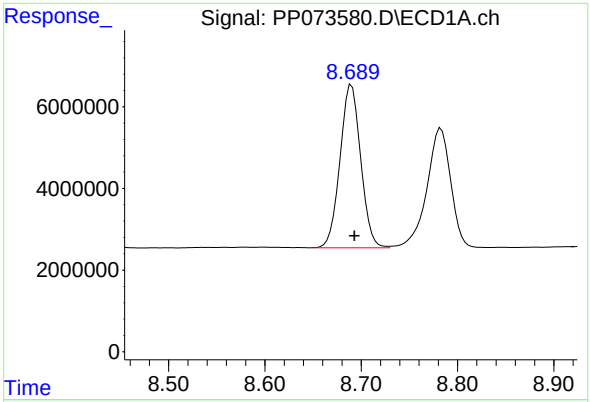
#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 54731552
Conc: 26.61 ng/ml



#2 Decachlorobiphenyl

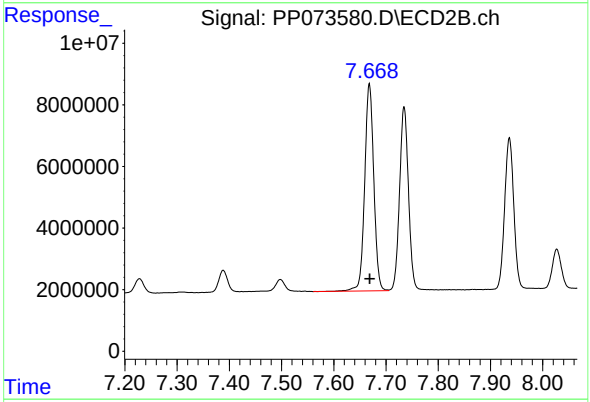
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 67087696
Conc: 26.46 ng/ml



#41 AR-1268-1

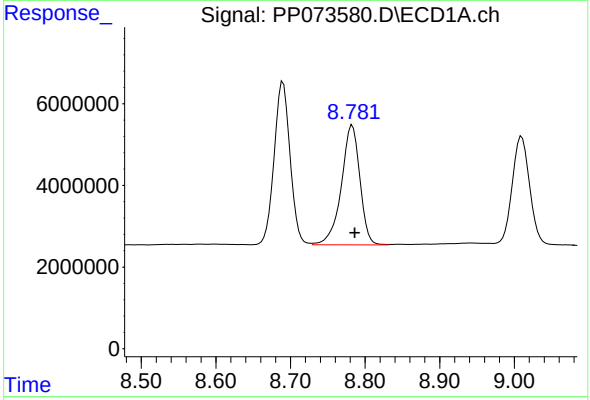
R.T.: 8.690 min
Delta R.T.: -0.003 min
Response: 59422367
Conc: 260.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



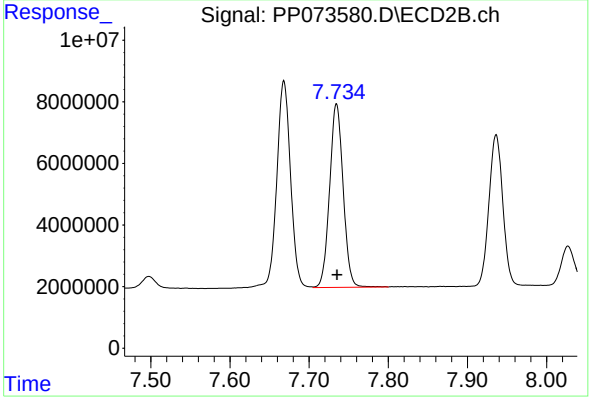
#41 AR-1268-1

R.T.: 7.668 min
Delta R.T.: 0.000 min
Response: 81364216
Conc: 264.35 ng/ml



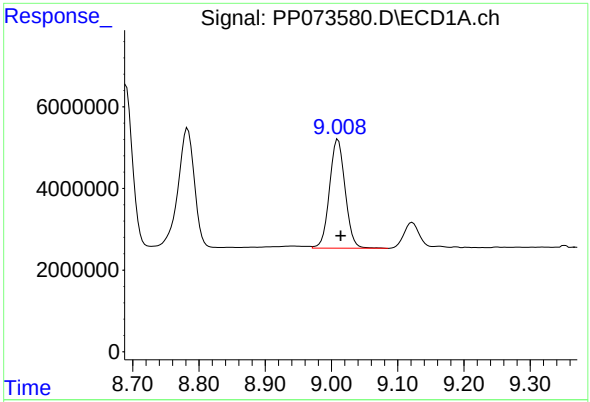
#42 AR-1268-2

R.T.: 8.783 min
Delta R.T.: -0.003 min
Response: 50730840
Conc: 261.19 ng/ml



#42 AR-1268-2

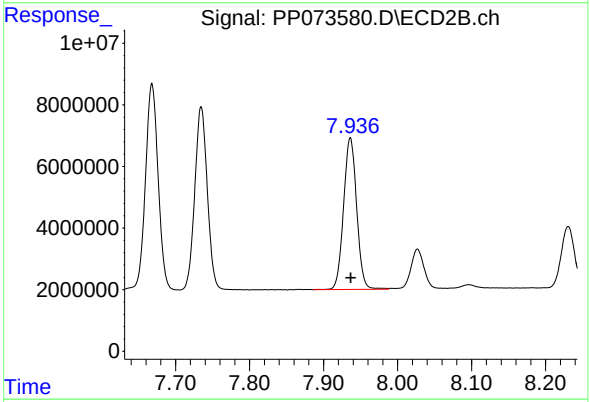
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 70740492
Conc: 264.38 ng/ml



#43 AR-1268-3

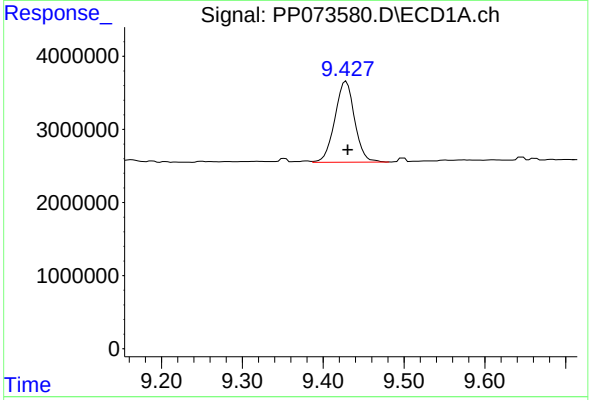
R.T.: 9.010 min
Delta R.T.: -0.004 min
Response: 43805027
Conc: 262.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



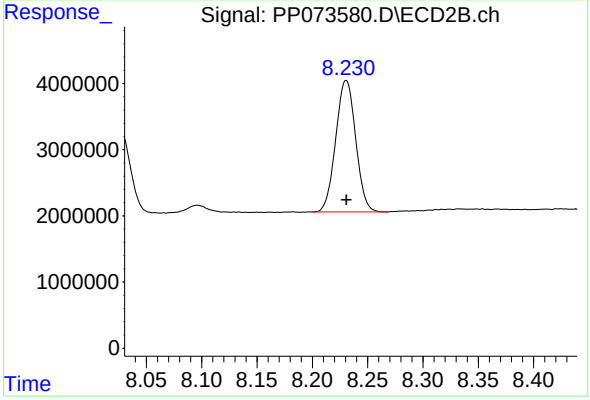
#43 AR-1268-3

R.T.: 7.936 min
Delta R.T.: 0.000 min
Response: 60554343
Conc: 266.40 ng/ml



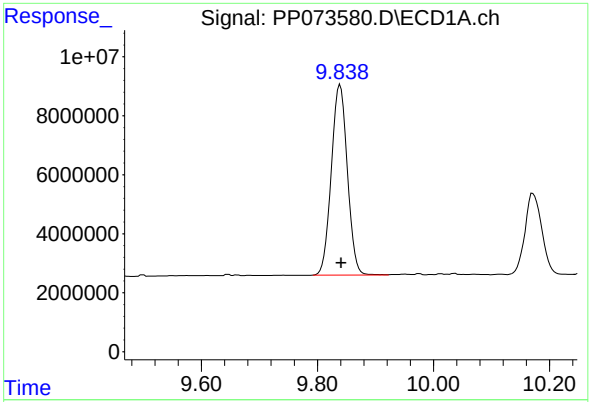
#44 AR-1268-4

R.T.: 9.428 min
Delta R.T.: -0.002 min
Response: 18771767
Conc: 269.87 ng/ml



#44 AR-1268-4

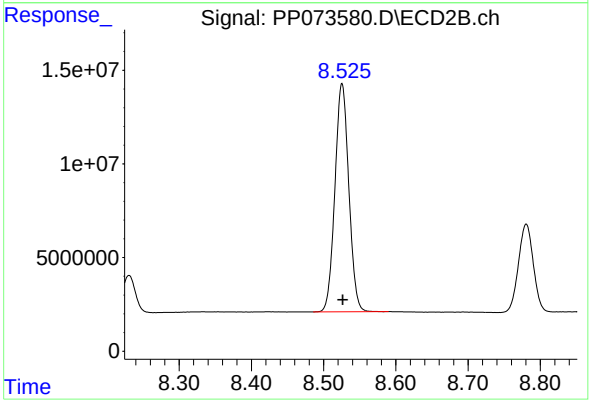
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 24970476
Conc: 262.24 ng/ml



#45 AR-1268-5

R.T.: 9.839 min
Delta R.T.: -0.002 min
Response: 124334254
Conc: 256.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.525 min
Delta R.T.: -0.001 min
Response: 162694547
Conc: 261.38 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:24
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:46:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.778	6570480	8954068	4.649	4.604
2)	SA Decachlor...	10.178	8.780	8974224	11778445	4.354	4.632
	Target Compounds						
41)	L9 AR-1268-1	8.694	7.668	10231981	15365679	44.903	49.987
42)	L9 AR-1268-2	8.787	7.735	8726381	12801300	44.866	47.748
43)	L9 AR-1268-3	9.015	7.936	8012537	11044482	48.006	48.707
44)	L9 AR-1268-4	9.433	8.231	3216586	4250036	45.402	44.756
45)	L9 AR-1268-5	9.841	8.526	6017980	28831591	12.454	46.018 #

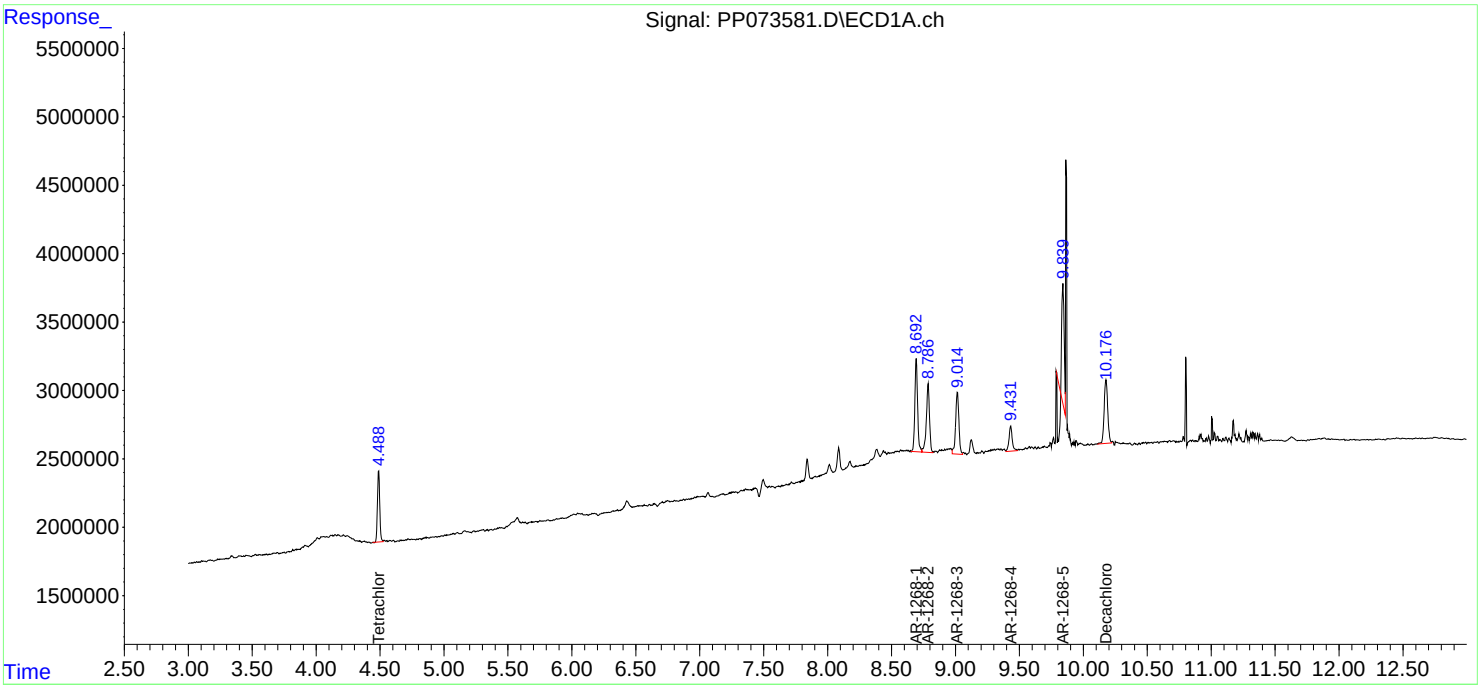
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

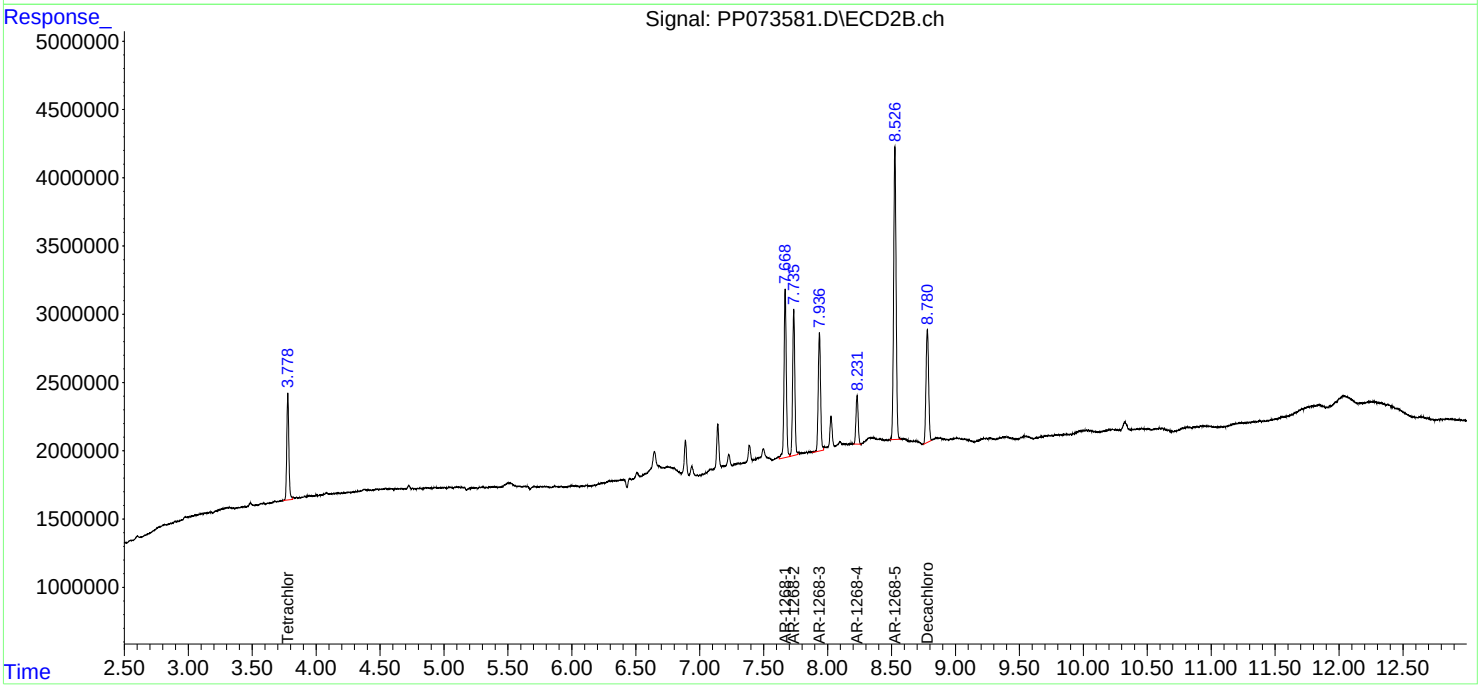
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:24
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

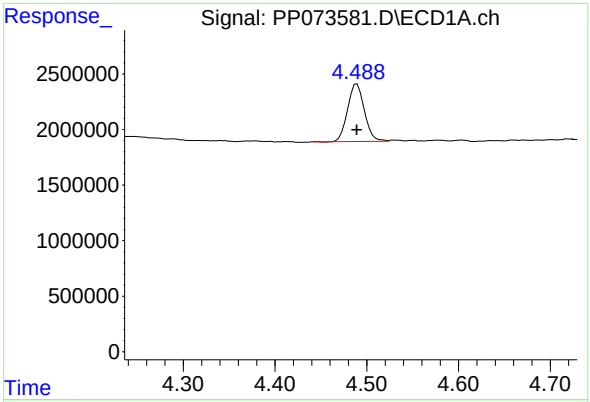
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 04:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 04:46:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



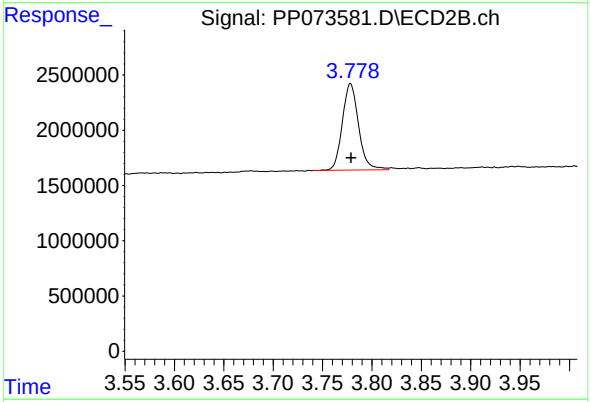




#1 Tetrachloro-m-xylene

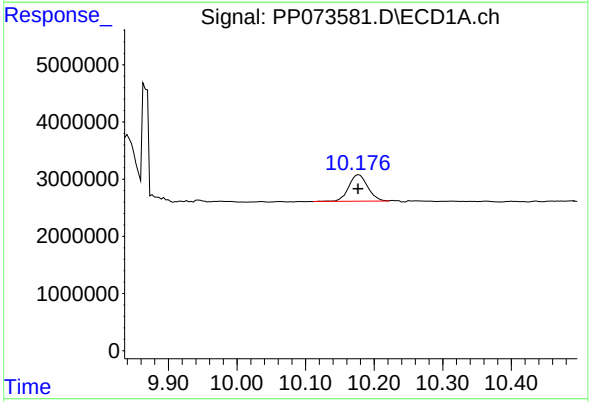
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 6570480
Conc: 4.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



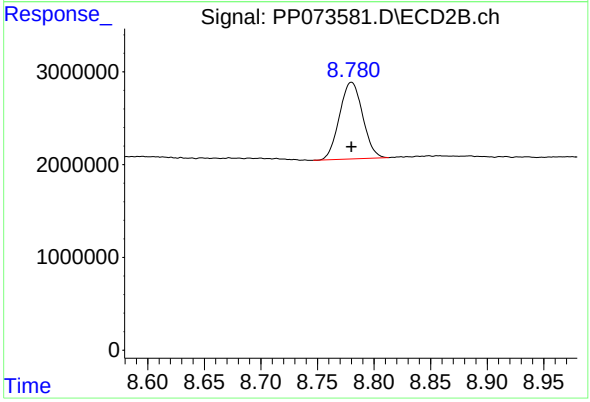
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 8954068
Conc: 4.60 ng/ml



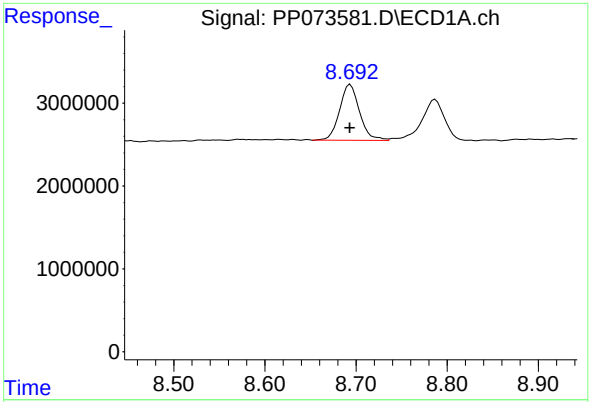
#2 Decachlorobiphenyl

R.T.: 10.178 min
Delta R.T.: 0.001 min
Response: 8974224
Conc: 4.35 ng/ml



#2 Decachlorobiphenyl

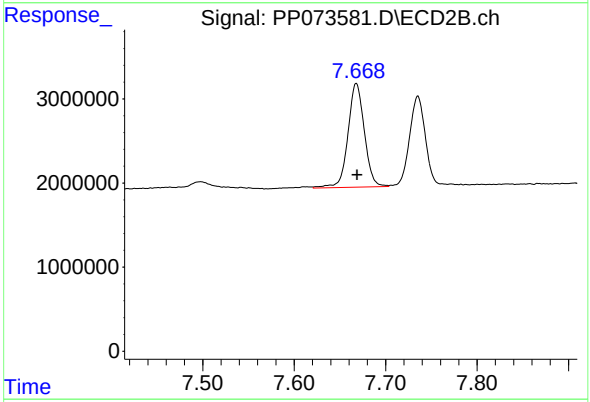
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 11778445
Conc: 4.63 ng/ml



#41 AR-1268-1

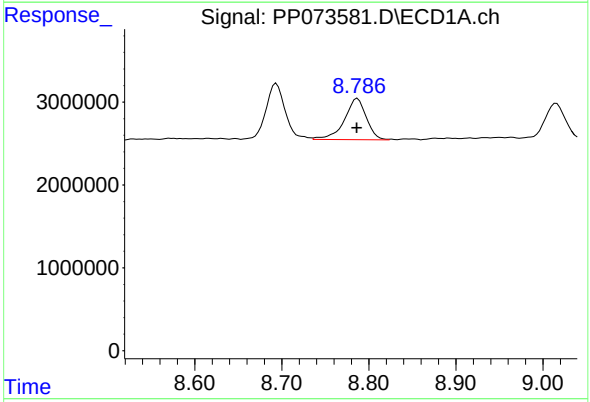
R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 10231981
Conc: 44.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



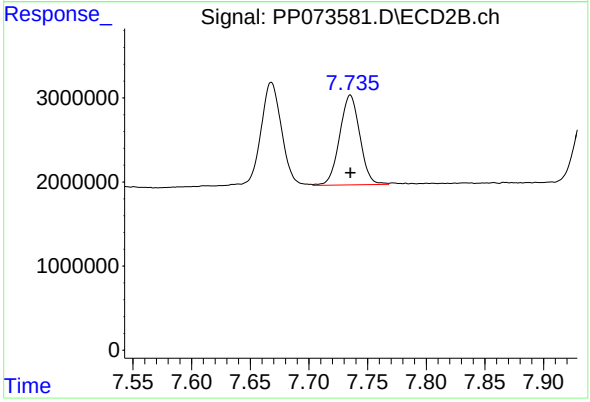
#41 AR-1268-1

R.T.: 7.668 min
Delta R.T.: 0.000 min
Response: 15365679
Conc: 49.99 ng/ml



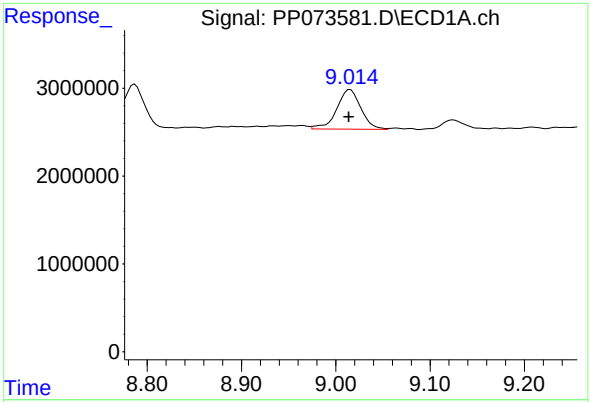
#42 AR-1268-2

R.T.: 8.787 min
Delta R.T.: 0.000 min
Response: 8726381
Conc: 44.87 ng/ml



#42 AR-1268-2

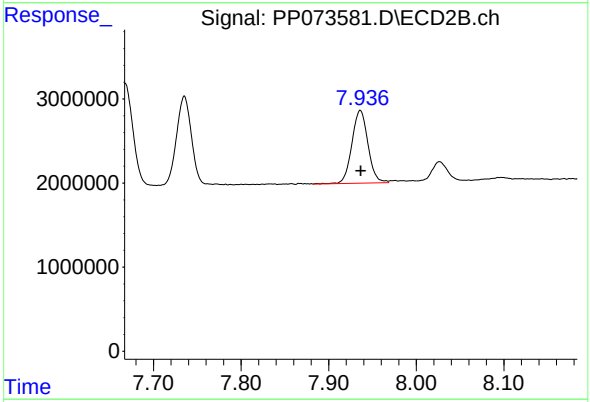
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 12801300
Conc: 47.75 ng/ml



#43 AR-1268-3

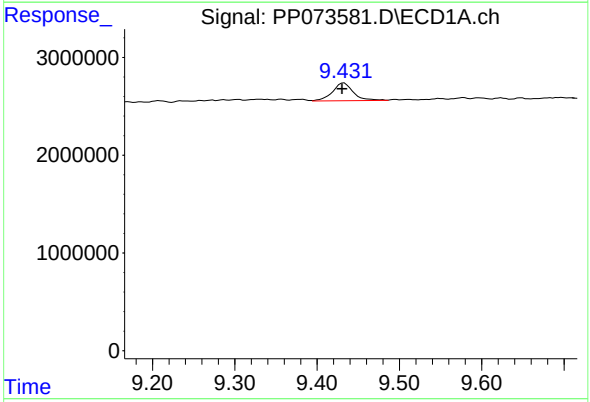
R.T.: 9.015 min
Delta R.T.: 0.002 min
Response: 8012537
Conc: 48.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



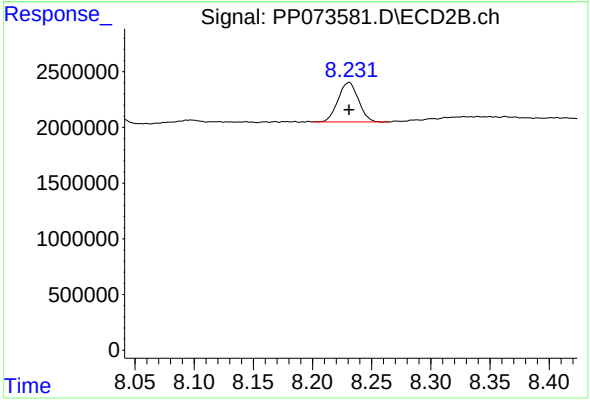
#43 AR-1268-3

R.T.: 7.936 min
Delta R.T.: 0.000 min
Response: 11044482
Conc: 48.71 ng/ml



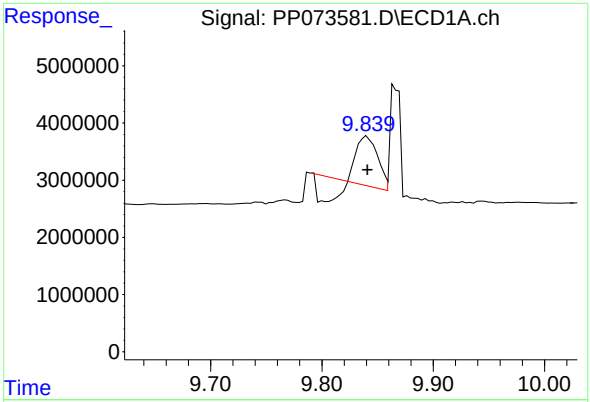
#44 AR-1268-4

R.T.: 9.433 min
Delta R.T.: 0.003 min
Response: 3216586
Conc: 45.40 ng/ml



#44 AR-1268-4

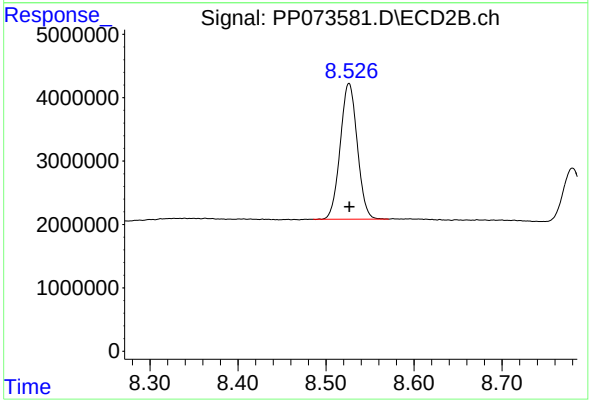
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 4250036
Conc: 44.76 ng/ml



#45 AR-1268-5

R.T.: 9.841 min
Delta R.T.: 0.000 min
Response: 6017980
Conc: 12.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.526 min
Delta R.T.: 0.000 min
Response: 28831591
Conc: 46.02 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:43
Operator : YP\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : ECD_P
ClientSampleId : OU4-TS-29-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:16:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.483	3.777	20248775	29106804	14.785	15.799	
2)	SA Decachlor...	10.169	8.776	11684599	16327861	10.709	12.340	
	Target Compounds							
3)	L1 AR-1016-1	5.655	4.852	545746	2288367	11.486	33.566	#
4)	L1 AR-1016-2	5.655	4.886	545746	2097339	7.663	20.585	#
5)	L1 AR-1016-3	5.742	5.042	647391	850365	14.827	15.717	
6)	L1 AR-1016-4	5.823	5.119	23144364	27930322	643.872	636.504	
7)	L1 AR-1016-5	6.074f	5.293	173257	1228394	5.530	22.505	#
8)	L2 AR-1221-1	4.748f	3.998	388618	41518211	21.751	1535.157	#
9)	L2 AR-1221-2	4.785	4.112f	1890387	9249656	139.982	454.298	#
10)	L2 AR-1221-3	4.863	4.146	3329886	3442829	80.036	56.028	#
11)	L3 AR-1232-1	4.863	4.146	3329886	3442829	101.985	73.858	#
12)	L3 AR-1232-2	5.383	4.886	847168	2097339	52.118	44.006	
13)	L3 AR-1232-3	5.655	5.042	545746	850365	16.541	33.975	#
14)	L3 AR-1232-4	5.823	5.119	23144364	27930322	1407.366	1289.709	
15)	L3 AR-1232-5	5.909	5.293	738108	1228394	69.828	54.442	
16)	L4 AR-1242-1	5.655	4.852	545746	2288367	14.291	39.615	#
17)	L4 AR-1242-2	5.655	4.886	545746	2097339	9.114	24.260	#
18)	L4 AR-1242-3	5.699	5.042	528644	850365	14.436	18.508	#
19)	L4 AR-1242-4	5.823	5.119	23144364	27930322	720.200	631.004	
20)	L4 AR-1242-5	6.538	5.663	2814099	5643596	85.961	102.160	
21)	L5 AR-1248-1	5.655	4.852	545746	2288367	17.679	50.972	#
22)	L5 AR-1248-2	5.909	5.119	738108	27930322	18.488	453.882	#
23)	L5 AR-1248-3	6.074f	5.119	173257	27930322	3.901	435.972	#
24)	L5 AR-1248-4	6.493	5.293	7700575	1228394	139.806	16.297	#
25)	L5 AR-1248-5	6.538	5.697	2814099	3300813	52.316	44.252	
26)	L6 AR-1254-1	6.493	5.663	7700575	5643596	143.696	48.639	#
27)	L6 AR-1254-2	6.710	5.803	12357112	1147257	148.364	11.401	#
28)	L6 AR-1254-3	7.063	6.201	21384817	4821615	242.097	31.219	#
29)	L6 AR-1254-4	0.000	6.446	0	5238784	N.D.	55.402	#
30)	L6 AR-1254-5	7.740	6.845	8137021	2026431	110.438	15.186	#
31)	L7 AR-1260-1	7.253	6.296f	1995.1E6	606612	33837.061	6.218	#
32)	L7 AR-1260-2	7.476	6.541	5794555	1748.0E6	60.461	14230.308	#
33)	L7 AR-1260-3	7.837	6.736f	1205326	445192	16.495	4.067	#
34)	L7 AR-1260-4	8.041	7.142	2177070	989755	33.340	11.070	#
35)	L7 AR-1260-5	8.380	7.387	2600521	5313472	17.239	23.643	#
36)	L8 AR-1262-1	8.041	6.885	2177070	584303	25.016	3.956	#
37)	L8 AR-1262-2	8.380	7.142	2600521	989755	13.132	7.743	#
38)	L8 AR-1262-3	8.702	7.700	645262	2758398	5.132	24.192	#
39)	L8 AR-1262-4	8.775	7.729	765143	1514315	8.204	8.228	
40)	L8 AR-1262-5	9.426	8.227	594437	234895	9.378	2.782	#
41)	L9 AR-1268-1	8.702	7.700	645262	2758398	2.891	8.974	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:43
Operator : YP\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:16:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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	8.775	7.729	765143	1514315	4.016	5.700	#
43) L9	AR-1268-3	9.007	7.956	535335	3715462	3.233	16.471	#
44) L9	AR-1268-4	9.426	8.227	594437	234895	8.548	2.527	#
45) L9	AR-1268-5	9.842	8.519	112908	440692	0.245	0.715	#

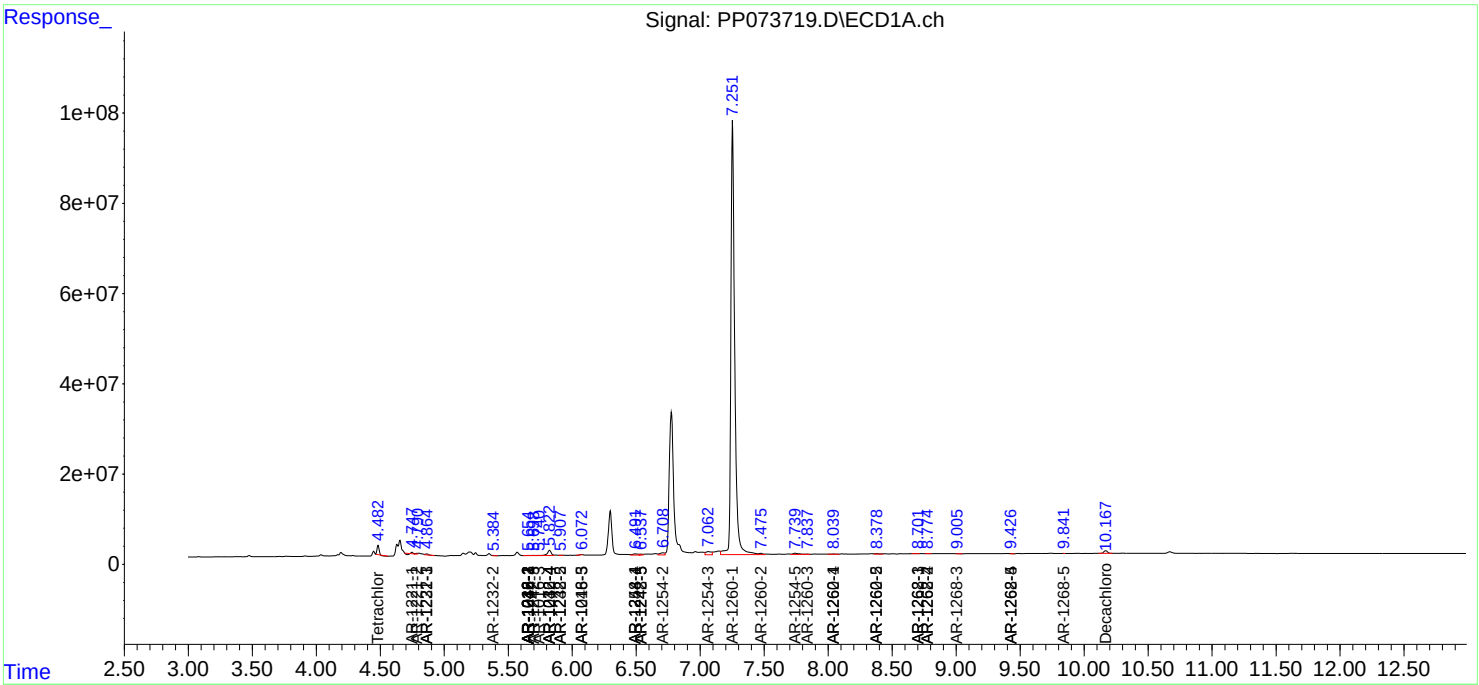
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

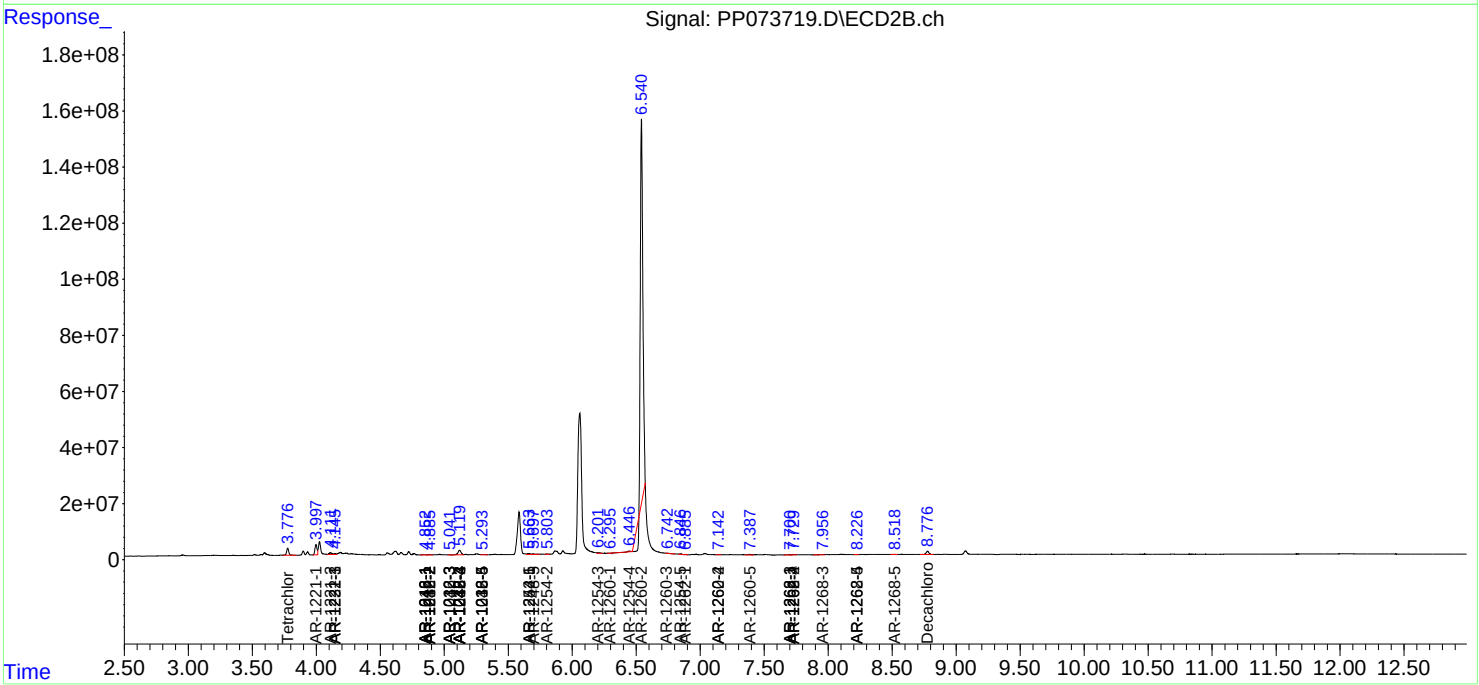
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:43
Operator : YP\AJ
Sample : Q2555-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

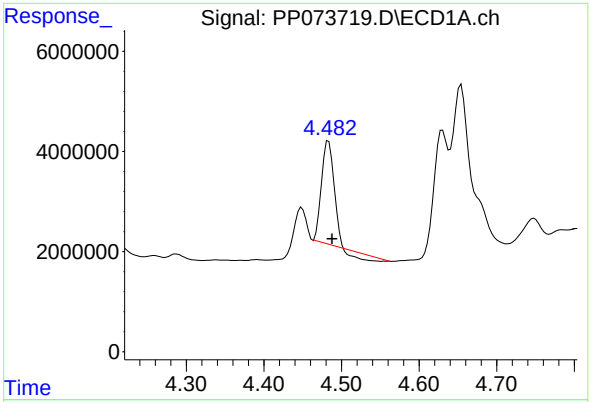
Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:16:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



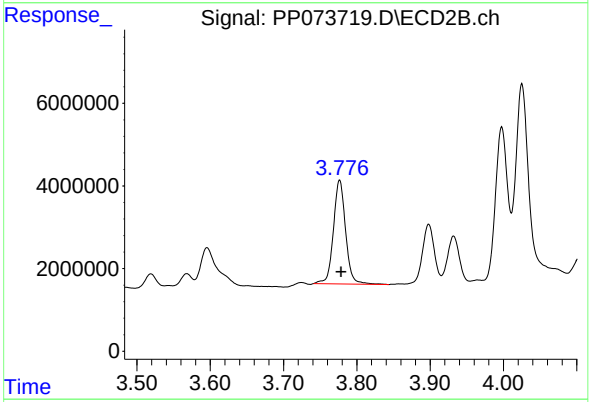




#1 Tetrachloro-m-xylene

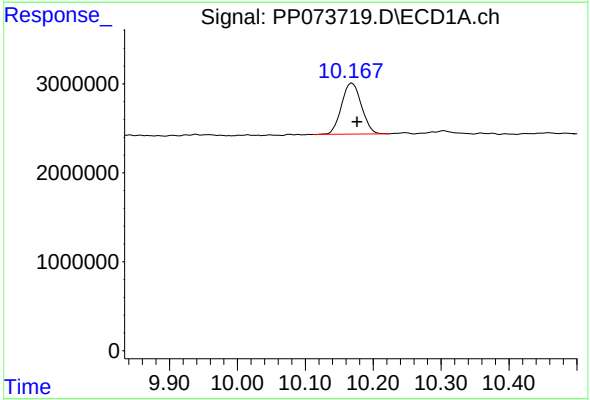
R.T.: 4.483 min
Delta R.T.: -0.005 min
Response: 20248775
Conc: 14.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



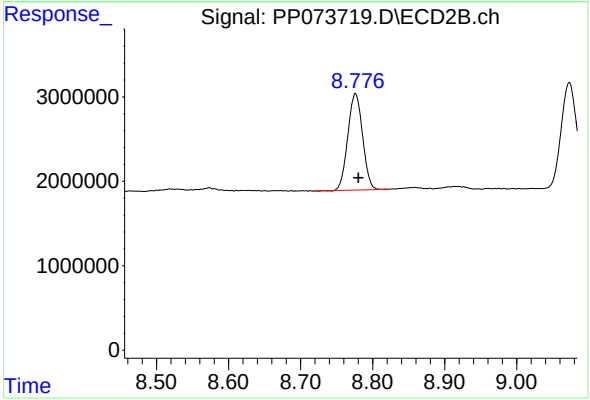
#1 Tetrachloro-m-xylene

R.T.: 3.777 min
Delta R.T.: -0.002 min
Response: 29106804
Conc: 15.80 ng/ml



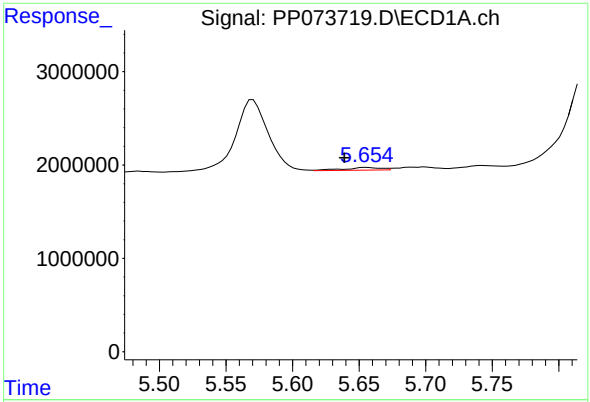
#2 Decachlorobiphenyl

R.T.: 10.169 min
Delta R.T.: -0.007 min
Response: 11684599
Conc: 10.71 ng/ml



#2 Decachlorobiphenyl

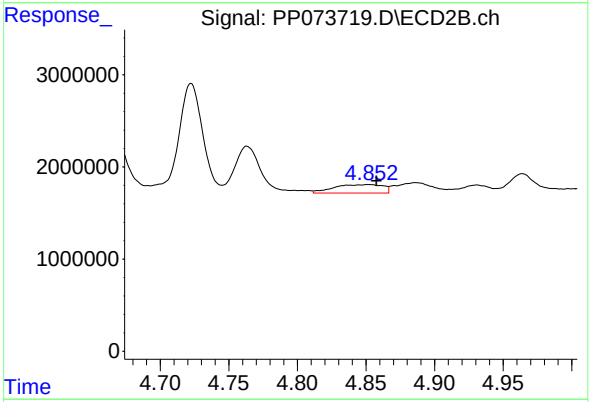
R.T.: 8.776 min
Delta R.T.: -0.004 min
Response: 16327861
Conc: 12.34 ng/ml



#3 AR-1016-1

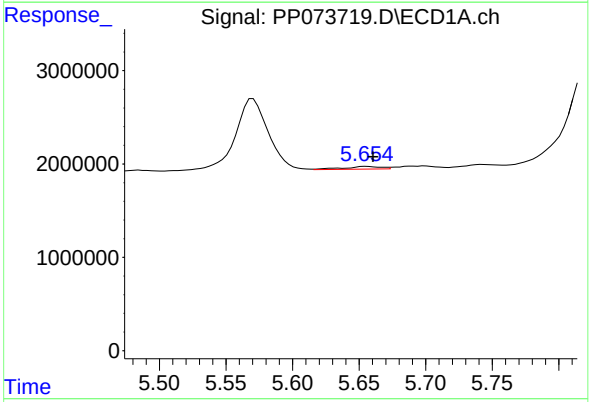
R.T.: 5.655 min
Delta R.T.: 0.016 min
Response: 545746
Conc: 11.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



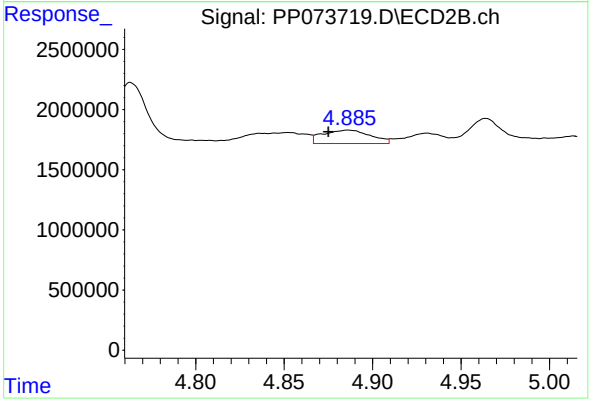
#3 AR-1016-1

R.T.: 4.852 min
Delta R.T.: -0.005 min
Response: 2288367
Conc: 33.57 ng/ml



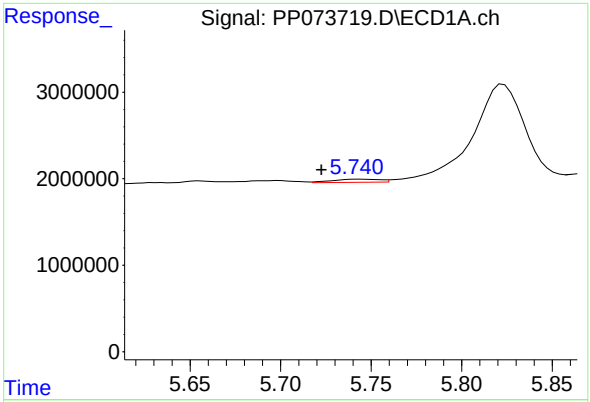
#4 AR-1016-2

R.T.: 5.655 min
Delta R.T.: -0.005 min
Response: 545746
Conc: 7.66 ng/ml



#4 AR-1016-2

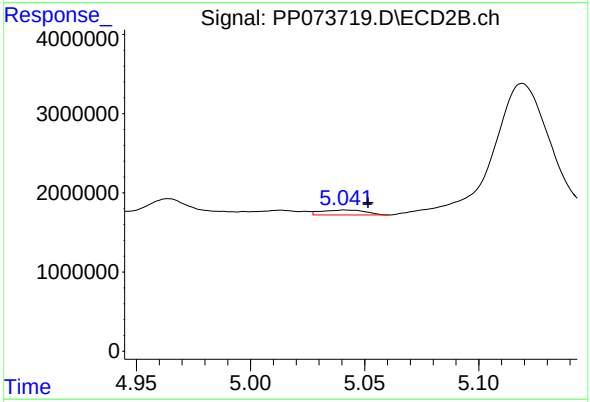
R.T.: 4.886 min
Delta R.T.: 0.011 min
Response: 2097339
Conc: 20.59 ng/ml



#5 AR-1016-3

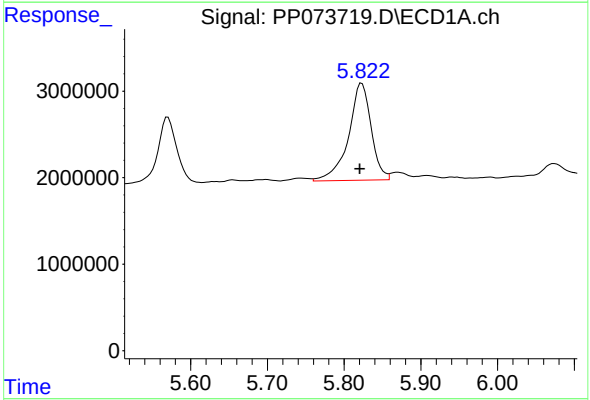
R.T.: 5.742 min
Delta R.T.: 0.020 min
Response: 647391
Conc: 14.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



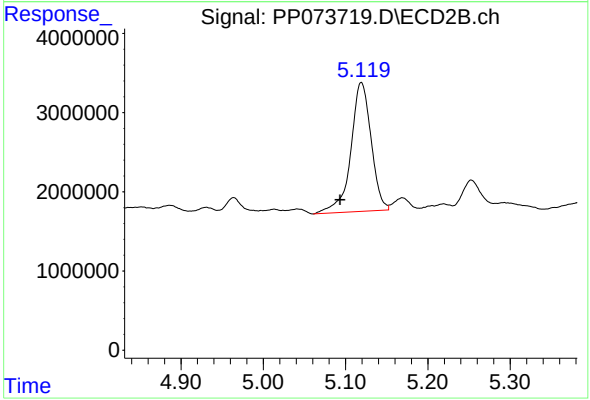
#5 AR-1016-3

R.T.: 5.042 min
Delta R.T.: -0.010 min
Response: 850365
Conc: 15.72 ng/ml



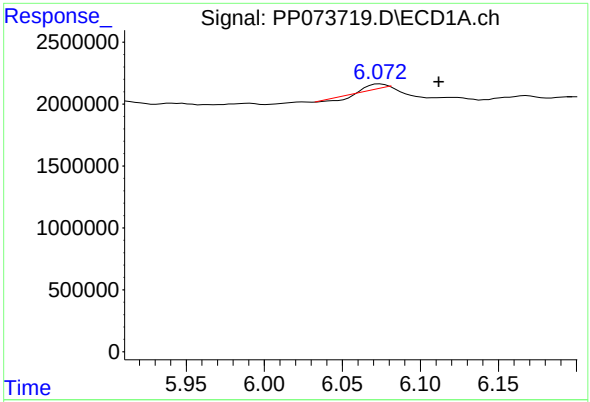
#6 AR-1016-4

R.T.: 5.823 min
Delta R.T.: 0.003 min
Response: 23144364
Conc: 643.87 ng/ml



#6 AR-1016-4

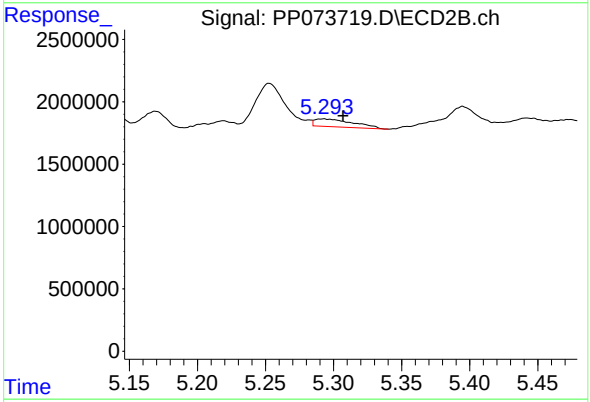
R.T.: 5.119 min
Delta R.T.: 0.026 min
Response: 27930322
Conc: 636.50 ng/ml



#7 AR-1016-5

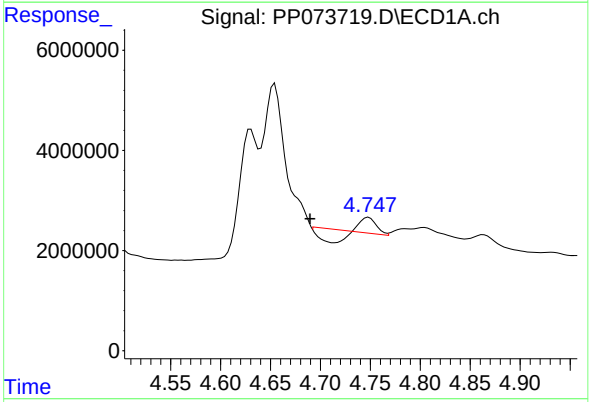
R.T.: 6.074 min
Delta R.T.: -0.038 min
Response: 173257
Conc: 5.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



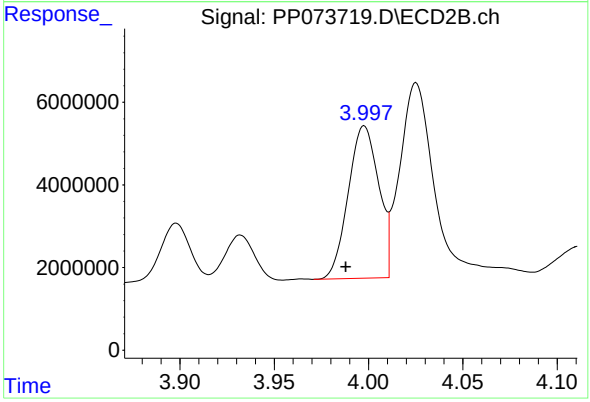
#7 AR-1016-5

R.T.: 5.293 min
Delta R.T.: -0.014 min
Response: 1228394
Conc: 22.51 ng/ml



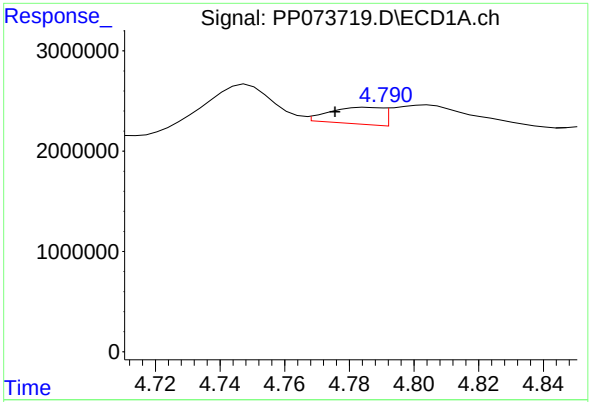
#8 AR-1221-1

R.T.: 4.748 min
Delta R.T.: 0.059 min
Response: 388618
Conc: 21.75 ng/ml



#8 AR-1221-1

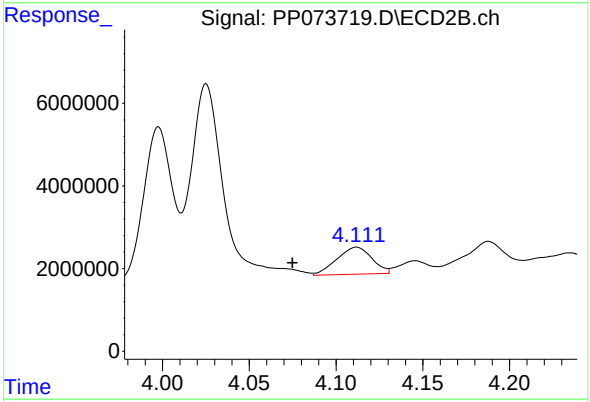
R.T.: 3.998 min
Delta R.T.: 0.010 min
Response: 41518211
Conc: 1535.16 ng/ml



#9 AR-1221-2

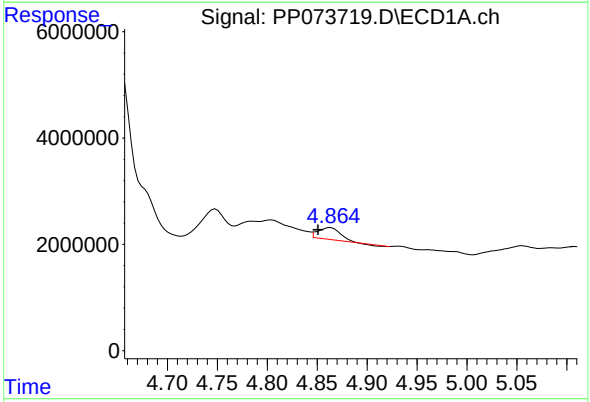
R.T.: 4.785 min
Delta R.T.: 0.010 min
Response: 1890387
Conc: 139.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



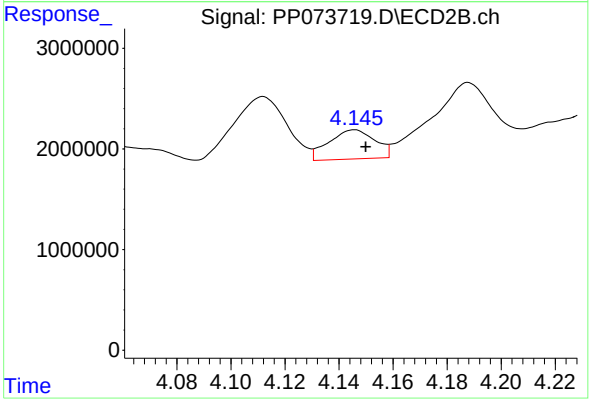
#9 AR-1221-2

R.T.: 4.112 min
Delta R.T.: 0.037 min
Response: 9249656
Conc: 454.30 ng/ml



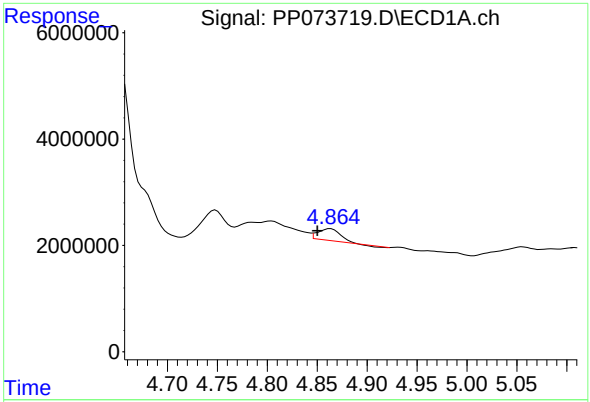
#10 AR-1221-3

R.T.: 4.863 min
Delta R.T.: 0.012 min
Response: 3329886
Conc: 80.04 ng/ml



#10 AR-1221-3

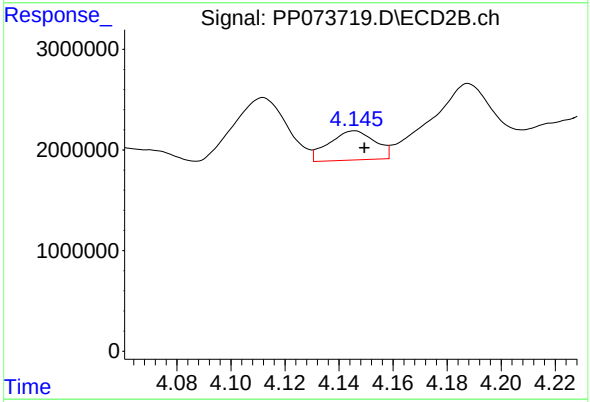
R.T.: 4.146 min
Delta R.T.: -0.004 min
Response: 3442829
Conc: 56.03 ng/ml



#11 AR-1232-1

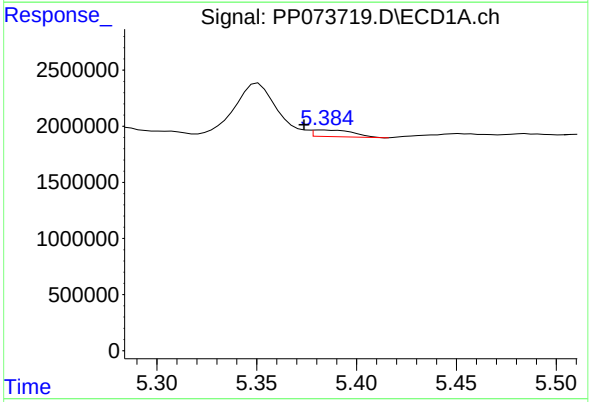
R.T.: 4.863 min
Delta R.T.: 0.013 min
Response: 3329886
Conc: 101.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



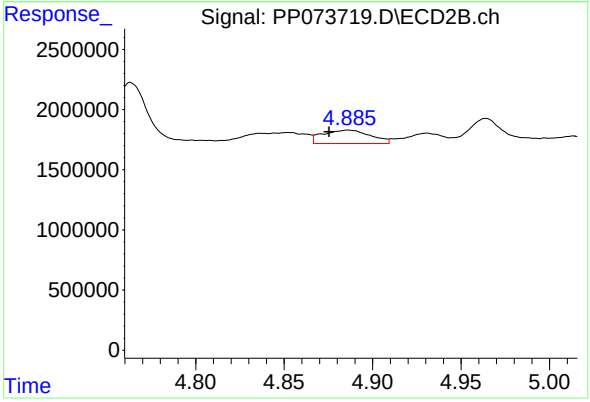
#11 AR-1232-1

R.T.: 4.146 min
Delta R.T.: -0.004 min
Response: 3442829
Conc: 73.86 ng/ml



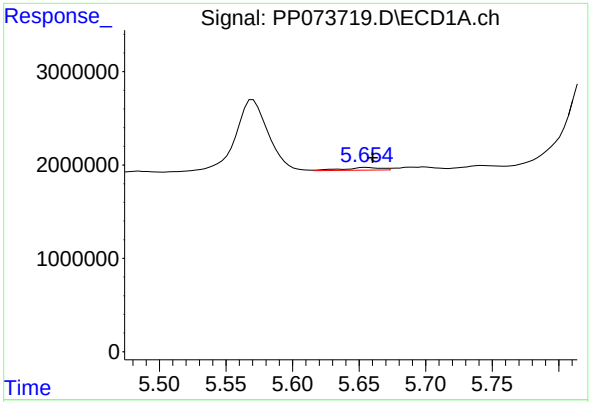
#12 AR-1232-2

R.T.: 5.383 min
Delta R.T.: 0.009 min
Response: 847168
Conc: 52.12 ng/ml



#12 AR-1232-2

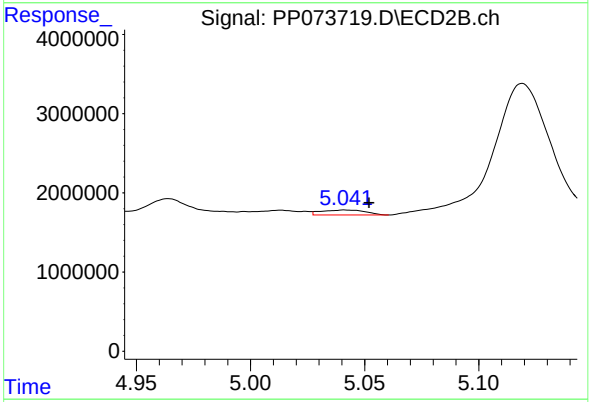
R.T.: 4.886 min
Delta R.T.: 0.011 min
Response: 2097339
Conc: 44.01 ng/ml



#13 AR-1232-3

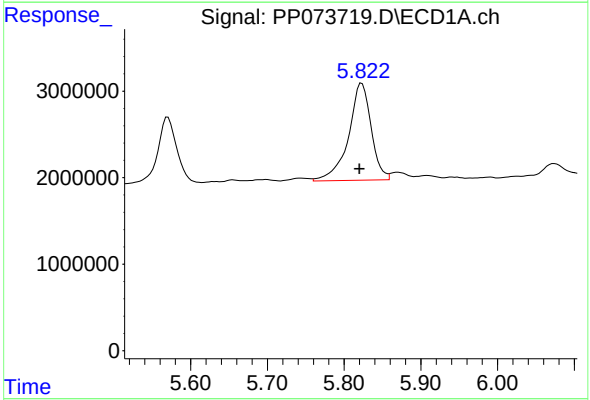
R.T.: 5.655 min
Delta R.T.: -0.005 min
Response: 545746
Conc: 16.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



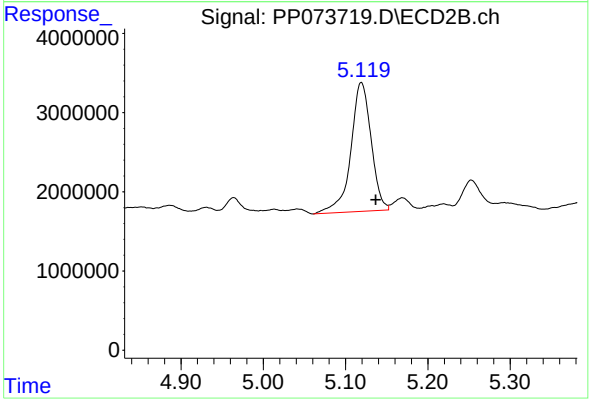
#13 AR-1232-3

R.T.: 5.042 min
Delta R.T.: -0.010 min
Response: 850365
Conc: 33.98 ng/ml



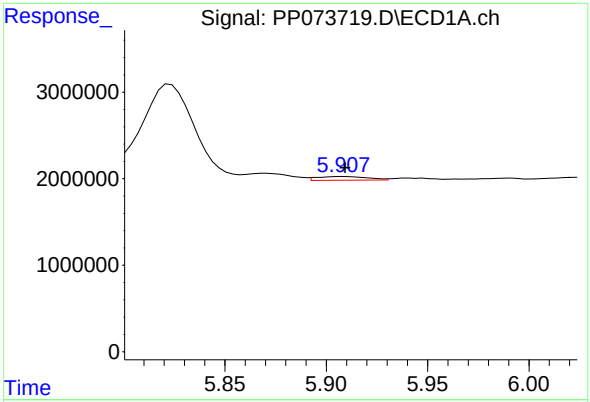
#14 AR-1232-4

R.T.: 5.823 min
Delta R.T.: 0.003 min
Response: 23144364
Conc: 1407.37 ng/ml



#14 AR-1232-4

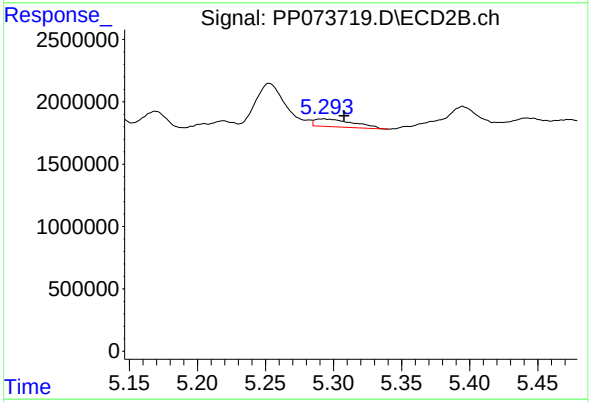
R.T.: 5.119 min
Delta R.T.: -0.018 min
Response: 27930322
Conc: 1289.71 ng/ml



#15 AR-1232-5

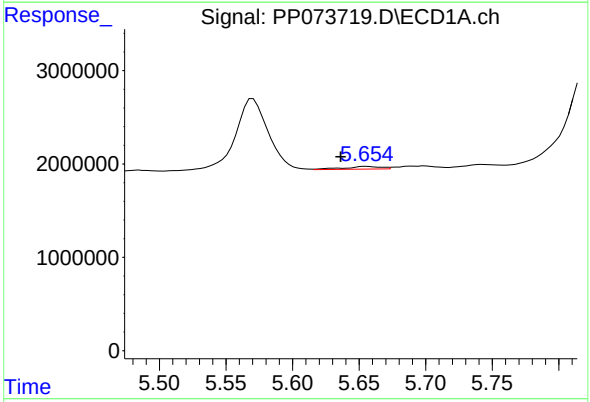
R.T.: 5.909 min
Delta R.T.: 0.000 min
Response: 738108
Conc: 69.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



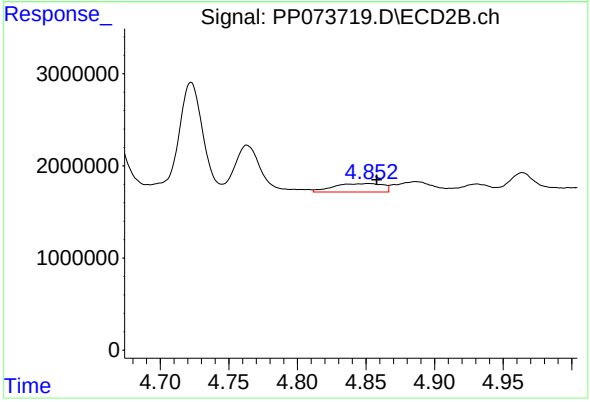
#15 AR-1232-5

R.T.: 5.293 min
Delta R.T.: -0.015 min
Response: 1228394
Conc: 54.44 ng/ml



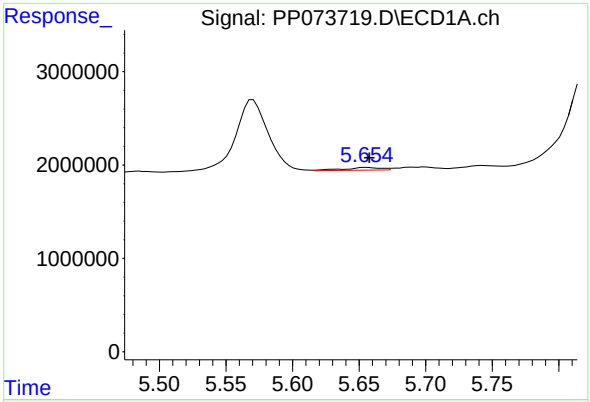
#16 AR-1242-1

R.T.: 5.655 min
Delta R.T.: 0.019 min
Response: 545746
Conc: 14.29 ng/ml



#16 AR-1242-1

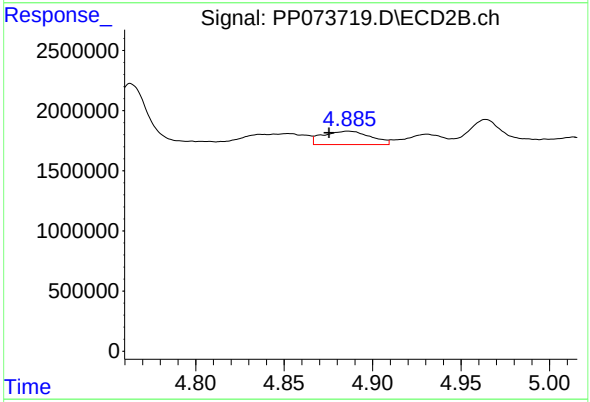
R.T.: 4.852 min
Delta R.T.: -0.006 min
Response: 2288367
Conc: 39.62 ng/ml



#17 AR-1242-2

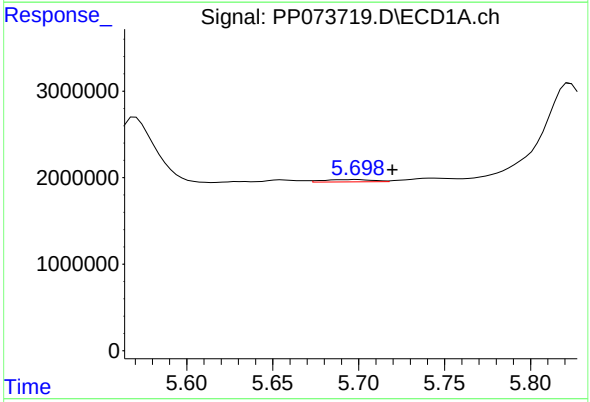
R.T.: 5.655 min
Delta R.T.: -0.003 min
Response: 545746
Conc: 9.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



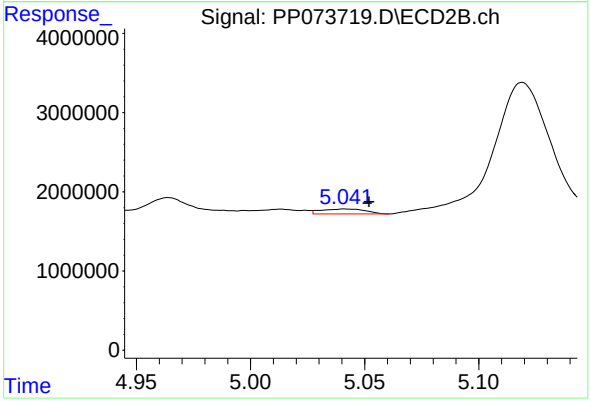
#17 AR-1242-2

R.T.: 4.886 min
Delta R.T.: 0.011 min
Response: 2097339
Conc: 24.26 ng/ml



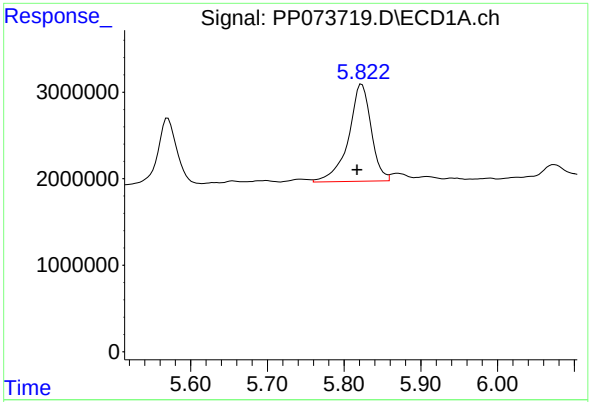
#18 AR-1242-3

R.T.: 5.699 min
Delta R.T.: -0.020 min
Response: 528644
Conc: 14.44 ng/ml



#18 AR-1242-3

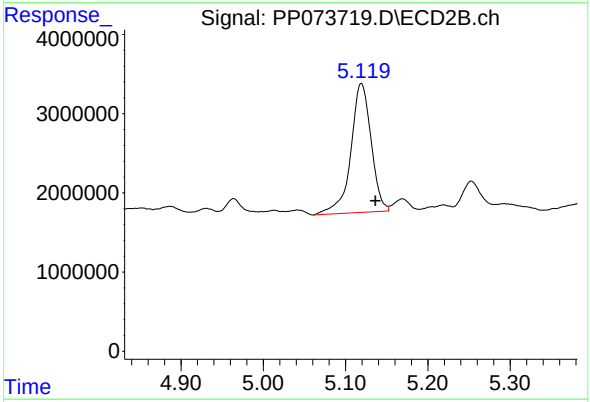
R.T.: 5.042 min
Delta R.T.: -0.010 min
Response: 850365
Conc: 18.51 ng/ml



#19 AR-1242-4

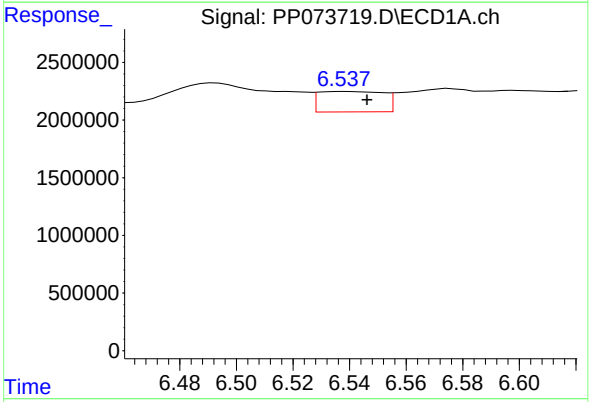
R.T.: 5.823 min
Delta R.T.: 0.006 min
Response: 23144364
Conc: 720.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



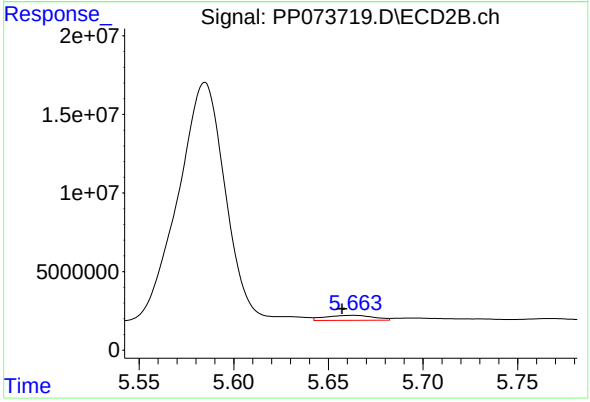
#19 AR-1242-4

R.T.: 5.119 min
Delta R.T.: -0.017 min
Response: 27930322
Conc: 631.00 ng/ml



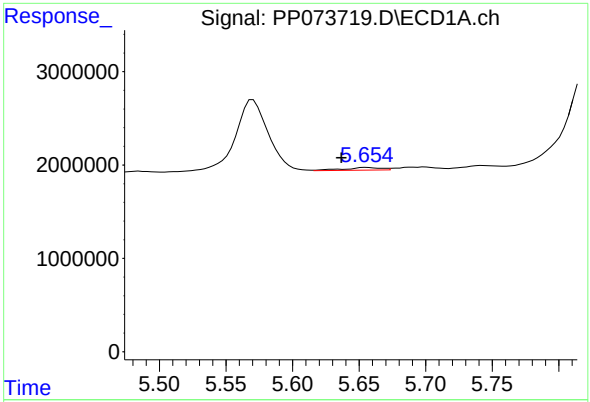
#20 AR-1242-5

R.T.: 6.538 min
Delta R.T.: -0.008 min
Response: 2814099
Conc: 85.96 ng/ml



#20 AR-1242-5

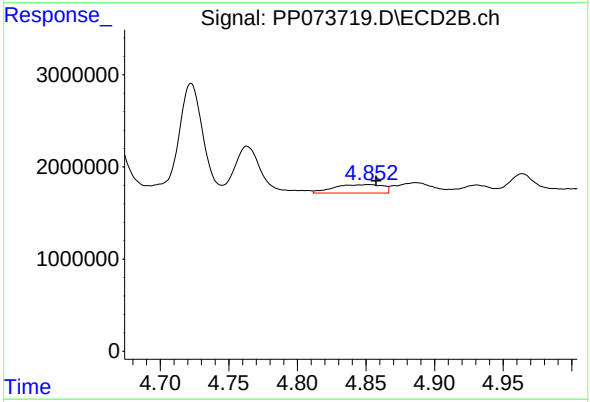
R.T.: 5.663 min
Delta R.T.: 0.006 min
Response: 5643596
Conc: 102.16 ng/ml



#21 AR-1248-1

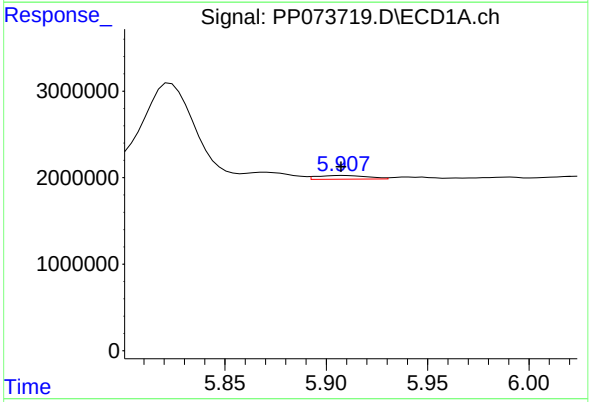
R.T.: 5.655 min
Delta R.T.: 0.019 min
Response: 545746
Conc: 17.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



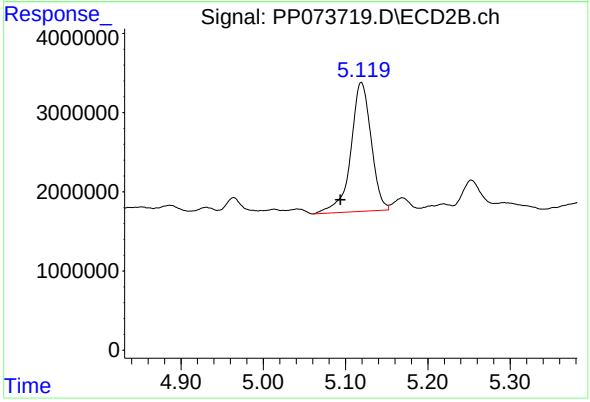
#21 AR-1248-1

R.T.: 4.852 min
Delta R.T.: -0.005 min
Response: 2288367
Conc: 50.97 ng/ml



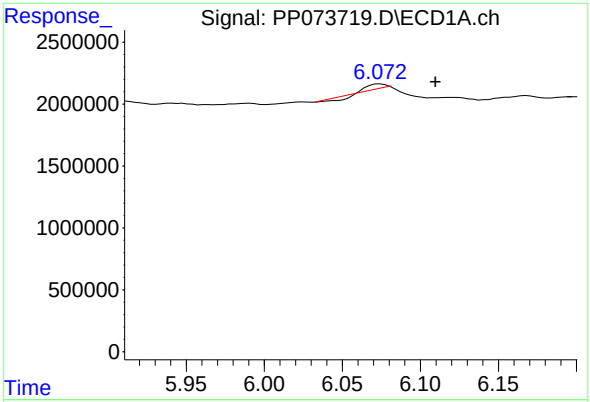
#22 AR-1248-2

R.T.: 5.909 min
Delta R.T.: 0.002 min
Response: 738108
Conc: 18.49 ng/ml



#22 AR-1248-2

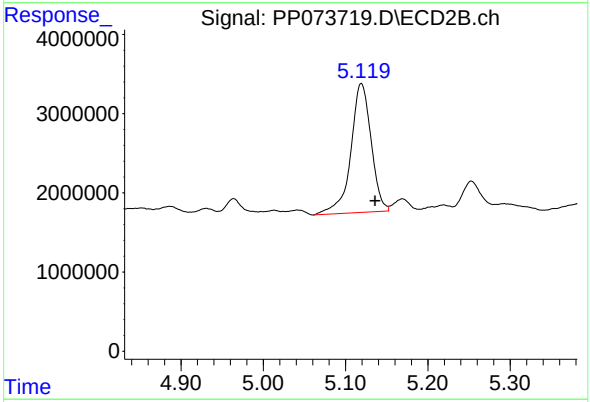
R.T.: 5.119 min
Delta R.T.: 0.025 min
Response: 27930322
Conc: 453.88 ng/ml



#23 AR-1248-3

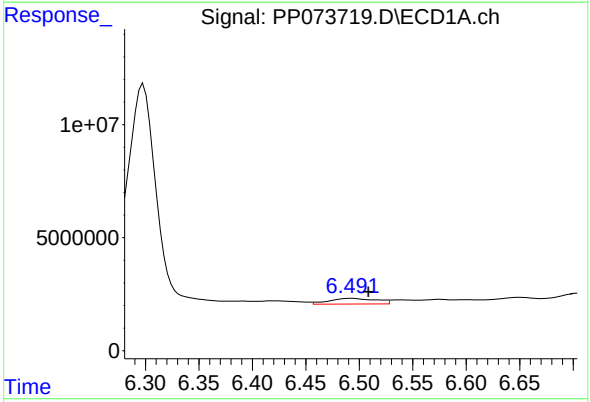
R.T.: 6.074 min
Delta R.T.: -0.036 min
Response: 173257
Conc: 3.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



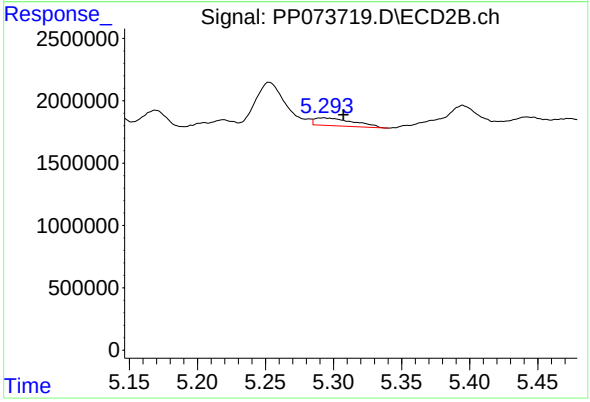
#23 AR-1248-3

R.T.: 5.119 min
Delta R.T.: -0.017 min
Response: 27930322
Conc: 435.97 ng/ml



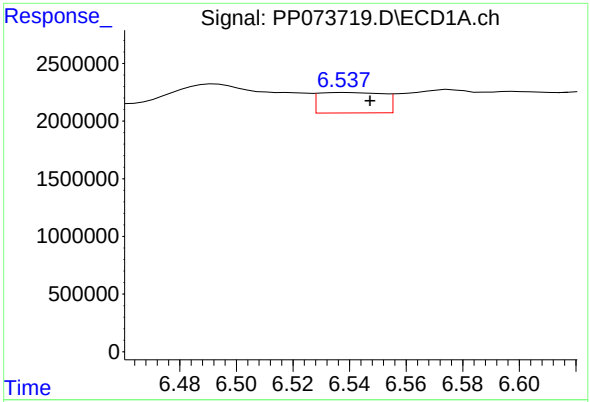
#24 AR-1248-4

R.T.: 6.493 min
Delta R.T.: -0.016 min
Response: 7700575
Conc: 139.81 ng/ml



#24 AR-1248-4

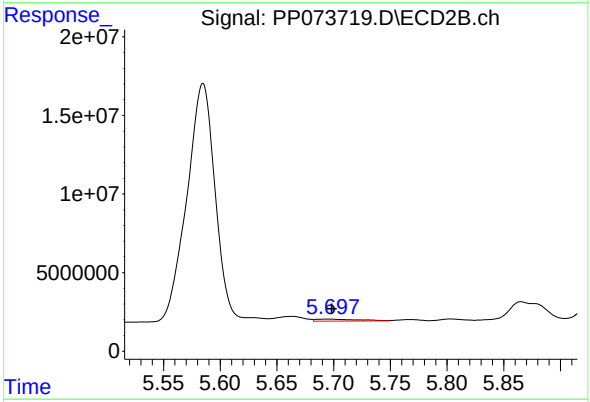
R.T.: 5.293 min
Delta R.T.: -0.015 min
Response: 1228394
Conc: 16.30 ng/ml



#25 AR-1248-5

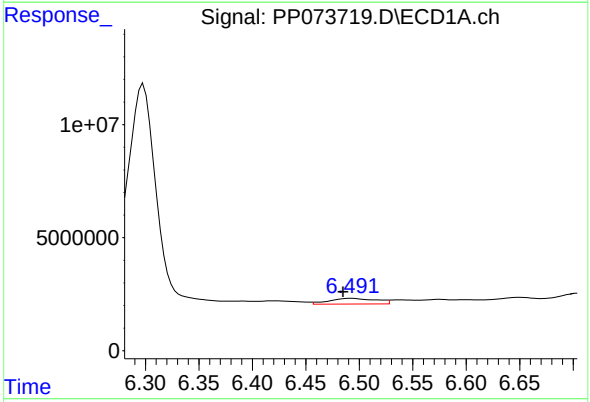
R.T.: 6.538 min
Delta R.T.: -0.009 min
Response: 2814099
Conc: 52.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



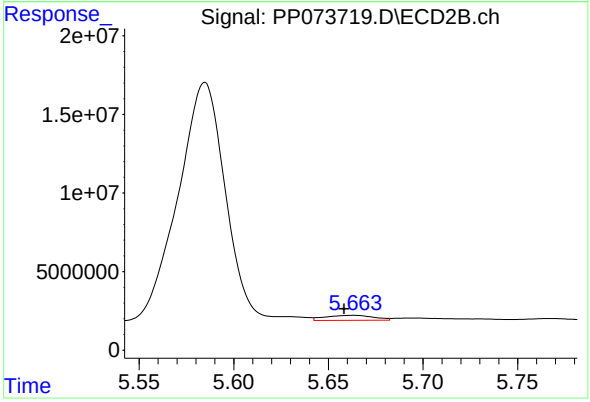
#25 AR-1248-5

R.T.: 5.697 min
Delta R.T.: -0.001 min
Response: 3300813
Conc: 44.25 ng/ml



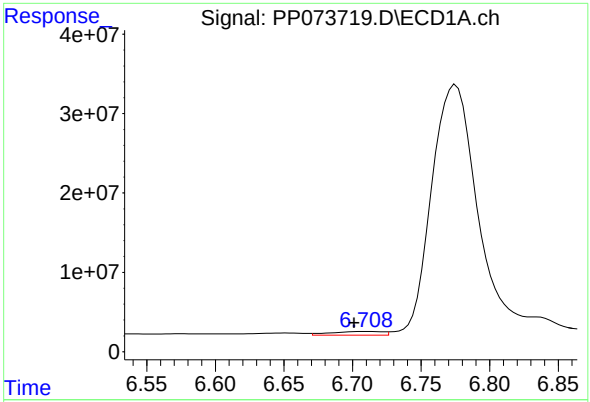
#26 AR-1254-1

R.T.: 6.493 min
Delta R.T.: 0.008 min
Response: 7700575
Conc: 143.70 ng/ml



#26 AR-1254-1

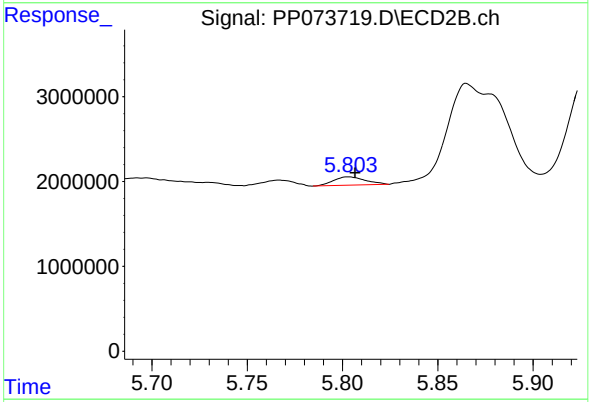
R.T.: 5.663 min
Delta R.T.: 0.005 min
Response: 5643596
Conc: 48.64 ng/ml



#27 AR-1254-2

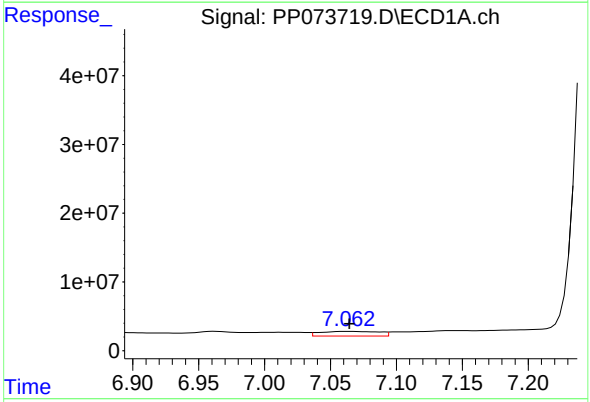
R.T.: 6.710 min
Delta R.T.: 0.008 min
Response: 12357112
Conc: 148.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



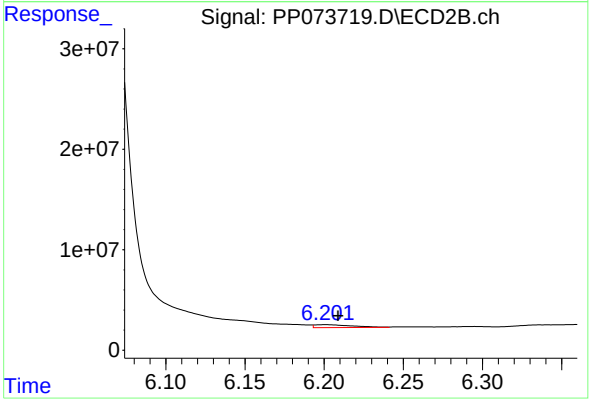
#27 AR-1254-2

R.T.: 5.803 min
Delta R.T.: -0.004 min
Response: 1147257
Conc: 11.40 ng/ml



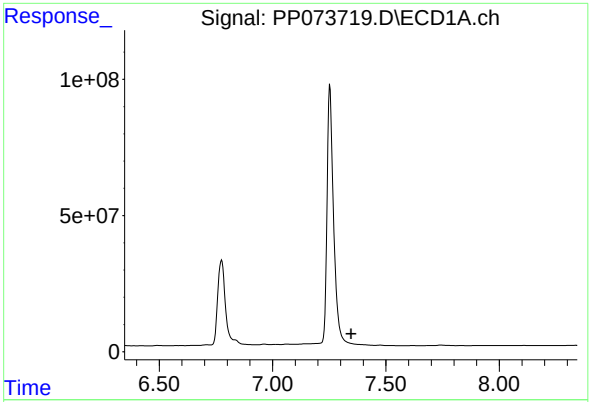
#28 AR-1254-3

R.T.: 7.063 min
Delta R.T.: -0.001 min
Response: 21384817
Conc: 242.10 ng/ml



#28 AR-1254-3

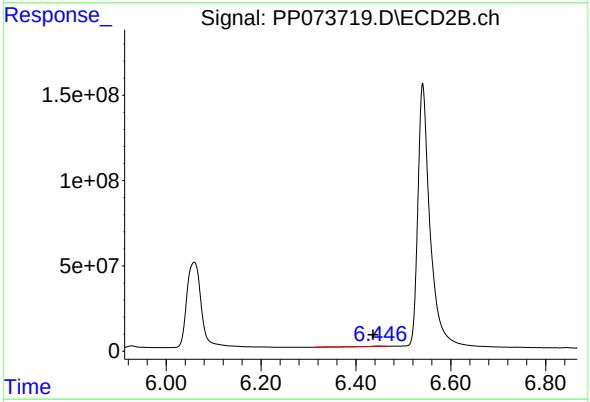
R.T.: 6.201 min
Delta R.T.: -0.008 min
Response: 4821615
Conc: 31.22 ng/ml



#29 AR-1254-4

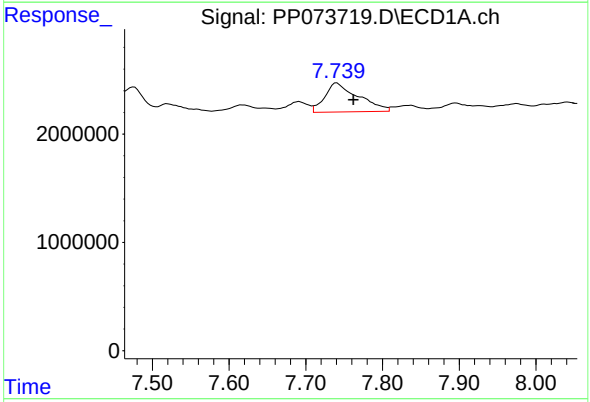
R.T.: 0.000 min
Exp R.T. : 7.346 min
Response: 0
Conc: N.D.

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



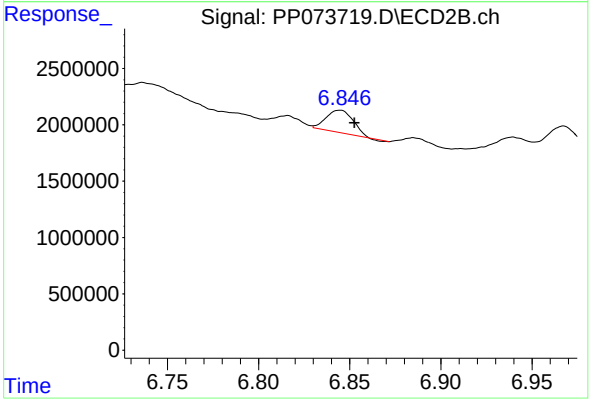
#29 AR-1254-4

R.T.: 6.446 min
Delta R.T.: 0.010 min
Response: 5238784
Conc: 55.40 ng/ml



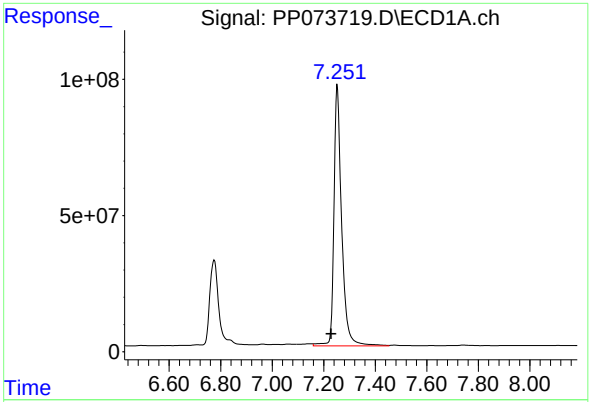
#30 AR-1254-5

R.T.: 7.740 min
Delta R.T.: -0.022 min
Response: 8137021
Conc: 110.44 ng/ml



#30 AR-1254-5

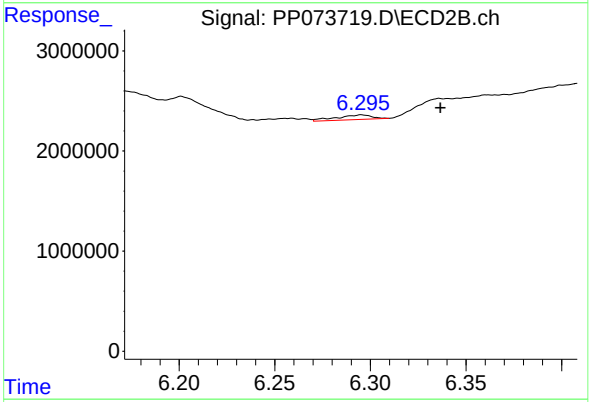
R.T.: 6.845 min
Delta R.T.: -0.008 min
Response: 2026431
Conc: 15.19 ng/ml



#31 AR-1260-1

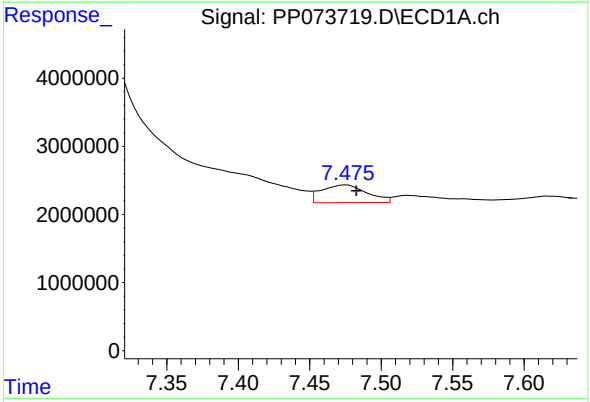
R.T.: 7.253 min
Delta R.T.: 0.024 min
Response: 1995075152
Conc: 33837.06 ng/

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



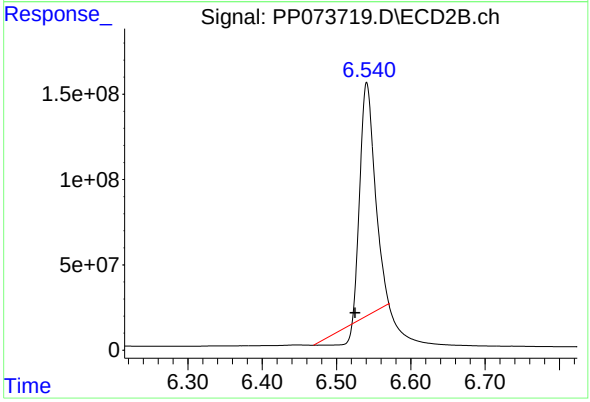
#31 AR-1260-1

R.T.: 6.296 min
Delta R.T.: -0.041 min
Response: 606612
Conc: 6.22 ng/ml



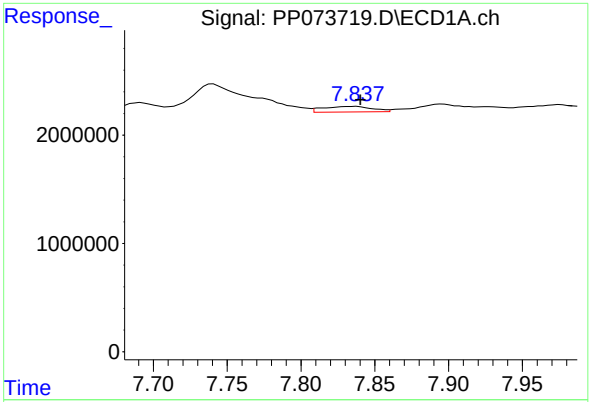
#32 AR-1260-2

R.T.: 7.476 min
Delta R.T.: -0.007 min
Response: 5794555
Conc: 60.46 ng/ml



#32 AR-1260-2

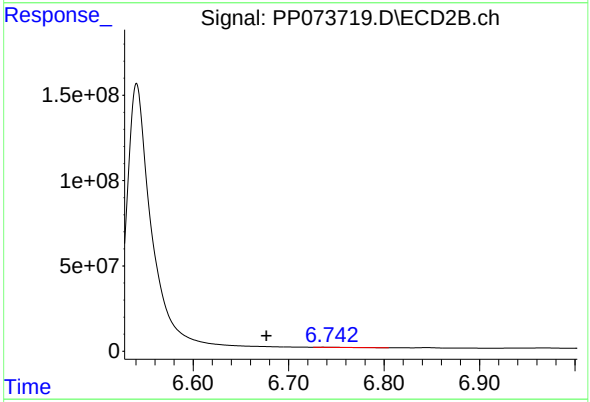
R.T.: 6.541 min
Delta R.T.: 0.016 min
Response: 1748016640
Conc: 14230.31 ng/ml



#33 AR-1260-3

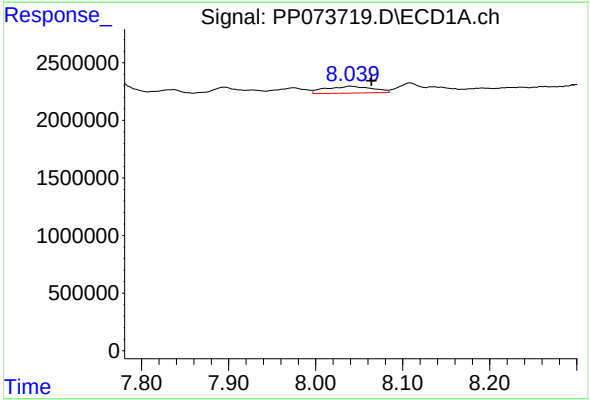
R.T.: 7.837 min
Delta R.T.: -0.003 min
Response: 1205326
Conc: 16.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



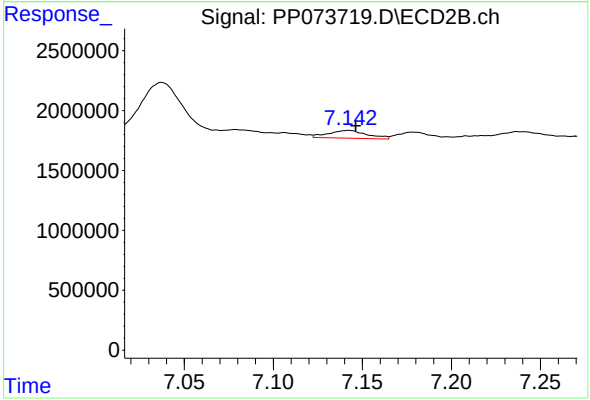
#33 AR-1260-3

R.T.: 6.736 min
Delta R.T.: 0.059 min
Response: 445192
Conc: 4.07 ng/ml



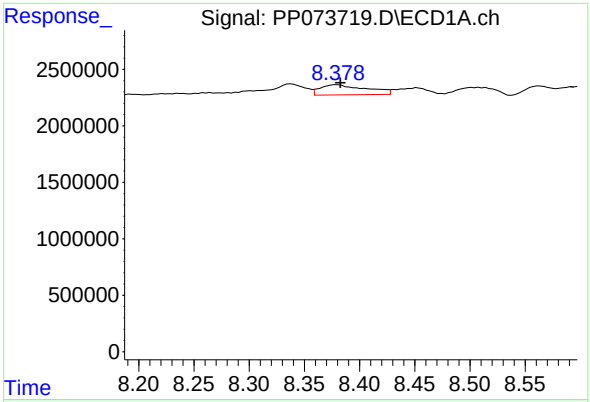
#34 AR-1260-4

R.T.: 8.041 min
Delta R.T.: -0.023 min
Response: 2177070
Conc: 33.34 ng/ml



#34 AR-1260-4

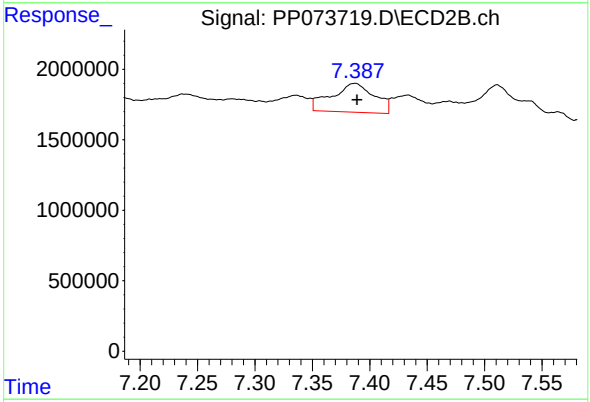
R.T.: 7.142 min
Delta R.T.: -0.004 min
Response: 989755
Conc: 11.07 ng/ml



#35 AR-1260-5

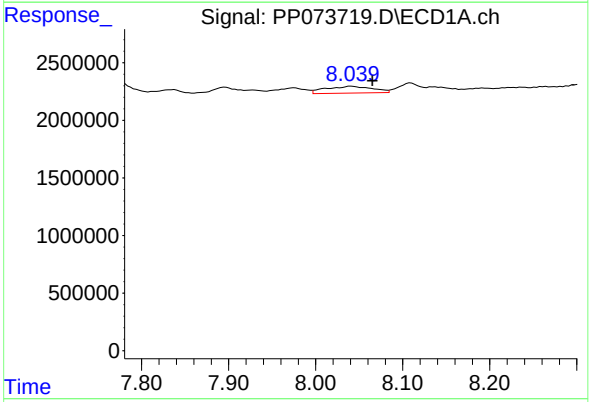
R.T.: 8.380 min
Delta R.T.: -0.003 min
Response: 2600521
Conc: 17.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



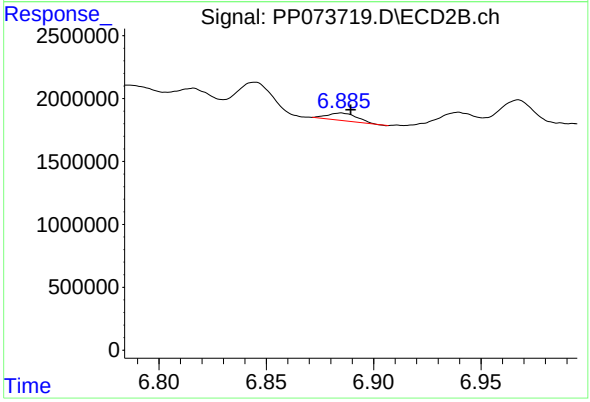
#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: -0.002 min
Response: 5313472
Conc: 23.64 ng/ml



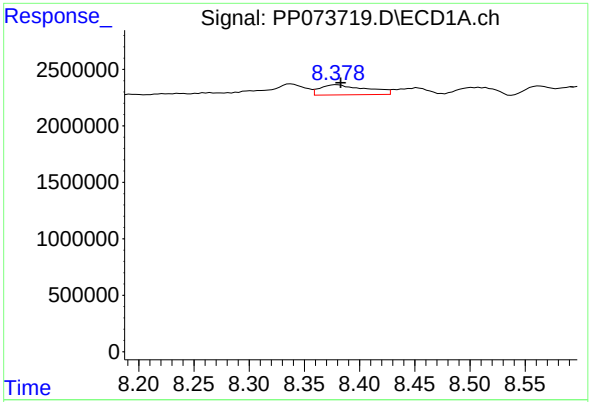
#36 AR-1262-1

R.T.: 8.041 min
Delta R.T.: -0.024 min
Response: 2177070
Conc: 25.02 ng/ml



#36 AR-1262-1

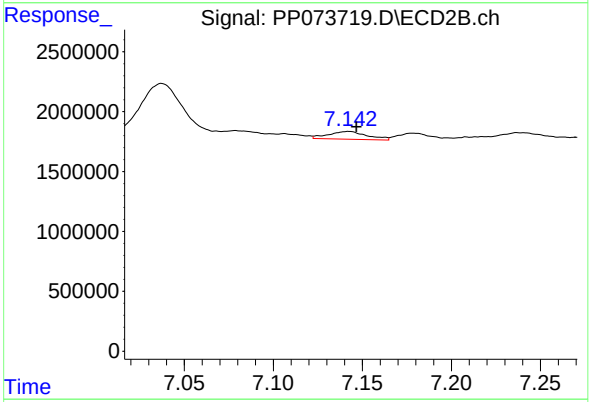
R.T.: 6.885 min
Delta R.T.: -0.005 min
Response: 584303
Conc: 3.96 ng/ml



#37 AR-1262-2

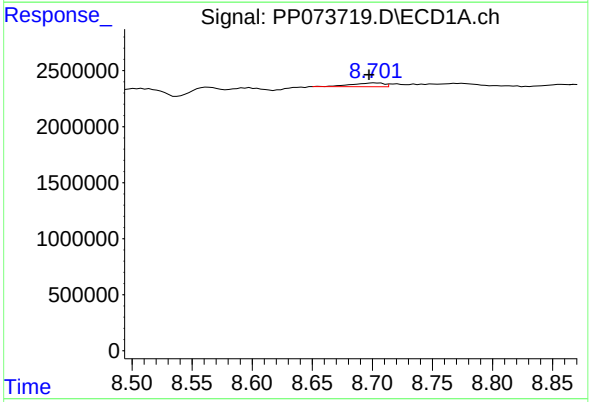
R.T.: 8.380 min
Delta R.T.: -0.004 min
Response: 2600521
Conc: 13.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



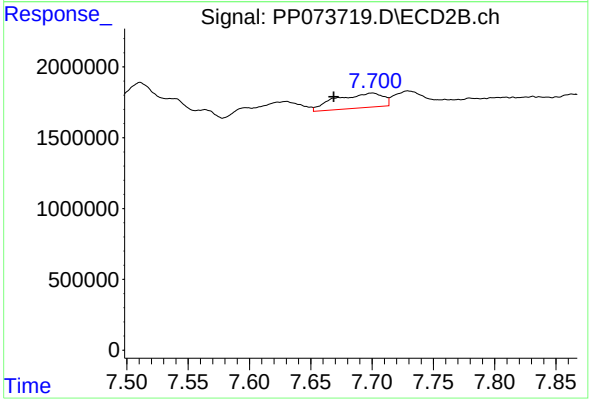
#37 AR-1262-2

R.T.: 7.142 min
Delta R.T.: -0.004 min
Response: 989755
Conc: 7.74 ng/ml



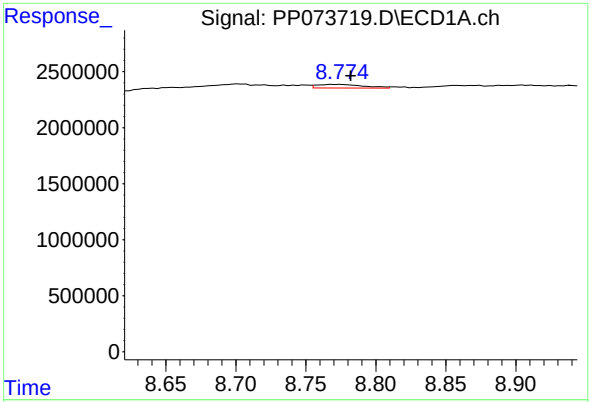
#38 AR-1262-3

R.T.: 8.702 min
Delta R.T.: 0.005 min
Response: 645262
Conc: 5.13 ng/ml



#38 AR-1262-3

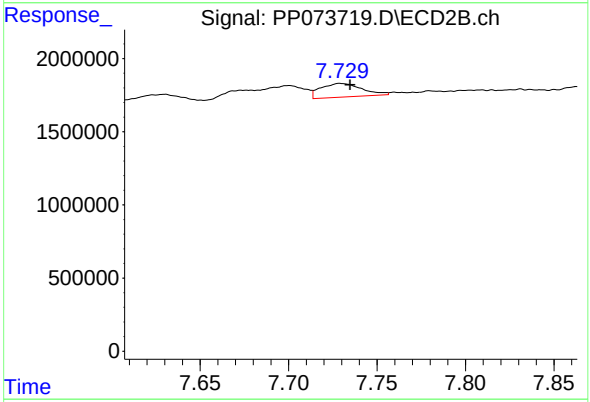
R.T.: 7.700 min
Delta R.T.: 0.031 min
Response: 2758398
Conc: 24.19 ng/ml



#39 AR-1262-4

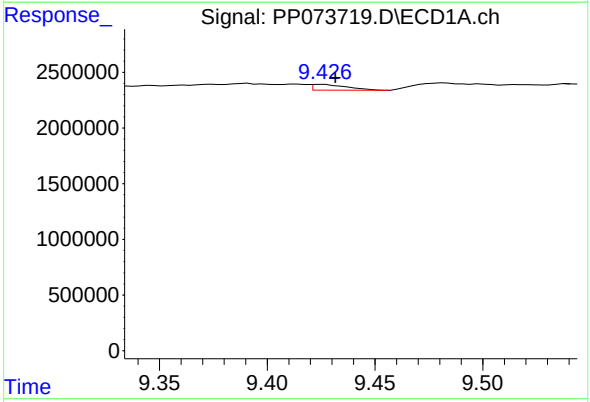
R.T.: 8.775 min
Delta R.T.: -0.007 min
Response: 765143
Conc: 8.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



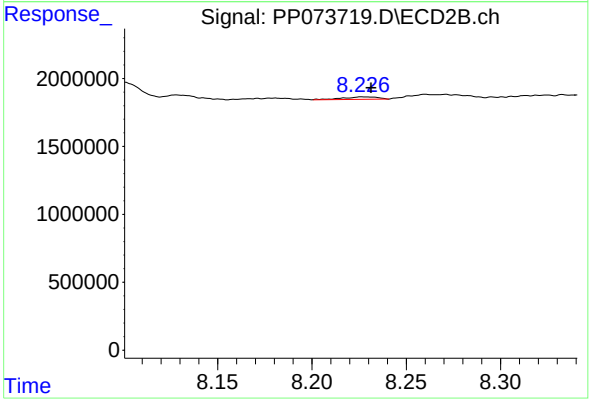
#39 AR-1262-4

R.T.: 7.729 min
Delta R.T.: -0.006 min
Response: 1514315
Conc: 8.23 ng/ml



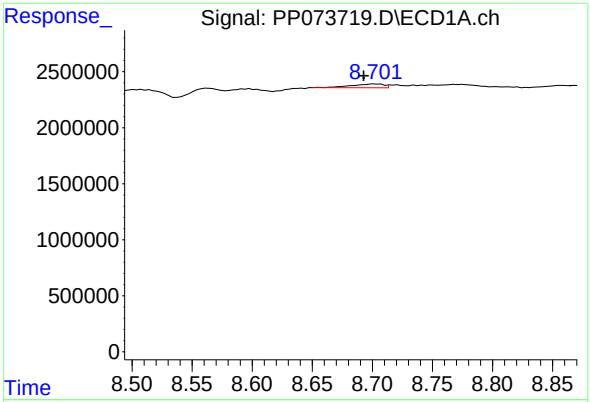
#40 AR-1262-5

R.T.: 9.426 min
Delta R.T.: -0.006 min
Response: 594437
Conc: 9.38 ng/ml



#40 AR-1262-5

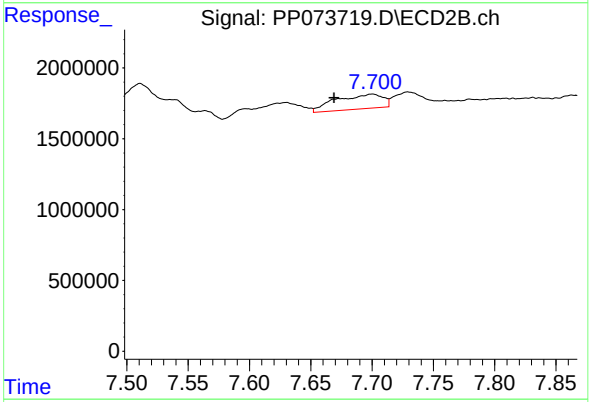
R.T.: 8.227 min
Delta R.T.: -0.004 min
Response: 234895
Conc: 2.78 ng/ml



#41 AR-1268-1

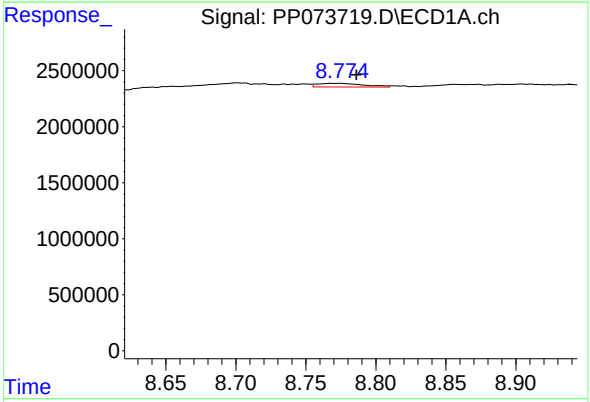
R.T.: 8.702 min
Delta R.T.: 0.009 min
Response: 645262
Conc: 2.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



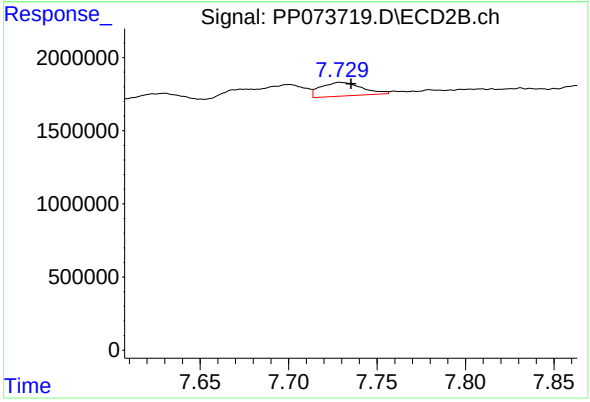
#41 AR-1268-1

R.T.: 7.700 min
Delta R.T.: 0.031 min
Response: 2758398
Conc: 8.97 ng/ml



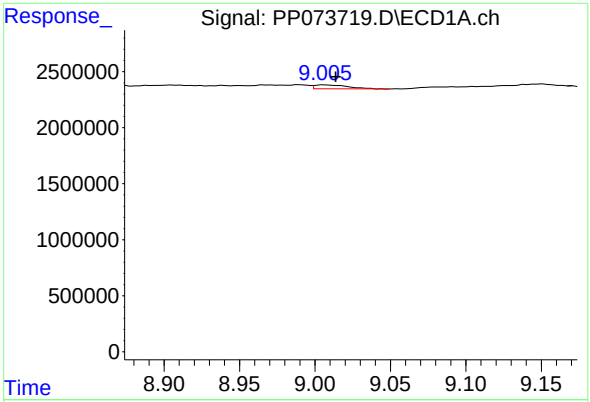
#42 AR-1268-2

R.T.: 8.775 min
Delta R.T.: -0.011 min
Response: 765143
Conc: 4.02 ng/ml



#42 AR-1268-2

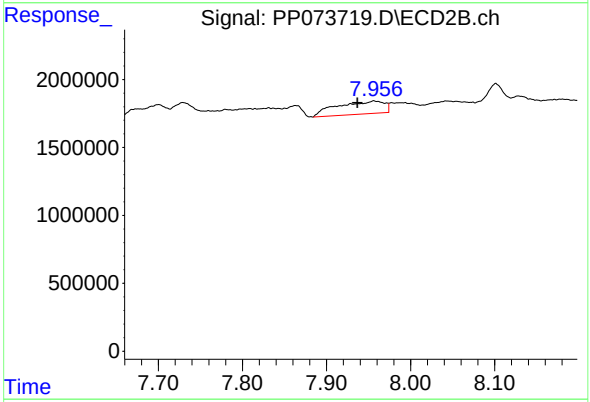
R.T.: 7.729 min
Delta R.T.: -0.006 min
Response: 1514315
Conc: 5.70 ng/ml



#43 AR-1268-3

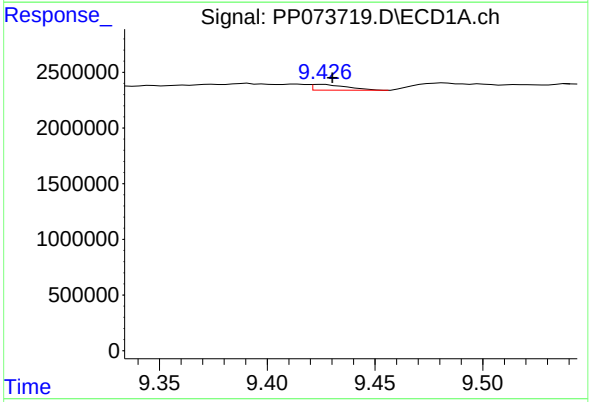
R.T.: 9.007 min
Delta R.T.: -0.007 min
Response: 535335
Conc: 3.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



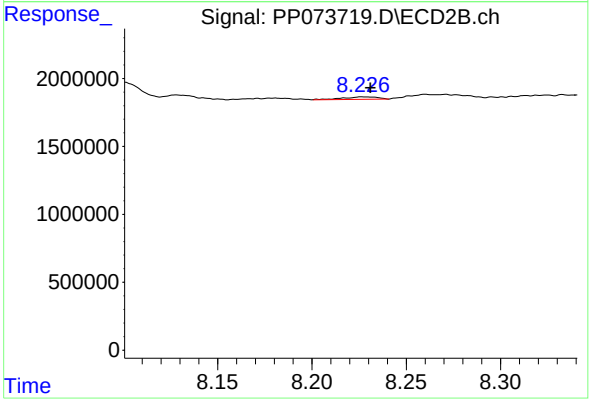
#43 AR-1268-3

R.T.: 7.956 min
Delta R.T.: 0.020 min
Response: 3715462
Conc: 16.47 ng/ml



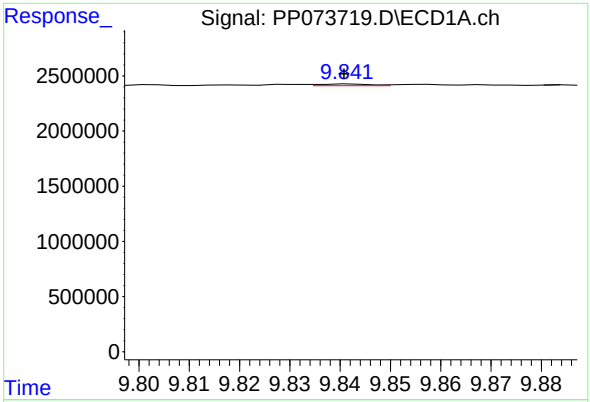
#44 AR-1268-4

R.T.: 9.426 min
Delta R.T.: -0.004 min
Response: 594437
Conc: 8.55 ng/ml



#44 AR-1268-4

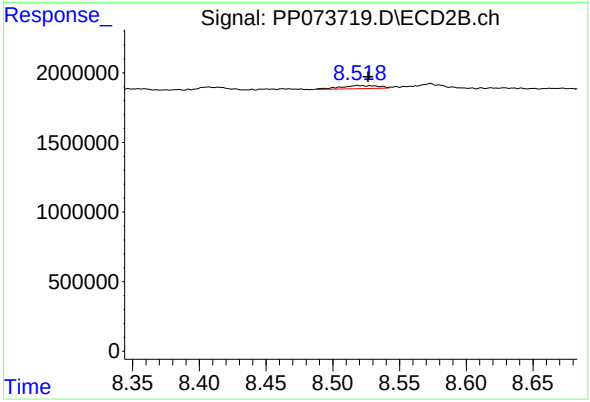
R.T.: 8.227 min
Delta R.T.: -0.004 min
Response: 234895
Conc: 2.53 ng/ml



#45 AR-1268-5

R.T.: 9.842 min
Delta R.T.: 0.001 min
Response: 112908
Conc: 0.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925



#45 AR-1268-5

R.T.: 8.519 min
Delta R.T.: -0.008 min
Response: 440692
Conc: 0.71 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073720.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:59
Operator : YP\AJ
Sample : Q2555-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.487	3.778	23416220	28483420	17.098	15.461	
2)	SA Decachlor...	10.173	8.777	13937143	19253983	12.774	14.552	
	Target Compounds							
3)	L1 AR-1016-1	5.638	4.855	17661073	25080131	371.706	367.880	
4)	L1 AR-1016-2	5.659	4.873	27876169	38362194	391.437	376.527	
5)	L1 AR-1016-3	5.721	5.050	17027811	20996161	389.982	388.054	
6)	L1 AR-1016-4	5.818	5.092	16382289	16573374	455.753	377.690	
7)	L1 AR-1016-5	6.110	5.305	9716002	20840592	310.114	381.818	
8)	L2 AR-1221-1	4.688	3.984	4490283	3401185	251.325	125.761	#
9)	L2 AR-1221-2	4.774	4.071	2396981	7758966	177.495	381.083	#
10)	L2 AR-1221-3	4.849	4.147	13683459	17273232	328.891	281.100	
11)	L3 AR-1232-1	4.849	4.147	13683459	17273232	419.086	370.556	
12)	L3 AR-1232-2	5.372	4.873	15941156	38362194	980.712	804.917	
13)	L3 AR-1232-3	5.659	5.050	27876169	20996161	844.900	838.872	
14)	L3 AR-1232-4	5.818	5.133	16382289	19453705	996.177	898.294	
15)	L3 AR-1232-5	5.908	5.305	10887408	20840592	1029.994	923.644	
16)	L4 AR-1242-1	5.638	4.855	17661073	25080131	462.474	434.177	
17)	L4 AR-1242-2	5.659	4.873	27876169	38362194	465.518	443.729	
18)	L4 AR-1242-3	5.721	5.050	17027811	20996161	464.975	456.968	
19)	L4 AR-1242-4	5.818	5.133	16382289	19453705	509.780	439.500	
20)	L4 AR-1242-5	6.547	5.656	2966489	21840815	90.616	395.363	#
21)	L5 AR-1248-1	5.638	4.855	17661073	25080131	572.101	558.641	
22)	L5 AR-1248-2	5.908	5.092	10887408	16573374	272.708	269.326	
23)	L5 AR-1248-3	6.110	5.133	9716002	19453705	218.781	303.658	#
24)	L5 AR-1248-4	6.486	5.305	15470630	20840592	280.873	276.483	
25)	L5 AR-1248-5	6.547	5.695	2966489	3971551	55.149	53.244	
26)	L6 AR-1254-1	6.486	5.656	15470630	21840815	288.688	188.234	#
27)	L6 AR-1254-2	6.701	5.803	13525173	17259107	162.389	171.522	
28)	L6 AR-1254-3	7.065	6.219	7857782	29904054	88.958	193.621	#
29)	L6 AR-1254-4	7.346	6.433	5291753	3949366	67.268	41.766	#
30)	L6 AR-1254-5	7.761	6.848	40012921	51974532	543.065	389.483	#
31)	L7 AR-1260-1	7.227	6.335	25690730	38074952	435.722	390.271	
32)	L7 AR-1260-2	7.481	6.524	33468668	44938927	349.214	365.840	
33)	L7 AR-1260-3	7.839	6.675	21683026	39996025	296.741	365.381	
34)	L7 AR-1260-4	8.062	7.143	22102777	30801258	338.481	344.501	
35)	L7 AR-1260-5	8.380	7.387	46910835	72666578	310.971	323.341	
36)	L8 AR-1262-1	8.062	6.886	22102777	32607359	253.975	220.780	
37)	L8 AR-1262-2	8.380	7.143	46910835	30801258	236.890	240.957	
38)	L8 AR-1262-3	8.703	7.666	28587848	17503410	227.384	153.513	#
39)	L8 AR-1262-4	8.762	7.730	16925254	47514722	181.479	258.163	#
40)	L8 AR-1262-5	9.427	8.228	12963766	14051066	204.510	166.412	
41)	L9 AR-1268-1	8.703	7.666	28587848	17503410	128.068	56.944	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073720.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:59
Operator : YP\AJ
Sample : Q2555-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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	8.762	7.730	16925254	47514722	88.844	178.837 #
43)	L9 AR-1268-3	9.010	7.933	3001753	5765077	18.129	25.557 #
44)	L9 AR-1268-4	9.427	8.228	12963766	14051066	186.411	151.139
45)	L9 AR-1268-5	9.837	8.522	3112168	4621914	6.751	7.496

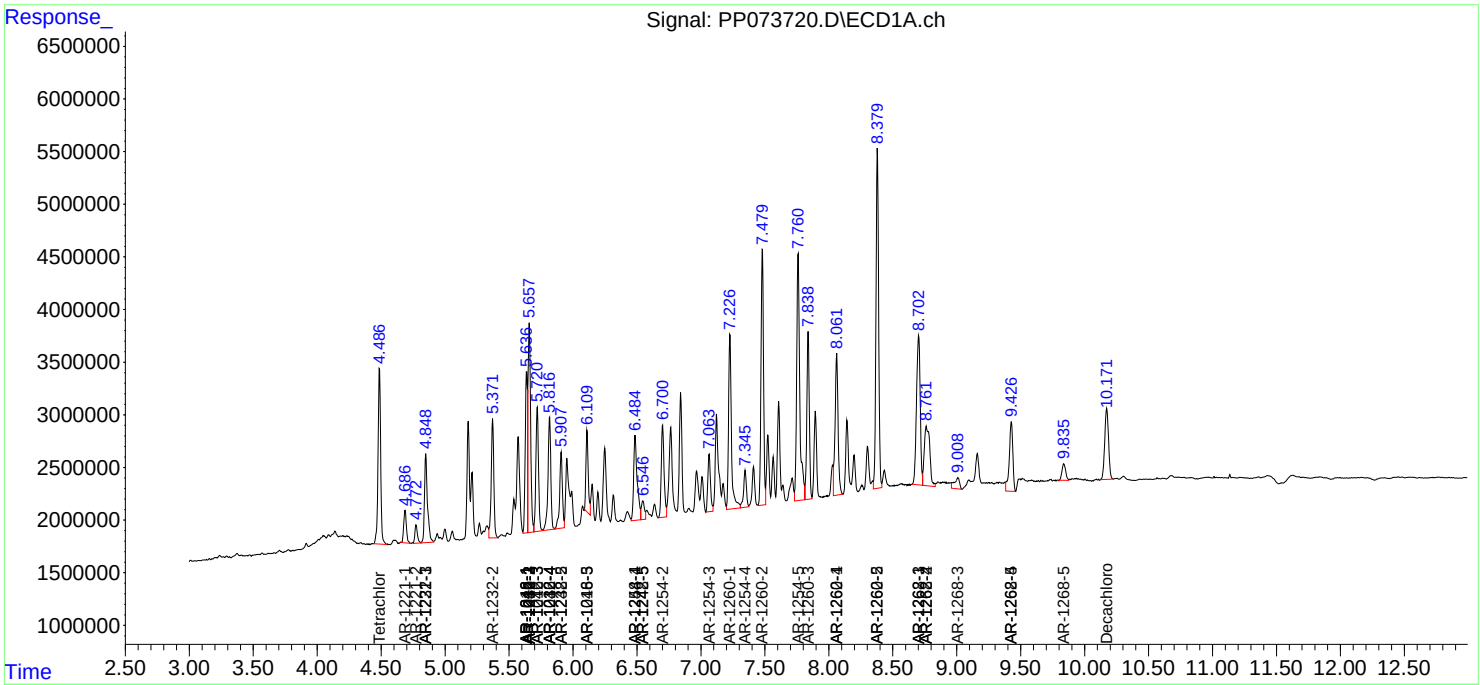
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

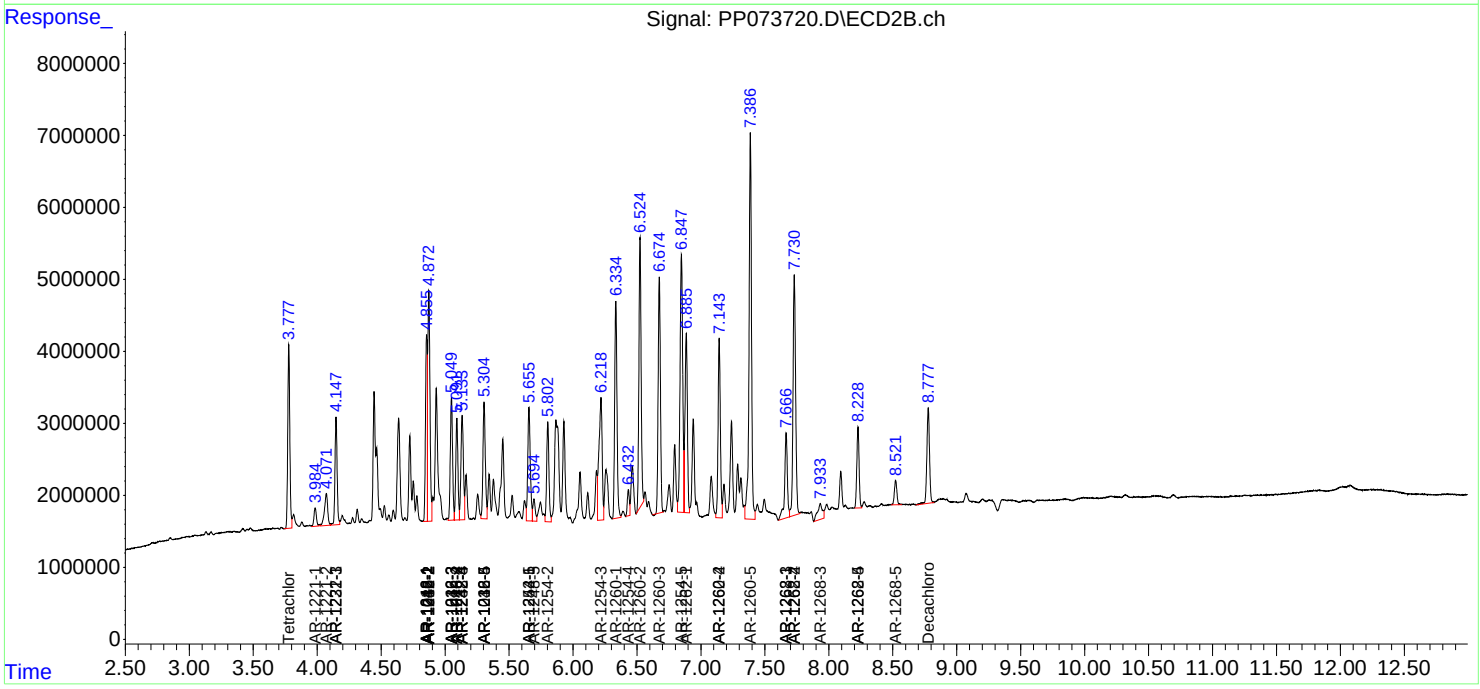
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073720.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:59
Operator : YP\AJ
Sample : Q2555-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

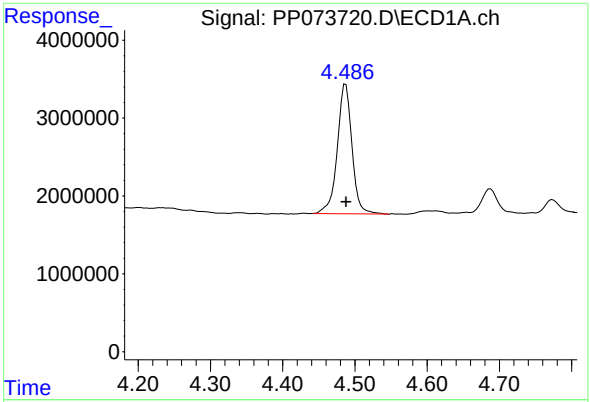
Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 14:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



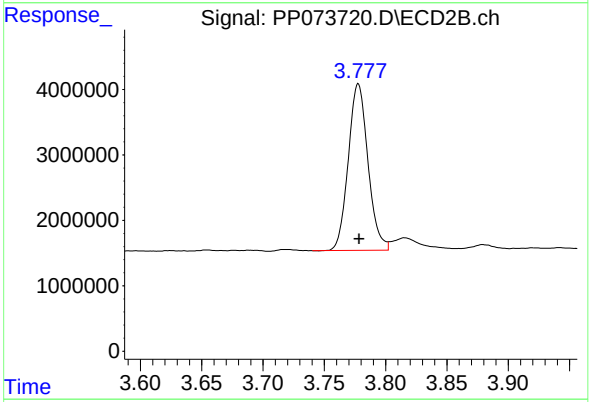




#1 Tetrachloro-m-xylene

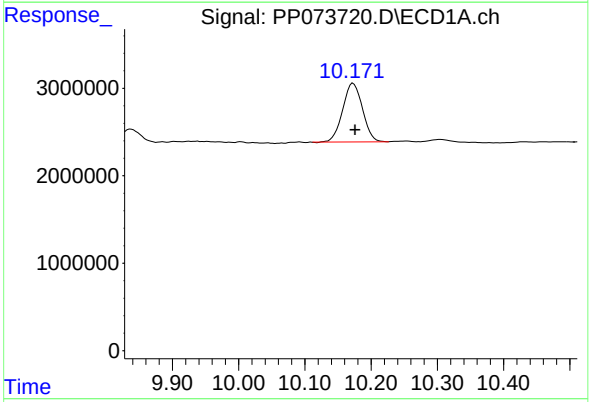
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 23416220
Conc: 17.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



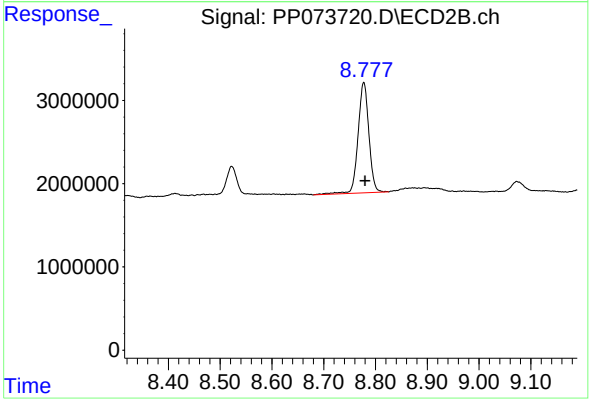
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 28483420
Conc: 15.46 ng/ml



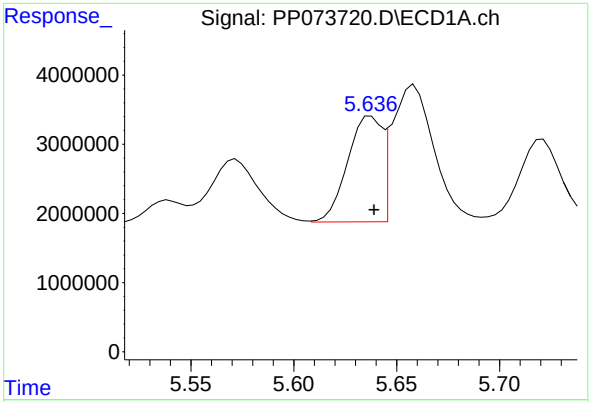
#2 Decachlorobiphenyl

R.T.: 10.173 min
Delta R.T.: -0.003 min
Response: 13937143
Conc: 12.77 ng/ml



#2 Decachlorobiphenyl

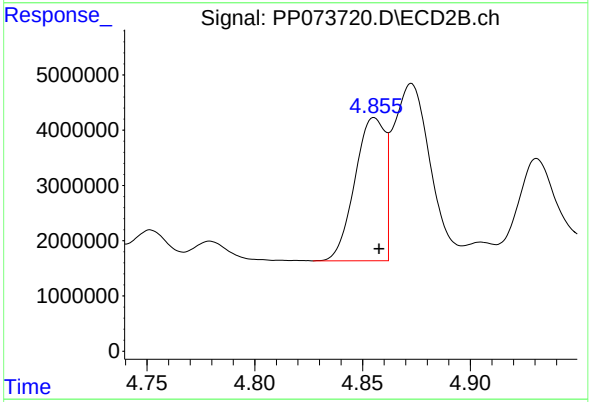
R.T.: 8.777 min
Delta R.T.: -0.003 min
Response: 19253983
Conc: 14.55 ng/ml



#3 AR-1016-1

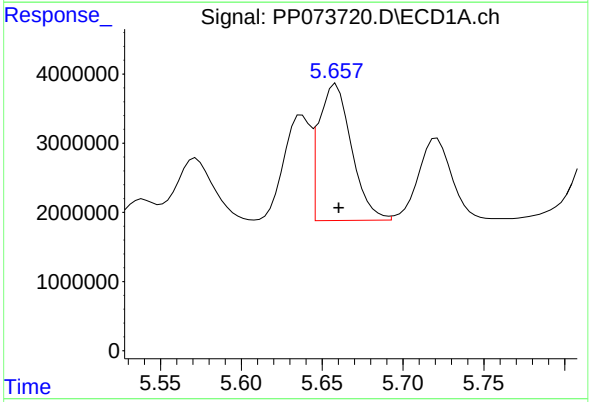
R.T.: 5.638 min
Delta R.T.: -0.001 min
Response: 17661073
Conc: 371.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



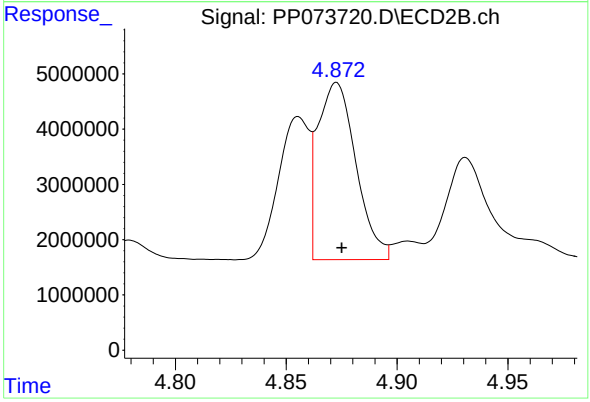
#3 AR-1016-1

R.T.: 4.855 min
Delta R.T.: -0.002 min
Response: 25080131
Conc: 367.88 ng/ml



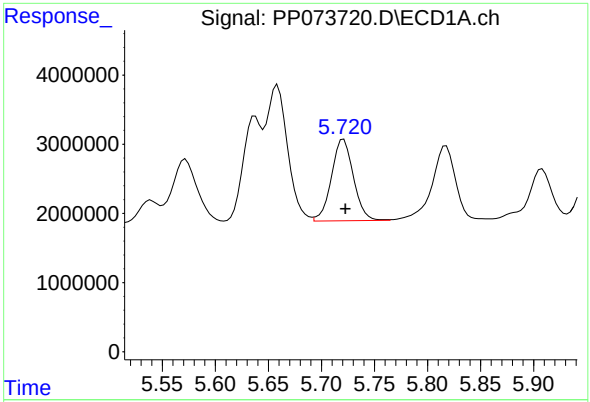
#4 AR-1016-2

R.T.: 5.659 min
Delta R.T.: -0.002 min
Response: 27876169
Conc: 391.44 ng/ml



#4 AR-1016-2

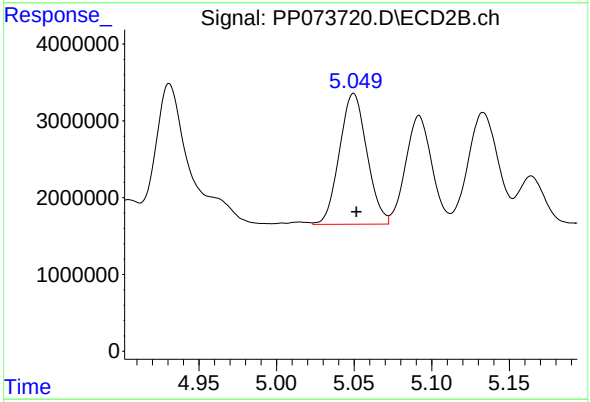
R.T.: 4.873 min
Delta R.T.: -0.002 min
Response: 38362194
Conc: 376.53 ng/ml



#5 AR-1016-3

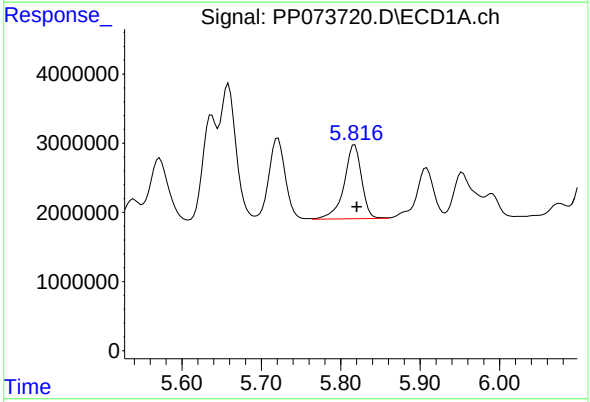
R.T.: 5.721 min
Delta R.T.: -0.002 min
Response: 17027811
Conc: 389.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



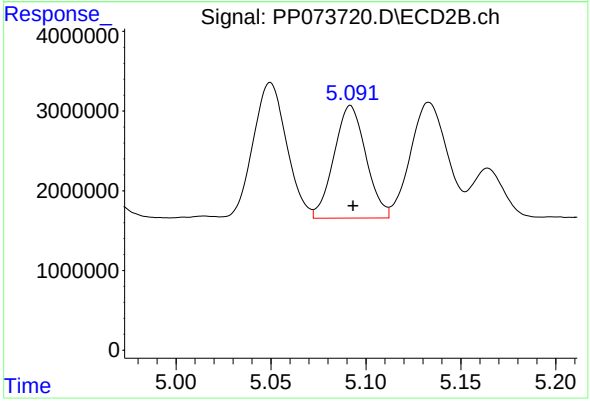
#5 AR-1016-3

R.T.: 5.050 min
Delta R.T.: -0.002 min
Response: 20996161
Conc: 388.05 ng/ml



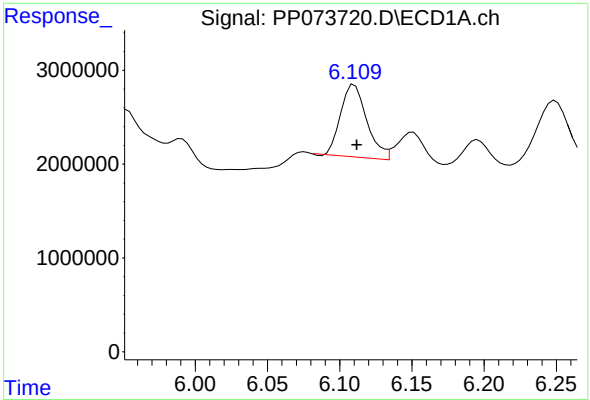
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.003 min
Response: 16382289
Conc: 455.75 ng/ml



#6 AR-1016-4

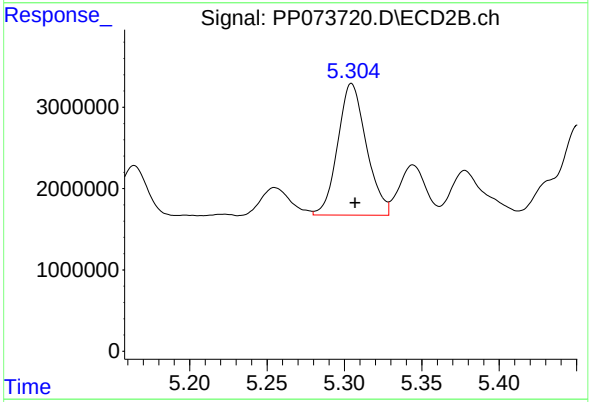
R.T.: 5.092 min
Delta R.T.: -0.001 min
Response: 16573374
Conc: 377.69 ng/ml



#7 AR-1016-5

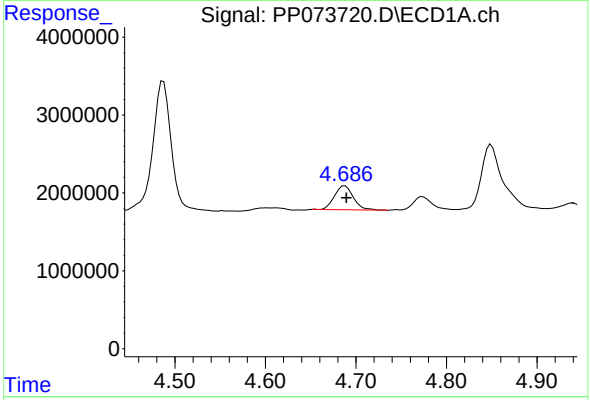
R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 9716002
Conc: 310.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



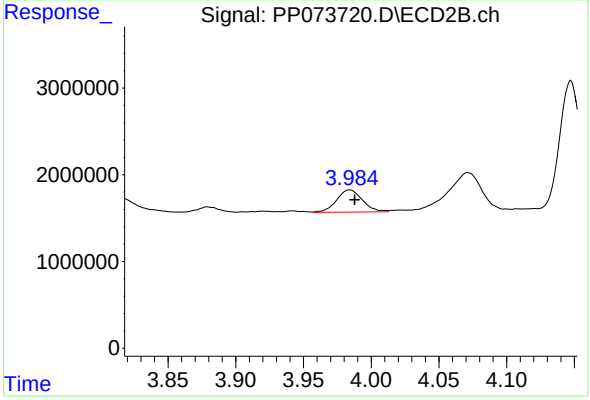
#7 AR-1016-5

R.T.: 5.305 min
Delta R.T.: -0.002 min
Response: 20840592
Conc: 381.82 ng/ml



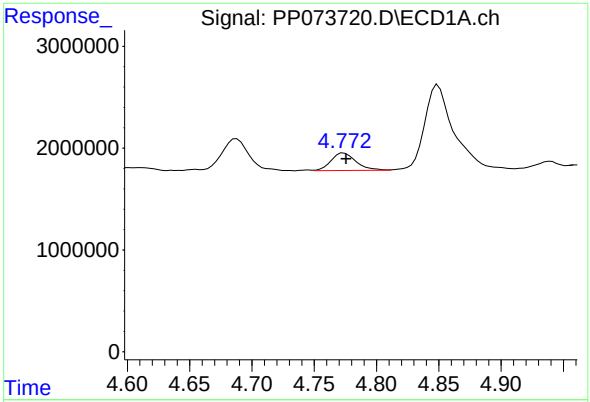
#8 AR-1221-1

R.T.: 4.688 min
Delta R.T.: -0.002 min
Response: 4490283
Conc: 251.33 ng/ml



#8 AR-1221-1

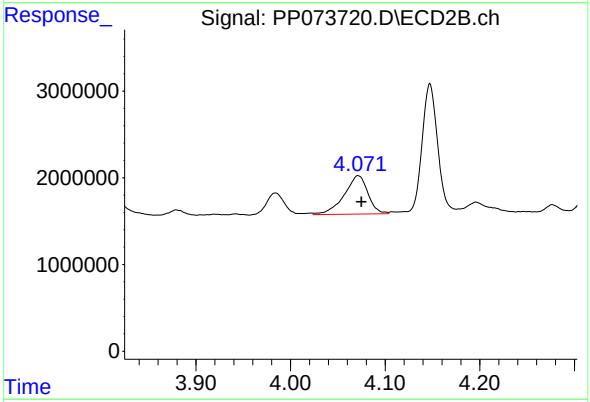
R.T.: 3.984 min
Delta R.T.: -0.004 min
Response: 3401185
Conc: 125.76 ng/ml



#9 AR-1221-2

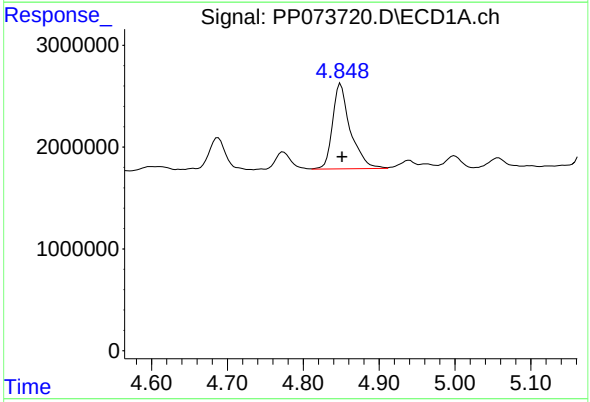
R.T.: 4.774 min
Delta R.T.: -0.002 min
Response: 2396981
Conc: 177.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



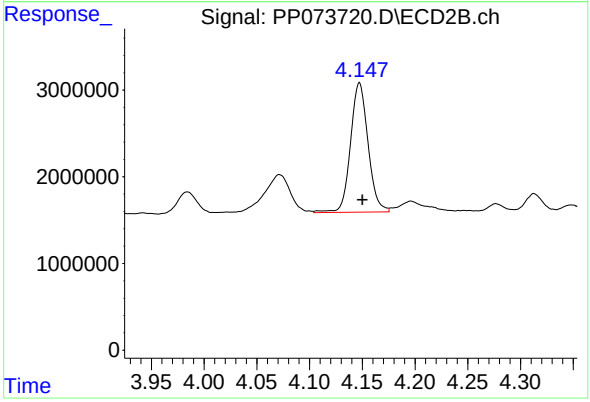
#9 AR-1221-2

R.T.: 4.071 min
Delta R.T.: -0.004 min
Response: 7758966
Conc: 381.08 ng/ml



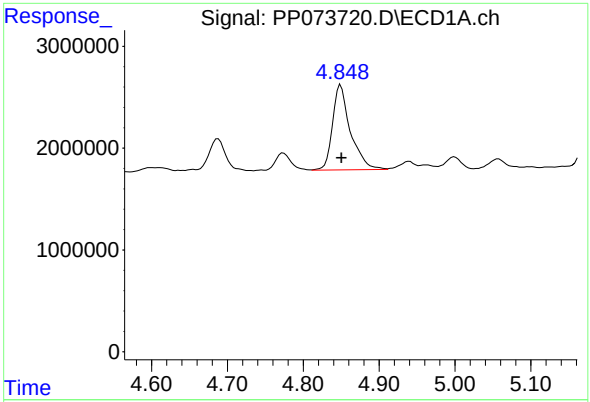
#10 AR-1221-3

R.T.: 4.849 min
Delta R.T.: -0.002 min
Response: 13683459
Conc: 328.89 ng/ml



#10 AR-1221-3

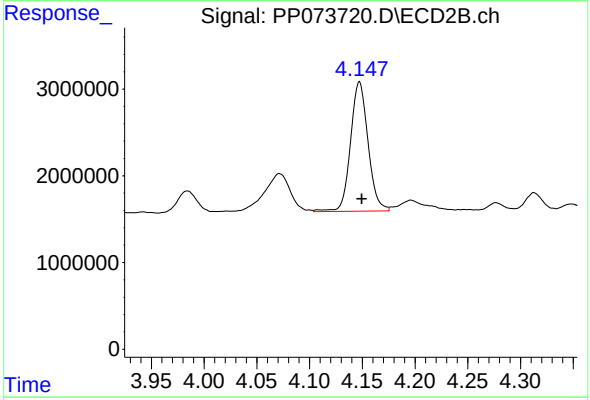
R.T.: 4.147 min
Delta R.T.: -0.003 min
Response: 17273232
Conc: 281.10 ng/ml



#11 AR-1232-1

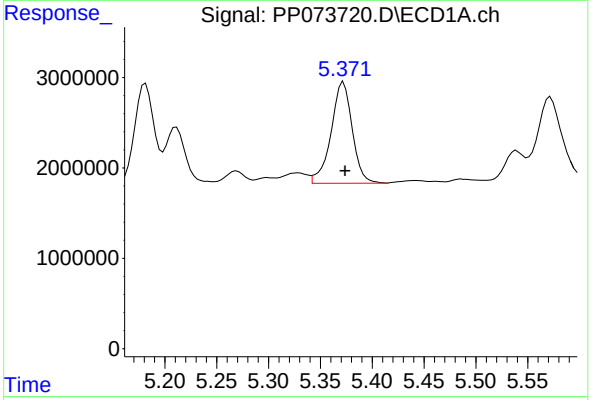
R.T.: 4.849 min
Delta R.T.: 0.000 min
Response: 13683459
Conc: 419.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



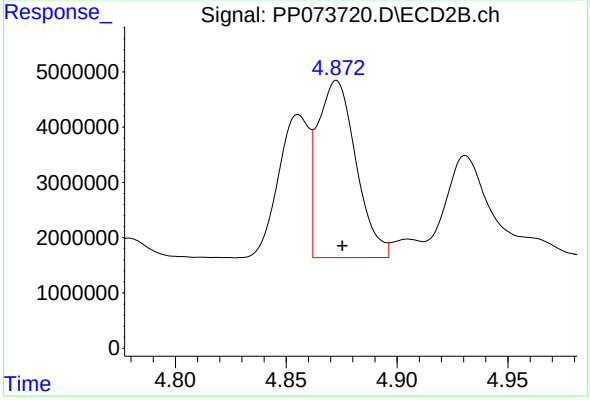
#11 AR-1232-1

R.T.: 4.147 min
Delta R.T.: -0.002 min
Response: 17273232
Conc: 370.56 ng/ml



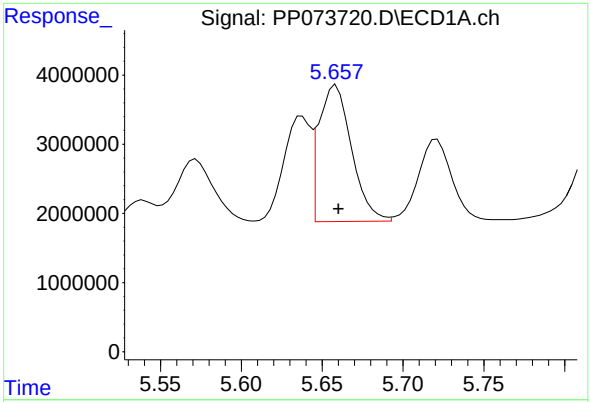
#12 AR-1232-2

R.T.: 5.372 min
Delta R.T.: -0.002 min
Response: 15941156
Conc: 980.71 ng/ml



#12 AR-1232-2

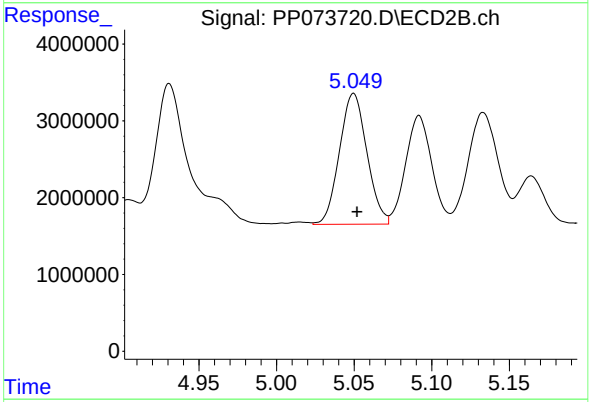
R.T.: 4.873 min
Delta R.T.: -0.003 min
Response: 38362194
Conc: 804.92 ng/ml



#13 AR-1232-3

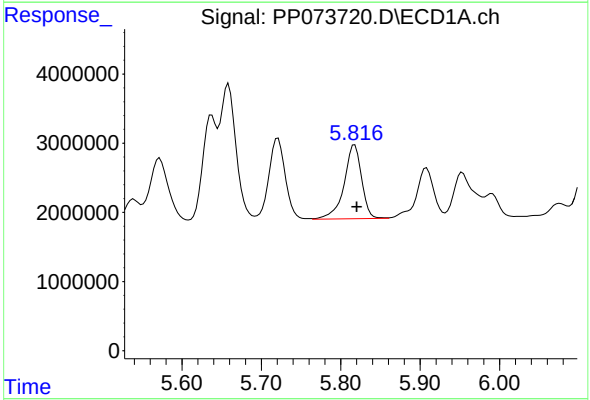
R.T.: 5.659 min
Delta R.T.: -0.002 min
Response: 27876169
Conc: 844.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



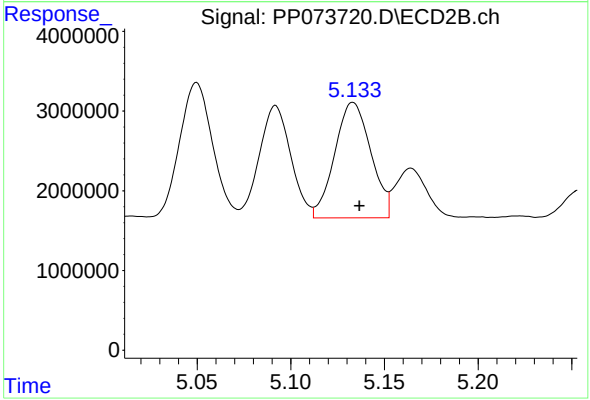
#13 AR-1232-3

R.T.: 5.050 min
Delta R.T.: -0.002 min
Response: 20996161
Conc: 838.87 ng/ml



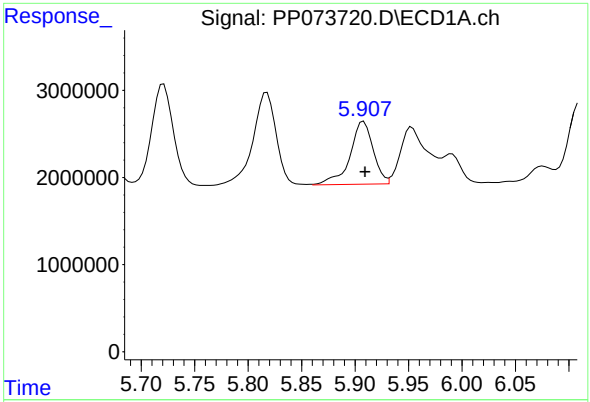
#14 AR-1232-4

R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 16382289
Conc: 996.18 ng/ml



#14 AR-1232-4

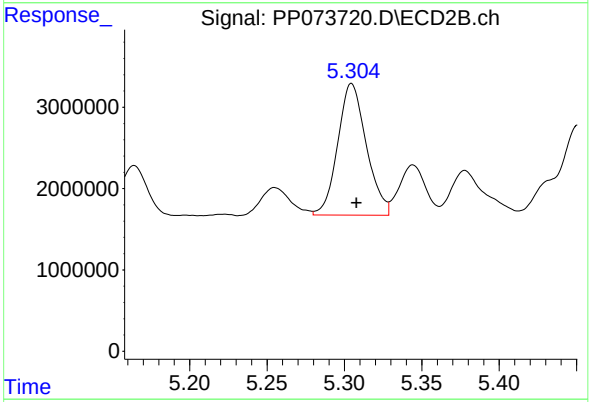
R.T.: 5.133 min
Delta R.T.: -0.003 min
Response: 19453705
Conc: 898.29 ng/ml



#15 AR-1232-5

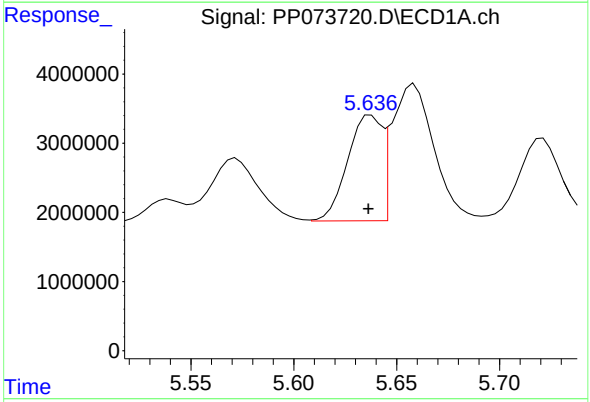
R.T.: 5.908 min
Delta R.T.: -0.001 min
Response: 10887408
Conc: 1029.99 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



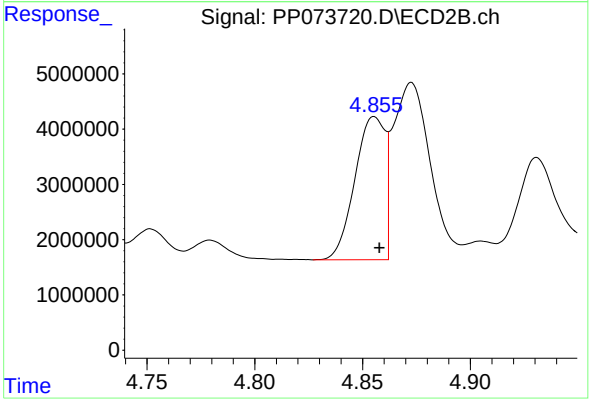
#15 AR-1232-5

R.T.: 5.305 min
Delta R.T.: -0.003 min
Response: 20840592
Conc: 923.64 ng/ml



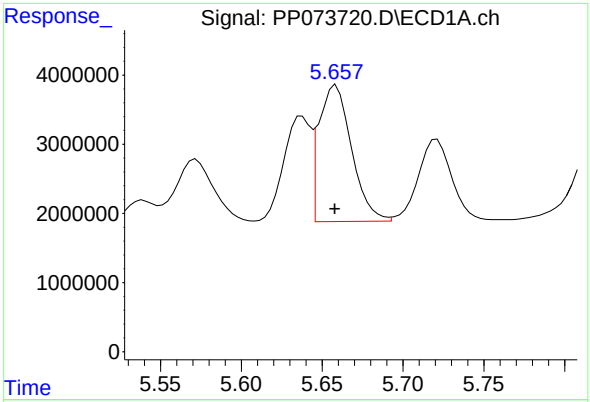
#16 AR-1242-1

R.T.: 5.638 min
Delta R.T.: 0.001 min
Response: 17661073
Conc: 462.47 ng/ml



#16 AR-1242-1

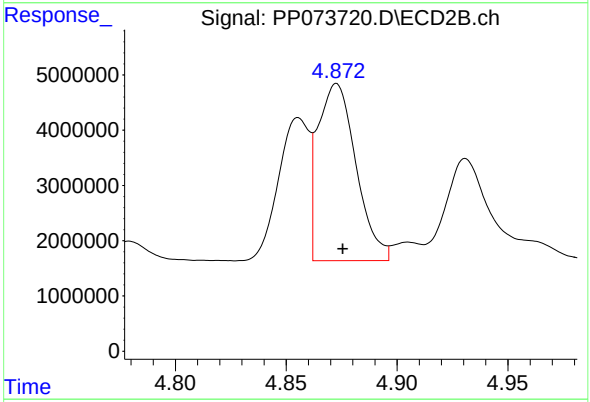
R.T.: 4.855 min
Delta R.T.: -0.002 min
Response: 25080131
Conc: 434.18 ng/ml



#17 AR-1242-2

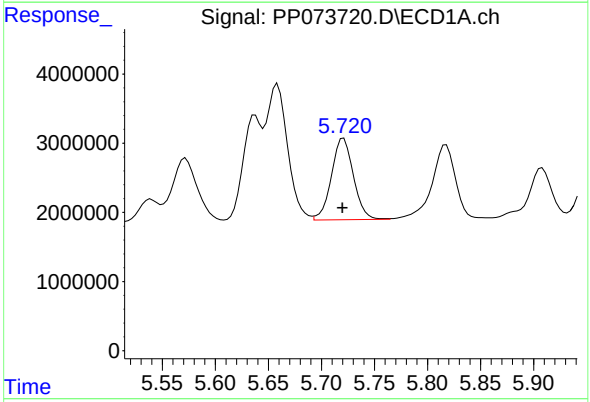
R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 27876169
Conc: 465.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



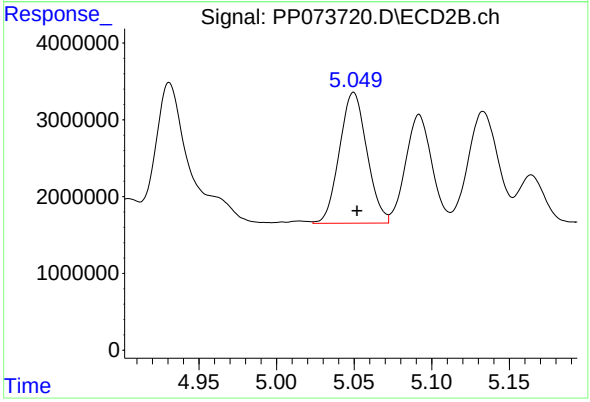
#17 AR-1242-2

R.T.: 4.873 min
Delta R.T.: -0.003 min
Response: 38362194
Conc: 443.73 ng/ml



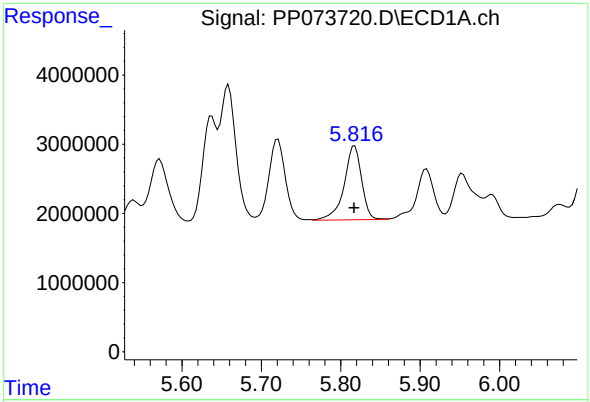
#18 AR-1242-3

R.T.: 5.721 min
Delta R.T.: 0.001 min
Response: 17027811
Conc: 464.98 ng/ml



#18 AR-1242-3

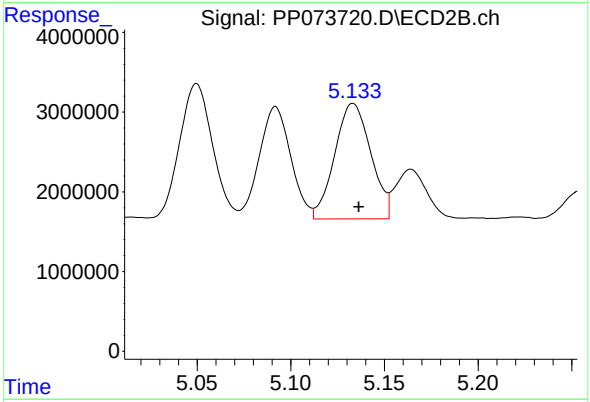
R.T.: 5.050 min
Delta R.T.: -0.002 min
Response: 20996161
Conc: 456.97 ng/ml



#19 AR-1242-4

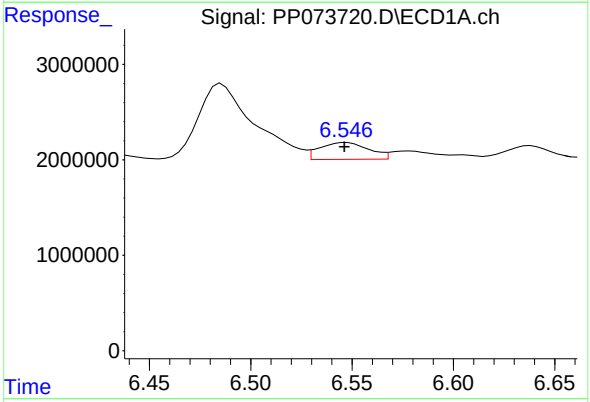
R.T.: 5.818 min
Delta R.T.: 0.000 min
Response: 16382289
Conc: 509.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



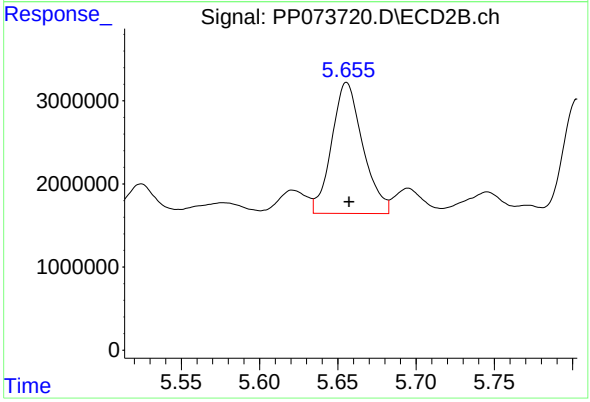
#19 AR-1242-4

R.T.: 5.133 min
Delta R.T.: -0.003 min
Response: 19453705
Conc: 439.50 ng/ml



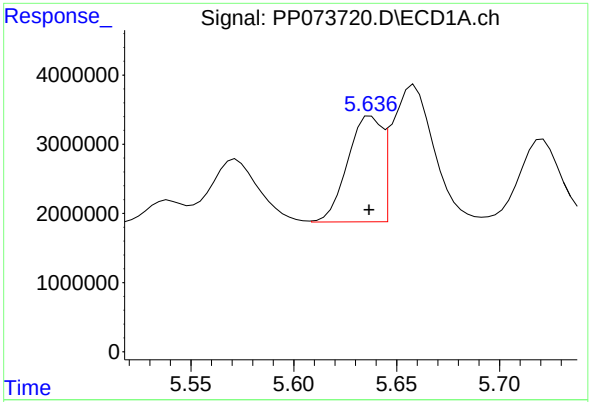
#20 AR-1242-5

R.T.: 6.547 min
Delta R.T.: 0.001 min
Response: 2966489
Conc: 90.62 ng/ml



#20 AR-1242-5

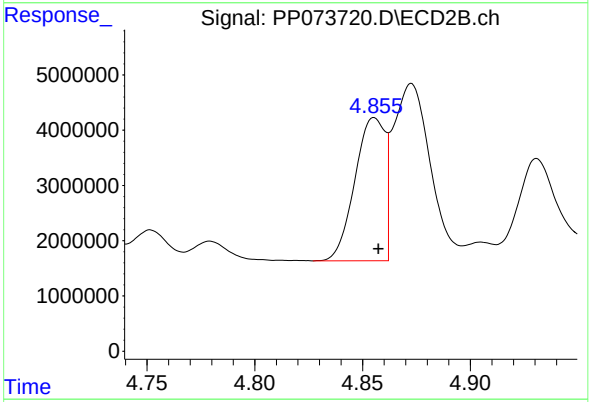
R.T.: 5.656 min
Delta R.T.: -0.002 min
Response: 21840815
Conc: 395.36 ng/ml



#21 AR-1248-1

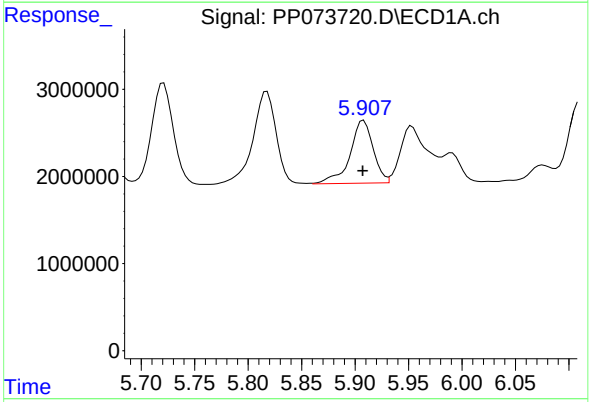
R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 17661073
Conc: 572.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



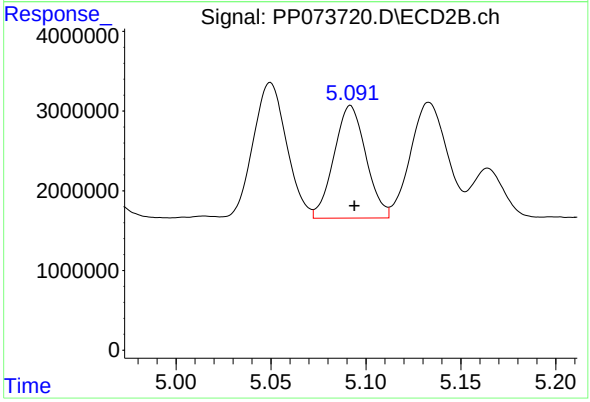
#21 AR-1248-1

R.T.: 4.855 min
Delta R.T.: -0.002 min
Response: 25080131
Conc: 558.64 ng/ml



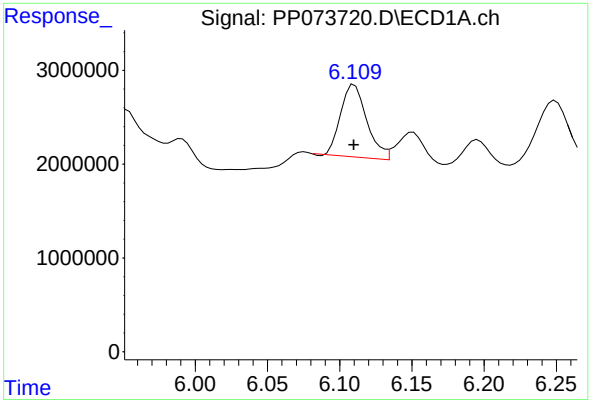
#22 AR-1248-2

R.T.: 5.908 min
Delta R.T.: 0.000 min
Response: 10887408
Conc: 272.71 ng/ml



#22 AR-1248-2

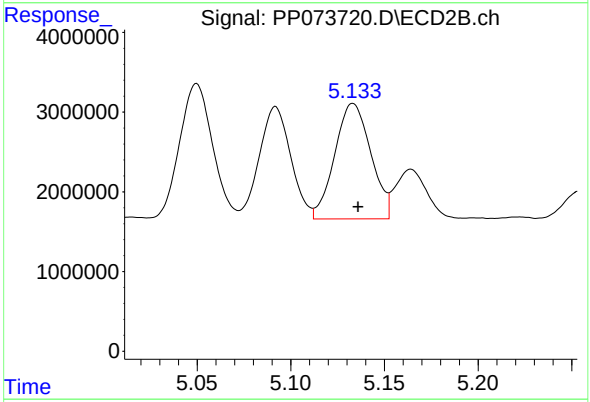
R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 16573374
Conc: 269.33 ng/ml



#23 AR-1248-3

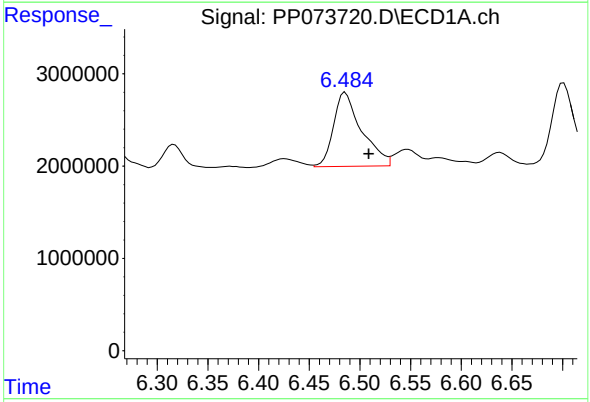
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 9716002
Conc: 218.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



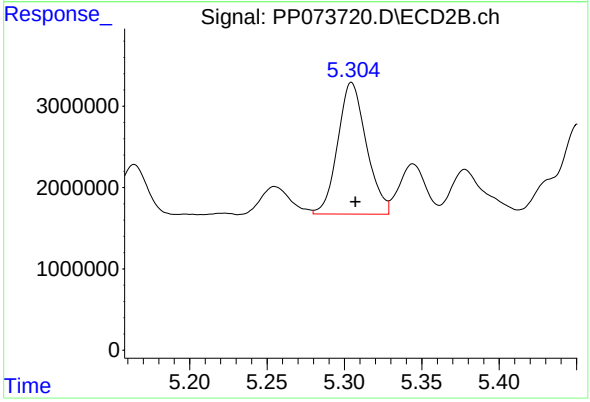
#23 AR-1248-3

R.T.: 5.133 min
Delta R.T.: -0.003 min
Response: 19453705
Conc: 303.66 ng/ml



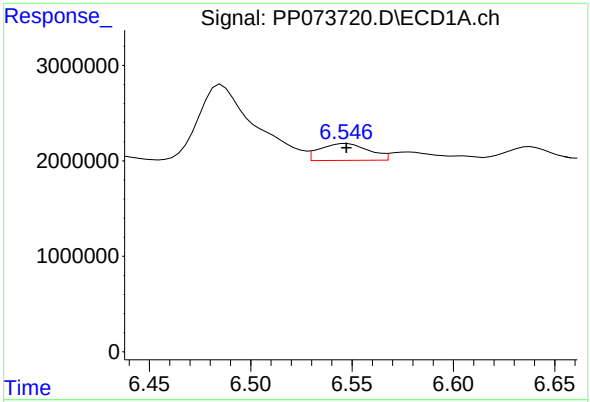
#24 AR-1248-4

R.T.: 6.486 min
Delta R.T.: -0.023 min
Response: 15470630
Conc: 280.87 ng/ml



#24 AR-1248-4

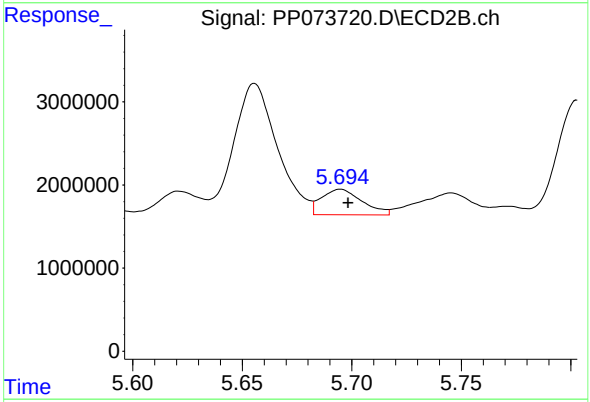
R.T.: 5.305 min
Delta R.T.: -0.003 min
Response: 20840592
Conc: 276.48 ng/ml



#25 AR-1248-5

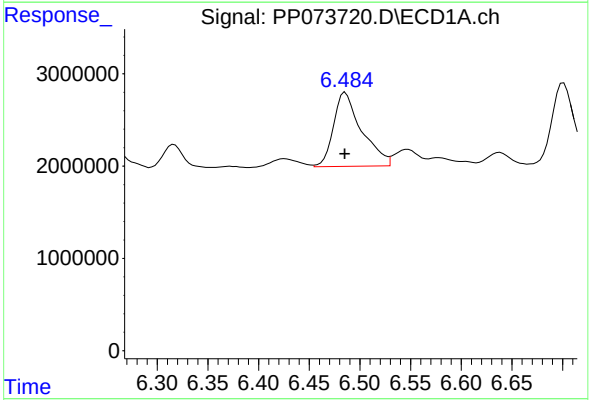
R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 2966489
Conc: 55.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



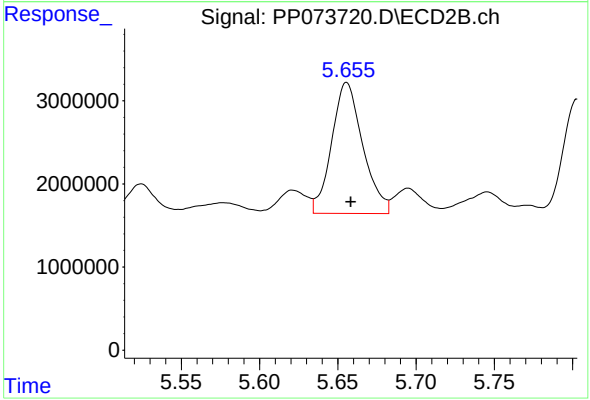
#25 AR-1248-5

R.T.: 5.695 min
Delta R.T.: -0.003 min
Response: 3971551
Conc: 53.24 ng/ml



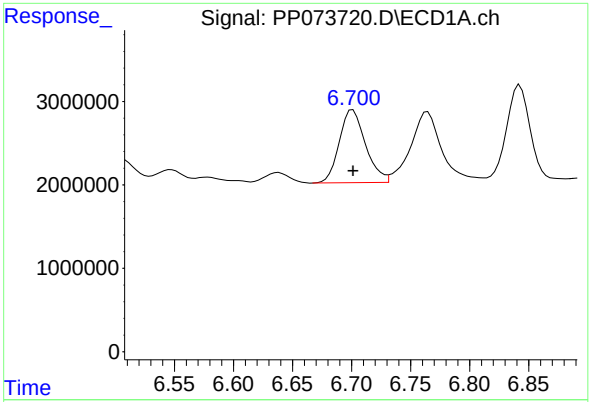
#26 AR-1254-1

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 15470630
Conc: 288.69 ng/ml



#26 AR-1254-1

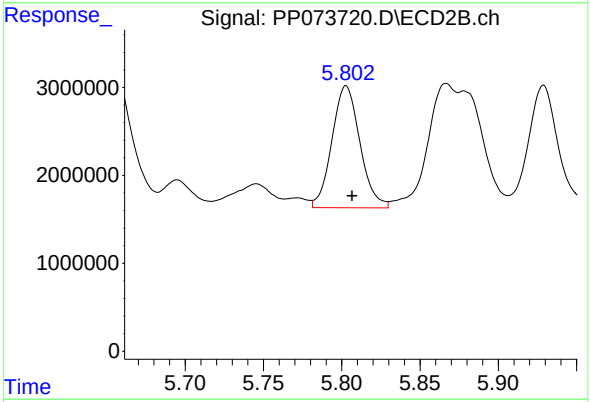
R.T.: 5.656 min
Delta R.T.: -0.003 min
Response: 21840815
Conc: 188.23 ng/ml



#27 AR-1254-2

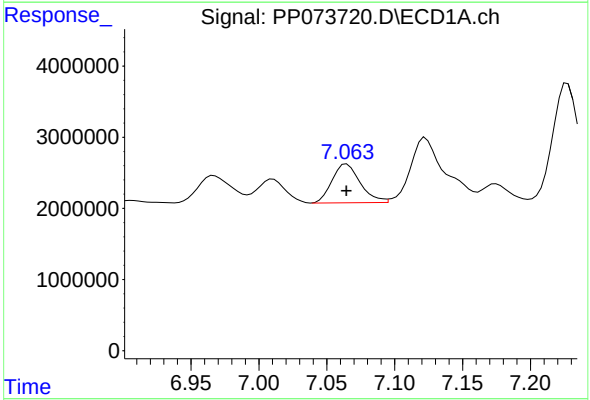
R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 13525173
Conc: 162.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



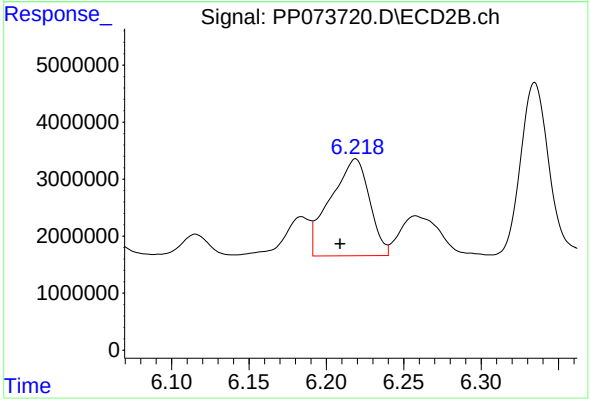
#27 AR-1254-2

R.T.: 5.803 min
Delta R.T.: -0.004 min
Response: 17259107
Conc: 171.52 ng/ml



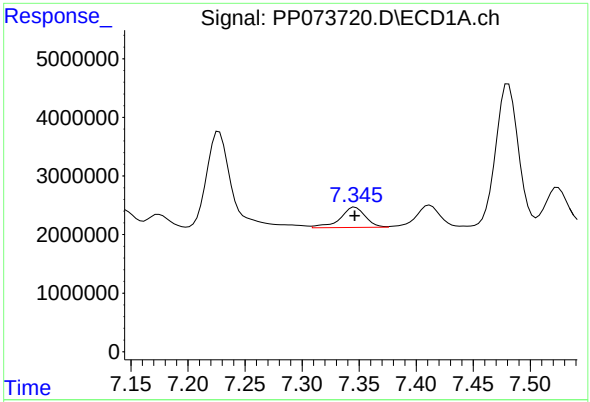
#28 AR-1254-3

R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 7857782
Conc: 88.96 ng/ml



#28 AR-1254-3

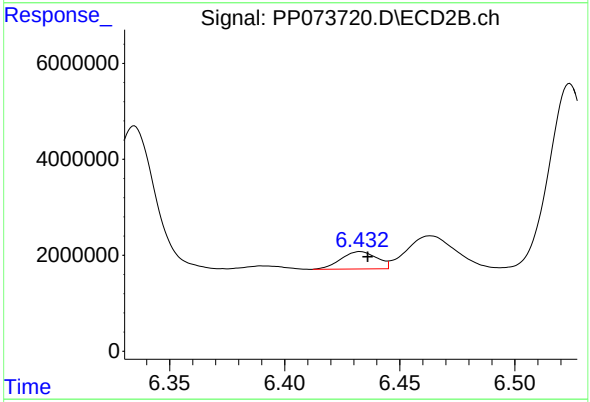
R.T.: 6.219 min
Delta R.T.: 0.010 min
Response: 29904054
Conc: 193.62 ng/ml



#29 AR-1254-4

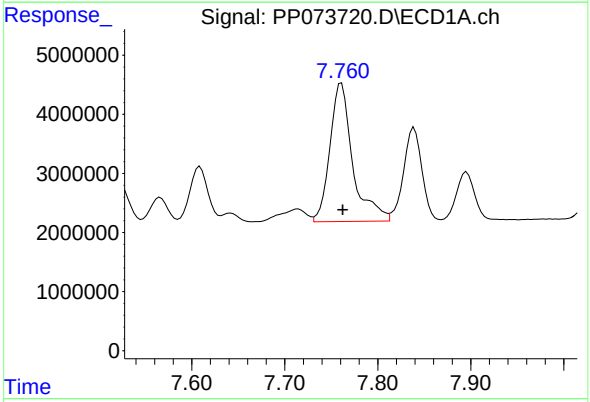
R.T.: 7.346 min
Delta R.T.: 0.000 min
Response: 5291753
Conc: 67.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



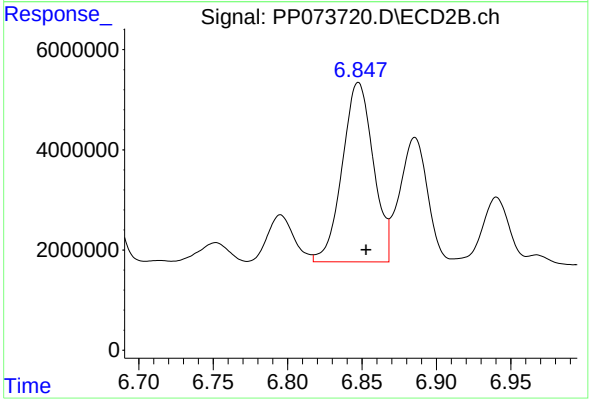
#29 AR-1254-4

R.T.: 6.433 min
Delta R.T.: -0.003 min
Response: 3949366
Conc: 41.77 ng/ml



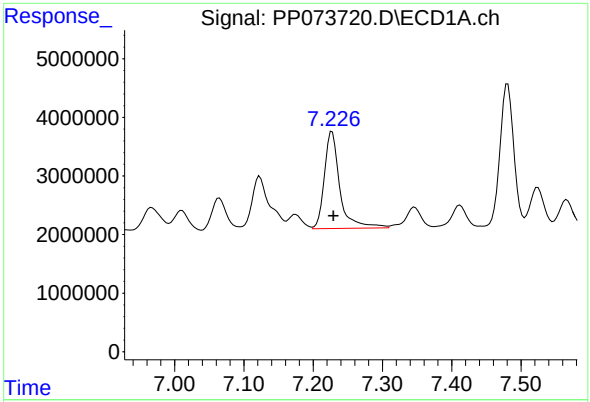
#30 AR-1254-5

R.T.: 7.761 min
Delta R.T.: -0.001 min
Response: 40012921
Conc: 543.06 ng/ml



#30 AR-1254-5

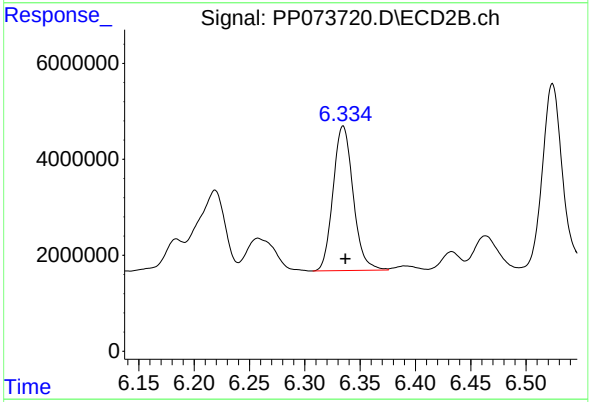
R.T.: 6.848 min
Delta R.T.: -0.005 min
Response: 51974532
Conc: 389.48 ng/ml



#31 AR-1260-1

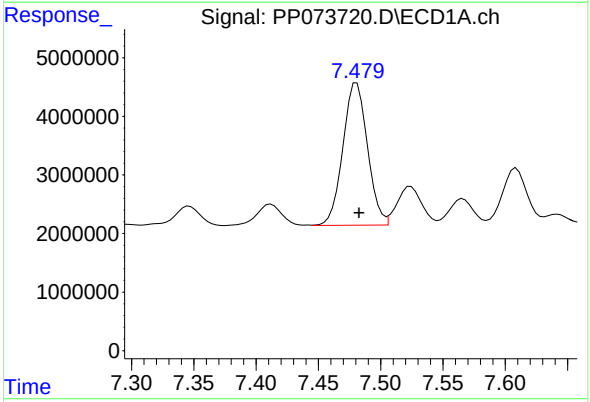
R.T.: 7.227 min
Delta R.T.: -0.002 min
Response: 25690730
Conc: 435.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



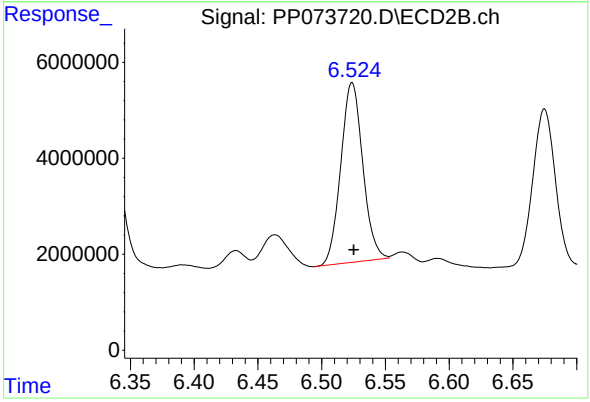
#31 AR-1260-1

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 38074952
Conc: 390.27 ng/ml



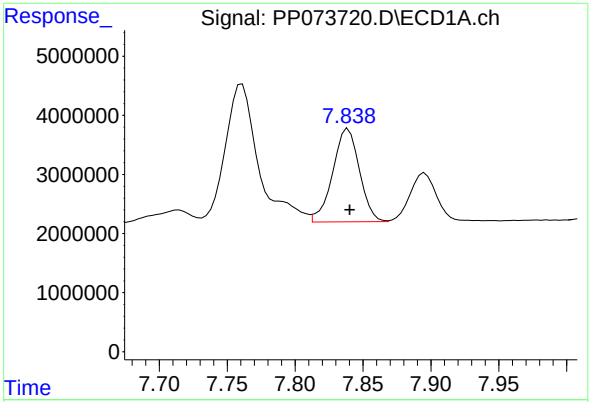
#32 AR-1260-2

R.T.: 7.481 min
Delta R.T.: -0.002 min
Response: 33468668
Conc: 349.21 ng/ml



#32 AR-1260-2

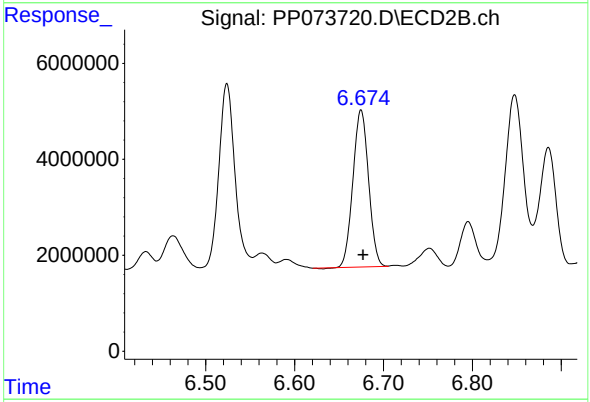
R.T.: 6.524 min
Delta R.T.: -0.001 min
Response: 44938927
Conc: 365.84 ng/ml



#33 AR-1260-3

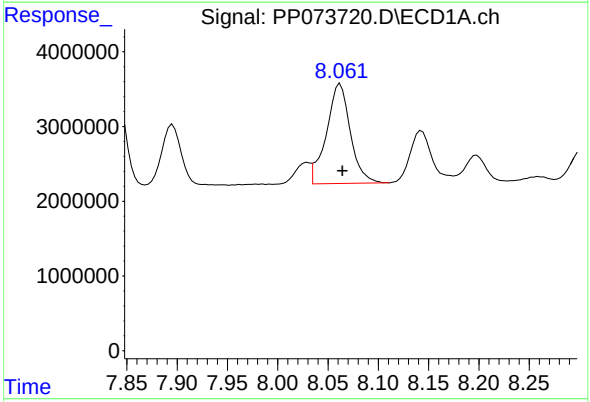
R.T.: 7.839 min
Delta R.T.: -0.001 min
Response: 21683026
Conc: 296.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



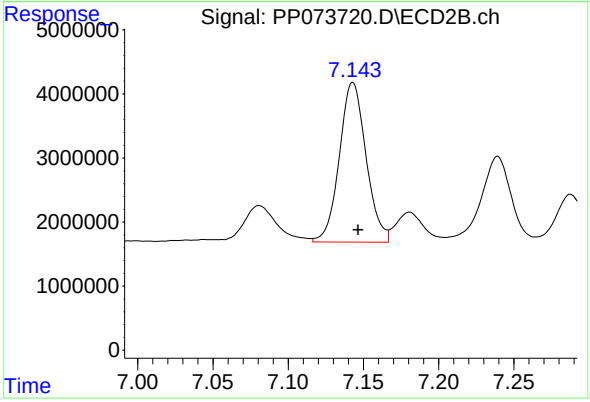
#33 AR-1260-3

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 39996025
Conc: 365.38 ng/ml



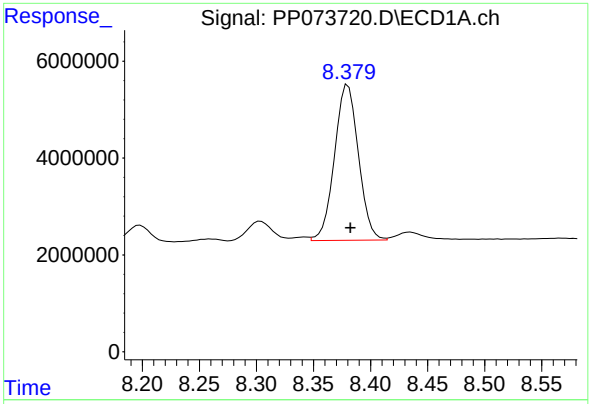
#34 AR-1260-4

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 22102777
Conc: 338.48 ng/ml



#34 AR-1260-4

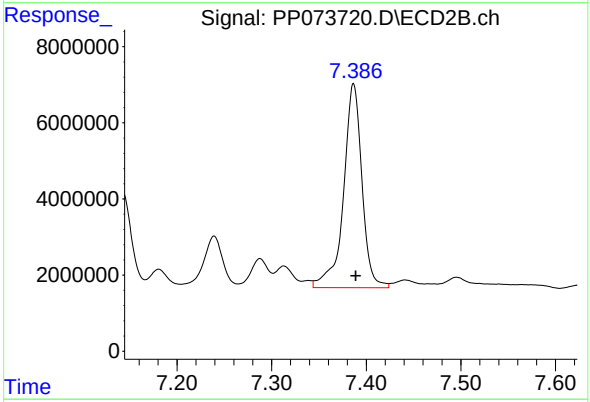
R.T.: 7.143 min
Delta R.T.: -0.003 min
Response: 30801258
Conc: 344.50 ng/ml



#35 AR-1260-5

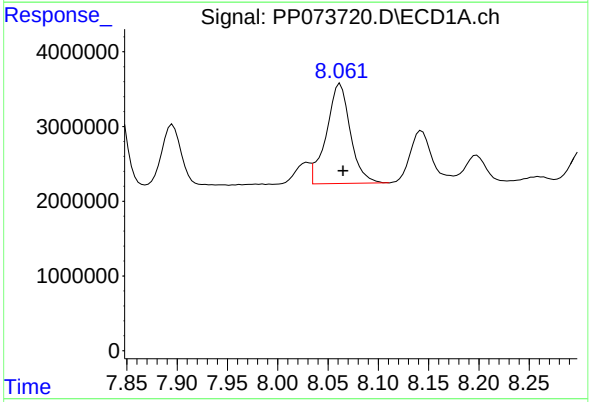
R.T.: 8.380 min
Delta R.T.: -0.002 min
Response: 46910835
Conc: 310.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



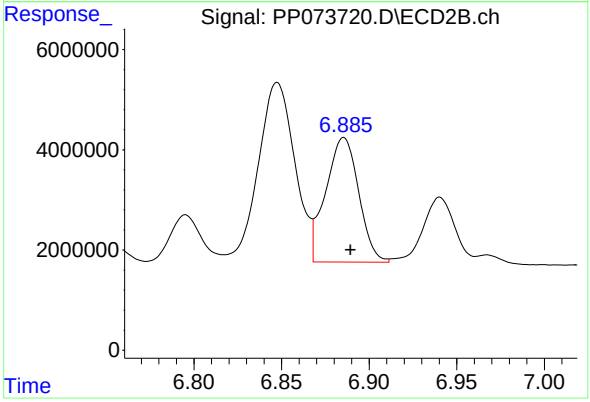
#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: -0.002 min
Response: 72666578
Conc: 323.34 ng/ml



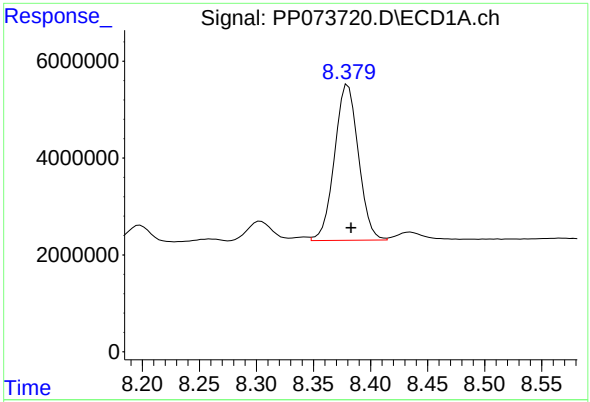
#36 AR-1262-1

R.T.: 8.062 min
Delta R.T.: -0.003 min
Response: 22102777
Conc: 253.98 ng/ml



#36 AR-1262-1

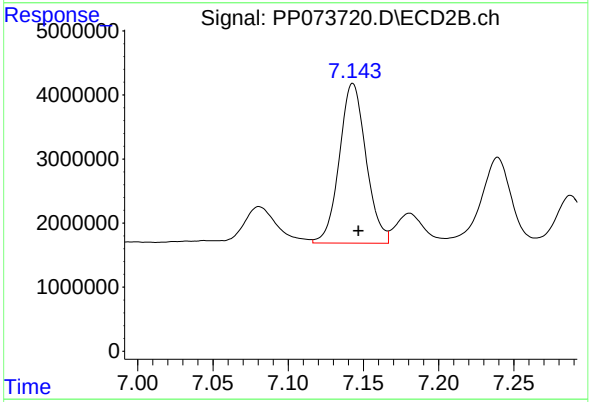
R.T.: 6.886 min
Delta R.T.: -0.004 min
Response: 32607359
Conc: 220.78 ng/ml



#37 AR-1262-2

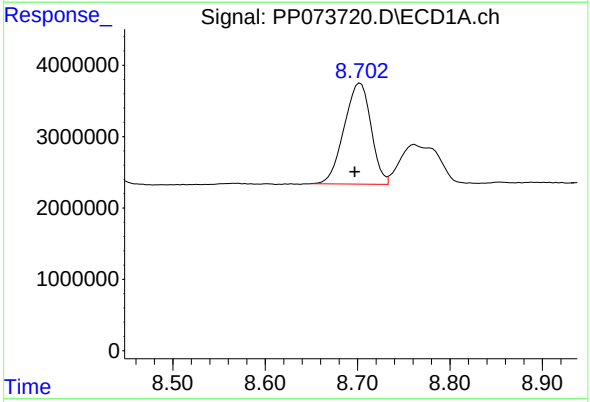
R.T.: 8.380 min
Delta R.T.: -0.003 min
Response: 46910835
Conc: 236.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



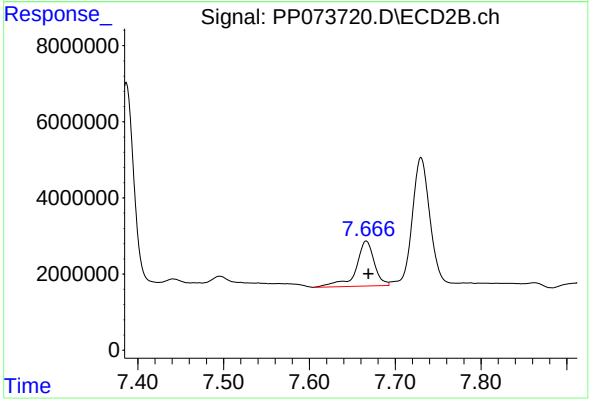
#37 AR-1262-2

R.T.: 7.143 min
Delta R.T.: -0.004 min
Response: 30801258
Conc: 240.96 ng/ml



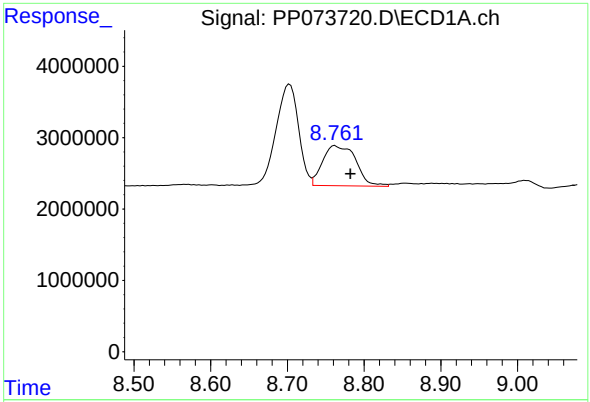
#38 AR-1262-3

R.T.: 8.703 min
Delta R.T.: 0.006 min
Response: 28587848
Conc: 227.38 ng/ml



#38 AR-1262-3

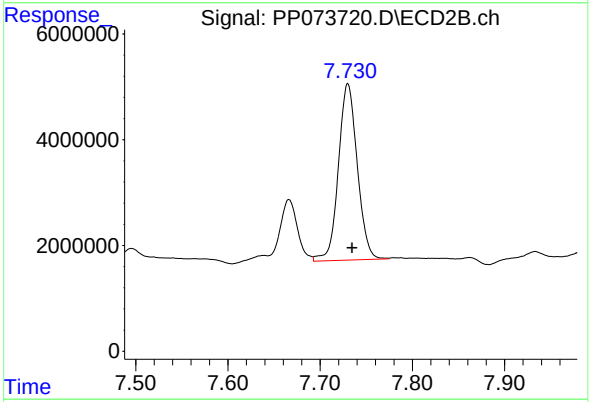
R.T.: 7.666 min
Delta R.T.: -0.003 min
Response: 17503410
Conc: 153.51 ng/ml



#39 AR-1262-4

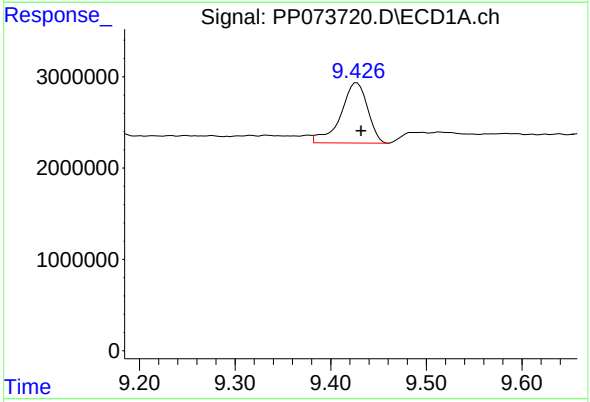
R.T.: 8.762 min
Delta R.T.: -0.020 min
Response: 16925254
Conc: 181.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



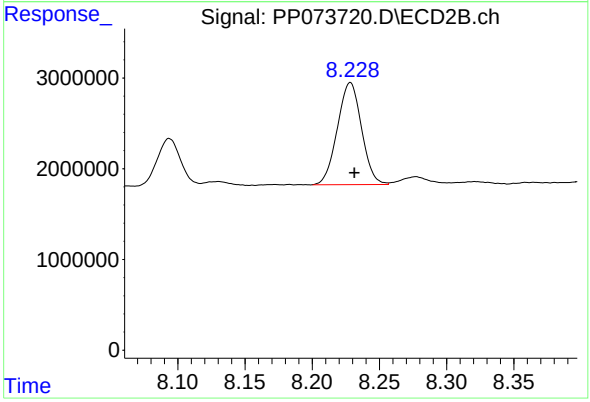
#39 AR-1262-4

R.T.: 7.730 min
Delta R.T.: -0.005 min
Response: 47514722
Conc: 258.16 ng/ml



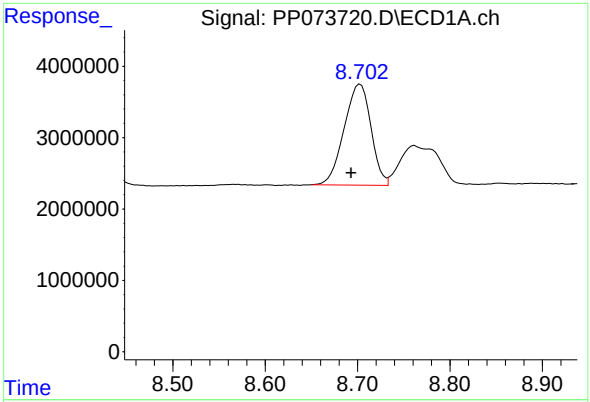
#40 AR-1262-5

R.T.: 9.427 min
Delta R.T.: -0.004 min
Response: 12963766
Conc: 204.51 ng/ml



#40 AR-1262-5

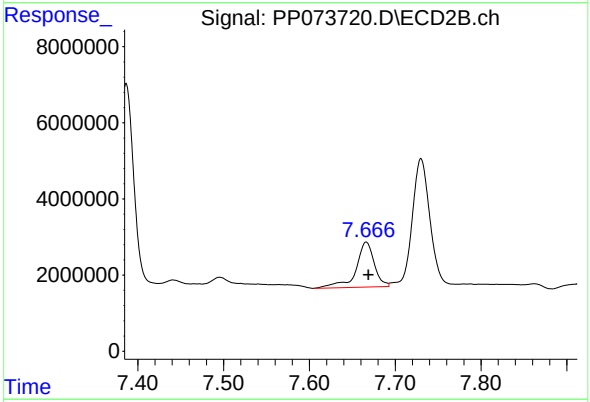
R.T.: 8.228 min
Delta R.T.: -0.003 min
Response: 14051066
Conc: 166.41 ng/ml



#41 AR-1268-1

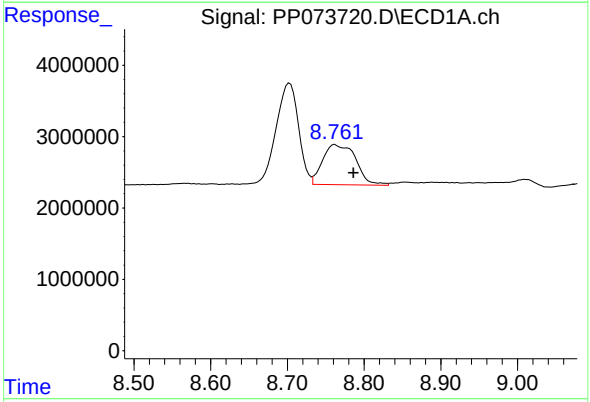
R.T.: 8.703 min
Delta R.T.: 0.010 min
Response: 28587848
Conc: 128.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



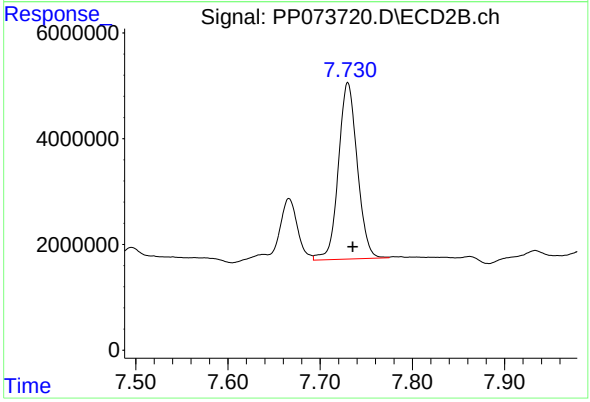
#41 AR-1268-1

R.T.: 7.666 min
Delta R.T.: -0.003 min
Response: 17503410
Conc: 56.94 ng/ml



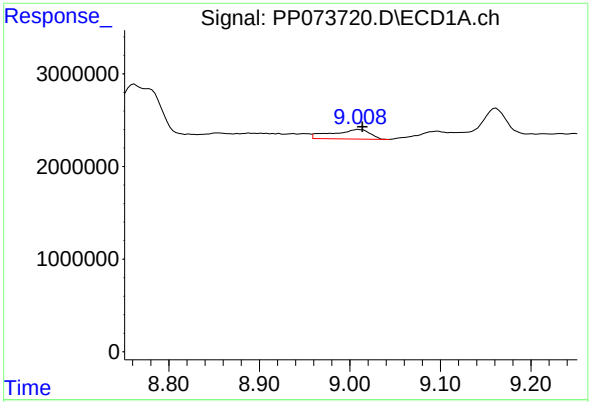
#42 AR-1268-2

R.T.: 8.762 min
Delta R.T.: -0.024 min
Response: 16925254
Conc: 88.84 ng/ml



#42 AR-1268-2

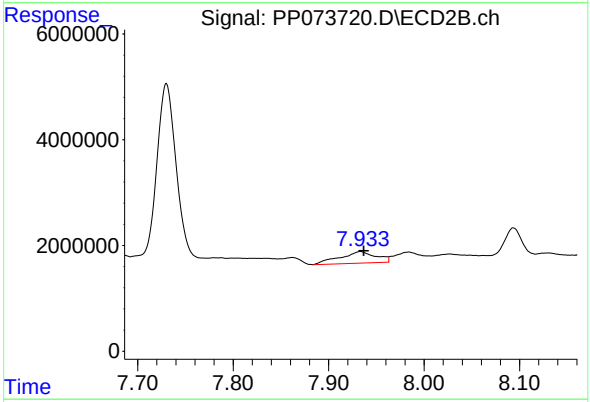
R.T.: 7.730 min
Delta R.T.: -0.005 min
Response: 47514722
Conc: 178.84 ng/ml



#43 AR-1268-3

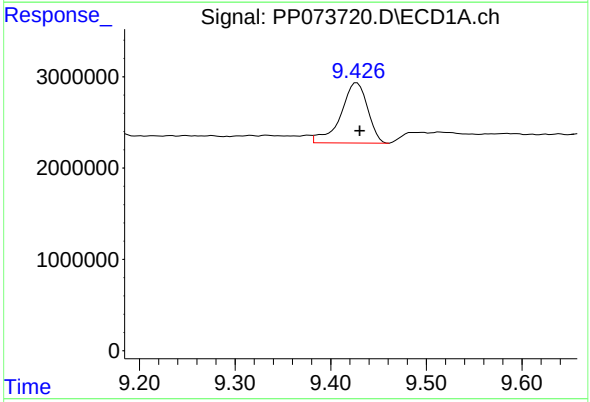
R.T.: 9.010 min
Delta R.T.: -0.004 min
Response: 3001753
Conc: 18.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



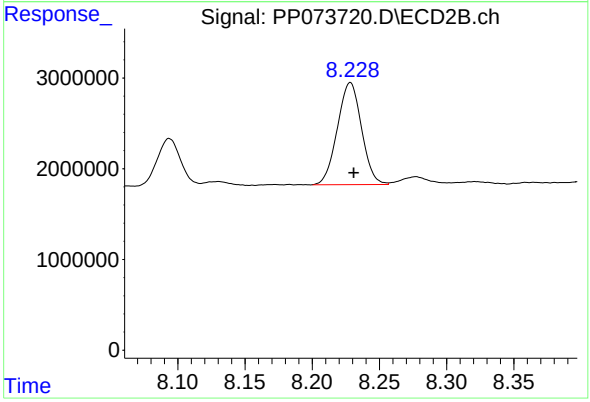
#43 AR-1268-3

R.T.: 7.933 min
Delta R.T.: -0.003 min
Response: 5765077
Conc: 25.56 ng/ml



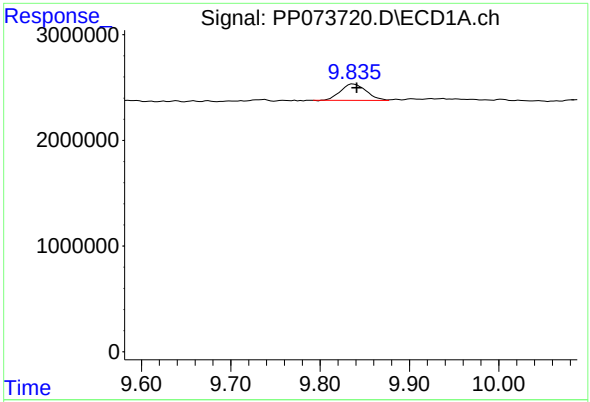
#44 AR-1268-4

R.T.: 9.427 min
Delta R.T.: -0.003 min
Response: 12963766
Conc: 186.41 ng/ml



#44 AR-1268-4

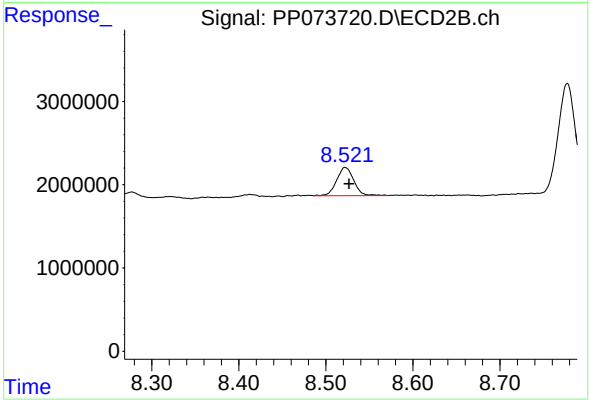
R.T.: 8.228 min
Delta R.T.: -0.003 min
Response: 14051066
Conc: 151.14 ng/ml



#45 AR-1268-5

R.T.: 9.837 min
Delta R.T.: -0.004 min
Response: 3112168
Conc: 6.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MS



#45 AR-1268-5

R.T.: 8.522 min
Delta R.T.: -0.004 min
Response: 4621914
Conc: 7.50 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:38
Operator : YP\AJ
Sample : Q2555-01MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:10:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.490	3.780	24437496	30506744	17.844	16.559	
2)	SA Decachlor...	10.174	8.778	14490996	20083384	13.282	15.178	
	Target Compounds							
3)	L1 AR-1016-1	5.640	4.857	18820042	26886970	396.098	394.383	
4)	L1 AR-1016-2	5.662	4.874	28849905	41917338	405.111	411.421	
5)	L1 AR-1016-3	5.723	5.051	17894428	22551969	409.830	416.808	
6)	L1 AR-1016-4	5.821	5.093	17144451	17861695	476.956	407.050	
7)	L1 AR-1016-5	6.112	5.306	10170044	22507262	324.606	412.353	#
8)	L2 AR-1221-1	4.691	3.986	5046645	3588516	282.465	132.687	#
9)	L2 AR-1221-2	4.776	4.074	2533608	8387801	187.613	411.968	#
10)	L2 AR-1221-3	4.852	4.149	14371631	18364809	345.432	298.864	
11)	L3 AR-1232-1	4.852	4.149	14371631	18364809	440.163	393.973	
12)	L3 AR-1232-2	5.375	4.874	16482315	41917338	1014.004	879.511	
13)	L3 AR-1232-3	5.662	5.051	28849905	22551969	874.413	901.033	
14)	L3 AR-1232-4	5.821	5.135	17144451	21020976	1042.523	970.664	
15)	L3 AR-1232-5	5.911	5.306	11413461	22507262	1079.761	997.510	
16)	L4 AR-1242-1	5.640	4.857	18820042	26886970	492.823	465.456	
17)	L4 AR-1242-2	5.662	4.874	28849905	41917338	481.779	484.850	
18)	L4 AR-1242-3	5.723	5.051	17894428	22551969	488.640	490.829	
19)	L4 AR-1242-4	5.821	5.135	17144451	21020976	533.496	474.908	
20)	L4 AR-1242-5	6.549	5.657	3203407	23684765	97.853	428.742	#
21)	L5 AR-1248-1	5.640	4.857	18820042	26886970	609.644	598.887	
22)	L5 AR-1248-2	5.911	5.093	11413461	17861695	285.884	290.262	
23)	L5 AR-1248-3	6.112	5.135	10170044	21020976	229.005	328.122	#
24)	L5 AR-1248-4	6.487	5.306	16280732	22507262	295.581	298.594	
25)	L5 AR-1248-5	6.549	5.696	3203407	4342887	59.553	58.223	
26)	L6 AR-1254-1	6.487	5.657	16280732	23684765	303.804	204.126	#
27)	L6 AR-1254-2	6.703	5.805	13935058	18665167	167.310	185.495	
28)	L6 AR-1254-3	7.066	6.220	8999379	32015105	101.882	207.289	#
29)	L6 AR-1254-4	7.348	6.433	5686627	4144131	72.287	43.826	#
30)	L6 AR-1254-5	7.762	6.849	42040083	54895036	570.578	411.369	#
31)	L7 AR-1260-1	7.229	6.336	23611710	40103341	400.462	411.062	
32)	L7 AR-1260-2	7.482	6.524	35449905	47019348	369.887	382.777	
33)	L7 AR-1260-3	7.841	6.676	22770832	42210035	311.628	385.607	
34)	L7 AR-1260-4	8.064	7.145	23296444	31804953	356.761	355.727	
35)	L7 AR-1260-5	8.381	7.387	48716836	77961466	322.943	346.901	
36)	L8 AR-1262-1	8.064	6.886	23296444	34402689	267.691	232.936	
37)	L8 AR-1262-2	8.381	7.145	48716836	31804953	246.010	248.808	
38)	L8 AR-1262-3	8.703	7.667	29858927	16802376	237.494	147.365	#
39)	L8 AR-1262-4	8.762	7.731	17667671	50680794	189.440	275.366	#
40)	L8 AR-1262-5	9.428	8.229	13395869	15443973	211.327	182.908	
41)	L9 AR-1268-1	8.703	7.667	29858927	16802376	133.762	54.664	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:38
Operator : YP\AJ
Sample : Q2555-01MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:10:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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	8.762	7.731	17667671	50680794	92.741	190.753 #
43) L9	AR-1268-3	9.010	7.933	2219592	5697645	13.405	25.258 #
44) L9	AR-1268-4	9.428	8.229	13395869	15443973	192.625	166.122
45) L9	AR-1268-5	9.839	8.524	3834800	5251408	8.319	8.517

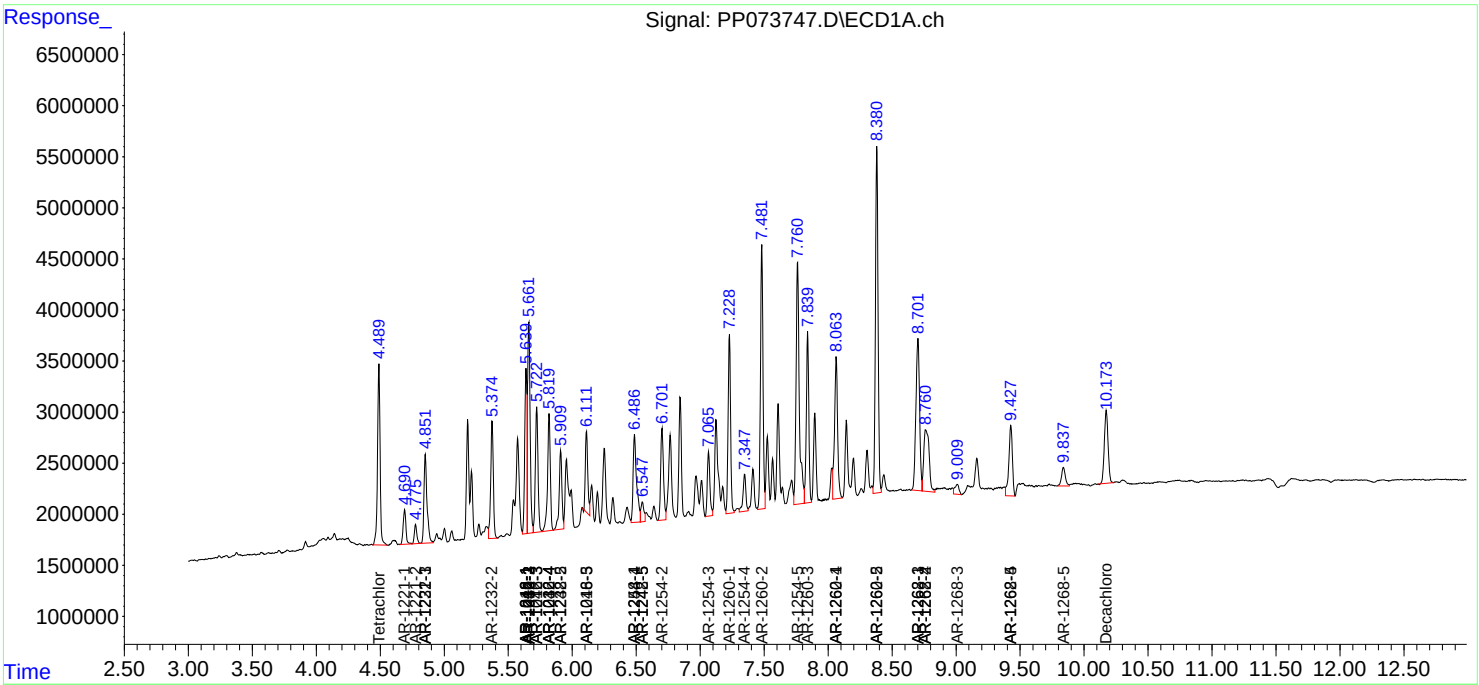
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

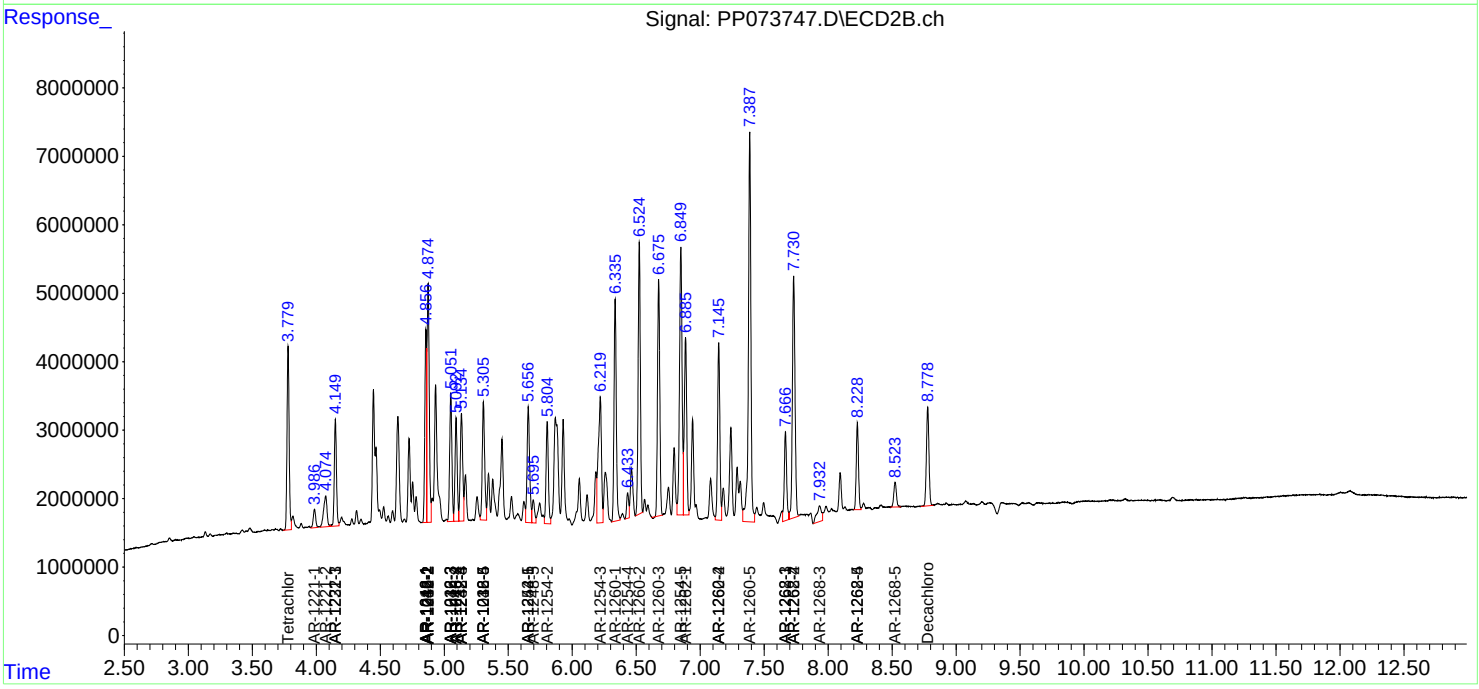
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 00:38
Operator : YP\AJ
Sample : Q2555-01MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

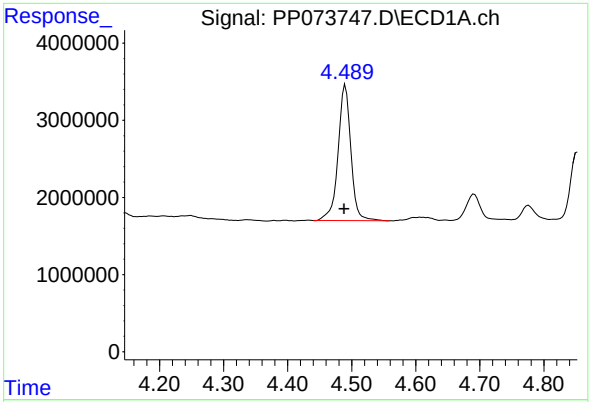
Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 01:10:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



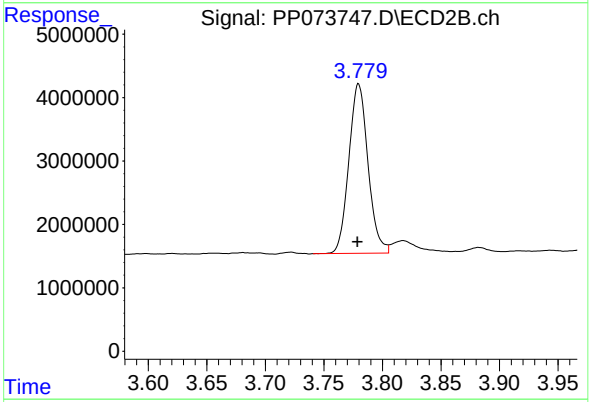




#1 Tetrachloro-m-xylene

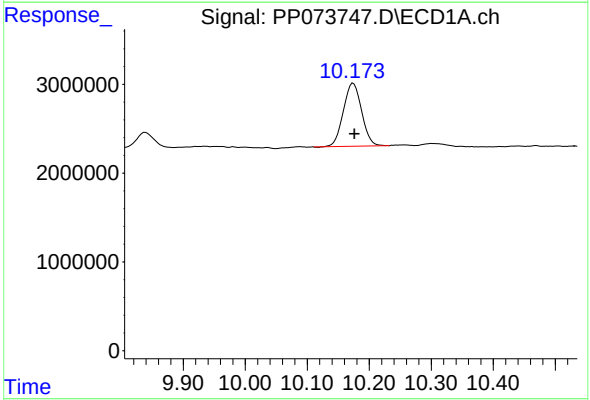
R.T.: 4.490 min
Delta R.T.: 0.002 min
Response: 24437496
Conc: 17.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



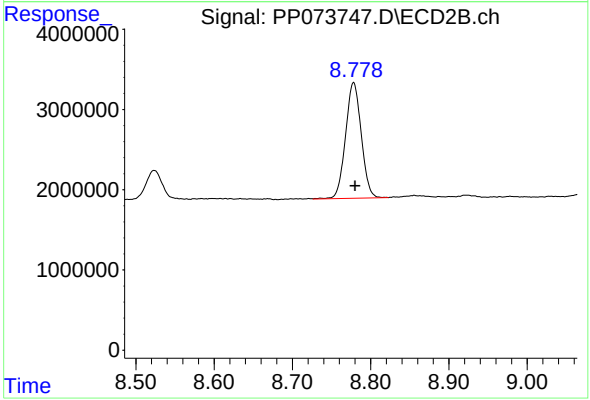
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.001 min
Response: 30506744
Conc: 16.56 ng/ml



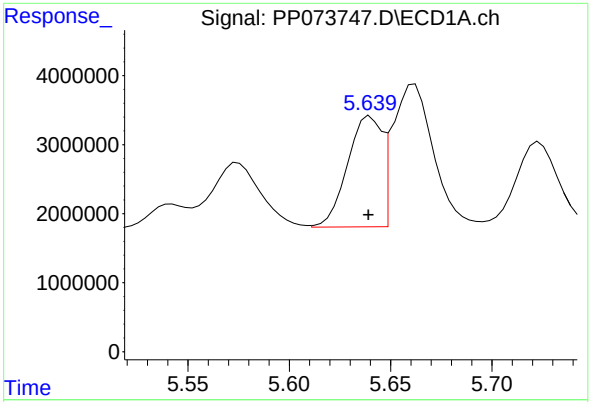
#2 Decachlorobiphenyl

R.T.: 10.174 min
Delta R.T.: -0.002 min
Response: 14490996
Conc: 13.28 ng/ml



#2 Decachlorobiphenyl

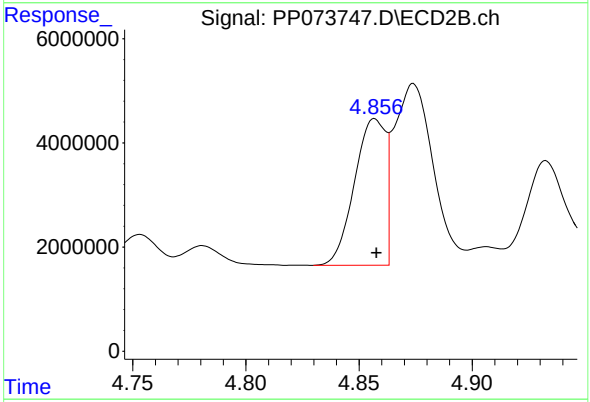
R.T.: 8.778 min
Delta R.T.: -0.002 min
Response: 20083384
Conc: 15.18 ng/ml



#3 AR-1016-1

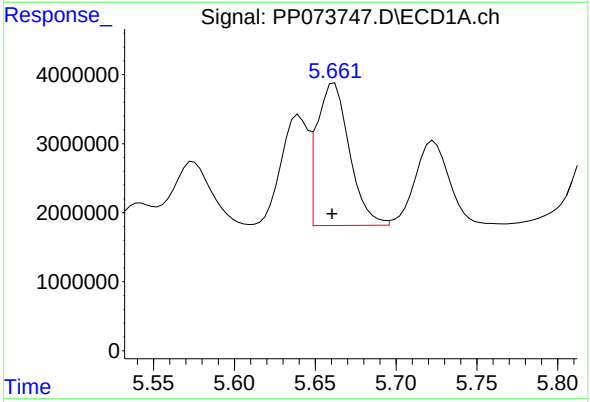
R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 18820042
Conc: 396.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



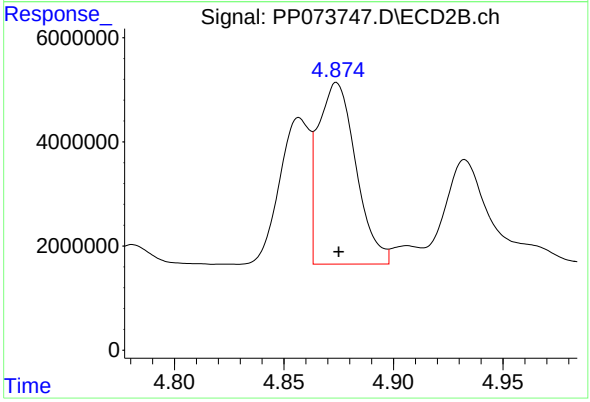
#3 AR-1016-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 26886970
Conc: 394.38 ng/ml



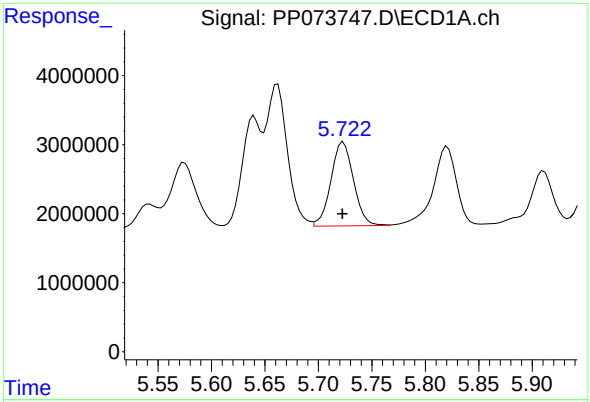
#4 AR-1016-2

R.T.: 5.662 min
Delta R.T.: 0.001 min
Response: 28849905
Conc: 405.11 ng/ml



#4 AR-1016-2

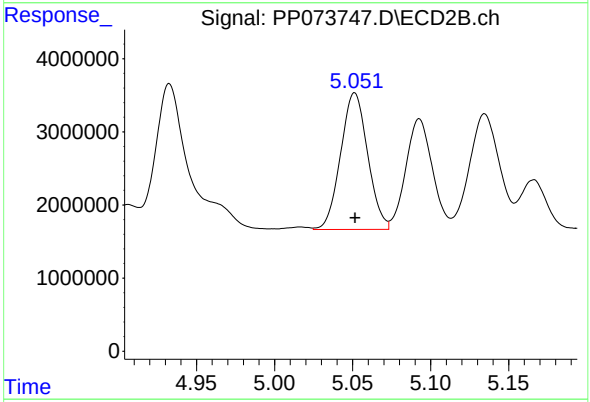
R.T.: 4.874 min
Delta R.T.: 0.000 min
Response: 41917338
Conc: 411.42 ng/ml



#5 AR-1016-3

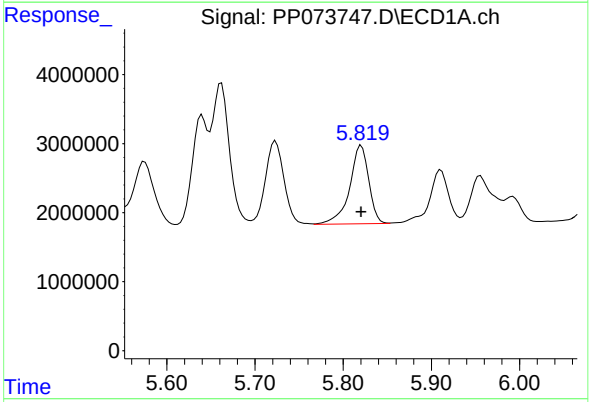
R.T.: 5.723 min
Delta R.T.: 0.000 min
Response: 17894428
Conc: 409.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



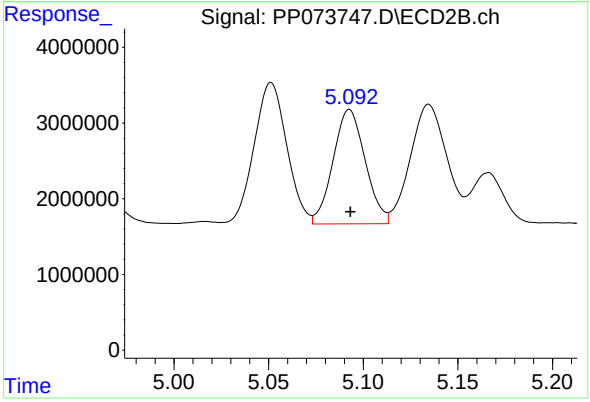
#5 AR-1016-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 22551969
Conc: 416.81 ng/ml



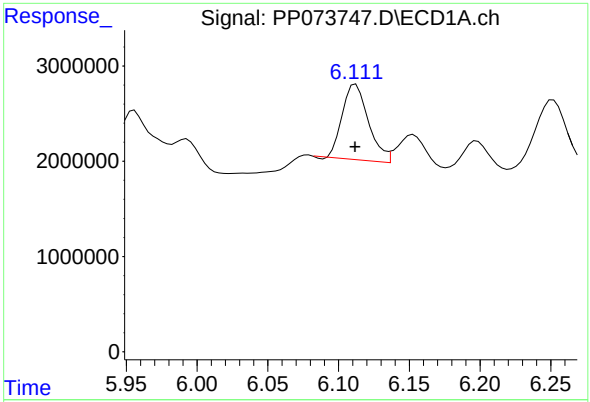
#6 AR-1016-4

R.T.: 5.821 min
Delta R.T.: 0.000 min
Response: 17144451
Conc: 476.96 ng/ml



#6 AR-1016-4

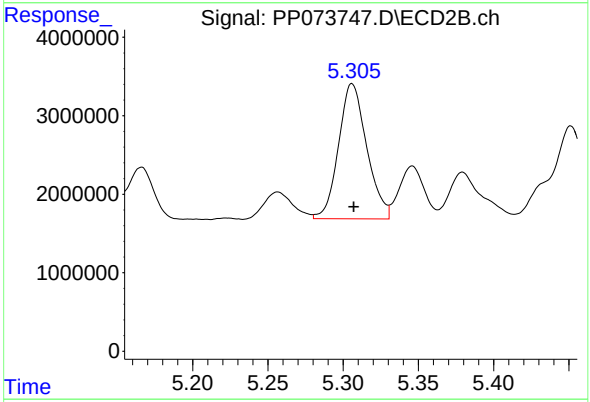
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 17861695
Conc: 407.05 ng/ml



#7 AR-1016-5

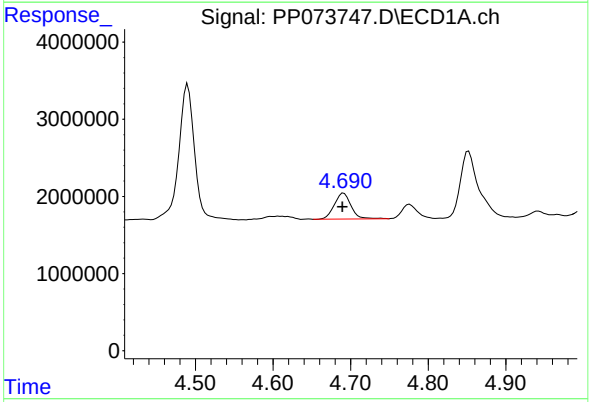
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 10170044
Conc: 324.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



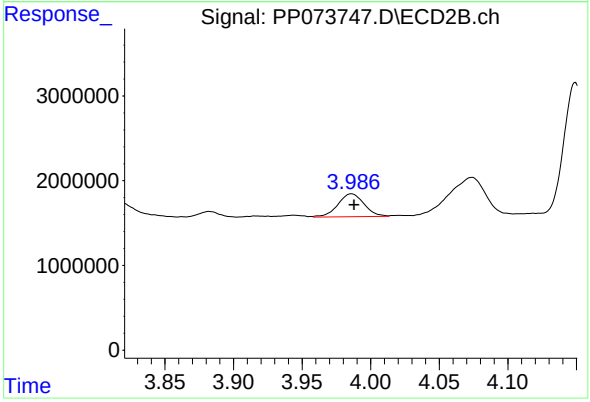
#7 AR-1016-5

R.T.: 5.306 min
Delta R.T.: -0.001 min
Response: 22507262
Conc: 412.35 ng/ml



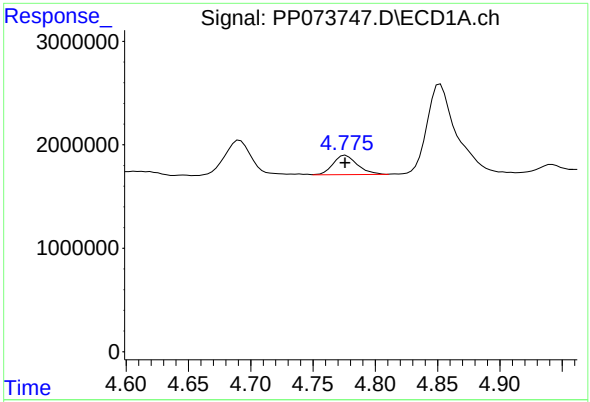
#8 AR-1221-1

R.T.: 4.691 min
Delta R.T.: 0.002 min
Response: 5046645
Conc: 282.47 ng/ml



#8 AR-1221-1

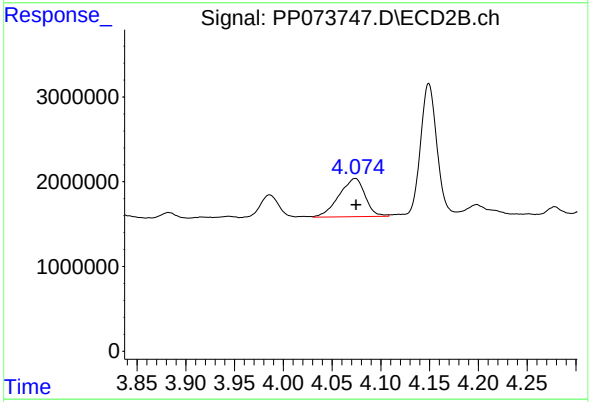
R.T.: 3.986 min
Delta R.T.: -0.002 min
Response: 3588516
Conc: 132.69 ng/ml



#9 AR-1221-2

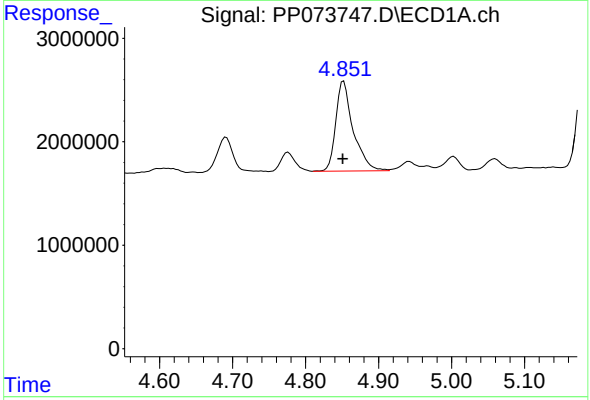
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 2533608
Conc: 187.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



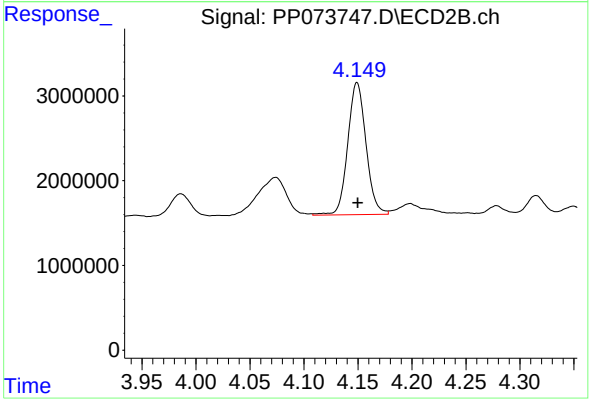
#9 AR-1221-2

R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 8387801
Conc: 411.97 ng/ml



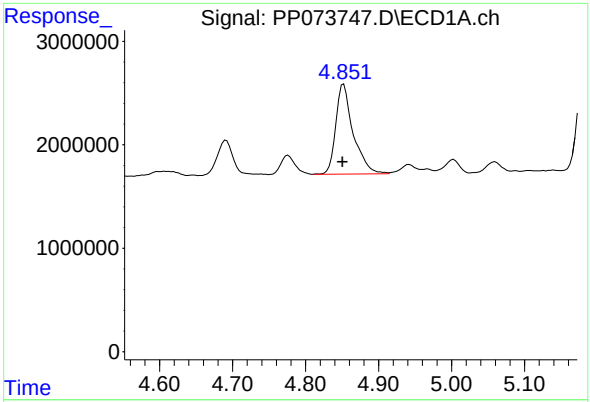
#10 AR-1221-3

R.T.: 4.852 min
Delta R.T.: 0.001 min
Response: 14371631
Conc: 345.43 ng/ml



#10 AR-1221-3

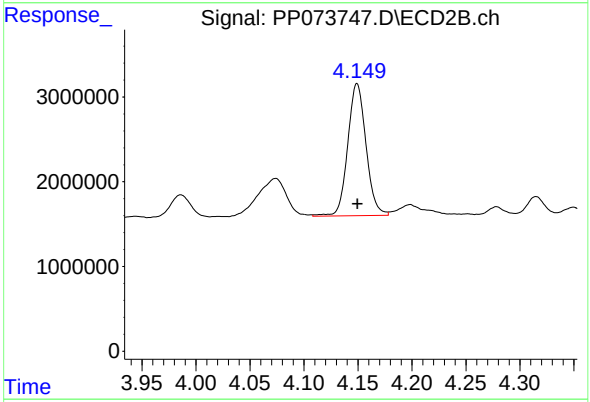
R.T.: 4.149 min
Delta R.T.: 0.000 min
Response: 18364809
Conc: 298.86 ng/ml



#11 AR-1232-1

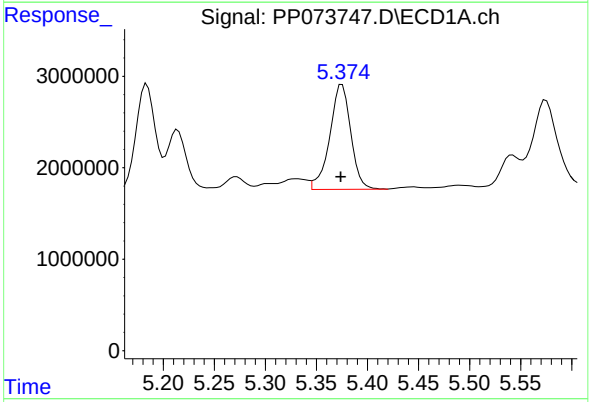
R.T.: 4.852 min
Delta R.T.: 0.002 min
Response: 14371631
Conc: 440.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



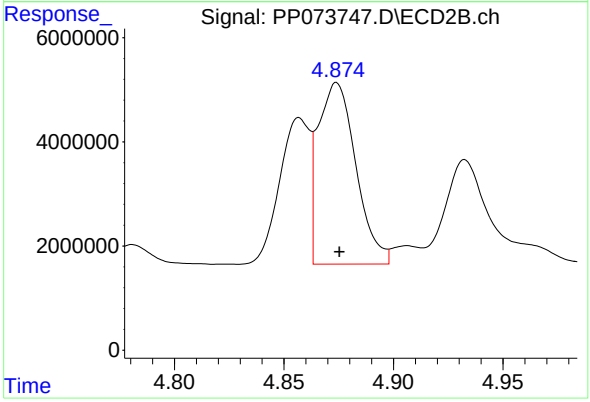
#11 AR-1232-1

R.T.: 4.149 min
Delta R.T.: 0.000 min
Response: 18364809
Conc: 393.97 ng/ml



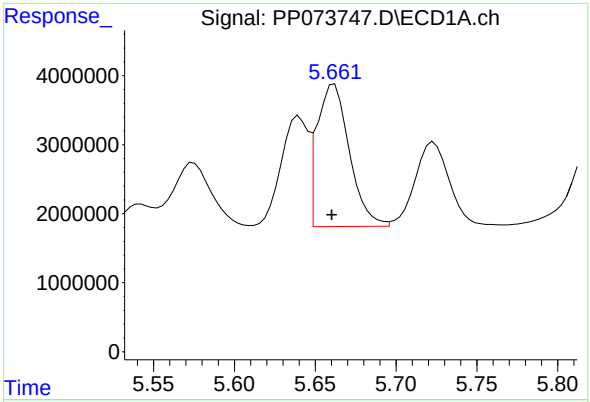
#12 AR-1232-2

R.T.: 5.375 min
Delta R.T.: 0.001 min
Response: 16482315
Conc: 1014.00 ng/ml



#12 AR-1232-2

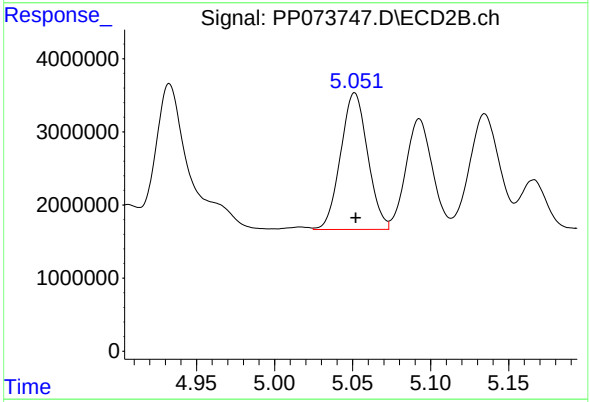
R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 41917338
Conc: 879.51 ng/ml



#13 AR-1232-3

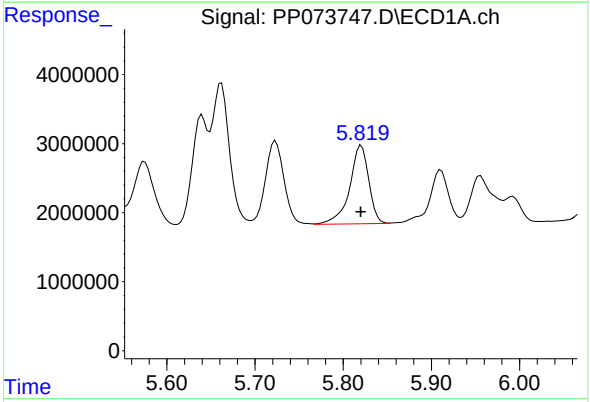
R.T.: 5.662 min
Delta R.T.: 0.002 min
Response: 28849905
Conc: 874.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



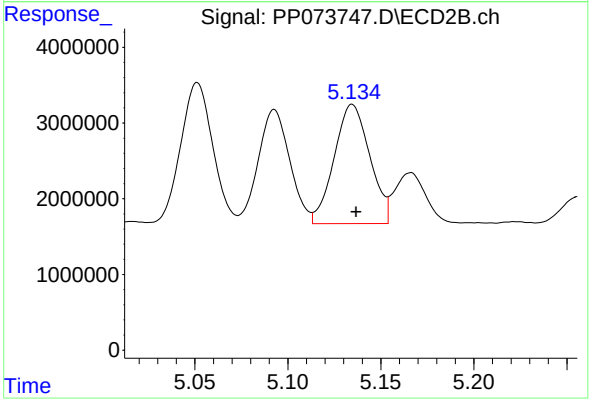
#13 AR-1232-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 22551969
Conc: 901.03 ng/ml



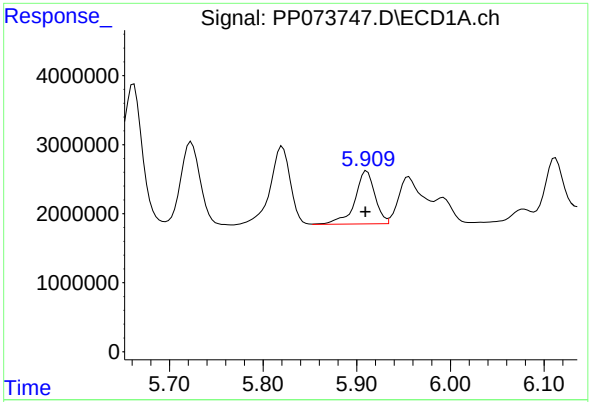
#14 AR-1232-4

R.T.: 5.821 min
Delta R.T.: 0.000 min
Response: 17144451
Conc: 1042.52 ng/ml



#14 AR-1232-4

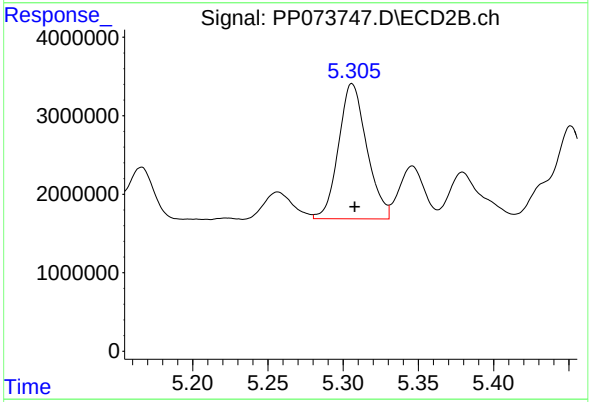
R.T.: 5.135 min
Delta R.T.: -0.002 min
Response: 21020976
Conc: 970.66 ng/ml



#15 AR-1232-5

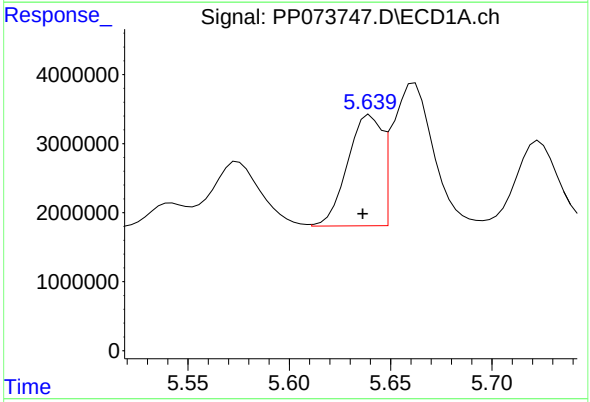
R.T.: 5.911 min
Delta R.T.: 0.002 min
Response: 11413461
Conc: 1079.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



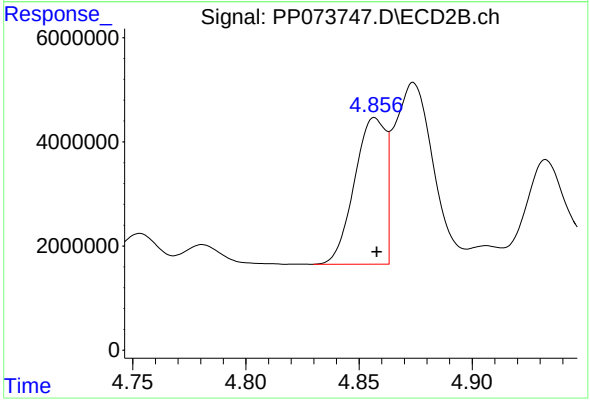
#15 AR-1232-5

R.T.: 5.306 min
Delta R.T.: -0.002 min
Response: 22507262
Conc: 997.51 ng/ml



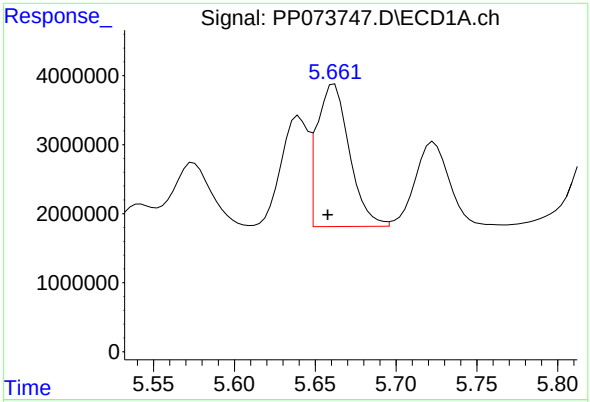
#16 AR-1242-1

R.T.: 5.640 min
Delta R.T.: 0.004 min
Response: 18820042
Conc: 492.82 ng/ml



#16 AR-1242-1

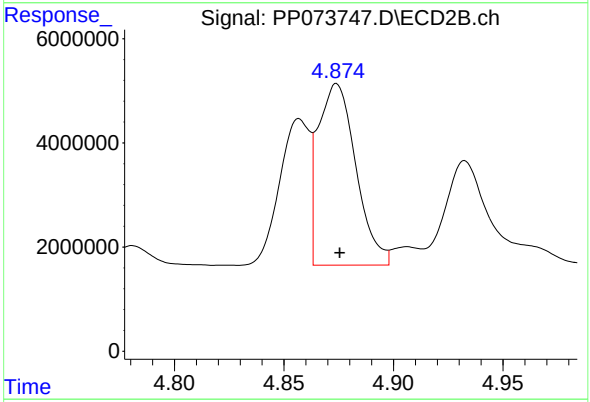
R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 26886970
Conc: 465.46 ng/ml



#17 AR-1242-2

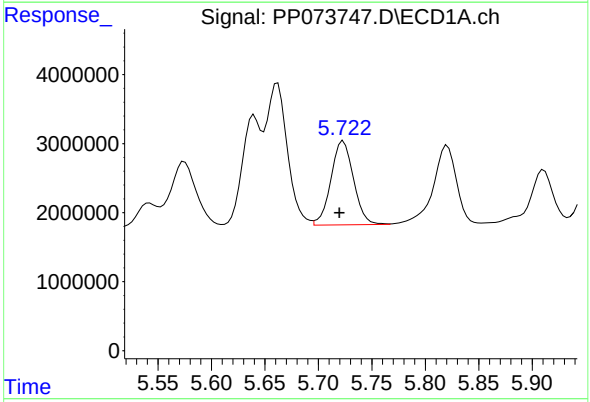
R.T.: 5.662 min
Delta R.T.: 0.004 min
Response: 28849905
Conc: 481.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



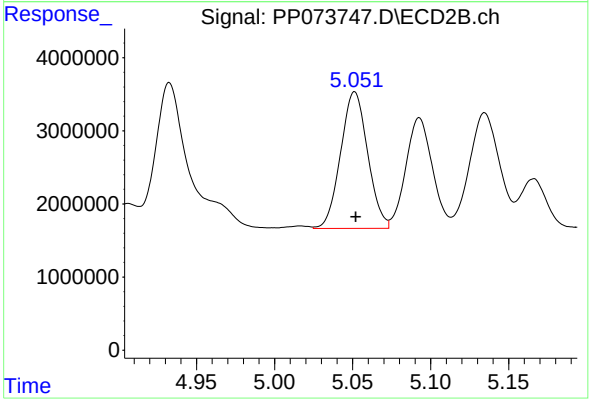
#17 AR-1242-2

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 41917338
Conc: 484.85 ng/ml



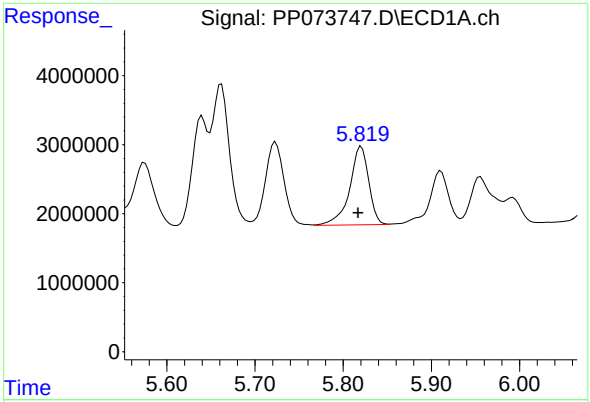
#18 AR-1242-3

R.T.: 5.723 min
Delta R.T.: 0.004 min
Response: 17894428
Conc: 488.64 ng/ml



#18 AR-1242-3

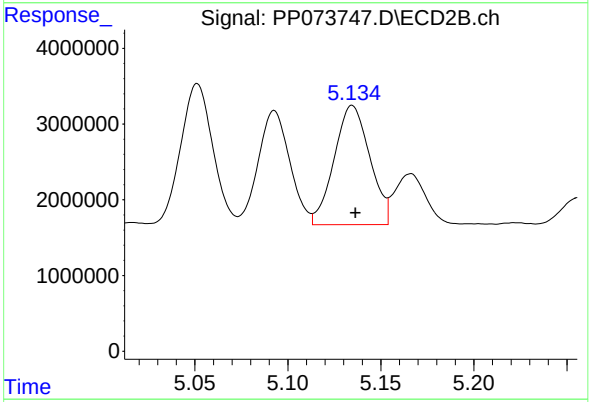
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 22551969
Conc: 490.83 ng/ml



#19 AR-1242-4

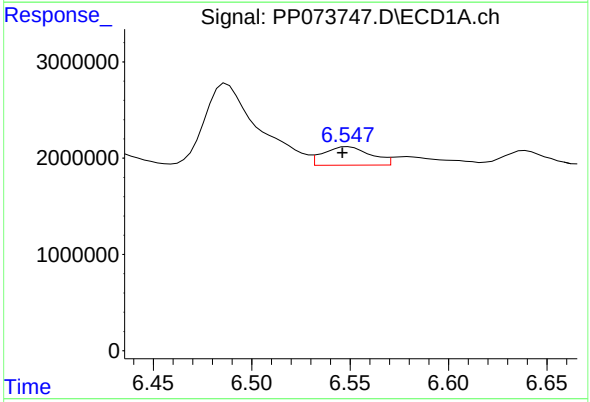
R.T.: 5.821 min
Delta R.T.: 0.004 min
Response: 17144451
Conc: 533.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



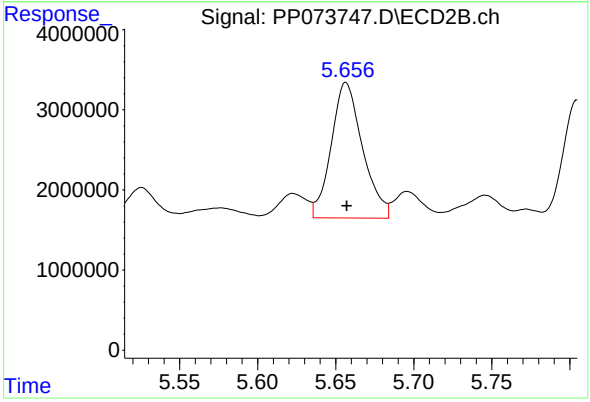
#19 AR-1242-4

R.T.: 5.135 min
Delta R.T.: -0.002 min
Response: 21020976
Conc: 474.91 ng/ml



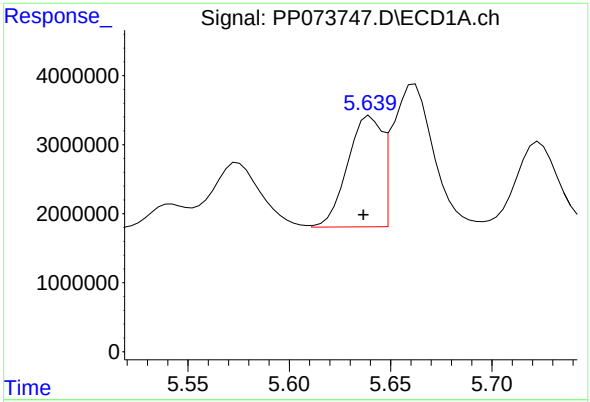
#20 AR-1242-5

R.T.: 6.549 min
Delta R.T.: 0.003 min
Response: 3203407
Conc: 97.85 ng/ml



#20 AR-1242-5

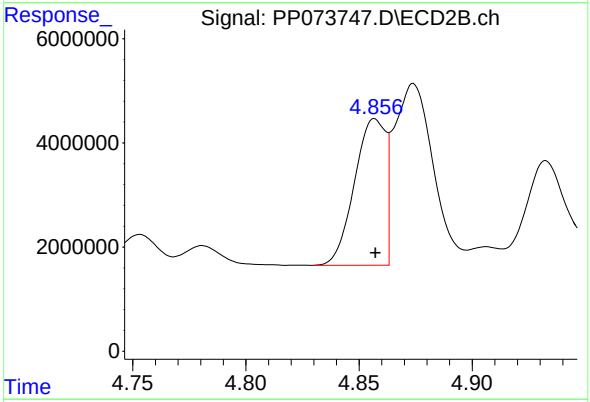
R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 23684765
Conc: 428.74 ng/ml



#21 AR-1248-1

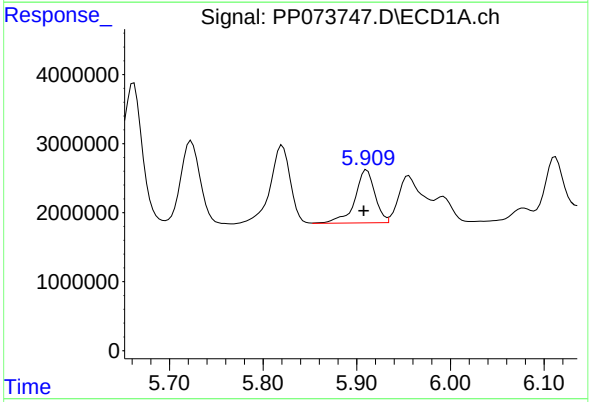
R.T.: 5.640 min
Delta R.T.: 0.003 min
Response: 18820042
Conc: 609.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



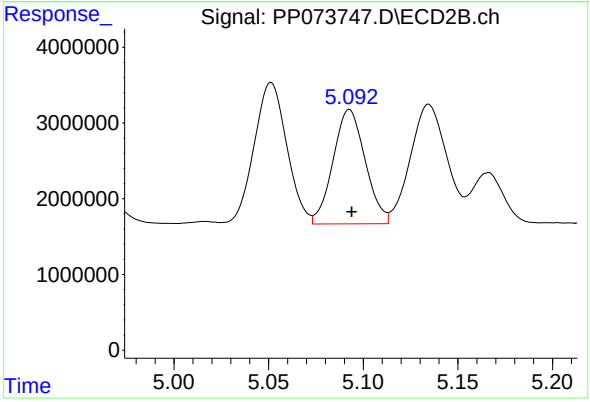
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 26886970
Conc: 598.89 ng/ml



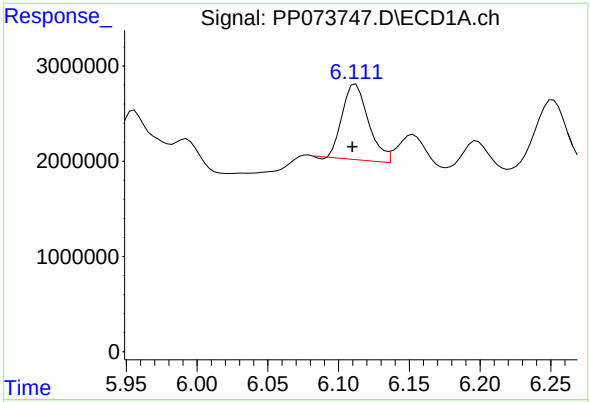
#22 AR-1248-2

R.T.: 5.911 min
Delta R.T.: 0.003 min
Response: 11413461
Conc: 285.88 ng/ml



#22 AR-1248-2

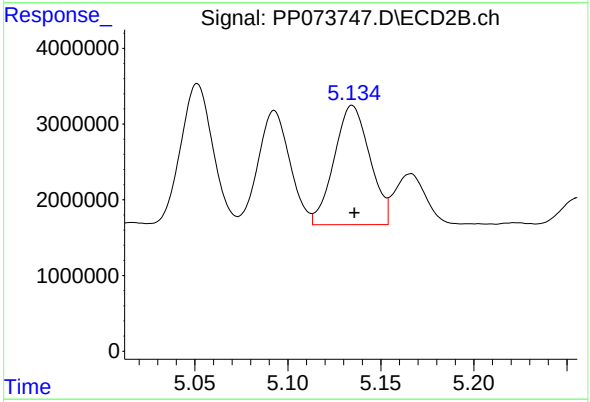
R.T.: 5.093 min
Delta R.T.: -0.001 min
Response: 17861695
Conc: 290.26 ng/ml



#23 AR-1248-3

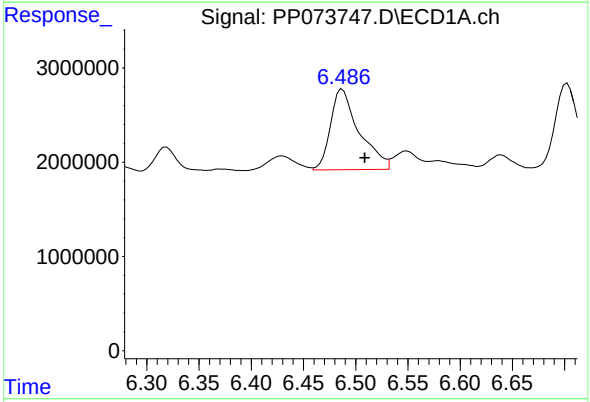
R.T.: 6.112 min
Delta R.T.: 0.003 min
Response: 10170044
Conc: 229.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



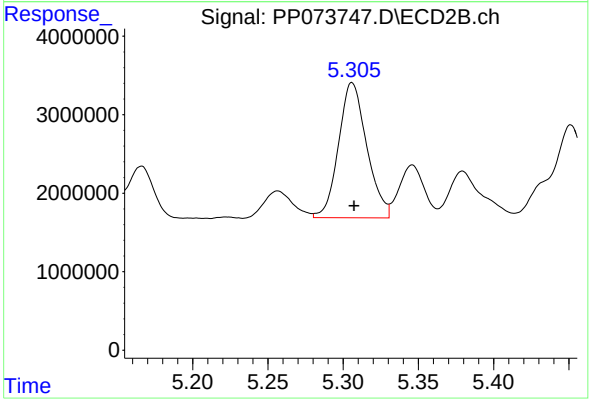
#23 AR-1248-3

R.T.: 5.135 min
Delta R.T.: -0.001 min
Response: 21020976
Conc: 328.12 ng/ml



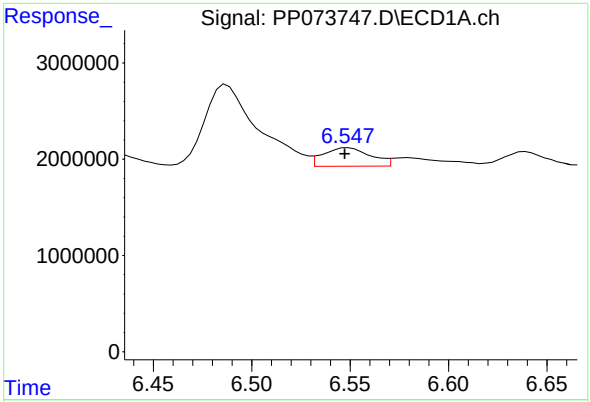
#24 AR-1248-4

R.T.: 6.487 min
Delta R.T.: -0.021 min
Response: 16280732
Conc: 295.58 ng/ml



#24 AR-1248-4

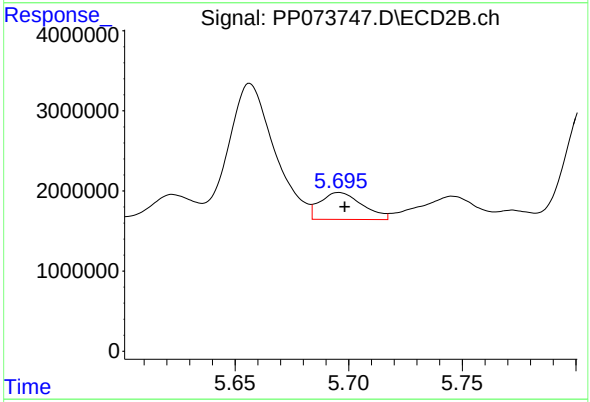
R.T.: 5.306 min
Delta R.T.: -0.001 min
Response: 22507262
Conc: 298.59 ng/ml



#25 AR-1248-5

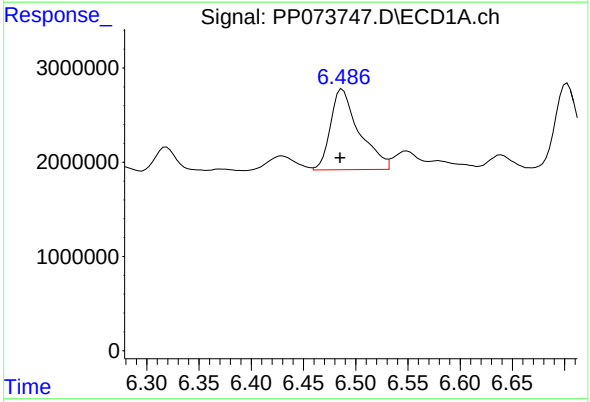
R.T.: 6.549 min
Delta R.T.: 0.002 min
Response: 3203407
Conc: 59.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



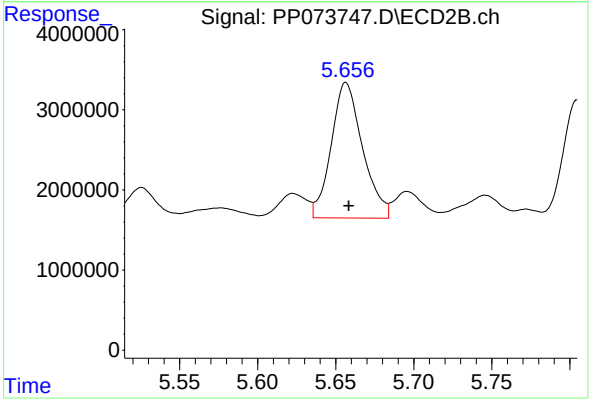
#25 AR-1248-5

R.T.: 5.696 min
Delta R.T.: -0.002 min
Response: 4342887
Conc: 58.22 ng/ml



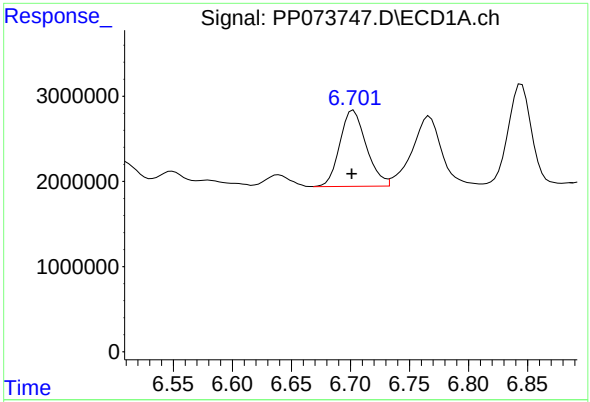
#26 AR-1254-1

R.T.: 6.487 min
Delta R.T.: 0.002 min
Response: 16280732
Conc: 303.80 ng/ml



#26 AR-1254-1

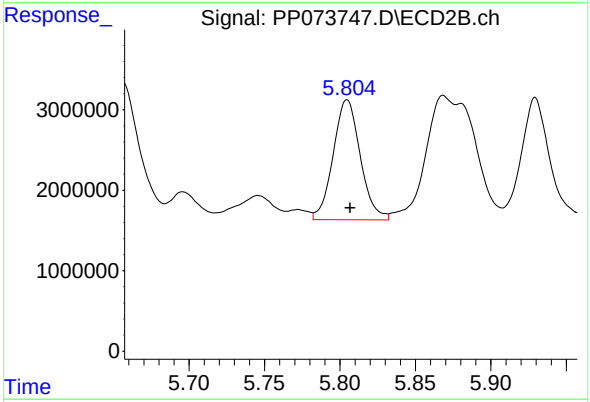
R.T.: 5.657 min
Delta R.T.: -0.002 min
Response: 23684765
Conc: 204.13 ng/ml



#27 AR-1254-2

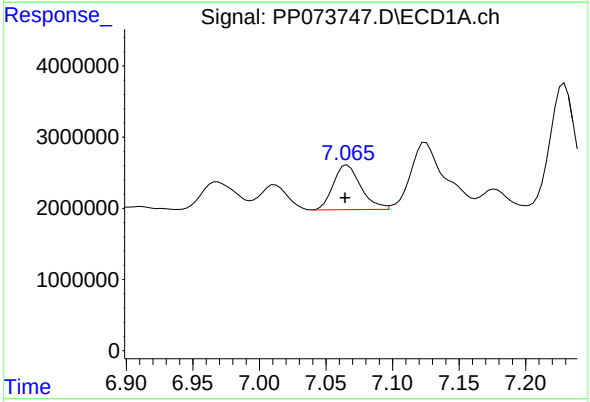
R.T.: 6.703 min
Delta R.T.: 0.002 min
Response: 13935058
Conc: 167.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



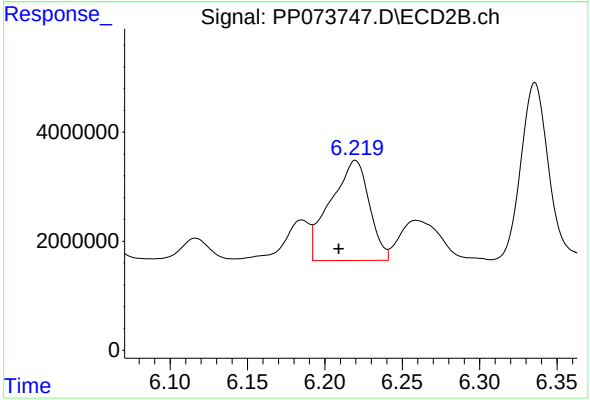
#27 AR-1254-2

R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 18665167
Conc: 185.50 ng/ml



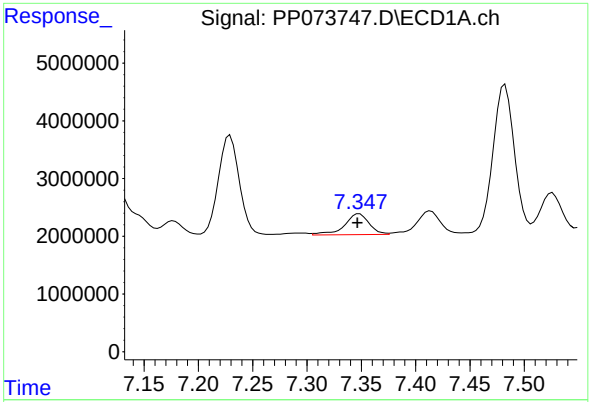
#28 AR-1254-3

R.T.: 7.066 min
Delta R.T.: 0.002 min
Response: 8999379
Conc: 101.88 ng/ml



#28 AR-1254-3

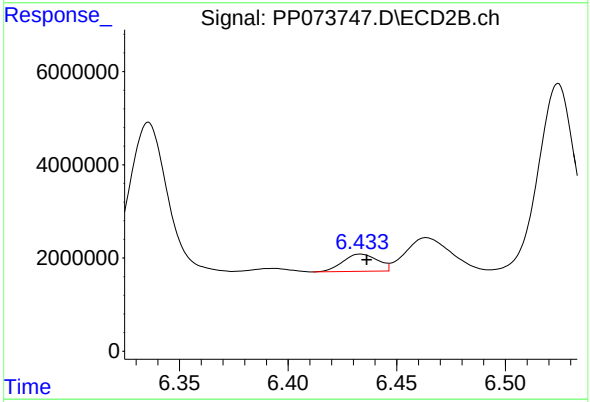
R.T.: 6.220 min
Delta R.T.: 0.011 min
Response: 32015105
Conc: 207.29 ng/ml



#29 AR-1254-4

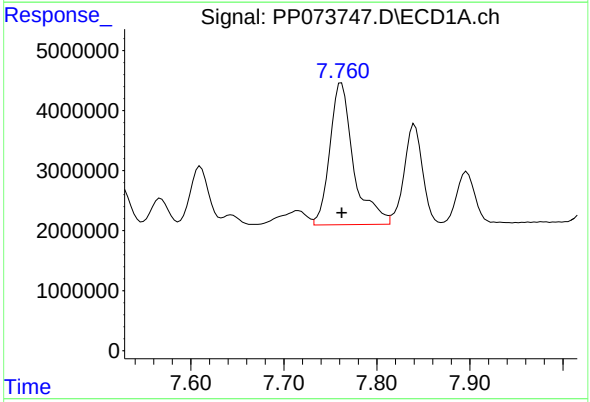
R.T.: 7.348 min
Delta R.T.: 0.002 min
Response: 5686627
Conc: 72.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



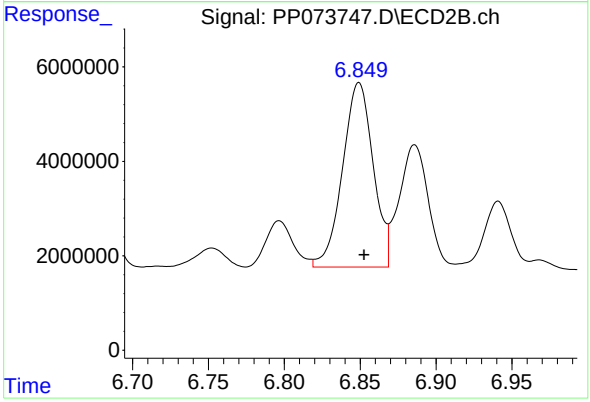
#29 AR-1254-4

R.T.: 6.433 min
Delta R.T.: -0.003 min
Response: 4144131
Conc: 43.83 ng/ml



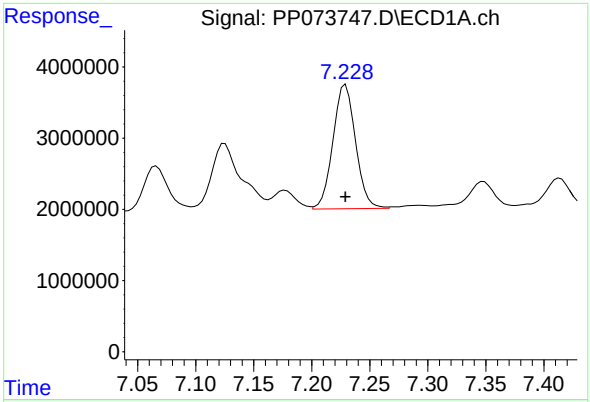
#30 AR-1254-5

R.T.: 7.762 min
Delta R.T.: 0.000 min
Response: 42040083
Conc: 570.58 ng/ml



#30 AR-1254-5

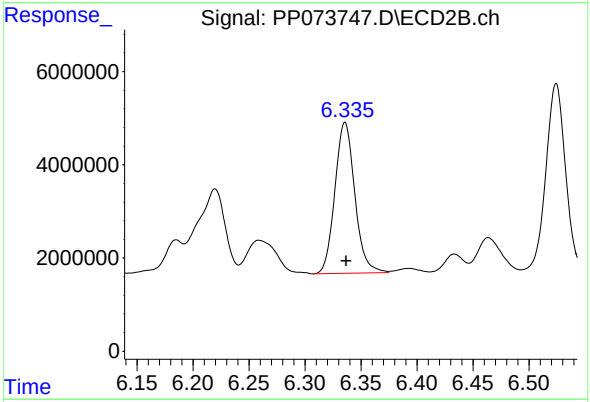
R.T.: 6.849 min
Delta R.T.: -0.003 min
Response: 54895036
Conc: 411.37 ng/ml



#31 AR-1260-1

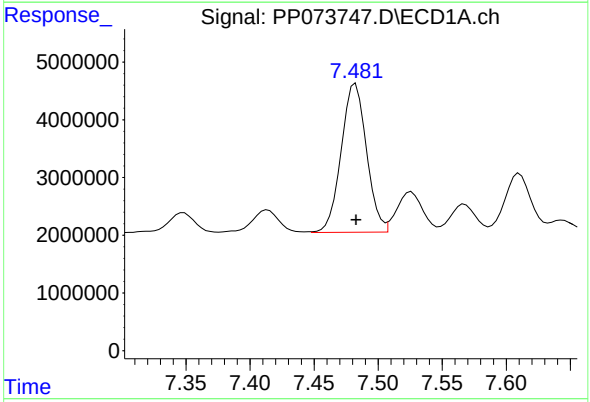
R.T.: 7.229 min
Delta R.T.: 0.000 min
Response: 23611710
Conc: 400.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



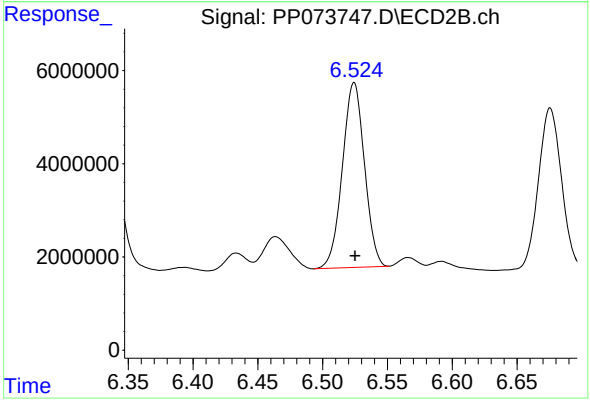
#31 AR-1260-1

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 40103341
Conc: 411.06 ng/ml



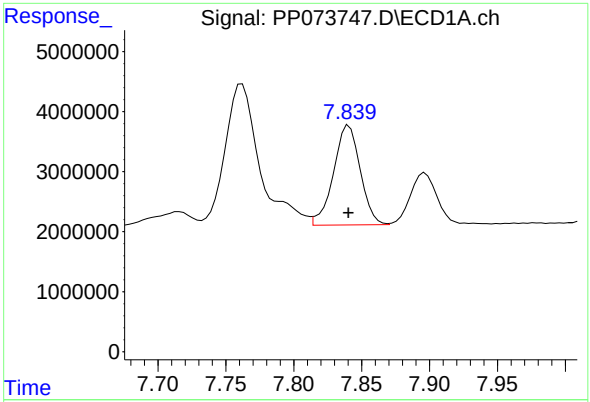
#32 AR-1260-2

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 35449905
Conc: 369.89 ng/ml



#32 AR-1260-2

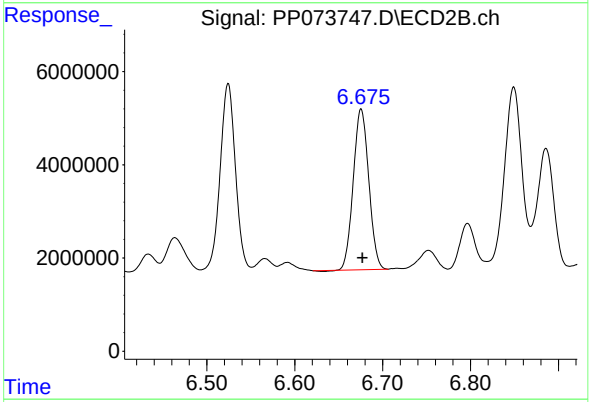
R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 47019348
Conc: 382.78 ng/ml



#33 AR-1260-3

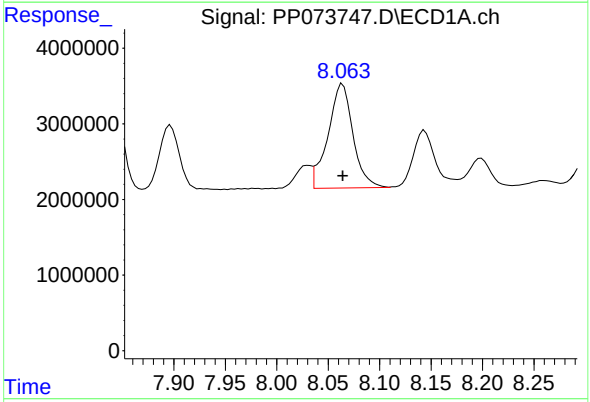
R.T.: 7.841 min
Delta R.T.: 0.000 min
Response: 22770832
Conc: 311.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



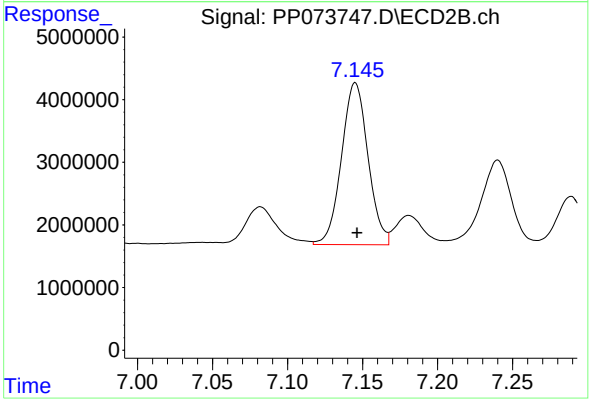
#33 AR-1260-3

R.T.: 6.676 min
Delta R.T.: -0.001 min
Response: 42210035
Conc: 385.61 ng/ml



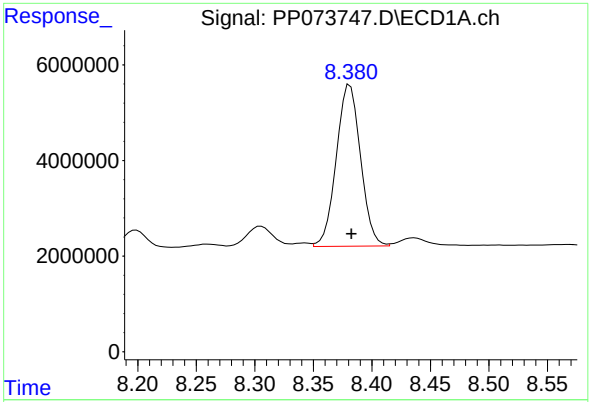
#34 AR-1260-4

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 23296444
Conc: 356.76 ng/ml



#34 AR-1260-4

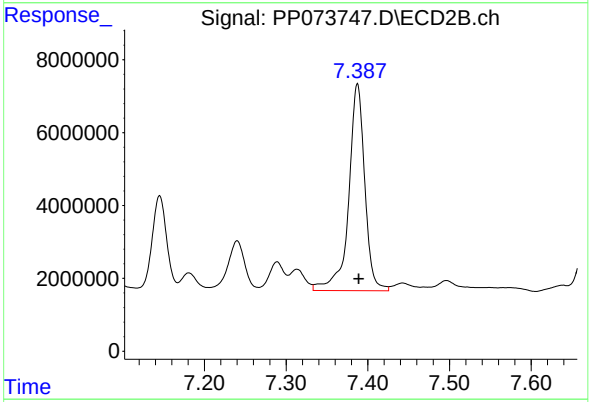
R.T.: 7.145 min
Delta R.T.: -0.001 min
Response: 31804953
Conc: 355.73 ng/ml



#35 AR-1260-5

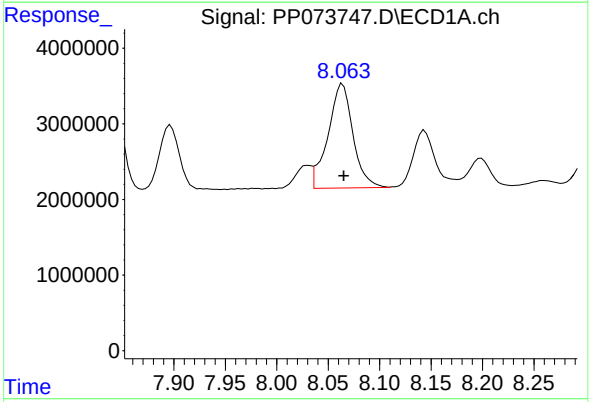
R.T.: 8.381 min
Delta R.T.: -0.001 min
Response: 48716836
Conc: 322.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



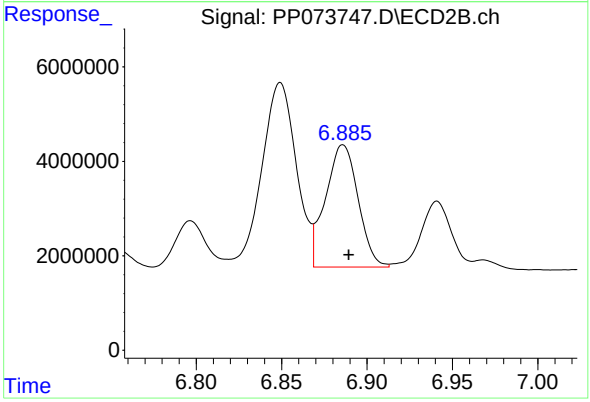
#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: -0.001 min
Response: 77961466
Conc: 346.90 ng/ml



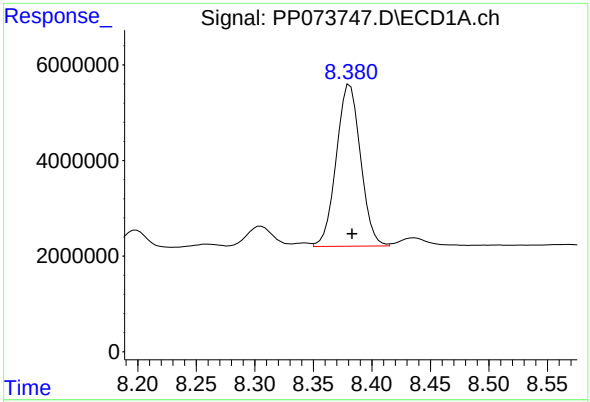
#36 AR-1262-1

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 23296444
Conc: 267.69 ng/ml



#36 AR-1262-1

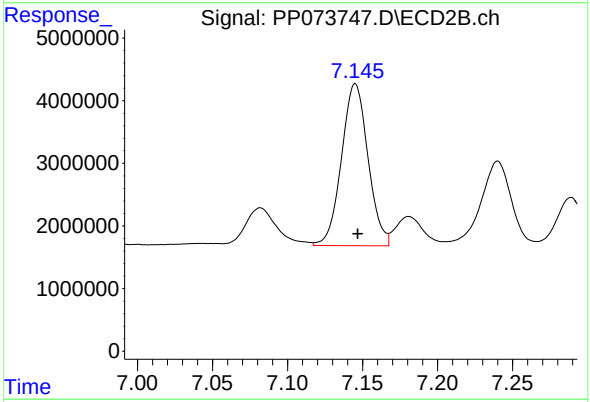
R.T.: 6.886 min
Delta R.T.: -0.003 min
Response: 34402689
Conc: 232.94 ng/ml



#37 AR-1262-2

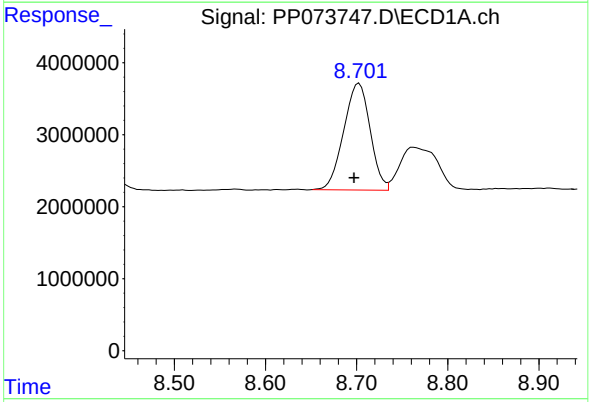
R.T.: 8.381 min
Delta R.T.: -0.002 min
Response: 48716836
Conc: 246.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



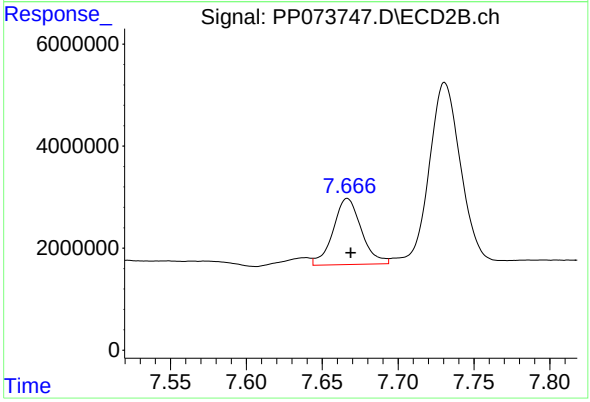
#37 AR-1262-2

R.T.: 7.145 min
Delta R.T.: -0.002 min
Response: 31804953
Conc: 248.81 ng/ml



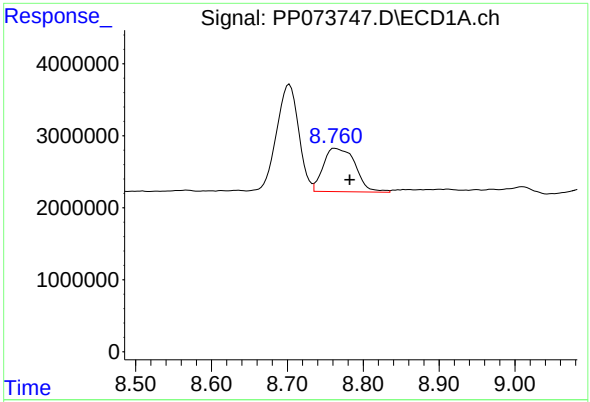
#38 AR-1262-3

R.T.: 8.703 min
Delta R.T.: 0.006 min
Response: 29858927
Conc: 237.49 ng/ml



#38 AR-1262-3

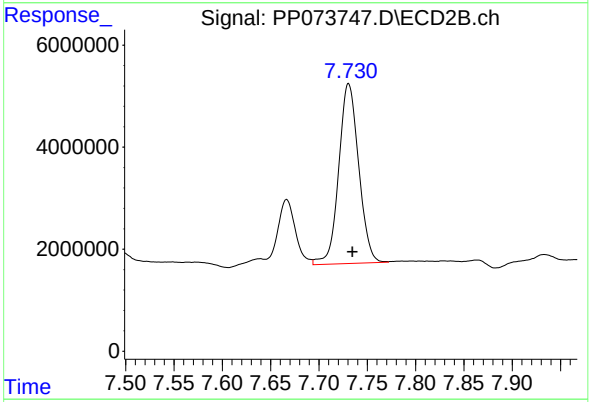
R.T.: 7.667 min
Delta R.T.: -0.002 min
Response: 16802376
Conc: 147.36 ng/ml



#39 AR-1262-4

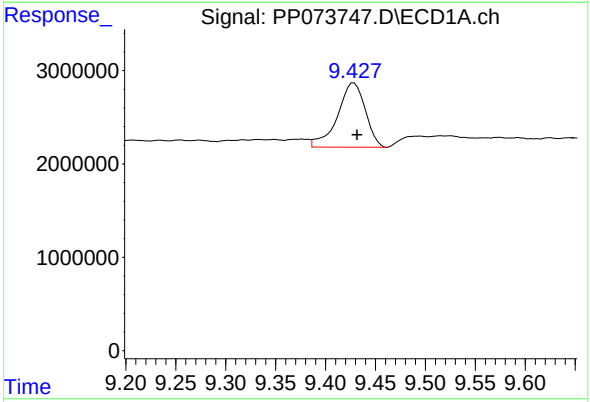
R.T.: 8.762 min
Delta R.T.: -0.020 min
Response: 17667671
Conc: 189.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



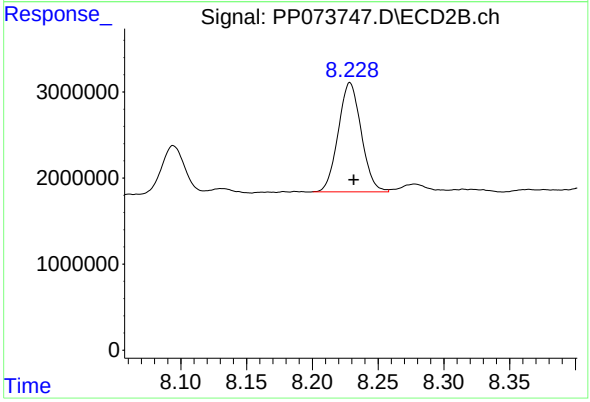
#39 AR-1262-4

R.T.: 7.731 min
Delta R.T.: -0.004 min
Response: 50680794
Conc: 275.37 ng/ml



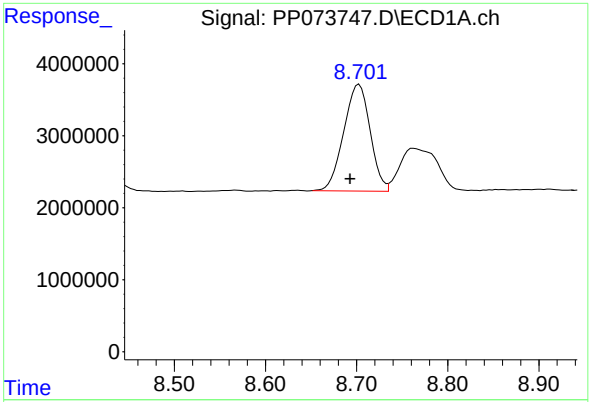
#40 AR-1262-5

R.T.: 9.428 min
Delta R.T.: -0.003 min
Response: 13395869
Conc: 211.33 ng/ml



#40 AR-1262-5

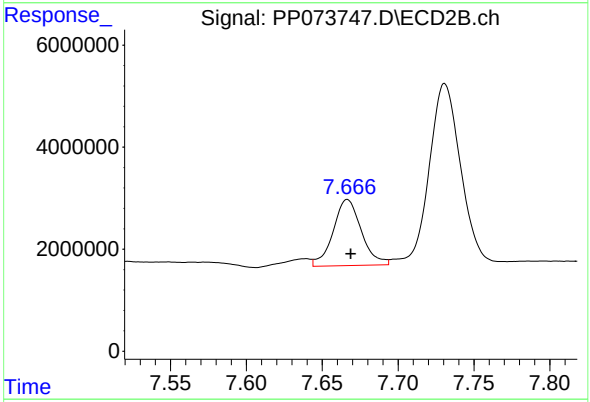
R.T.: 8.229 min
Delta R.T.: -0.003 min
Response: 15443973
Conc: 182.91 ng/ml



#41 AR-1268-1

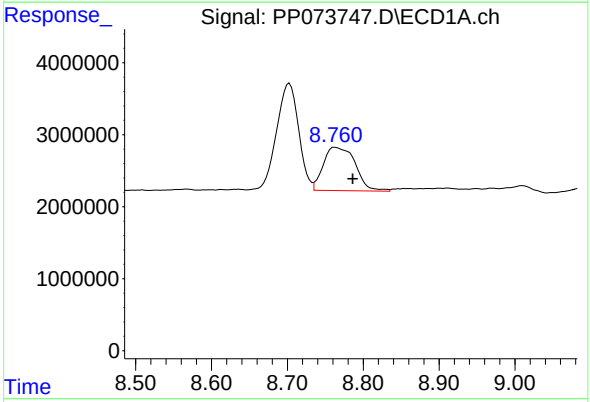
R.T.: 8.703 min
Delta R.T.: 0.010 min
Response: 29858927
Conc: 133.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



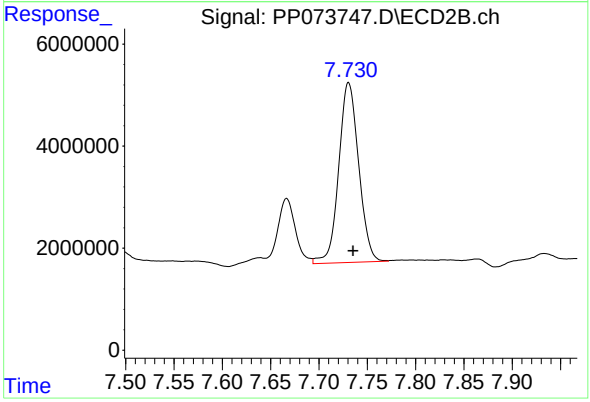
#41 AR-1268-1

R.T.: 7.667 min
Delta R.T.: -0.002 min
Response: 16802376
Conc: 54.66 ng/ml



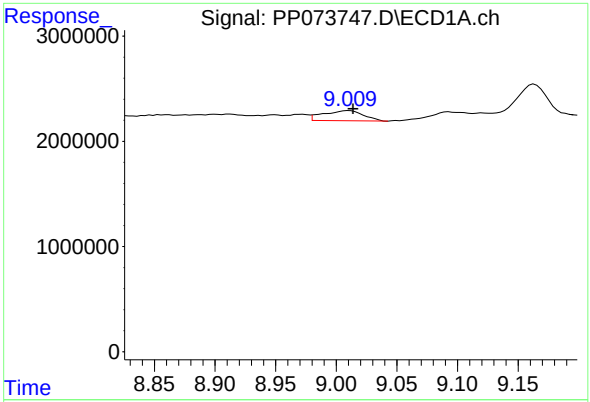
#42 AR-1268-2

R.T.: 8.762 min
Delta R.T.: -0.024 min
Response: 17667671
Conc: 92.74 ng/ml



#42 AR-1268-2

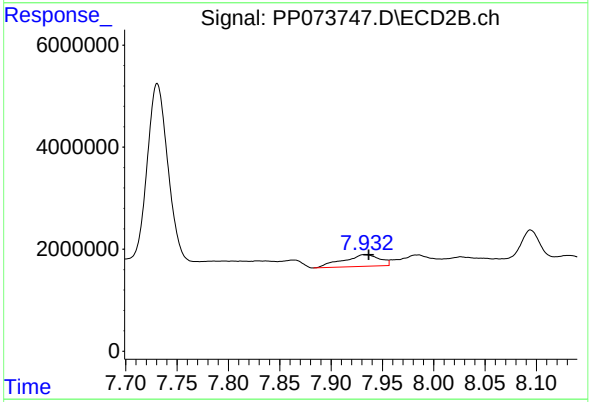
R.T.: 7.731 min
Delta R.T.: -0.005 min
Response: 50680794
Conc: 190.75 ng/ml



#43 AR-1268-3

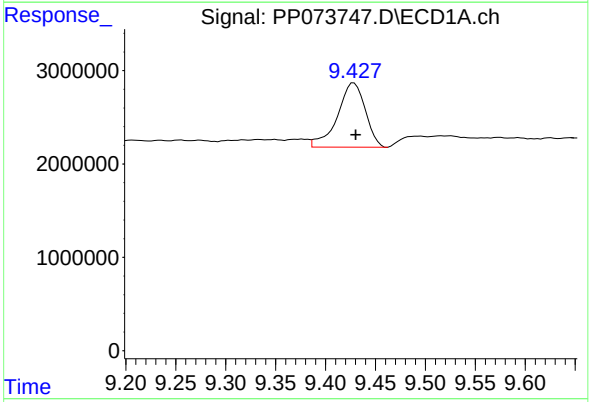
R.T.: 9.010 min
Delta R.T.: -0.003 min
Response: 2219592
Conc: 13.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



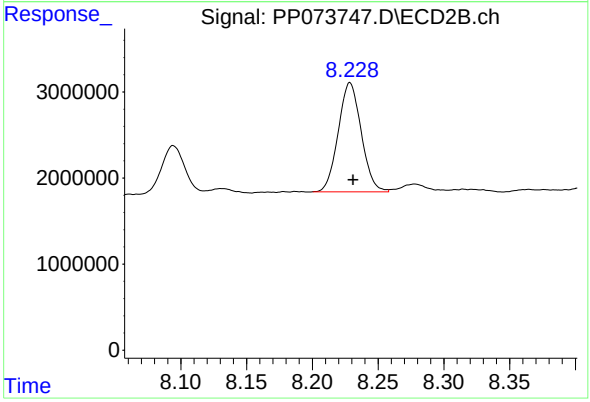
#43 AR-1268-3

R.T.: 7.933 min
Delta R.T.: -0.004 min
Response: 5697645
Conc: 25.26 ng/ml



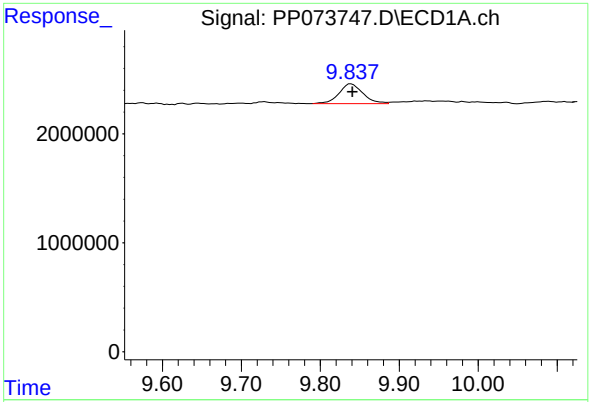
#44 AR-1268-4

R.T.: 9.428 min
Delta R.T.: -0.002 min
Response: 13395869
Conc: 192.62 ng/ml



#44 AR-1268-4

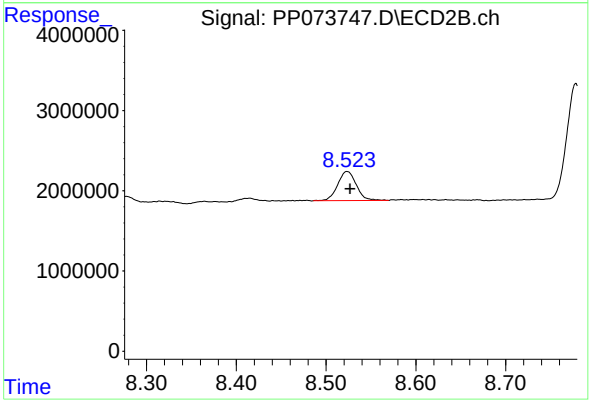
R.T.: 8.229 min
Delta R.T.: -0.002 min
Response: 15443973
Conc: 166.12 ng/ml



#45 AR-1268-5

R.T.: 9.839 min
Delta R.T.: -0.002 min
Response: 3834800
Conc: 8.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-29-070925MSD



#45 AR-1268-5

R.T.: 8.524 min
Delta R.T.: -0.003 min
Response: 5251408
Conc: 8.52 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 01:43
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: Jul 12 02:17:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.484	3.779	72815898	96573143	53.169	52.420	
2)	SA Decachlor...	10.169	8.776	58465165	76855088	53.586	58.085	
	Target Compounds							
3)	L1 AR-1016-1	5.634	4.857	24149729	35168100	508.270	515.852	
4)	L1 AR-1016-2	5.656	4.874	37089071	53281021	520.805	522.956	
5)	L1 AR-1016-3	5.718	5.050	23028685	28232292	527.418	521.793	
6)	L1 AR-1016-4	5.815	5.092	19304936	22603498	537.060	515.111	
7)	L1 AR-1016-5	6.107	5.305	16853675	33509496	537.933	613.924	
8)	L2 AR-1221-1	4.682	3.985	2825782	4330508	158.161	160.123	
9)	L2 AR-1221-2	4.772	4.074	4239870	5909740	313.960	290.258	
10)	L2 AR-1221-3	4.847	4.149	14585013	20574276	350.561	334.821	
11)	L3 AR-1232-1	4.847	4.149	14585013	20574276	446.698	441.372	
12)	L3 AR-1232-2	5.370	4.874	18139707	53281021	1115.968	1117.945	
13)	L3 AR-1232-3	5.656	5.050	37089071	28232292	1124.134	1127.982	
14)	L3 AR-1232-4	5.815	5.134	19304936	27207240	1173.898	1256.321	
15)	L3 AR-1232-5	5.905	5.305	15222668	33509496	1440.128	1485.123	
16)	L4 AR-1242-1	5.634	4.857	24149729	35168100	632.387	608.816	
17)	L4 AR-1242-2	5.656	4.874	37089071	53281021	619.369	616.292	
18)	L4 AR-1242-3	5.718	5.050	23028685	28232292	628.840	614.458	
19)	L4 AR-1242-4	5.815	5.134	19304936	27207240	600.726	614.668	
20)	L4 AR-1242-5	6.545	5.656	6545421	32564052	199.940	589.475	#
21)	L5 AR-1248-1	5.634	4.857	24149729	35168100	782.291	783.343	
22)	L5 AR-1248-2	5.905	5.092	15222668	22603498	381.297	367.318	
23)	L5 AR-1248-3	6.107	5.134	16853675	27207240	379.505	424.685	
24)	L5 AR-1248-4	6.505	5.305	6669586	33509496	121.088	444.556	#
25)	L5 AR-1248-5	6.545	5.696	6545421	10809605	121.683	144.919	
26)	L6 AR-1254-1	6.481	5.656	16675892	32564052	311.178	280.652	
27)	L6 AR-1254-2	6.697	5.803	14979926	23594402	179.855	234.482	#
28)	L6 AR-1254-3	7.061	6.219	12654771	40542165	143.264	262.500	#
29)	L6 AR-1254-4	7.343	6.434	7815614	5963314	99.351	63.064	#
30)	L6 AR-1254-5	7.756	6.848	47029925	65568402	638.301	491.352	
31)	L7 AR-1260-1	7.224	6.335	32597119	51972898	552.857	532.726	
32)	L7 AR-1260-2	7.477	6.523	44151707	68133037	460.682	554.660	
33)	L7 AR-1260-3	7.835	6.675	37597734	55810927	514.540	509.857	
34)	L7 AR-1260-4	8.058	7.144	34475608	47305706	527.958	529.097	
35)	L7 AR-1260-5	8.376	7.387	78367978	117.7E6	519.500	523.753	
36)	L8 AR-1262-1	8.058	6.886	34475608	56223011	396.147	380.678	
37)	L8 AR-1262-2	8.376	7.144	78367978	47305706	395.743	370.070	
38)	L8 AR-1262-3	8.698	7.665	47504334	29882126	377.843	262.080	#
39)	L8 AR-1262-4	8.774	7.730	13545917	81015162	145.245	440.182	#
40)	L8 AR-1262-5	9.424	8.228	22234026	30752073	350.753	364.207	
41)	L9 AR-1268-1	8.698	7.665	47504334	29882126	212.810	97.217	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 01:43
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: Jul 12 02:17:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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	8.774	7.730	13545917	81015162	71.105	304.926 #
43) L9	AR-1268-3	9.003	7.933	1339286	1705567	8.089	7.561
44) L9	AR-1268-4	9.424	8.228	22234026	30752073	319.712	330.782
45) L9	AR-1268-5	9.834	8.522	5597473	8254711	12.143	13.389

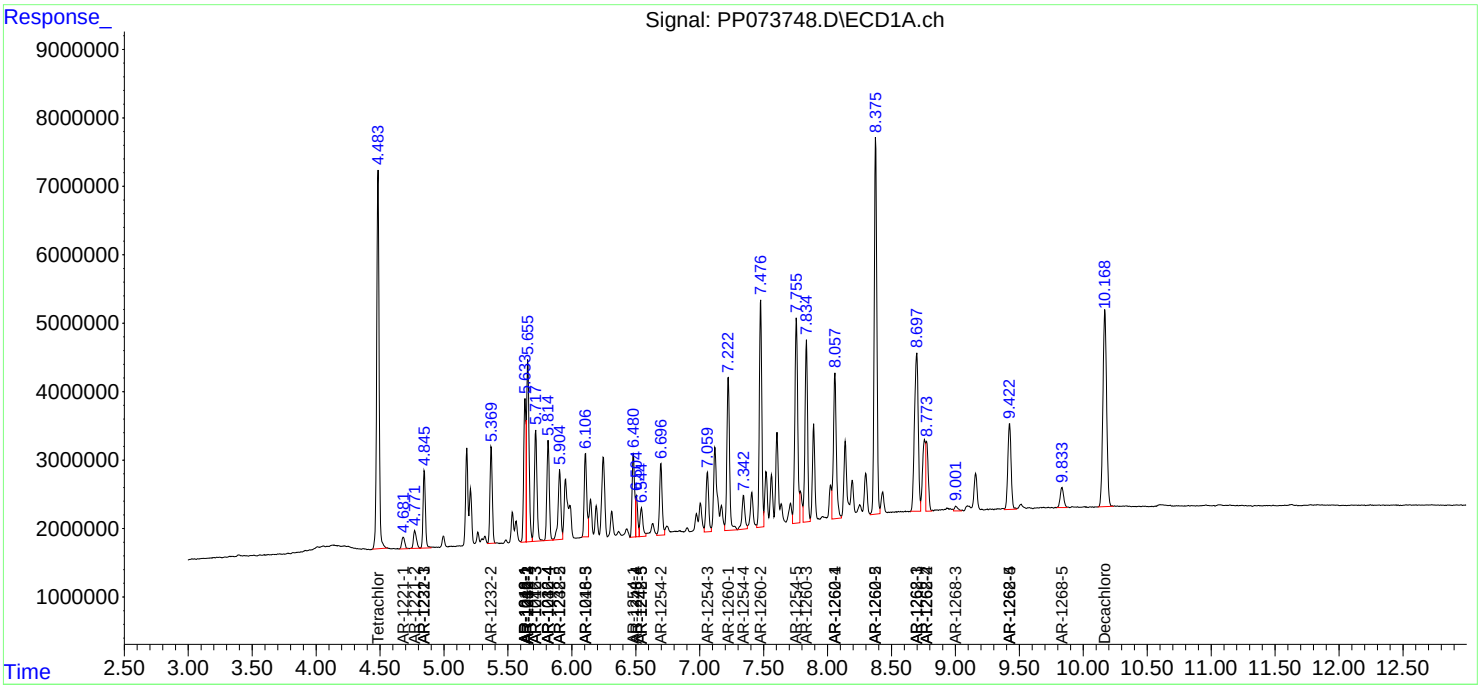
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

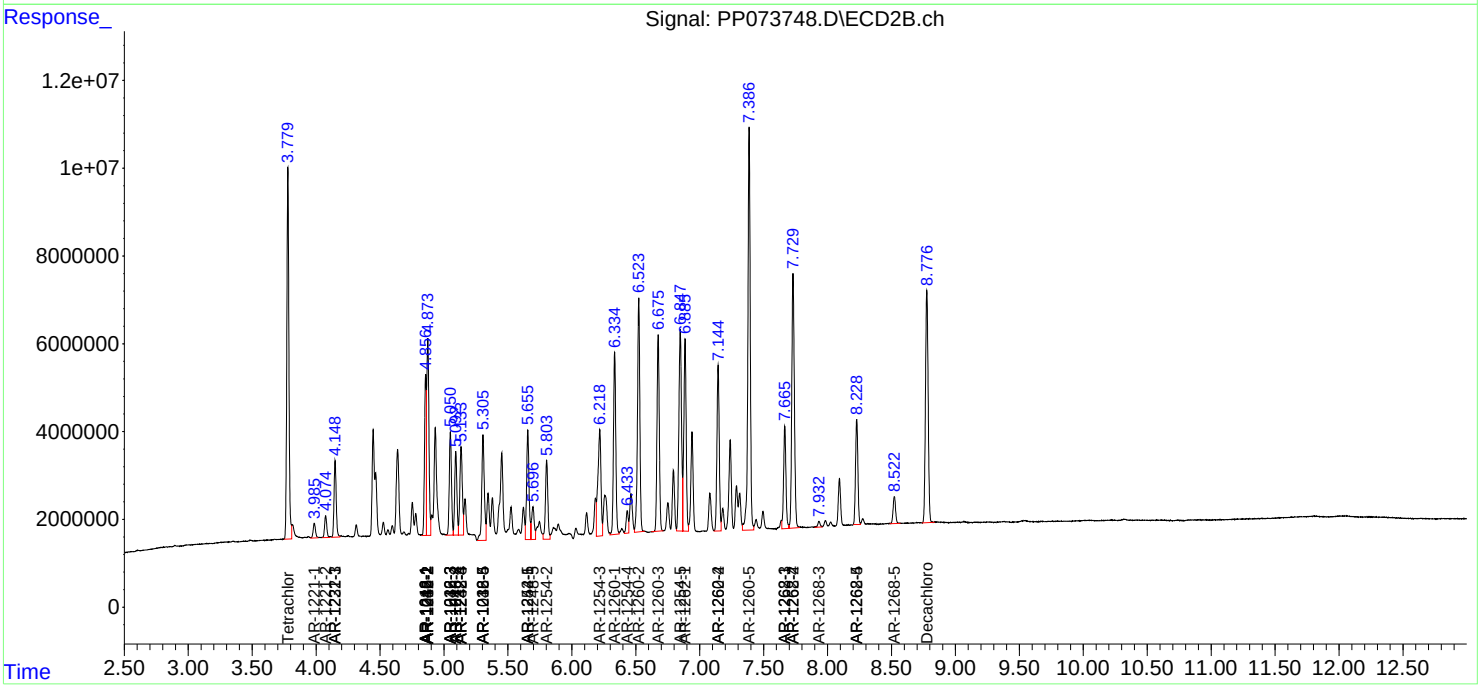
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071225\
Data File : PP073748.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2025 01:43
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

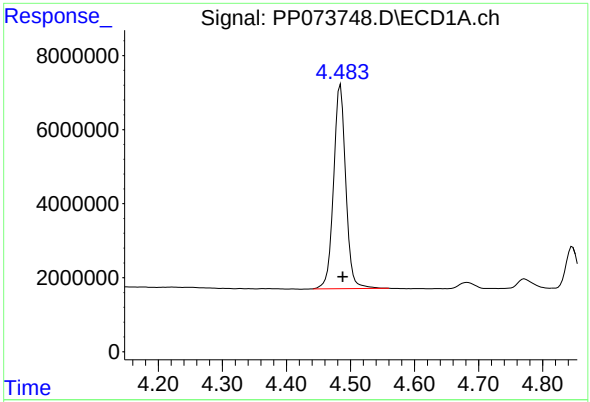
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 12 02:17:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



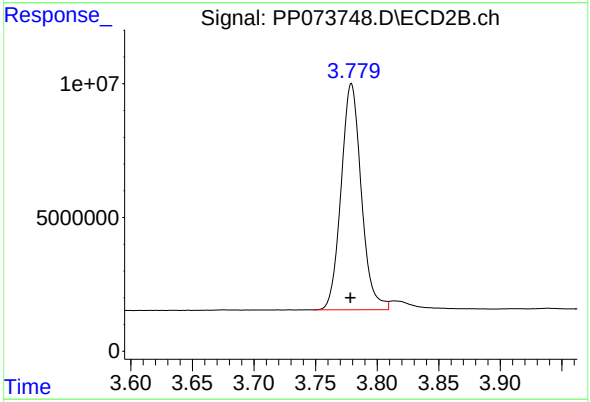




#1 Tetrachloro-m-xylene

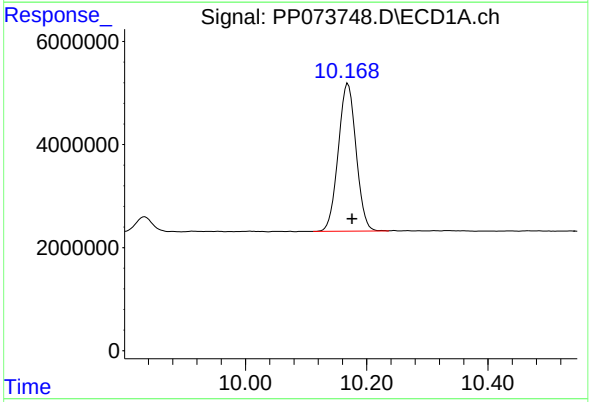
R.T.: 4.484 min
Delta R.T.: -0.004 min
Response: 72815898
Conc: 53.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



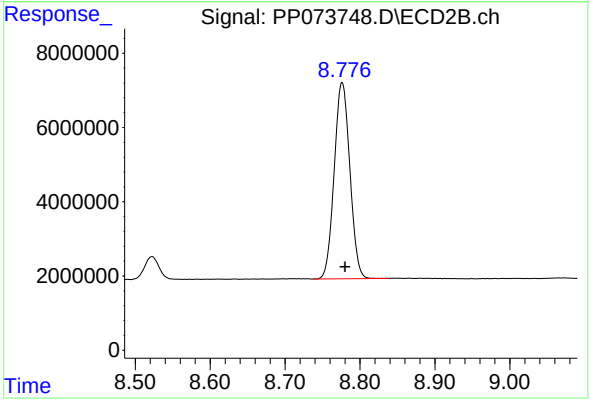
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 96573143
Conc: 52.42 ng/ml



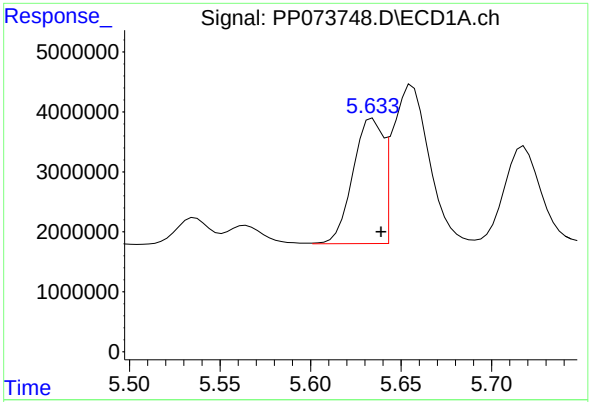
#2 Decachlorobiphenyl

R.T.: 10.169 min
Delta R.T.: -0.007 min
Response: 58465165
Conc: 53.59 ng/ml



#2 Decachlorobiphenyl

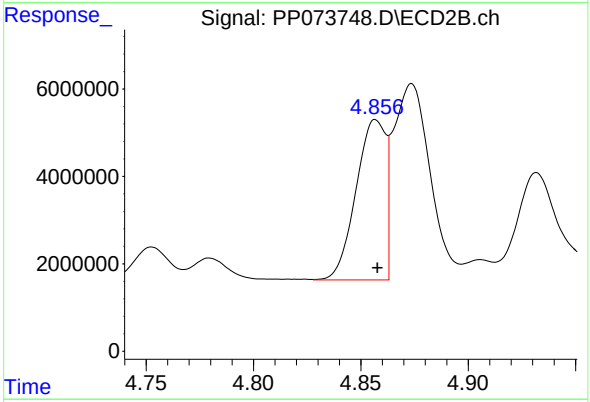
R.T.: 8.776 min
Delta R.T.: -0.004 min
Response: 76855088
Conc: 58.08 ng/ml



#3 AR-1016-1

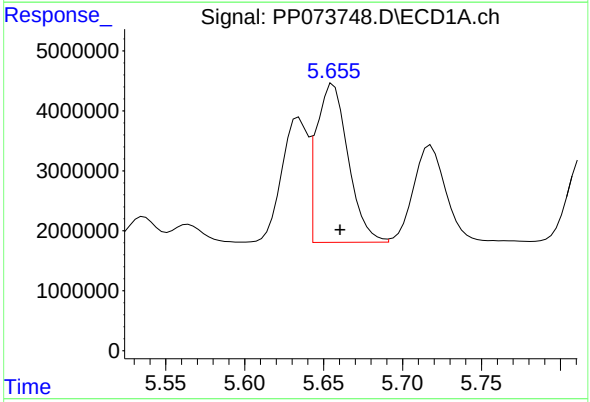
R.T.: 5.634 min
Delta R.T.: -0.005 min
Response: 24149729
Conc: 508.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



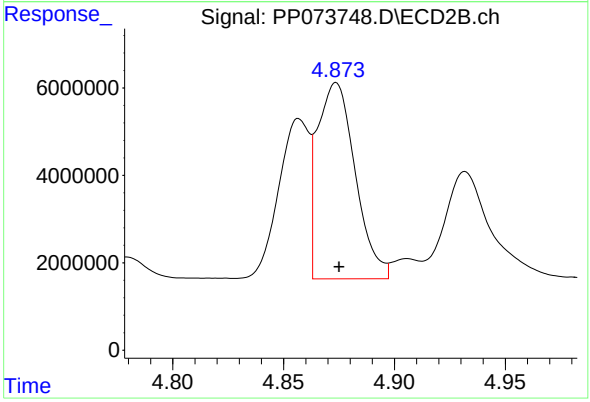
#3 AR-1016-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 35168100
Conc: 515.85 ng/ml



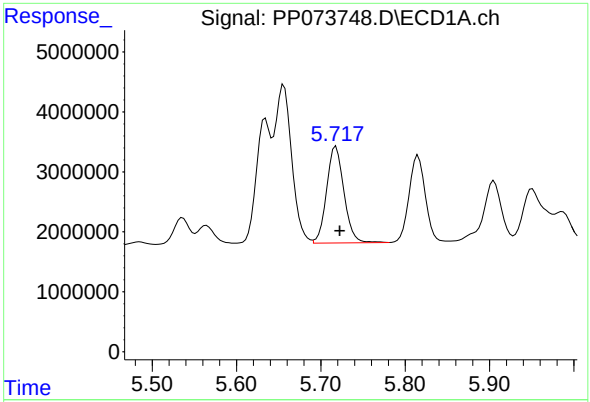
#4 AR-1016-2

R.T.: 5.656 min
Delta R.T.: -0.004 min
Response: 37089071
Conc: 520.81 ng/ml



#4 AR-1016-2

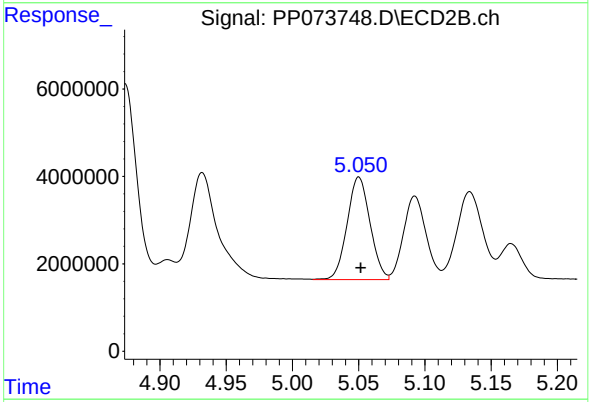
R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 53281021
Conc: 522.96 ng/ml



#5 AR-1016-3

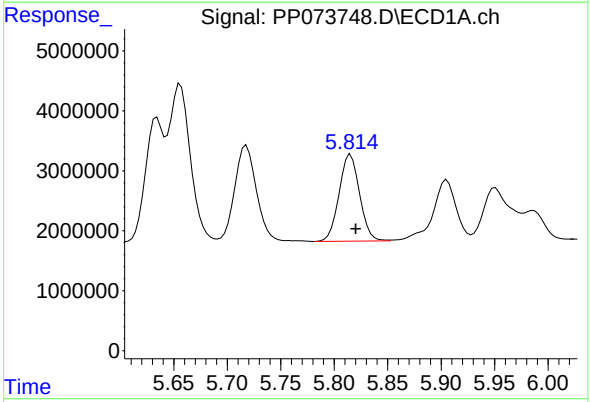
R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 23028685
Conc: 527.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



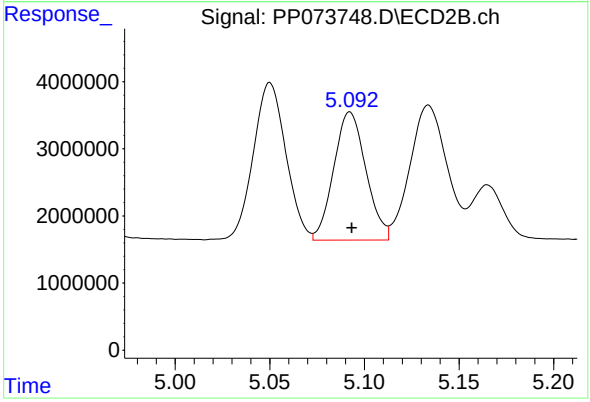
#5 AR-1016-3

R.T.: 5.050 min
Delta R.T.: -0.001 min
Response: 28232292
Conc: 521.79 ng/ml



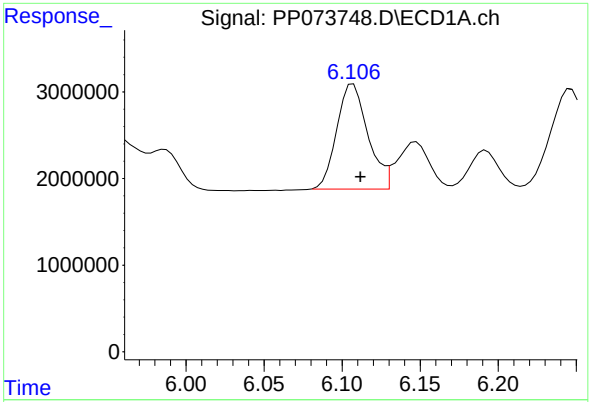
#6 AR-1016-4

R.T.: 5.815 min
Delta R.T.: -0.005 min
Response: 19304936
Conc: 537.06 ng/ml



#6 AR-1016-4

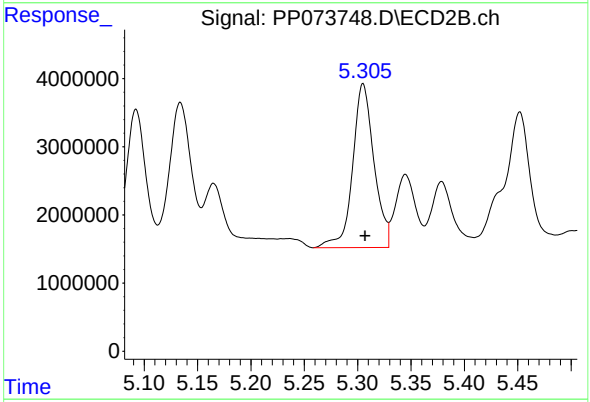
R.T.: 5.092 min
Delta R.T.: 0.000 min
Response: 22603498
Conc: 515.11 ng/ml



#7 AR-1016-5

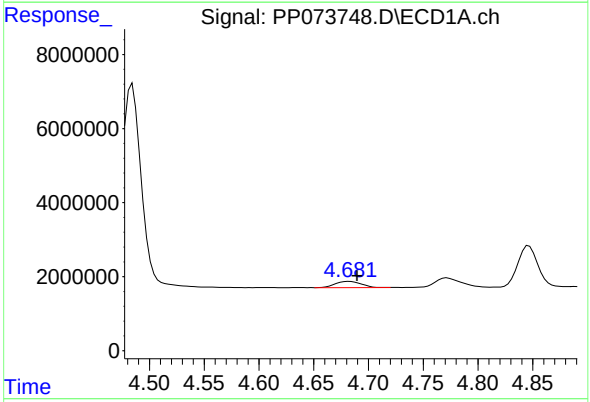
R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 16853675
Conc: 537.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



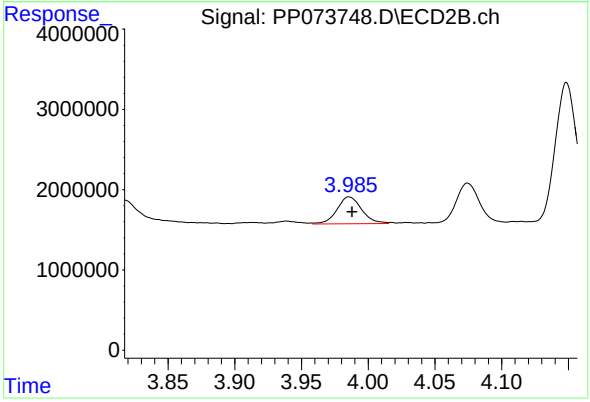
#7 AR-1016-5

R.T.: 5.305 min
Delta R.T.: -0.002 min
Response: 33509496
Conc: 613.92 ng/ml



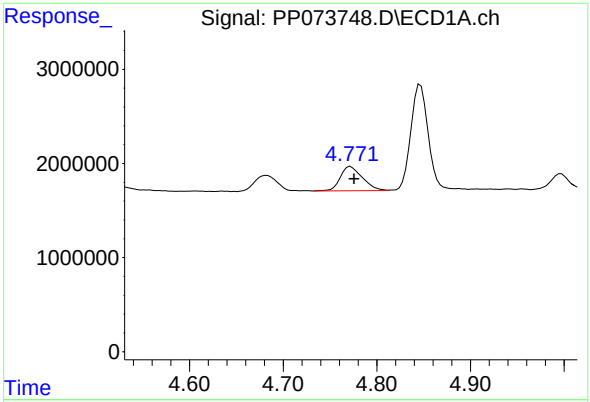
#8 AR-1221-1

R.T.: 4.682 min
Delta R.T.: -0.007 min
Response: 2825782
Conc: 158.16 ng/ml



#8 AR-1221-1

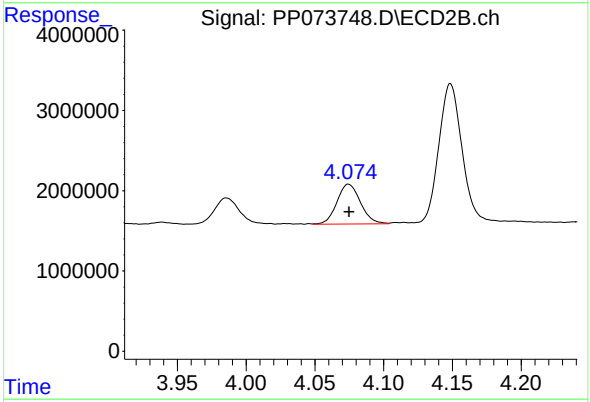
R.T.: 3.985 min
Delta R.T.: -0.002 min
Response: 4330508
Conc: 160.12 ng/ml



#9 AR-1221-2

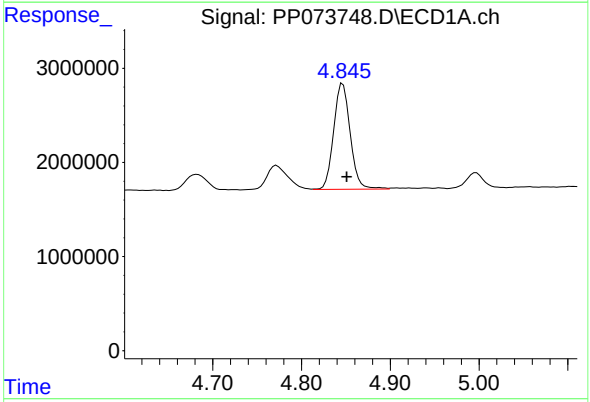
R.T.: 4.772 min
Delta R.T.: -0.004 min
Response: 4239870
Conc: 313.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



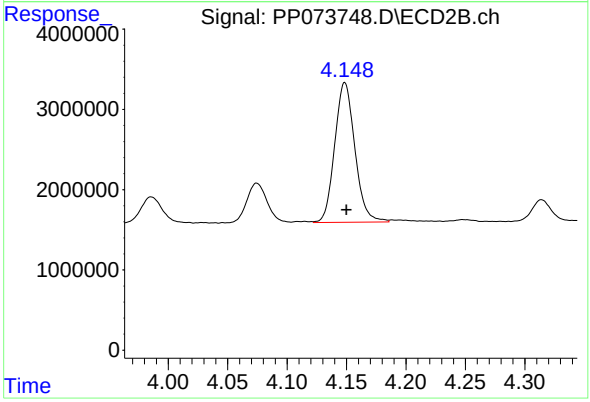
#9 AR-1221-2

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 5909740
Conc: 290.26 ng/ml



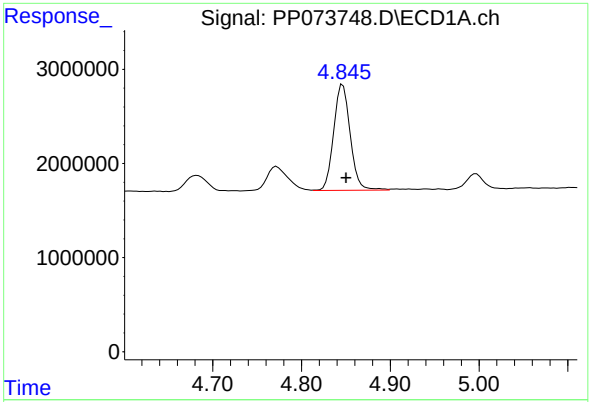
#10 AR-1221-3

R.T.: 4.847 min
Delta R.T.: -0.004 min
Response: 14585013
Conc: 350.56 ng/ml



#10 AR-1221-3

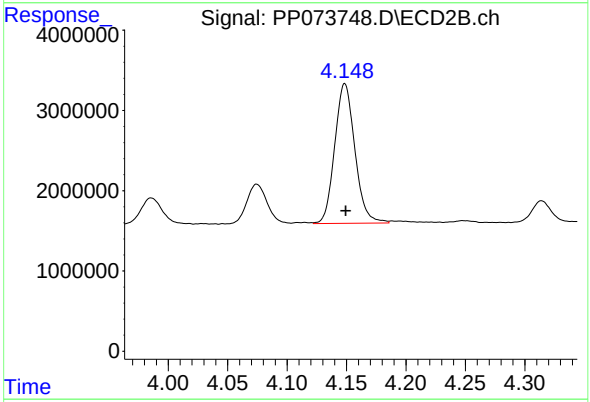
R.T.: 4.149 min
Delta R.T.: -0.001 min
Response: 20574276
Conc: 334.82 ng/ml



#11 AR-1232-1

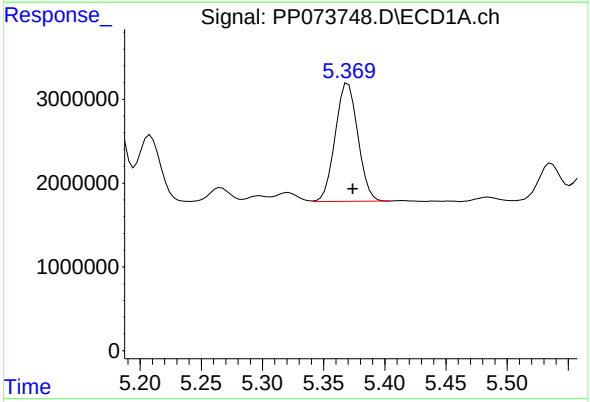
R.T.: 4.847 min
Delta R.T.: -0.004 min
Response: 14585013
Conc: 446.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



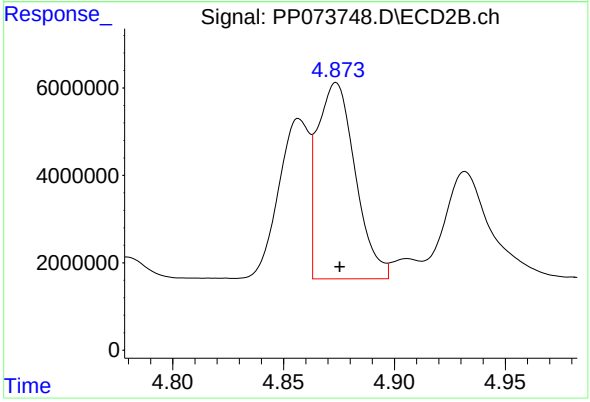
#11 AR-1232-1

R.T.: 4.149 min
Delta R.T.: 0.000 min
Response: 20574276
Conc: 441.37 ng/ml



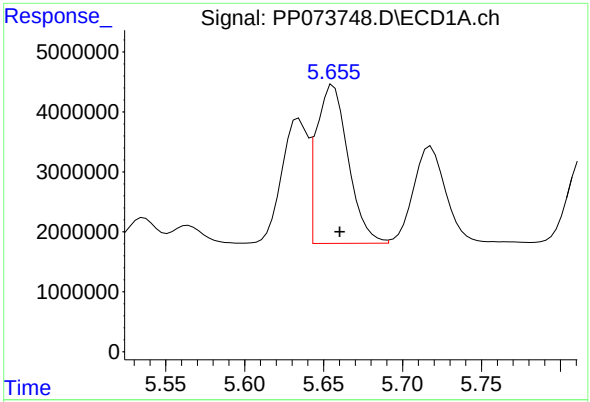
#12 AR-1232-2

R.T.: 5.370 min
Delta R.T.: -0.004 min
Response: 18139707
Conc: 1115.97 ng/ml



#12 AR-1232-2

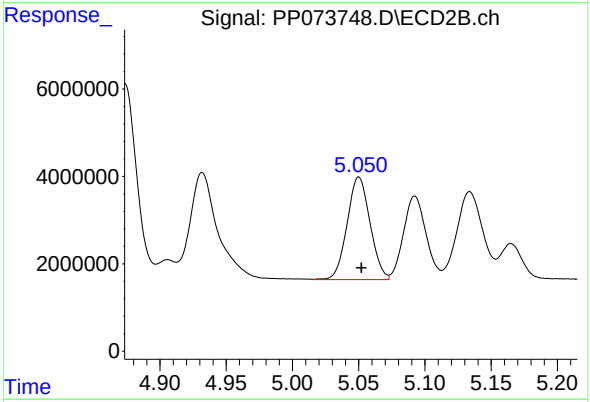
R.T.: 4.874 min
Delta R.T.: -0.002 min
Response: 53281021
Conc: 1117.94 ng/ml



#13 AR-1232-3

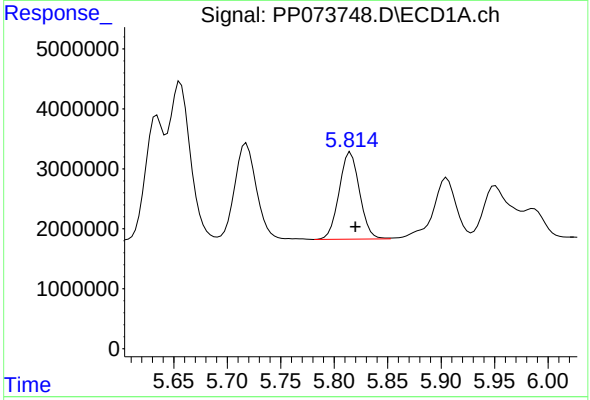
R.T.: 5.656 min
Delta R.T.: -0.004 min
Response: 37089071
Conc: 1124.13 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



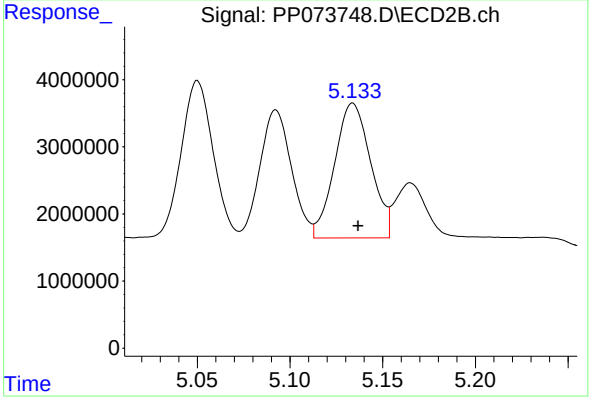
#13 AR-1232-3

R.T.: 5.050 min
Delta R.T.: -0.002 min
Response: 28232292
Conc: 1127.98 ng/ml



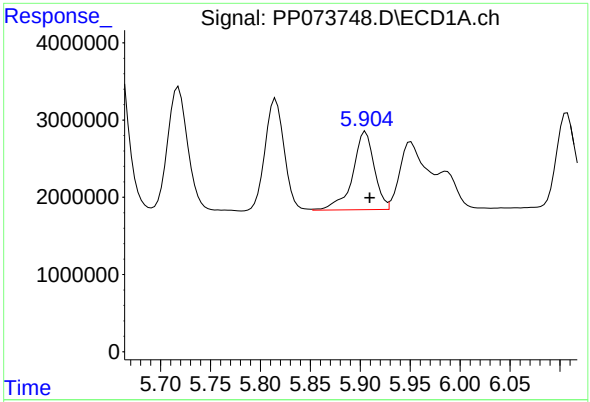
#14 AR-1232-4

R.T.: 5.815 min
Delta R.T.: -0.005 min
Response: 19304936
Conc: 1173.90 ng/ml



#14 AR-1232-4

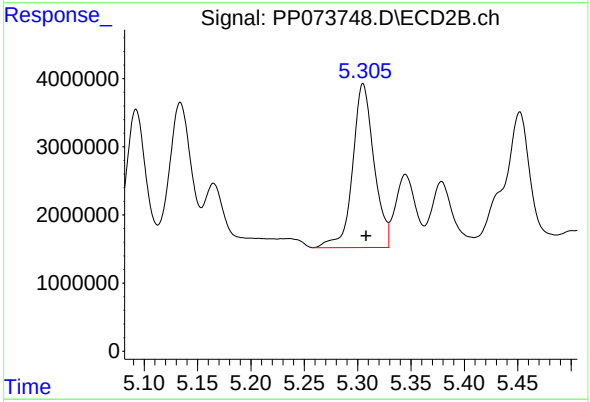
R.T.: 5.134 min
Delta R.T.: -0.003 min
Response: 27207240
Conc: 1256.32 ng/ml



#15 AR-1232-5

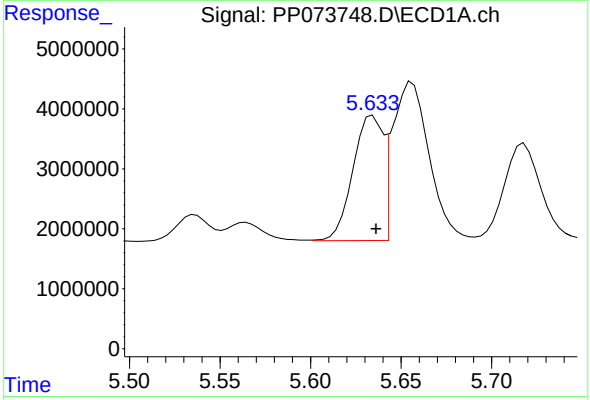
R.T.: 5.905 min
Delta R.T.: -0.004 min
Response: 15222668
Conc: 1440.13 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



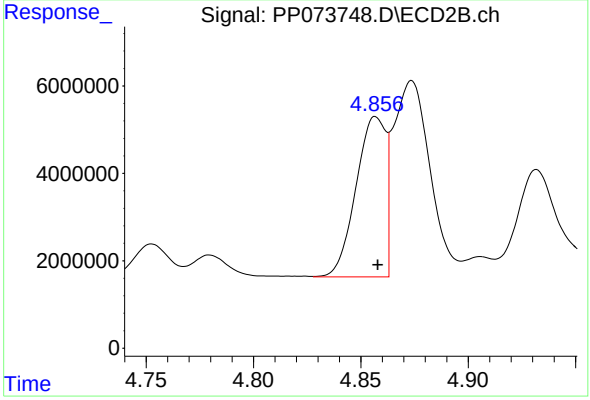
#15 AR-1232-5

R.T.: 5.305 min
Delta R.T.: -0.003 min
Response: 33509496
Conc: 1485.12 ng/ml



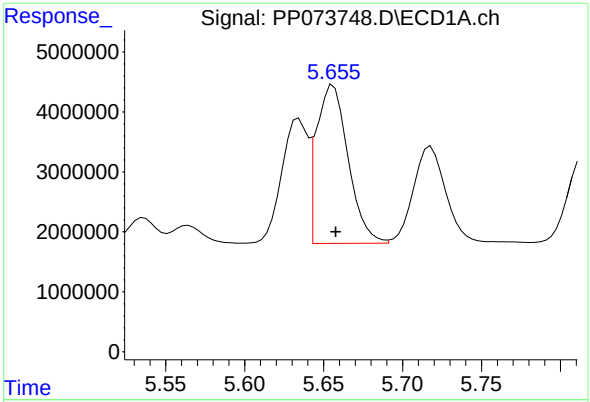
#16 AR-1242-1

R.T.: 5.634 min
Delta R.T.: -0.002 min
Response: 24149729
Conc: 632.39 ng/ml



#16 AR-1242-1

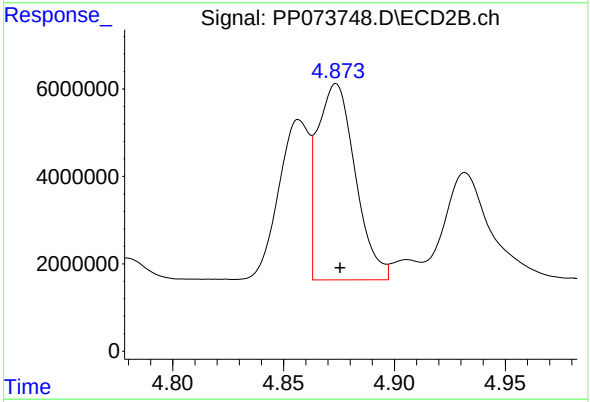
R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 35168100
Conc: 608.82 ng/ml



#17 AR-1242-2

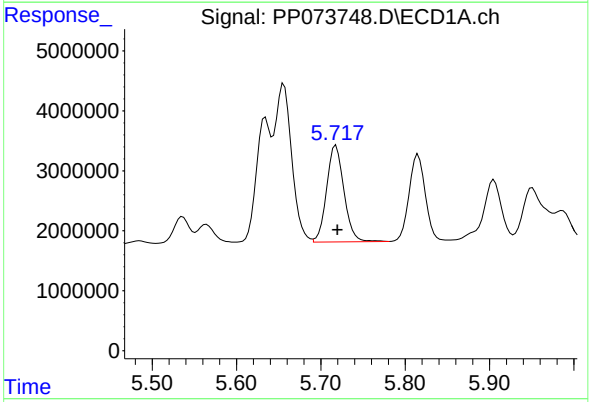
R.T.: 5.656 min
Delta R.T.: -0.002 min
Response: 37089071
Conc: 619.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



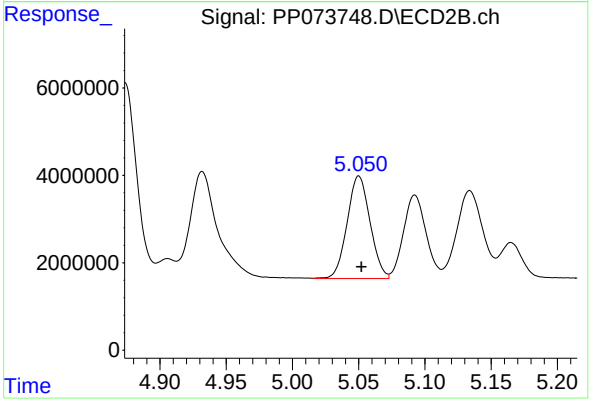
#17 AR-1242-2

R.T.: 4.874 min
Delta R.T.: -0.002 min
Response: 53281021
Conc: 616.29 ng/ml



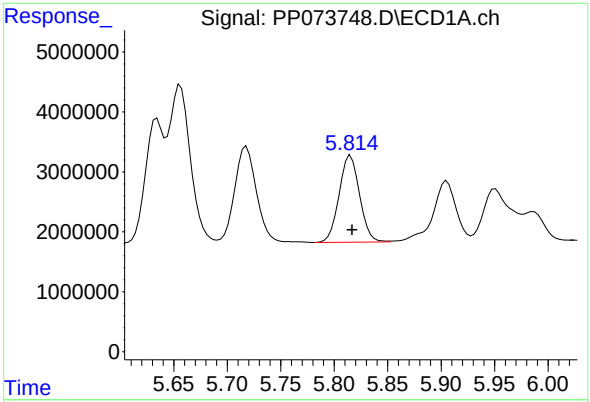
#18 AR-1242-3

R.T.: 5.718 min
Delta R.T.: -0.002 min
Response: 23028685
Conc: 628.84 ng/ml



#18 AR-1242-3

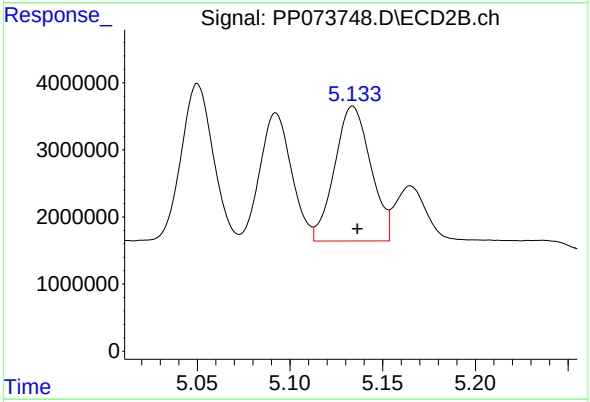
R.T.: 5.050 min
Delta R.T.: -0.002 min
Response: 28232292
Conc: 614.46 ng/ml



#19 AR-1242-4

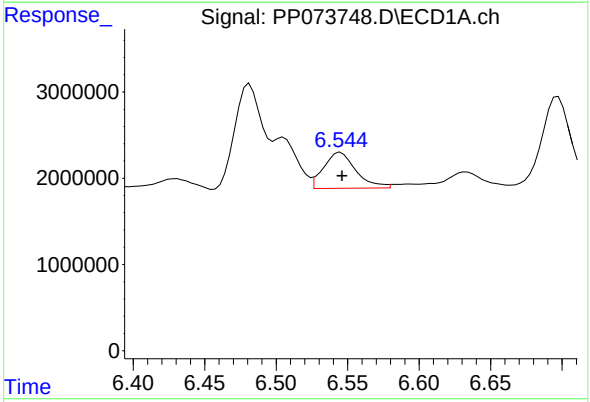
R.T.: 5.815 min
Delta R.T.: -0.001 min
Response: 19304936
Conc: 600.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



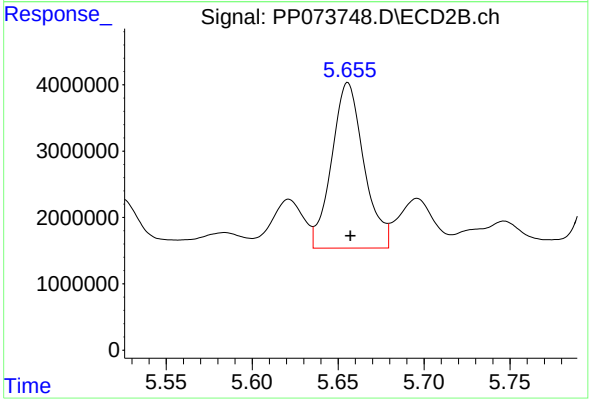
#19 AR-1242-4

R.T.: 5.134 min
Delta R.T.: -0.002 min
Response: 27207240
Conc: 614.67 ng/ml



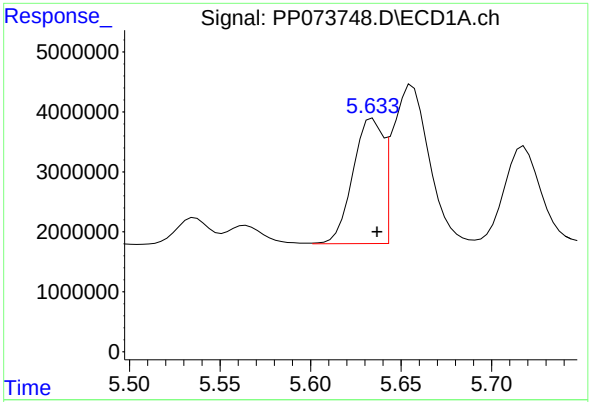
#20 AR-1242-5

R.T.: 6.545 min
Delta R.T.: -0.001 min
Response: 6545421
Conc: 199.94 ng/ml



#20 AR-1242-5

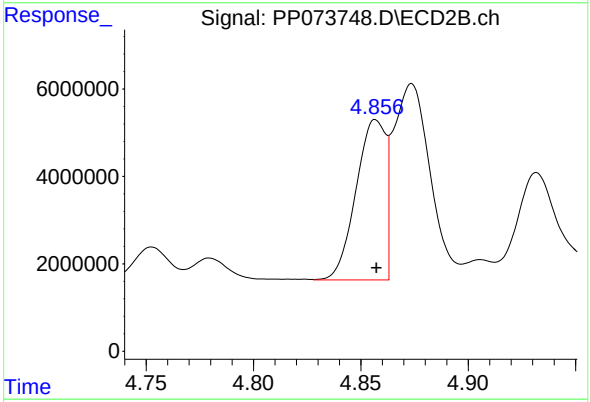
R.T.: 5.656 min
Delta R.T.: -0.002 min
Response: 32564052
Conc: 589.47 ng/ml



#21 AR-1248-1

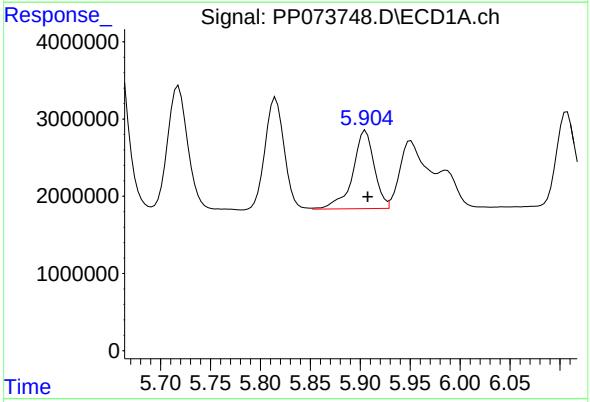
R.T.: 5.634 min
Delta R.T.: -0.002 min
Response: 24149729
Conc: 782.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



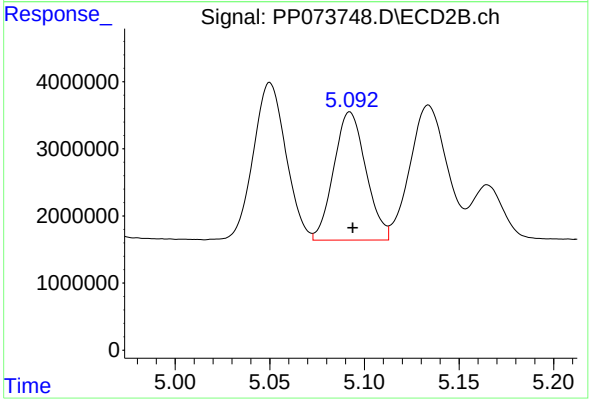
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 35168100
Conc: 783.34 ng/ml



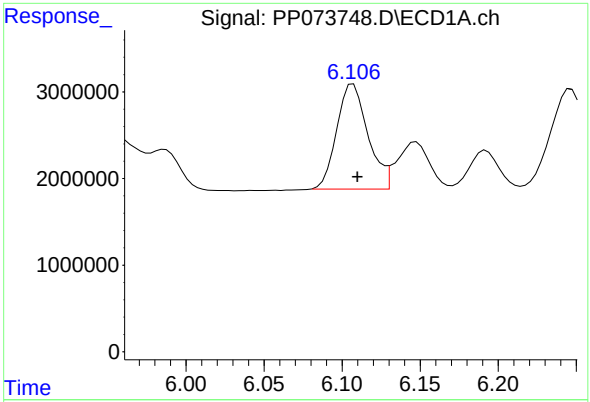
#22 AR-1248-2

R.T.: 5.905 min
Delta R.T.: -0.002 min
Response: 15222668
Conc: 381.30 ng/ml



#22 AR-1248-2

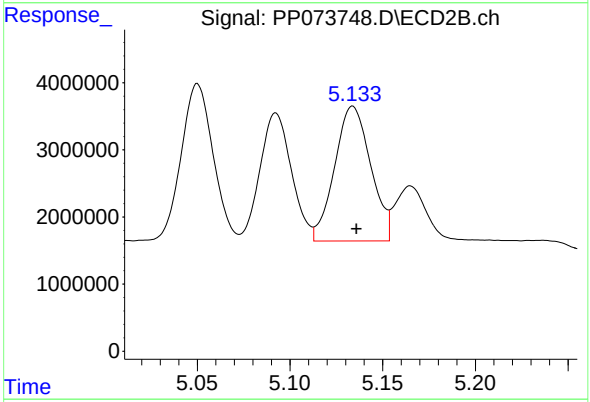
R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 22603498
Conc: 367.32 ng/ml



#23 AR-1248-3

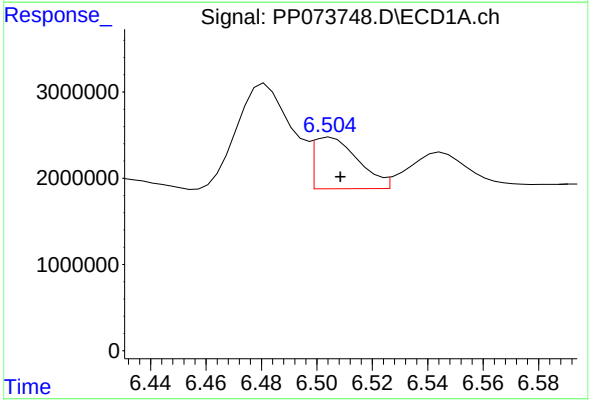
R.T.: 6.107 min
Delta R.T.: -0.003 min
Response: 16853675
Conc: 379.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



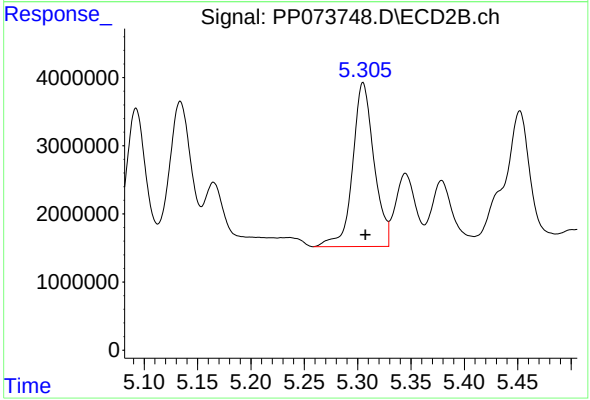
#23 AR-1248-3

R.T.: 5.134 min
Delta R.T.: -0.002 min
Response: 27207240
Conc: 424.68 ng/ml



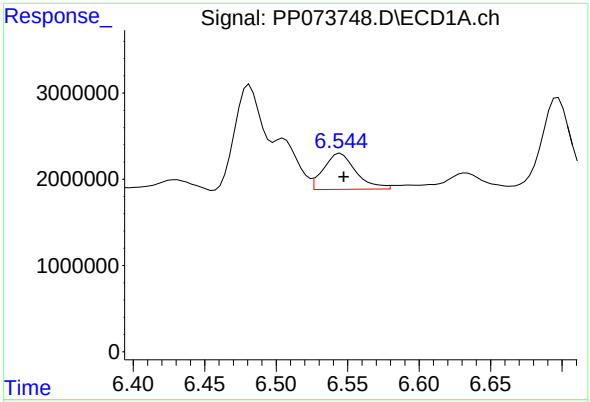
#24 AR-1248-4

R.T.: 6.505 min
Delta R.T.: -0.004 min
Response: 6669586
Conc: 121.09 ng/ml



#24 AR-1248-4

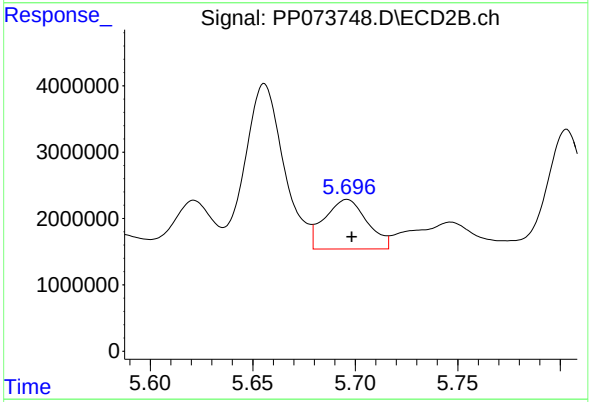
R.T.: 5.305 min
Delta R.T.: -0.002 min
Response: 33509496
Conc: 444.56 ng/ml



#25 AR-1248-5

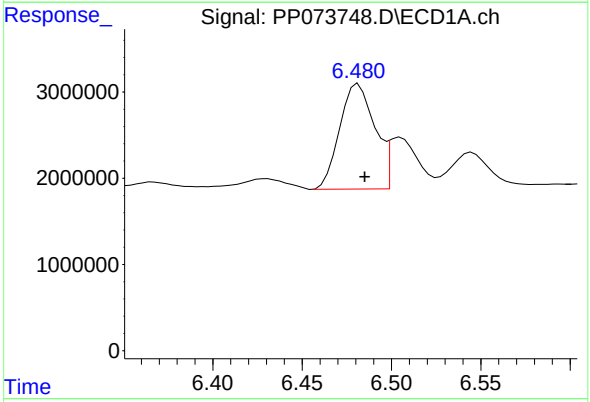
R.T.: 6.545 min
Delta R.T.: -0.002 min
Response: 6545421
Conc: 121.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



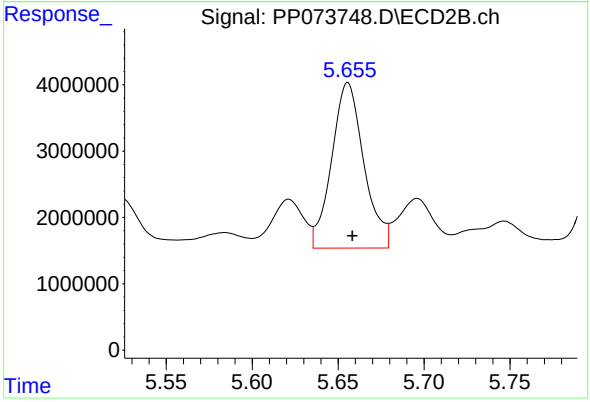
#25 AR-1248-5

R.T.: 5.696 min
Delta R.T.: -0.002 min
Response: 10809605
Conc: 144.92 ng/ml



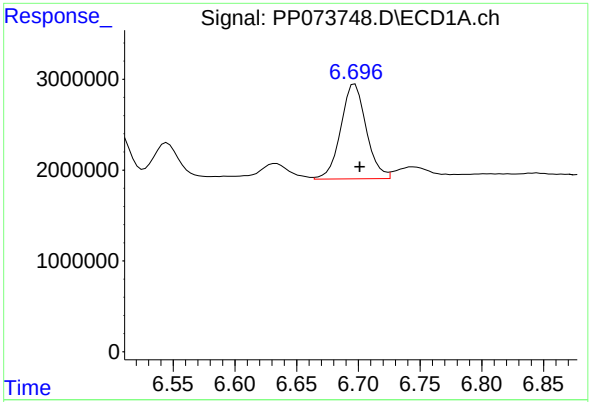
#26 AR-1254-1

R.T.: 6.481 min
Delta R.T.: -0.003 min
Response: 16675892
Conc: 311.18 ng/ml



#26 AR-1254-1

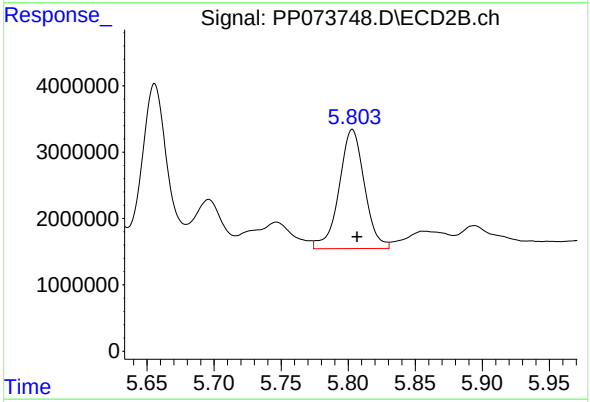
R.T.: 5.656 min
Delta R.T.: -0.003 min
Response: 32564052
Conc: 280.65 ng/ml



#27 AR-1254-2

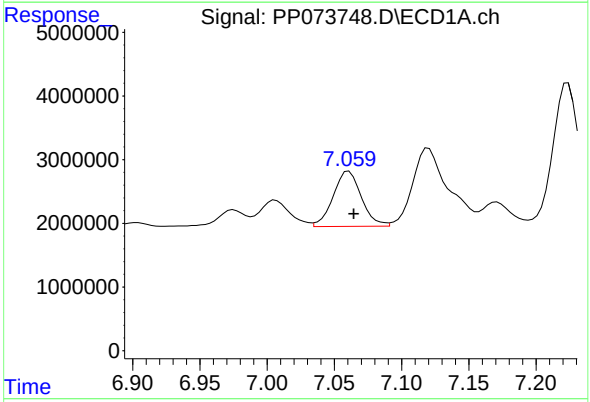
R.T.: 6.697 min
Delta R.T.: -0.004 min
Response: 14979926
Conc: 179.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



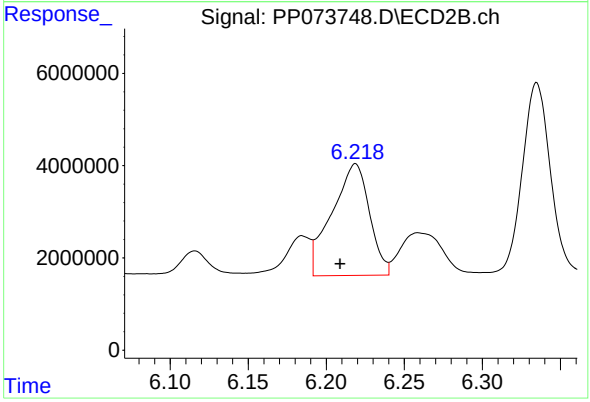
#27 AR-1254-2

R.T.: 5.803 min
Delta R.T.: -0.004 min
Response: 23594402
Conc: 234.48 ng/ml



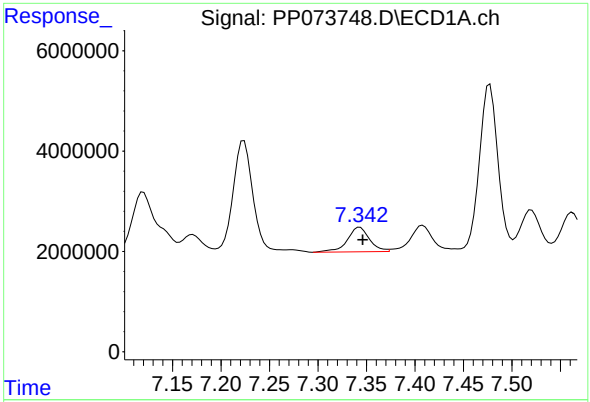
#28 AR-1254-3

R.T.: 7.061 min
Delta R.T.: -0.004 min
Response: 12654771
Conc: 143.26 ng/ml



#28 AR-1254-3

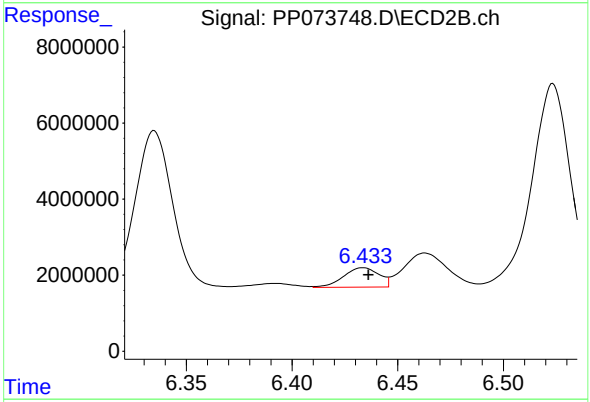
R.T.: 6.219 min
Delta R.T.: 0.010 min
Response: 40542165
Conc: 262.50 ng/ml



#29 AR-1254-4

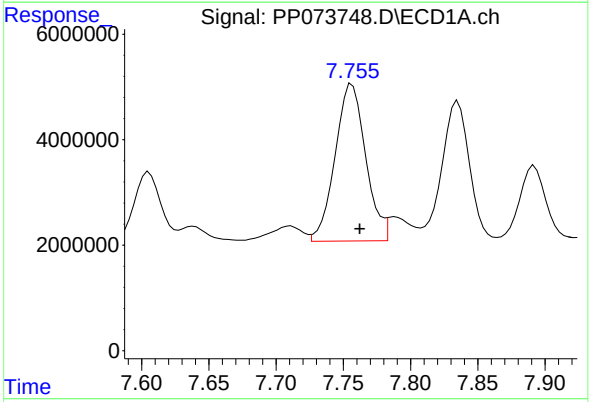
R.T.: 7.343 min
Delta R.T.: -0.003 min
Response: 7815614
Conc: 99.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



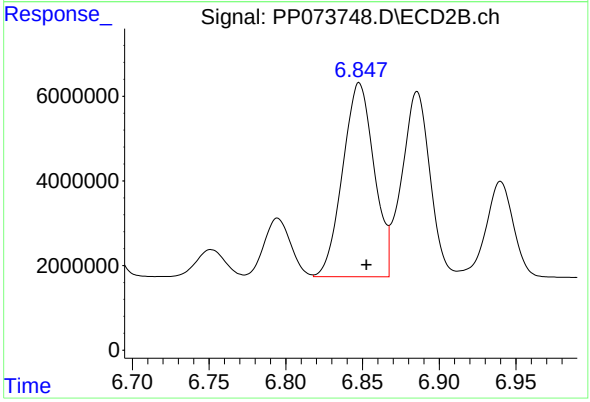
#29 AR-1254-4

R.T.: 6.434 min
Delta R.T.: -0.002 min
Response: 5963314
Conc: 63.06 ng/ml



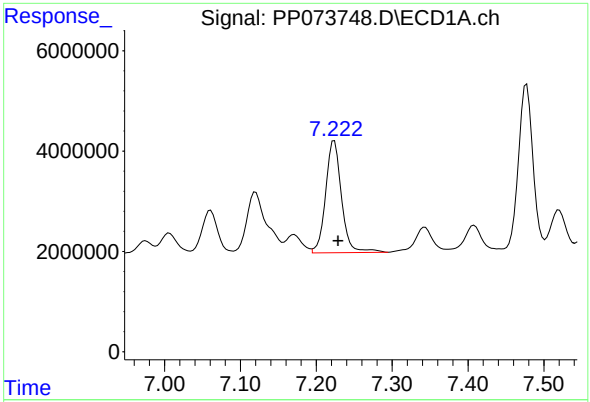
#30 AR-1254-5

R.T.: 7.756 min
Delta R.T.: -0.006 min
Response: 47029925
Conc: 638.30 ng/ml



#30 AR-1254-5

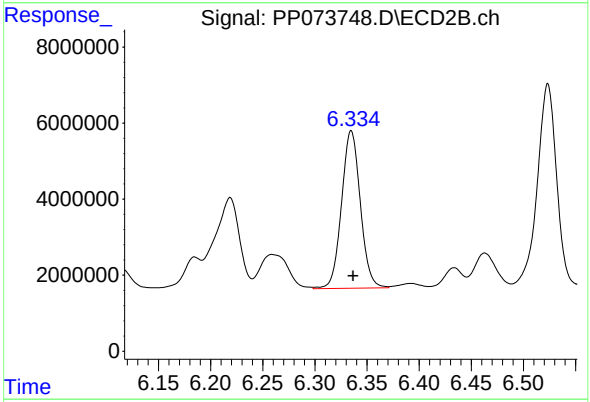
R.T.: 6.848 min
Delta R.T.: -0.005 min
Response: 65568402
Conc: 491.35 ng/ml



#31 AR-1260-1

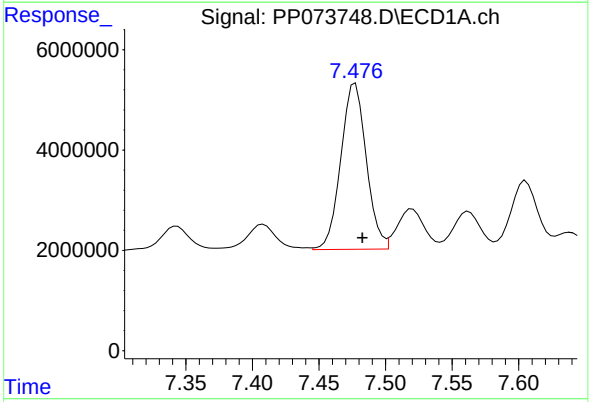
R.T.: 7.224 min
Delta R.T.: -0.005 min
Response: 32597119
Conc: 552.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



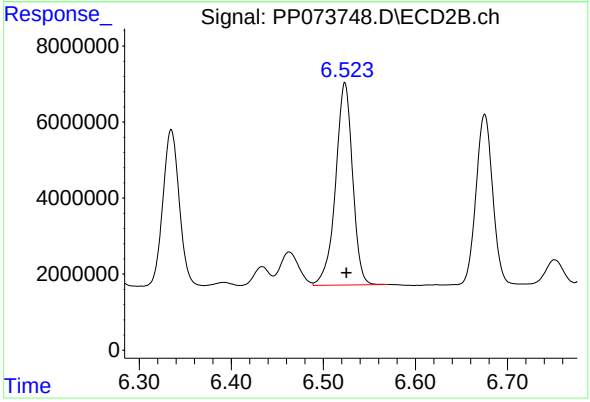
#31 AR-1260-1

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 51972898
Conc: 532.73 ng/ml



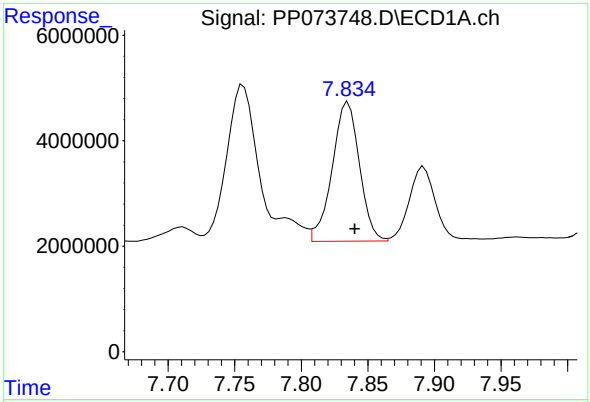
#32 AR-1260-2

R.T.: 7.477 min
Delta R.T.: -0.005 min
Response: 44151707
Conc: 460.68 ng/ml



#32 AR-1260-2

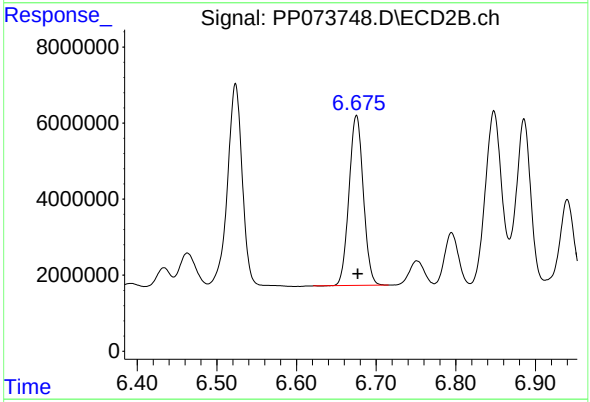
R.T.: 6.523 min
Delta R.T.: -0.002 min
Response: 68133037
Conc: 554.66 ng/ml



#33 AR-1260-3

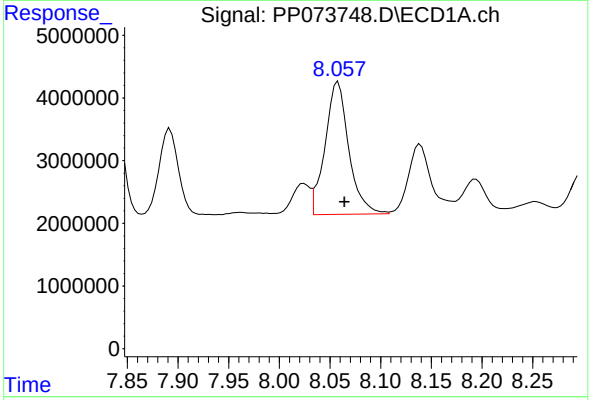
R.T.: 7.835 min
Delta R.T.: -0.005 min
Response: 37597734
Conc: 514.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



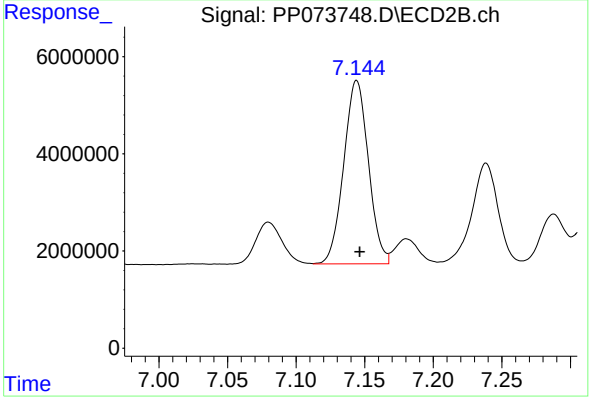
#33 AR-1260-3

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 55810927
Conc: 509.86 ng/ml



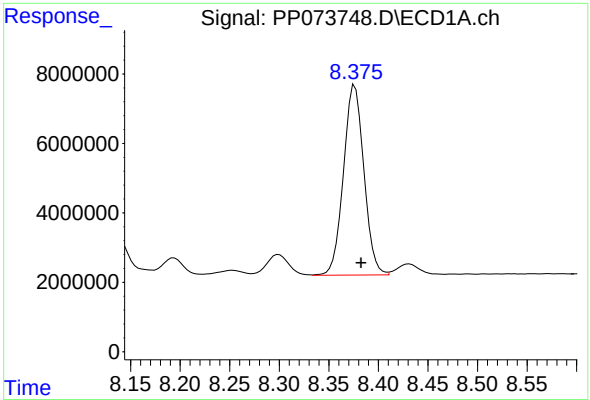
#34 AR-1260-4

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 34475608
Conc: 527.96 ng/ml



#34 AR-1260-4

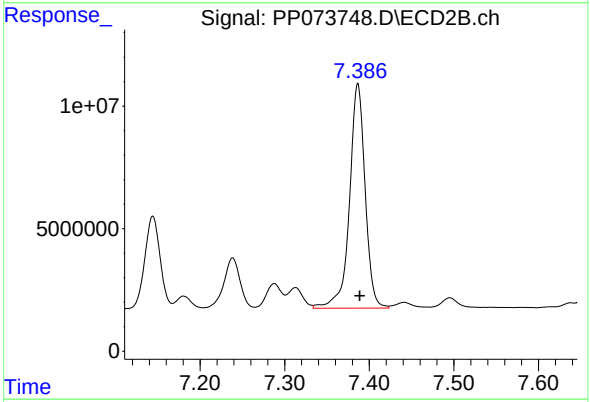
R.T.: 7.144 min
Delta R.T.: -0.002 min
Response: 47305706
Conc: 529.10 ng/ml



#35 AR-1260-5

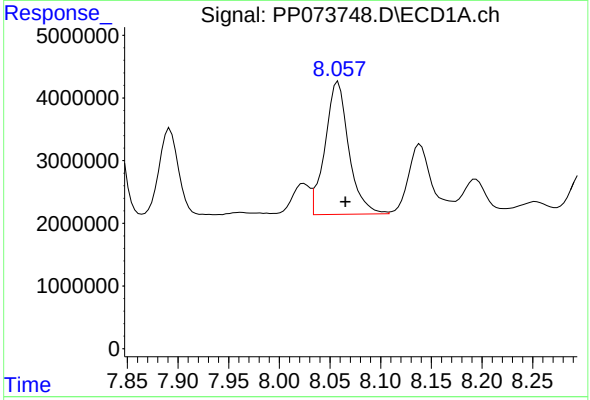
R.T.: 8.376 min
Delta R.T.: -0.006 min
Response: 78367978
Conc: 519.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



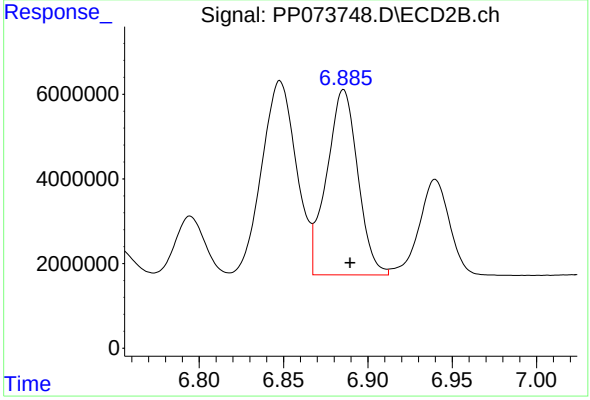
#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: -0.002 min
Response: 117706440
Conc: 523.75 ng/ml



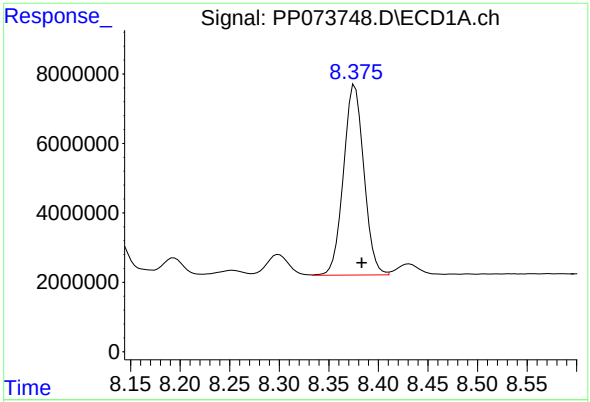
#36 AR-1262-1

R.T.: 8.058 min
Delta R.T.: -0.007 min
Response: 34475608
Conc: 396.15 ng/ml



#36 AR-1262-1

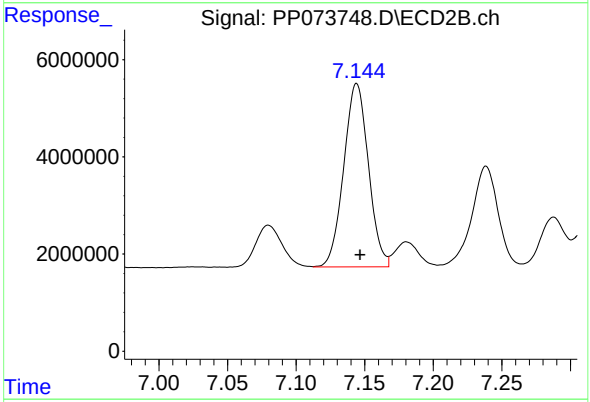
R.T.: 6.886 min
Delta R.T.: -0.004 min
Response: 56223011
Conc: 380.68 ng/ml



#37 AR-1262-2

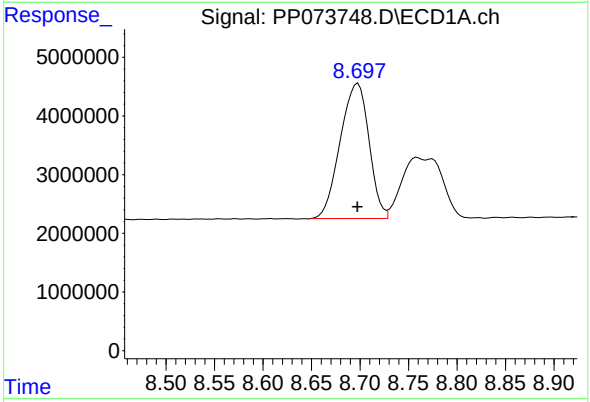
R.T.: 8.376 min
Delta R.T.: -0.007 min
Response: 78367978
Conc: 395.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



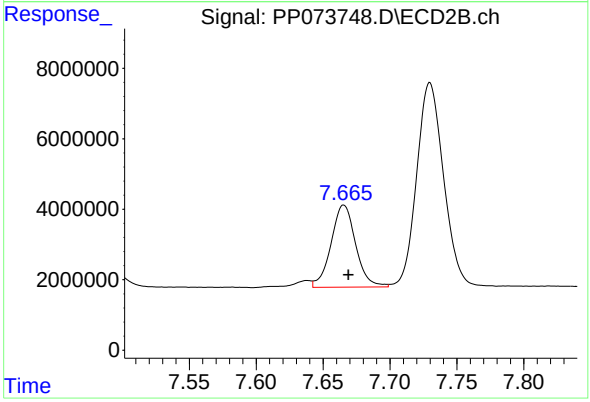
#37 AR-1262-2

R.T.: 7.144 min
Delta R.T.: -0.003 min
Response: 47305706
Conc: 370.07 ng/ml



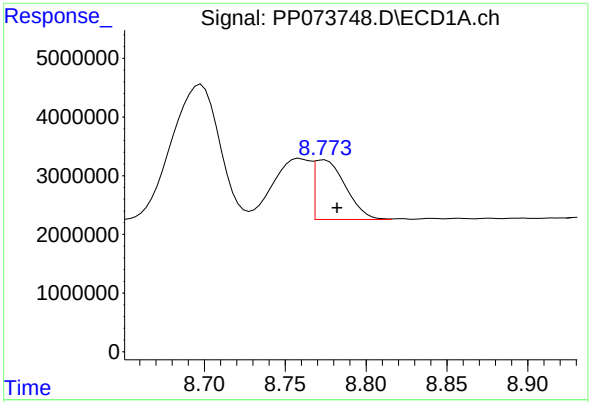
#38 AR-1262-3

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 47504334
Conc: 377.84 ng/ml



#38 AR-1262-3

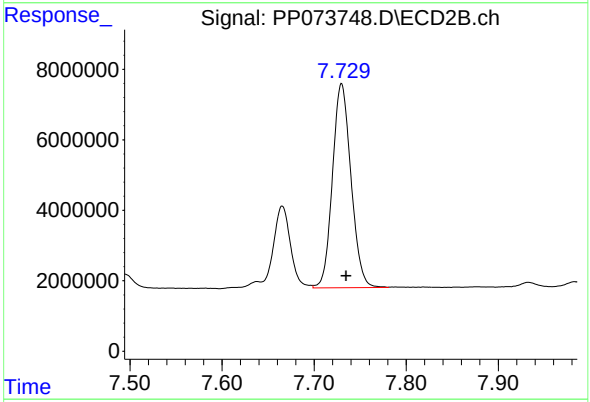
R.T.: 7.665 min
Delta R.T.: -0.003 min
Response: 29882126
Conc: 262.08 ng/ml



#39 AR-1262-4

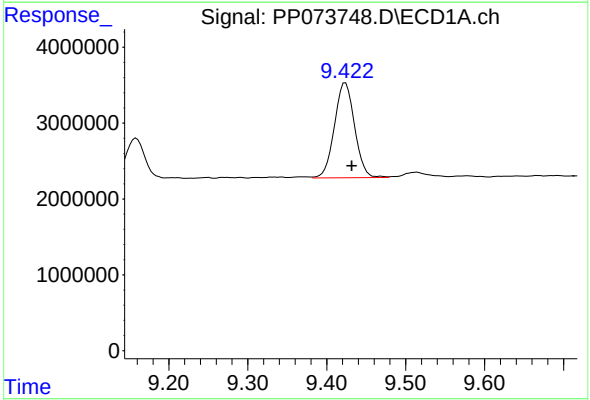
R.T.: 8.774 min
Delta R.T.: -0.008 min
Response: 13545917
Conc: 145.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



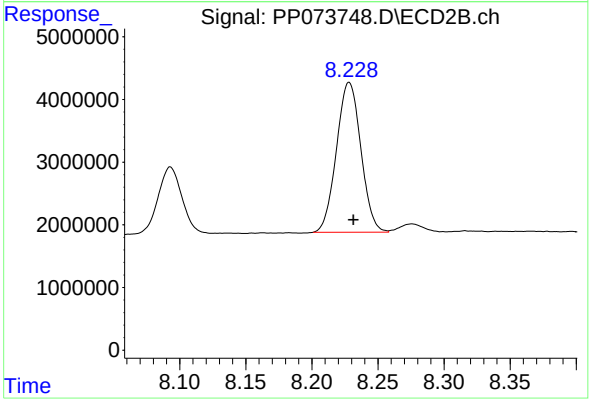
#39 AR-1262-4

R.T.: 7.730 min
Delta R.T.: -0.005 min
Response: 81015162
Conc: 440.18 ng/ml



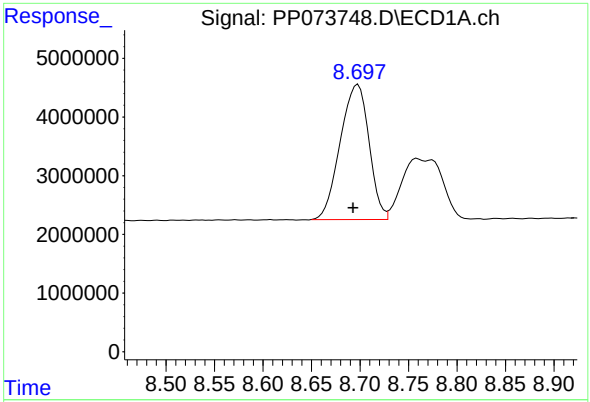
#40 AR-1262-5

R.T.: 9.424 min
Delta R.T.: -0.008 min
Response: 22234026
Conc: 350.75 ng/ml



#40 AR-1262-5

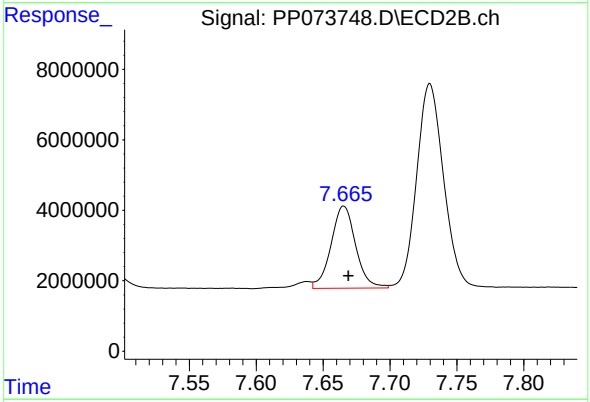
R.T.: 8.228 min
Delta R.T.: -0.003 min
Response: 30752073
Conc: 364.21 ng/ml



#41 AR-1268-1

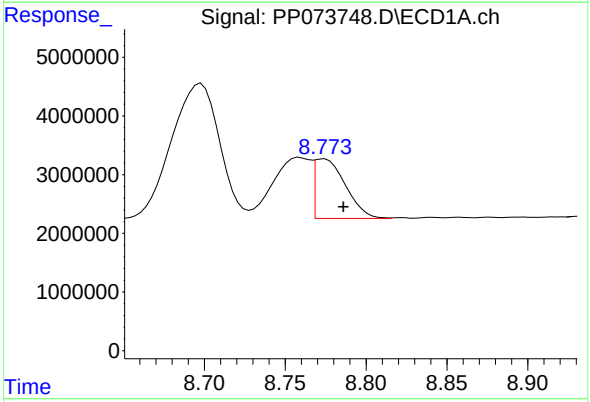
R.T.: 8.698 min
Delta R.T.: 0.005 min
Response: 47504334
Conc: 212.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



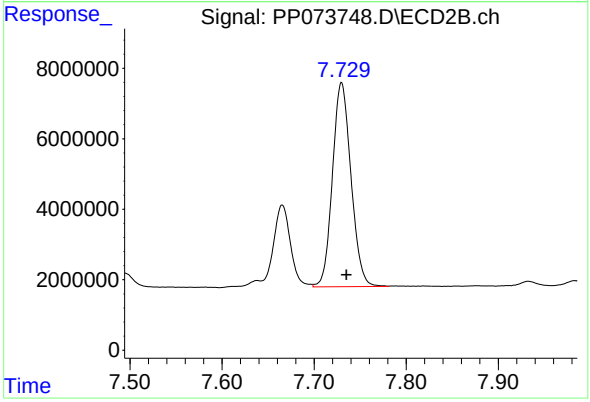
#41 AR-1268-1

R.T.: 7.665 min
Delta R.T.: -0.003 min
Response: 29882126
Conc: 97.22 ng/ml



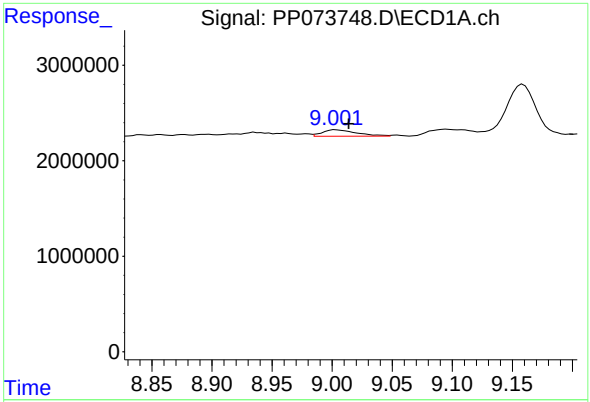
#42 AR-1268-2

R.T.: 8.774 min
Delta R.T.: -0.012 min
Response: 13545917
Conc: 71.11 ng/ml



#42 AR-1268-2

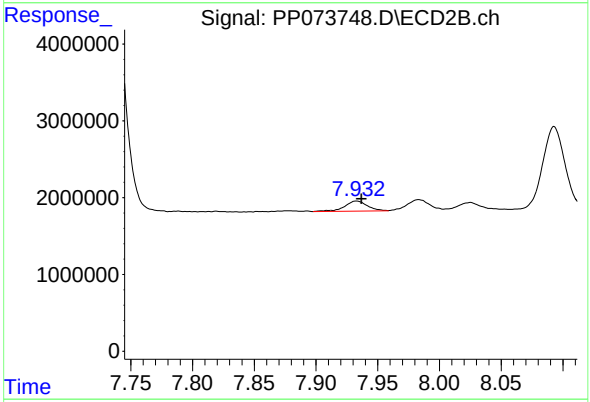
R.T.: 7.730 min
Delta R.T.: -0.006 min
Response: 81015162
Conc: 304.93 ng/ml



#43 AR-1268-3

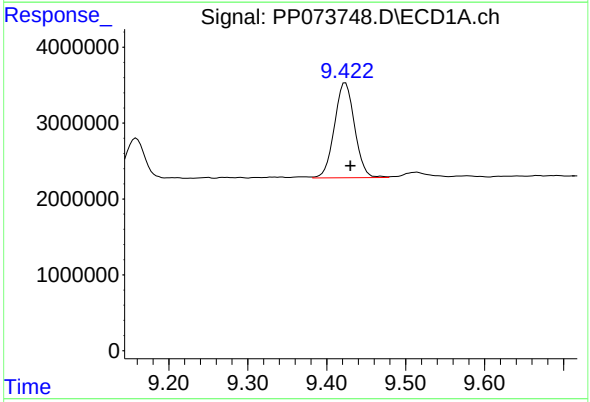
R.T.: 9.003 min
Delta R.T.: -0.011 min
Response: 1339286
Conc: 8.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



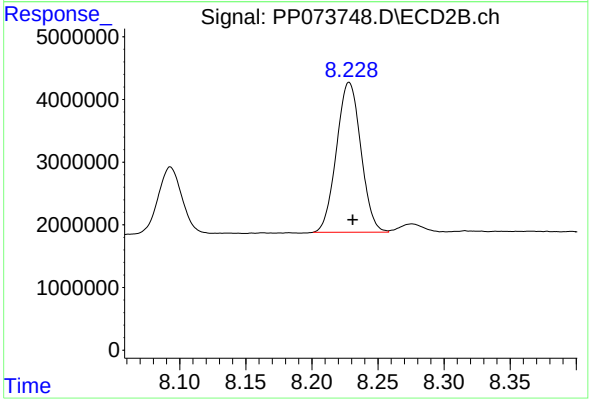
#43 AR-1268-3

R.T.: 7.933 min
Delta R.T.: -0.004 min
Response: 1705567
Conc: 7.56 ng/ml



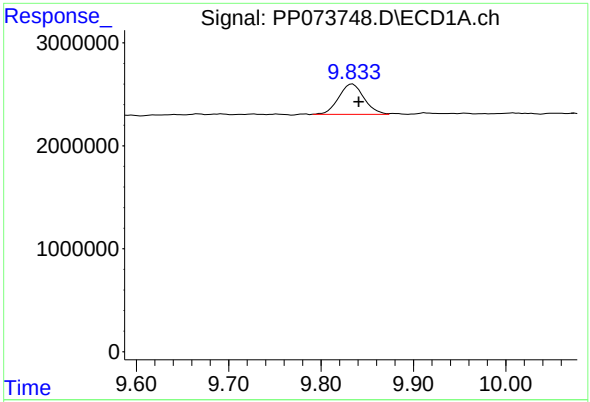
#44 AR-1268-4

R.T.: 9.424 min
Delta R.T.: -0.007 min
Response: 22234026
Conc: 319.71 ng/ml



#44 AR-1268-4

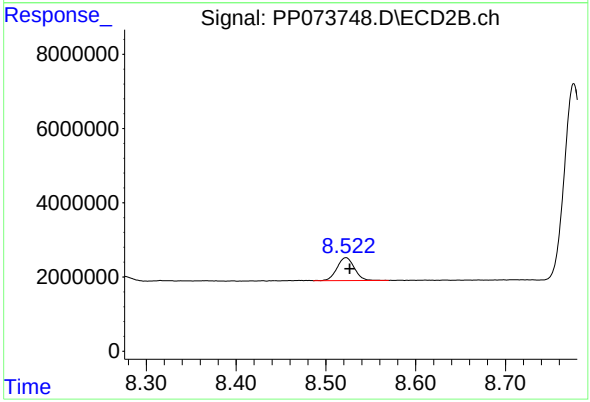
R.T.: 8.228 min
Delta R.T.: -0.003 min
Response: 30752073
Conc: 330.78 ng/ml



#45 AR-1268-5

R.T.: 9.834 min
Delta R.T.: -0.007 min
Response: 5597473
Conc: 12.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.522 min
Delta R.T.: -0.004 min
Response: 8254711
Conc: 13.39 ng/ml