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

Cover Page

Order ID : Q2638

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2638-01	OU4-TS-31-071725
Q2638-02	OU4-TS-31-071725
Q2638-03	OU4-TS-32-071725
Q2638-04	OU4-TS-32-071725
Q2638-05	OU4-TS-33-071725
Q2638-06	OU4-TS-33-071725
Q2638-07	OU4-TS-34-071725
Q2638-08	OU4-TS-34-071725
Q2638-09	OU4-TS-35-071725
Q2638-10	OU4-TS-35-071725
Q2638-11	OU4-TS-36-071725
Q2638-12	OU4-TS-36-071725
Q2638-13	OU4-TS-37-071725
Q2638-14	OU4-TS-37-071725

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

Signature : _____

Date: 7/28/2025

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 # Q2638
Test Name: PCB

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 07/18/2025.

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_Q.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 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-33-071725 [Decachlorobiphenyl(1)59%] and OU4-TS-36-071725 [Decachlorobiphenyl(1)59%]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 File ID PP073987.D met the requirements except for Decachlorobiphenyl is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

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

The Continuous Calibration File ID PP074002.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing in 2nd column therefore no corrective action taken.

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:
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_____

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: Q2638 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 File ID PP073987.D met the requirements except for Decachlorobiphenyl is failing in 2nd column however it is passing in 1st column therefore no corrective action taken. The Continuous Calibration File ID PP074002.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing in 2nd column therefore no corrective action taken.			✓
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-33-071725 [Decachlorobiphenyl(1)59%] and OU4-TS-36-071725 [Decachlorobiphenyl(1)59%]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:

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

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 Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2638**

	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:** **07/28/2025**

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

LAB CHRONICLE

OrderID:	Q2638	**OrderDate:**	7/18/2025 10:07:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2638-01	**OU4-TS-31-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/23/25	
			PCB	8082A		07/21/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-01RE	**OU4-TS-31-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-03	**OU4-TS-32-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/23/25	
			PCB	8082A		07/21/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-05	**OU4-TS-33-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-05RE	**OU4-TS-33-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-07	**OU4-TS-34-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-07RE	**OU4-TS-34-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-09	**OU4-TS-35-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/23/25	
			PCB	8082A		07/21/25	07/21/25	

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

LAB CHRONICLE

			Pesticide-TCL	8081B		07/21/25	07/21/25
Q2638-11	**OU4-TS-36-071725**	**SOIL**			**07/17/25**		**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25
			PCB	8082A		07/21/25	07/21/25
			Pesticide-TCL	8081B		07/21/25	07/21/25
Q2638-13	**OU4-TS-37-071725**	**SOIL**			**07/17/25**		**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25
			PCB	8082A		07/21/25	07/21/25
			Pesticide-TCL	8081B		07/21/25	07/21/25

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

Hit Summary Sheet
SW-846

SDG No.: Q2638 **Order ID:** Q2638

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.: Q2638

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-PP073976.D	PIBLK-PP073976.D	Tetrachloro-m-xyl	1	20	16.8	84		60	140
		Decachlorobiphen	1	20	17.6	88		60	140
		Tetrachloro-m-xyl	2	20	16.9	84		60	140
		Decachlorobiphen	2	20	19.1	96		60	140
Q2635-01MS	RT2286MS	Tetrachloro-m-xyl	1	20	16.8	84		44	130
		Decachlorobiphen	1	20	18.0	90		60	125
		Tetrachloro-m-xyl	2	20	17.9	89		44	130
		Decachlorobiphen	2	20	19.9	99		60	125
Q2635-01MSD	RT2286MSD	Tetrachloro-m-xyl	1	20	16.8	84		44	130
		Decachlorobiphen	1	20	17.8	89		60	125
		Tetrachloro-m-xyl	2	20	17.9	89		44	130
		Decachlorobiphen	2	20	19.4	97		60	125
I.BLK-PP073991.D	PIBLK-PP073991.D	Tetrachloro-m-xyl	1	20	15.8	79		60	140
		Decachlorobiphen	1	20	16.7	83		60	140
		Tetrachloro-m-xyl	2	20	17.5	87		60	140
		Decachlorobiphen	2	20	19.7	98		60	140
PB168927BL	PB168927BL	Tetrachloro-m-xyl	1	20	17.3	87		44	130
		Decachlorobiphen	1	20	18.7	94		60	125
		Tetrachloro-m-xyl	2	20	18.9	94		44	130
		Decachlorobiphen	2	20	21.9	109		60	125
PB168927BS	PB168927BS	Tetrachloro-m-xyl	1	20	18.8	94		44	130
		Decachlorobiphen	1	20	20.5	103		60	125
		Tetrachloro-m-xyl	2	20	19.3	96		44	130
		Decachlorobiphen	2	20	23.9	120		60	125
Q2638-05	OU4-TS-33-071725	Tetrachloro-m-xyl	1	20	15.3	77		44	130
		Decachlorobiphen	1	20	11.8	59	*	60	125
		Tetrachloro-m-xyl	2	20	16.9	84		44	130
		Decachlorobiphen	2	20	12.8	64		60	125
Q2638-09	OU4-TS-35-071725	Tetrachloro-m-xyl	1	20	16.1	81		44	130
		Decachlorobiphen	1	20	11.9	60		60	125
		Tetrachloro-m-xyl	2	20	17.1	86		44	130
		Decachlorobiphen	2	20	13.7	69		60	125
Q2638-11	OU4-TS-36-071725	Tetrachloro-m-xyl	1	20	15.0	75		44	130
		Decachlorobiphen	1	20	11.8	59	*	60	125
		Tetrachloro-m-xyl	2	20	16.2	81		44	130
		Decachlorobiphen	2	20	13.7	69		60	125
Q2638-13	OU4-TS-37-071725	Tetrachloro-m-xyl	1	20	19.1	95		44	130

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

Surrogate Summary

SDG No.: Q2638

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2638-13	OU4-TS-37-071725	Decachlorobiphen	1	20	15.4	77		60	125
		Tetrachloro-m-xyl	2	20	19.6	98		44	130
		Decachlorobiphen	2	20	17.8	89		60	125
I.BLK-PP074006.D	PIBLK-PP074006.D	Tetrachloro-m-xyl	1	20	15.8	79		60	140
		Decachlorobiphen	1	20	17.1	85		60	140
		Tetrachloro-m-xyl	2	20	17.4	87		60	140
		Decachlorobiphen	2	20	19.3	97		60	140
I.BLK-PQ070550.D	PIBLK-PQ070550.D	Tetrachloro-m-xyl	1	20	14.9	75		60	140
		Decachlorobiphen	1	20	17.0	85		60	140
		Tetrachloro-m-xyl	2	20	15.6	78		60	140
		Decachlorobiphen	2	20	17.5	88		60	140
I.BLK-PQ070585.D	PIBLK-PQ070585.D	Tetrachloro-m-xyl	1	20	16.4	82		60	140
		Decachlorobiphen	1	20	17.8	89		60	140
		Tetrachloro-m-xyl	2	20	16.7	83		60	140
		Decachlorobiphen	2	20	17.6	88		60	140
Q2638-01	OU4-TS-31-071725	Tetrachloro-m-xyl	1	20	14.5	72		44	130
		Decachlorobiphen	1	20	18.9	95		60	125
		Tetrachloro-m-xyl	2	20	13.5	67		44	130
		Decachlorobiphen	2	20	14.8	74		60	125
Q2638-03	OU4-TS-32-071725	Tetrachloro-m-xyl	1	20	14.9	75		44	130
		Decachlorobiphen	1	20	19.2	96		60	125
		Tetrachloro-m-xyl	2	20	14.1	70		44	130
		Decachlorobiphen	2	20	15.8	79		60	125
Q2638-07	OU4-TS-34-071725	Tetrachloro-m-xyl	1	20	15.7	78		44	130
		Decachlorobiphen	1	20	17.8	89		60	125
		Tetrachloro-m-xyl	2	20	14.6	73		44	130
		Decachlorobiphen	2	20	14.8	74		60	125
I.BLK-PQ070600.D	PIBLK-PQ070600.D	Tetrachloro-m-xyl	1	20	20.5	102		60	140
		Decachlorobiphen	1	20	24.6	123		60	140
		Tetrachloro-m-xyl	2	20	19.8	99		60	140
		Decachlorobiphen	2	20	22.5	113		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.: Q2638 **Analytical Method:** 8082A

Client: Nobis Group **DataFile :** PP073984.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2635-01MS (Column 1)**	**Client Sample ID:**		**RT2286MS**								
	AR1016	196.2	0	177	ug/kg	90				47	134	
	AR1260	196.2	66.9	214	ug/kg	75				53	140	
Lab Sample ID:	**Q2635-01MS (Column 2)**	**Client Sample ID:**		**RT2286MS**								
	AR1016	196.2	0	174	ug/kg	89				47	134	
	AR1260	196.2	67.6	212	ug/kg	108				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.: Q2638 **Analytical Method:** 8082A

Client: Nobis Group **DataFile :** PP073985.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2635-01MSD (Column 1)**	**Client Sample ID:**		**RT2286MSD**								
	AR1016	196.4	0	177	ug/kg	90		0		47	134	20
	AR1260	196.4	66.9	210	ug/kg	73		3		53	140	20
Lab Sample ID:	**Q2635-01MSD (Column 2)**	**Client Sample ID:**		**RT2286MSD**								
	AR1016	196.4	0	174	ug/kg	89		0		47	134	20
	AR1260	196.4	67.6	211	ug/kg	107		1		53	140	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2638 **Analytical Method:** 8082A

Client: Nobis Group **Datafile :** PP073993.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168927BS (Column 1)	AR1016	166.6	139	ug/kg	83				47	134	
	AR1260	166.6	135	ug/kg	81				53	140	
PB168927BS (Column 2)	AR1016	166.6	153	ug/kg	92				47	134	
	AR1260	166.6	154	ug/kg	92				53	140	

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168927BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2638

Lab Sample ID: PB168927BL | Lab File ID: PP073992.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/21/2025

Date Analyzed (1): 07/21/2025 | Date Analyzed (2): 07/21/2025

Time Analyzed (1): 16:39 | Time Analyzed (2): 16:39

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
RT2286MS	Q2635-01MS	PP073984.D	07/21/2025	07/21/2025
RT2286MSD	Q2635-01MSD	PP073985.D	07/21/2025	07/21/2025
PB168927BS	PB168927BS	PP073993.D	07/21/2025	07/21/2025
OU4-TS-33-071725	Q2638-05	PP073996.D	07/21/2025	07/21/2025
OU4-TS-35-071725	Q2638-09	PP073998.D	07/21/2025	07/21/2025
OU4-TS-36-071725	Q2638-11	PP073999.D	07/21/2025	07/21/2025
OU4-TS-37-071725	Q2638-13	PP074000.D	07/21/2025	07/21/2025
OU4-TS-31-071725	Q2638-01	PQ070590.D	07/23/2025	07/23/2025
OU4-TS-32-071725	Q2638-03	PQ070591.D	07/23/2025	07/23/2025
OU4-TS-34-071725	Q2638-07	PQ070592.D	07/23/2025	07/23/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PQ070590.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	68.4 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ070590.D	1	07/21/25 08:30	07/23/25 15:04	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	12.1	U	5.80	12.1	24.8	ug/kg
11104-28-2	Aroclor-1221	19.0	U	5.90	19.0	24.8	ug/kg
11141-16-5	Aroclor-1232	12.1	U	5.40	12.1	24.8	ug/kg
53469-21-9	Aroclor-1242	12.1	U	5.90	12.1	24.8	ug/kg
12672-29-6	Aroclor-1248	19.0	U	8.60	19.0	24.8	ug/kg
11097-69-1	Aroclor-1254	12.1	U	4.70	12.1	24.8	ug/kg
37324-23-5	Aroclor-1262	19.0	U	7.30	19.0	24.8	ug/kg
11100-14-4	Aroclor-1268	12.1	U	5.30	12.1	24.8	ug/kg
11096-82-5	Aroclor-1260	12.1	U	4.70	12.1	24.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	14.5		44 - 130		72%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		60 - 125		95%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PQ070590.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:04
Operator : YP\AJ
Sample : Q2638-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
OU4-TS-31-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:01:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.404	2.780	127.0E6	134.6E6	14.459	13.487
2)	SA Decachlor...	8.502	7.541	92793093	128.8E6	18.923	14.746
	Target Compounds						

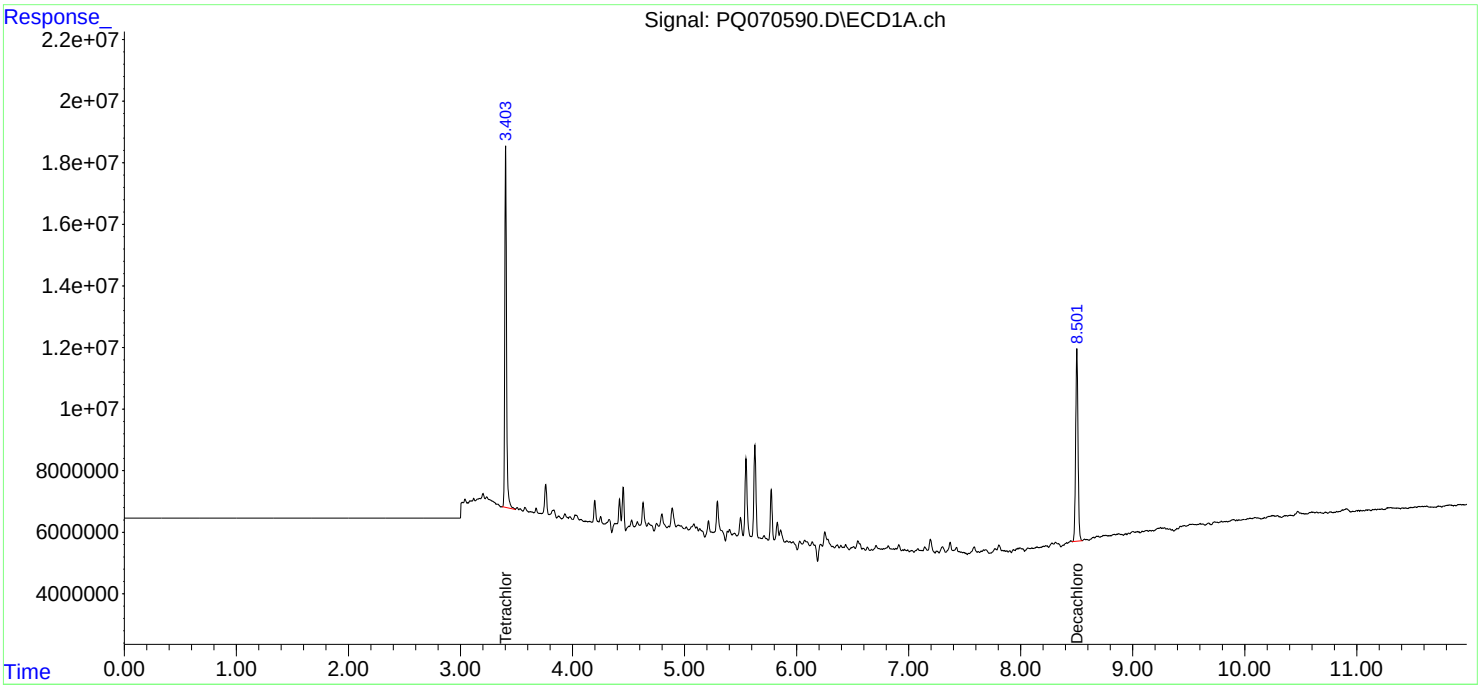
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

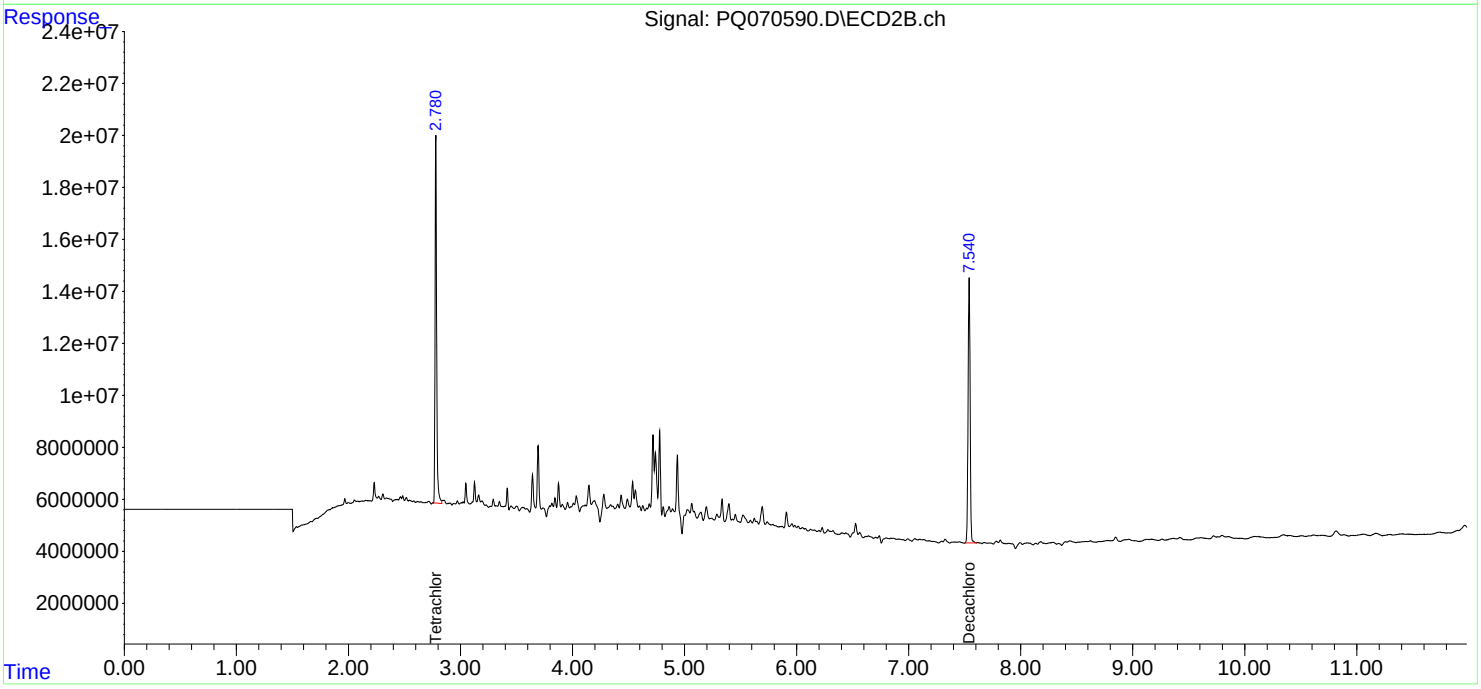
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:04
Operator : YP\AJ
Sample : Q2638-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

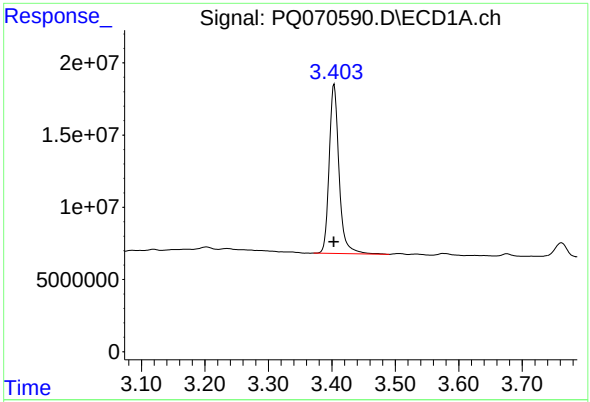
Instrument :
ECD_Q
ClientSampleId :
OU4-TS-31-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:01:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



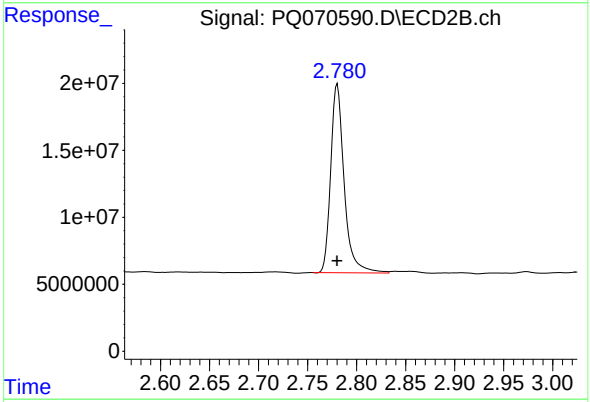




#1 Tetrachloro-m-xylene

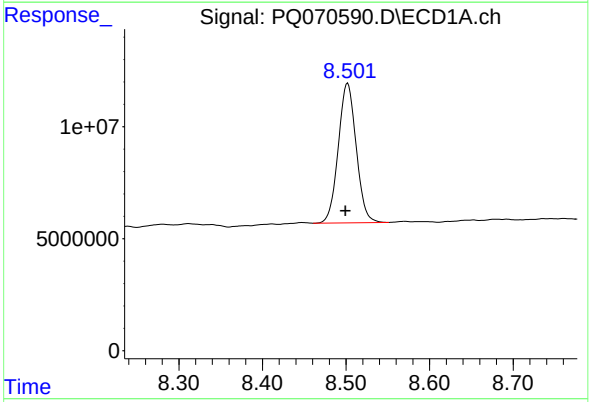
R.T.: 3.404 min
Delta R.T.: 0.000 min
Response: 127013165
Conc: 14.46 ng/ml

Instrument :
ECD_Q
ClientSampleId :
OU4-TS-31-071725



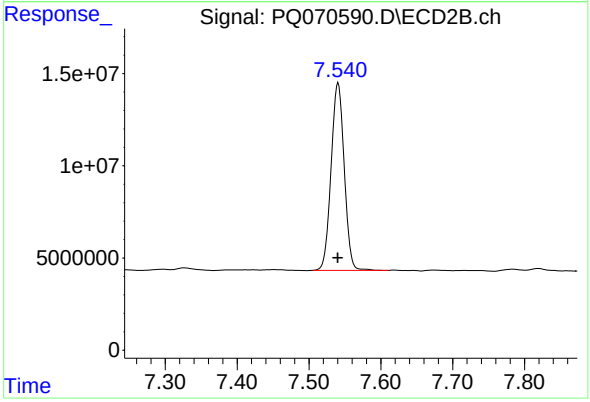
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 134585119
Conc: 13.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.502 min
Delta R.T.: 0.003 min
Response: 92793093
Conc: 18.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 128823437
Conc: 14.75 ng/ml

Raw Data: **PQ070591.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	65.1 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
PQ070591.D	1	07/21/25 08:30	07/23/25 15:19	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	12.7	U	6.10	12.7	26.0	ug/kg
11104-28-2	Aroclor-1221	19.9	U	6.20	19.9	26.0	ug/kg
11141-16-5	Aroclor-1232	12.7	U	5.70	12.7	26.0	ug/kg
53469-21-9	Aroclor-1242	12.7	U	6.10	12.7	26.0	ug/kg
12672-29-6	Aroclor-1248	19.9	U	9.10	19.9	26.0	ug/kg
11097-69-1	Aroclor-1254	12.7	U	4.90	12.7	26.0	ug/kg
37324-23-5	Aroclor-1262	19.9	U	7.70	19.9	26.0	ug/kg
11100-14-4	Aroclor-1268	12.7	U	5.50	12.7	26.0	ug/kg
11096-82-5	Aroclor-1260	12.7	U	4.90	12.7	26.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	14.9		44 - 130		75%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		60 - 125		96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PQ070591.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:19
Operator : YP\AJ
Sample : Q2638-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
OU4-TS-32-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:01:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.402	2.780	131.3E6	140.3E6	14.946	14.058
2)	SA Decachlor...	8.502	7.539	94335072	138.0E6	19.238	15.800
	Target Compounds						

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

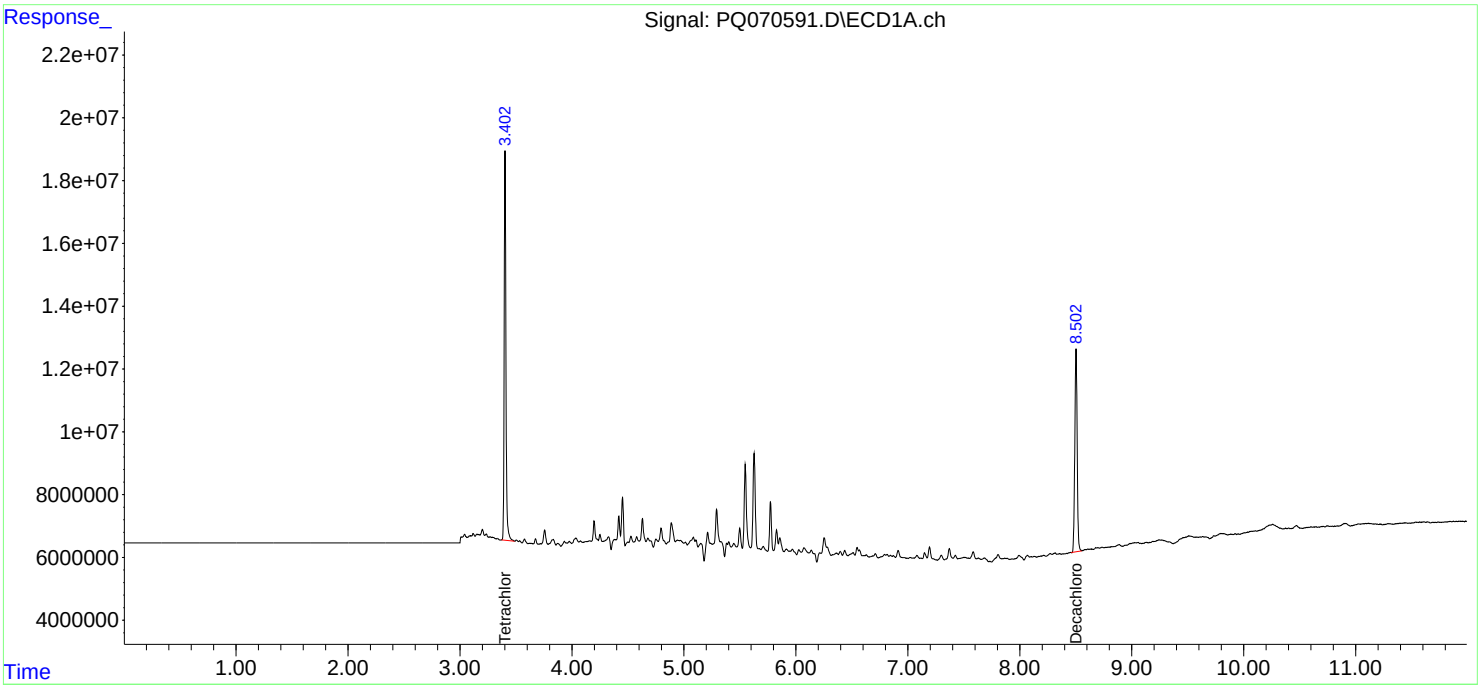
Sample Results: **PQ070591.D**

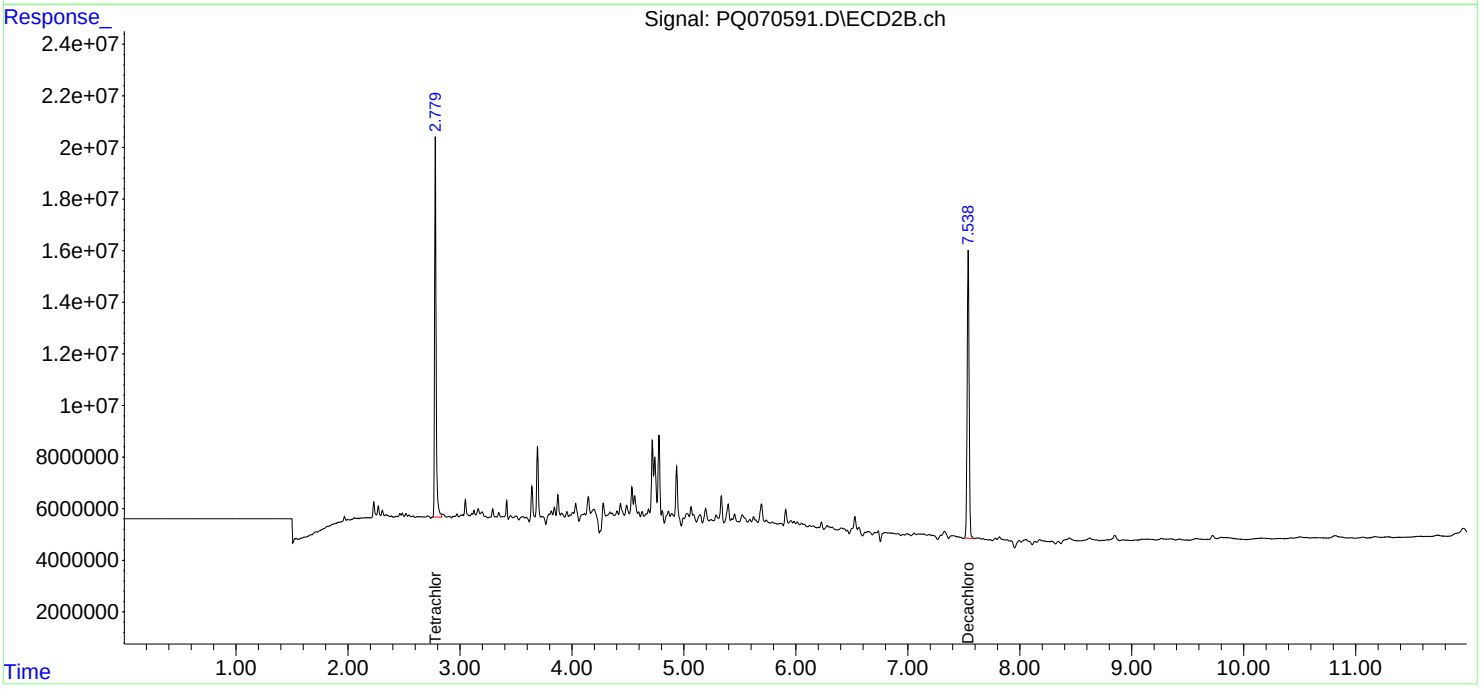
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:19
Operator : YP\AJ
Sample : Q2638-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

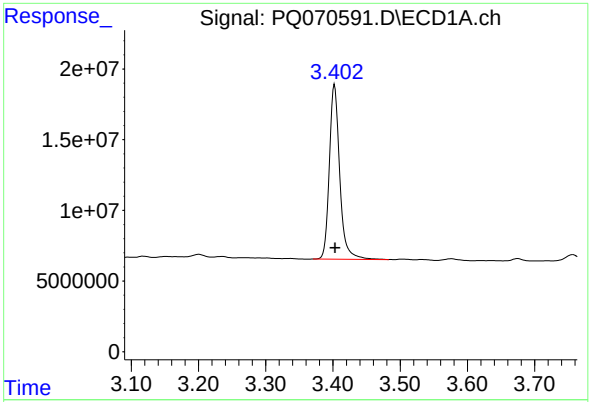
Instrument :
ECD_Q
ClientSampleId :
OU4-TS-32-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:01:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



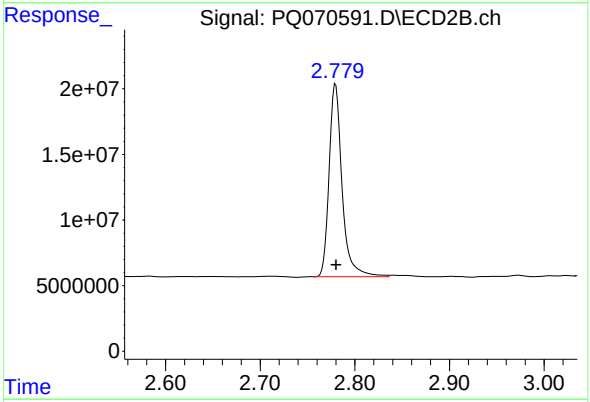




#1 Tetrachloro-m-xylene

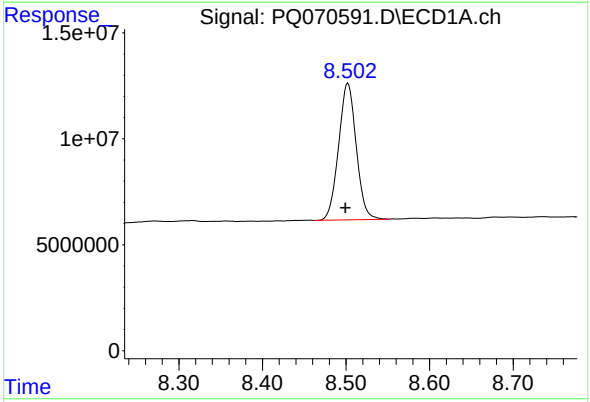
R.T.: 3.402 min
Delta R.T.: 0.000 min
Response: 131288572
Conc: 14.95 ng/ml

Instrument :
ECD_Q
ClientSampleId :
OU4-TS-32-071725



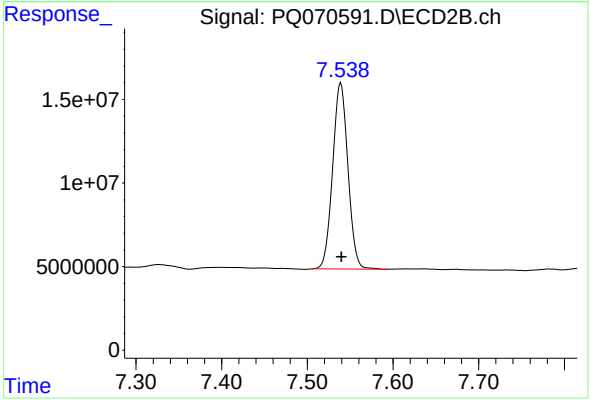
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 140280430
Conc: 14.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.502 min
Delta R.T.: 0.003 min
Response: 94335072
Conc: 19.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 138035058
Conc: 15.80 ng/ml

Raw Data: **PP073996.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	64.7 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073996.D	1	07/21/25 08:30	07/21/25 17:45	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	12.8	U	6.10	12.8	26.3	ug/kg
11104-28-2	Aroclor-1221	20.1	U	6.20	20.1	26.3	ug/kg
11141-16-5	Aroclor-1232	12.8	U	5.70	12.8	26.3	ug/kg
53469-21-9	Aroclor-1242	12.8	U	6.20	12.8	26.3	ug/kg
12672-29-6	Aroclor-1248	20.1	U	9.10	20.1	26.3	ug/kg
11097-69-1	Aroclor-1254	12.8	U	5.00	12.8	26.3	ug/kg
37324-23-5	Aroclor-1262	20.1	U	7.80	20.1	26.3	ug/kg
11100-14-4	Aroclor-1268	12.8	U	5.60	12.8	26.3	ug/kg
11096-82-5	Aroclor-1260	12.8	U	5.00	12.8	26.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.9		44 - 130		84%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		60 - 125		64%	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

Sample Results: **PP073996.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:45
Operator : YP\AJ
Sample : Q2638-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-33-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:13:47 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	3.774	20987350	31065643	15.325	16.862
2)	SA Decachlor...	10.171	8.770	12914210	16890312	11.836	12.765
	Target Compounds						

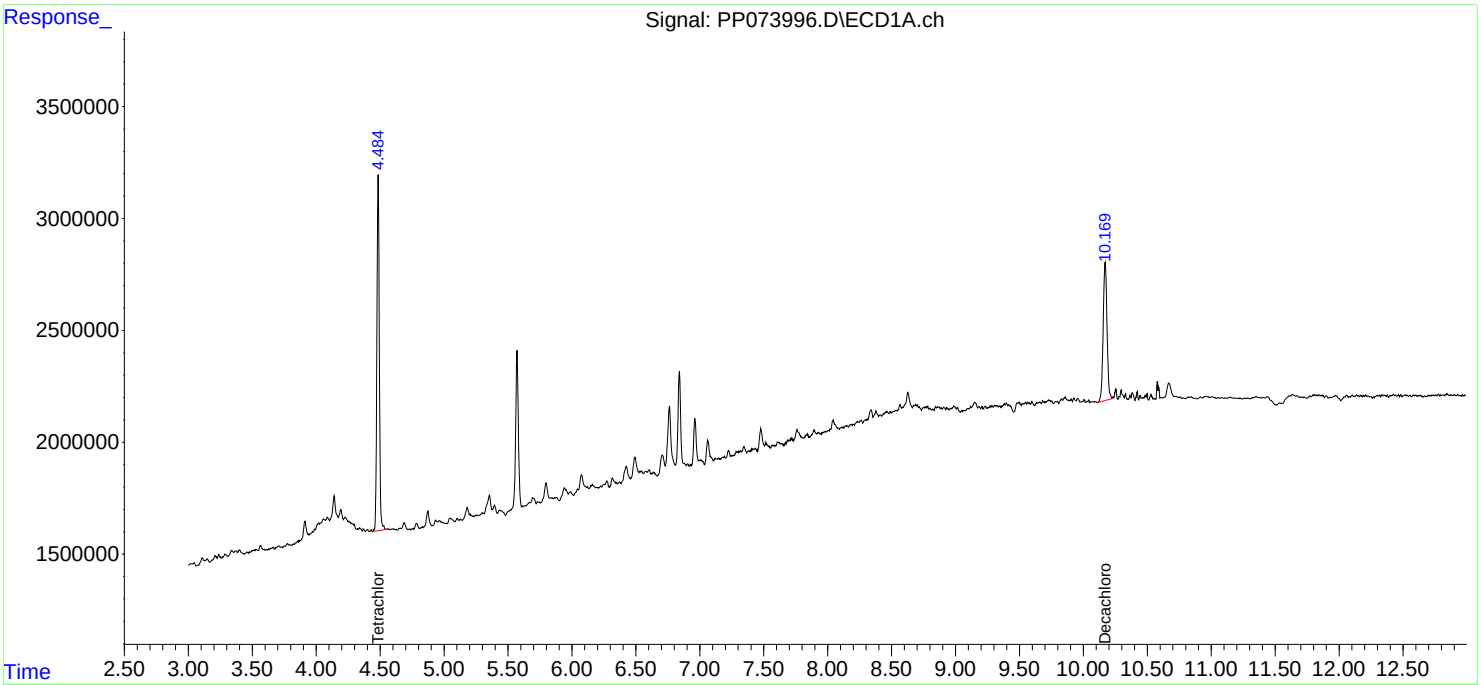
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

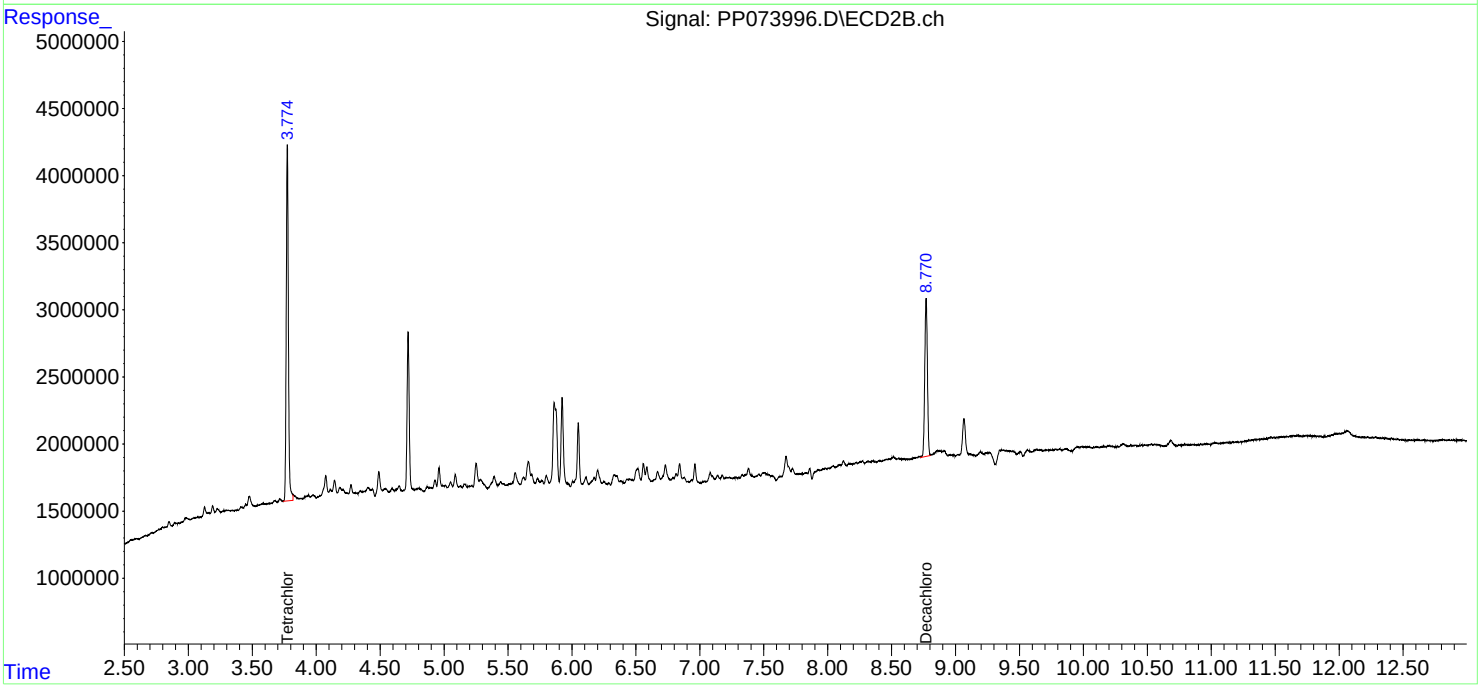
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:45
Operator : YP\AJ
Sample : Q2638-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

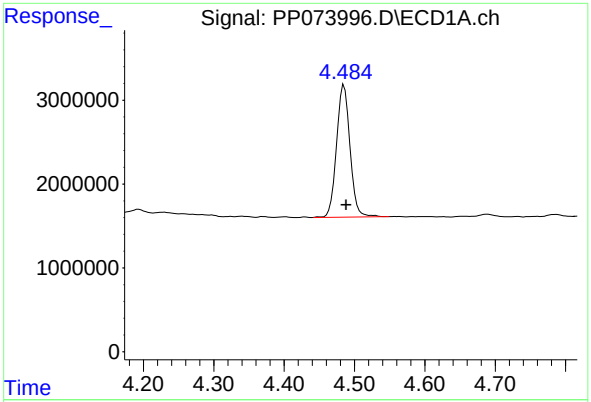
Instrument :
ECD_P
ClientSampleId :
OU4-TS-33-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:13:47 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



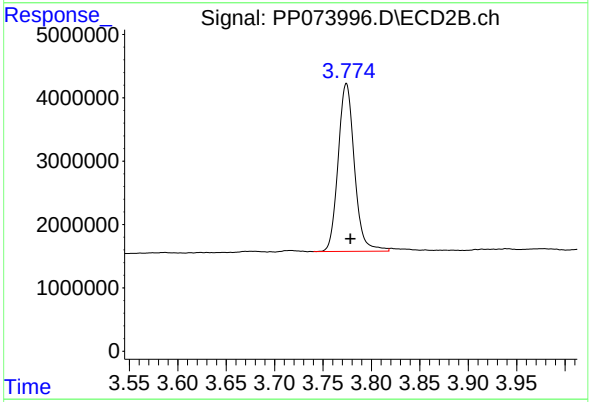




#1 Tetrachloro-m-xylene

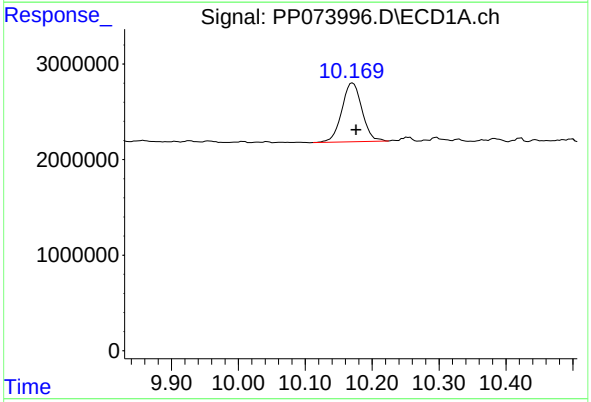
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 20987350
Conc: 15.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-33-071725



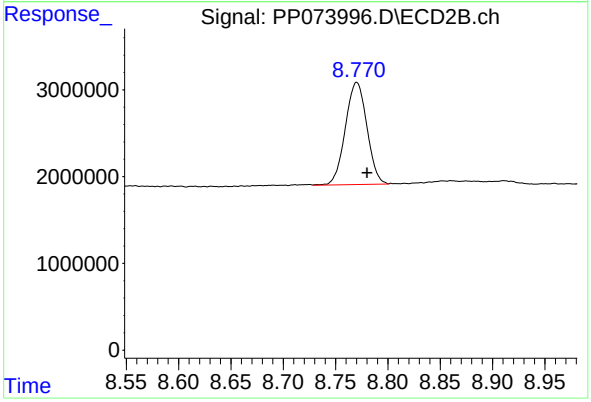
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.004 min
Response: 31065643
Conc: 16.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 12914210
Conc: 11.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.770 min
Delta R.T.: -0.010 min
Response: 16890312
Conc: 12.77 ng/ml

Raw Data: **PQ070592.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	68.5 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
PQ070592.D	1	07/21/25 08:30	07/23/25 15:33	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	12.1	U	5.80	12.1	24.8	ug/kg
11104-28-2	Aroclor-1221	18.9	U	5.90	18.9	24.8	ug/kg
11141-16-5	Aroclor-1232	12.1	U	5.40	12.1	24.8	ug/kg
53469-21-9	Aroclor-1242	12.1	U	5.80	12.1	24.8	ug/kg
12672-29-6	Aroclor-1248	18.9	U	8.60	18.9	24.8	ug/kg
11097-69-1	Aroclor-1254	12.1	U	4.70	12.1	24.8	ug/kg
37324-23-5	Aroclor-1262	18.9	U	7.30	18.9	24.8	ug/kg
11100-14-4	Aroclor-1268	12.1	U	5.20	12.1	24.8	ug/kg
11096-82-5	Aroclor-1260	12.1	U	4.70	12.1	24.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	15.7		44 - 130		78%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 125		89%	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

Sample Results: **PQ070592.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:33
Operator : YP\AJ
Sample : Q2638-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
OU4-TS-34-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:02:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	137.8E6	145.3E6	15.686	14.557
2)	SA Decachlor...	8.501	7.539	87075314	129.7E6	17.757	14.842
	Target Compounds						

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

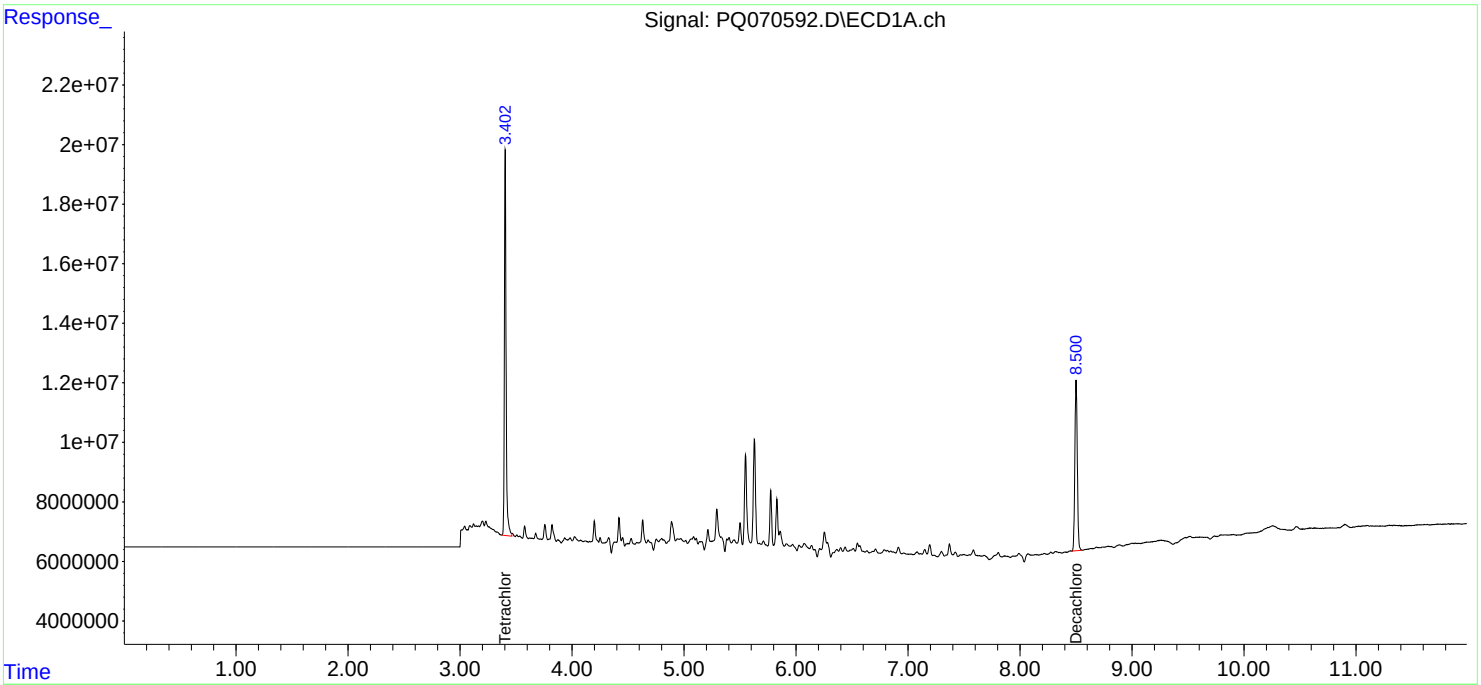
Sample Results: **PQ070592.D**

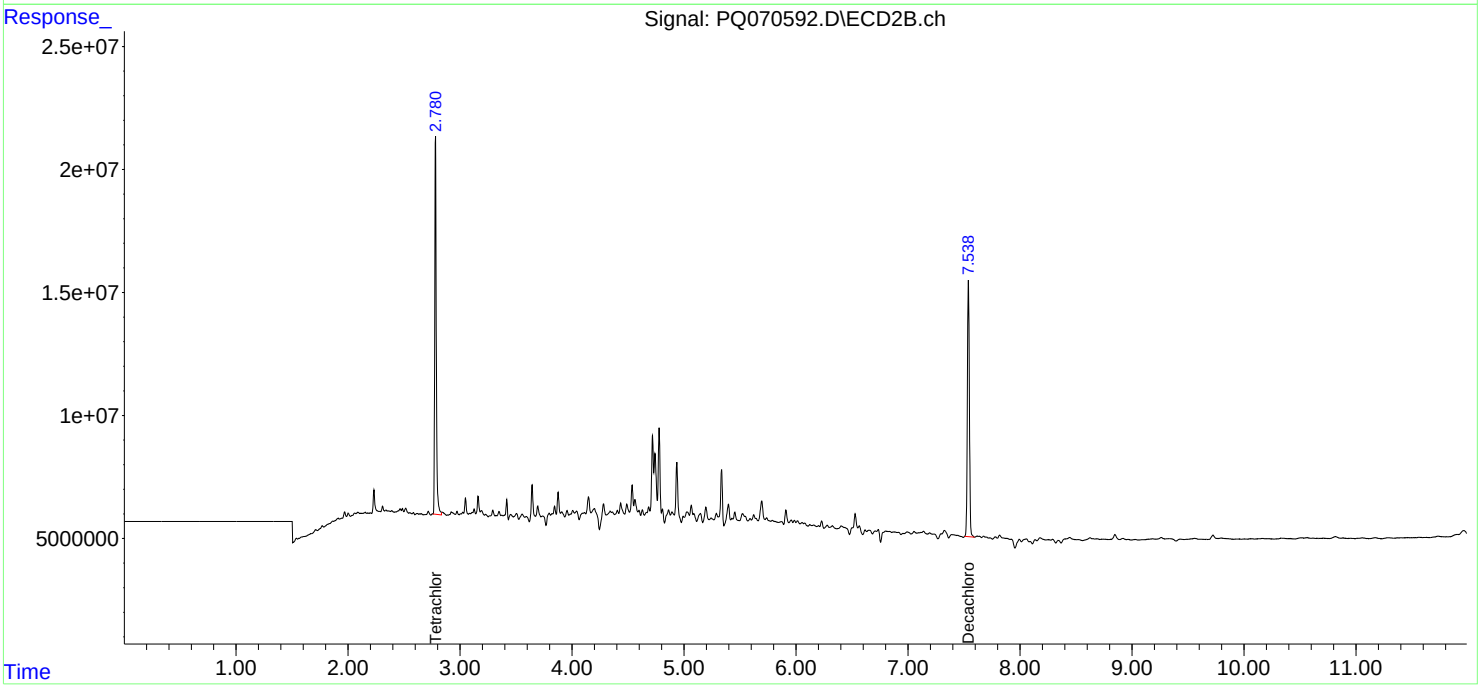
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:33
Operator : YP\AJ
Sample : Q2638-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

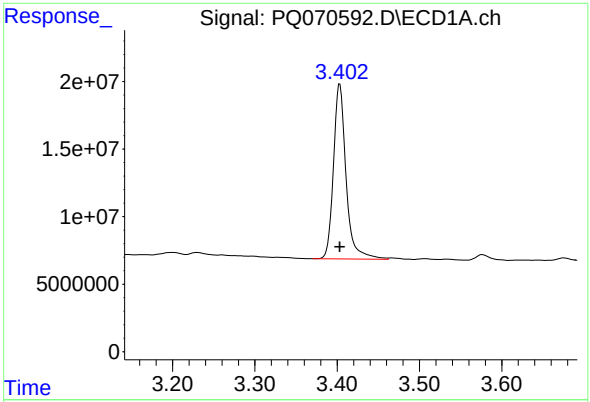
Instrument :
ECD_Q
ClientSampleId :
OU4-TS-34-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:02:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



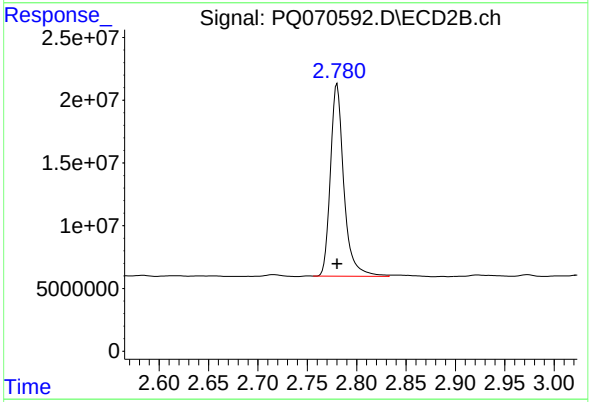




#1 Tetrachloro-m-xylene

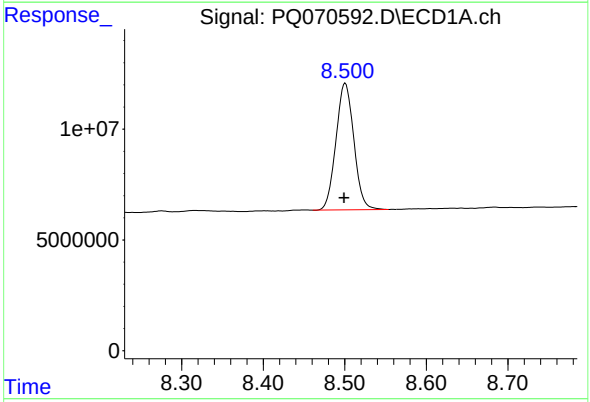
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 137788118
Conc: 15.69 ng/ml

Instrument :
ECD_Q
ClientSampleId :
OU4-TS-34-071725



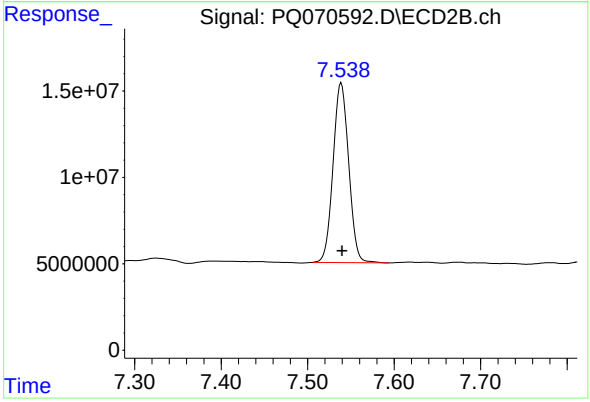
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 145262005
Conc: 14.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.001 min
Response: 87075314
Conc: 17.76 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 129667685
Conc: 14.84 ng/ml

Raw Data: **PP073998.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	82.4 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
PP073998.D	1	07/21/25 08:30	07/21/25 18:18	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	10.1	U	4.80	10.1	20.6	ug/kg
11104-28-2	Aroclor-1221	15.8	U	4.90	15.8	20.6	ug/kg
11141-16-5	Aroclor-1232	10.1	U	4.50	10.1	20.6	ug/kg
53469-21-9	Aroclor-1242	10.1	U	4.90	10.1	20.6	ug/kg
12672-29-6	Aroclor-1248	15.8	U	7.20	15.8	20.6	ug/kg
11097-69-1	Aroclor-1254	10.1	U	3.90	10.1	20.6	ug/kg
37324-23-5	Aroclor-1262	15.8	U	6.10	15.8	20.6	ug/kg
11100-14-4	Aroclor-1268	10.1	U	4.40	10.1	20.6	ug/kg
11096-82-5	Aroclor-1260	10.1	U	3.90	10.1	20.6	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.1		44 - 130		86%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.7		60 - 125		69%	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)

Sample Results: **PP073998.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:18
Operator : YP\AJ
Sample : Q2638-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-35-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:14:22 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	3.774	22092270	31521515	16.131	17.110
2)	SA Decachlor...	10.166	8.770	13008122	18158710	11.923	13.724
	Target Compounds						

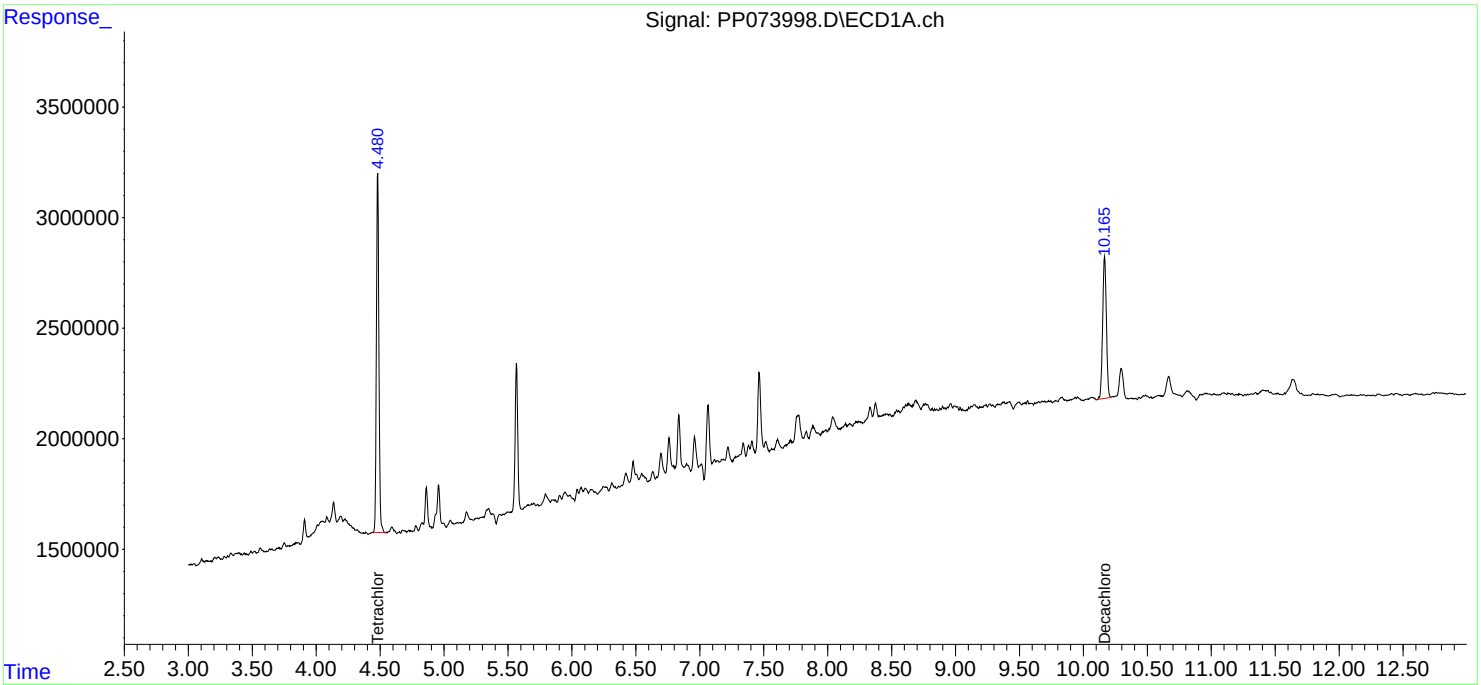
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

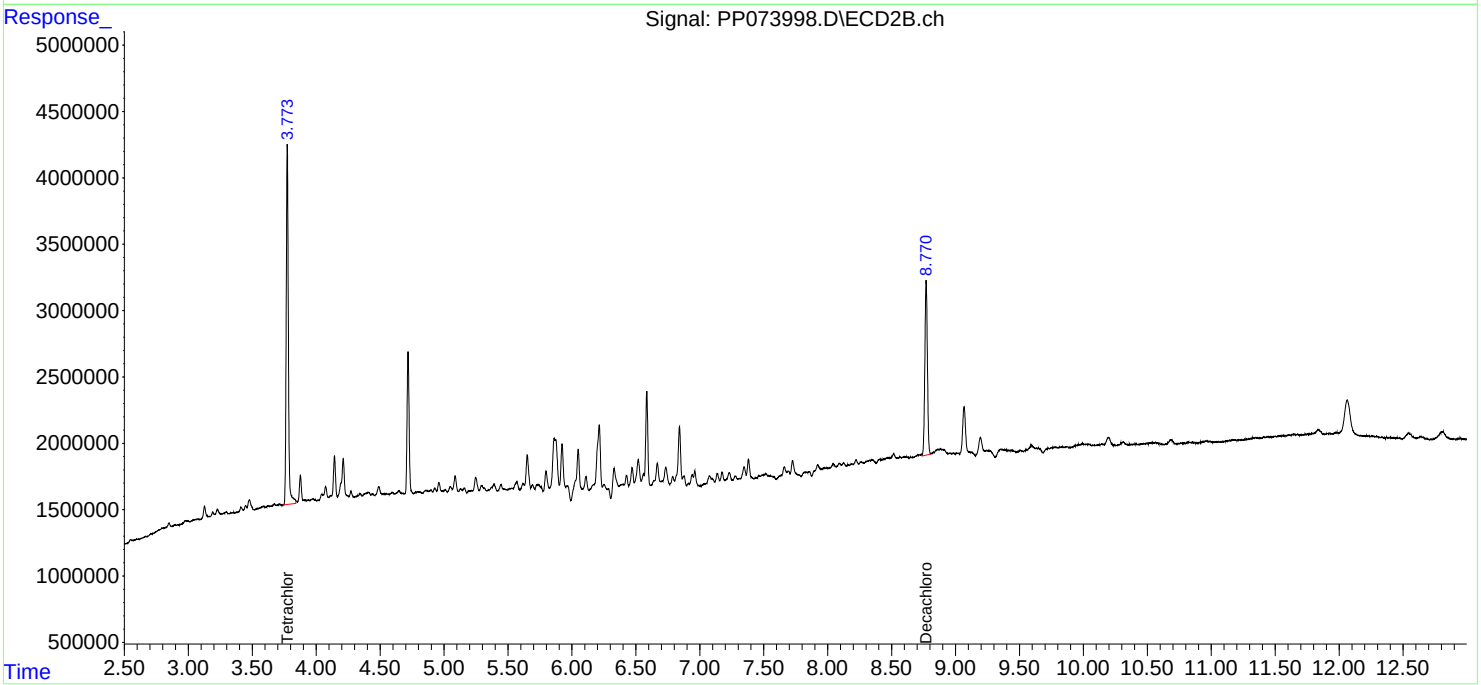
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:18
Operator : YP\AJ
Sample : Q2638-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

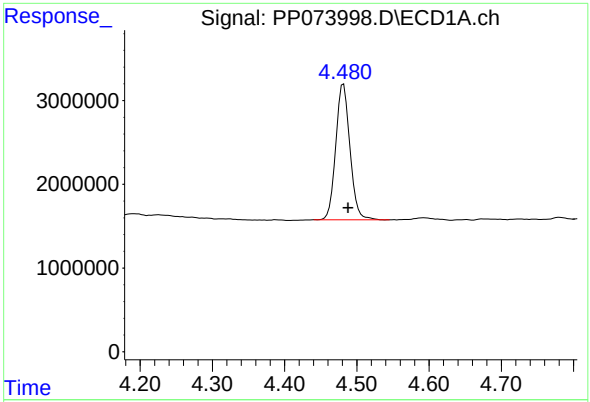
Instrument :
ECD_P
ClientSampleId :
OU4-TS-35-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:14:22 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



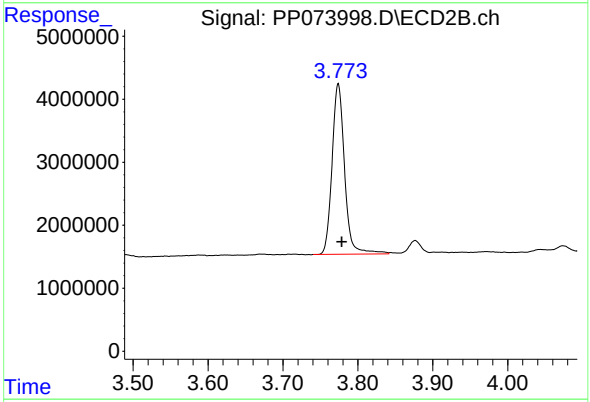




#1 Tetrachloro-m-xylene

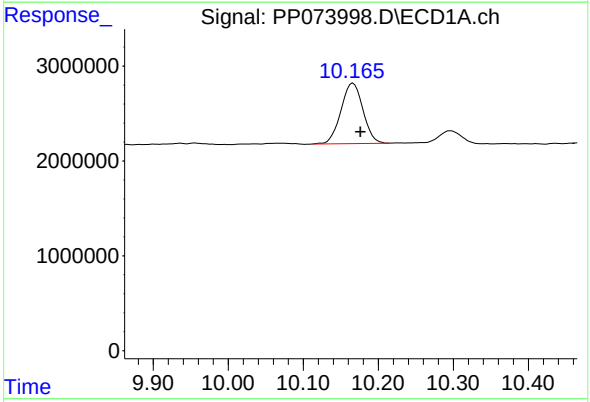
R.T.: 4.482 min
Delta R.T.: -0.006 min
Response: 22092270
Conc: 16.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-35-071725



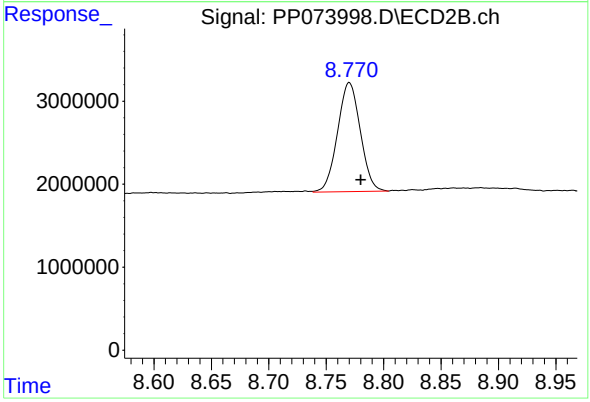
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.005 min
Response: 31521515
Conc: 17.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.166 min
Delta R.T.: -0.010 min
Response: 13008122
Conc: 11.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.770 min
Delta R.T.: -0.010 min
Response: 18158710
Conc: 13.72 ng/ml

Raw Data: **PP073999.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-11	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	81.9 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
PP073999.D	1	07/21/25 08:30	07/21/25 18:34	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	10.1	U	4.80	10.1	20.7	ug/kg
11104-28-2	Aroclor-1221	15.8	U	4.90	15.8	20.7	ug/kg
11141-16-5	Aroclor-1232	10.1	U	4.50	10.1	20.7	ug/kg
53469-21-9	Aroclor-1242	10.1	U	4.90	10.1	20.7	ug/kg
12672-29-6	Aroclor-1248	15.8	U	7.20	15.8	20.7	ug/kg
11097-69-1	Aroclor-1254	10.1	U	3.90	10.1	20.7	ug/kg
37324-23-5	Aroclor-1262	15.8	U	6.10	15.8	20.7	ug/kg
11100-14-4	Aroclor-1268	10.1	U	4.40	10.1	20.7	ug/kg
11096-82-5	Aroclor-1260	10.1	U	3.90	10.1	20.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.2		44 - 130		81%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.7		60 - 125		69%	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

Sample Results: **PP073999.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:34
Operator : YP\AJ
Sample : Q2638-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-36-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:14:41 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	3.774	20598125	29878136	15.040	16.218
2)	SA Decachlor...	10.170	8.771	12931051	18185827	11.852	13.744
	Target Compounds						

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

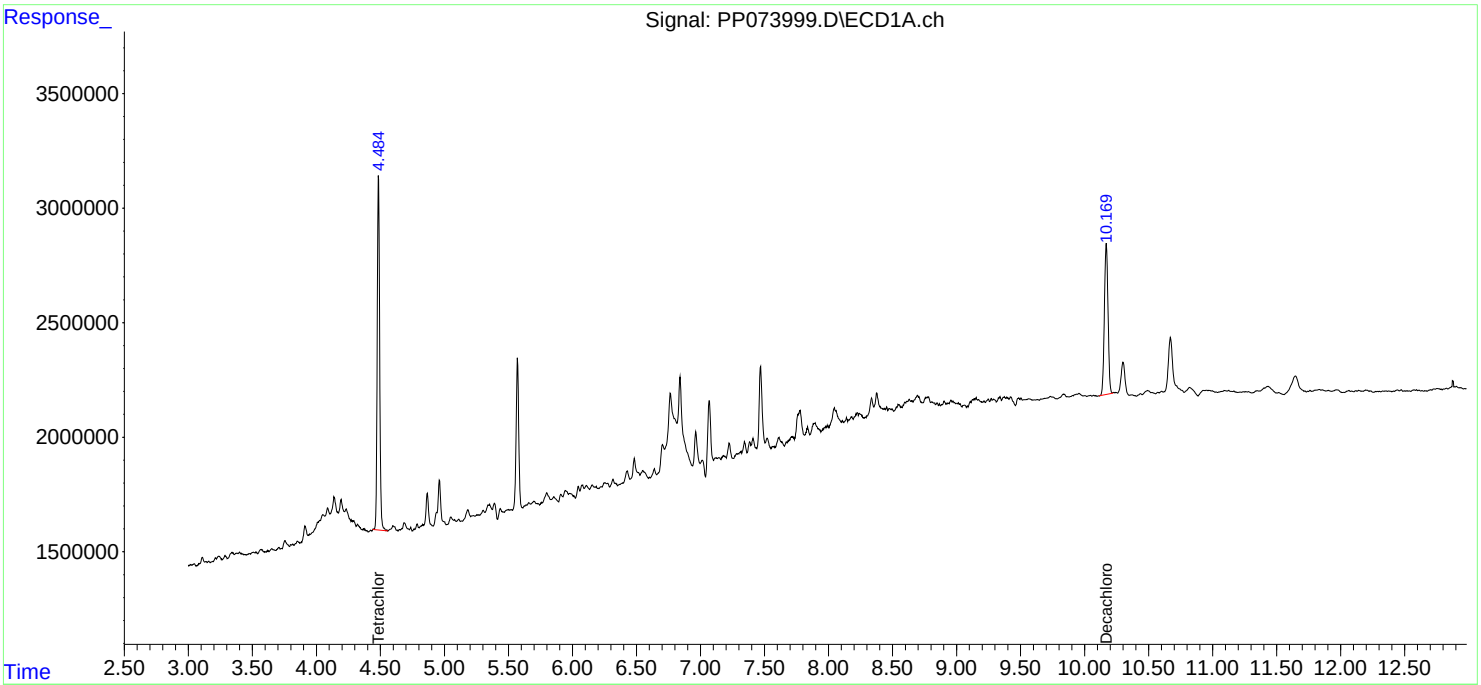
Sample Results: **PP073999.D**

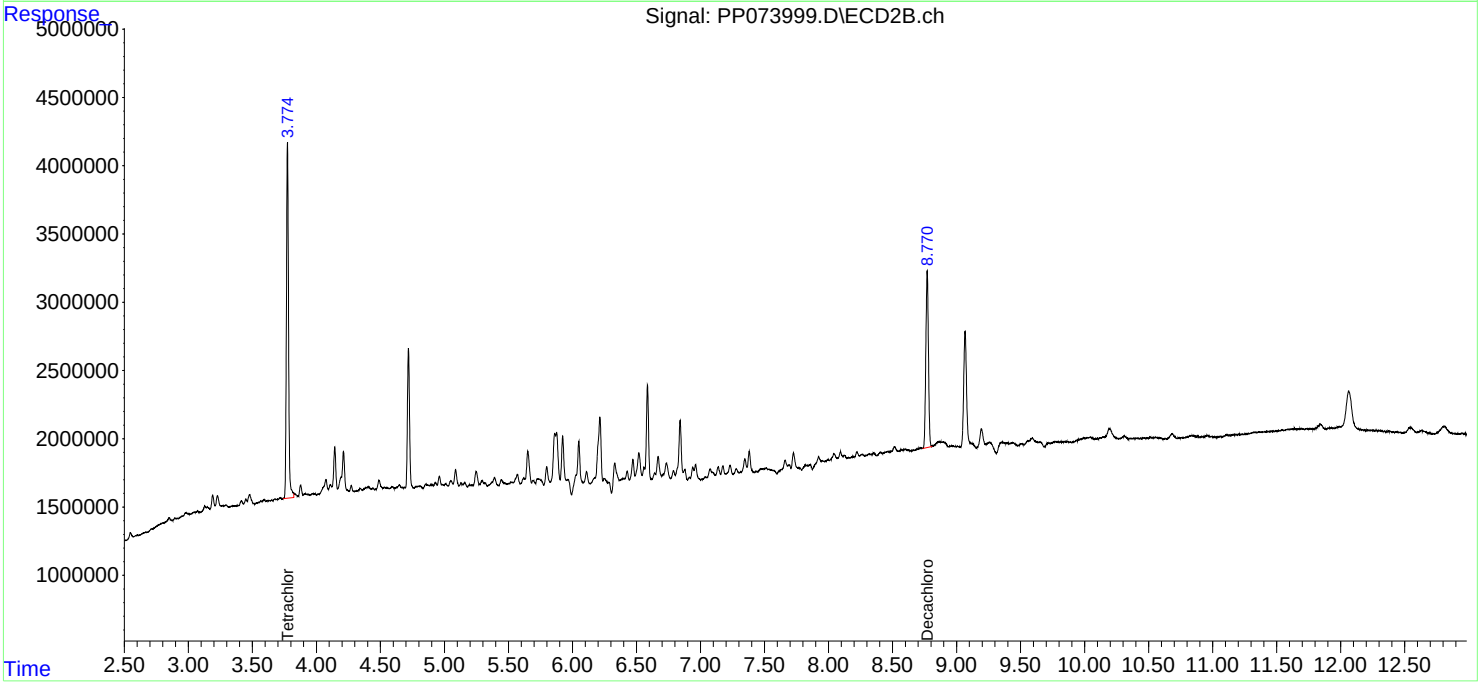
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:34
Operator : YP\AJ
Sample : Q2638-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

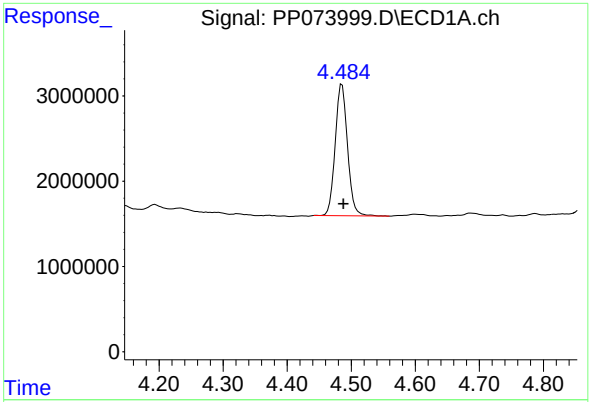
Instrument :
ECD_P
ClientSampleId :
OU4-TS-36-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:14:41 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



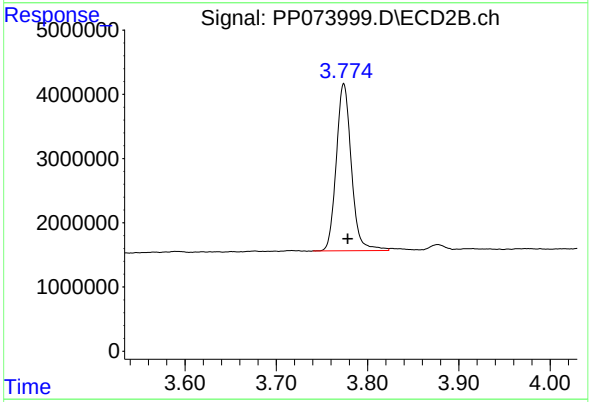




#1 Tetrachloro-m-xylene

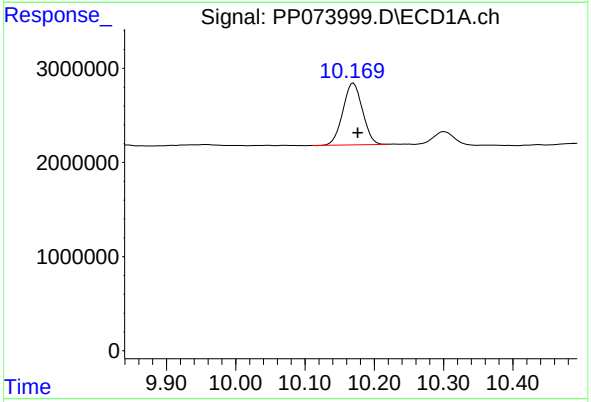
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 20598125
Conc: 15.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-36-071725



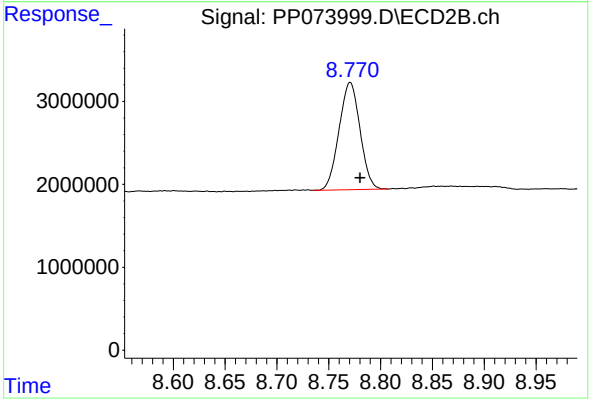
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.004 min
Response: 29878136
Conc: 16.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.170 min
Delta R.T.: -0.006 min
Response: 12931051
Conc: 11.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: -0.009 min
Response: 18185827
Conc: 13.74 ng/ml

Raw Data: **PP074000.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-13	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	81.2 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074000.D	1	07/21/25 08:30	07/21/25 18:50	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	10.2	U	4.90	10.2	20.9	ug/kg
11104-28-2	Aroclor-1221	16.0	U	5.00	16.0	20.9	ug/kg
11141-16-5	Aroclor-1232	10.2	U	4.60	10.2	20.9	ug/kg
53469-21-9	Aroclor-1242	10.2	U	4.90	10.2	20.9	ug/kg
12672-29-6	Aroclor-1248	16.0	U	7.30	16.0	20.9	ug/kg
11097-69-1	Aroclor-1254	10.2	U	4.00	10.2	20.9	ug/kg
37324-23-5	Aroclor-1262	16.0	U	6.20	16.0	20.9	ug/kg
11100-14-4	Aroclor-1268	10.2	U	4.40	10.2	20.9	ug/kg
11096-82-5	Aroclor-1260	10.2	U	4.00	10.2	20.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.6		44 - 130		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 125		89%	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

Sample Results: **PP074000.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP074000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:50
Operator : YP\AJ
Sample : Q2638-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-37-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:15:00 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	3.775	26147912	36086517	19.093	19.588
2)	SA Decachlor...	10.166	8.771	16790669	23543435	15.389	17.793
	Target Compounds						

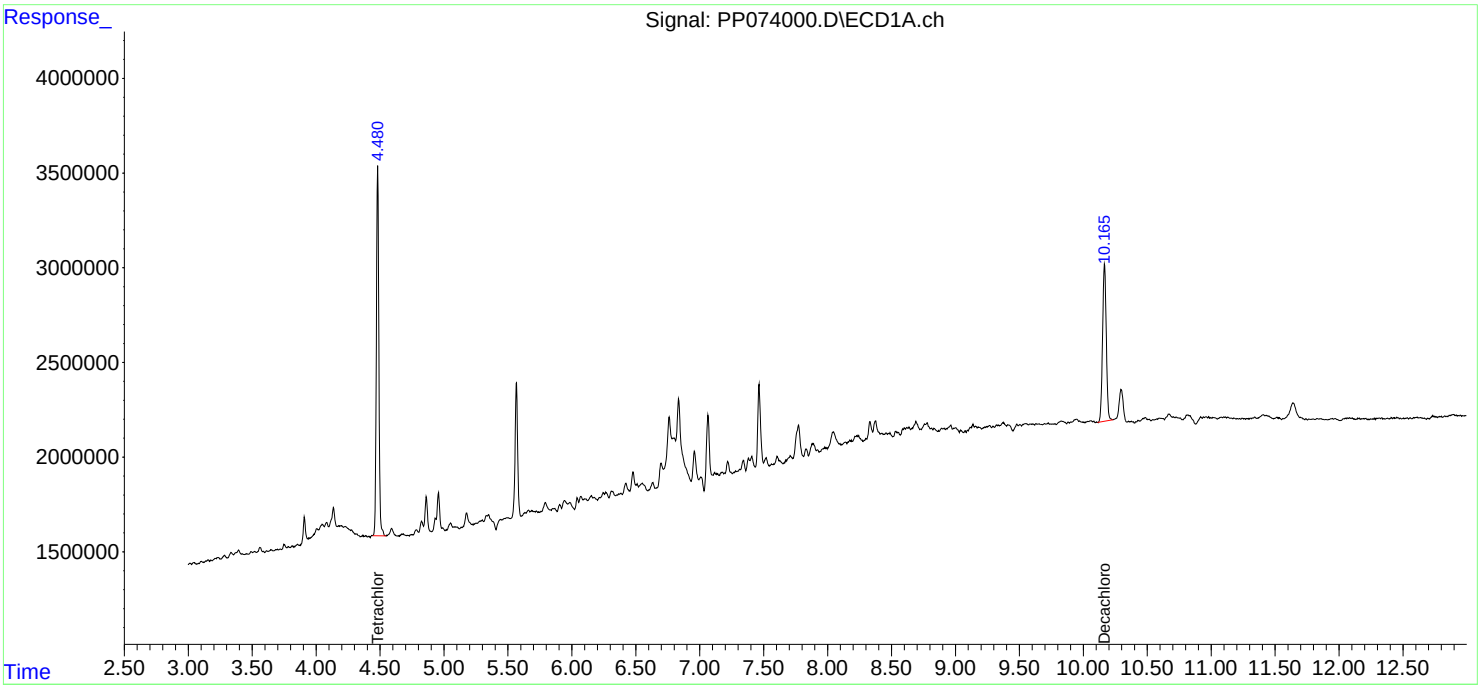
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

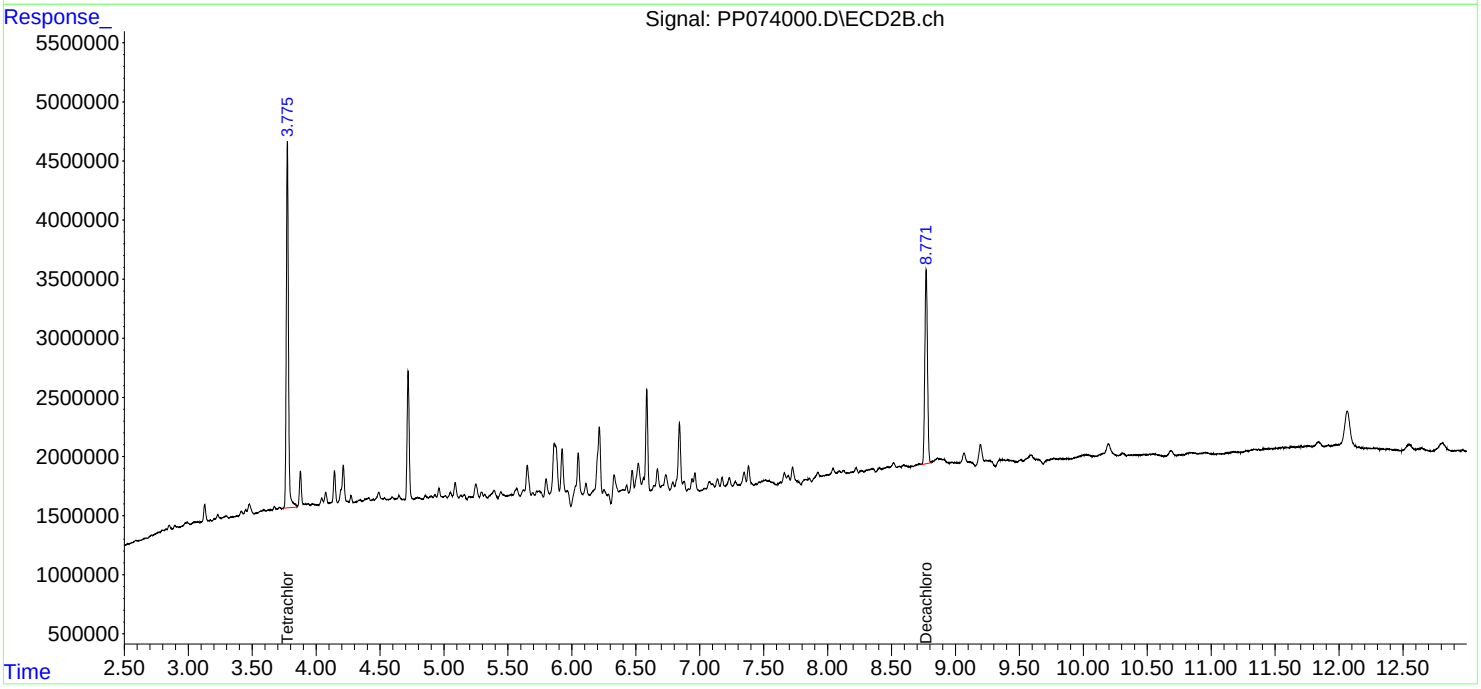
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP074000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:50
Operator : YP\AJ
Sample : Q2638-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

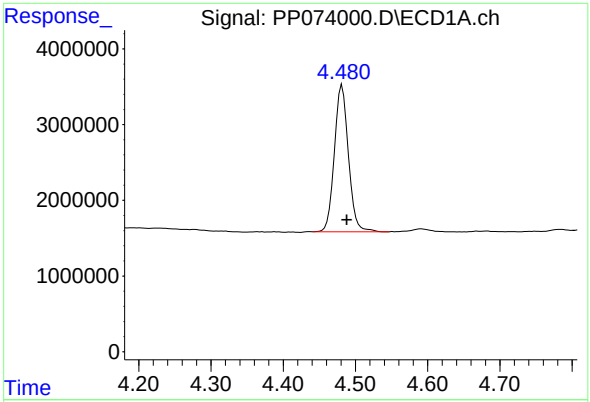
Instrument :
ECD_P
ClientSampleId :
OU4-TS-37-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:15:00 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



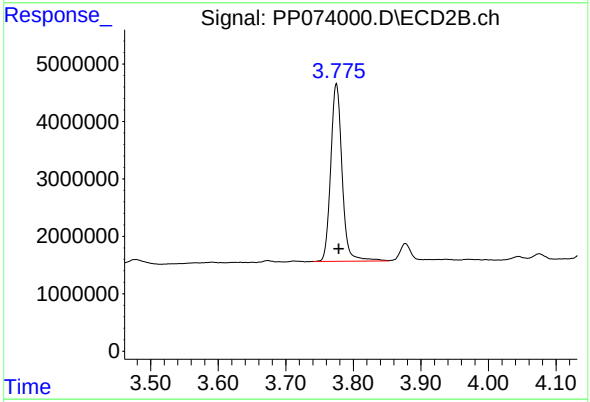




#1 Tetrachloro-m-xylene

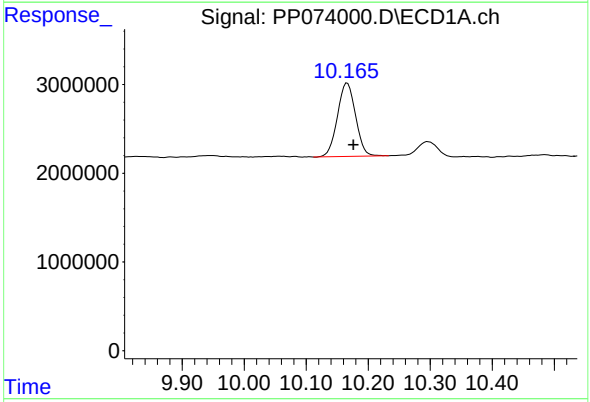
R.T.: 4.482 min
Delta R.T.: -0.006 min
Response: 26147912
Conc: 19.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-37-071725



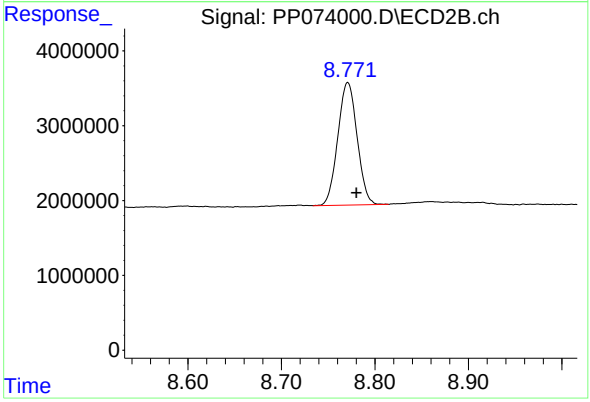
#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: -0.004 min
Response: 36086517
Conc: 19.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.166 min
Delta R.T.: -0.010 min
Response: 16790669
Conc: 15.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: -0.009 min
Response: 23543435
Conc: 17.79 ng/ml

CALIBRATION SUMMARY

Raw Data

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.:** Q2638

Instrument ID: ECD_P **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

Raw Data

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.:** Q2638

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

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Instrument ID: ECD_P **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

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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: **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

Raw Data

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.:** Q2638

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

Raw Data

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.:** Q2638

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)

ICAL Form

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

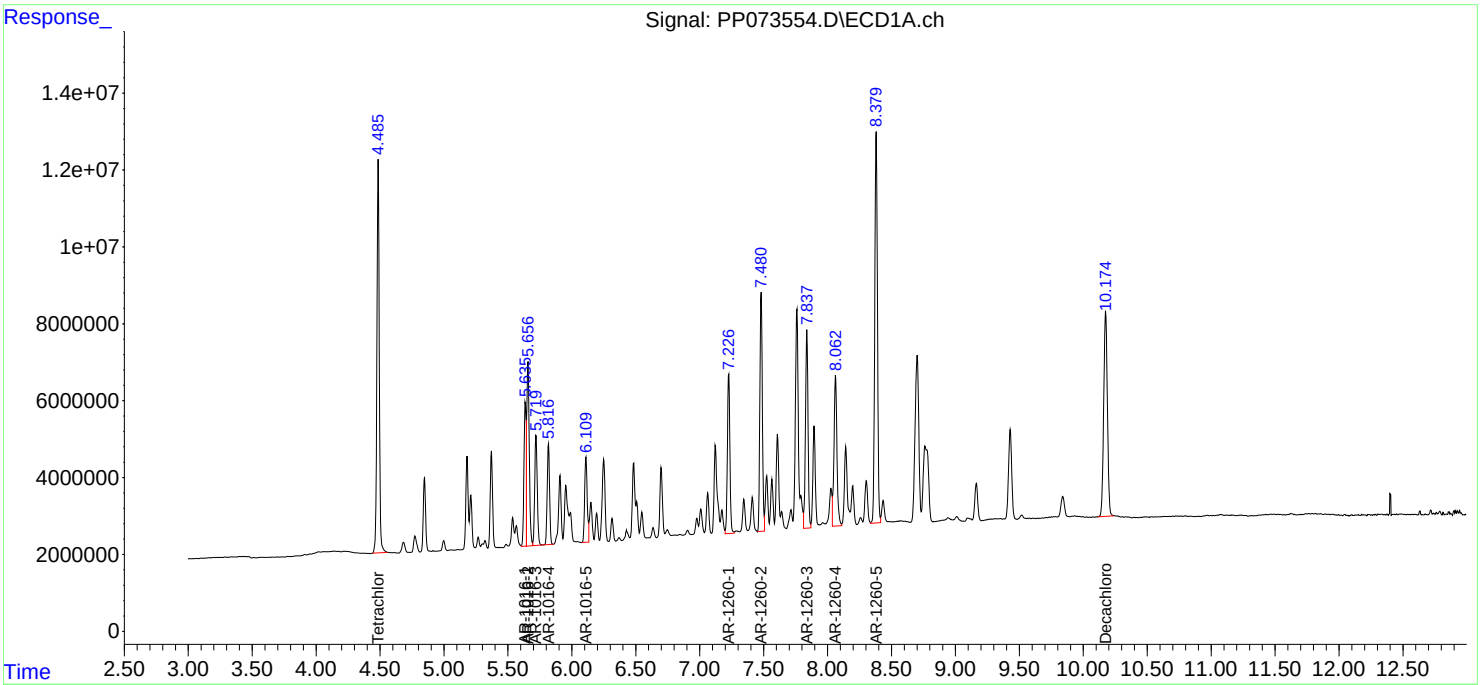
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

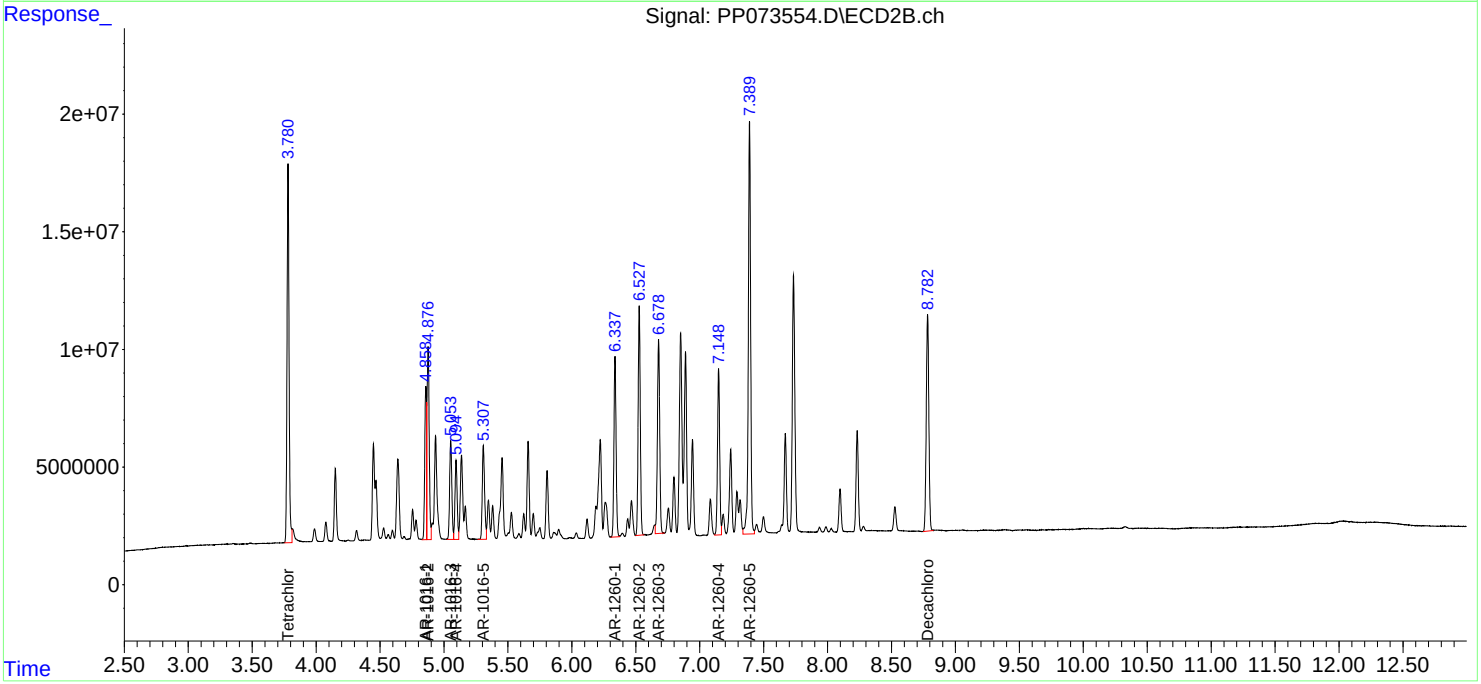
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:03
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

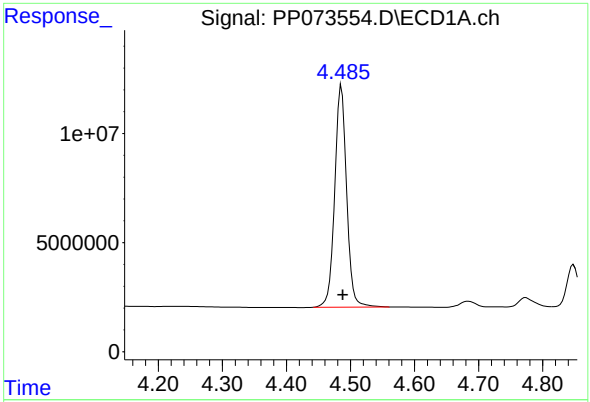
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

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



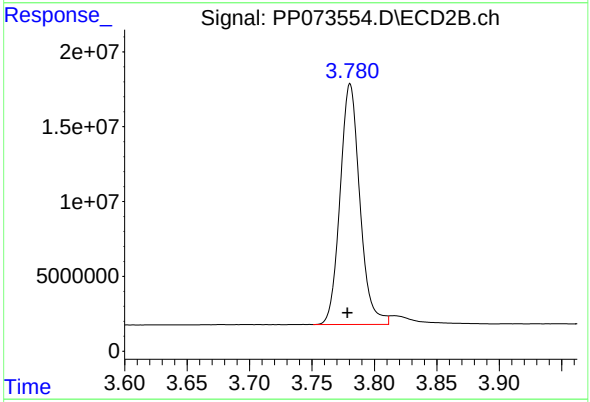




#1 Tetrachloro-m-xylene

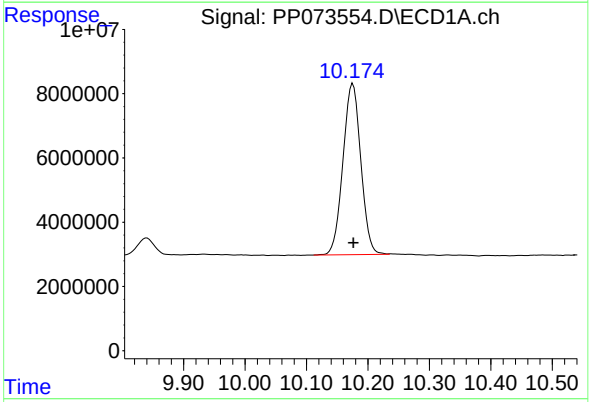
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 131462742
Conc: 93.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



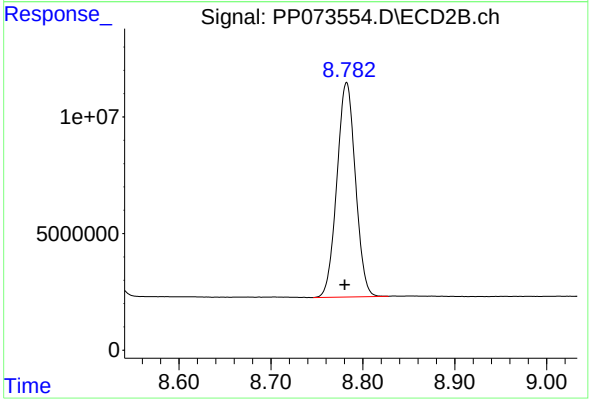
#1 Tetrachloro-m-xylene

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



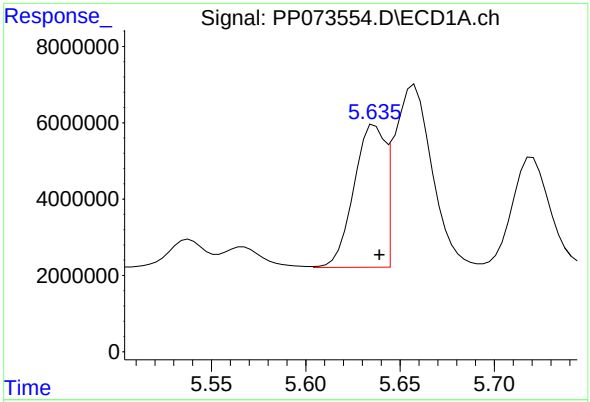
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

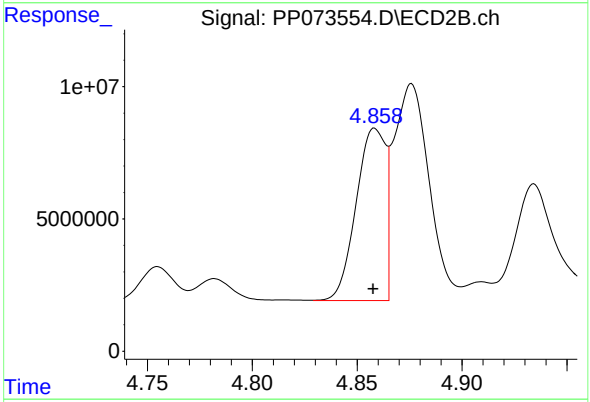
R.T.: 8.782 min
Delta R.T.: 0.002 min
Response: 128848236
Conc: 97.28 ng/ml



#3 AR-1016-1

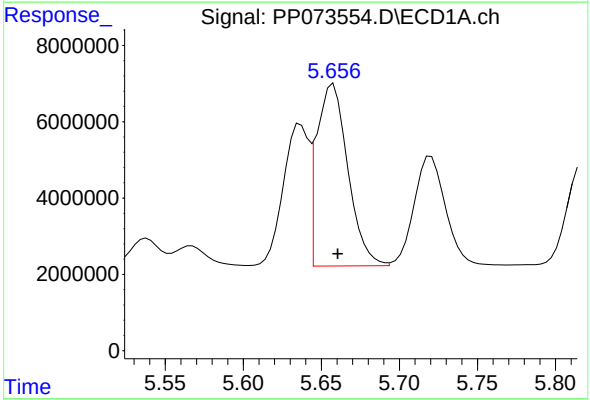
R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 42452248
Conc: 900.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



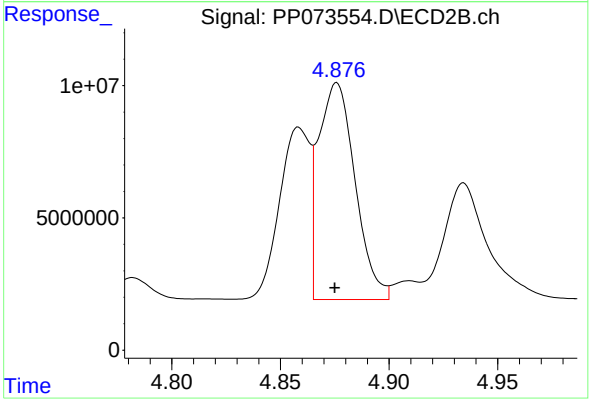
#3 AR-1016-1

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



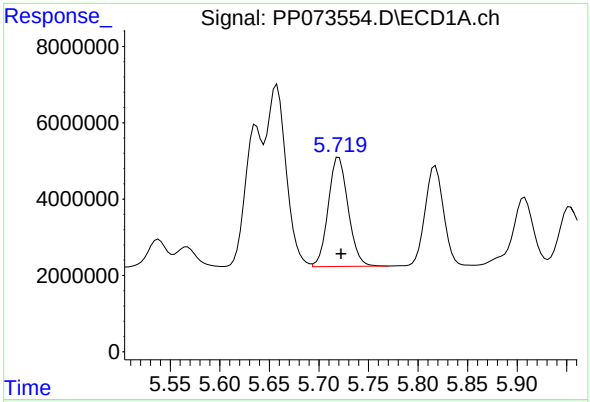
#4 AR-1016-2

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



#4 AR-1016-2

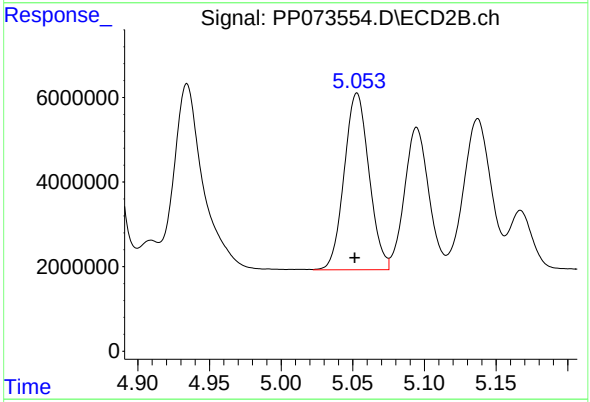
R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 95987811
Conc: 935.65 ng/ml



#5 AR-1016-3

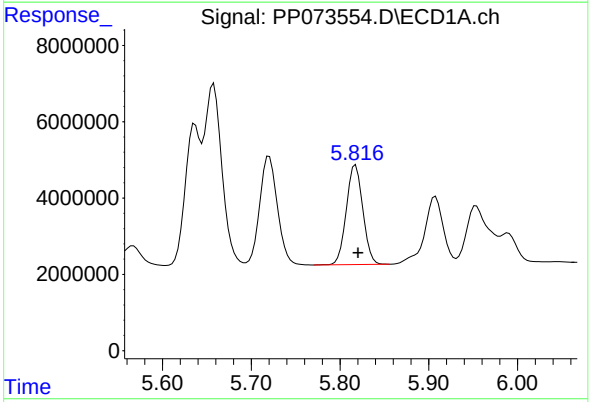
R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 39961628
Conc: 904.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



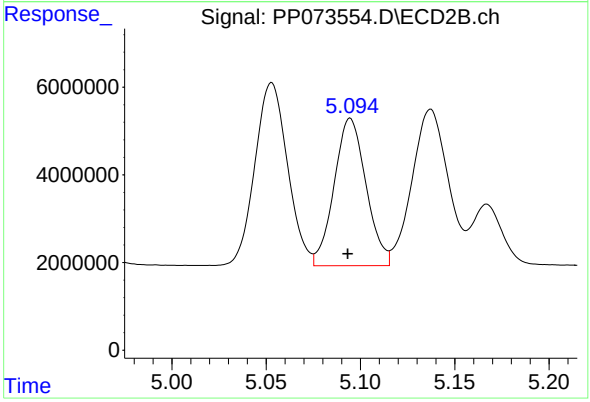
#5 AR-1016-3

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



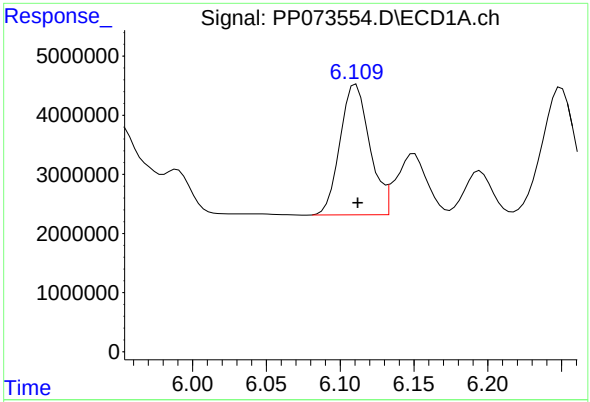
#6 AR-1016-4

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



#6 AR-1016-4

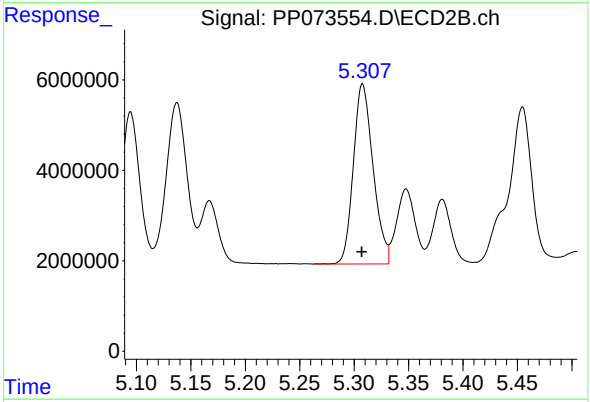
R.T.: 5.095 min
Delta R.T.: 0.001 min
Response: 39688708
Conc: 904.13 ng/ml



#7 AR-1016-5

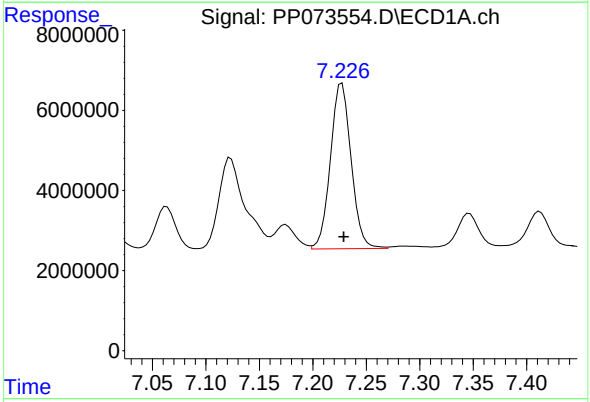
R.T.: 6.111 min
Delta R.T.: -0.001 min
Response: 30910810
Conc: 942.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



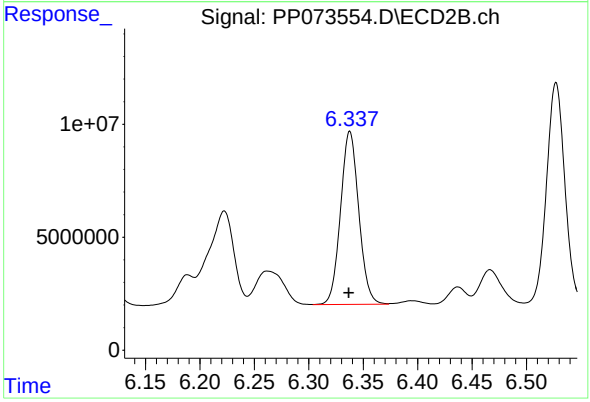
#7 AR-1016-5

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



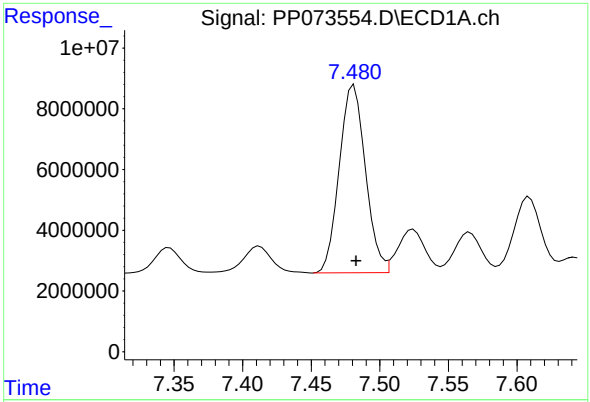
#31 AR-1260-1

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



#31 AR-1260-1

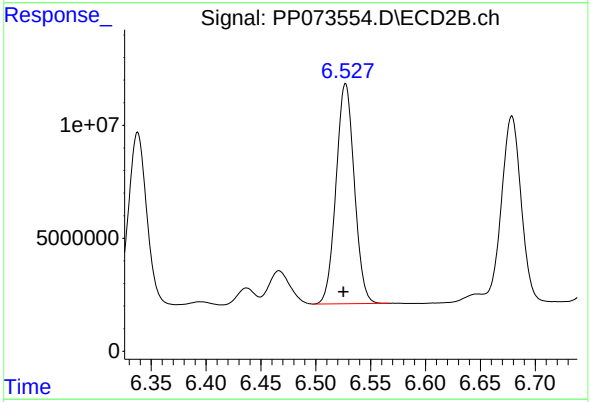
R.T.: 6.338 min
Delta R.T.: 0.001 min
Response: 89335231
Conc: 898.10 ng/ml



#32 AR-1260-2

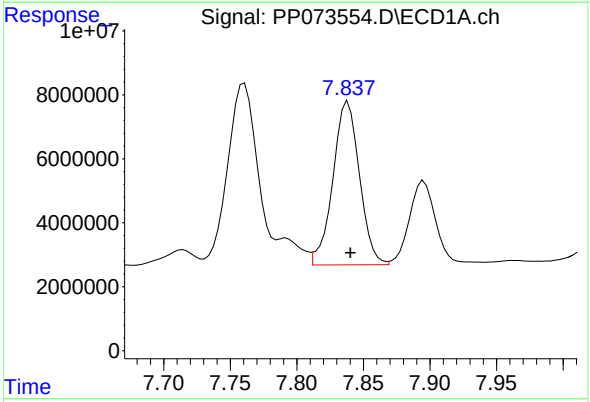
R.T.: 7.481 min
Delta R.T.: -0.002 min
Response: 82256765
Conc: 909.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



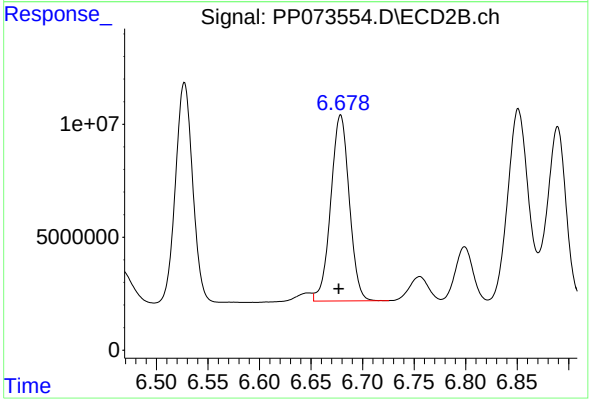
#32 AR-1260-2

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



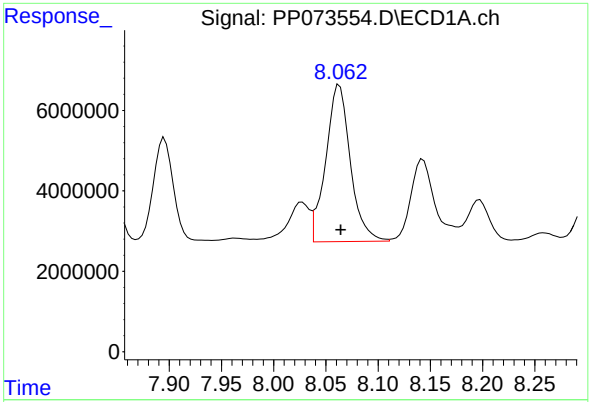
#33 AR-1260-3

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



#33 AR-1260-3

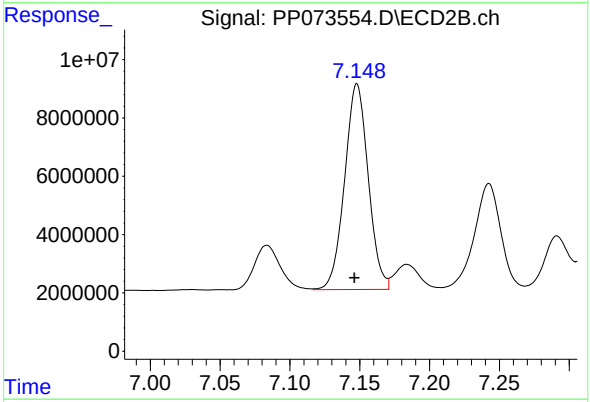
R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 102918015
Conc: 916.51 ng/ml



#34 AR-1260-4

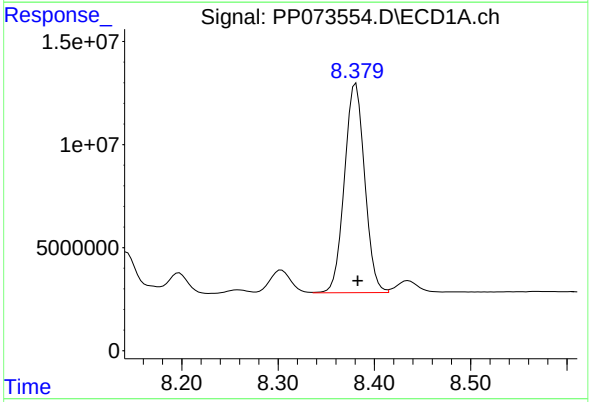
R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 63951646
Conc: 958.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



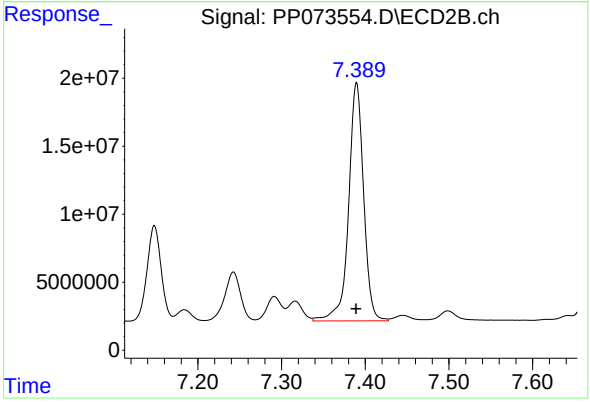
#34 AR-1260-4

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)

ICAL Form

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.

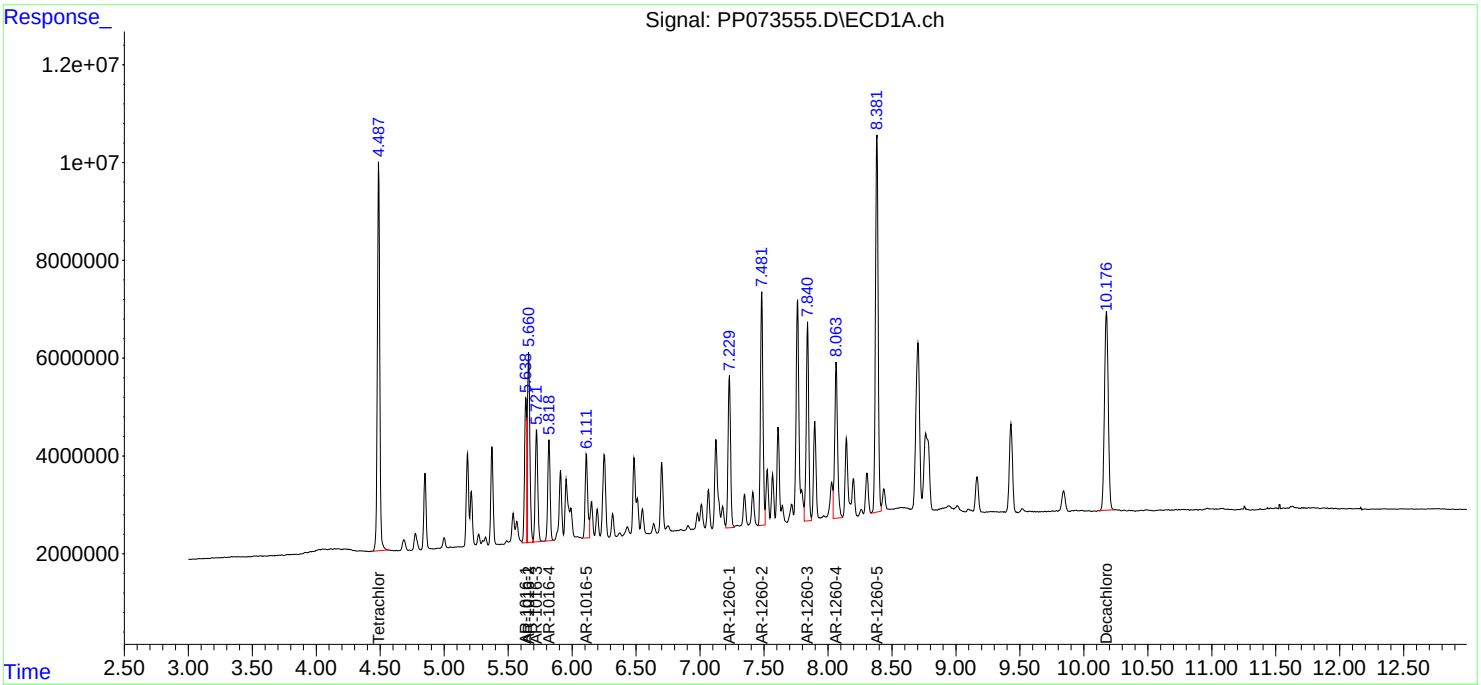
ICAL Form

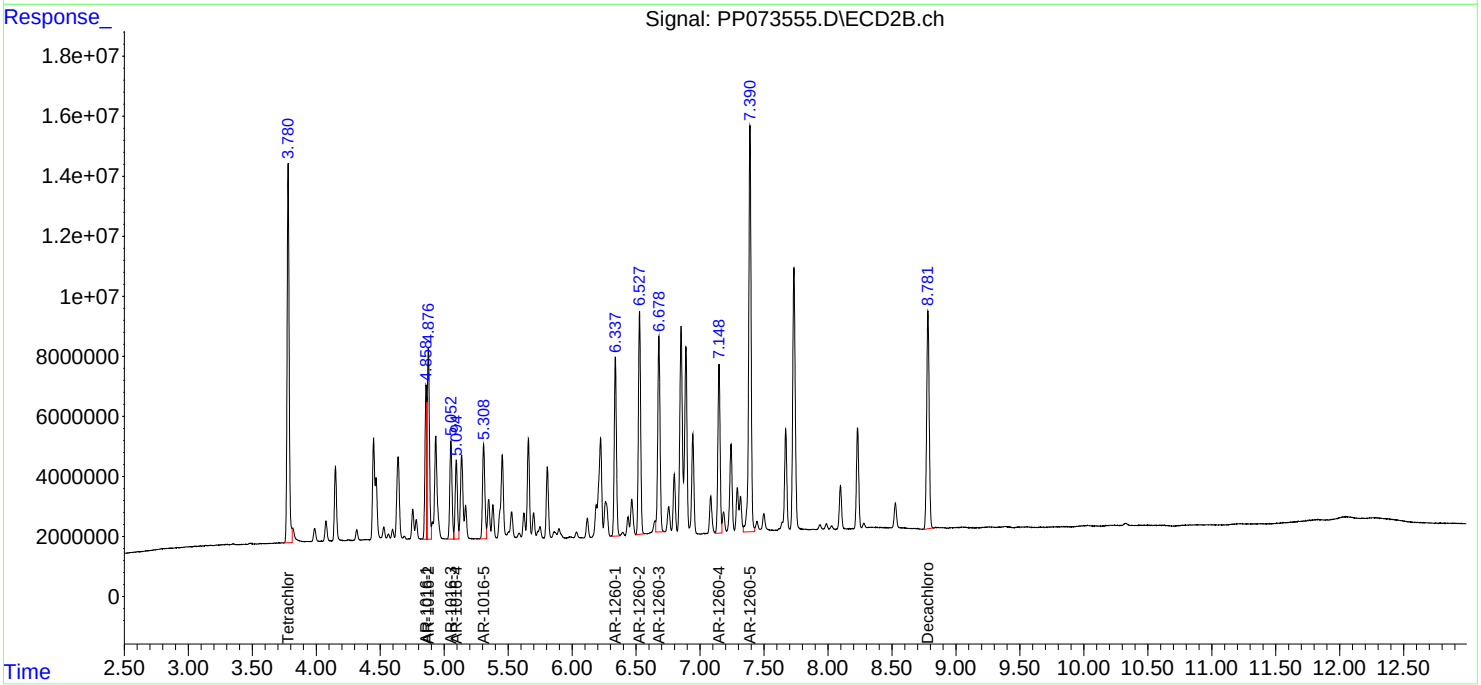
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:19
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

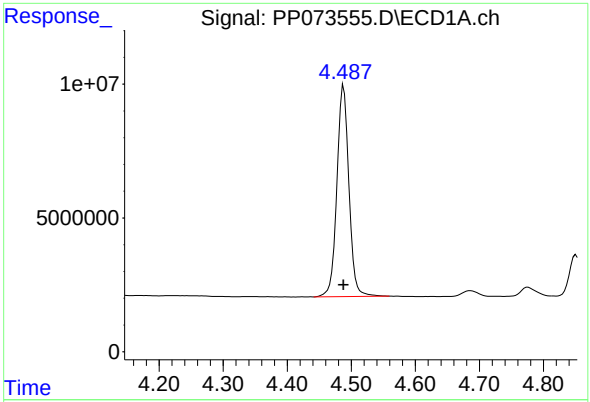
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

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



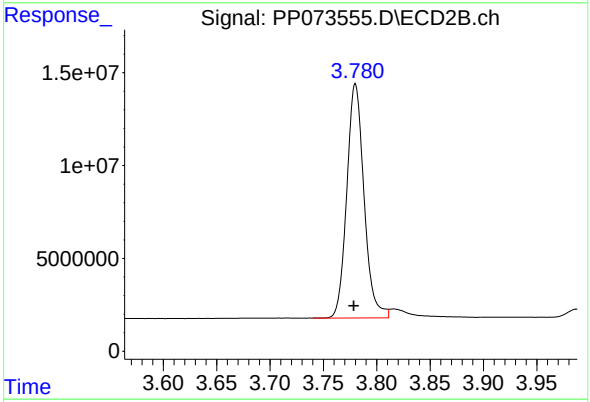




#1 Tetrachloro-m-xylene

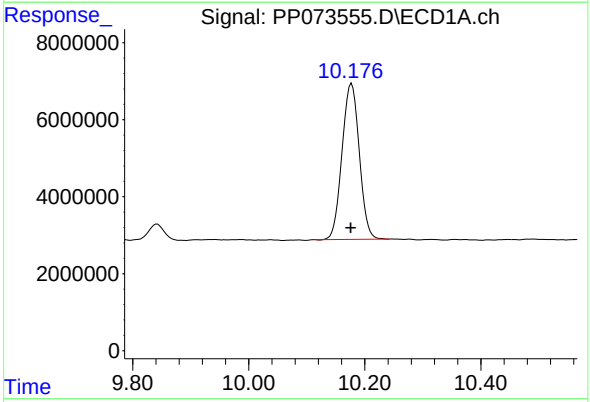
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 102794379
Conc: 72.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



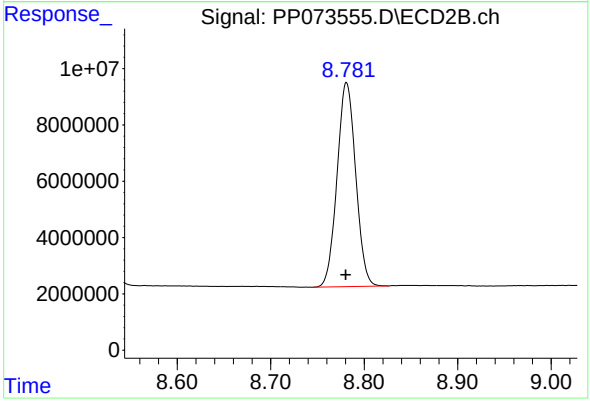
#1 Tetrachloro-m-xylene

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



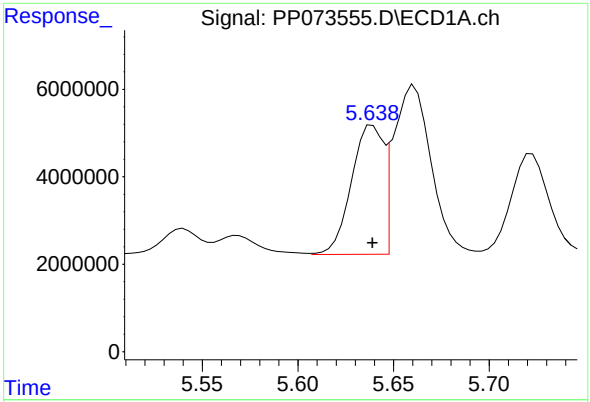
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

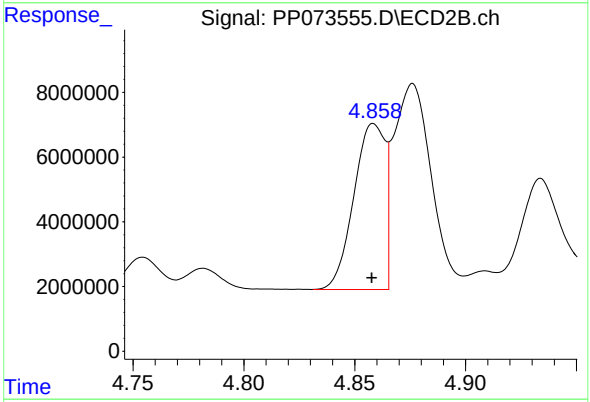
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 100420368
Conc: 75.82 ng/ml



#3 AR-1016-1

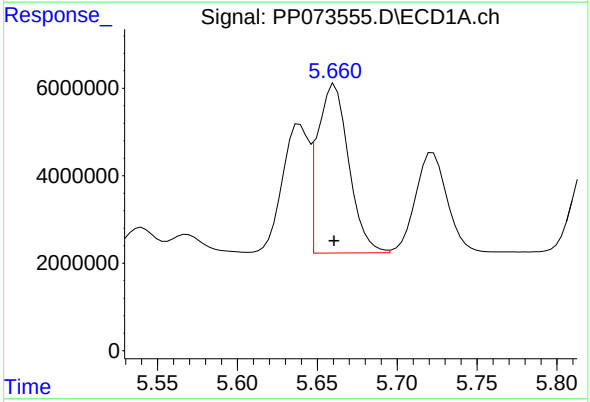
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 34213394
Conc: 725.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



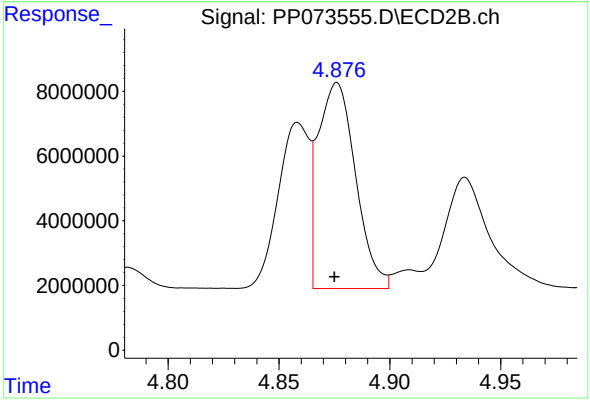
#3 AR-1016-1

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



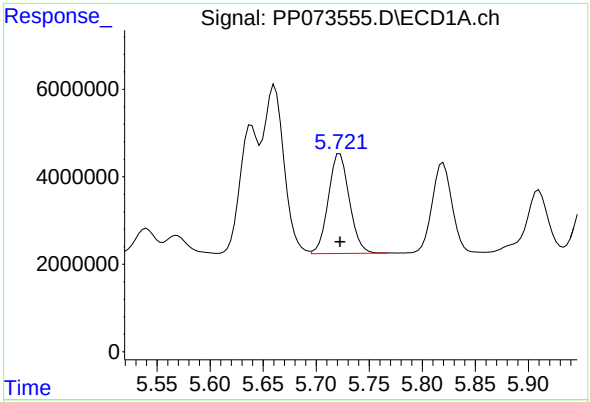
#4 AR-1016-2

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



#4 AR-1016-2

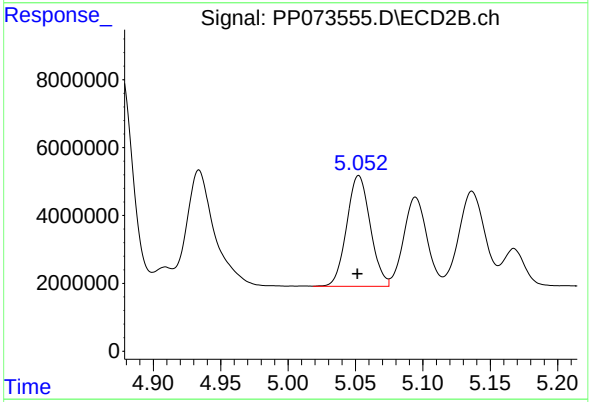
R.T.: 4.876 min
Delta R.T.: 0.001 min
Response: 74857573
Conc: 729.68 ng/ml



#5 AR-1016-3

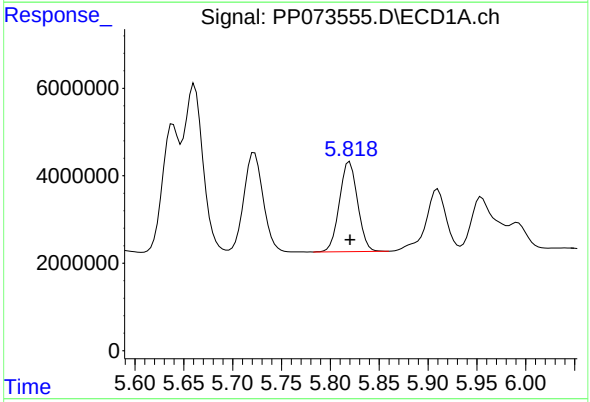
R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 31534647
Conc: 714.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



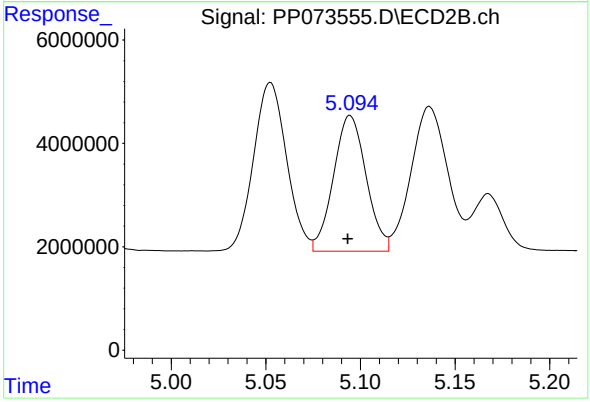
#5 AR-1016-3

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



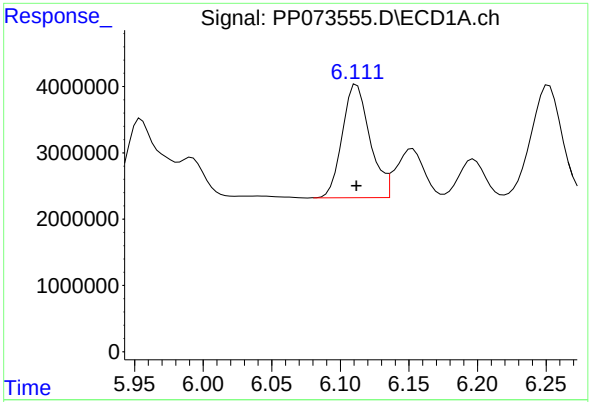
#6 AR-1016-4

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



#6 AR-1016-4

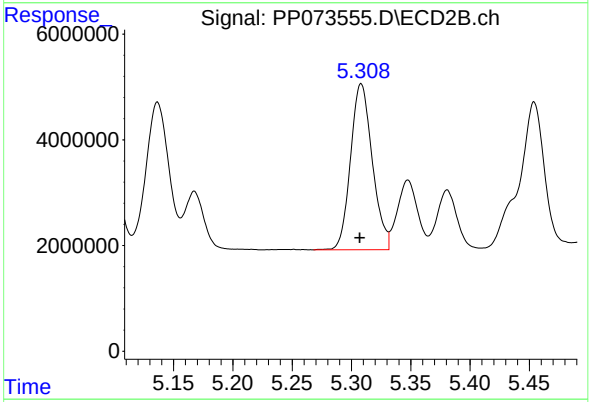
R.T.: 5.095 min
Delta R.T.: 0.001 min
Response: 31578742
Conc: 719.38 ng/ml



#7 AR-1016-5

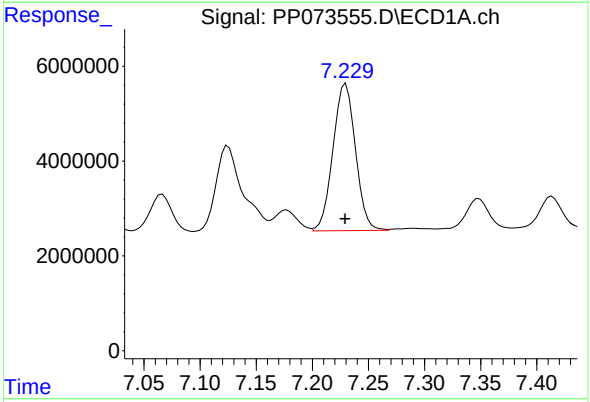
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 23978479
Conc: 731.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



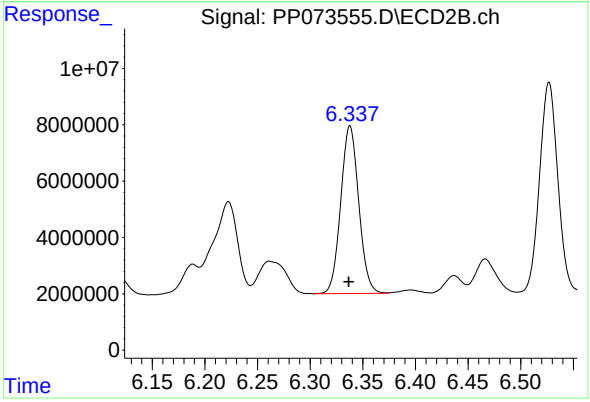
#7 AR-1016-5

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



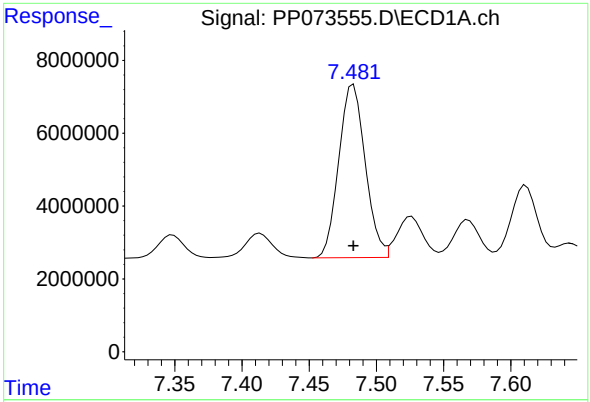
#31 AR-1260-1

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



#31 AR-1260-1

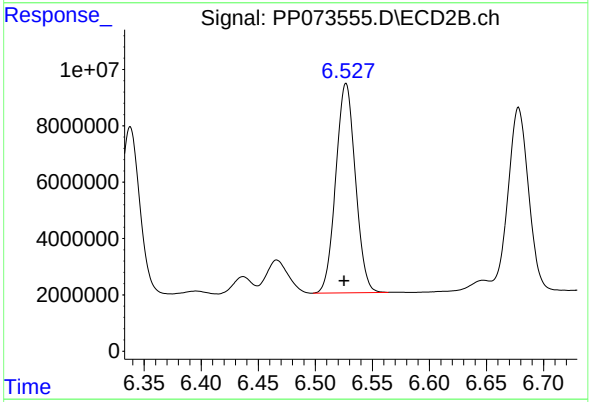
R.T.: 6.338 min
Delta R.T.: 0.001 min
Response: 70882887
Conc: 712.60 ng/ml



#32 AR-1260-2

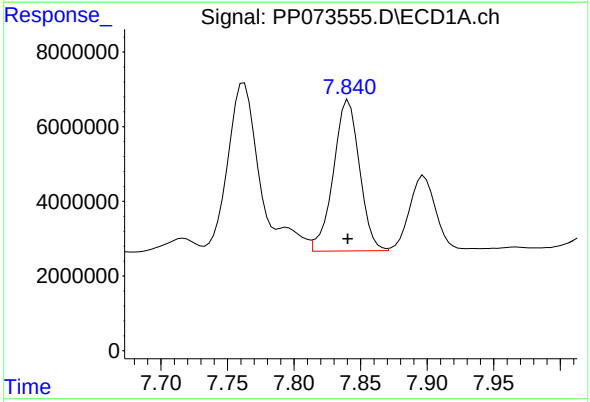
R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 65155158
Conc: 720.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



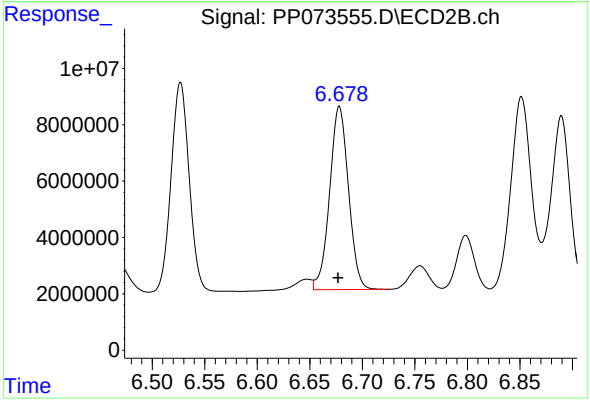
#32 AR-1260-2

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



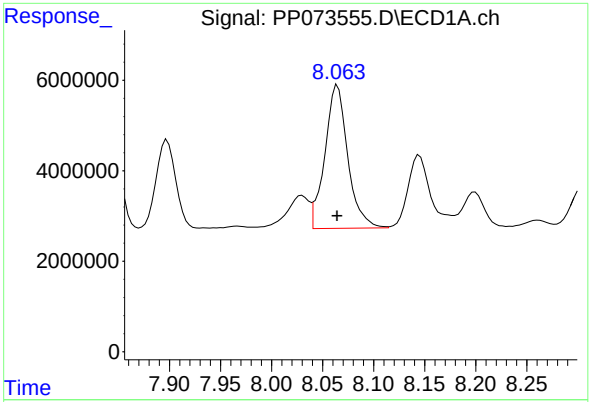
#33 AR-1260-3

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



#33 AR-1260-3

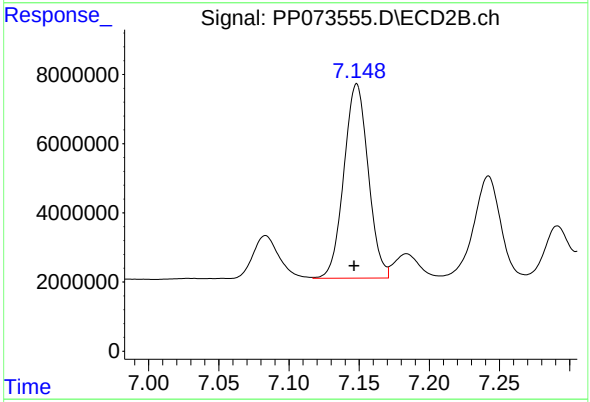
R.T.: 6.678 min
Delta R.T.: 0.001 min
Response: 81310749
Conc: 724.09 ng/ml



#34 AR-1260-4

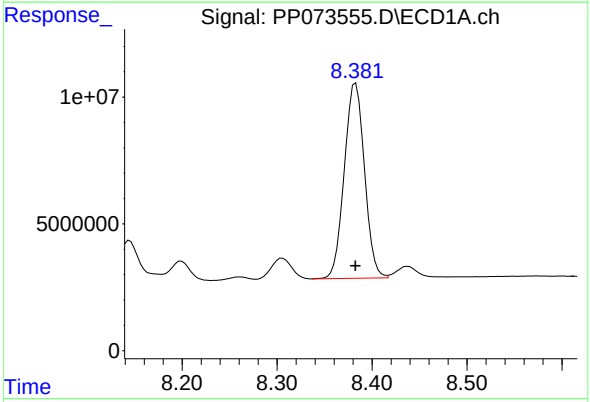
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 49508585
Conc: 741.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



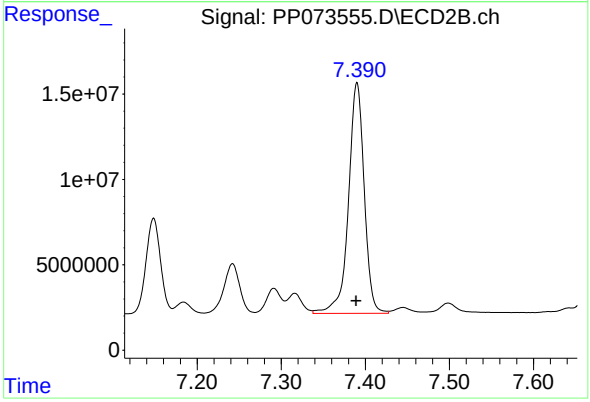
#34 AR-1260-4

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)

ICAL Form

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.

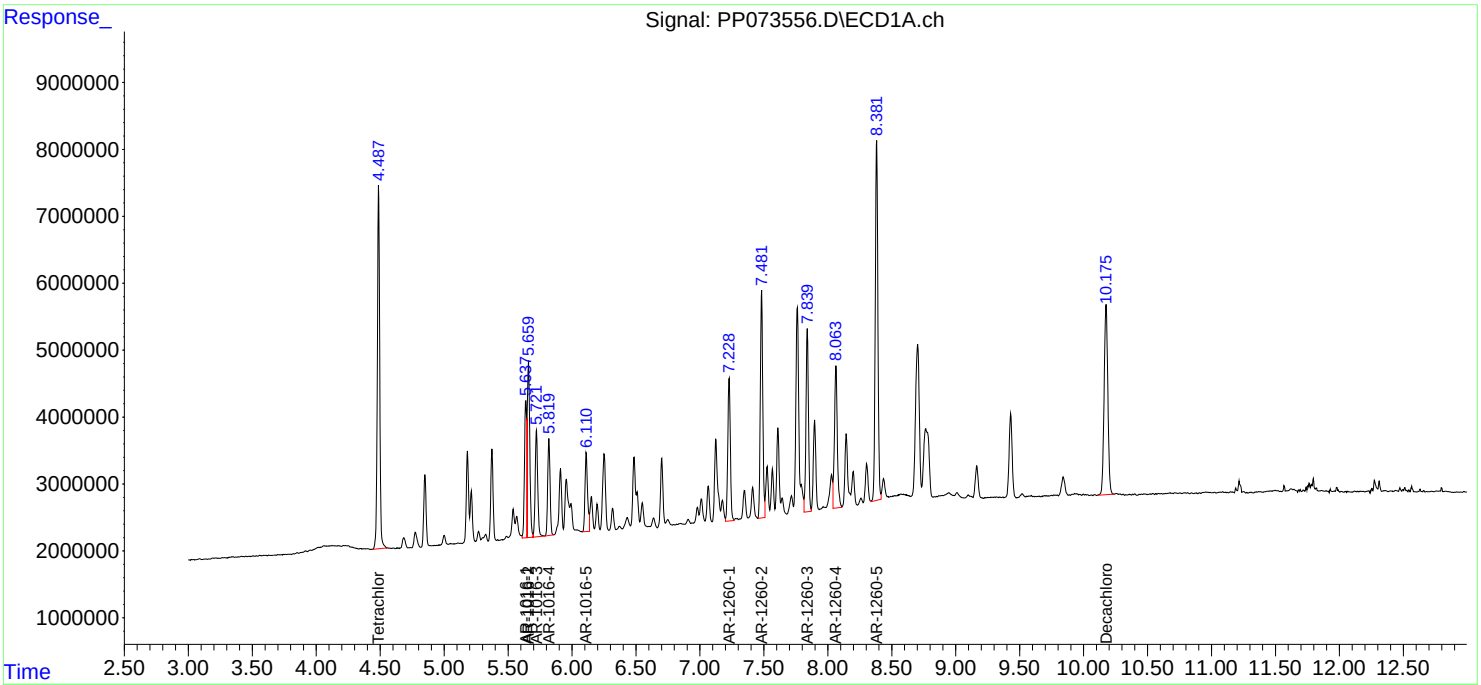
ICAL Form

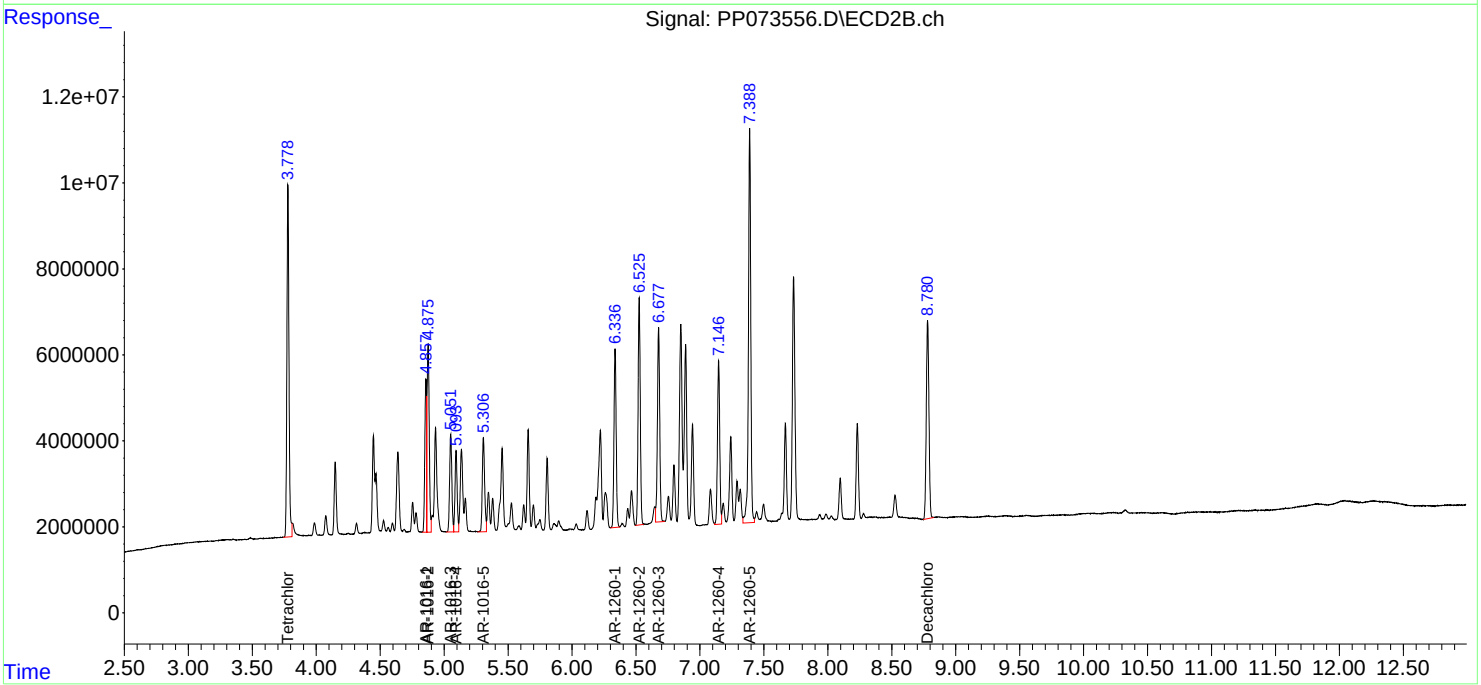
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:35
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

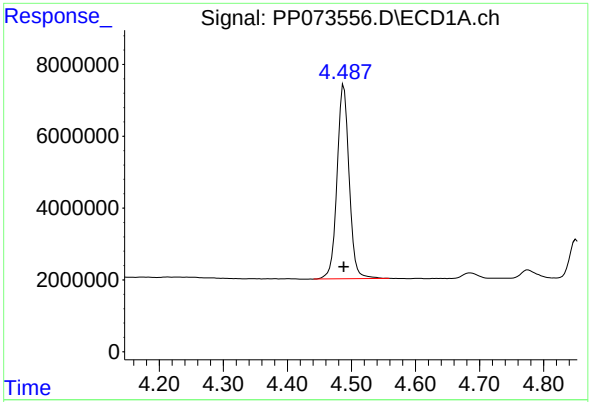
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

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



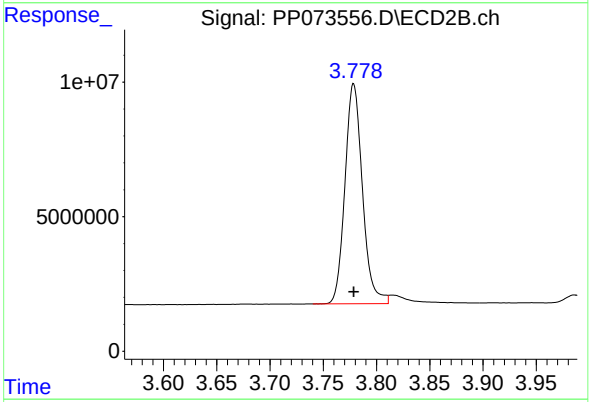




#1 Tetrachloro-m-xylene

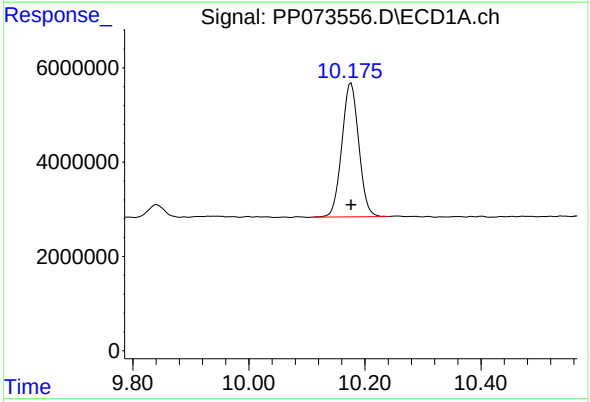
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 70659473
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



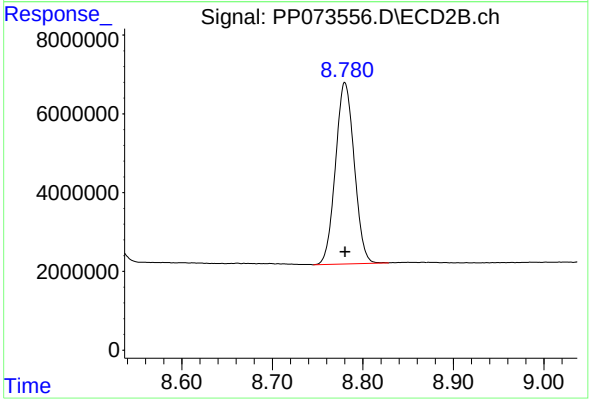
#1 Tetrachloro-m-xylene

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



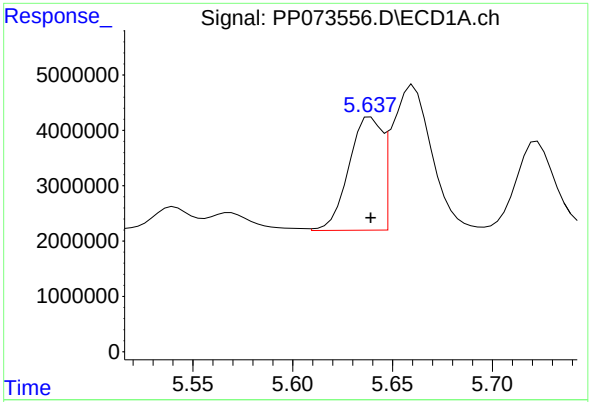
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

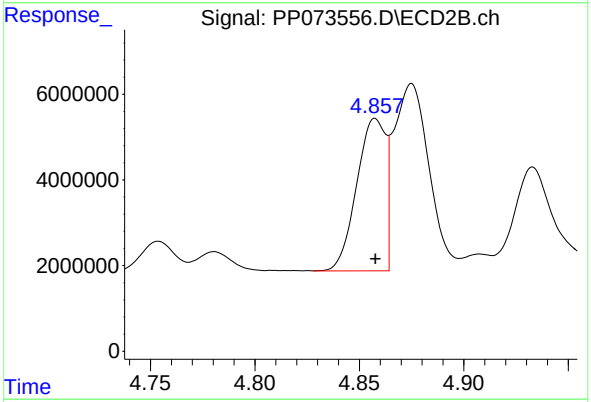
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 66225271
Conc: 50.00 ng/ml



#3 AR-1016-1

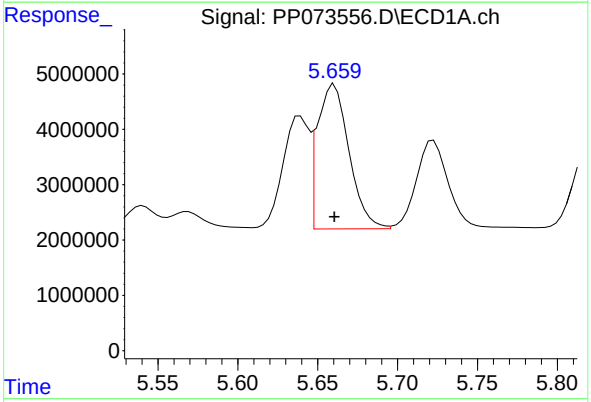
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 23569436
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



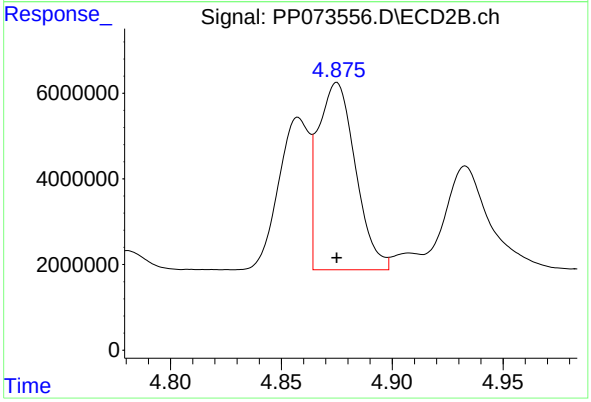
#3 AR-1016-1

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



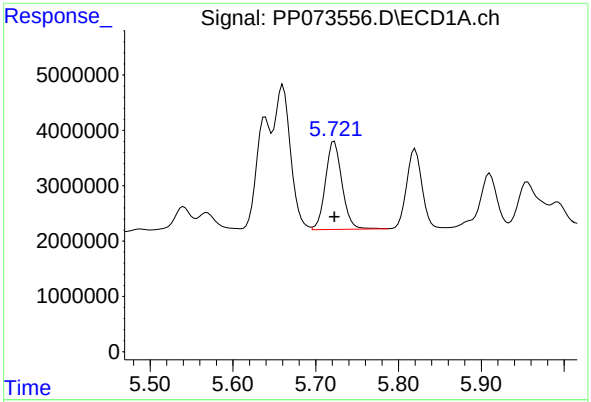
#4 AR-1016-2

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



#4 AR-1016-2

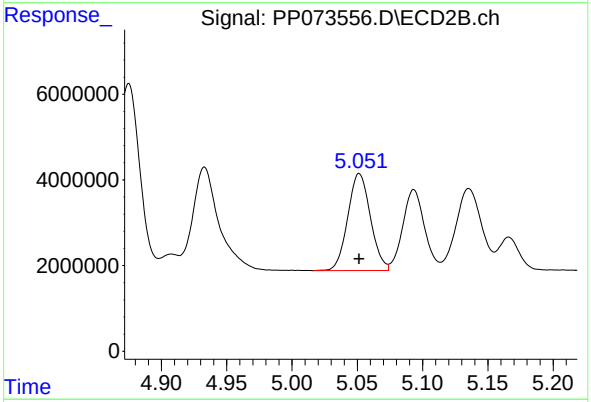
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 51294648
Conc: 500.00 ng/ml



#5 AR-1016-3

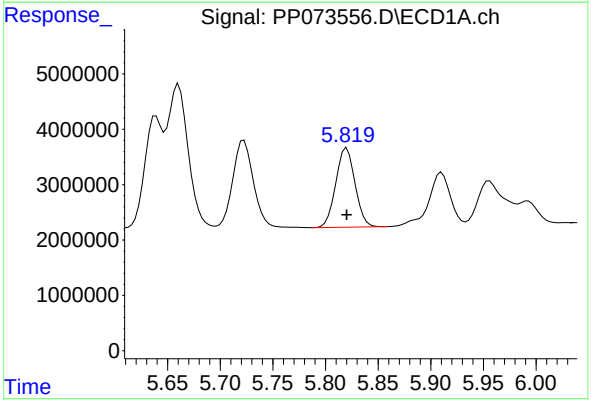
R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 22081319
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



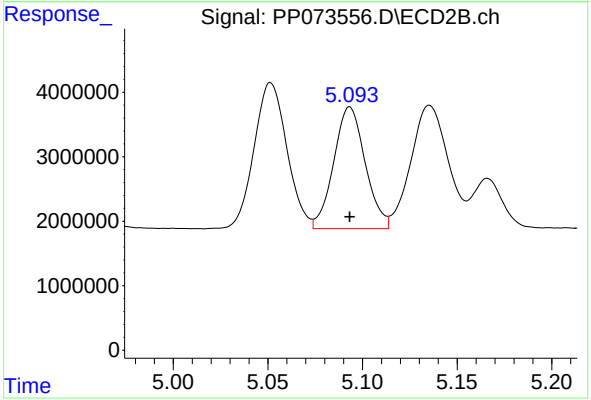
#5 AR-1016-3

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



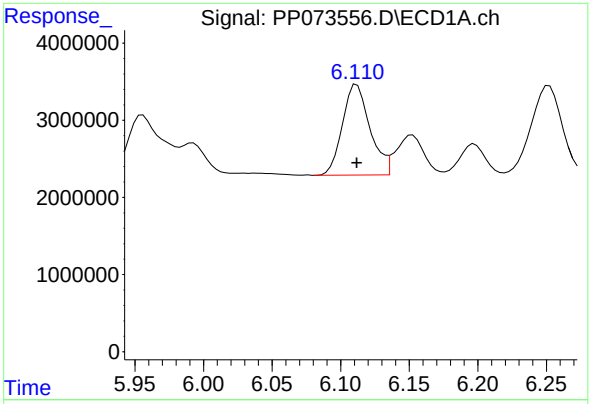
#6 AR-1016-4

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



#6 AR-1016-4

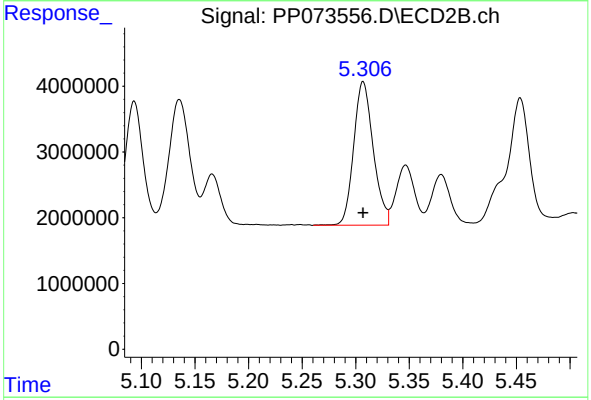
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 21948478
Conc: 500.00 ng/ml



#7 AR-1016-5

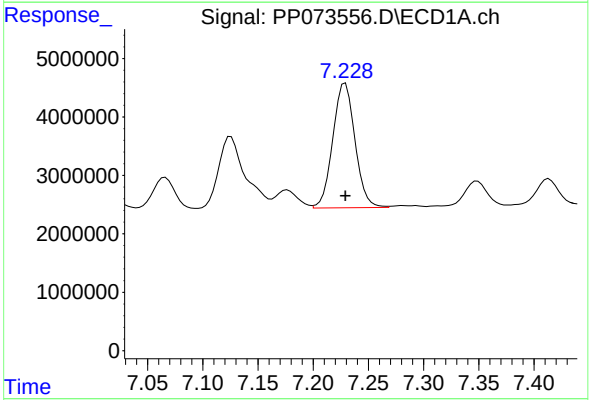
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 16393178
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



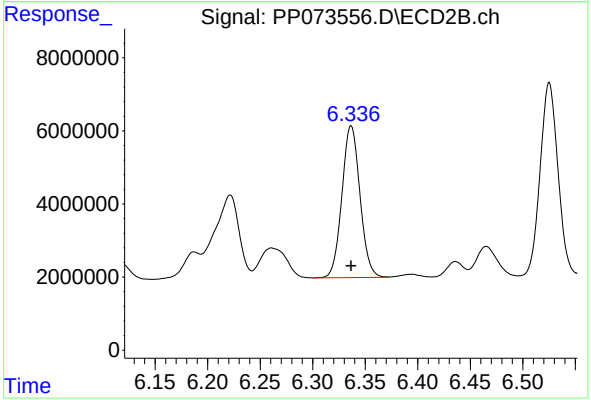
#7 AR-1016-5

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



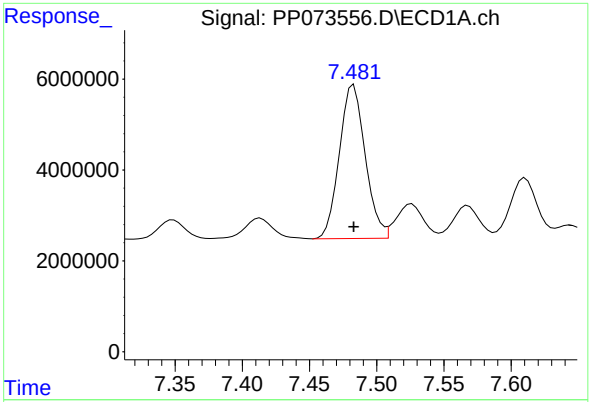
#31 AR-1260-1

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



#31 AR-1260-1

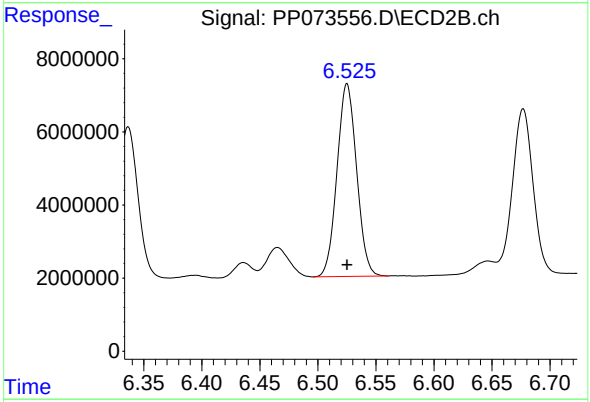
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 49735666
Conc: 500.00 ng/ml



#32 AR-1260-2

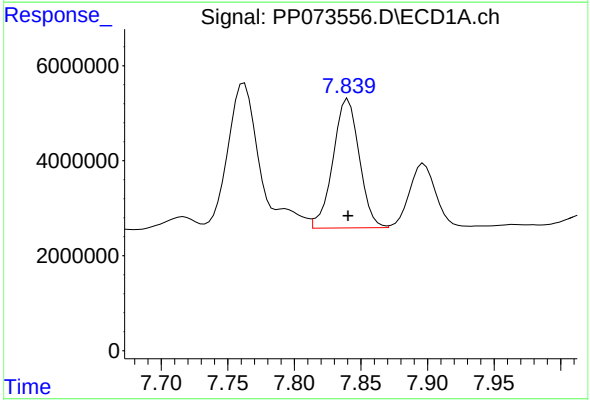
R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 45196946
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



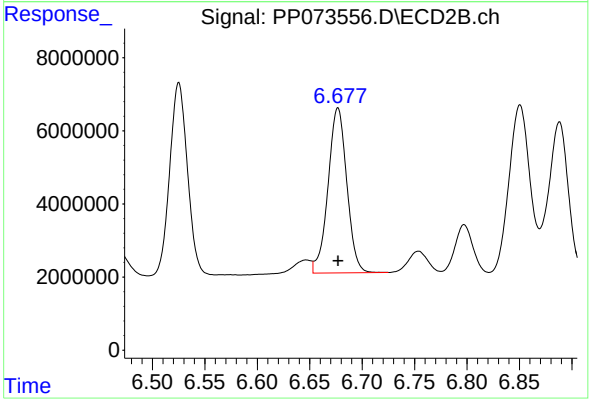
#32 AR-1260-2

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



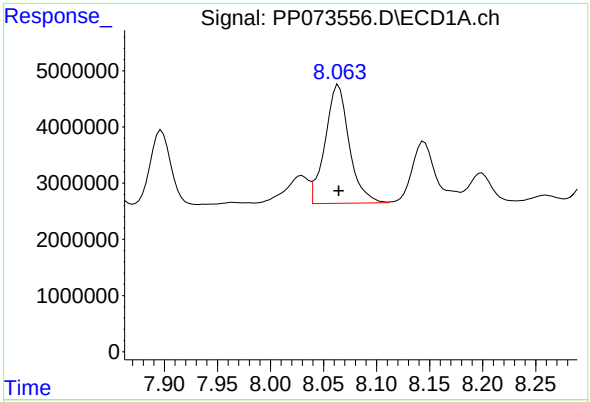
#33 AR-1260-3

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



#33 AR-1260-3

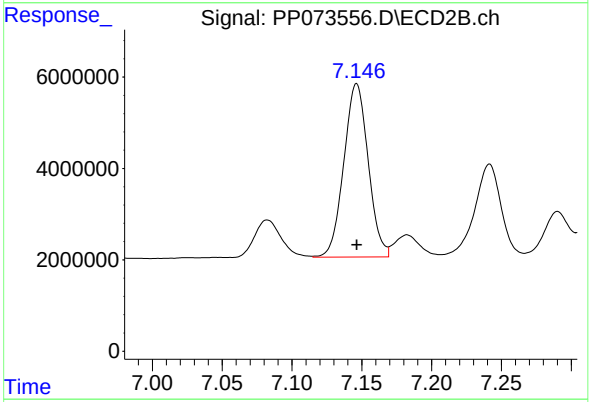
R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 56146648
Conc: 500.00 ng/ml



#34 AR-1260-4

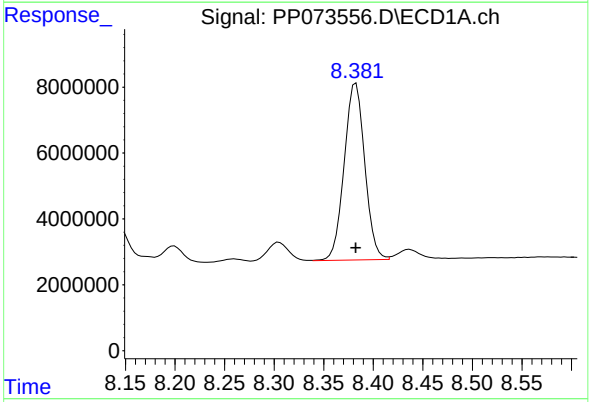
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 33365205
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



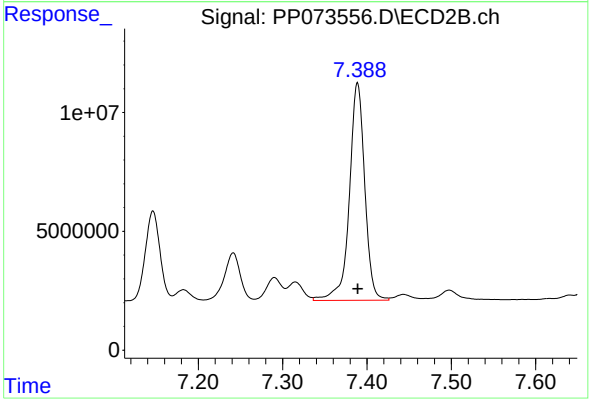
#34 AR-1260-4

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)

ICAL Form

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.

ICAL Form

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

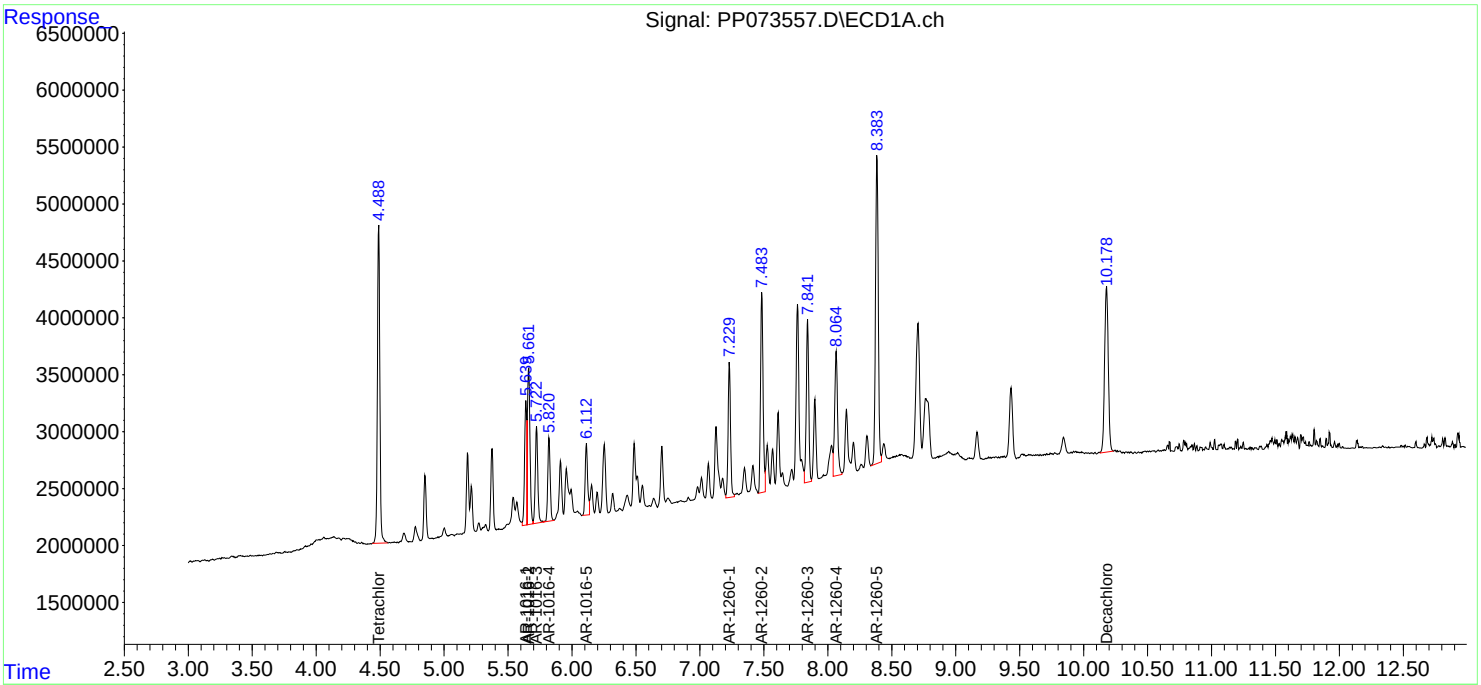
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

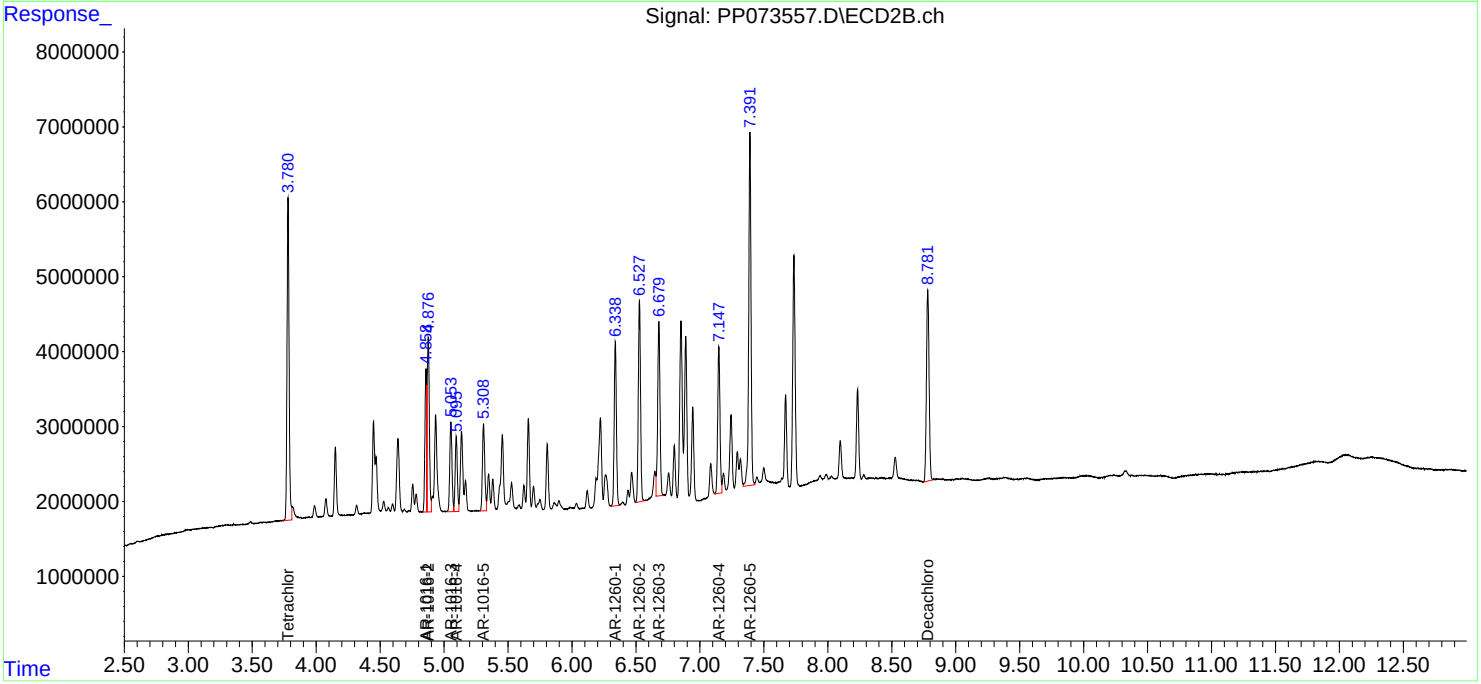
Manual Integrations APPROVED

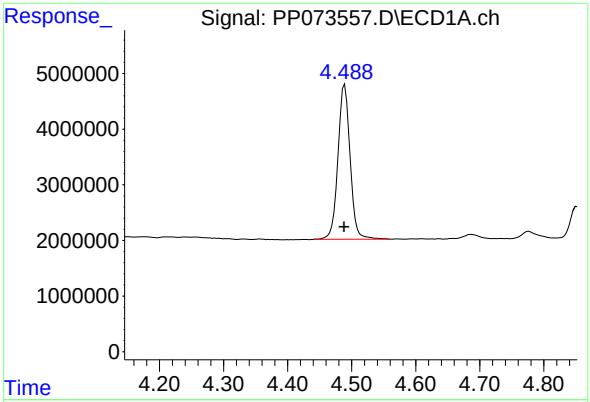
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







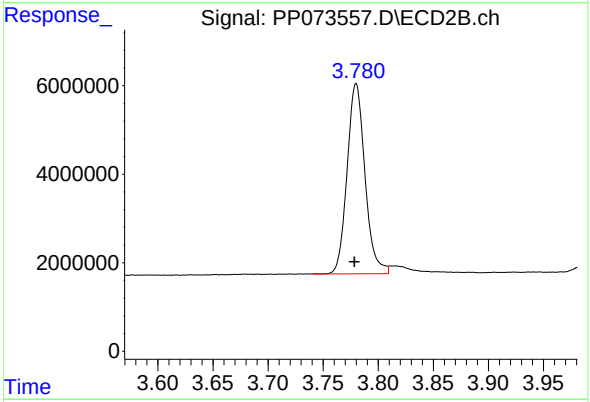
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

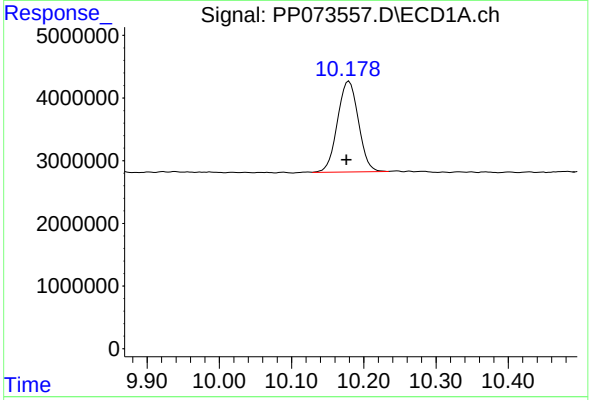
Manual Integrations APPROVED

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



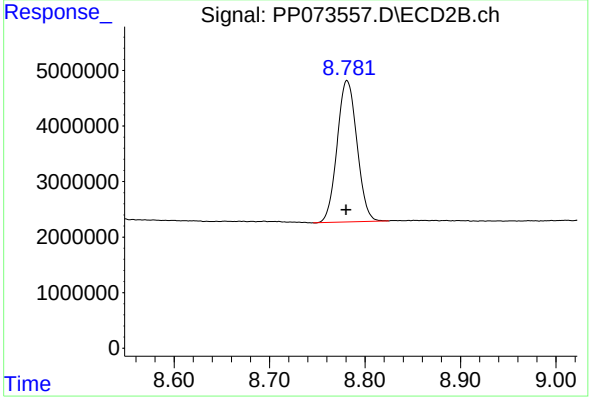
#1 Tetrachloro-m-xylene

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



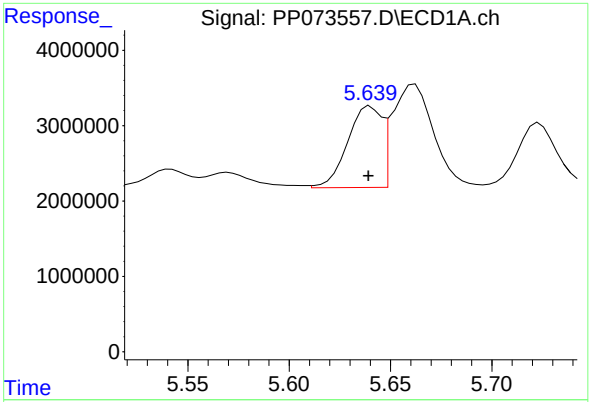
#2 Decachlorobiphenyl

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



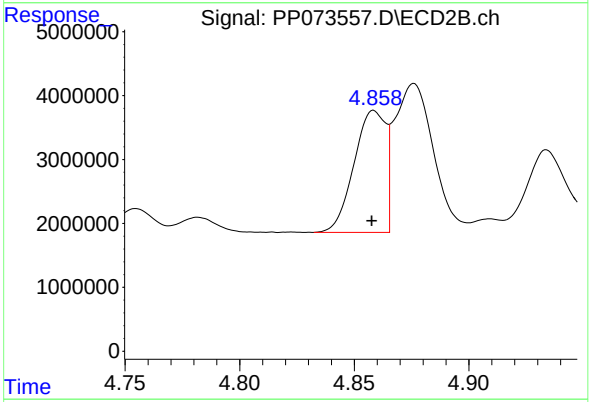
#3 AR-1016-1

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

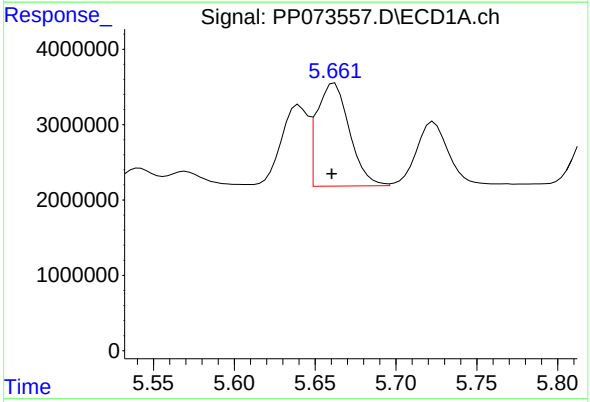
Manual Integrations APPROVED

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



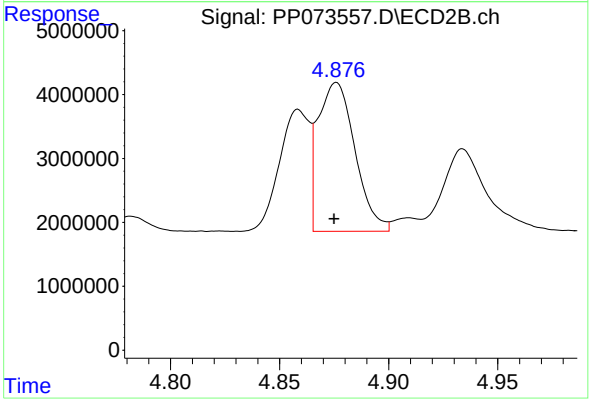
#3 AR-1016-1

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



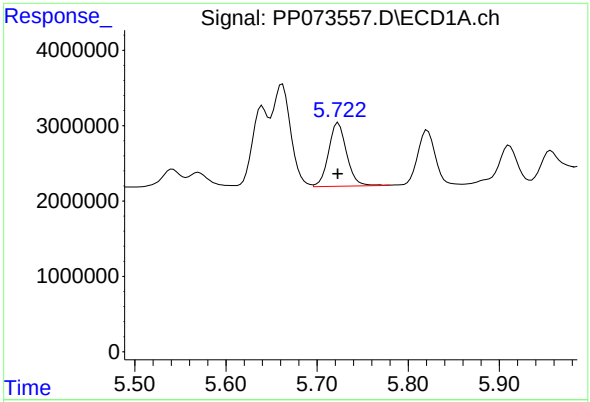
#4 AR-1016-2

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



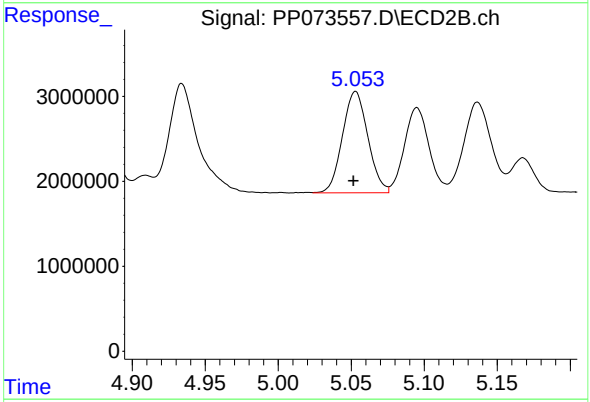
#5 AR-1016-3

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

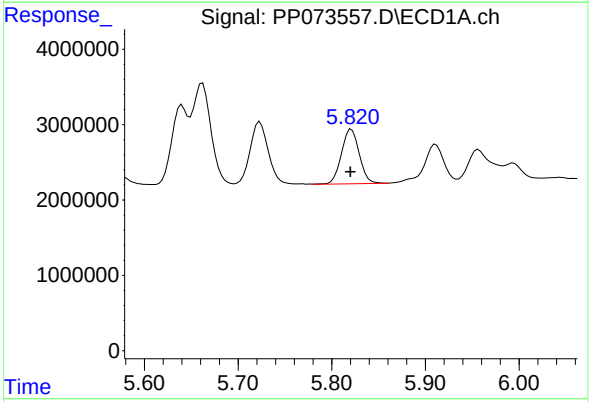
Manual Integrations APPROVED

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



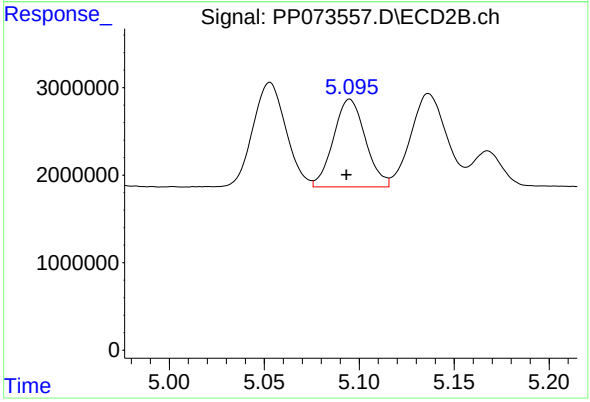
#5 AR-1016-3

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



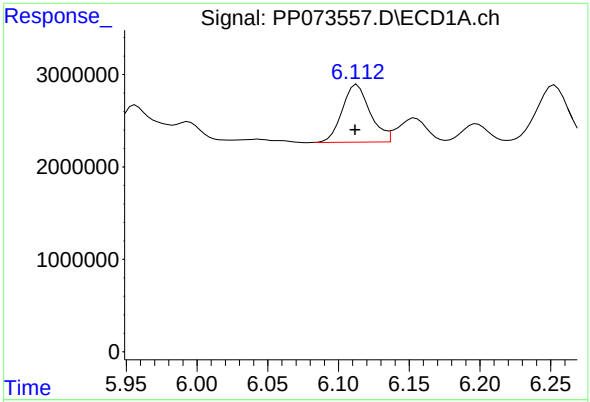
#6 AR-1016-4

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



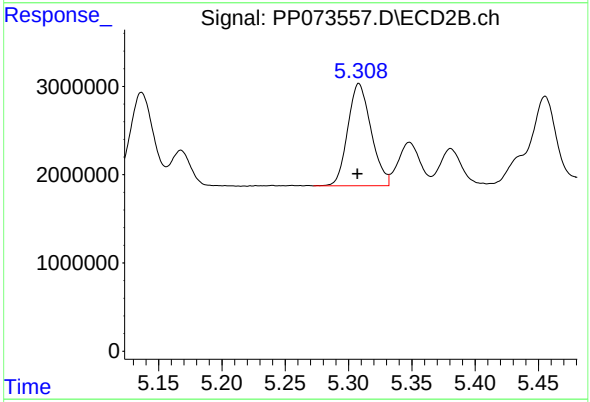
#7 AR-1016-5

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

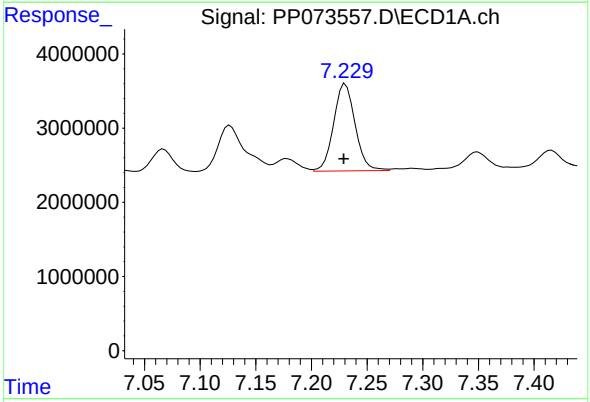
Manual Integrations APPROVED

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



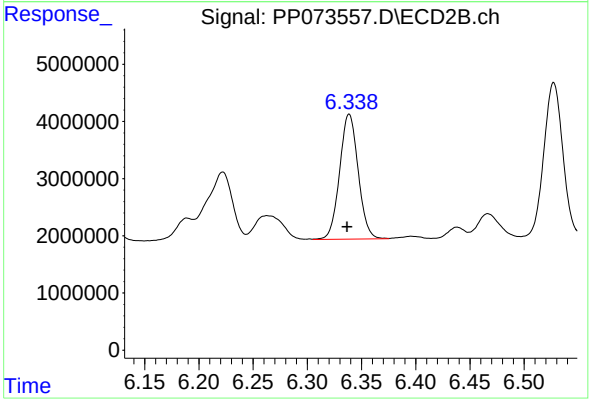
#7 AR-1016-5

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



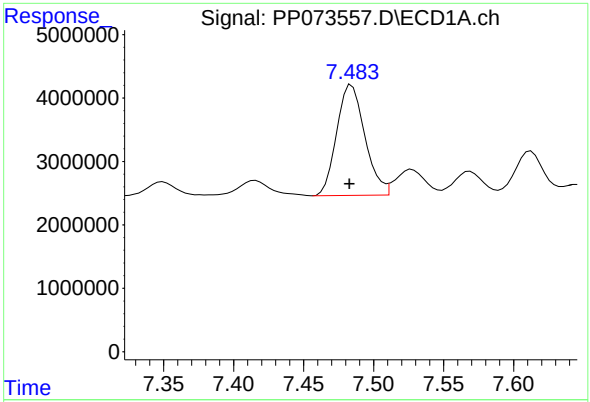
#31 AR-1260-1

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



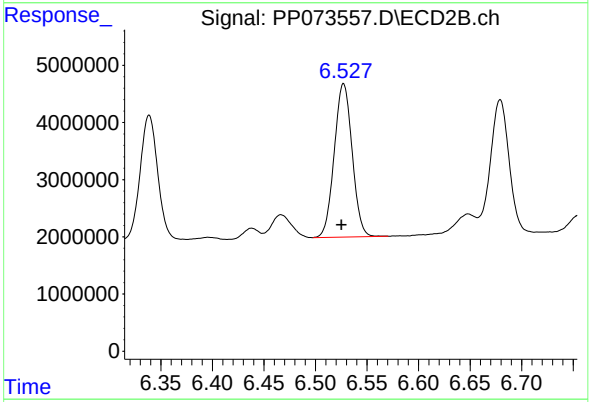
#32 AR-1260-2

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

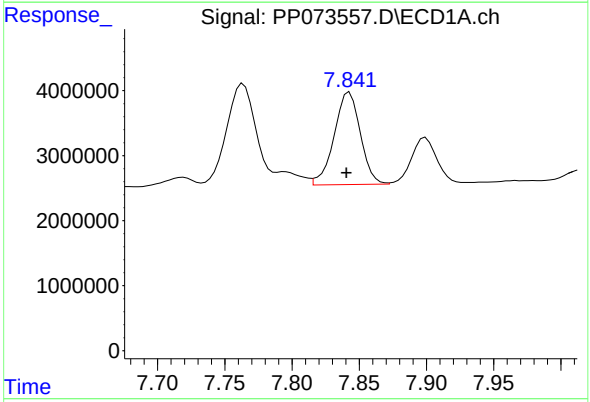
Manual Integrations APPROVED

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



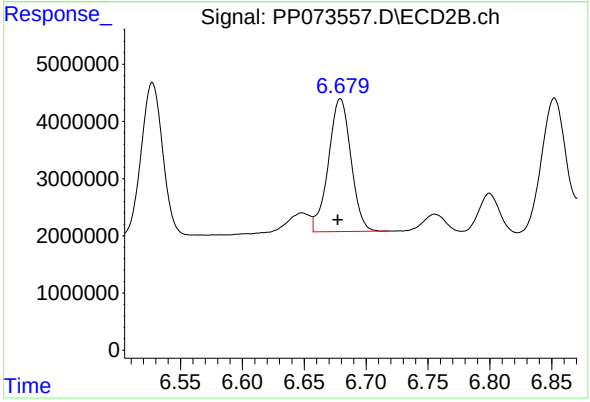
#32 AR-1260-2

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



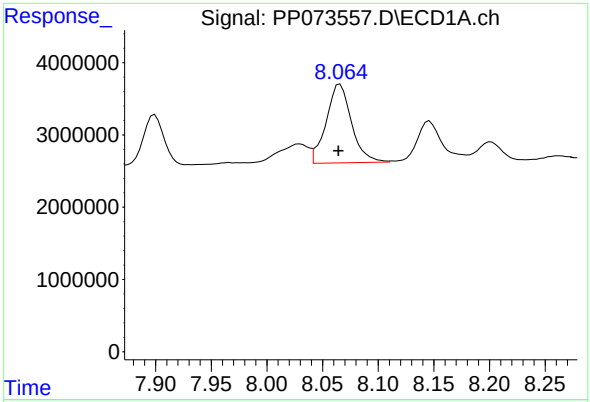
#33 AR-1260-3

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



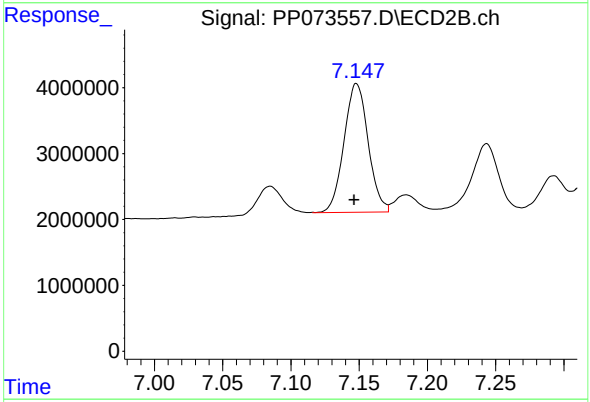
#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

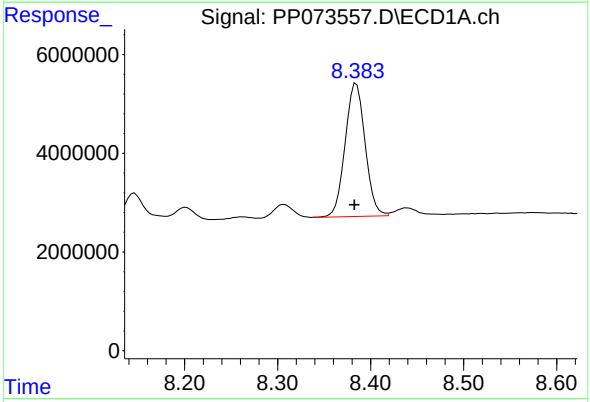
Manual Integrations APPROVED

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



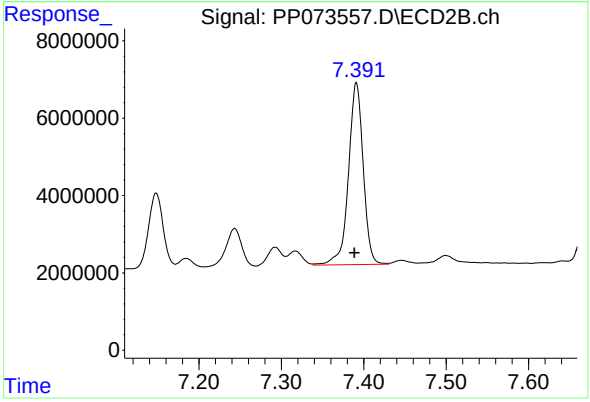
#34 AR-1260-4

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)

ICAL Form

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.

ICAL Form

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

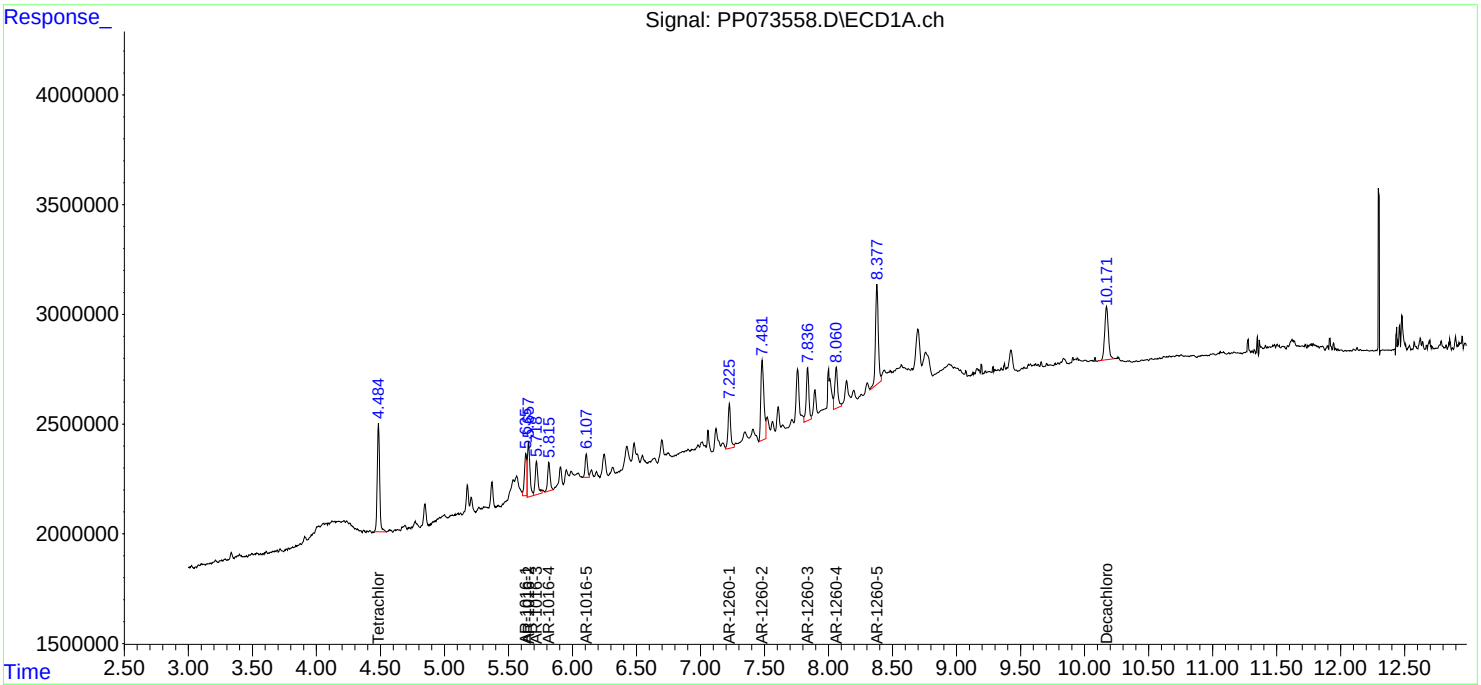
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

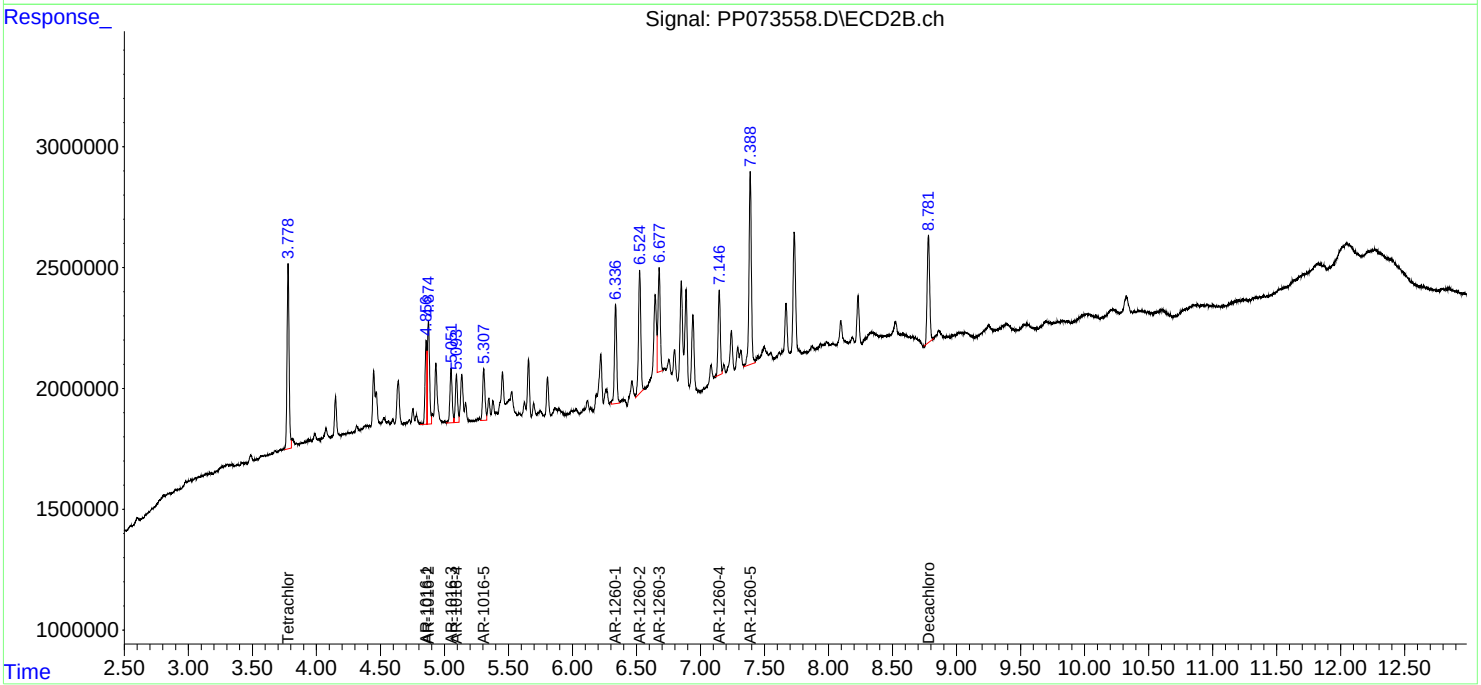
Manual Integrations APPROVED

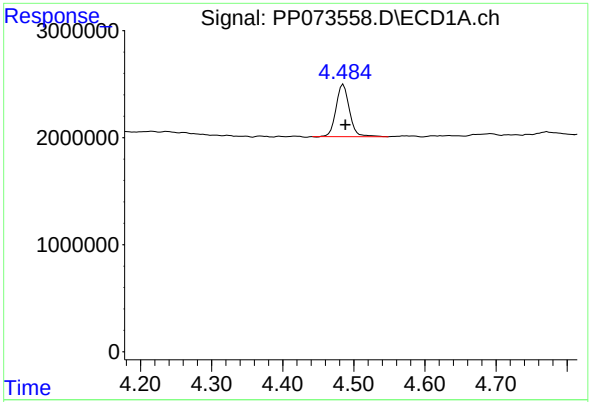
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







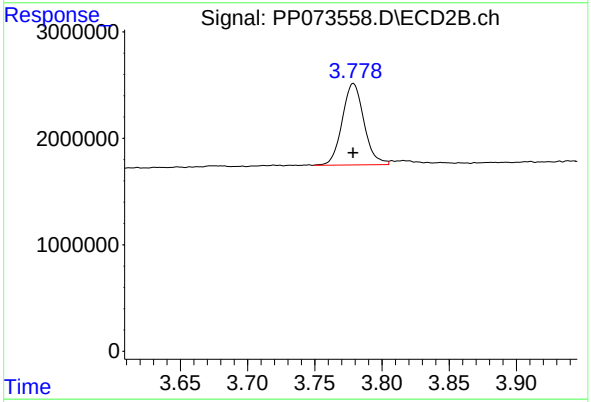
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

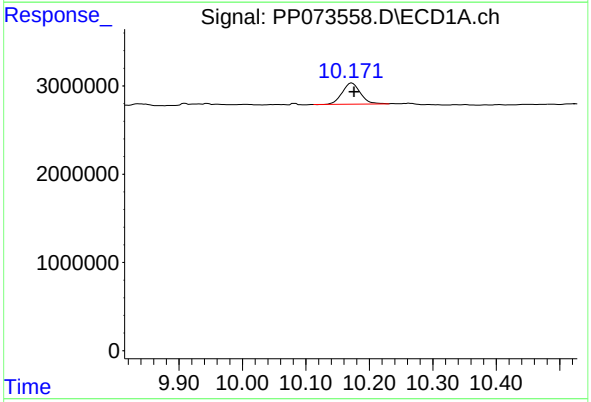
Manual Integrations APPROVED

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



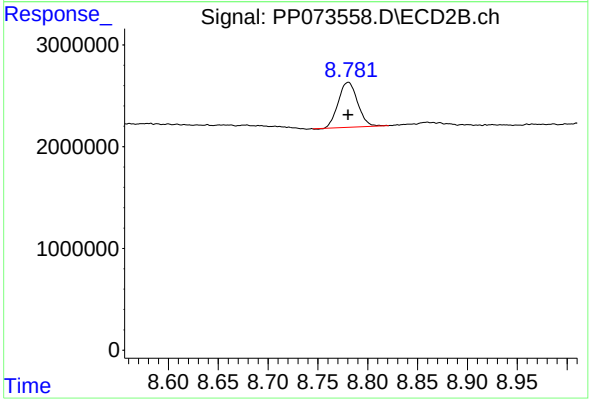
#1 Tetrachloro-m-xylene

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



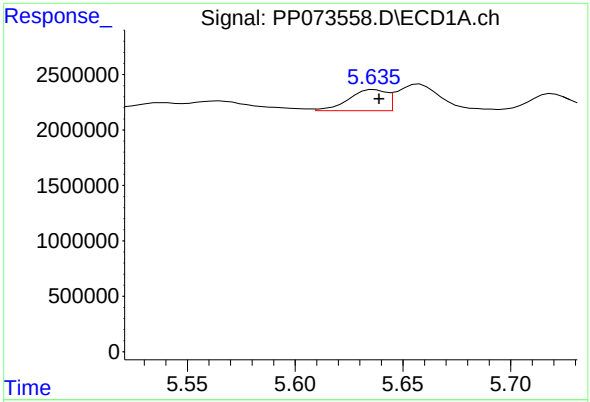
#2 Decachlorobiphenyl

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



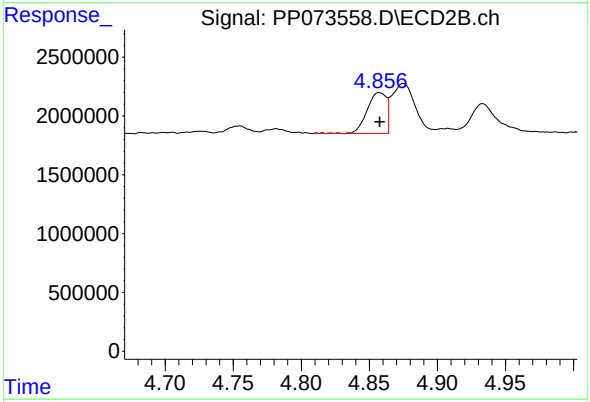
#3 AR-1016-1

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

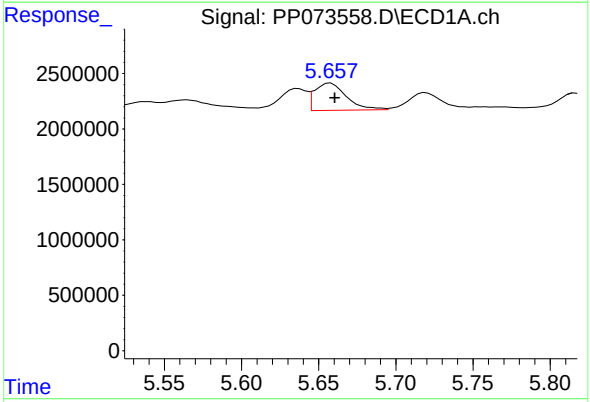
Manual Integrations APPROVED

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



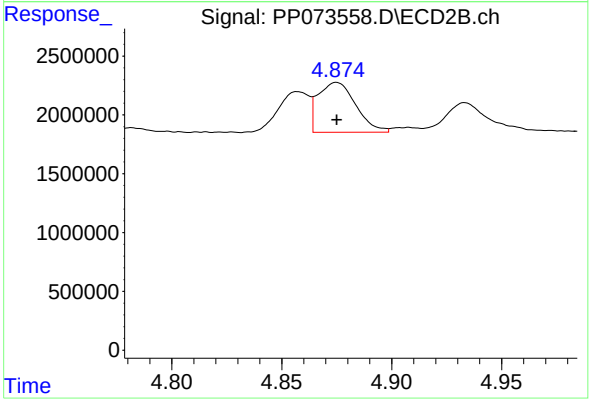
#3 AR-1016-1

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



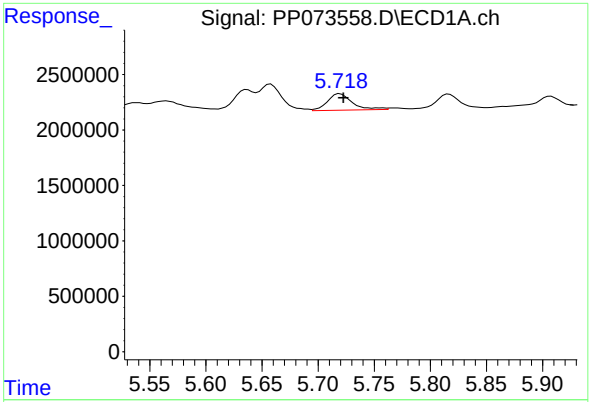
#4 AR-1016-2

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



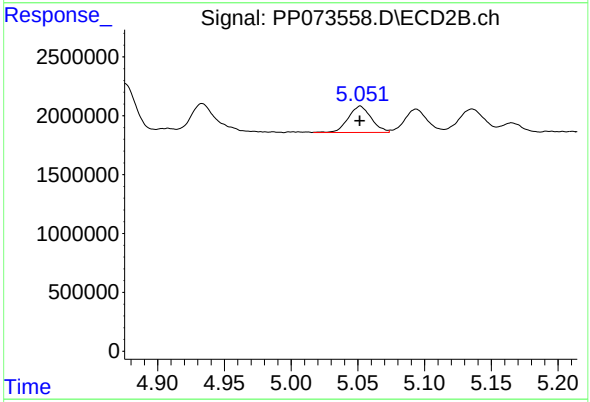
#5 AR-1016-3

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

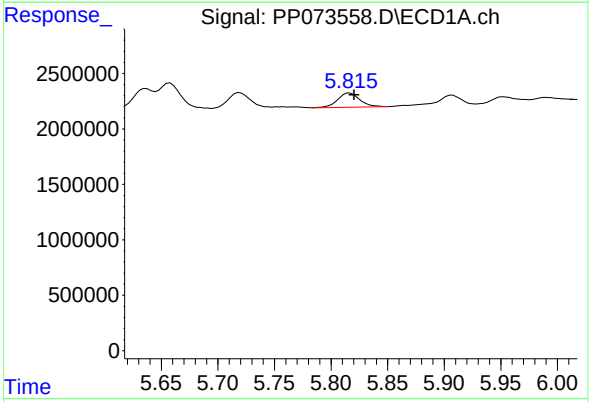
Manual Integrations APPROVED

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



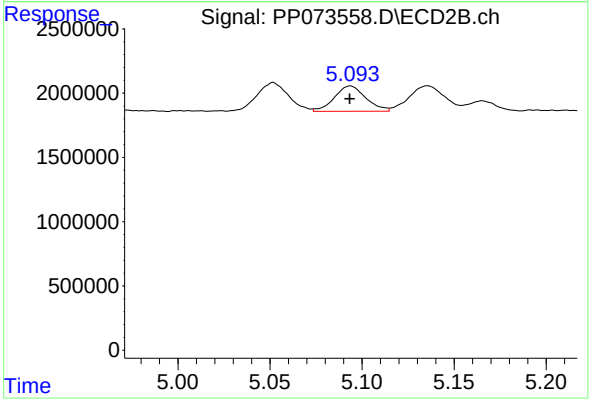
#5 AR-1016-3

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



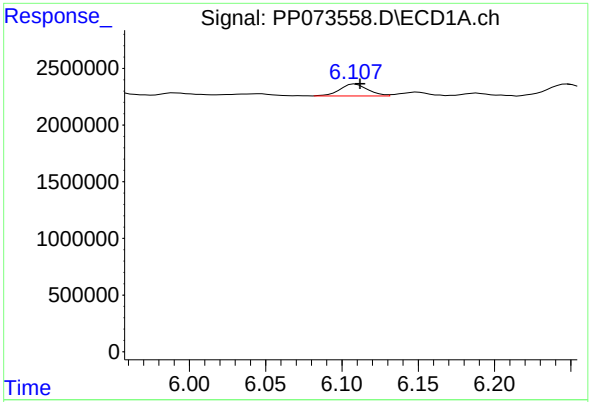
#6 AR-1016-4

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



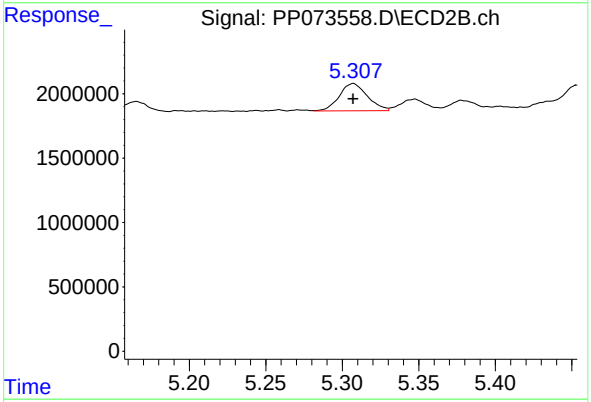
#7 AR-1016-5

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

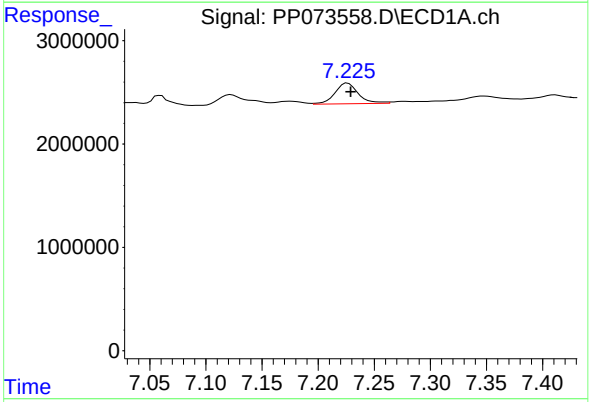
Manual Integrations APPROVED

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



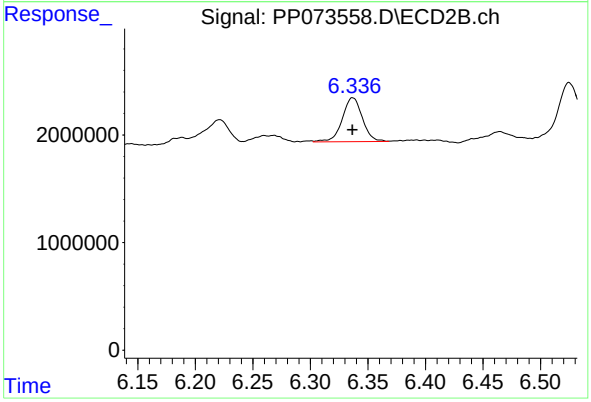
#7 AR-1016-5

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



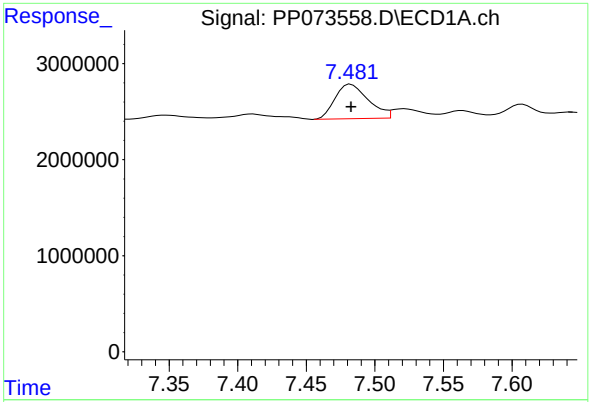
#31 AR-1260-1

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



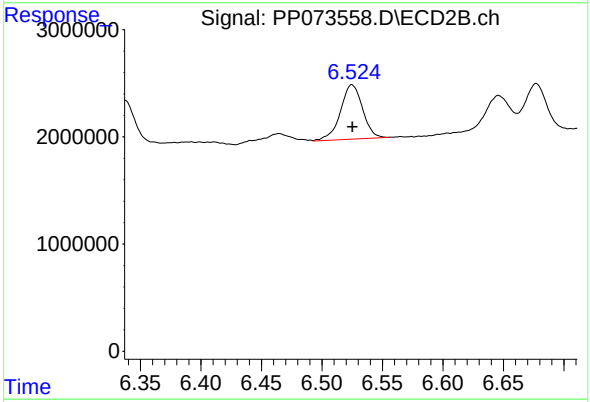
#32 AR-1260-2

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

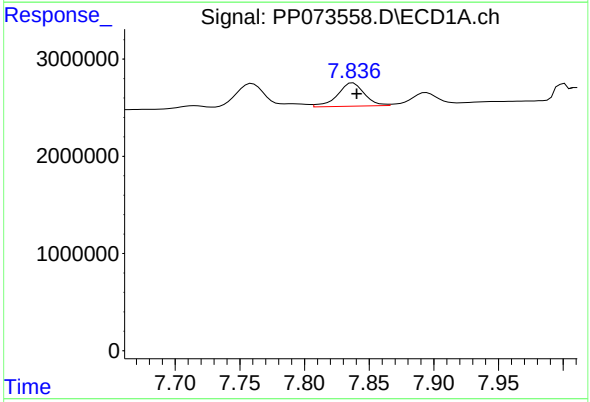
Manual Integrations APPROVED

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



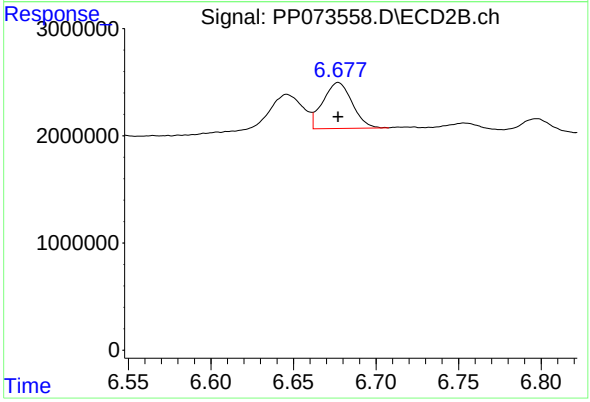
#32 AR-1260-2

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



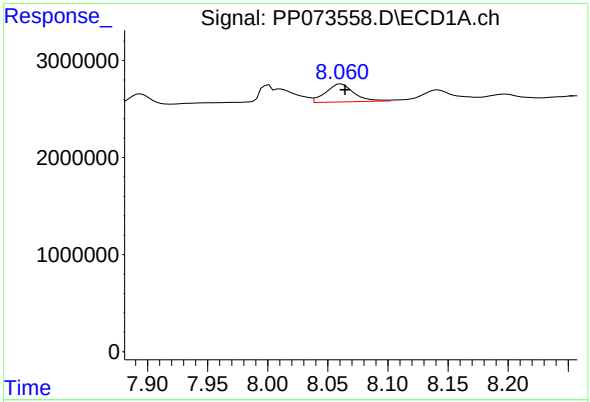
#33 AR-1260-3

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



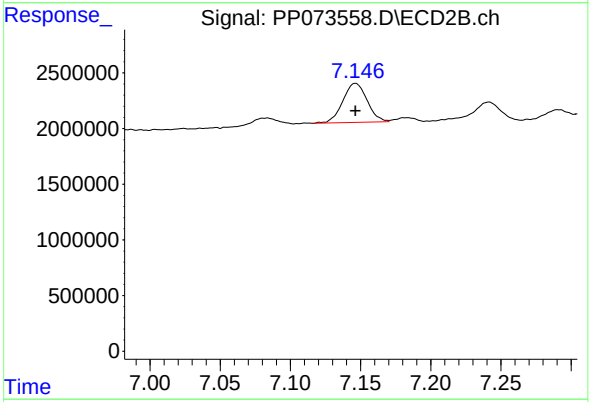
#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

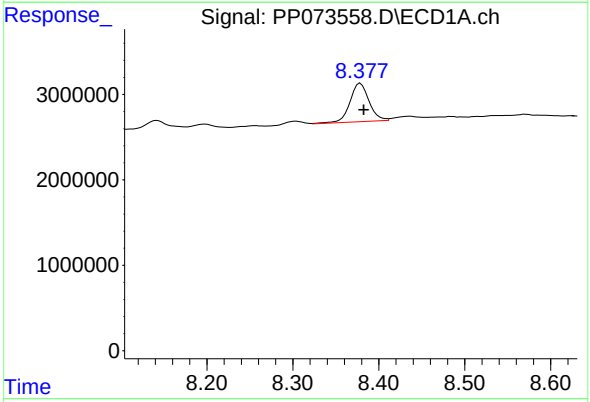
Manual Integrations APPROVED

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



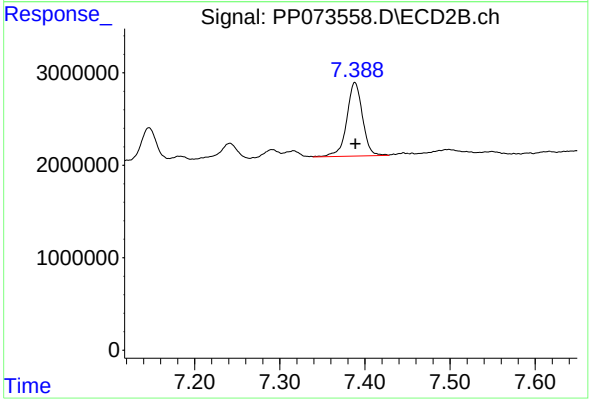
#34 AR-1260-4

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)

ICAL Form

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.

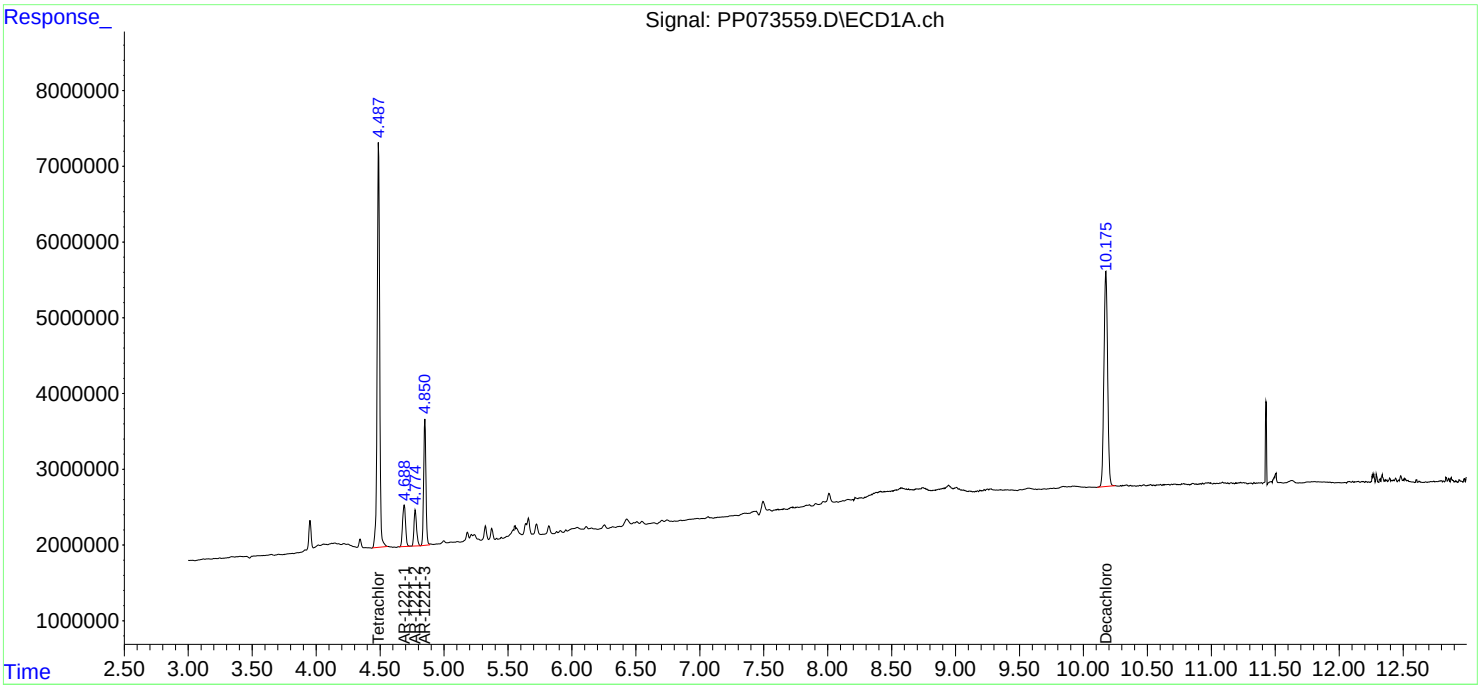
ICAL Form

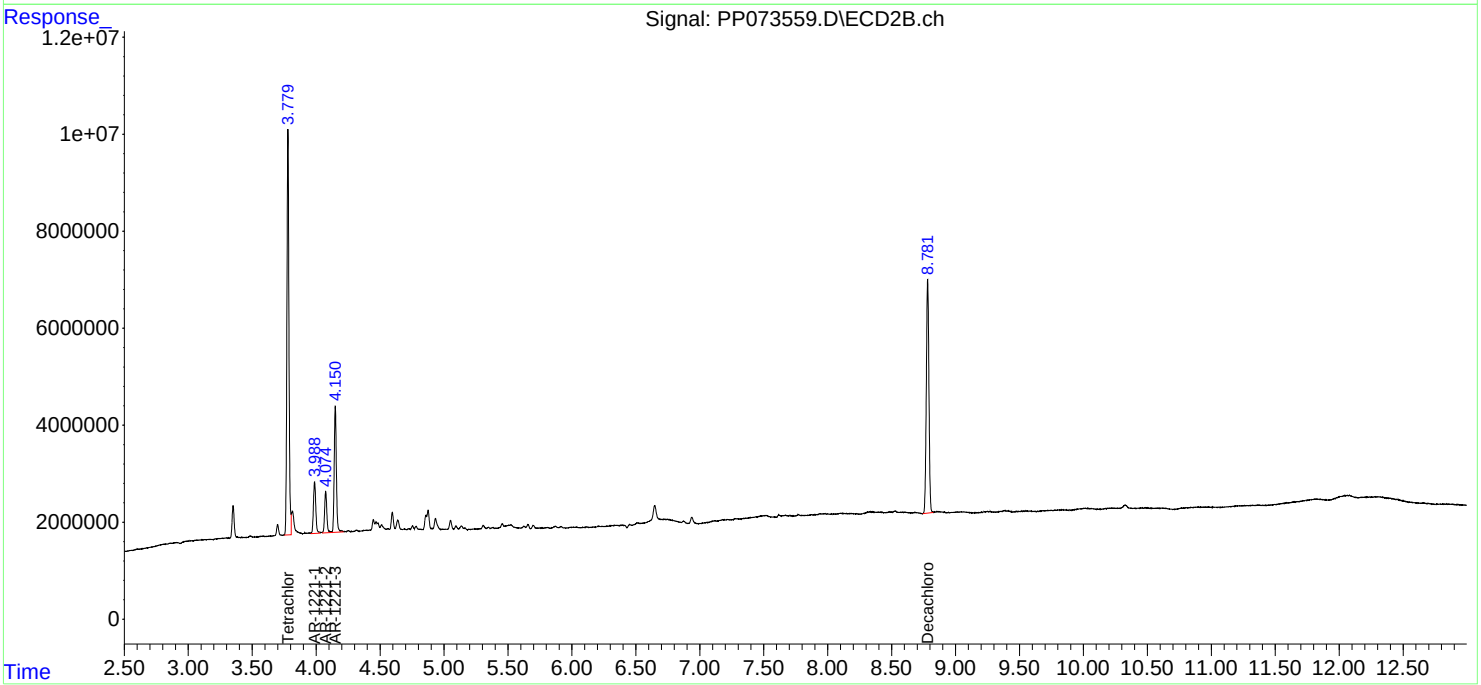
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:24
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

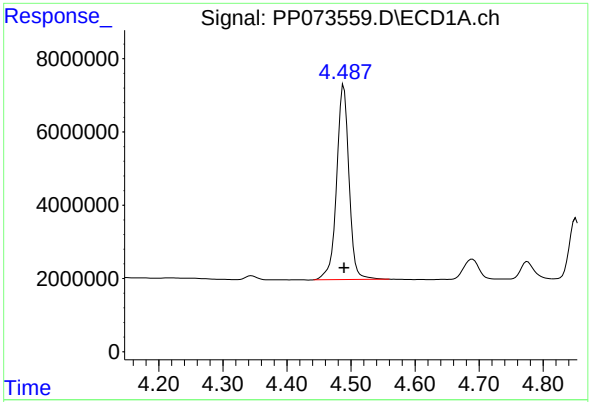
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

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



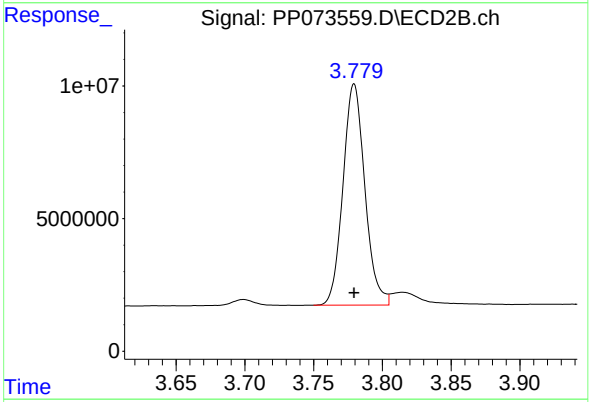




#1 Tetrachloro-m-xylene

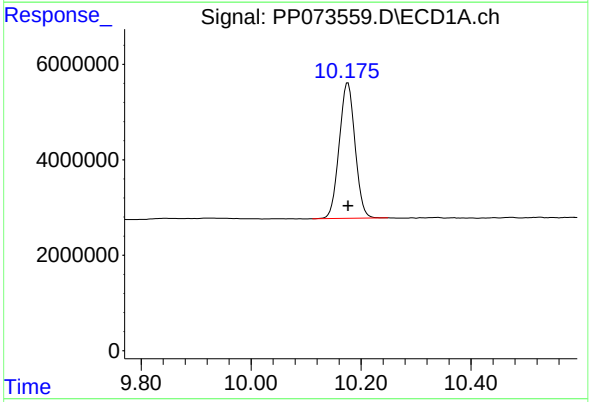
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 71300233
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



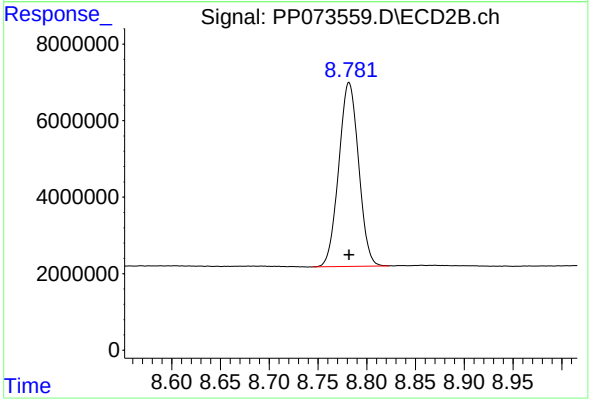
#1 Tetrachloro-m-xylene

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



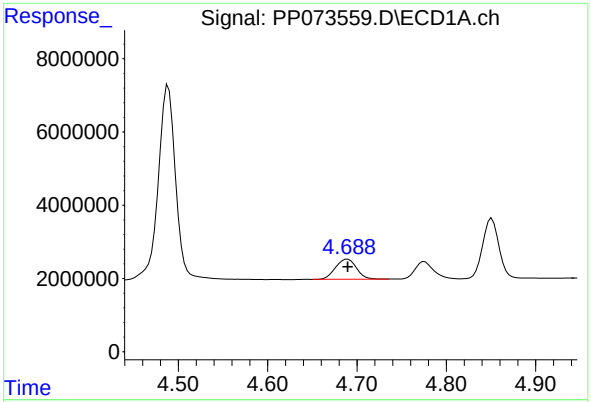
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

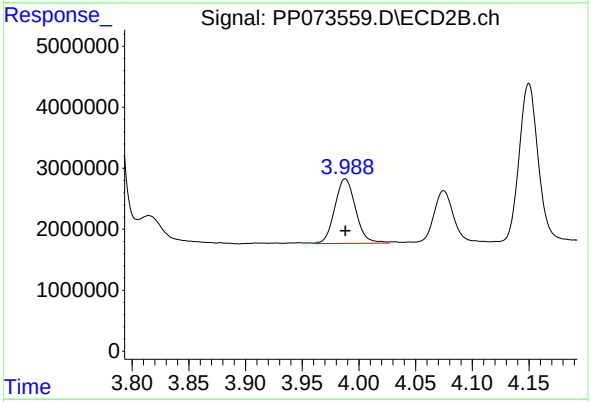
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 68180160
Conc: 50.00 ng/ml



#8 AR-1221-1

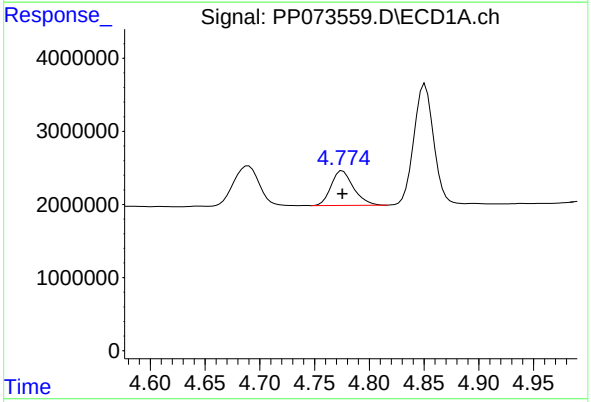
R.T.: 4.690 min
Delta R.T.: 0.000 min
Response: 8933218
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



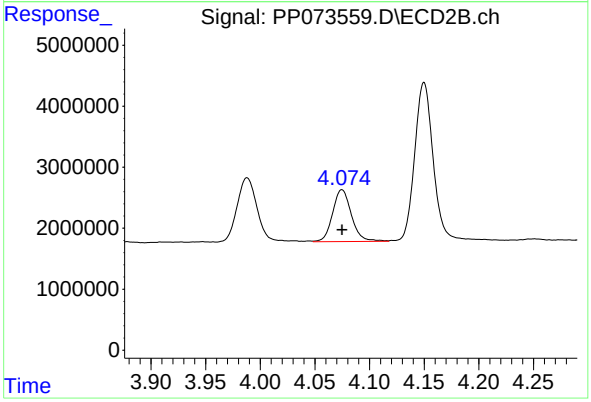
#8 AR-1221-1

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



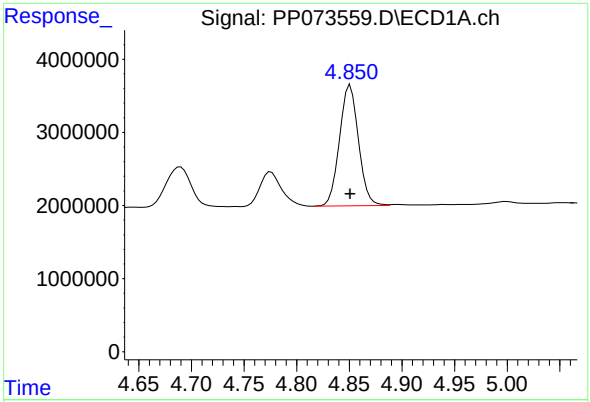
#9 AR-1221-2

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



#9 AR-1221-2

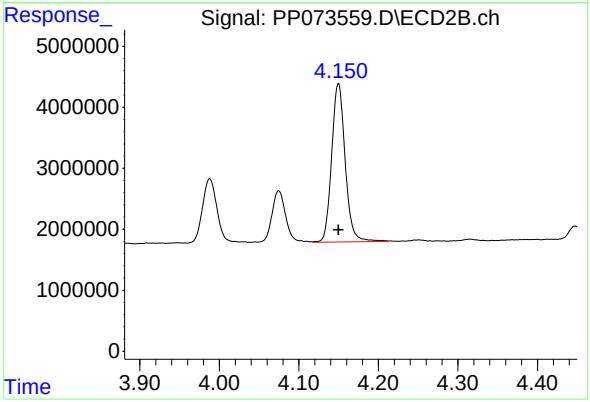
R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 10180159
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

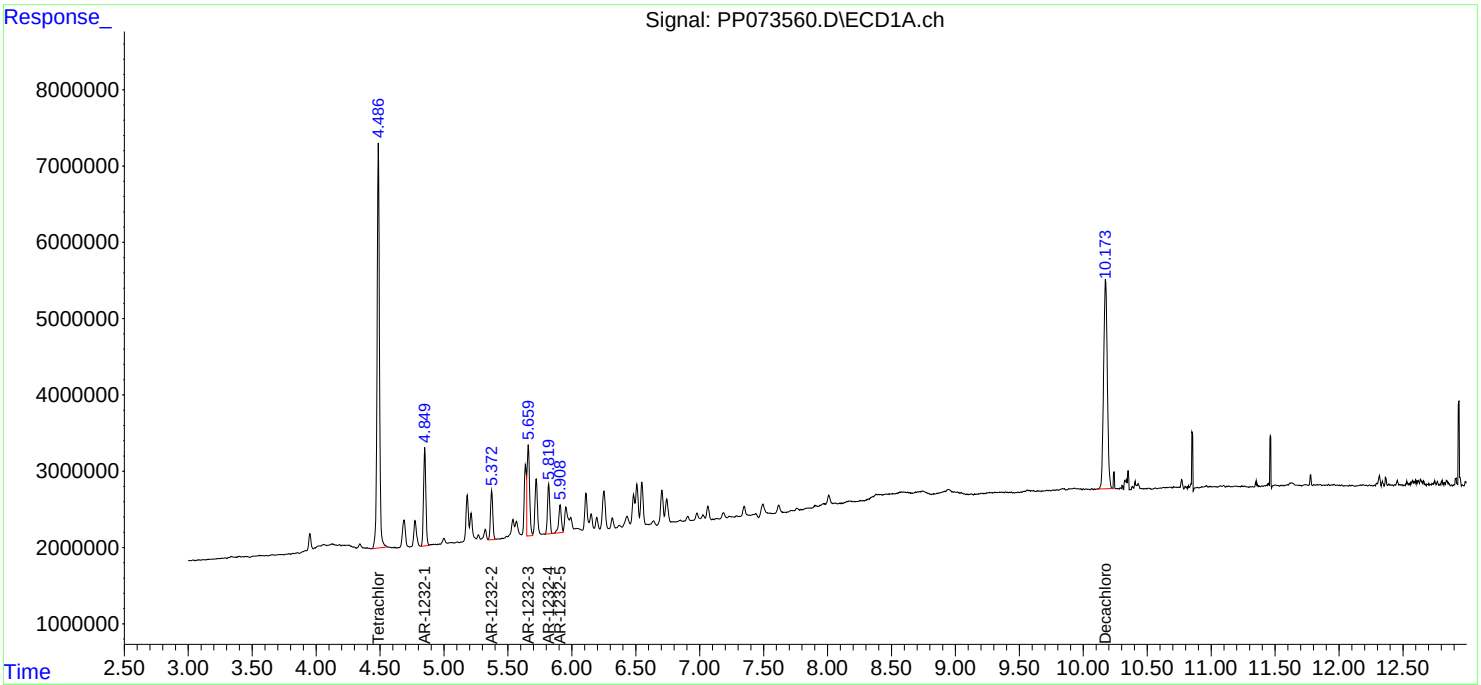
ICAL Form

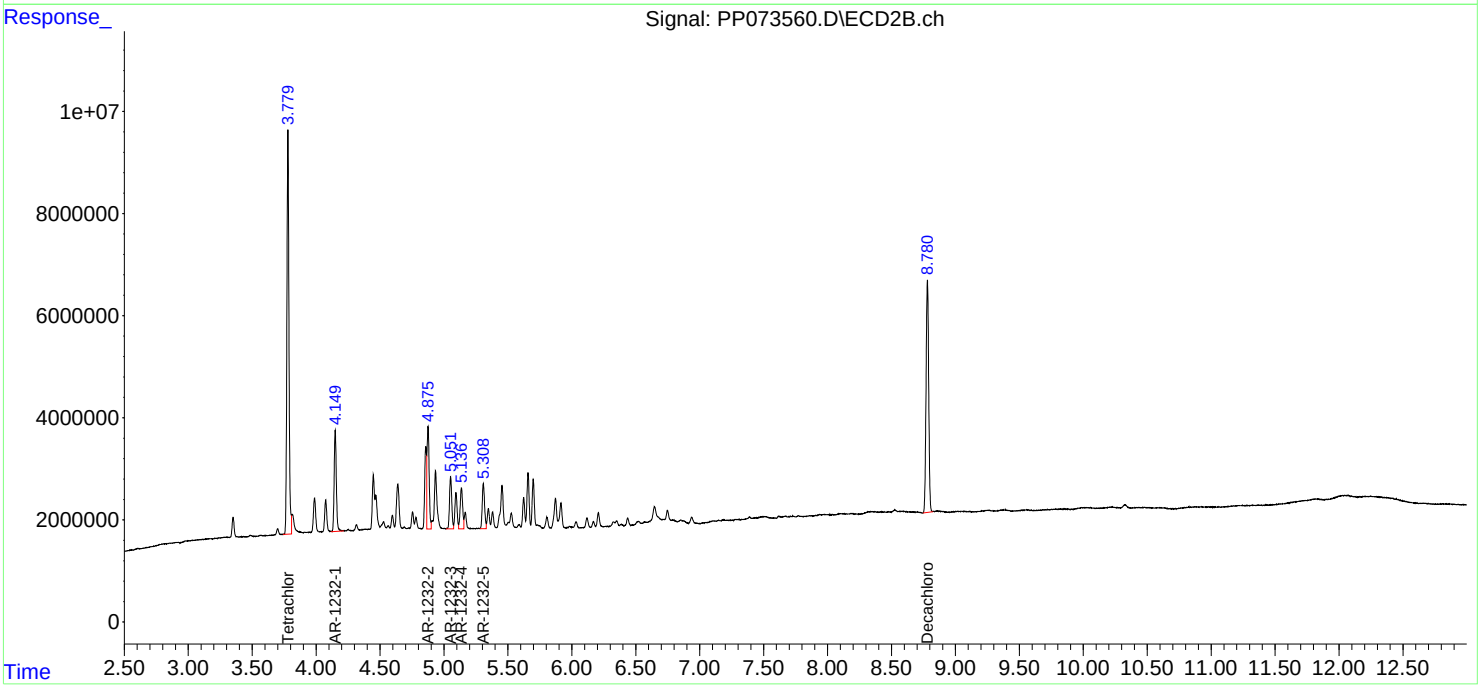
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:41
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

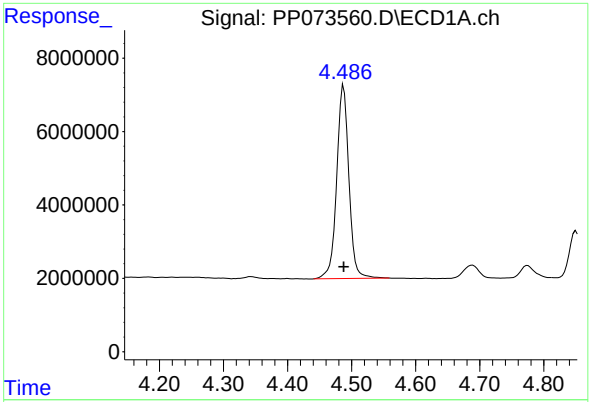
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

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



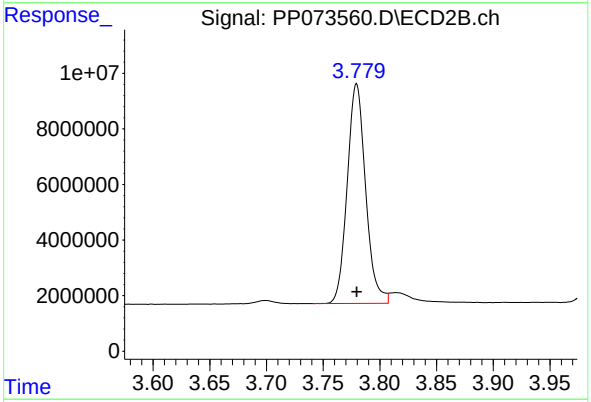




#1 Tetrachloro-m-xylene

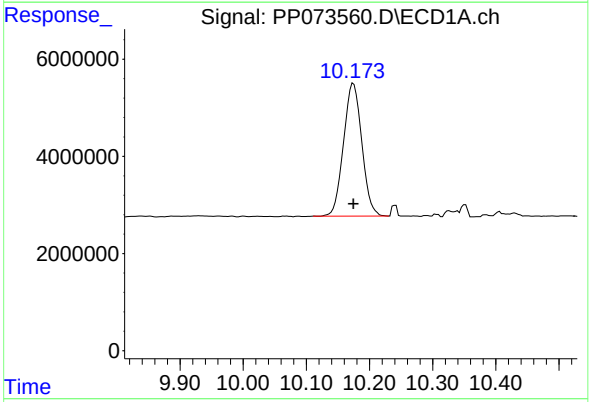
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 69747801
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



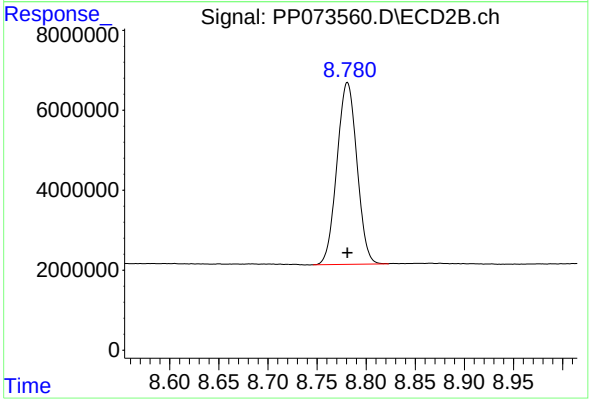
#1 Tetrachloro-m-xylene

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



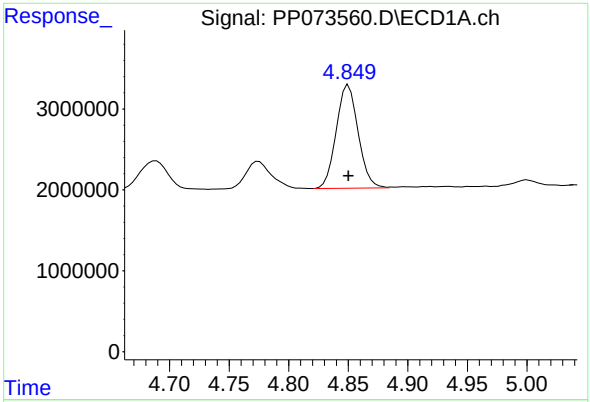
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

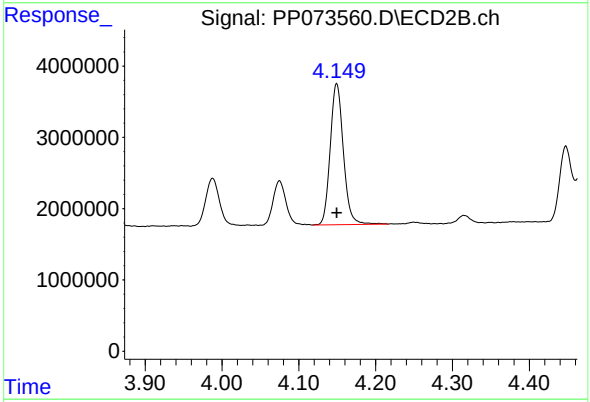
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 64481917
Conc: 50.00 ng/ml



#11 AR-1232-1

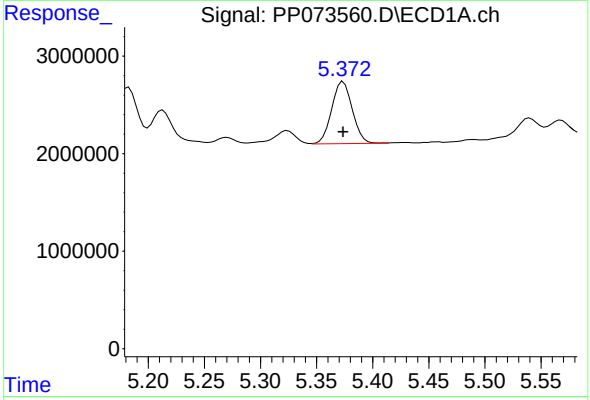
R.T.: 4.850 min
Delta R.T.: 0.000 min
Response: 16325352
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



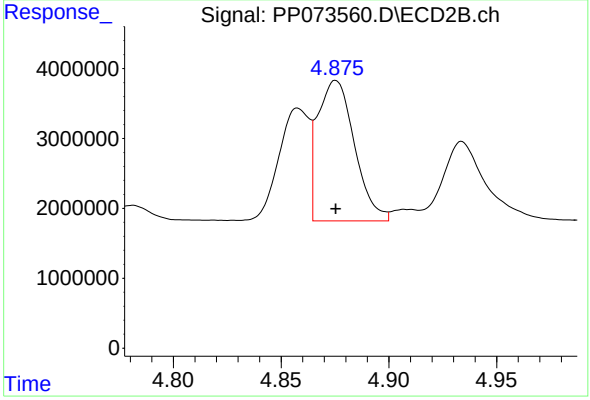
#11 AR-1232-1

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



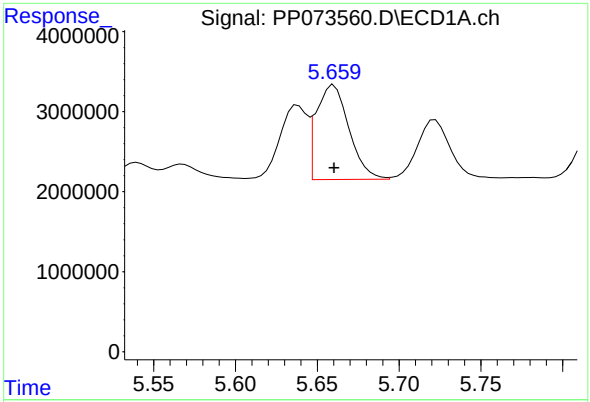
#12 AR-1232-2

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



#12 AR-1232-2

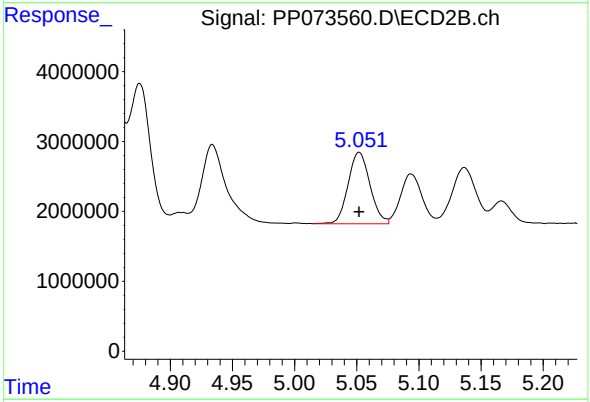
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 23829904
Conc: 500.00 ng/ml



#13 AR-1232-3

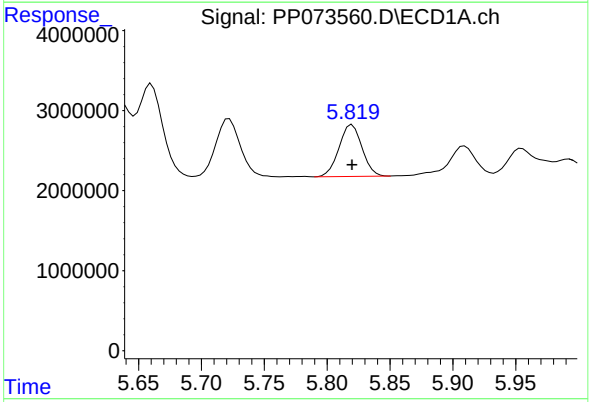
R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 16496729
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



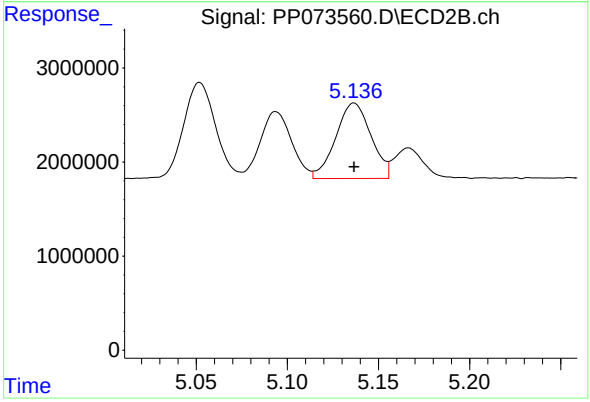
#13 AR-1232-3

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



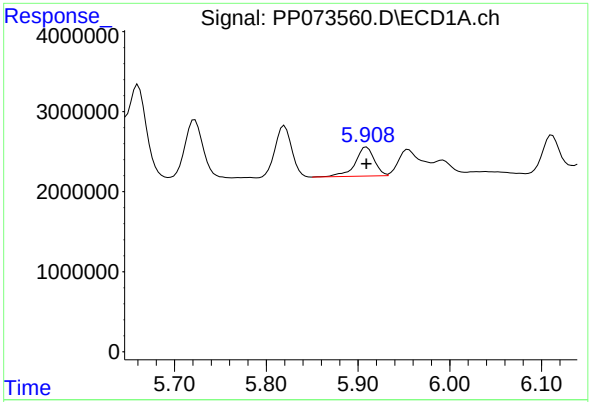
#14 AR-1232-4

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



#14 AR-1232-4

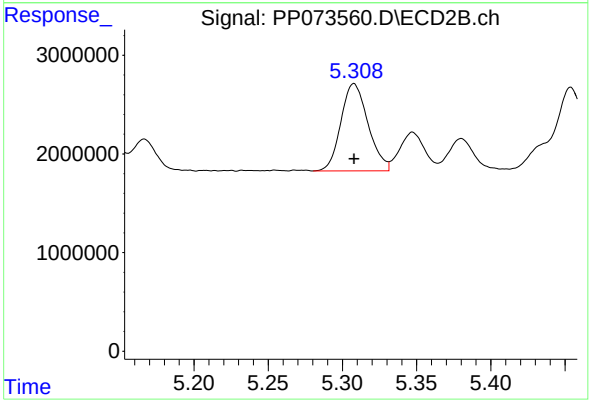
R.T.: 5.137 min
Delta R.T.: 0.000 min
Response: 10828145
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

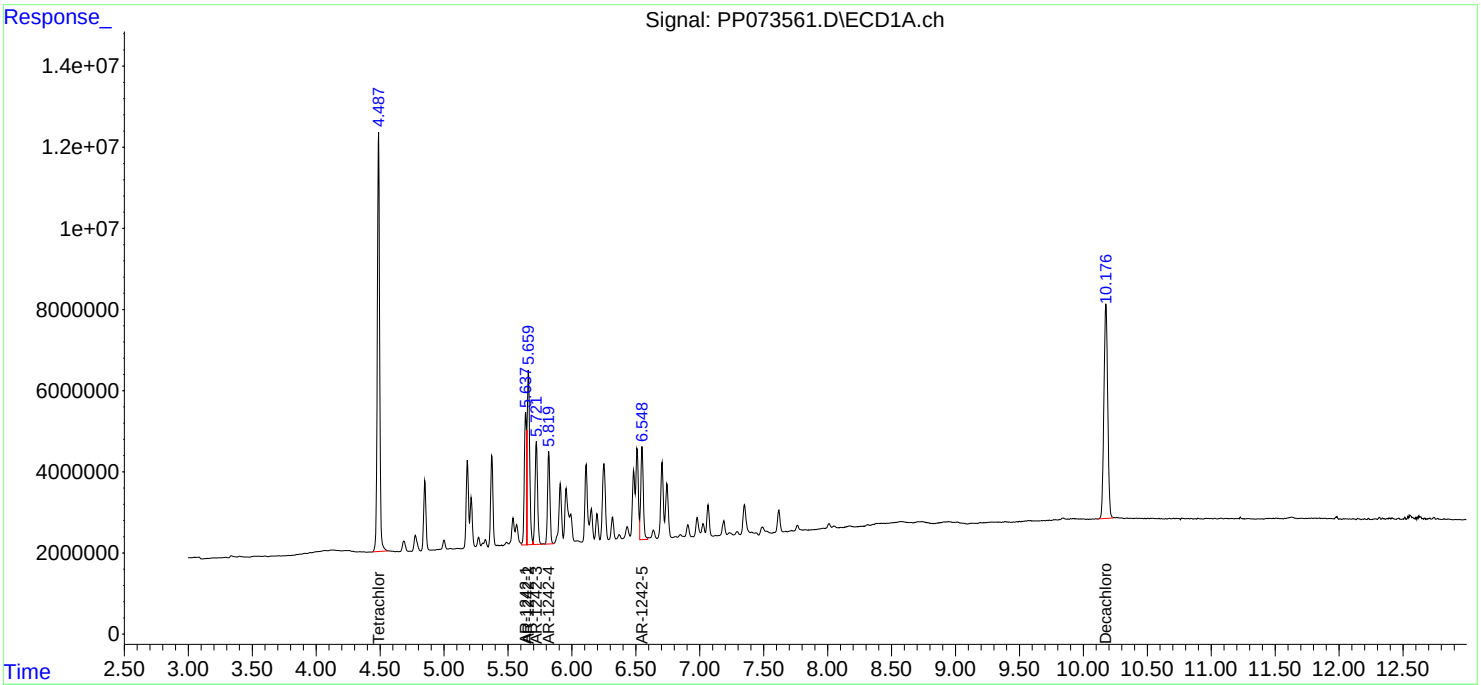
ICAL Form

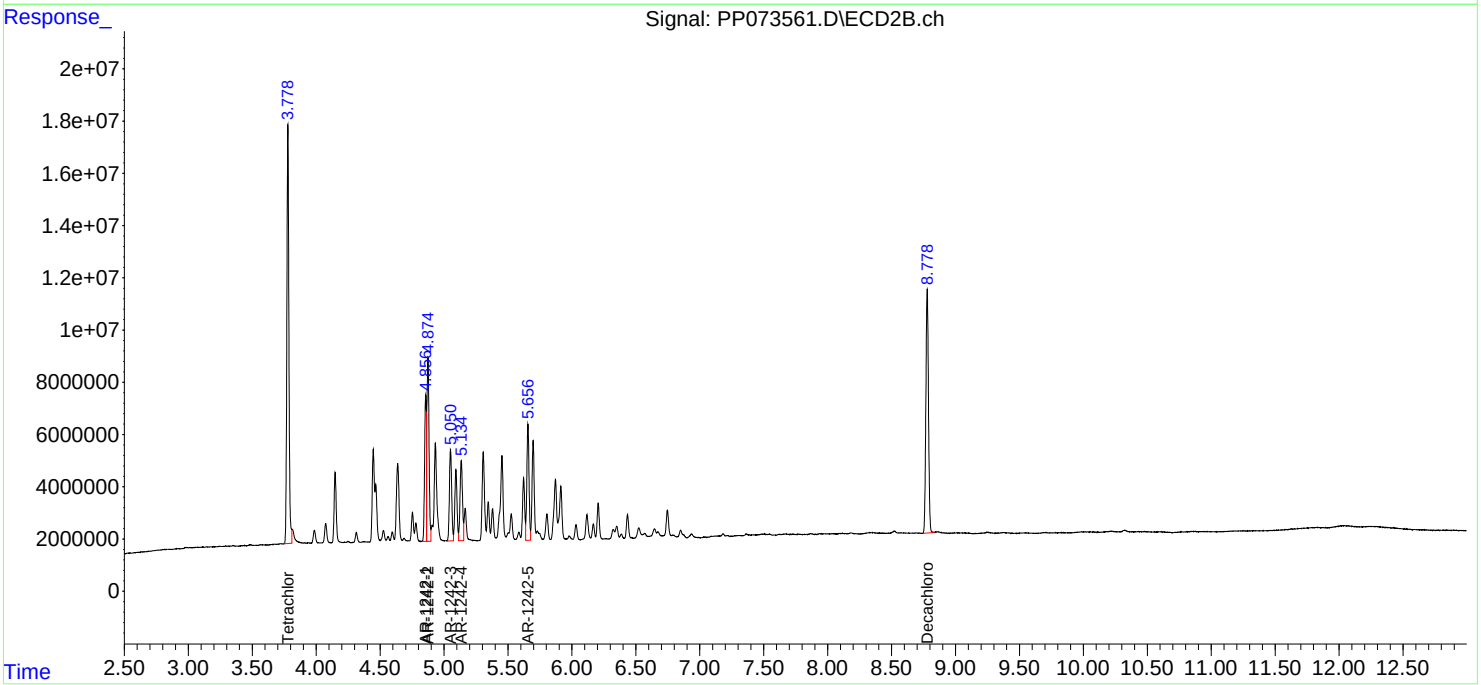
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:57
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

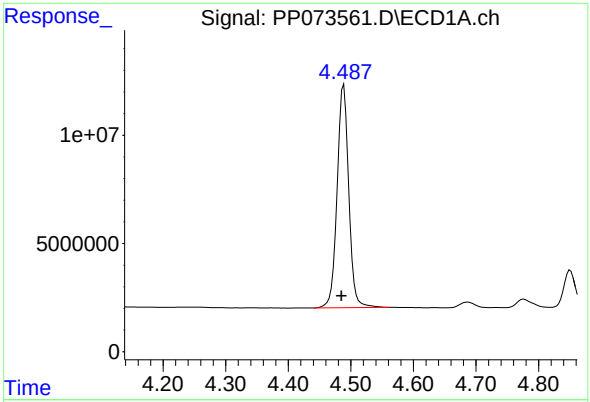
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

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



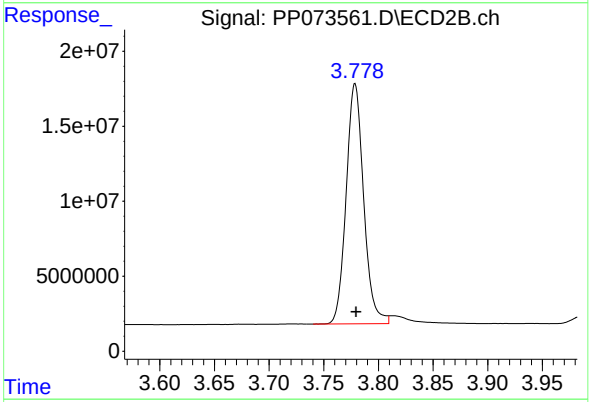




#1 Tetrachloro-m-xylene

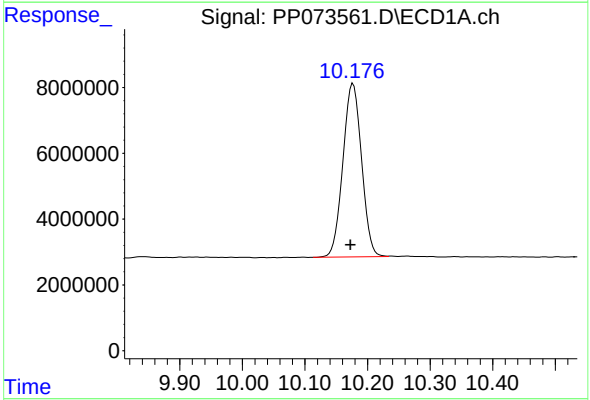
R.T.: 4.489 min
Delta R.T.: 0.004 min
Response: 133642467
Conc: 93.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



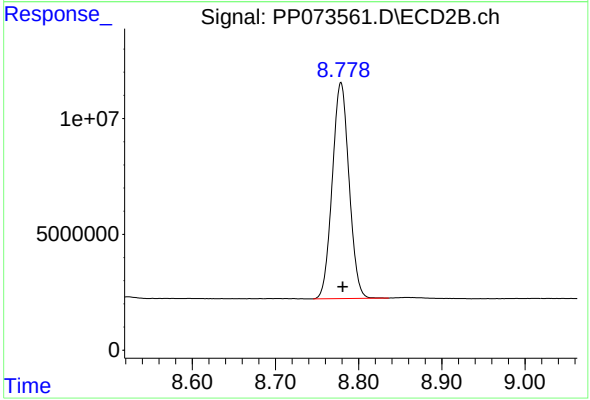
#1 Tetrachloro-m-xylene

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



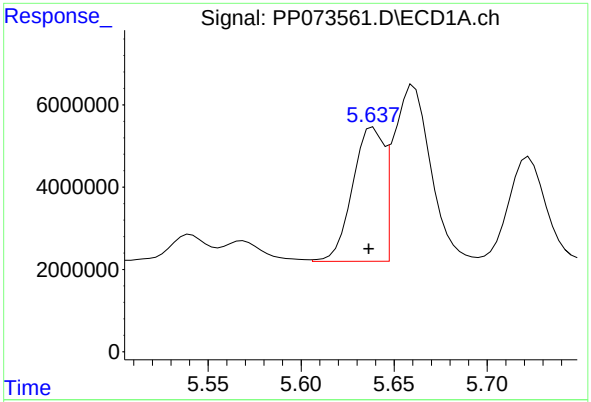
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

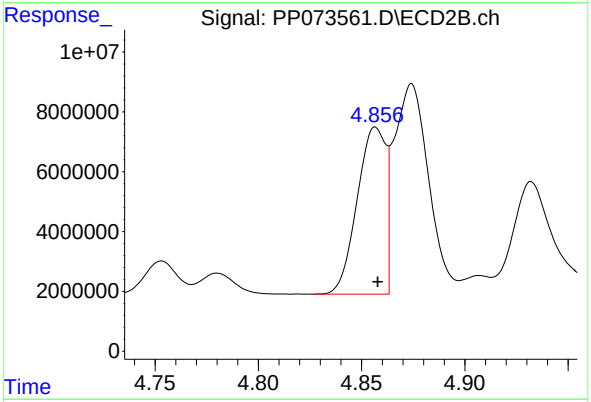
R.T.: 8.779 min
Delta R.T.: -0.002 min
Response: 130664248
Conc: 96.57 ng/ml



#16 AR-1242-1

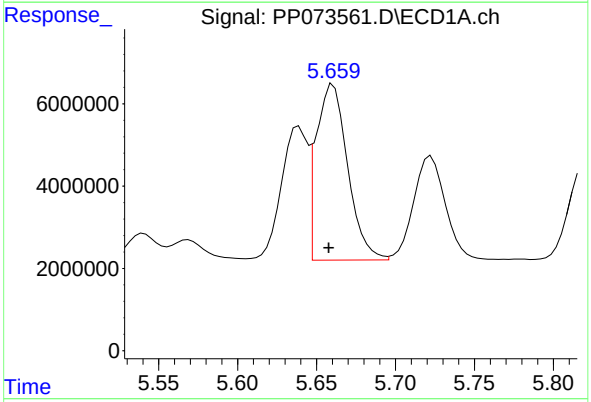
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 37824570
Conc: 927.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



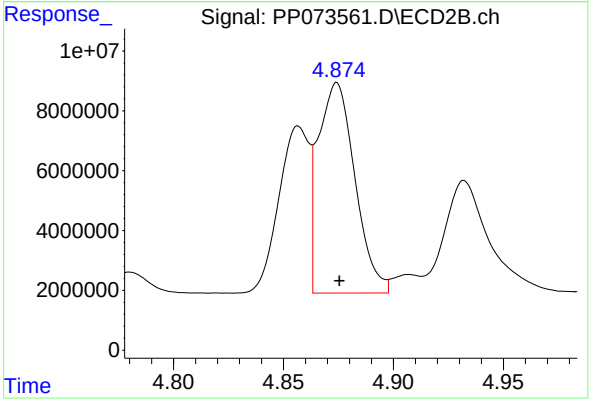
#16 AR-1242-1

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



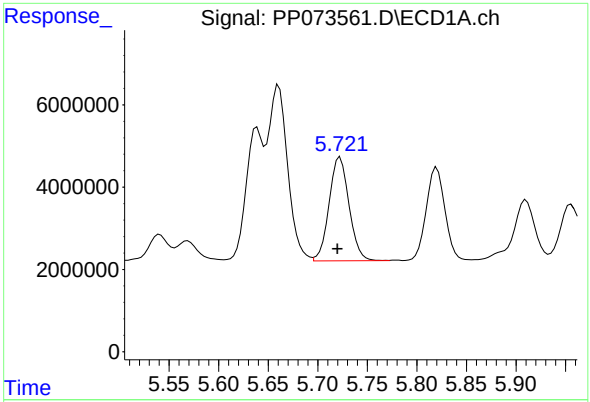
#17 AR-1242-2

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



#17 AR-1242-2

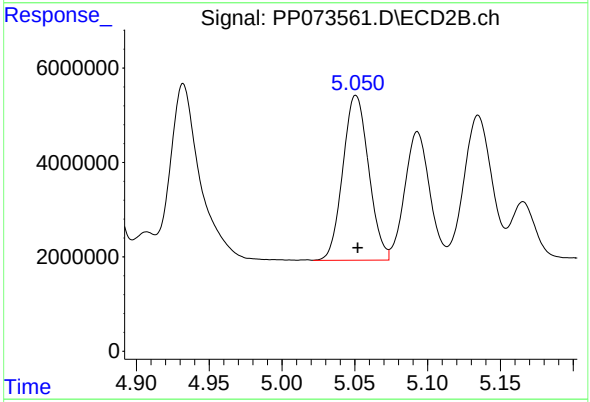
R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 81745742
Conc: 919.24 ng/ml



#18 AR-1242-3

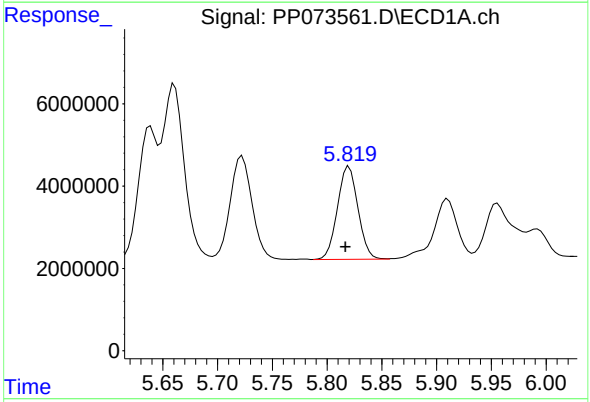
R.T.: 5.723 min
Delta R.T.: 0.003 min
Response: 35307728
Conc: 927.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



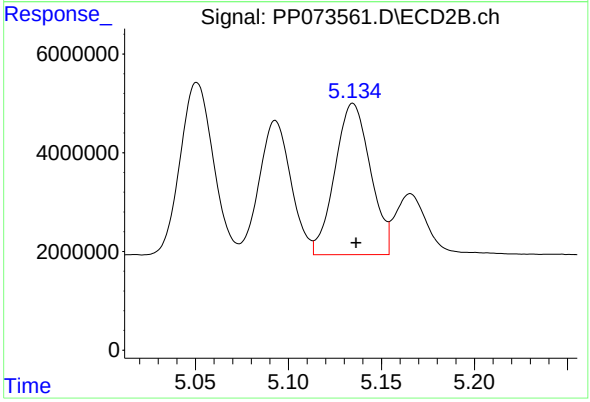
#18 AR-1242-3

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



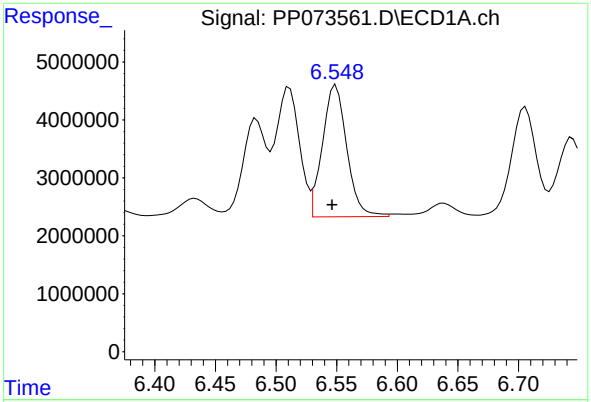
#19 AR-1242-4

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



#19 AR-1242-4

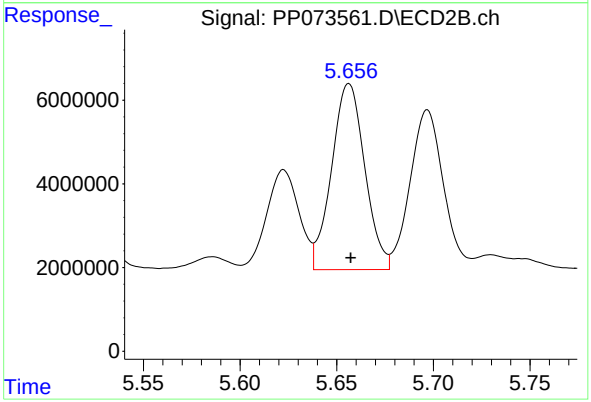
R.T.: 5.135 min
Delta R.T.: -0.002 min
Response: 40719317
Conc: 902.53 ng/ml



#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)

ICAL Form

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

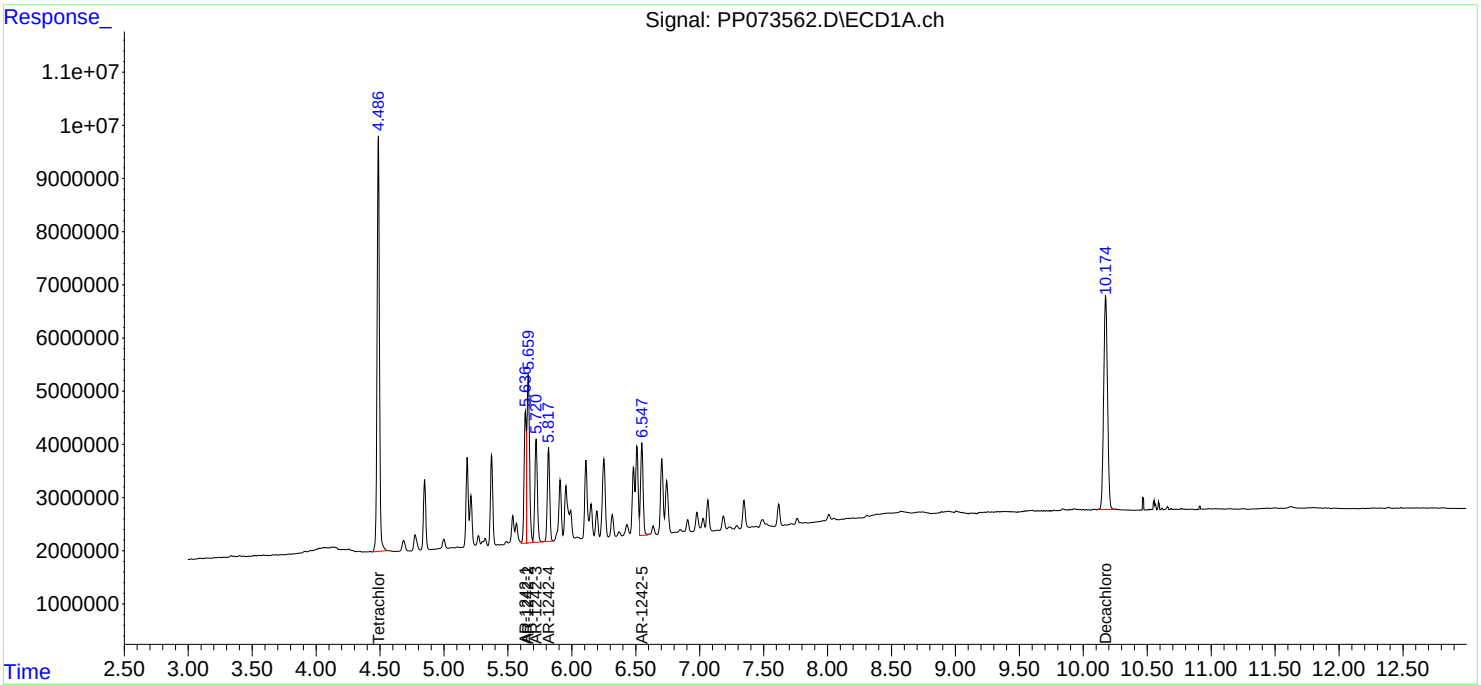
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

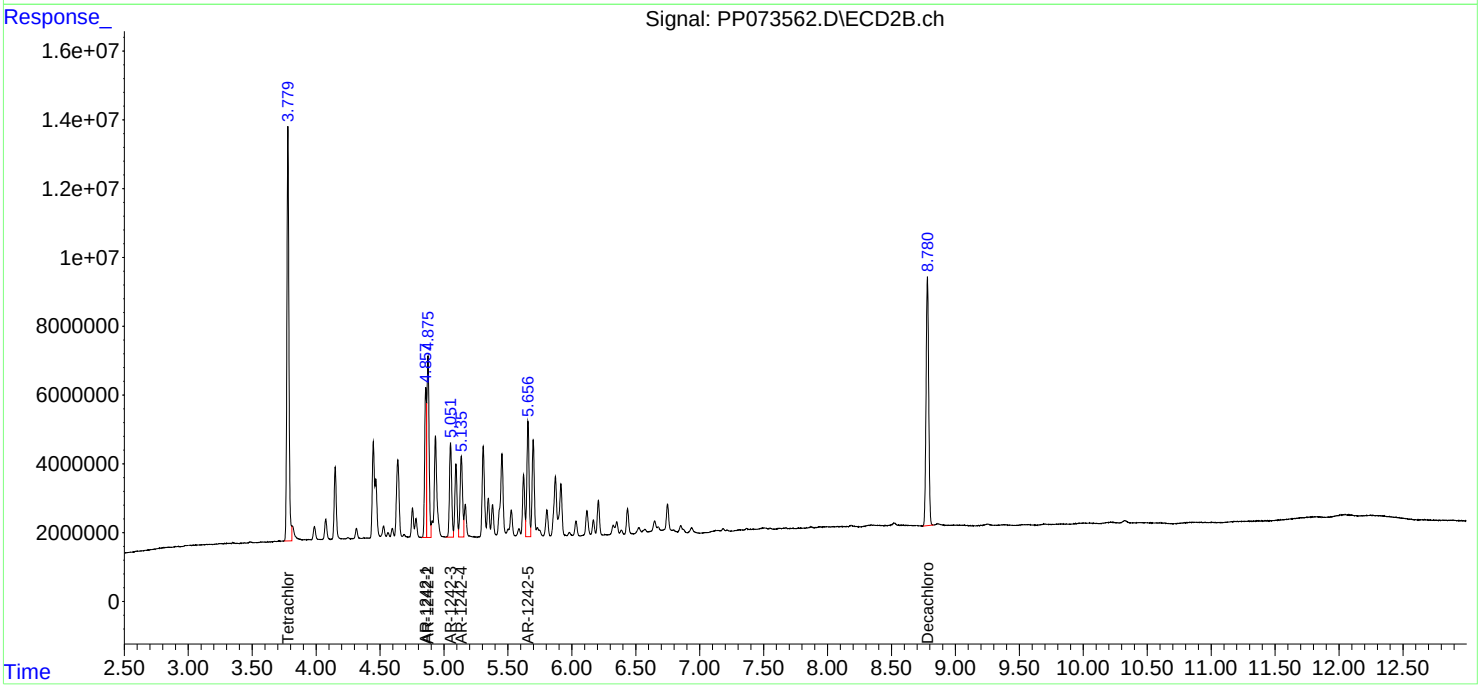
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:14
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

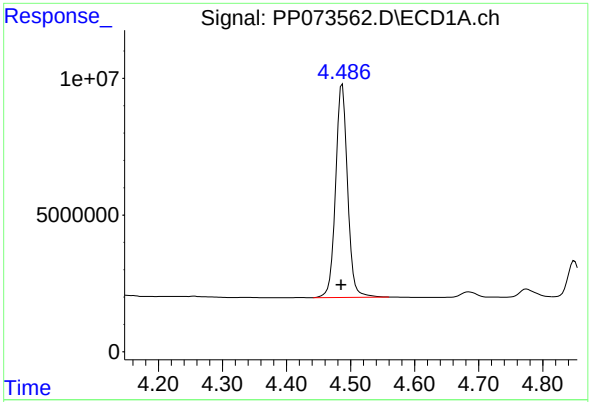
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

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



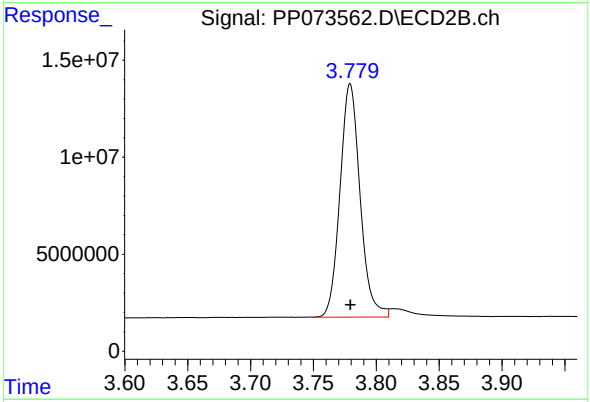




#1 Tetrachloro-m-xylene

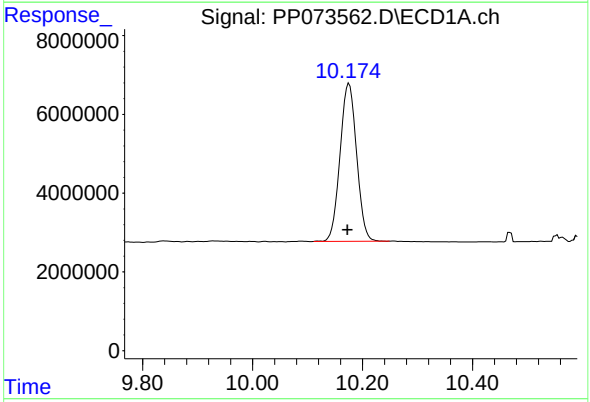
R.T.: 4.487 min
Delta R.T.: 0.002 min
Response: 101224890
Conc: 70.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



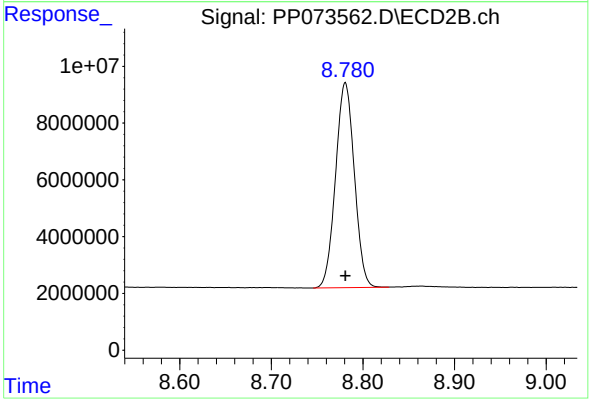
#1 Tetrachloro-m-xylene

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



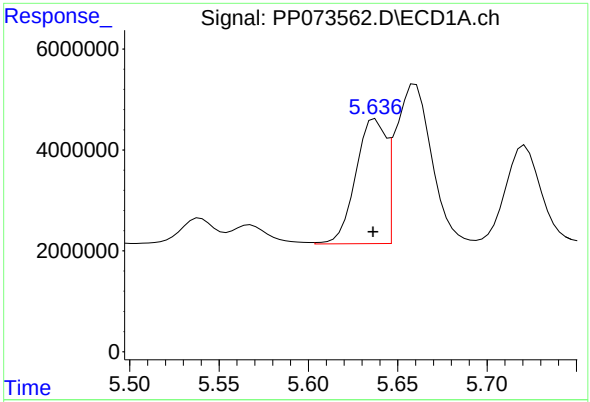
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

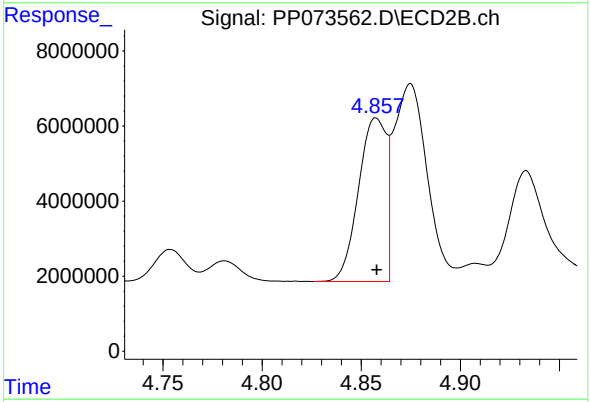
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 102748919
Conc: 75.94 ng/ml



#16 AR-1242-1

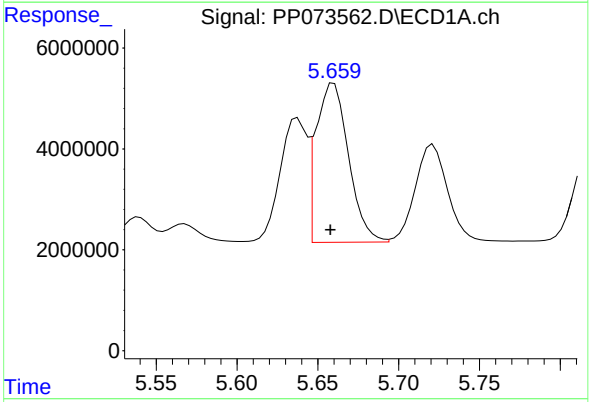
R.T.: 5.637 min
Delta R.T.: 0.001 min
Response: 28898659
Conc: 708.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



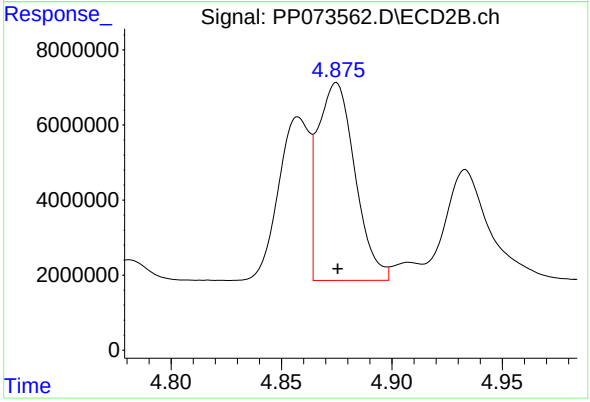
#16 AR-1242-1

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



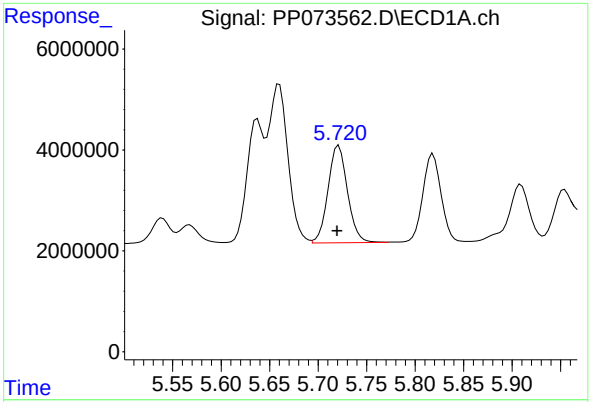
#17 AR-1242-2

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



#17 AR-1242-2

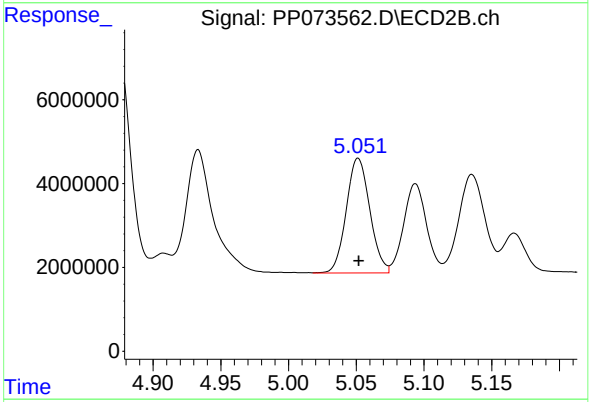
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 61742767
Conc: 694.31 ng/ml



#18 AR-1242-3

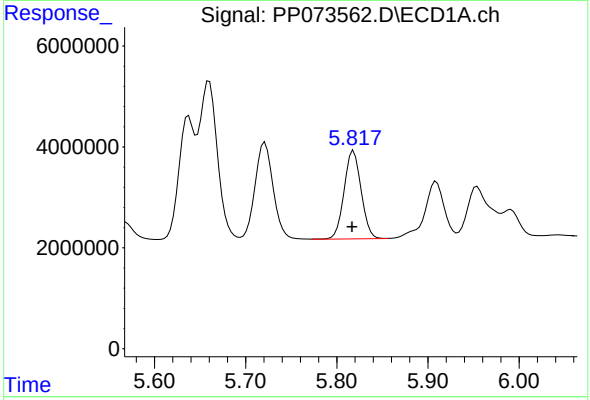
R.T.: 5.721 min
Delta R.T.: 0.002 min
Response: 26874126
Conc: 705.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



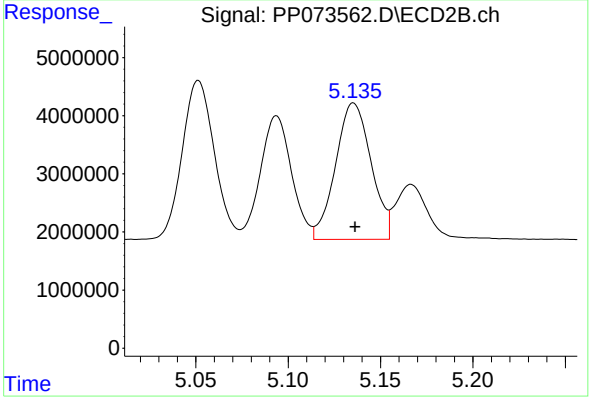
#18 AR-1242-3

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



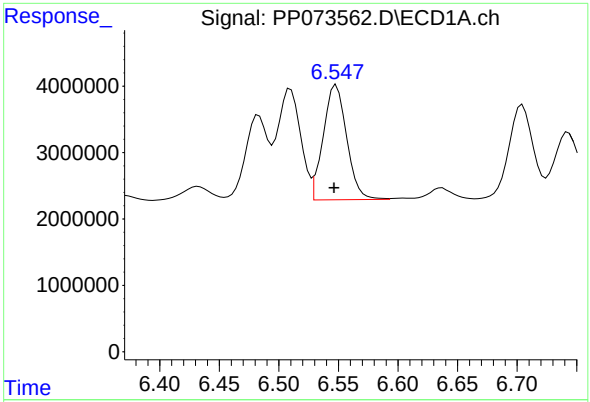
#19 AR-1242-4

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



#19 AR-1242-4

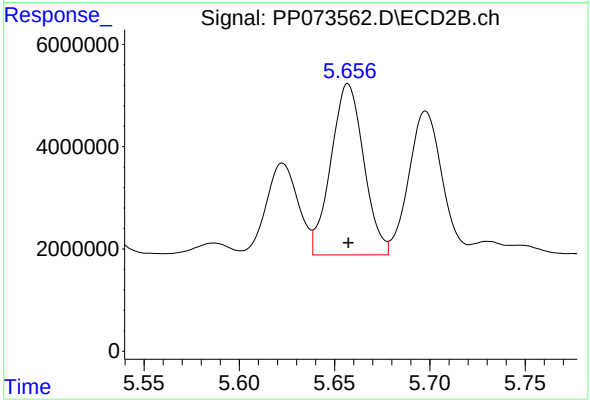
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 31400295
Conc: 695.97 ng/ml



#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)

ICAL Form

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.

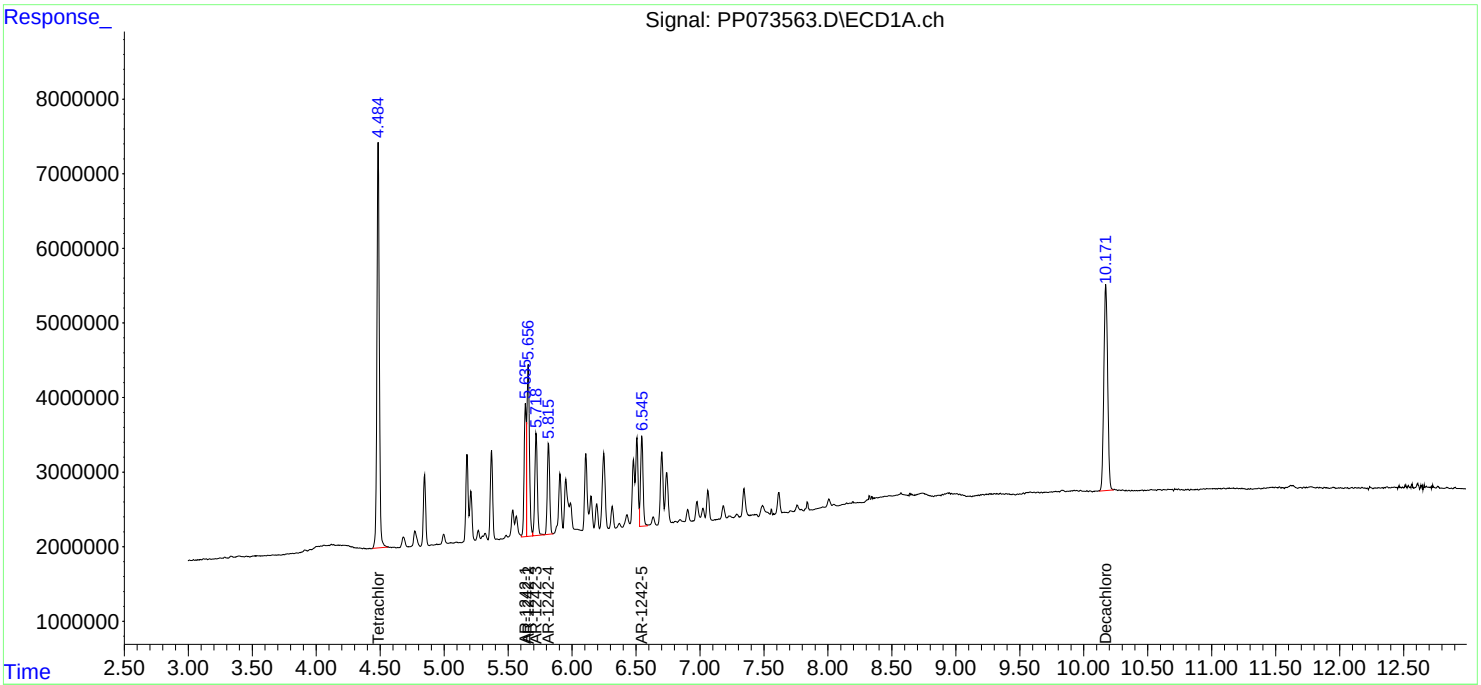
ICAL Form

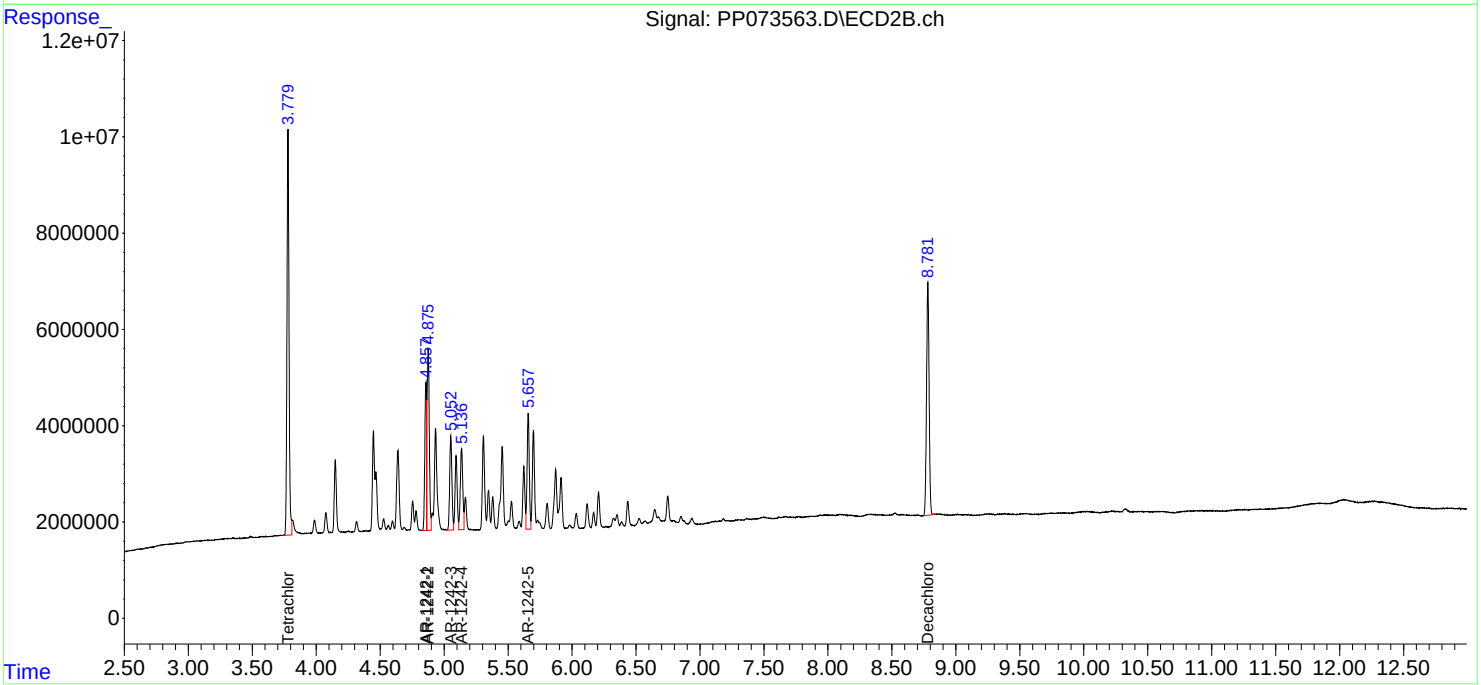
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:30
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

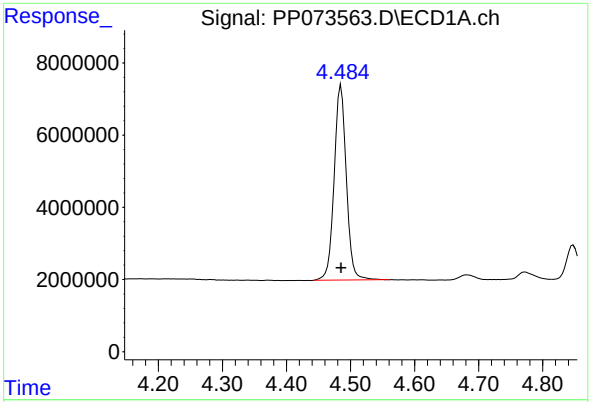
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

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



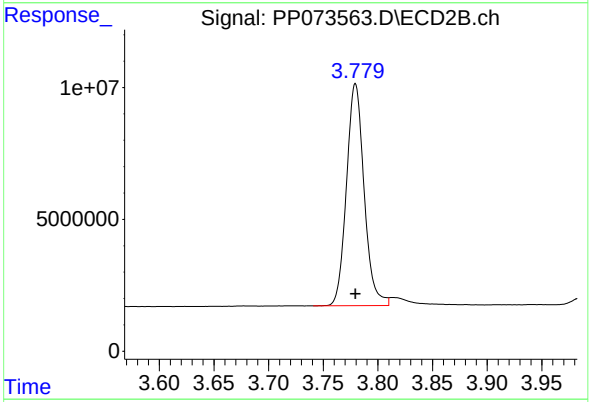




#1 Tetrachloro-m-xylene

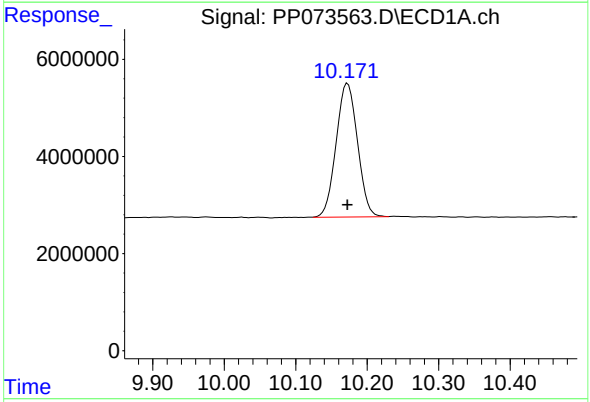
R.T.: 4.485 min
Delta R.T.: 0.000 min
Response: 71360618
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



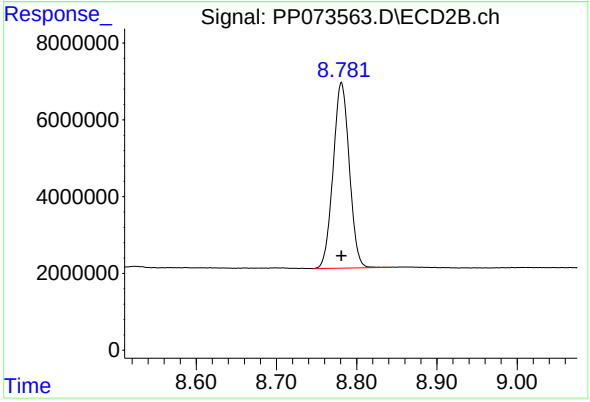
#1 Tetrachloro-m-xylene

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



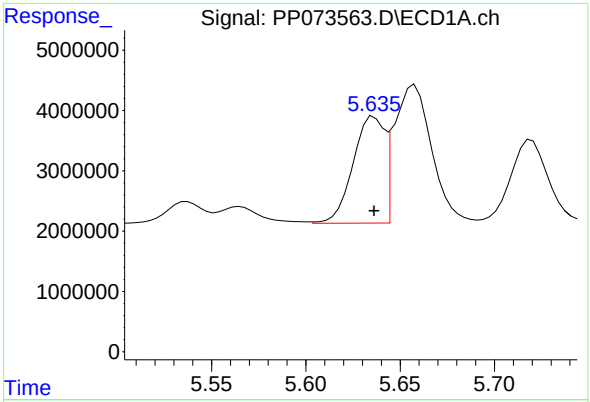
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

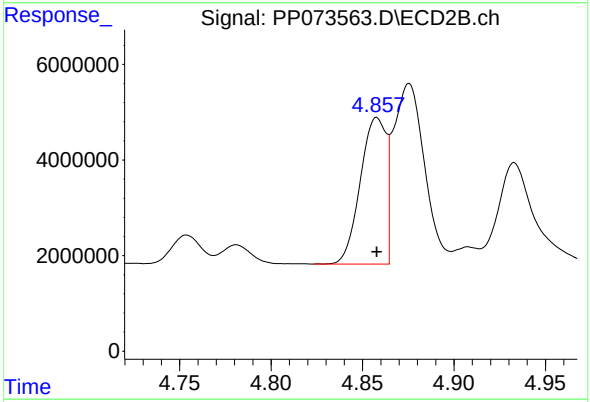
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 67650592
Conc: 50.00 ng/ml



#16 AR-1242-1

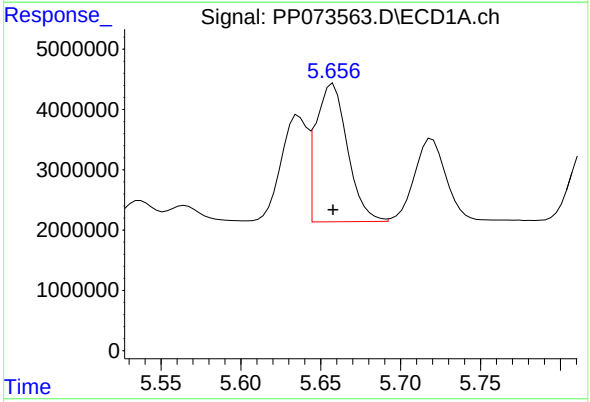
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 20382014
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



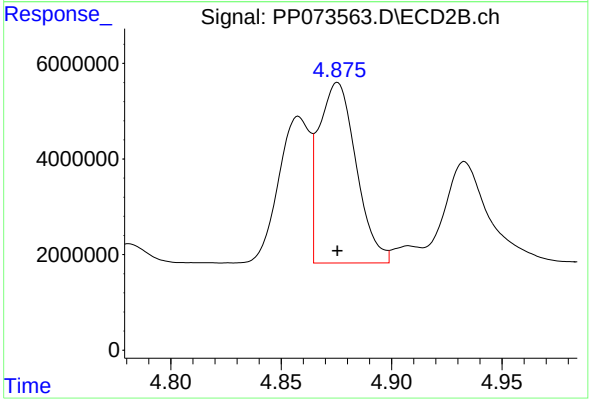
#16 AR-1242-1

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



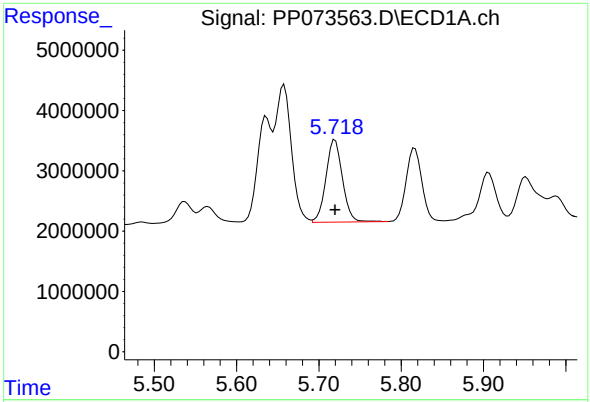
#17 AR-1242-2

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



#17 AR-1242-2

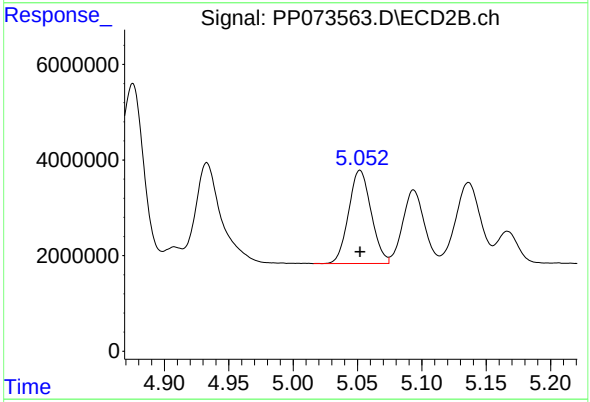
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 44463701
Conc: 500.00 ng/ml



#18 AR-1242-3

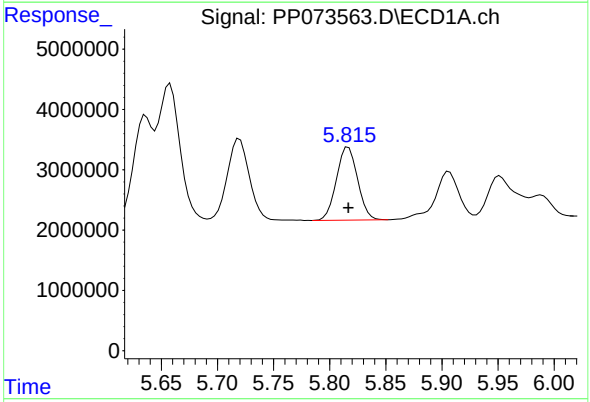
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 19033543
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



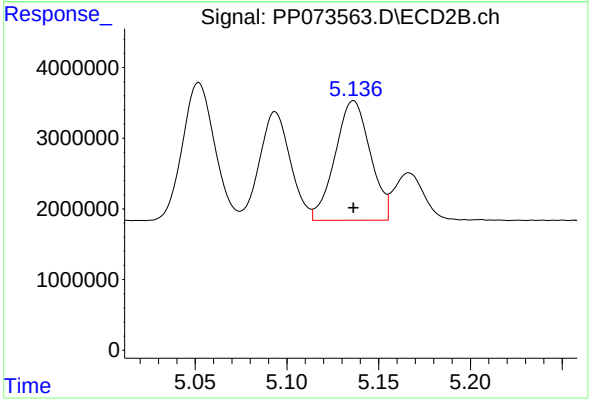
#18 AR-1242-3

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



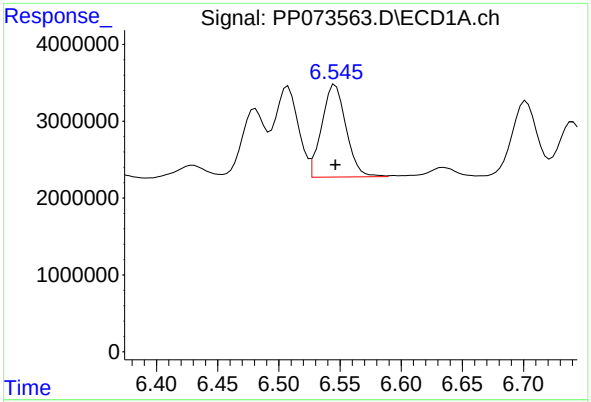
#19 AR-1242-4

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



#19 AR-1242-4

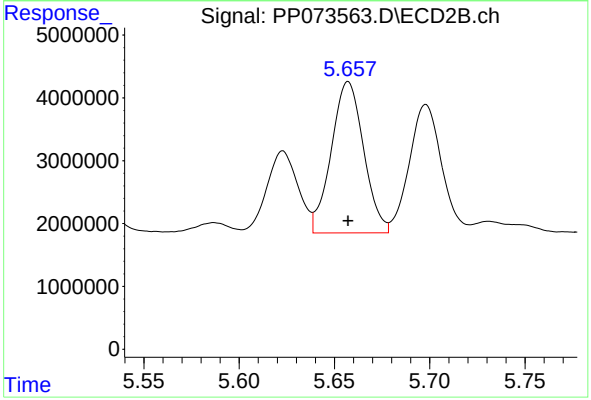
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 22558507
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

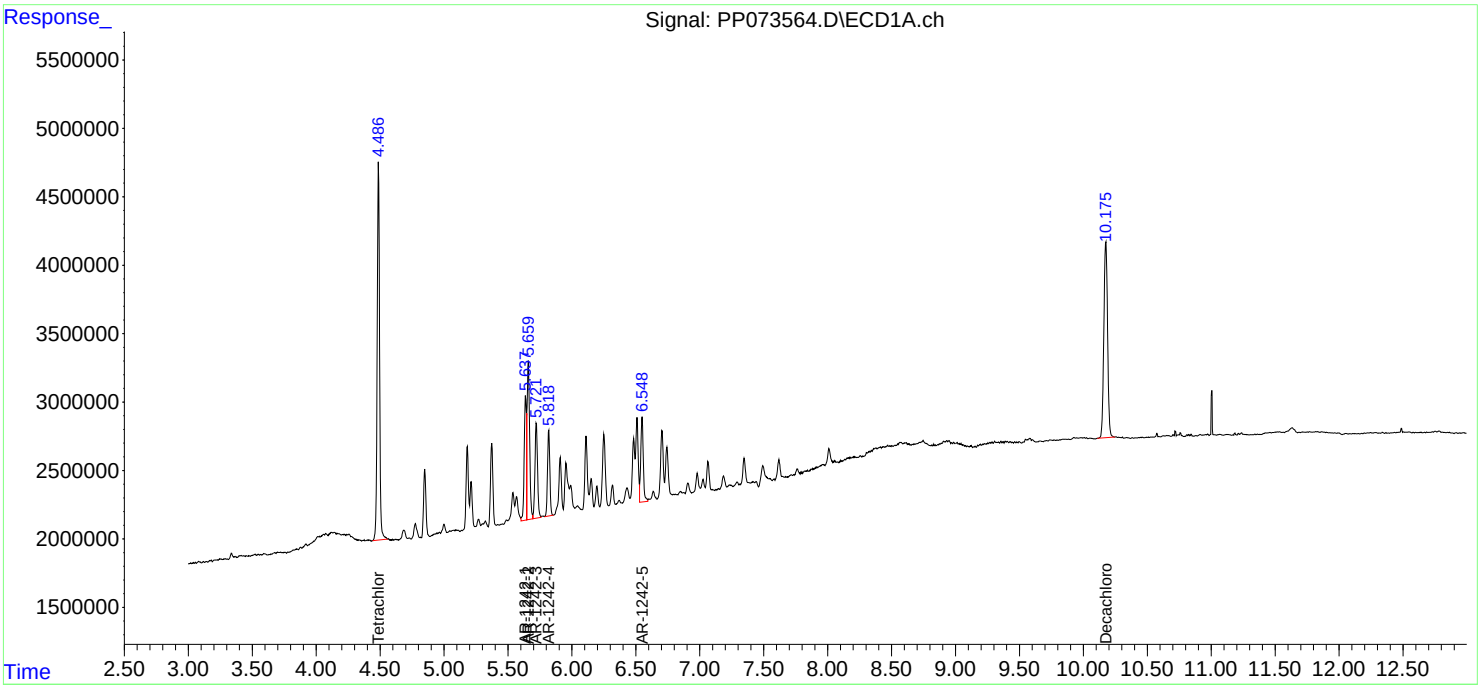
ICAL Form

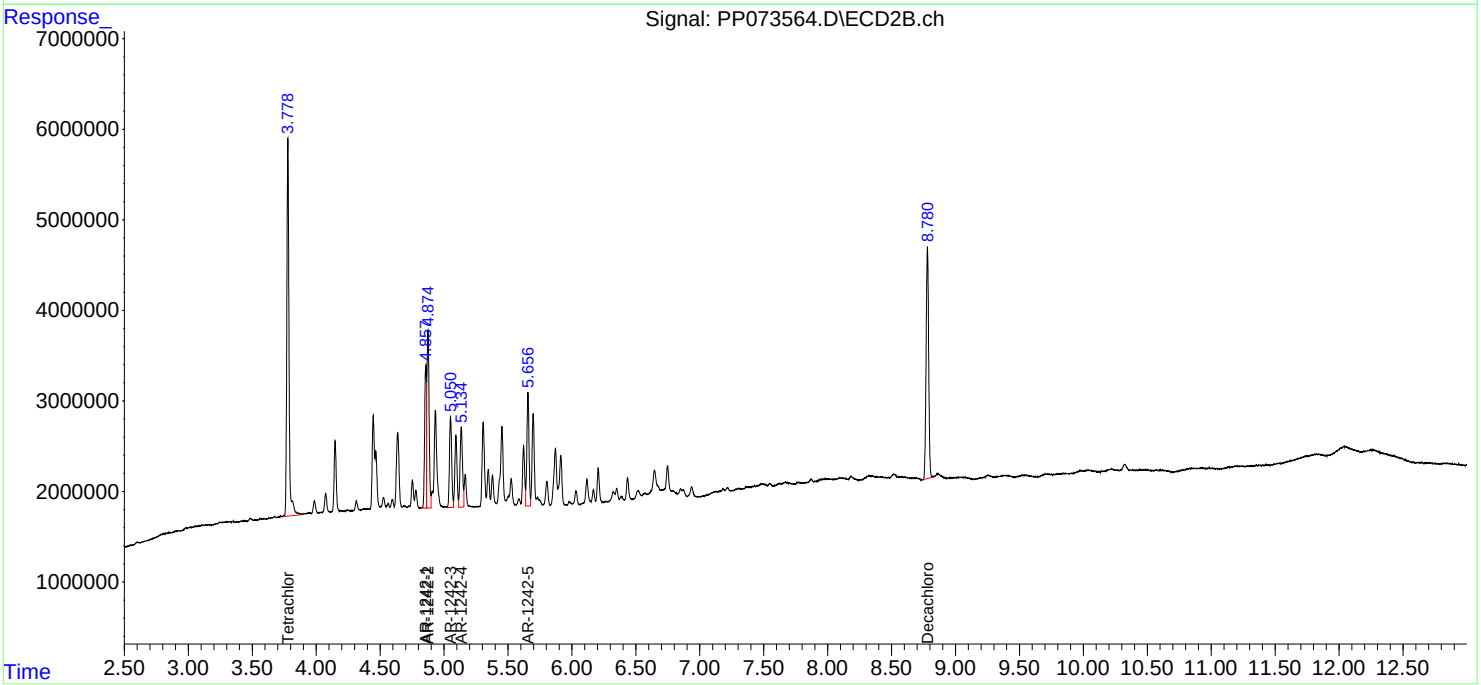
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:46
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

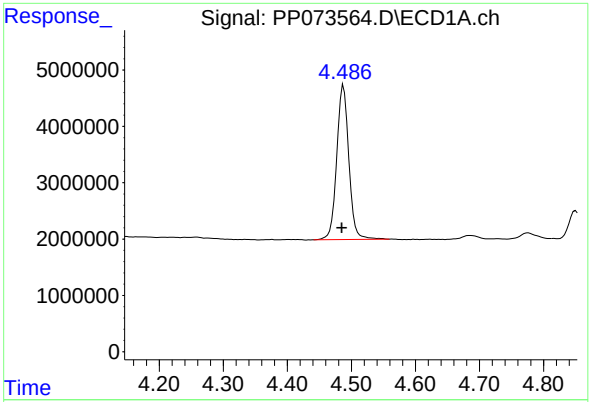
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

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



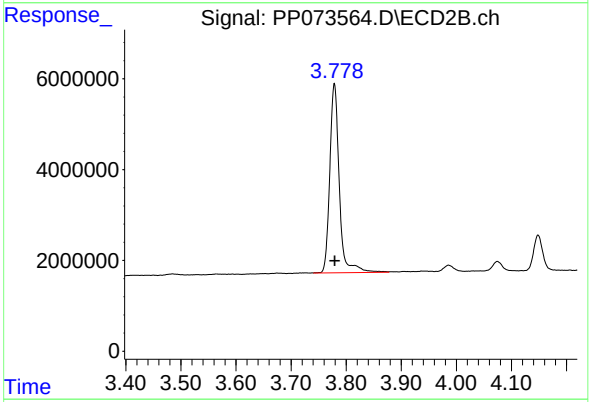




#1 Tetrachloro-m-xylene

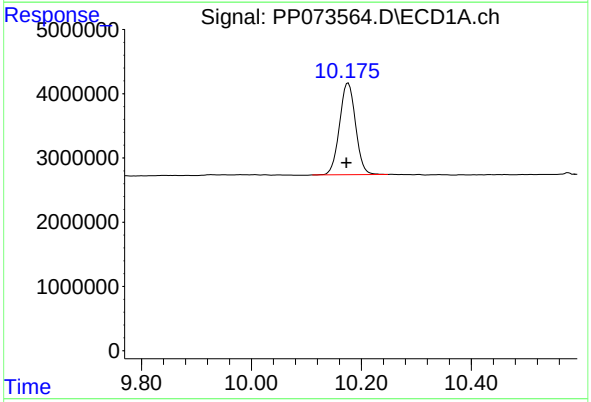
R.T.: 4.488 min
Delta R.T.: 0.003 min
Response: 35973232
Conc: 25.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



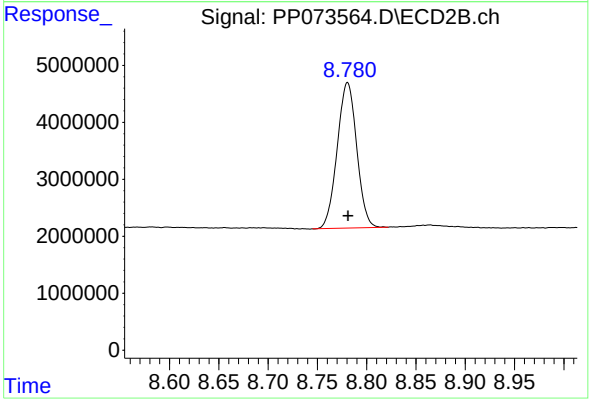
#1 Tetrachloro-m-xylene

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



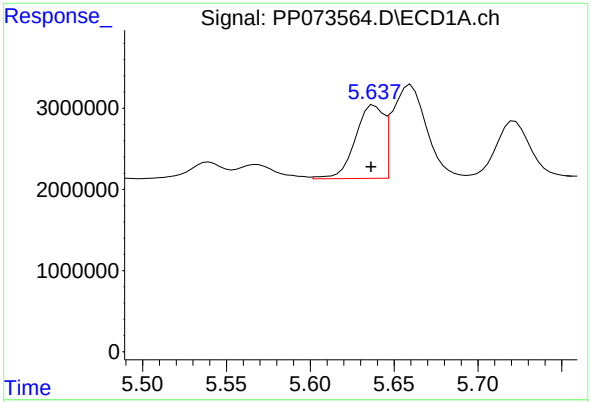
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

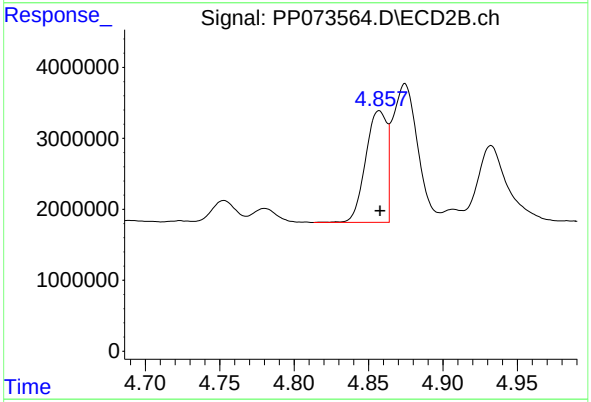
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 35186918
Conc: 26.01 ng/ml



#16 AR-1242-1

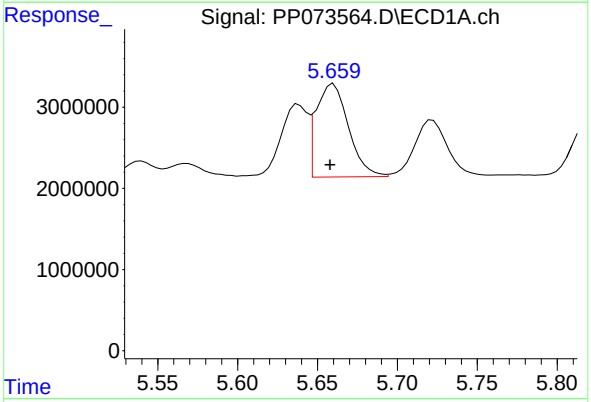
R.T.: 5.638 min
Delta R.T.: 0.002 min
Response: 10586937
Conc: 259.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



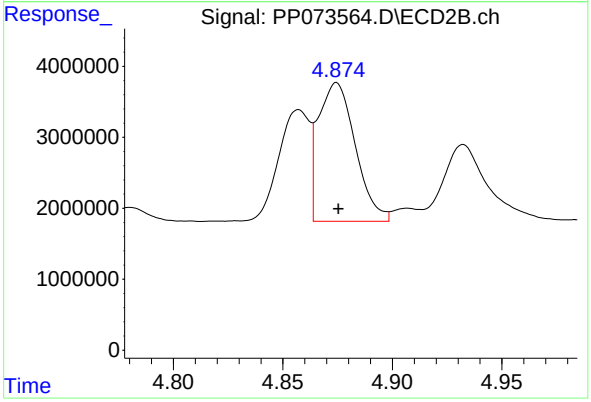
#16 AR-1242-1

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



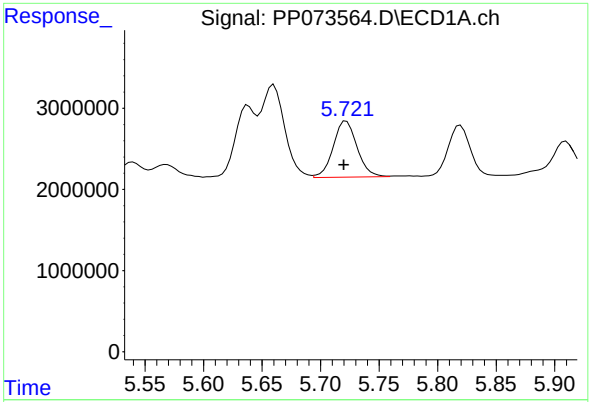
#17 AR-1242-2

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



#17 AR-1242-2

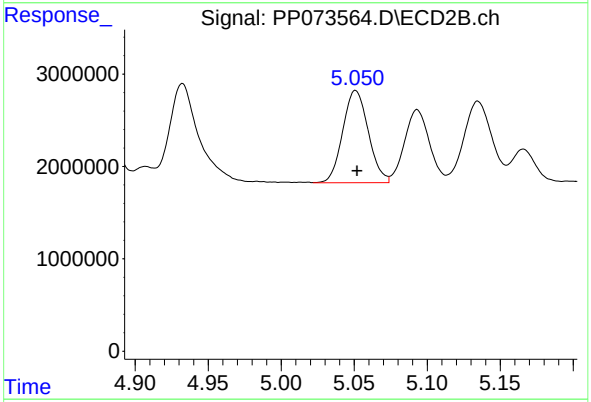
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 22939126
Conc: 257.95 ng/ml



#18 AR-1242-3

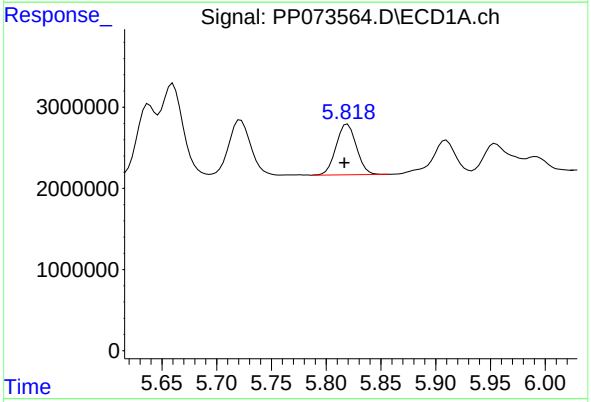
R.T.: 5.722 min
Delta R.T.: 0.002 min
Response: 9827935
Conc: 258.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



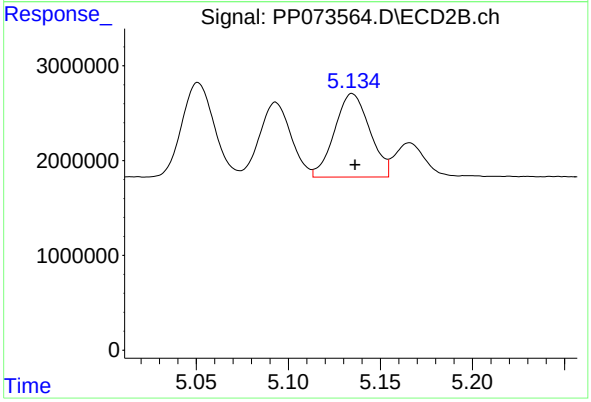
#18 AR-1242-3

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



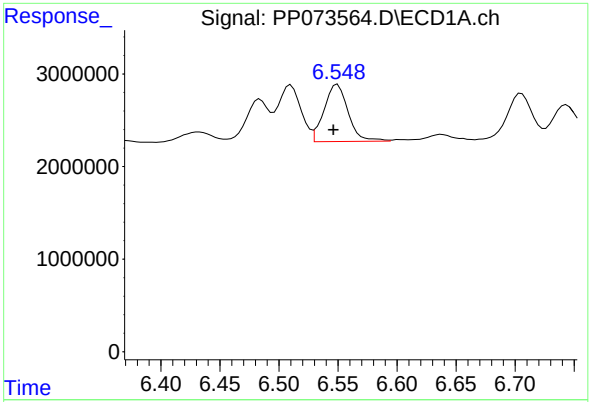
#19 AR-1242-4

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



#19 AR-1242-4

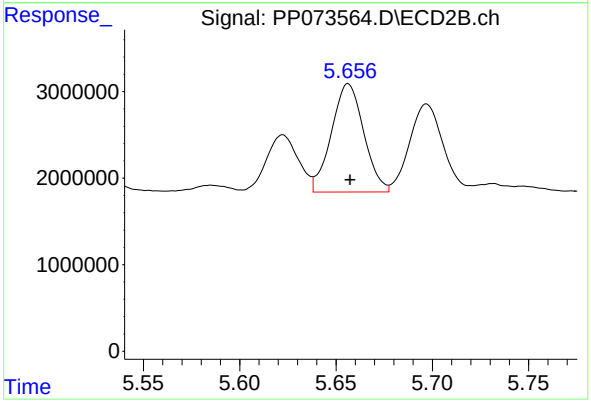
R.T.: 5.135 min
Delta R.T.: -0.002 min
Response: 11715170
Conc: 259.66 ng/ml



#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

Quantitation Report (QT Reviewed)

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.

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

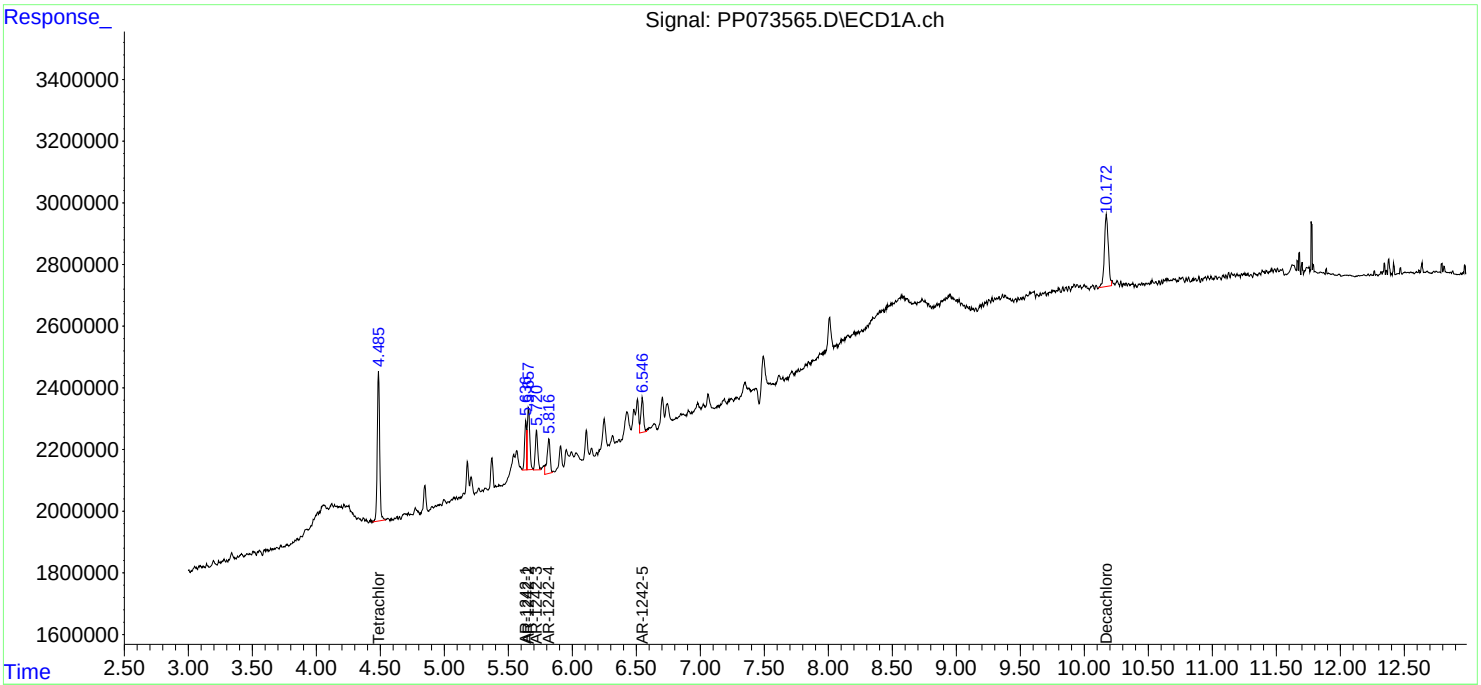
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

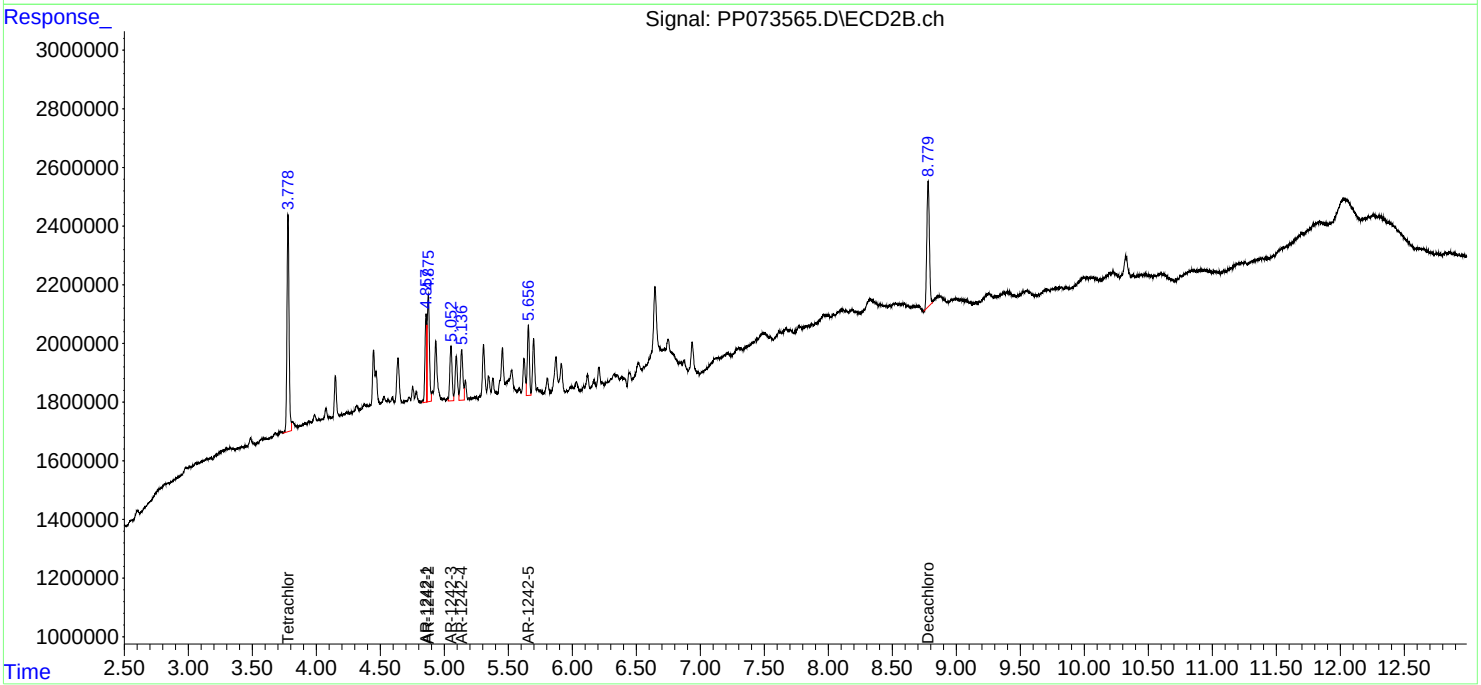
Manual Integrations APPROVED

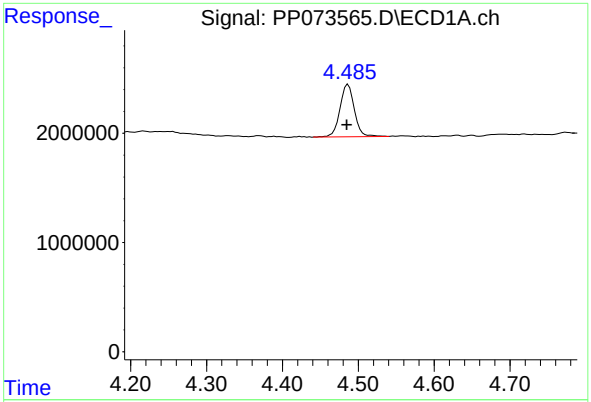
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







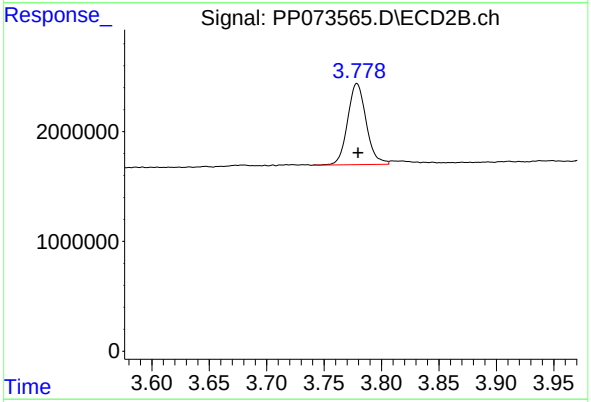
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

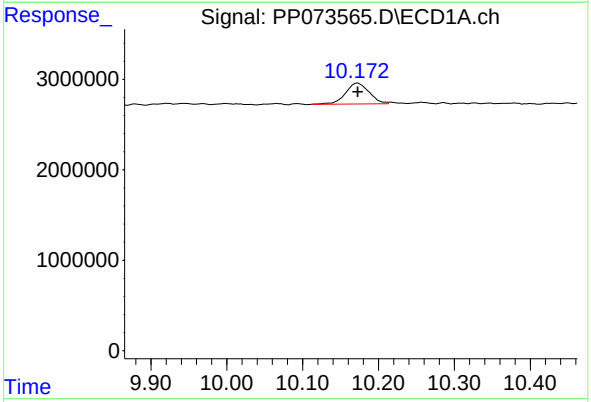
Manual Integrations APPROVED

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



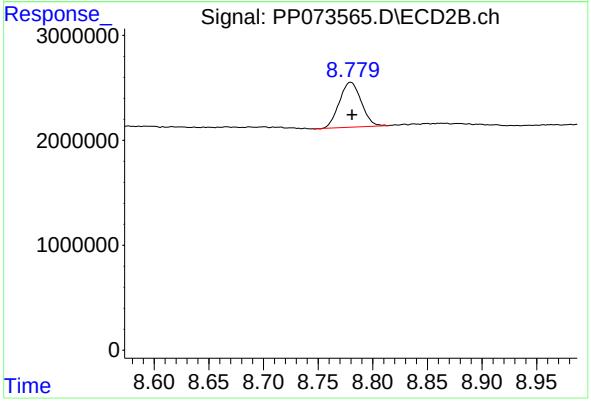
#1 Tetrachloro-m-xylene

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



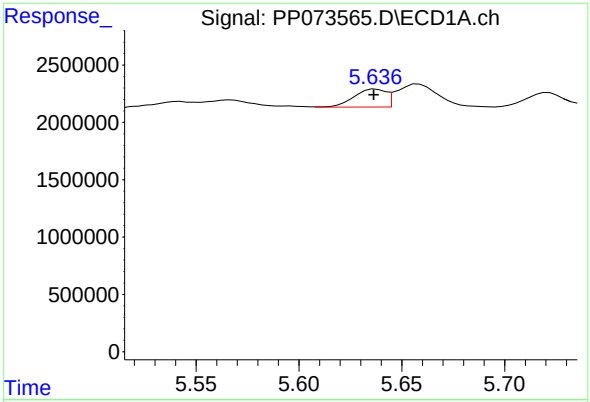
#2 Decachlorobiphenyl

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



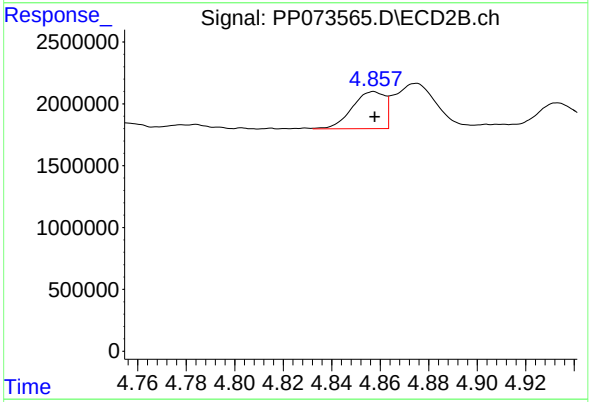
#16 AR-1242-1

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

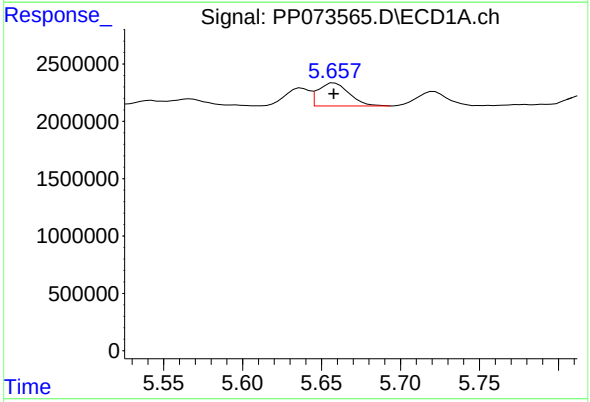
Manual Integrations APPROVED

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



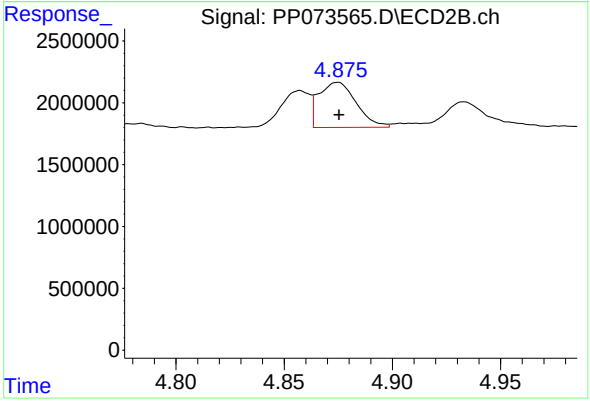
#16 AR-1242-1

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



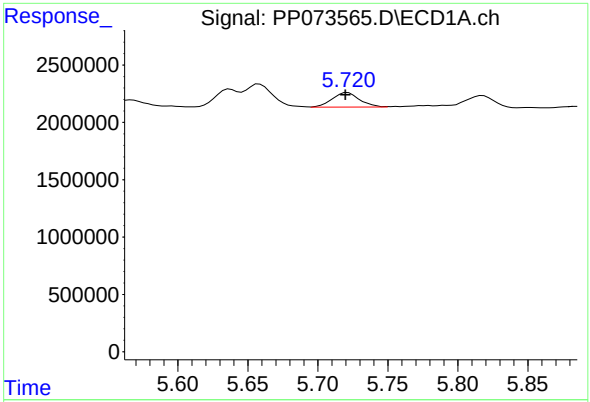
#17 AR-1242-2

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



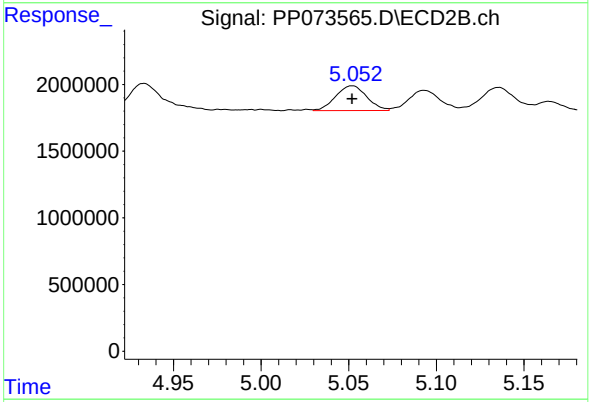
#18 AR-1242-3

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

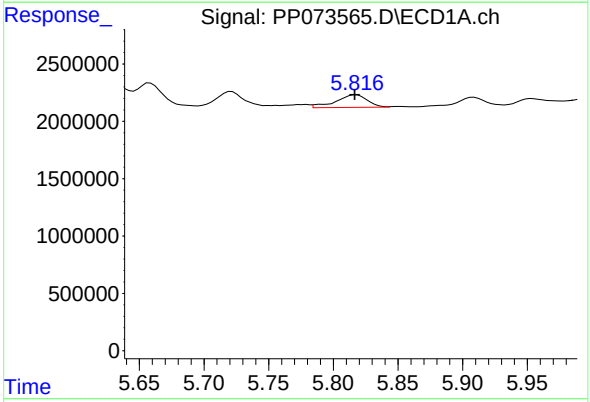
Manual Integrations APPROVED

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



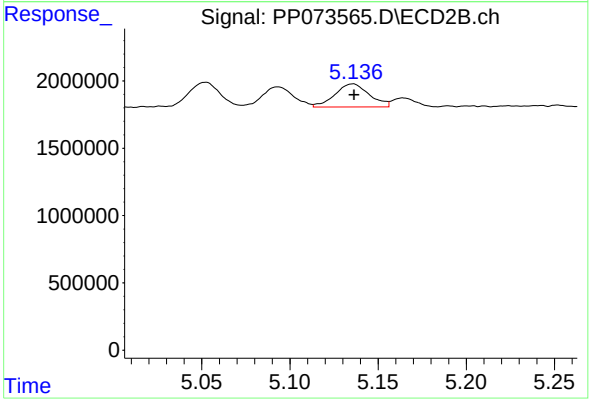
#18 AR-1242-3

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



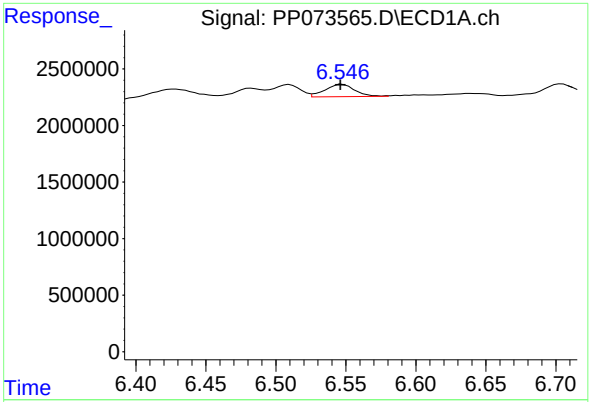
#19 AR-1242-4

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



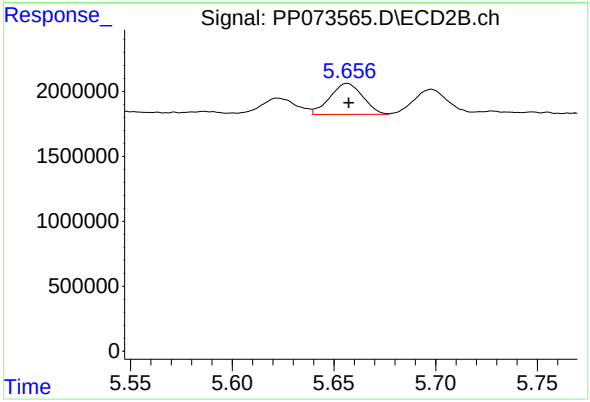
#20 AR-1242-5

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)

ICAL Form

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.

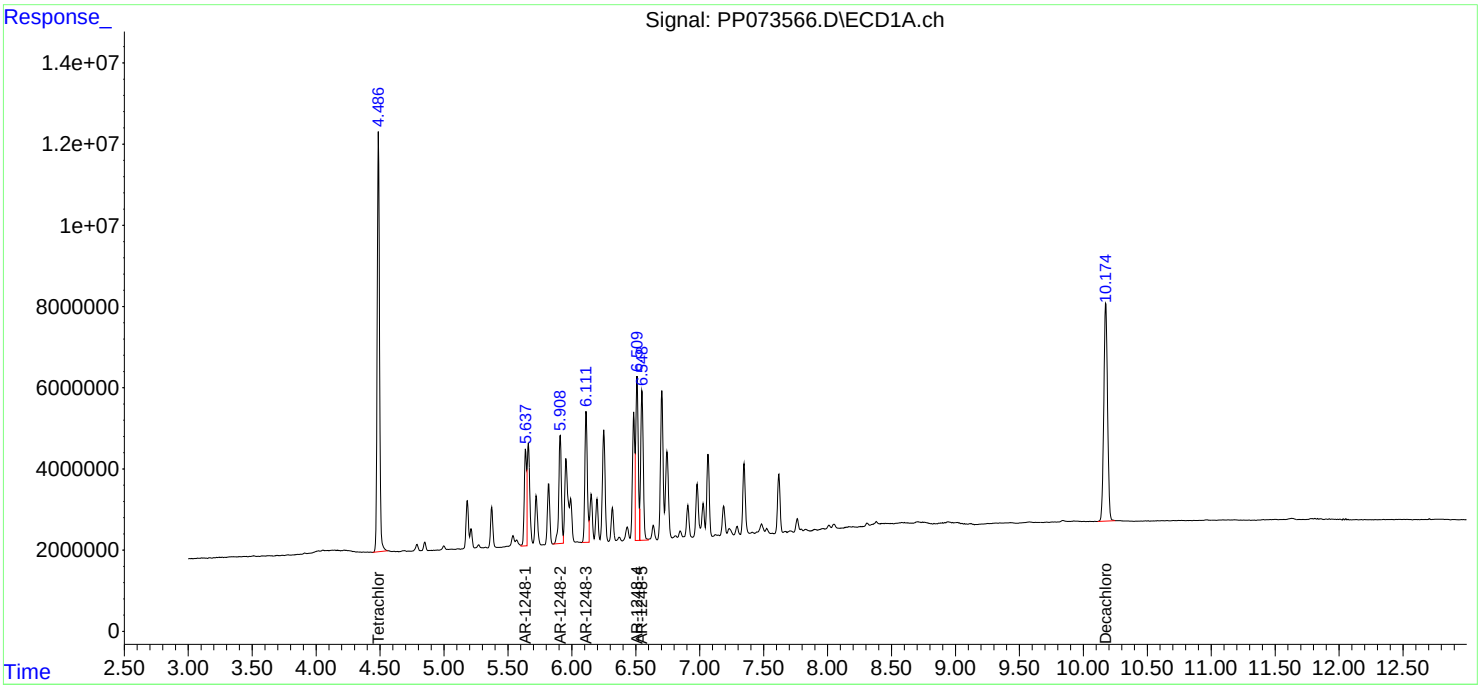
ICAL Form

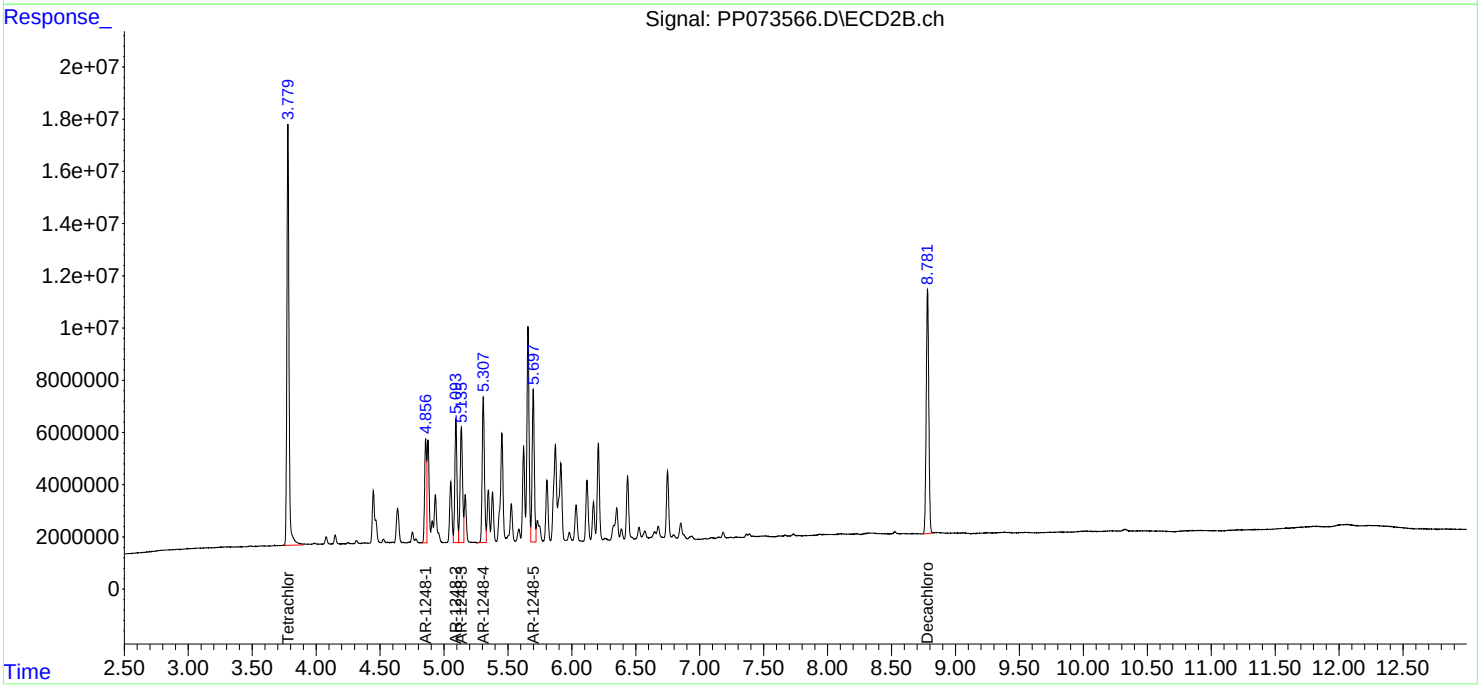
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:19
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

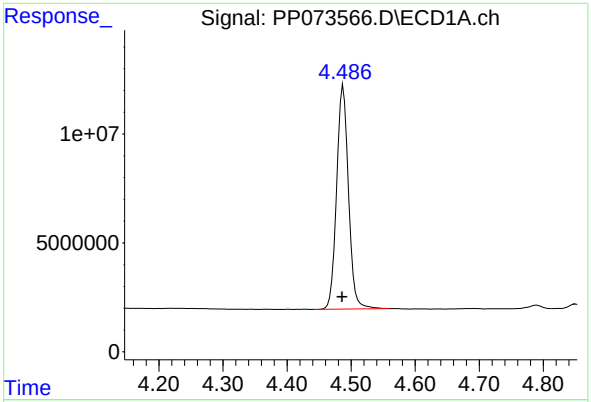
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

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



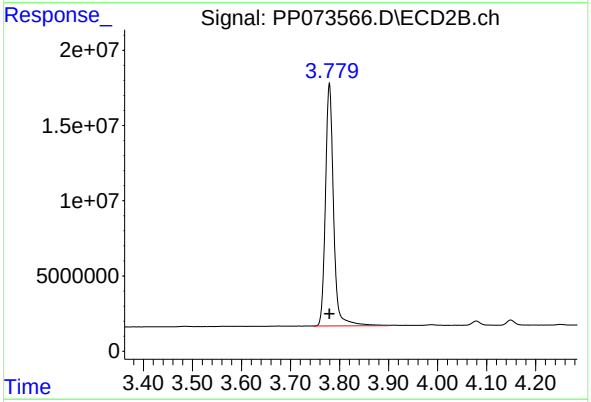




#1 Tetrachloro-m-xylene

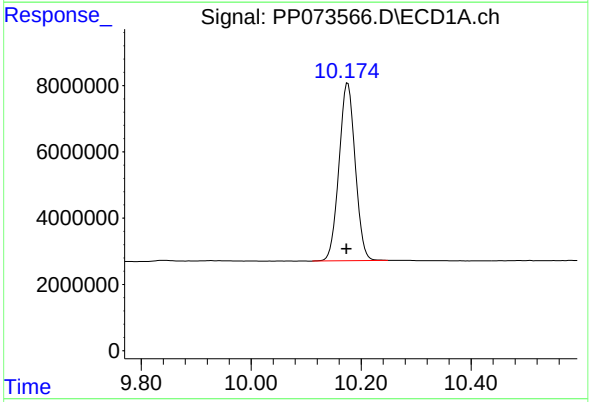
R.T.: 4.488 min
Delta R.T.: 0.002 min
Response: 132195442
Conc: 93.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



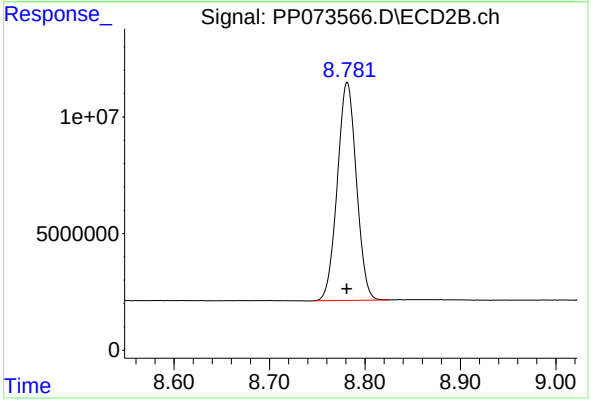
#1 Tetrachloro-m-xylene

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



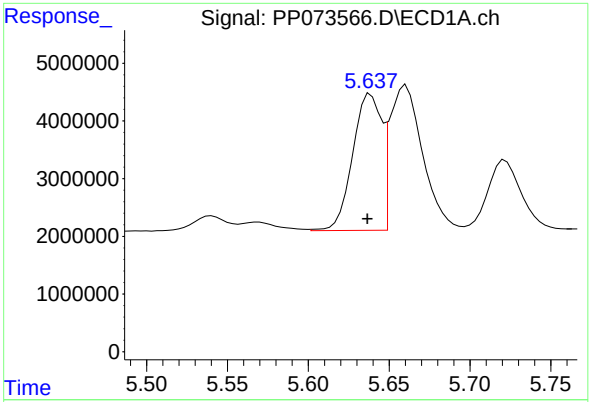
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

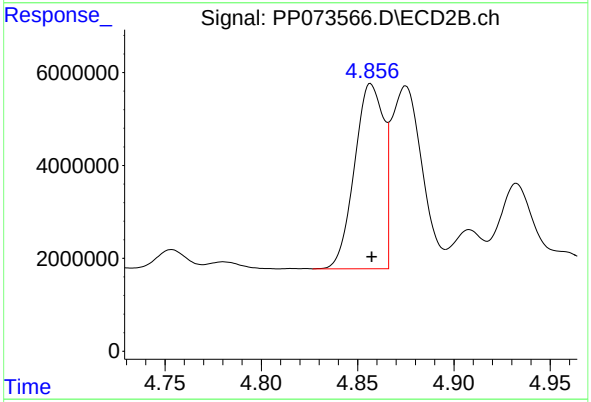
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 129838240
Conc: 95.44 ng/ml



#21 AR-1248-1

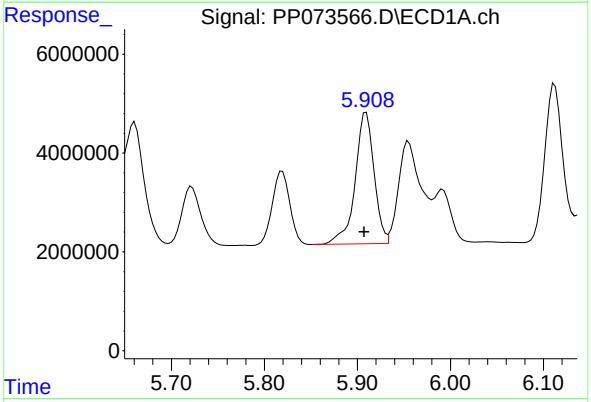
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 29290065
Conc: 931.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



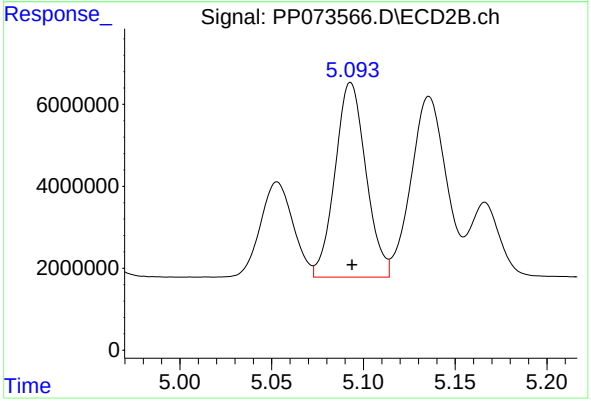
#21 AR-1248-1

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



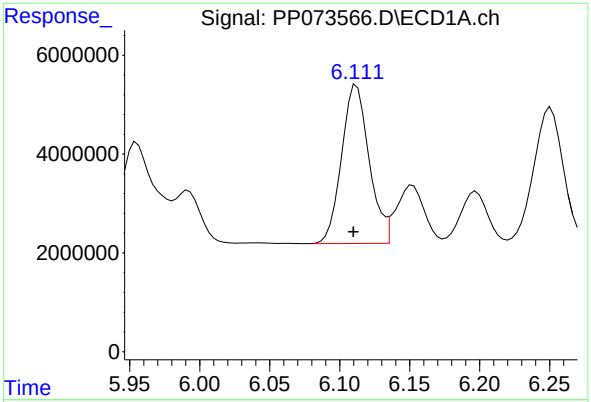
#22 AR-1248-2

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



#22 AR-1248-2

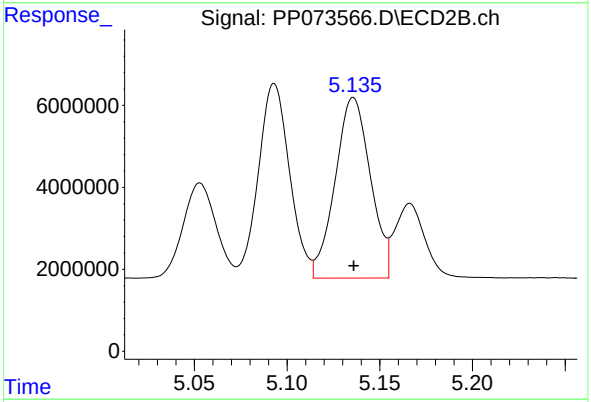
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 55737799
Conc: 900.61 ng/ml



#23 AR-1248-3

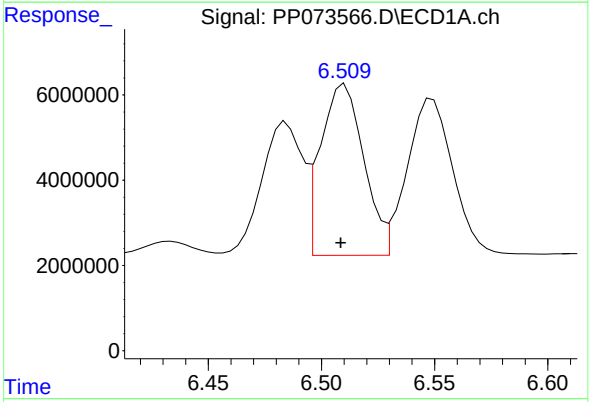
R.T.: 6.112 min
Delta R.T.: 0.002 min
Response: 43927993
Conc: 953.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



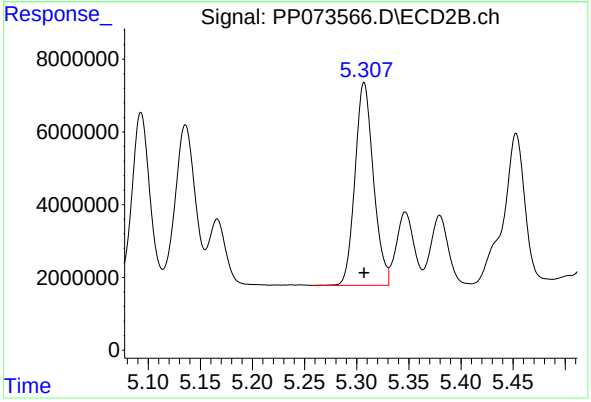
#23 AR-1248-3

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



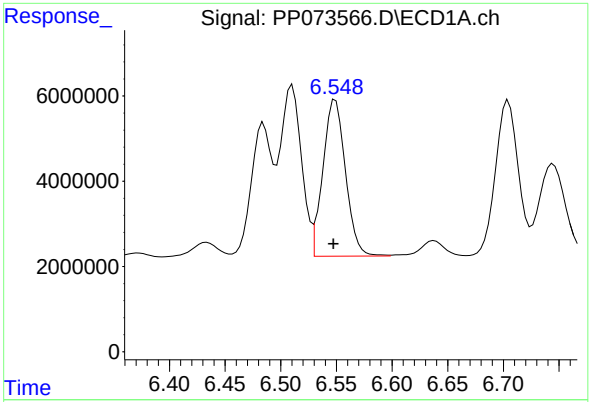
#24 AR-1248-4

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



#24 AR-1248-4

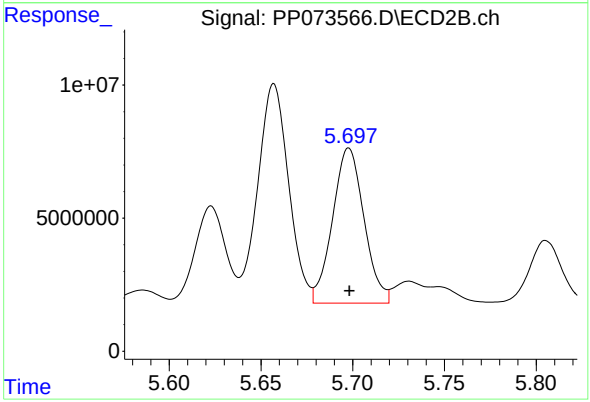
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 68661033
Conc: 911.73 ng/ml



#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)

ICAL Form

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.

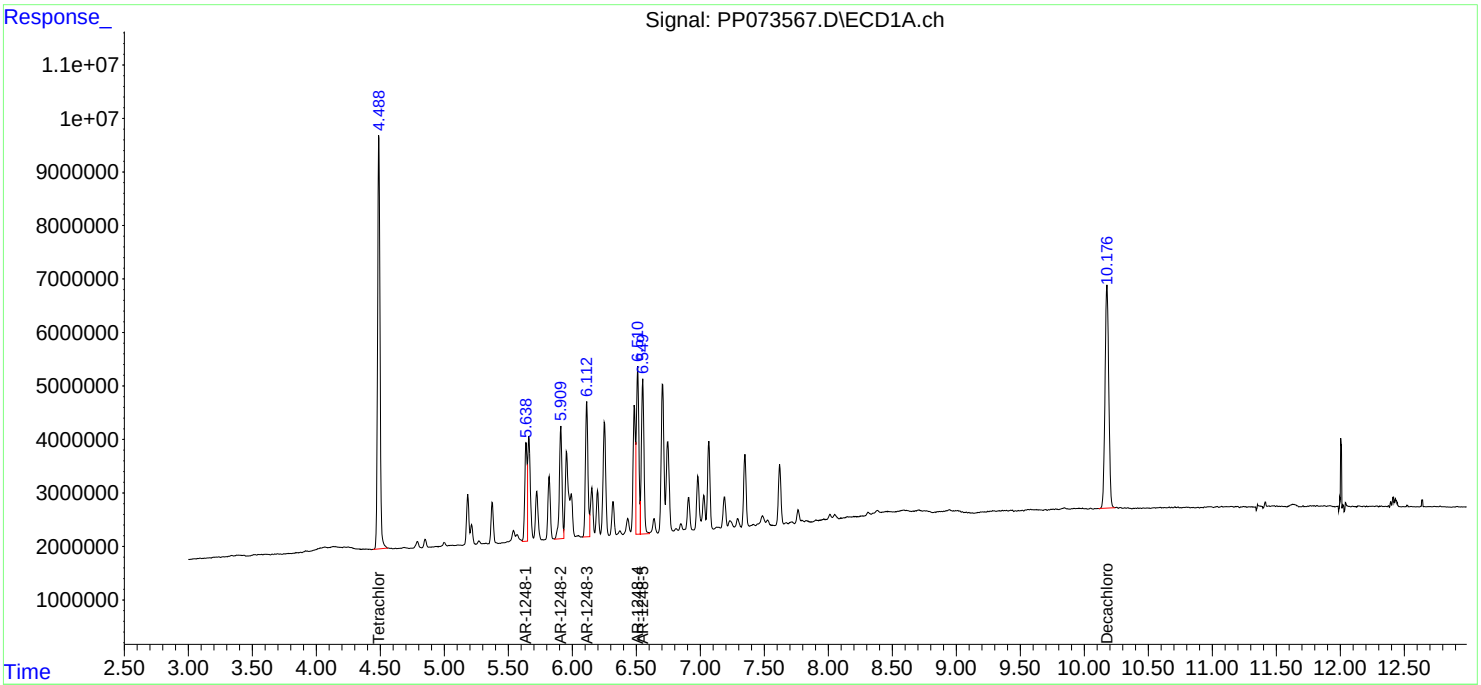
ICAL Form

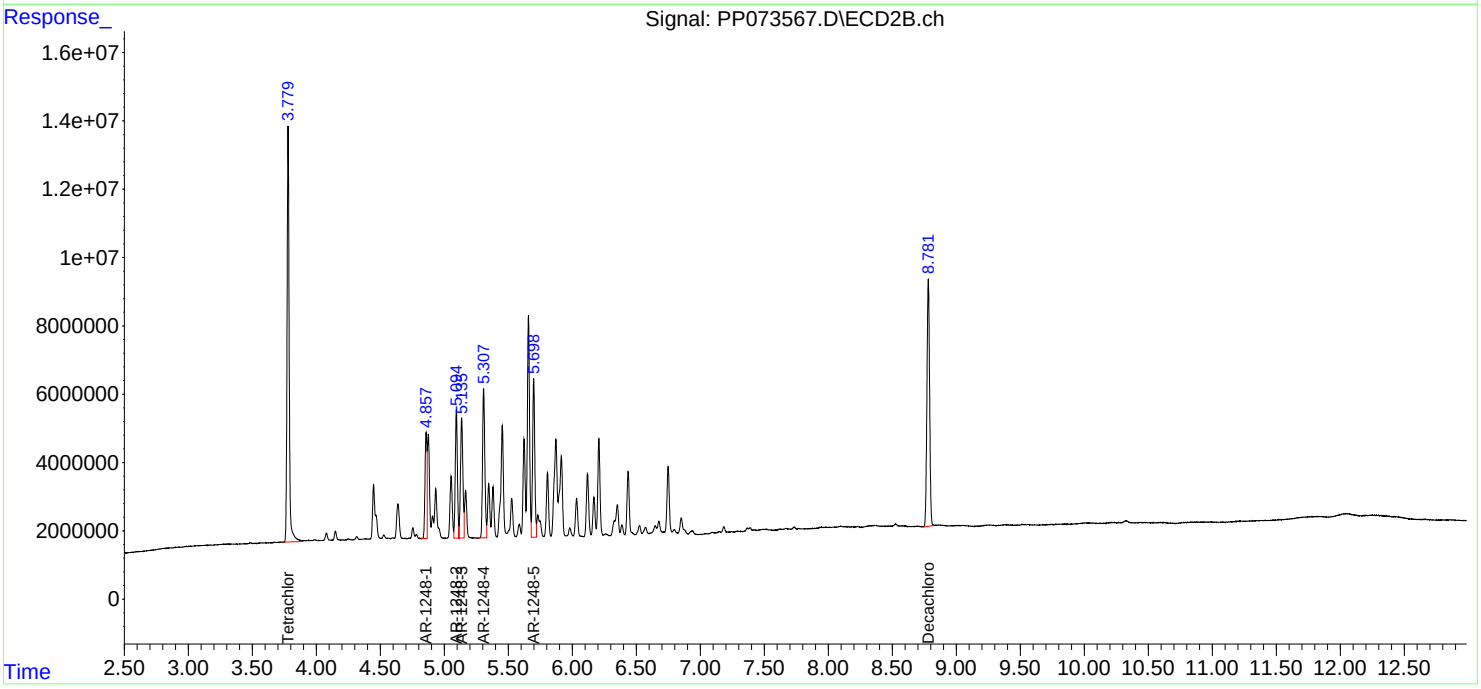
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:35
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

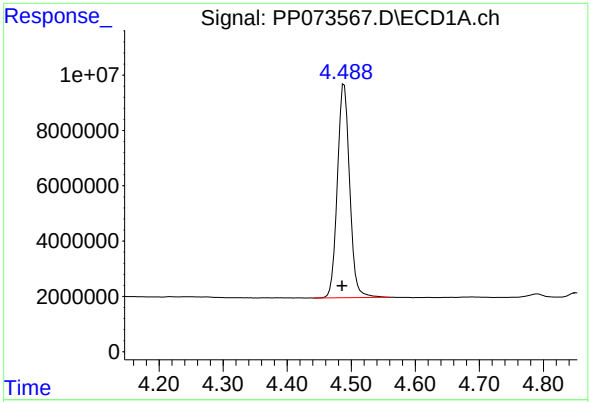
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

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



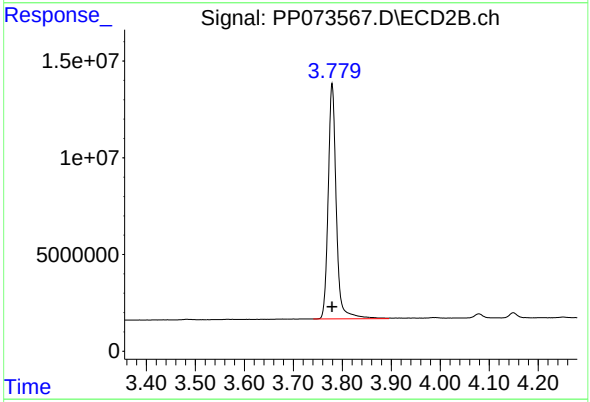




#1 Tetrachloro-m-xylene

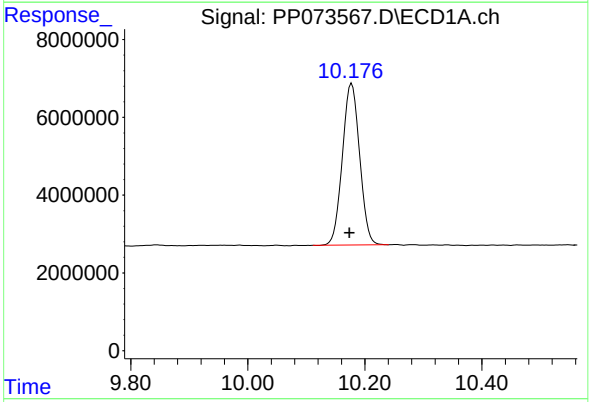
R.T.: 4.489 min
Delta R.T.: 0.003 min
Response: 102849476
Conc: 72.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



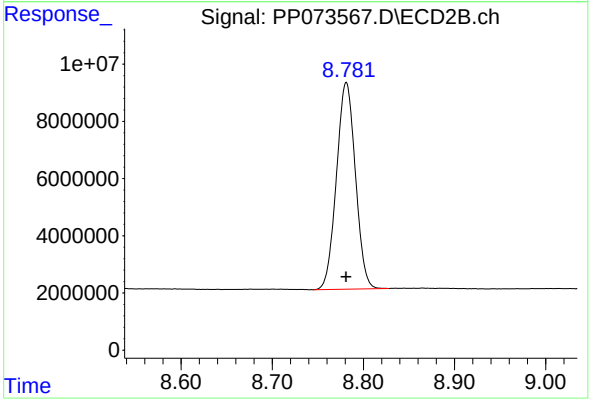
#1 Tetrachloro-m-xylene

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



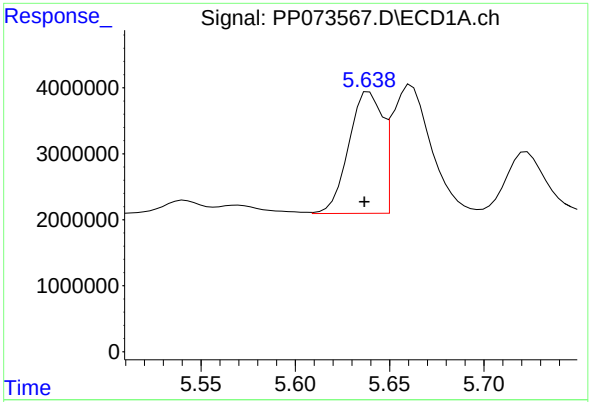
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

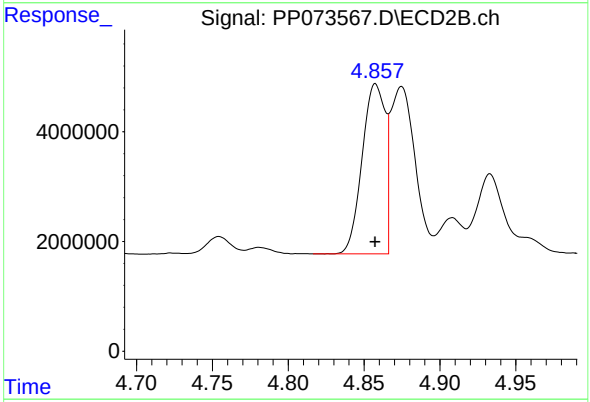
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 104460409
Conc: 76.79 ng/ml



#21 AR-1248-1

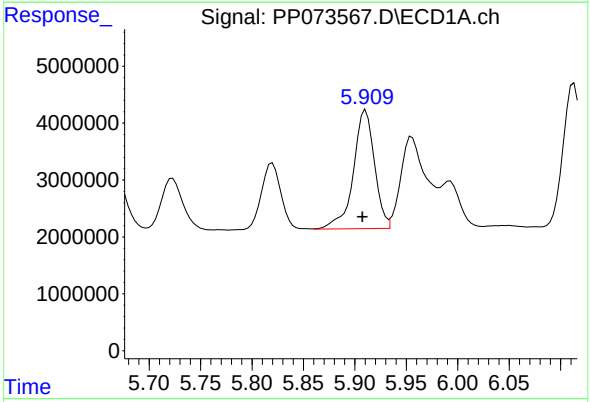
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 22755547
Conc: 723.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



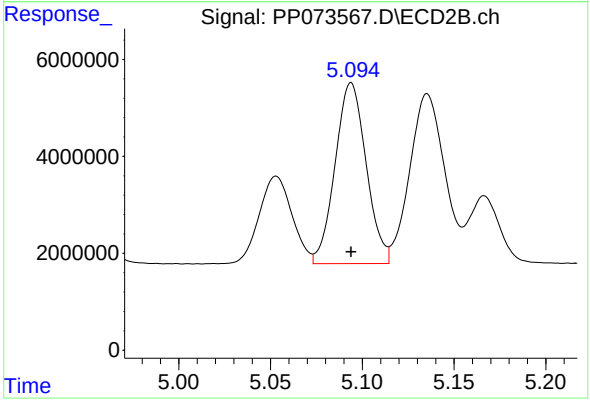
#21 AR-1248-1

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



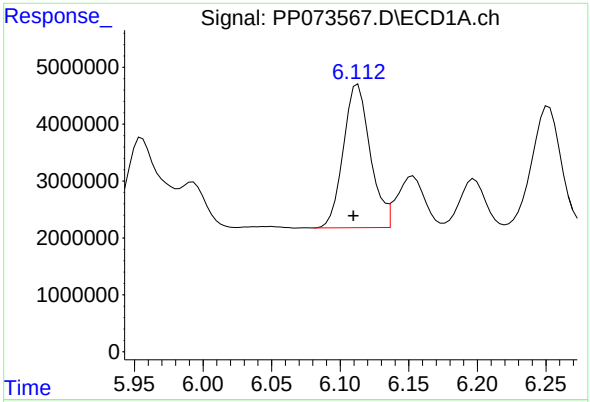
#22 AR-1248-2

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



#22 AR-1248-2

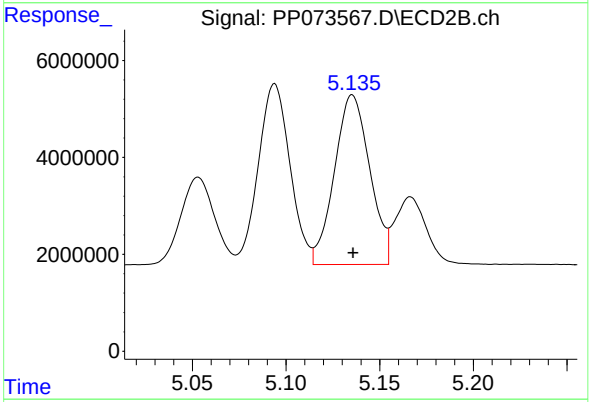
R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 43939758
Conc: 709.98 ng/ml



#23 AR-1248-3

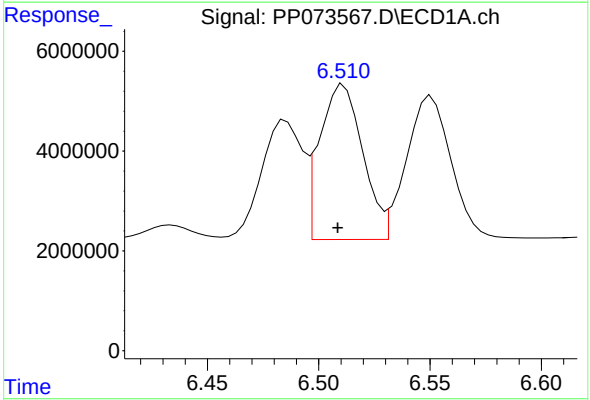
R.T.: 6.113 min
Delta R.T.: 0.003 min
Response: 34385217
Conc: 746.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



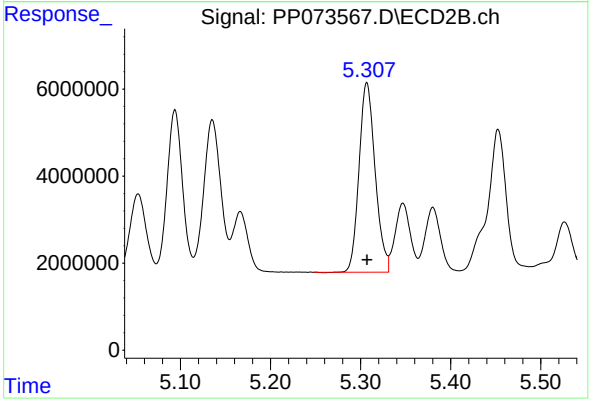
#23 AR-1248-3

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



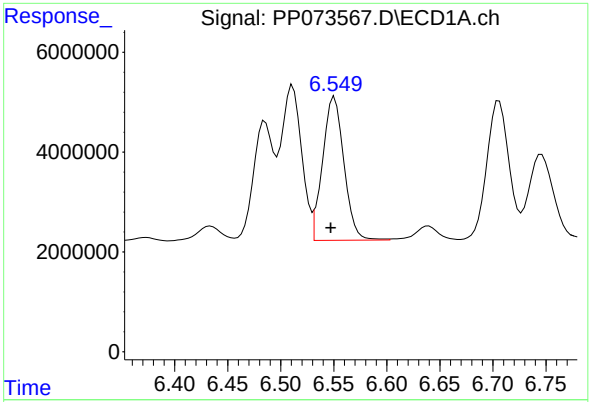
#24 AR-1248-4

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



#24 AR-1248-4

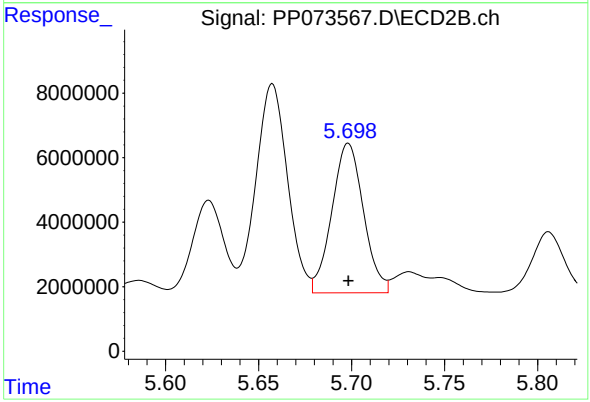
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 54019844
Conc: 717.32 ng/ml



#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)

ICAL Form

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.

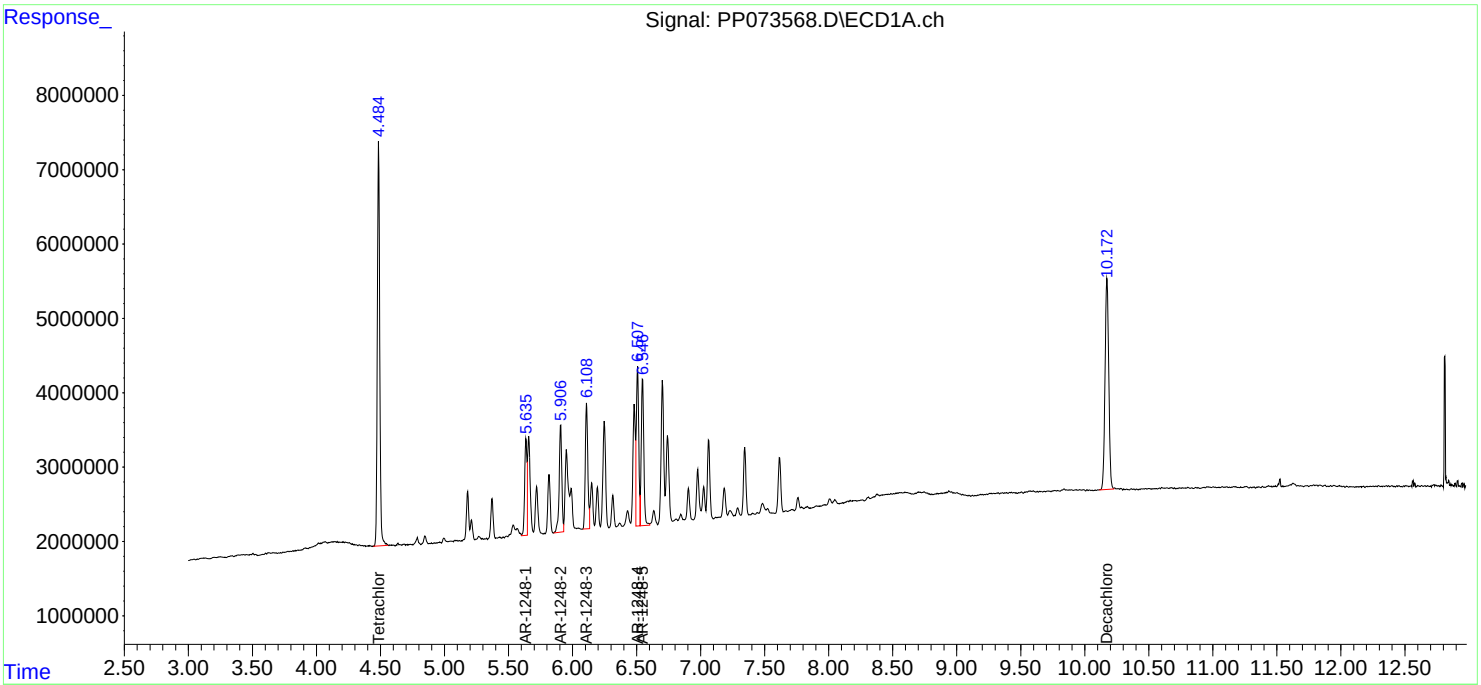
ICAL Form

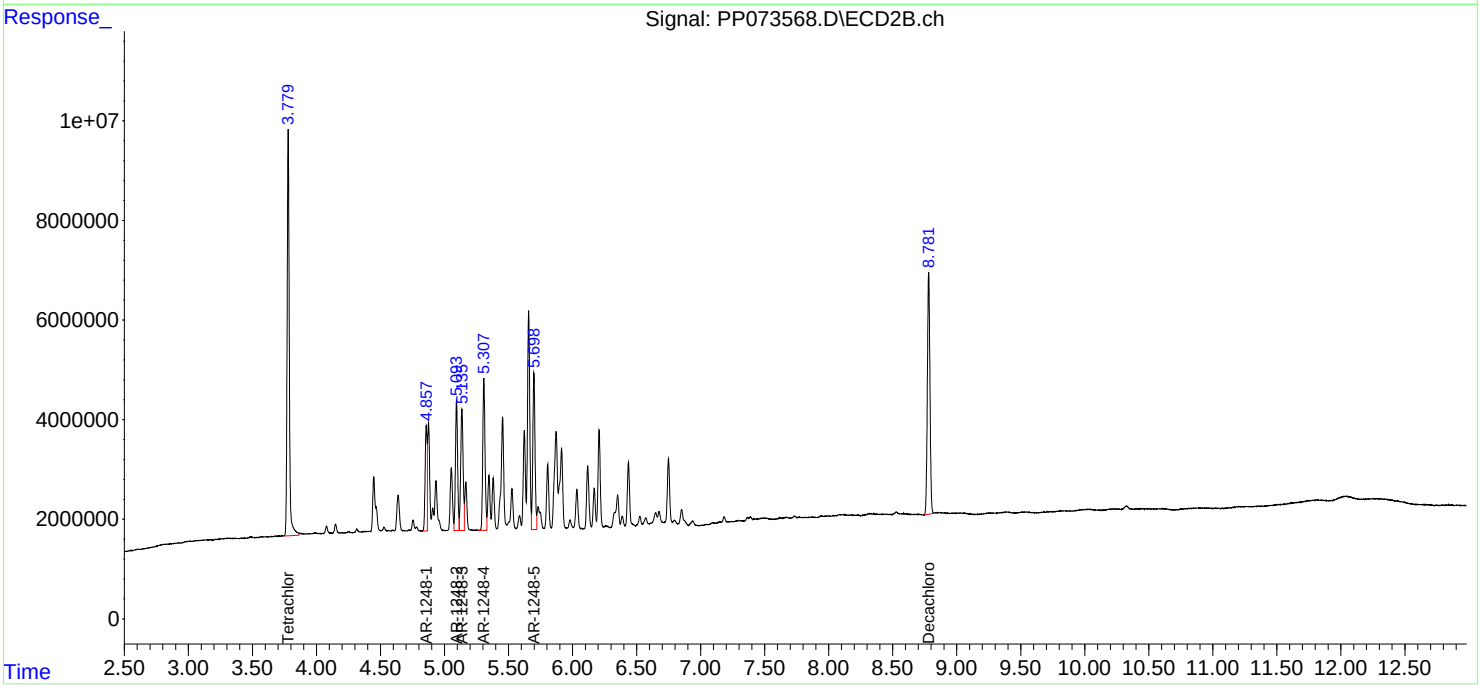
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:52
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

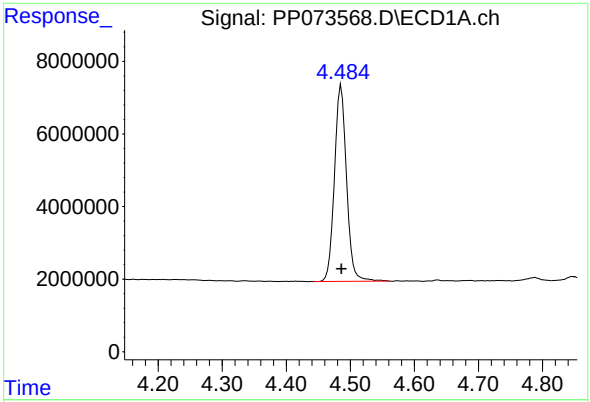
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

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



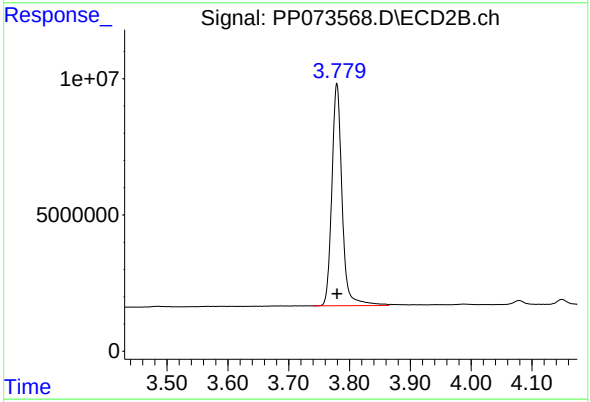




#1 Tetrachloro-m-xylene

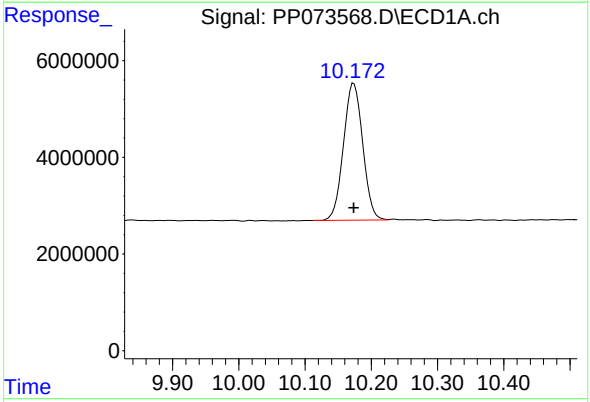
R.T.: 4.486 min
Delta R.T.: 0.000 min
Response: 70771652
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



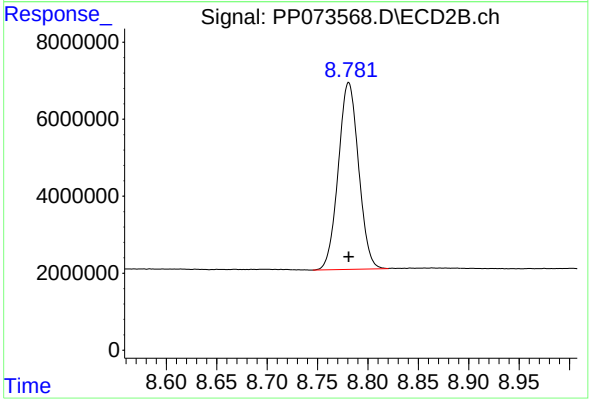
#1 Tetrachloro-m-xylene

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



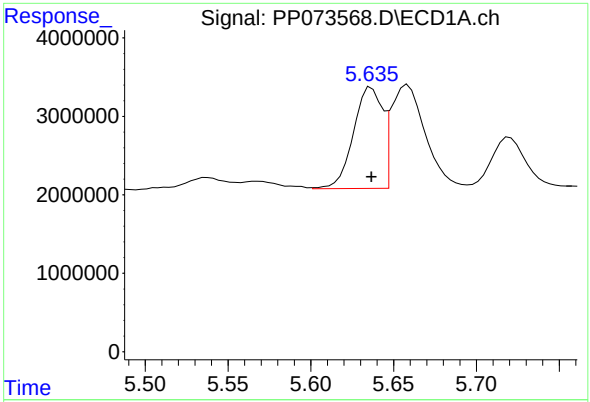
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

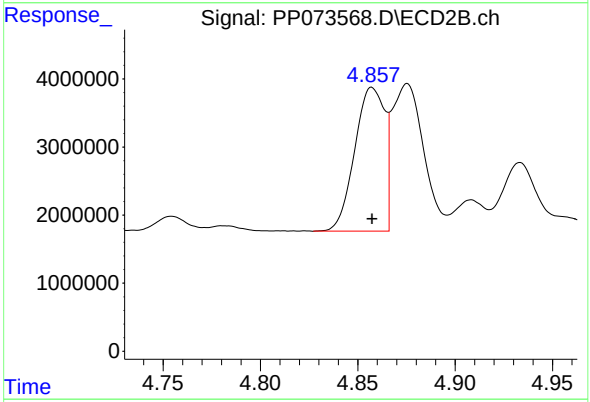
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 68017781
Conc: 50.00 ng/ml



#21 AR-1248-1

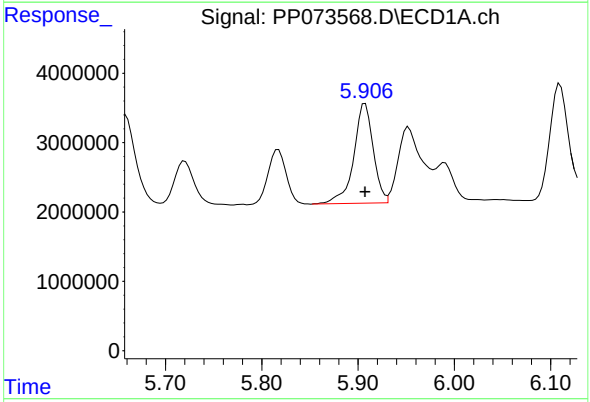
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 15729968
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



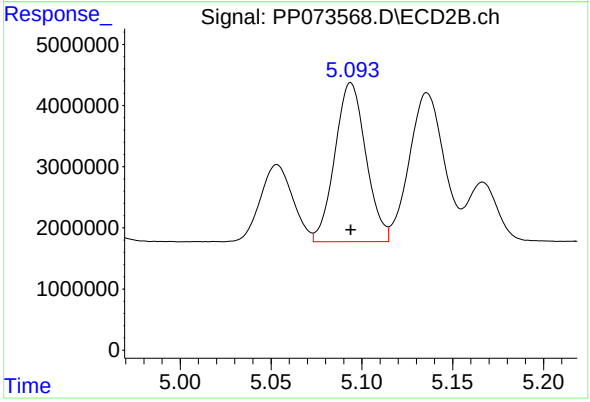
#21 AR-1248-1

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



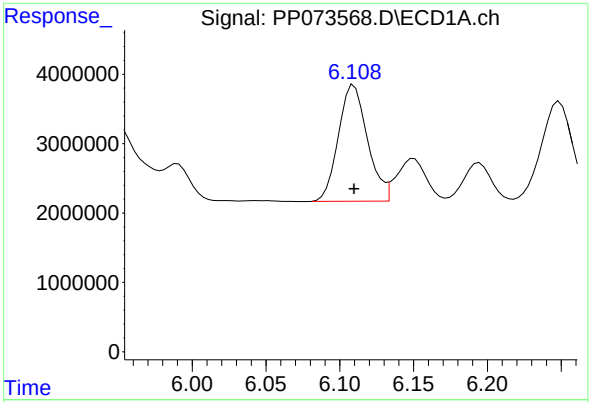
#22 AR-1248-2

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



#22 AR-1248-2

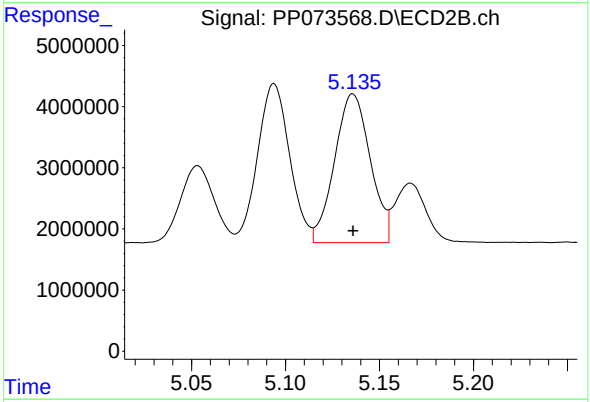
R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 30944510
Conc: 500.00 ng/ml



#23 AR-1248-3

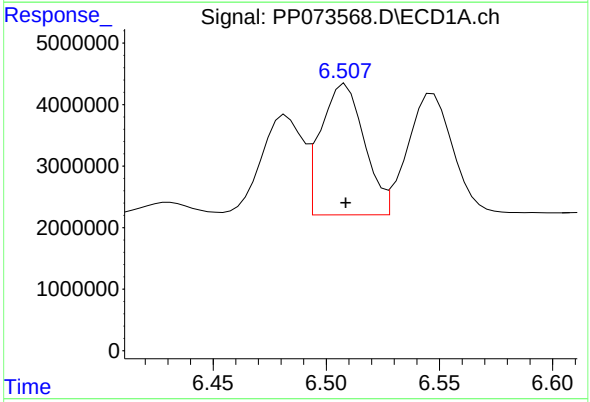
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 23037645
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



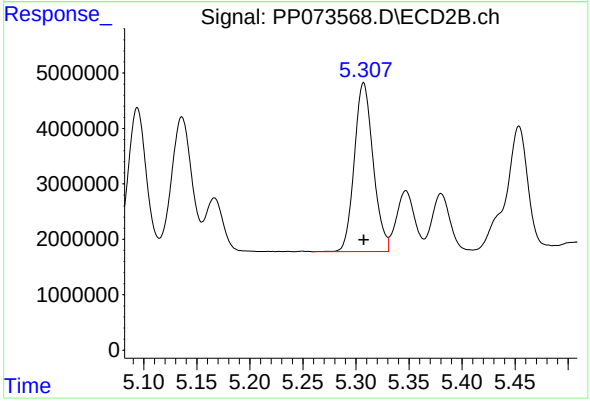
#23 AR-1248-3

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



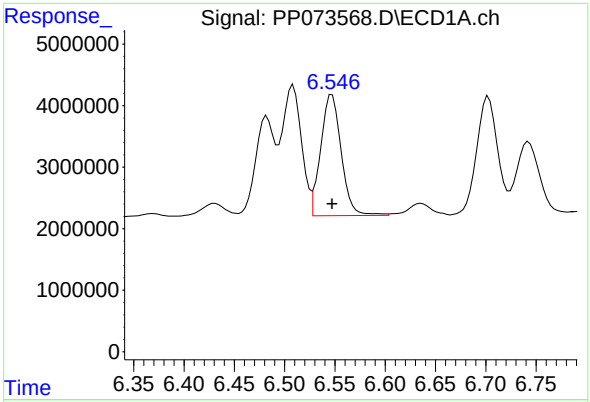
#24 AR-1248-4

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



#24 AR-1248-4

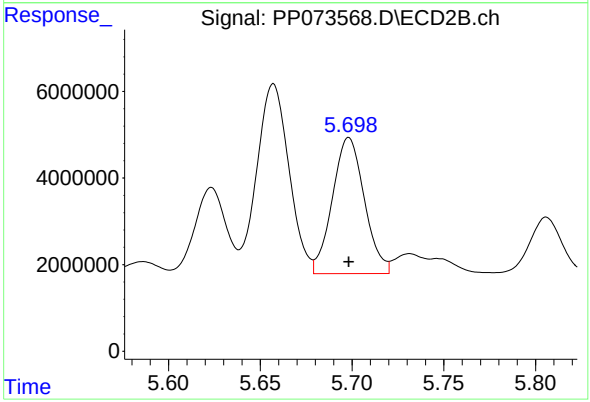
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 37654186
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

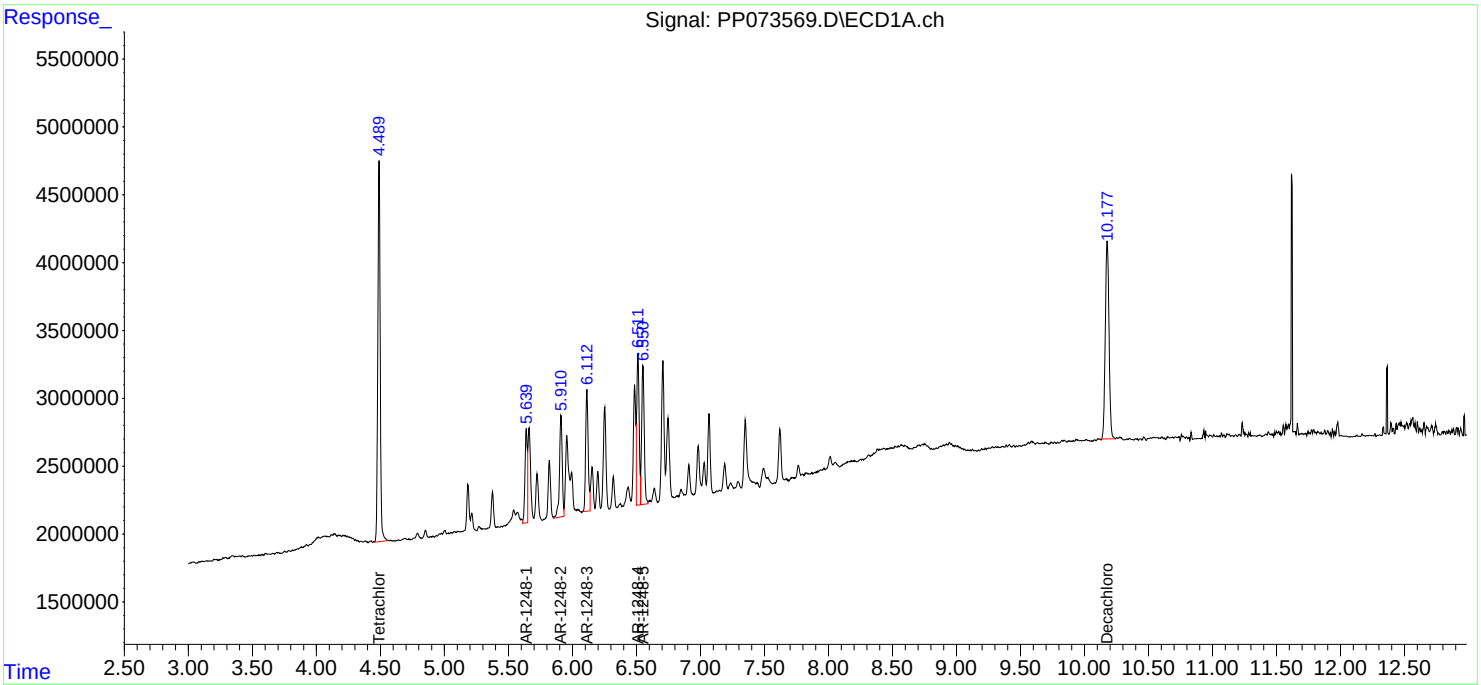
ICAL Form

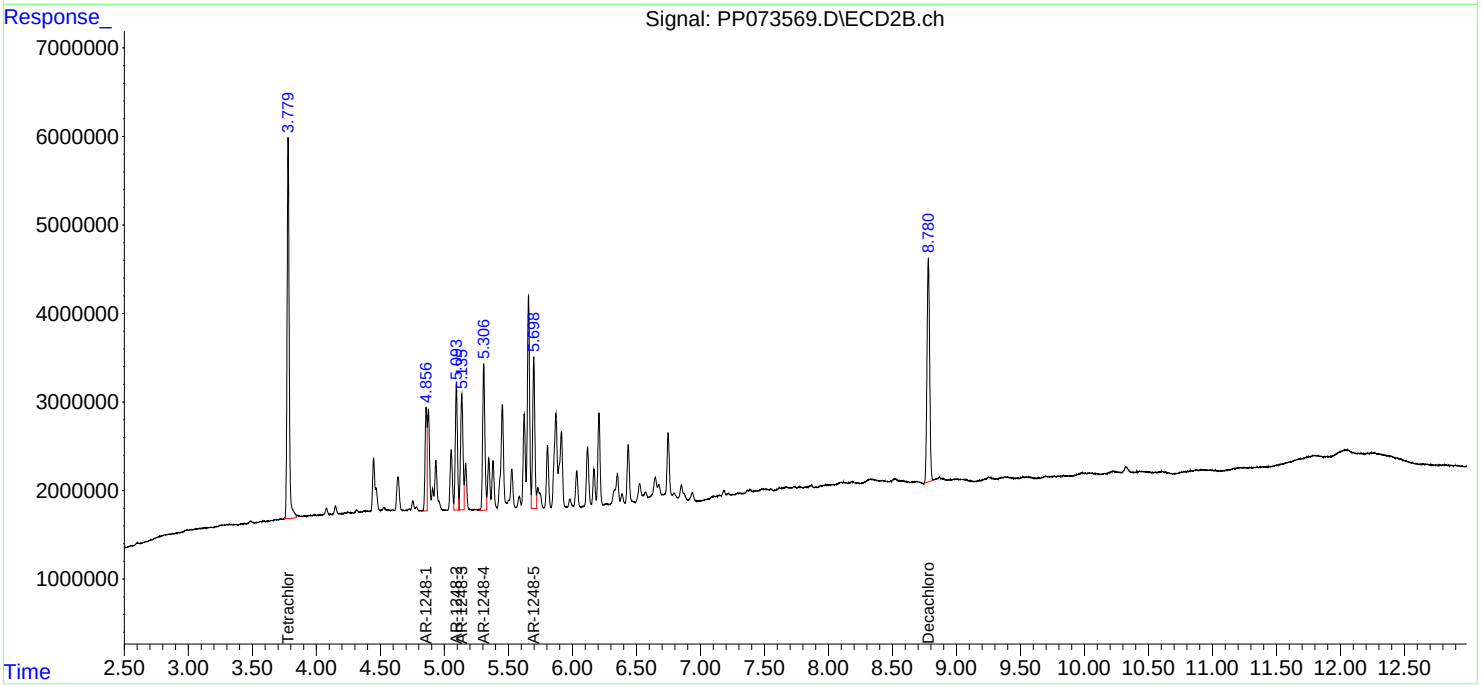
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:08
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

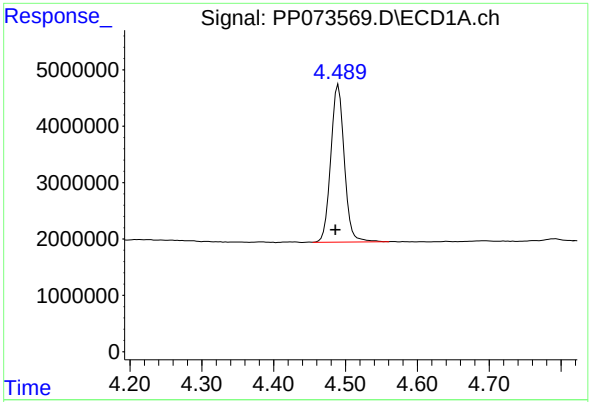
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

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



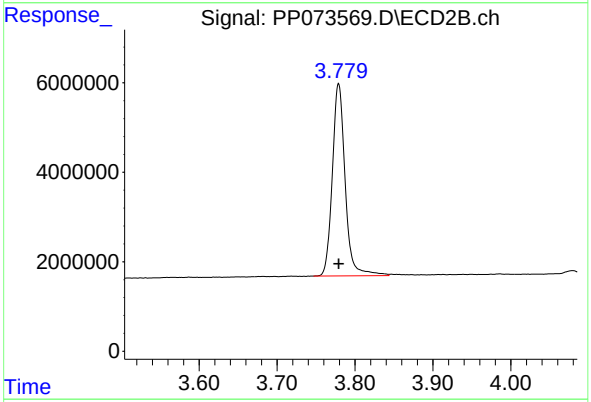




#1 Tetrachloro-m-xylene

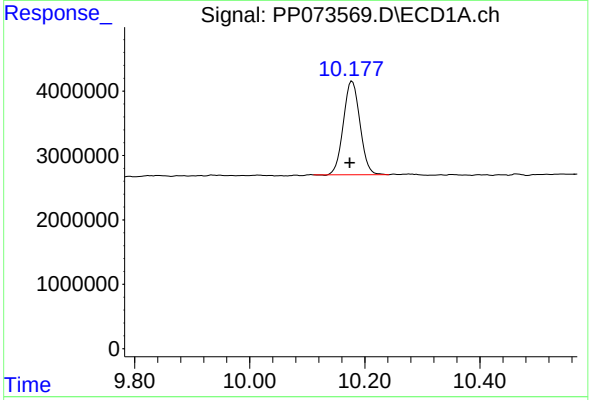
R.T.: 4.490 min
Delta R.T.: 0.004 min
Response: 36421864
Conc: 25.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



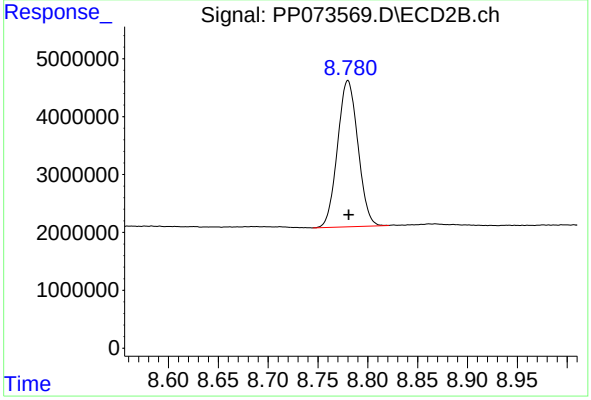
#1 Tetrachloro-m-xylene

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



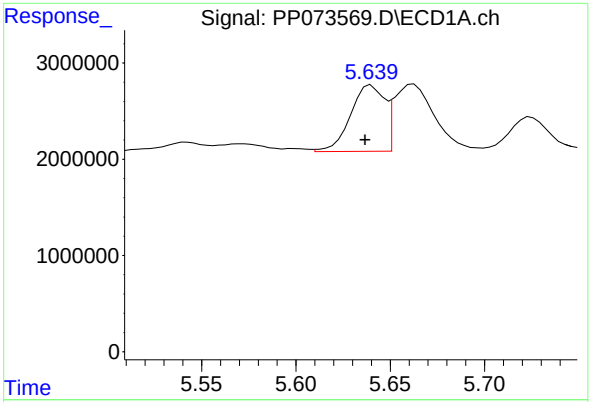
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

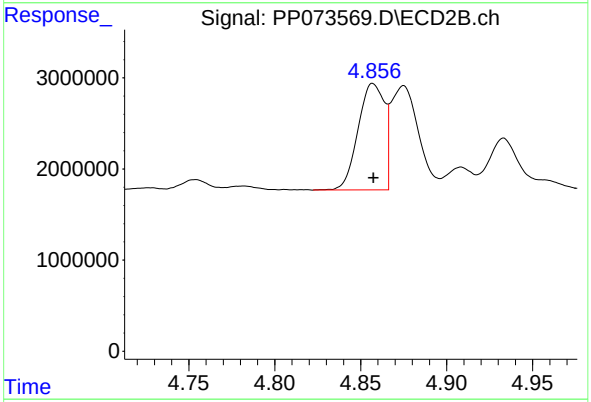
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 36021021
Conc: 26.48 ng/ml



#21 AR-1248-1

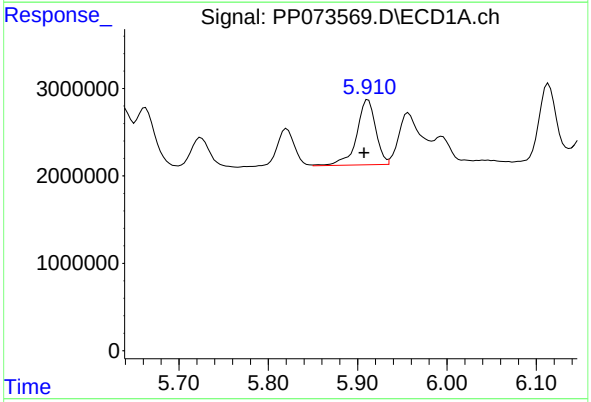
R.T.: 5.640 min
Delta R.T.: 0.003 min
Response: 8580276
Conc: 272.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



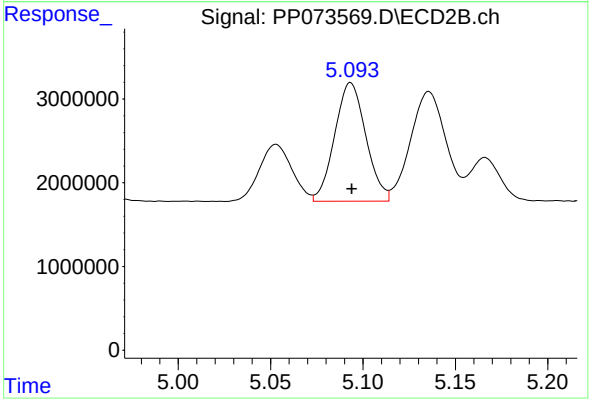
#21 AR-1248-1

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



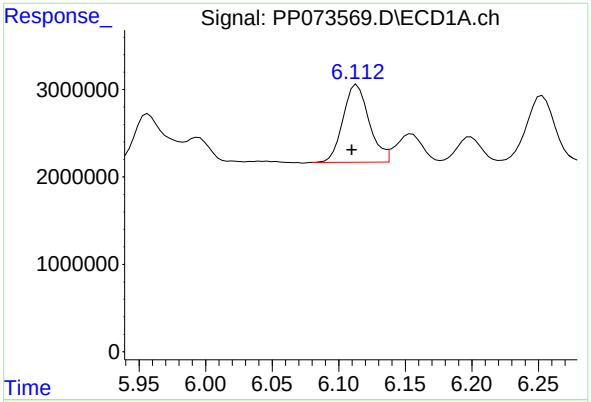
#22 AR-1248-2

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



#22 AR-1248-2

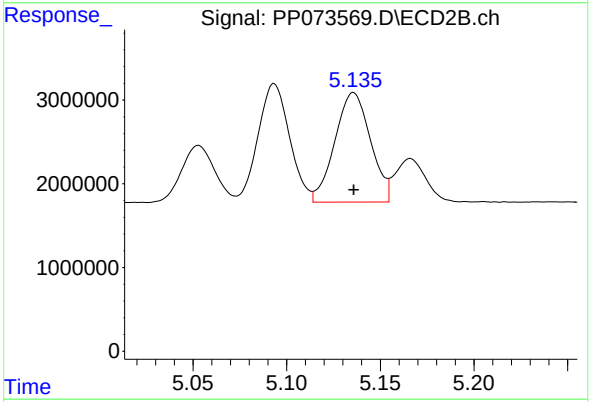
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 16676734
Conc: 269.46 ng/ml



#23 AR-1248-3

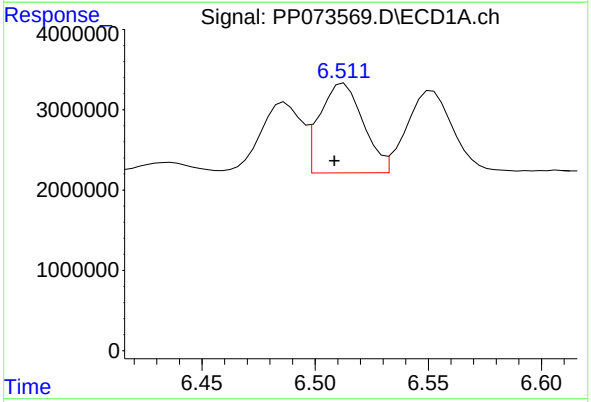
R.T.: 6.114 min
Delta R.T.: 0.004 min
Response: 12142276
Conc: 263.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



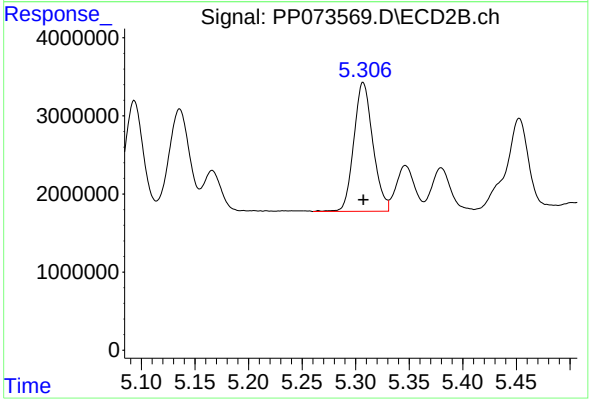
#23 AR-1248-3

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



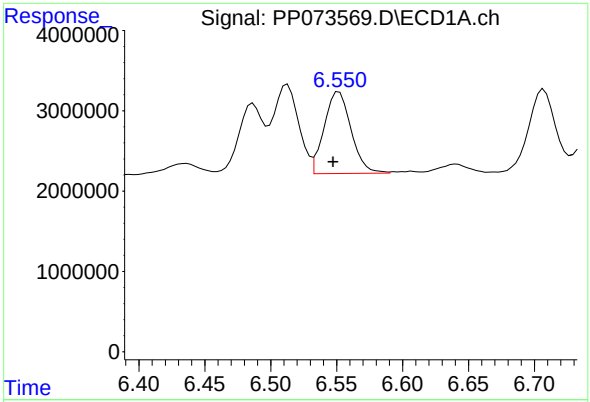
#24 AR-1248-4

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



#24 AR-1248-4

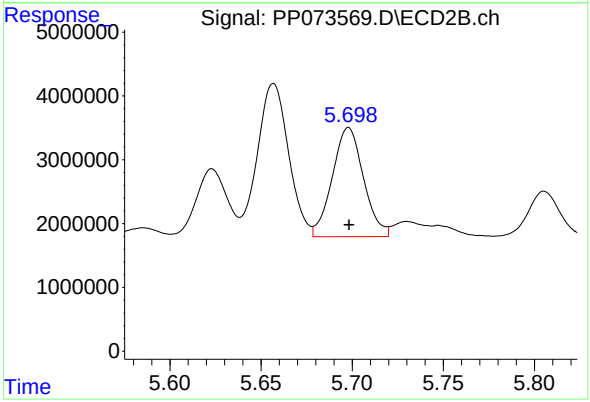
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 20433630
Conc: 271.33 ng/ml



#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

Quantitation Report (QT Reviewed)

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.

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

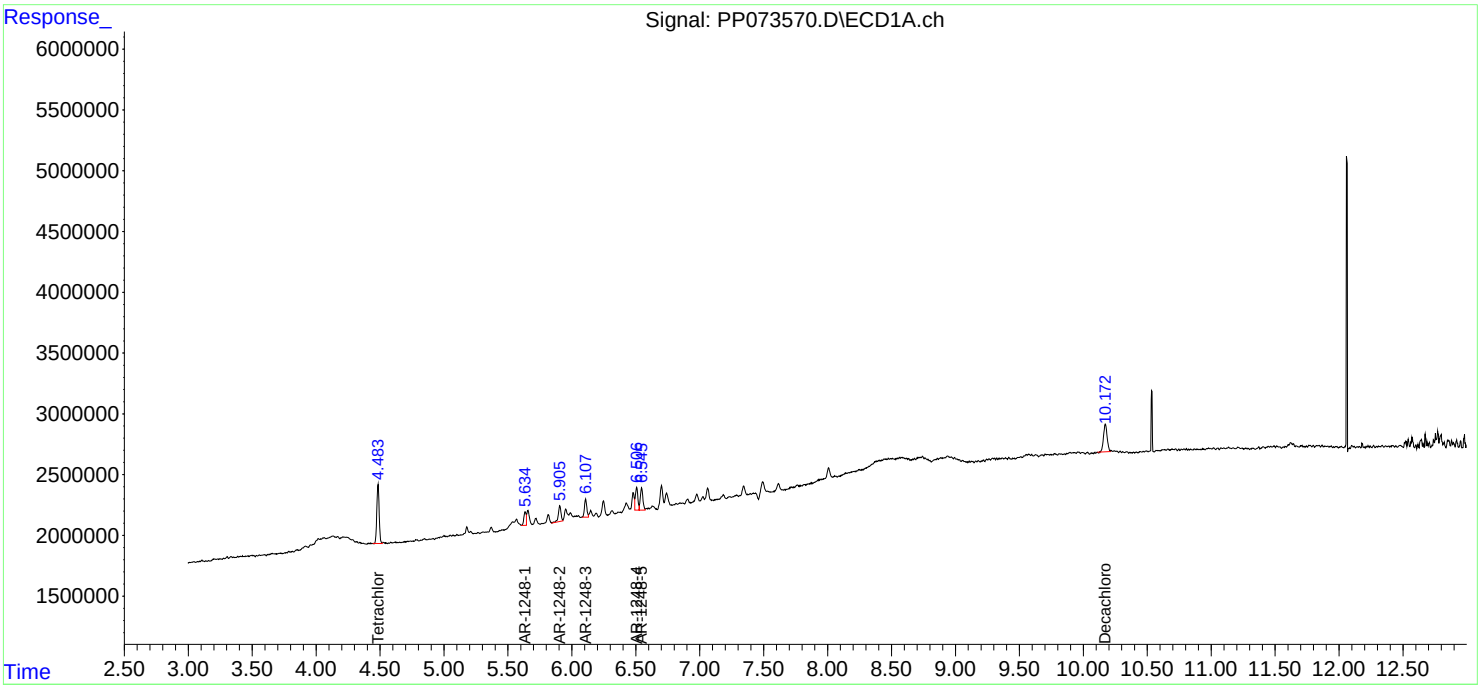
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

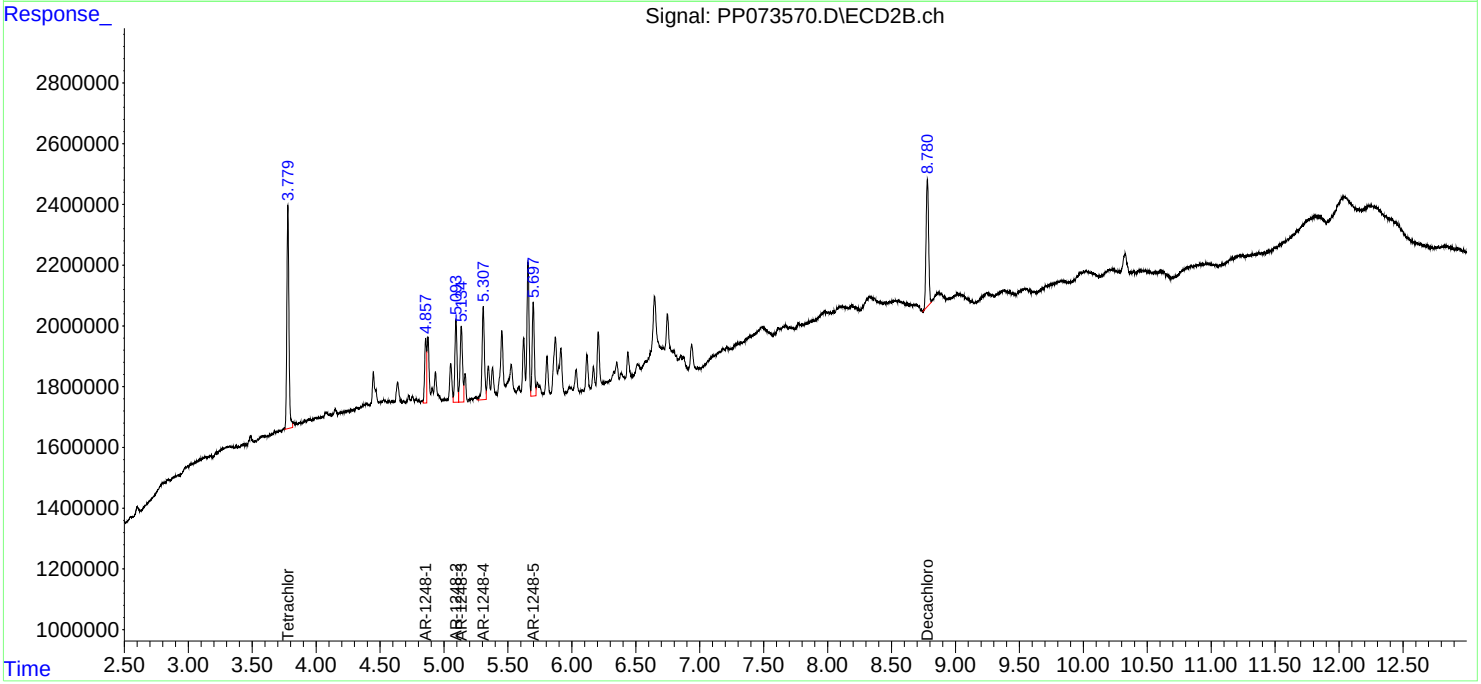
Manual Integrations APPROVED

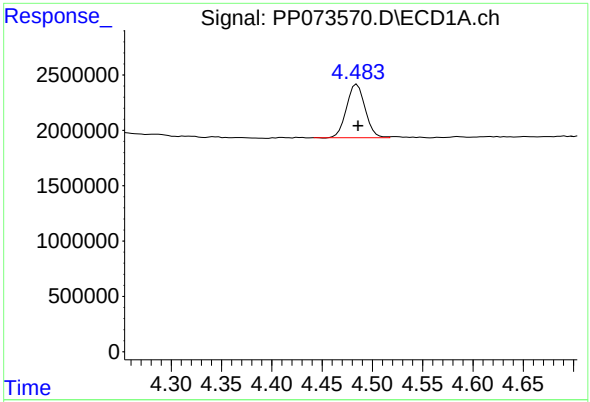
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







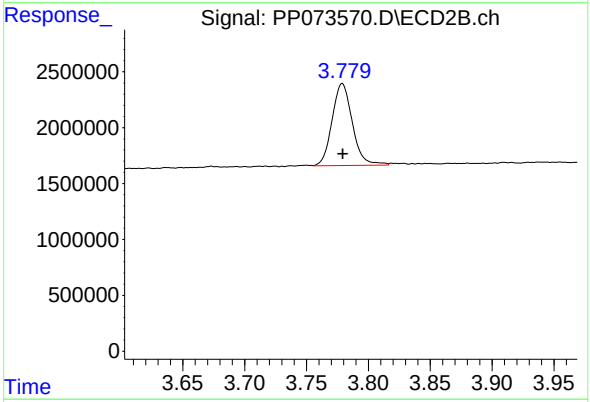
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

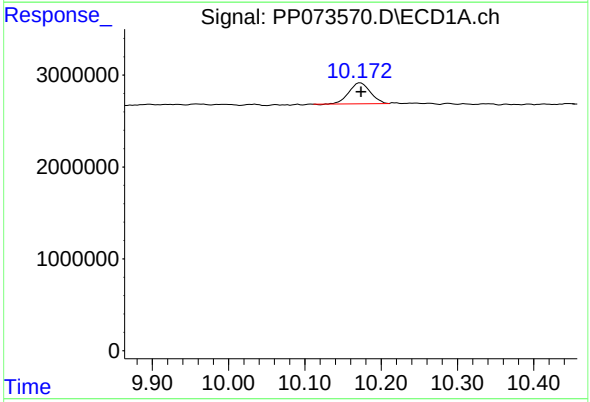
Manual Integrations APPROVED

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



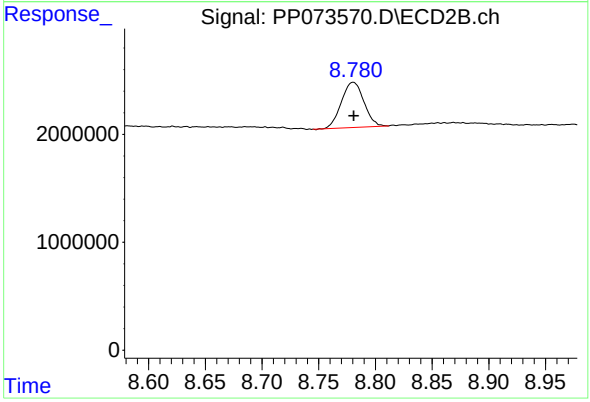
#1 Tetrachloro-m-xylene

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



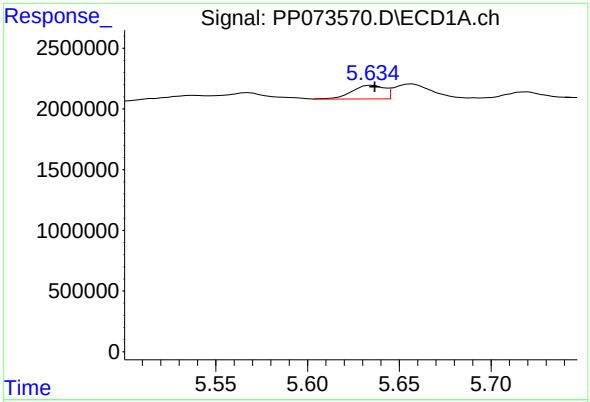
#2 Decachlorobiphenyl

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



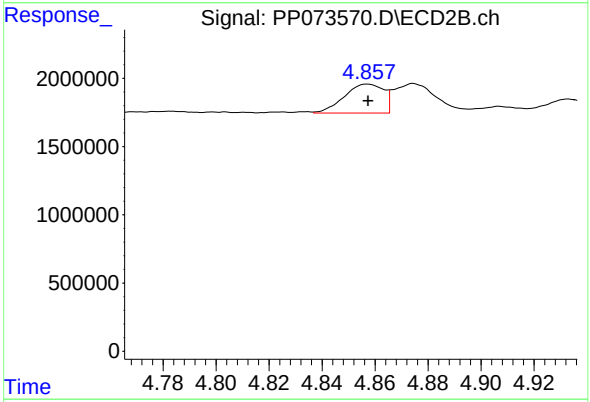
#21 AR-1248-1

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

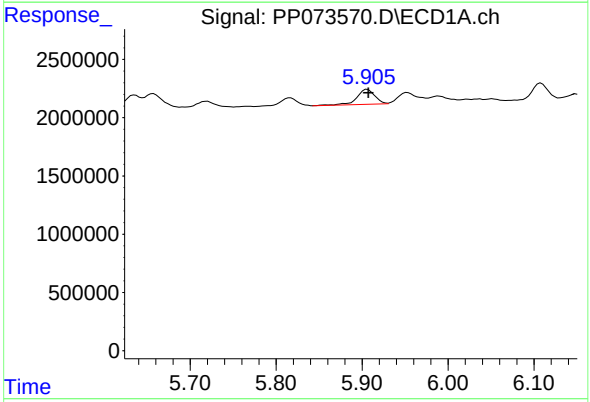
Manual Integrations APPROVED

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



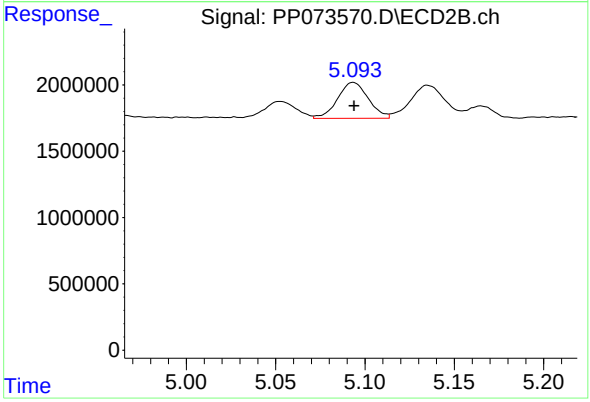
#21 AR-1248-1

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



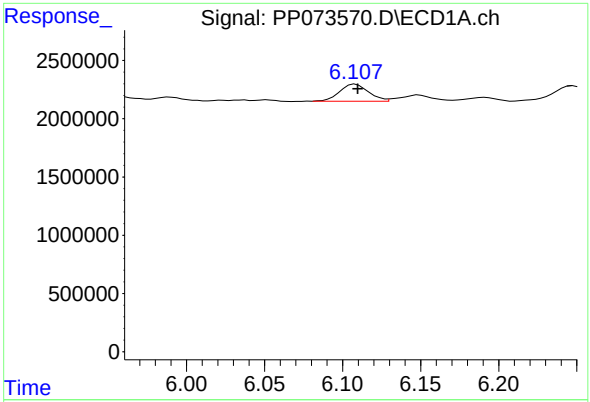
#22 AR-1248-2

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



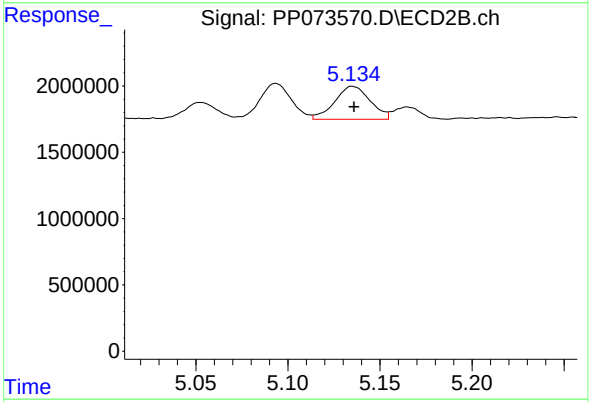
#23 AR-1248-3

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

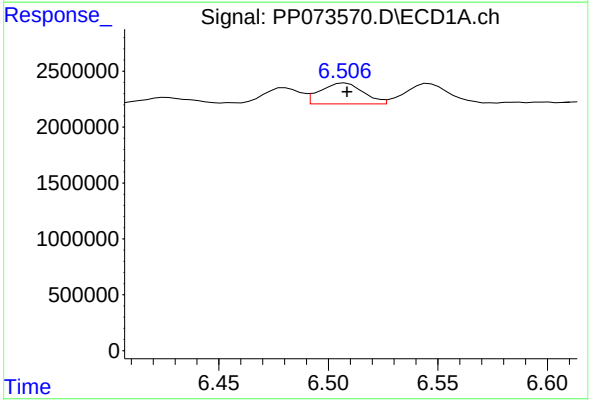
Manual Integrations APPROVED

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



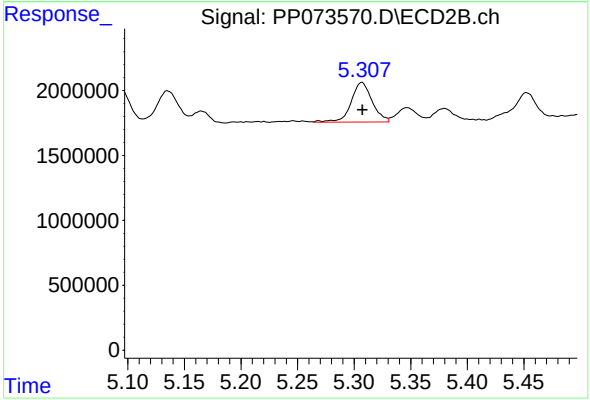
#23 AR-1248-3

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



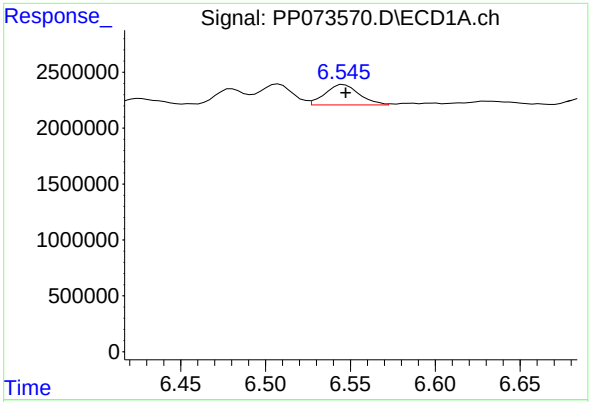
#24 AR-1248-4

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



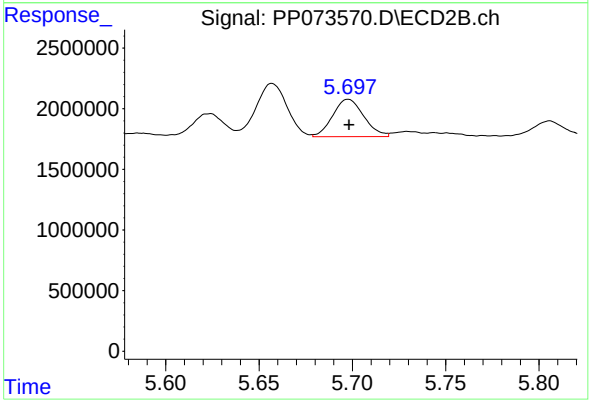
#25 AR-1248-5

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)

ICAL Form

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.

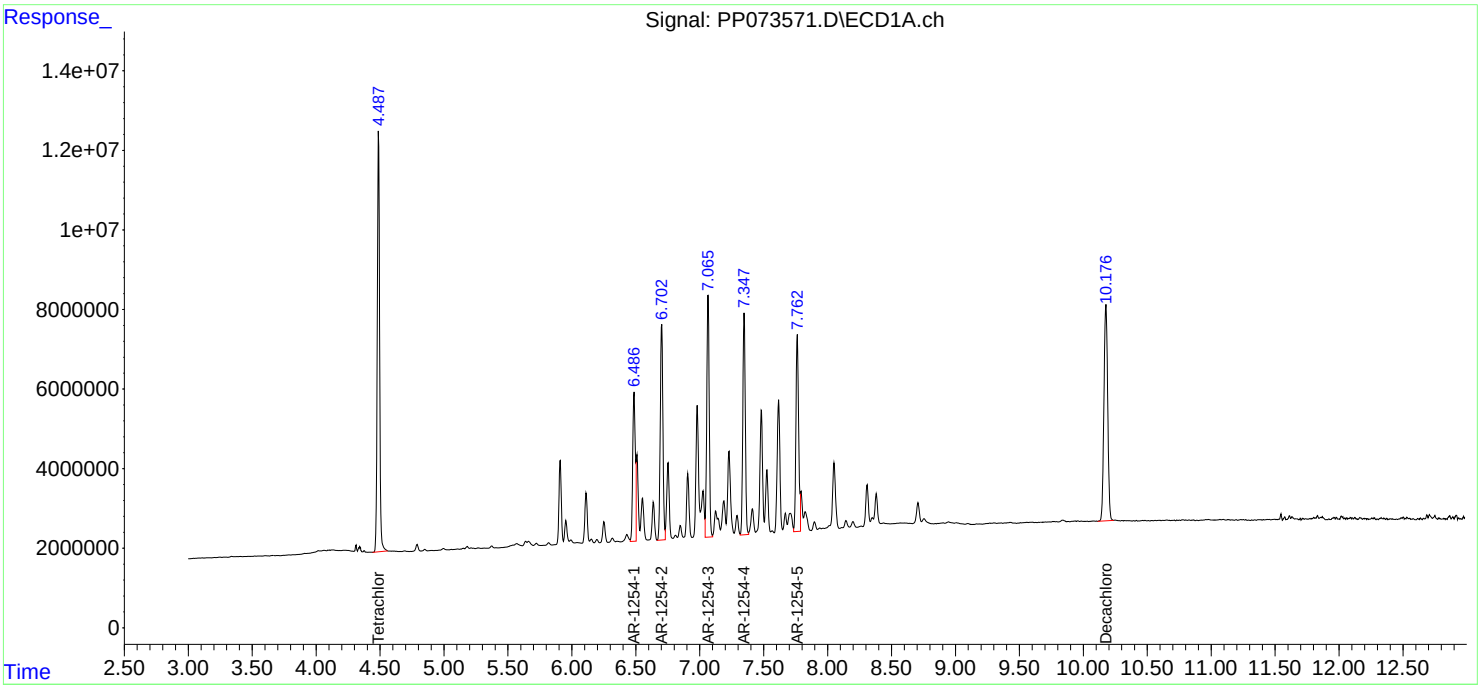
ICAL Form

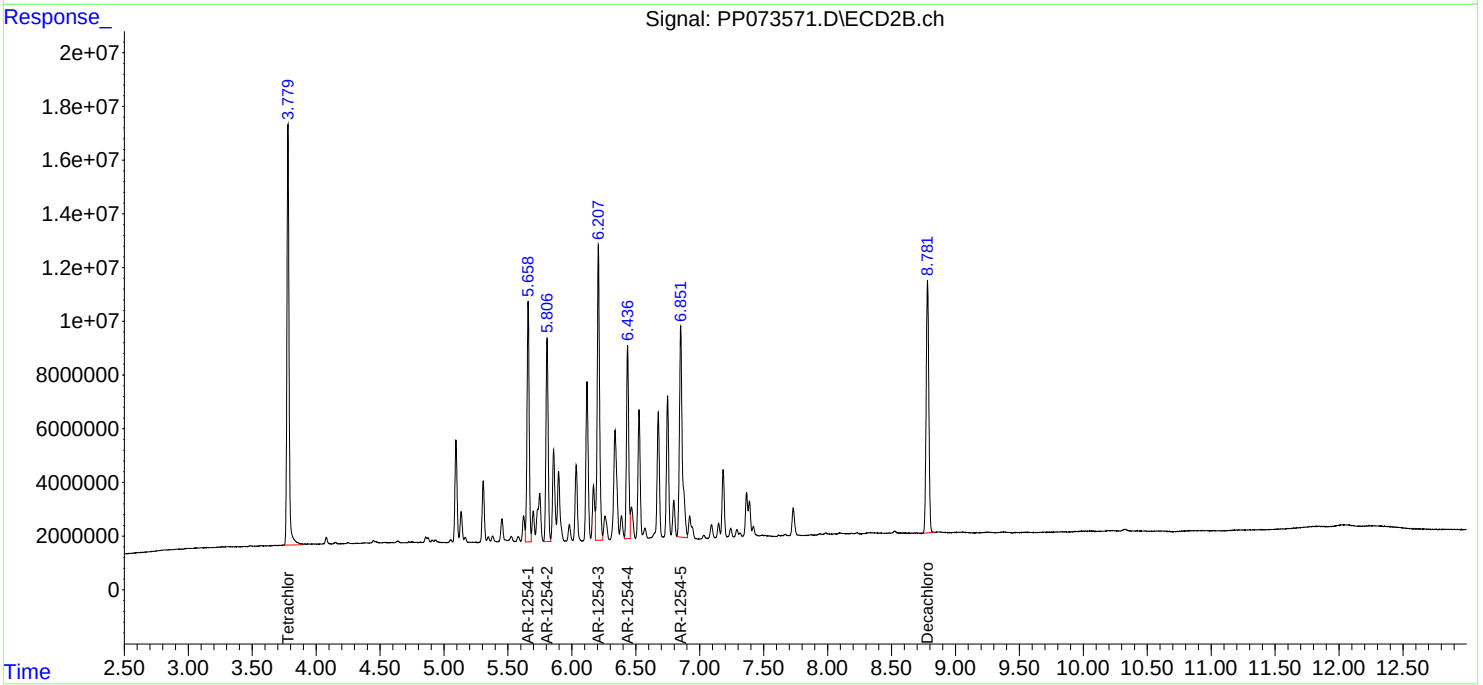
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:41
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

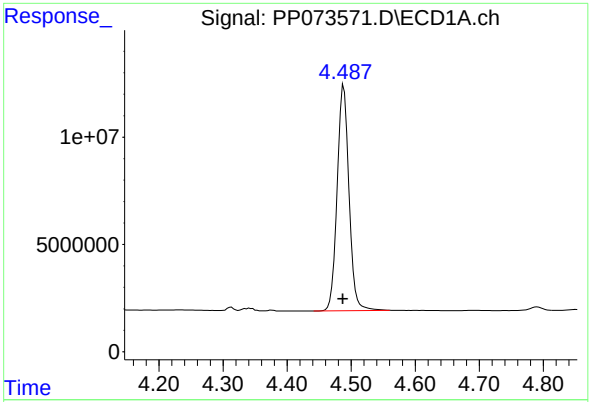
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

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



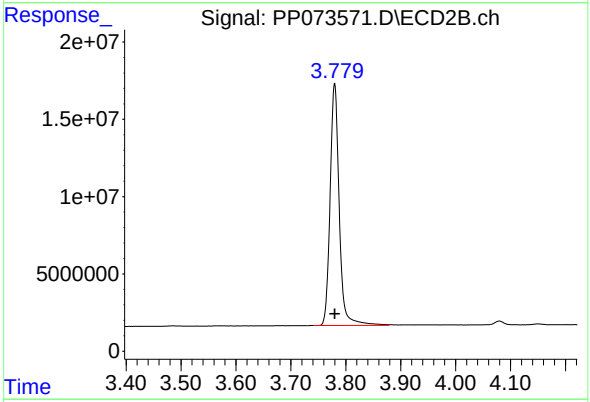




#1 Tetrachloro-m-xylene

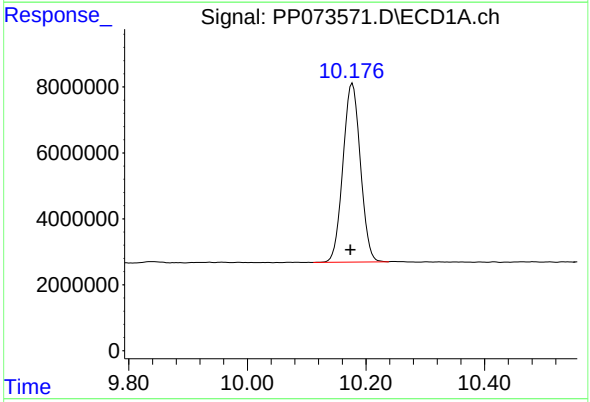
R.T.: 4.489 min
Delta R.T.: 0.002 min
Response: 135162400
Conc: 96.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



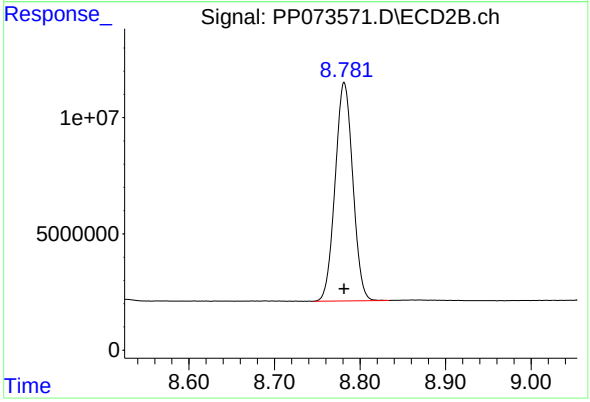
#1 Tetrachloro-m-xylene

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



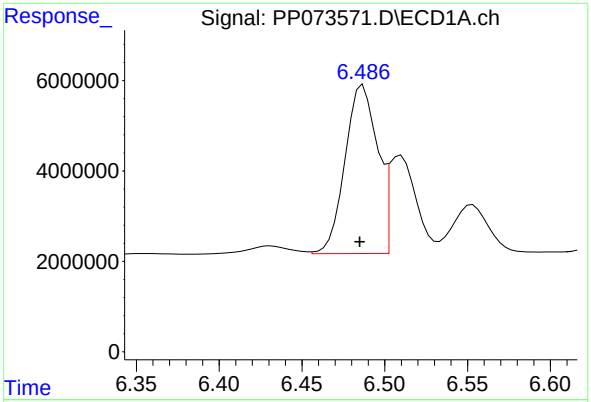
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

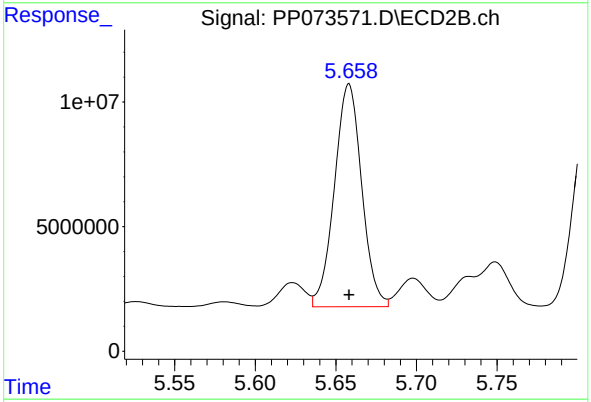
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 134819228
Conc: 98.24 ng/ml



#26 AR-1254-1

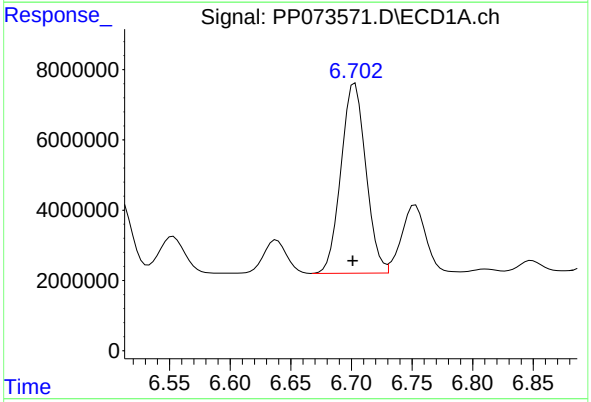
R.T.: 6.487 min
Delta R.T.: 0.002 min
Response: 50900598
Conc: 921.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



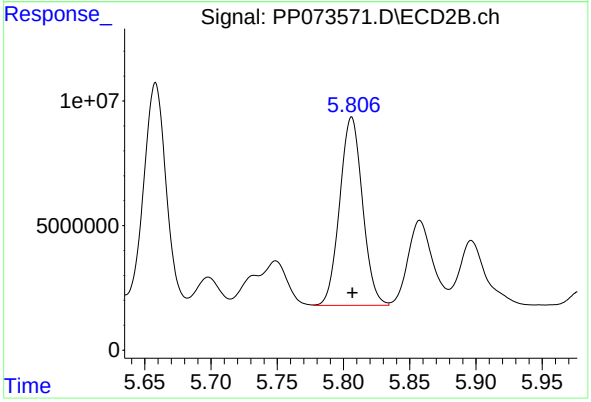
#26 AR-1254-1

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



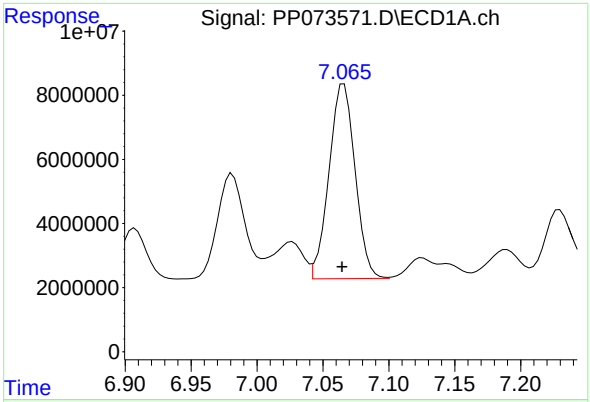
#27 AR-1254-2

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



#27 AR-1254-2

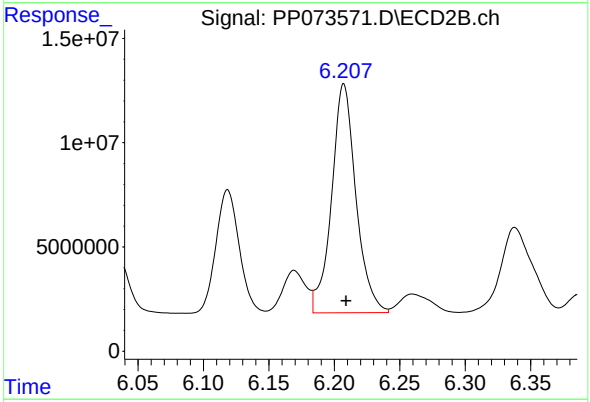
R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 90612135
Conc: 943.09 ng/ml



#28 AR-1254-3

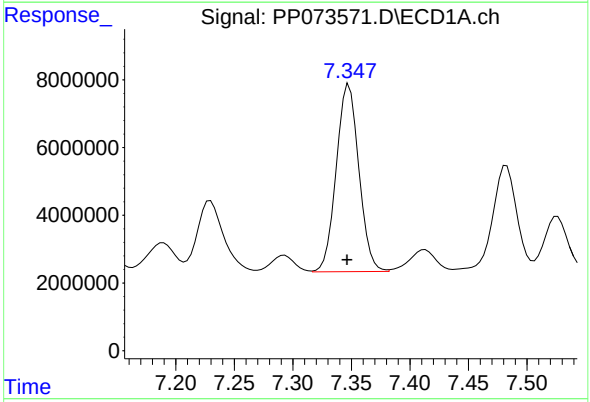
R.T.: 7.066 min
Delta R.T.: 0.002 min
Response: 83677544
Conc: 945.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



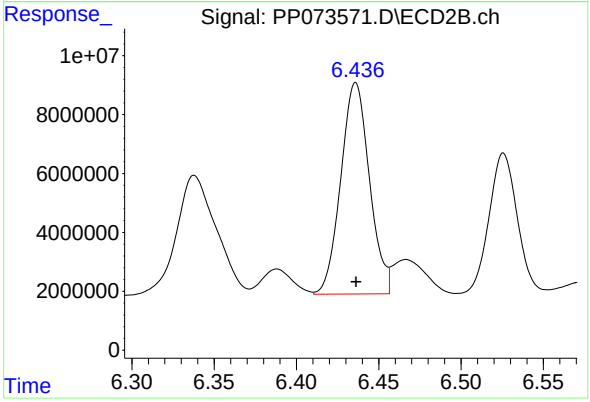
#28 AR-1254-3

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



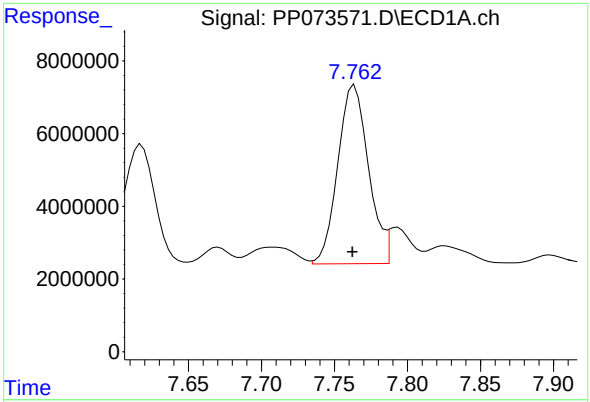
#29 AR-1254-4

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



#29 AR-1254-4

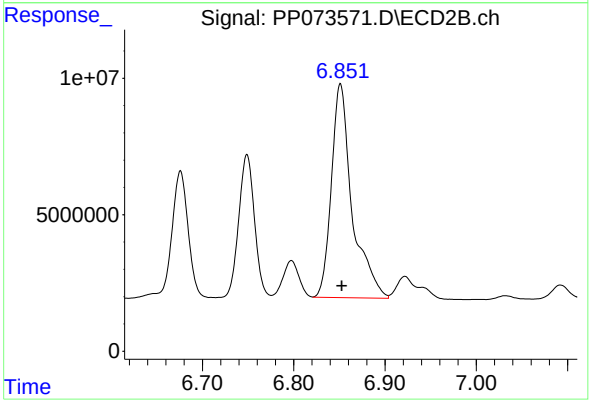
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 86996505
Conc: 922.05 ng/ml



#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)

ICAL Form

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.

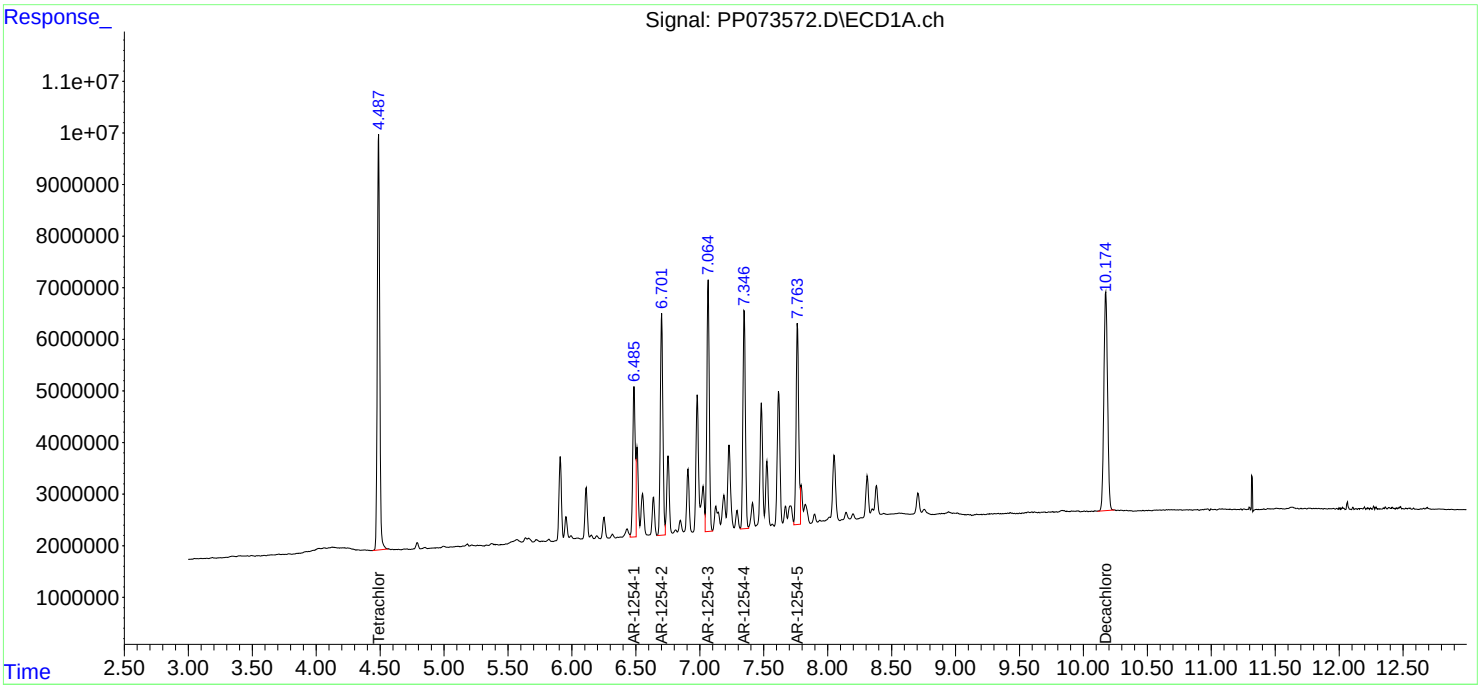
ICAL Form

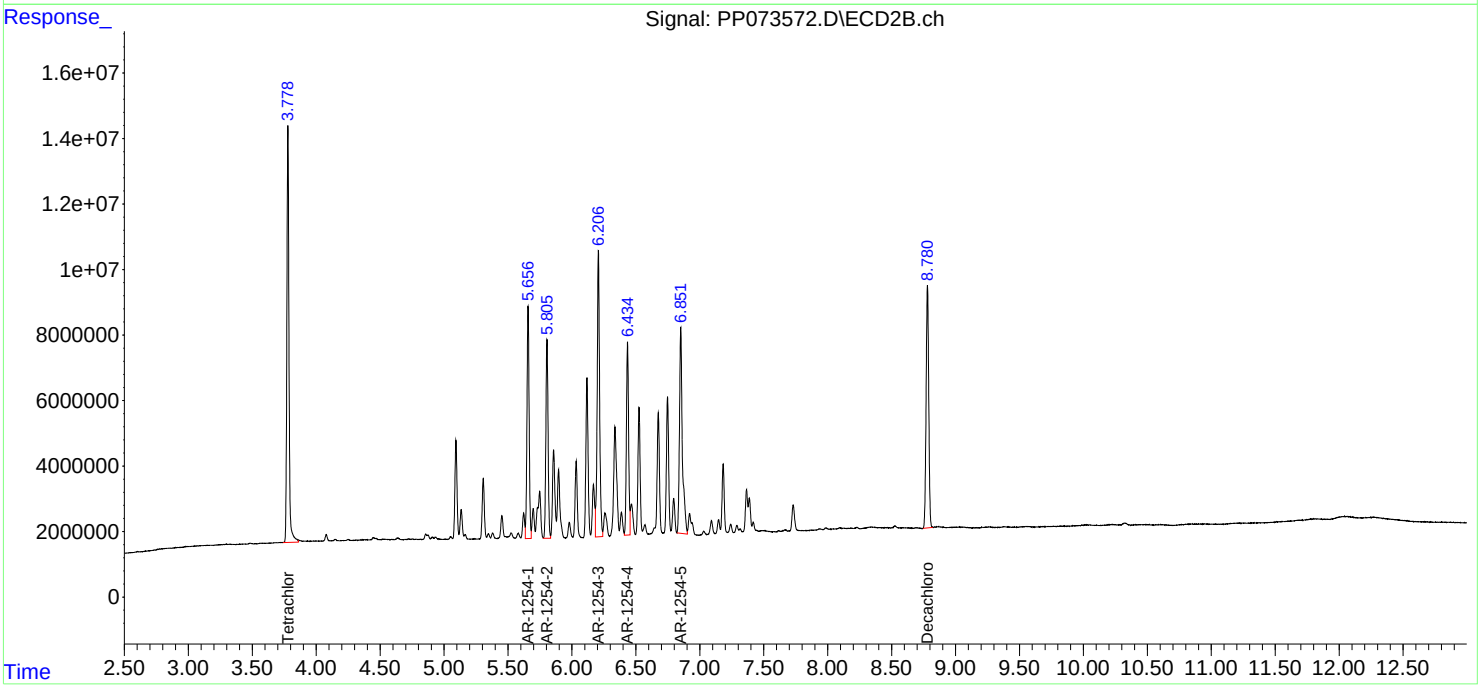
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:57
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

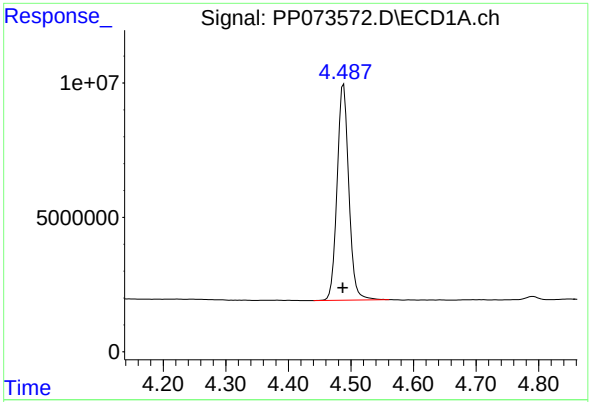
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

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



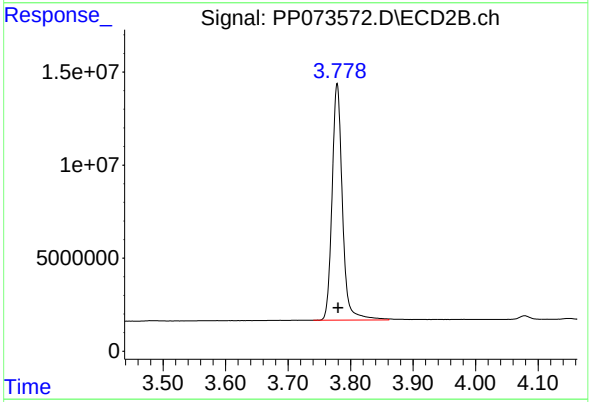




#1 Tetrachloro-m-xylene

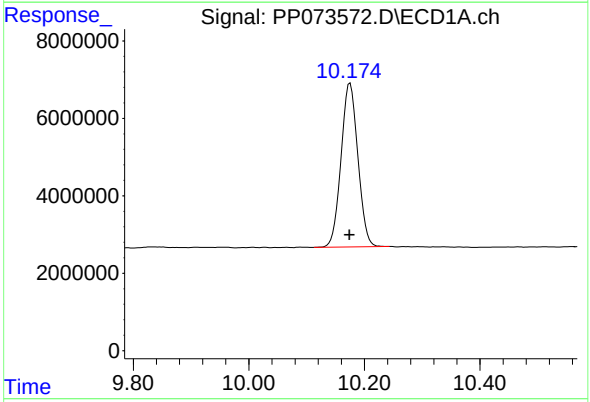
R.T.: 4.488 min
Delta R.T.: 0.001 min
Response: 104674567
Conc: 74.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



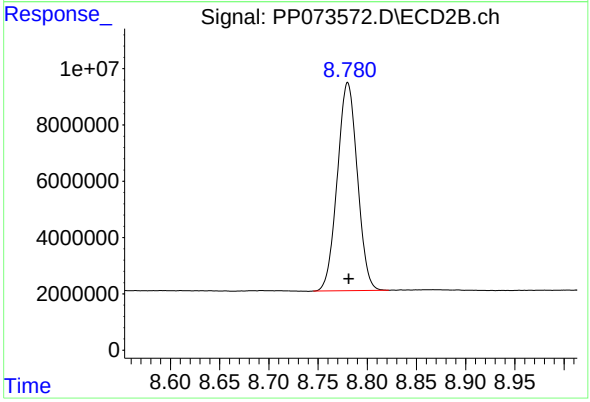
#1 Tetrachloro-m-xylene

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



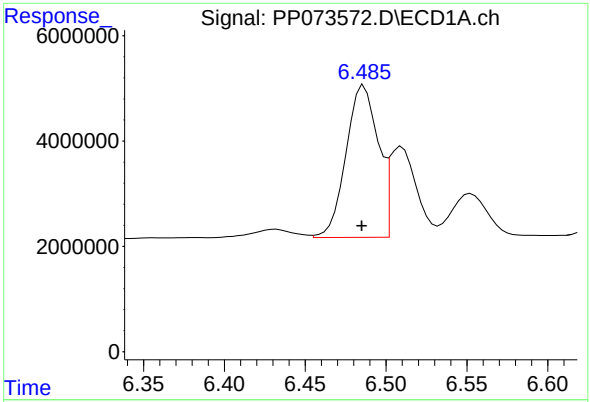
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

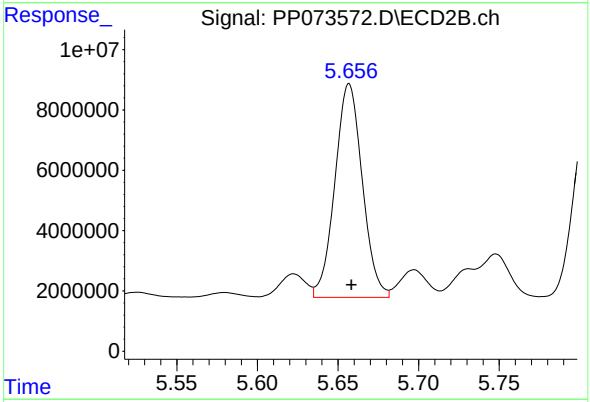
R.T.: 8.780 min
Delta R.T.: -0.001 min
Response: 104882292
Conc: 76.43 ng/ml



#26 AR-1254-1

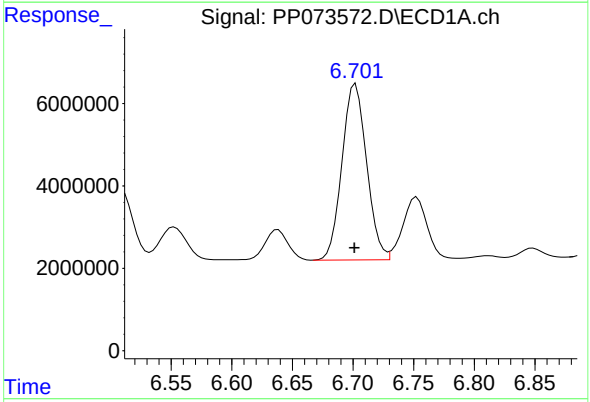
R.T.: 6.486 min
Delta R.T.: 0.001 min
Response: 39869819
Conc: 722.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



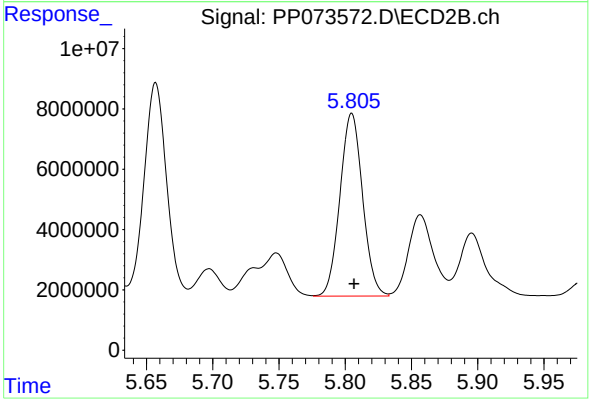
#26 AR-1254-1

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



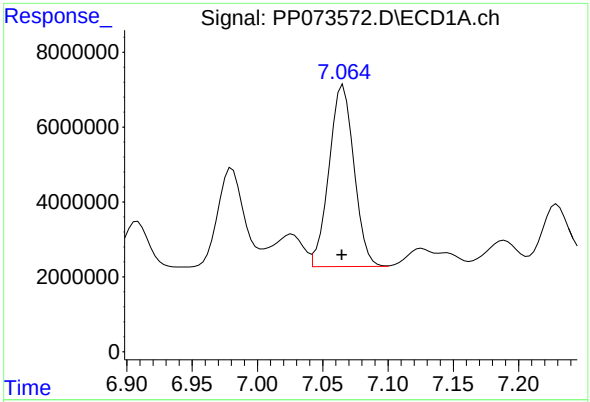
#27 AR-1254-2

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



#27 AR-1254-2

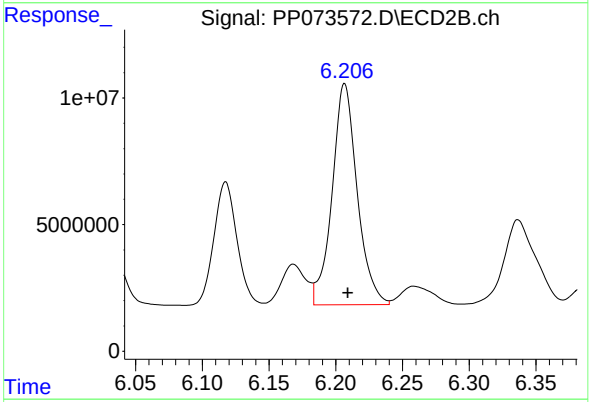
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 72154275
Conc: 750.98 ng/ml



#28 AR-1254-3

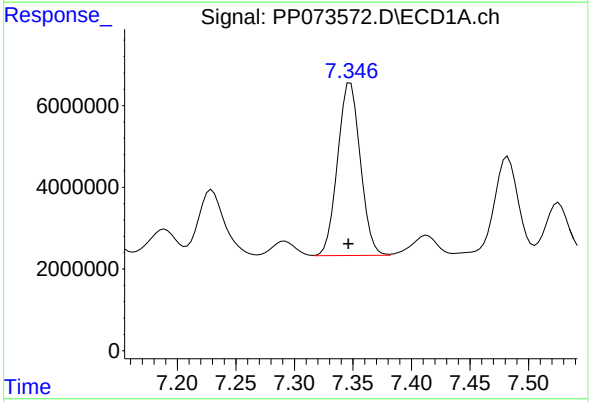
R.T.: 7.066 min
Delta R.T.: 0.001 min
Response: 64508177
Conc: 728.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



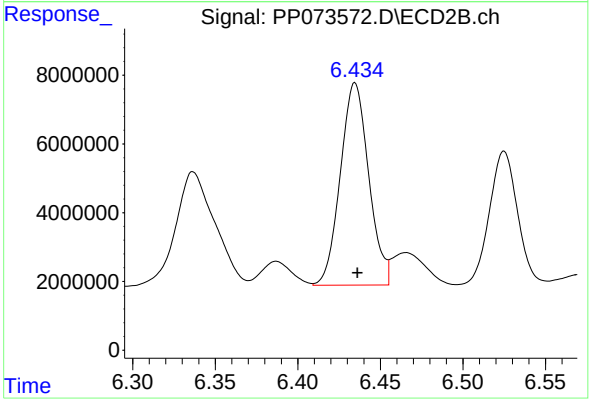
#28 AR-1254-3

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



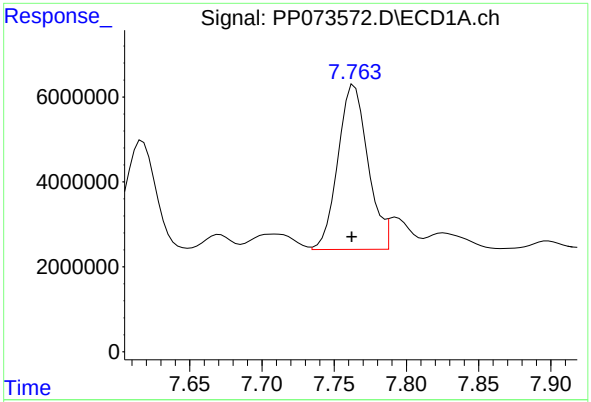
#29 AR-1254-4

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



#29 AR-1254-4

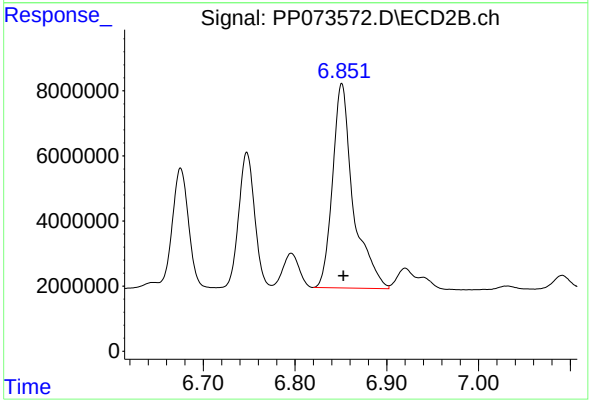
R.T.: 6.435 min
Delta R.T.: -0.001 min
Response: 70426326
Conc: 746.43 ng/ml



#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)

ICAL Form

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.

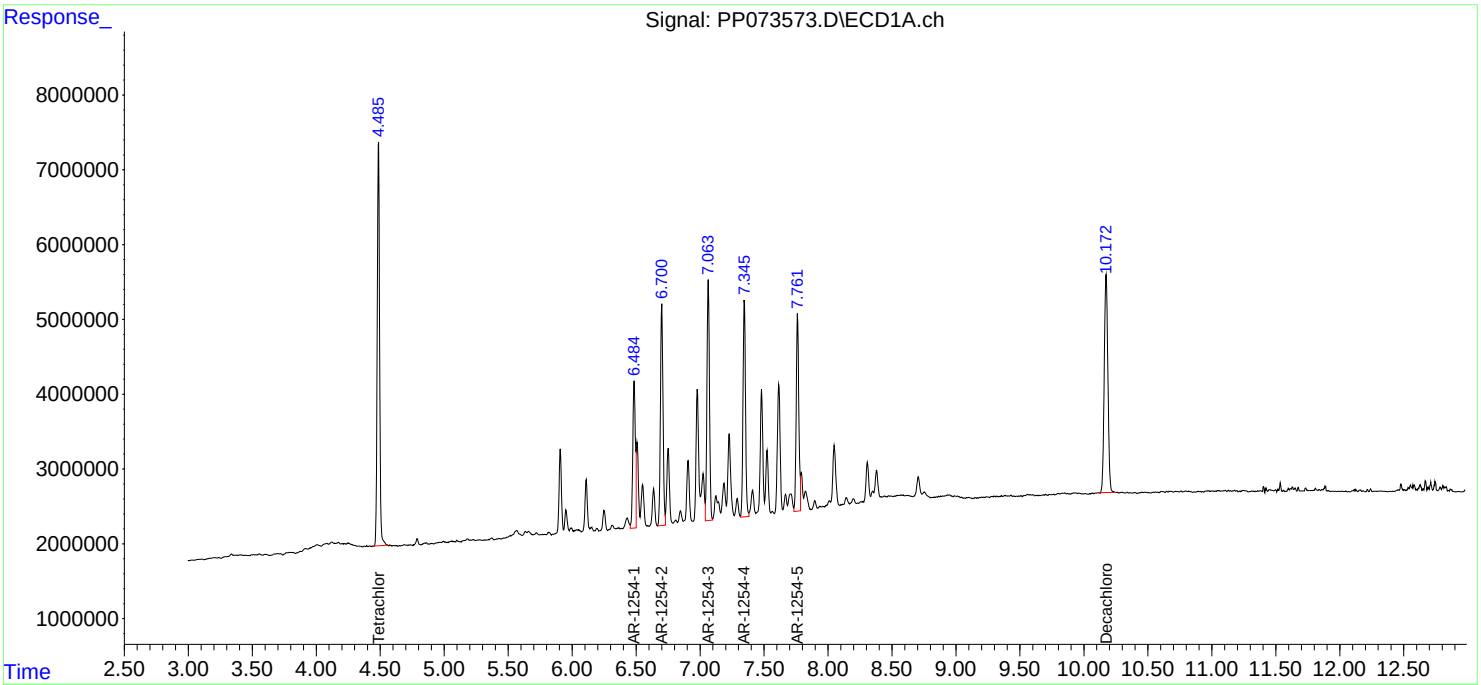
ICAL Form

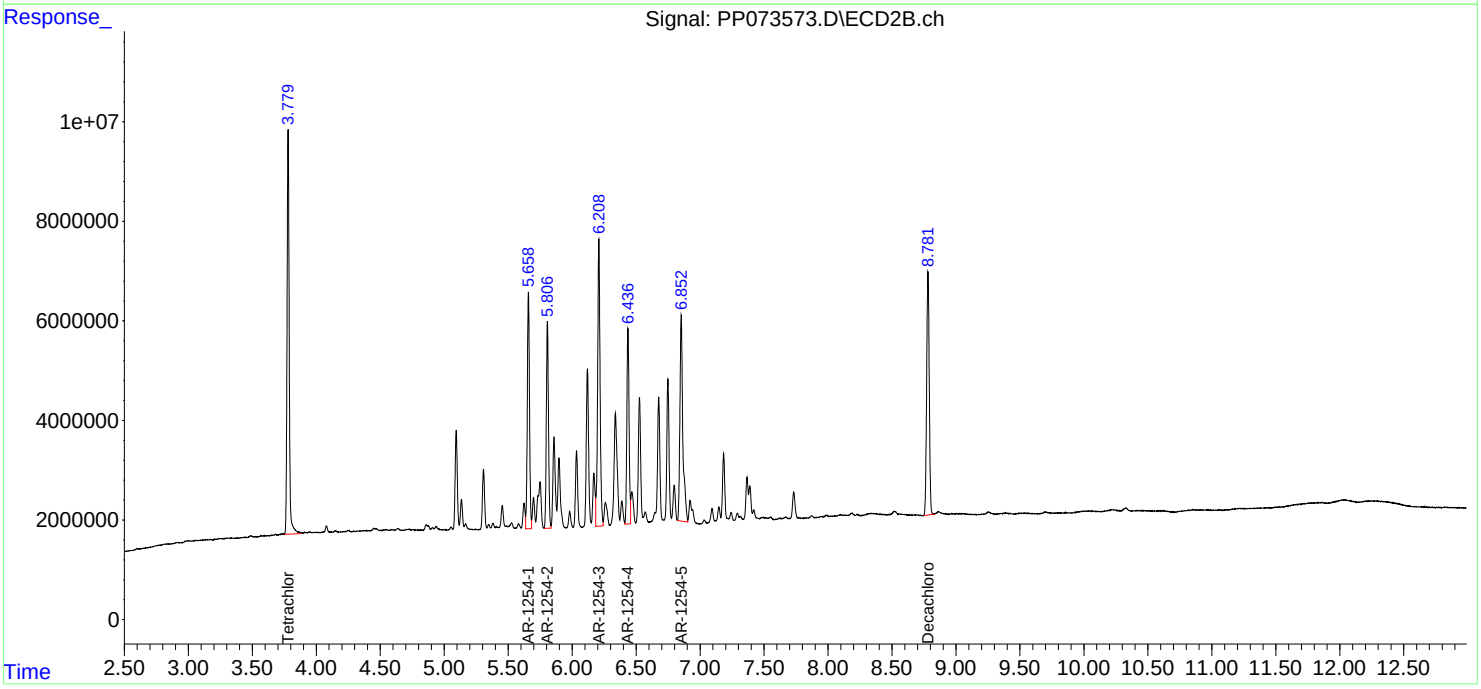
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

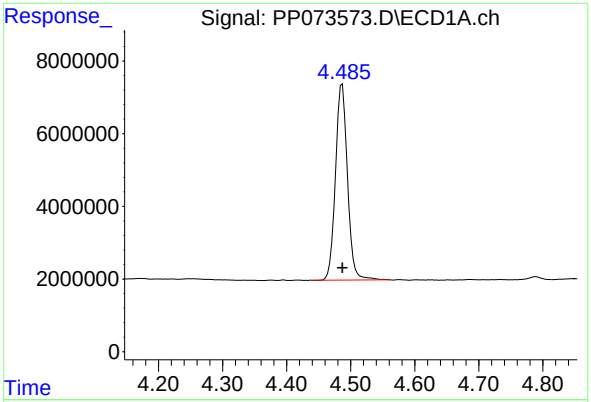
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

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



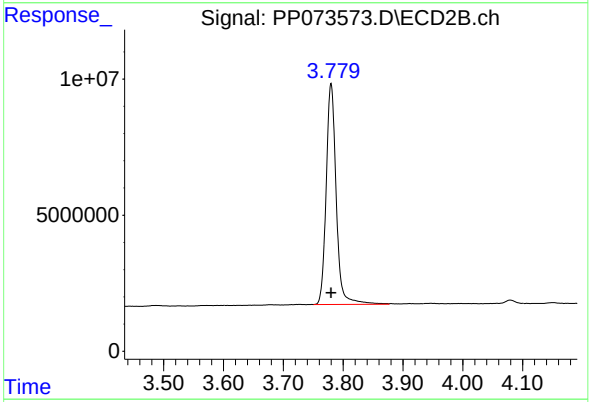




#1 Tetrachloro-m-xylene

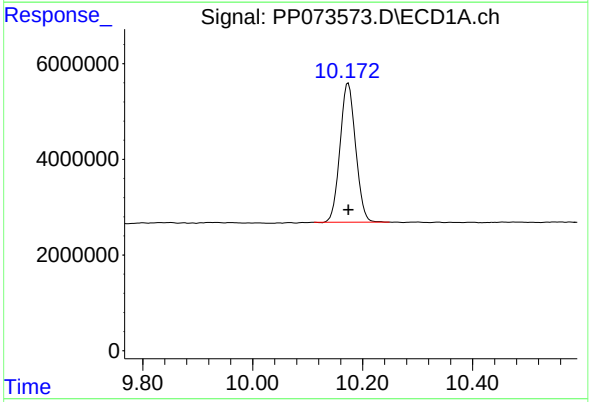
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 70057774
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



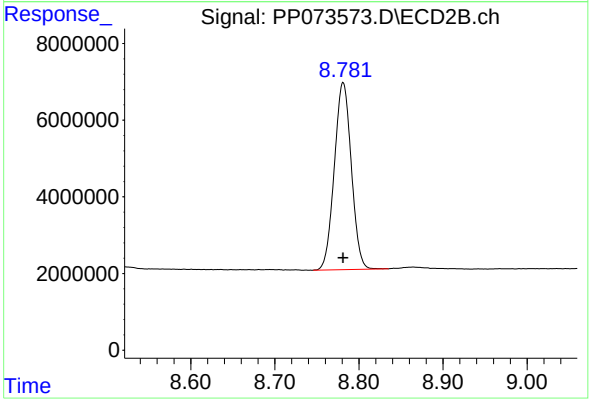
#1 Tetrachloro-m-xylene

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



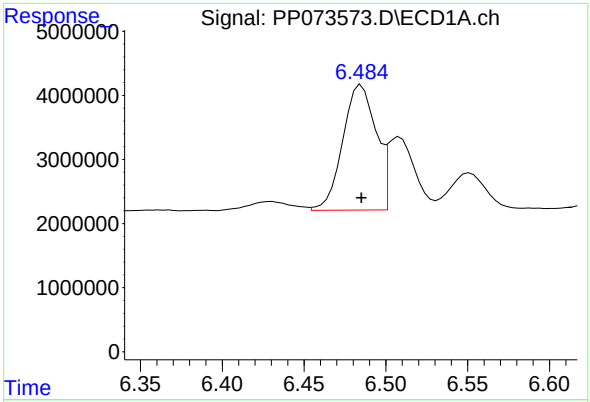
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

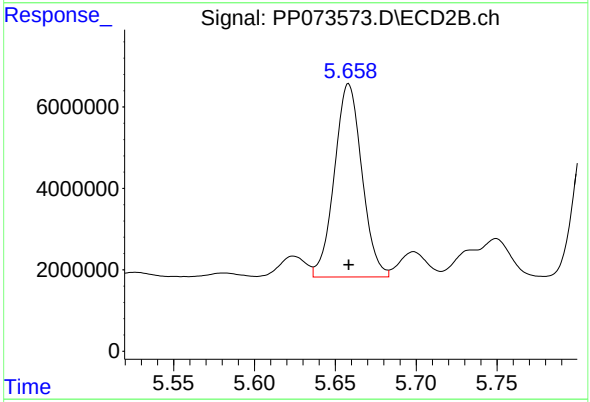
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 68616932
Conc: 50.00 ng/ml



#26 AR-1254-1

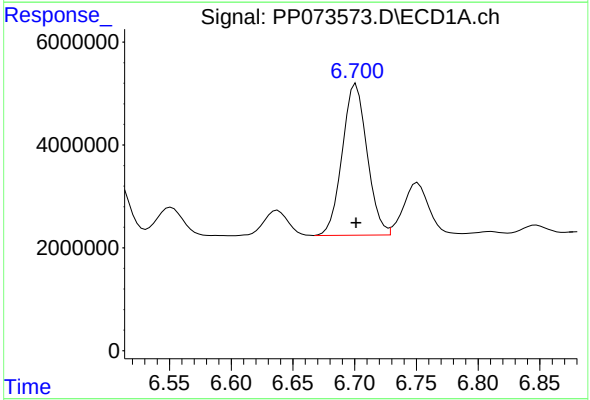
R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 27604602
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



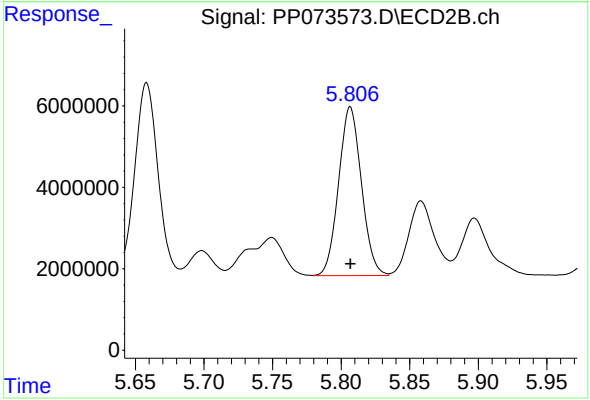
#26 AR-1254-1

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



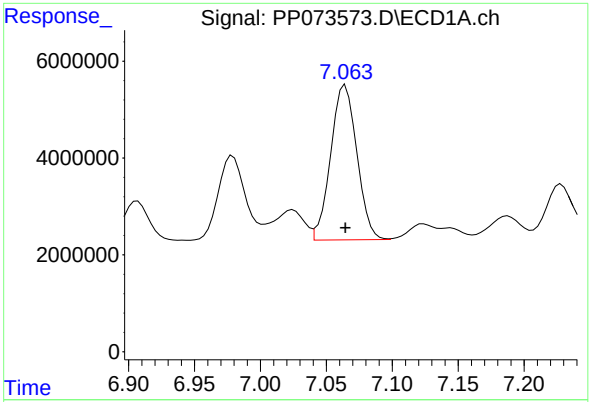
#27 AR-1254-2

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



#27 AR-1254-2

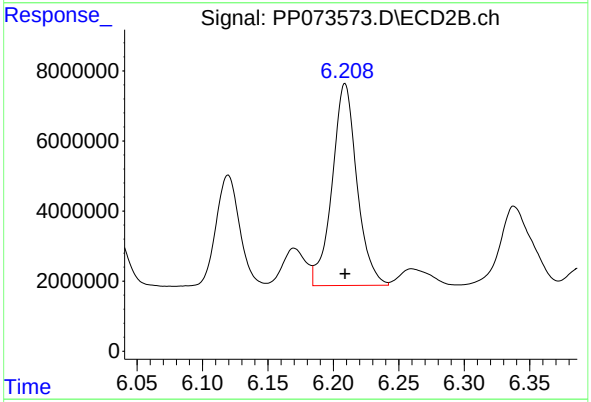
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 48039880
Conc: 500.00 ng/ml



#28 AR-1254-3

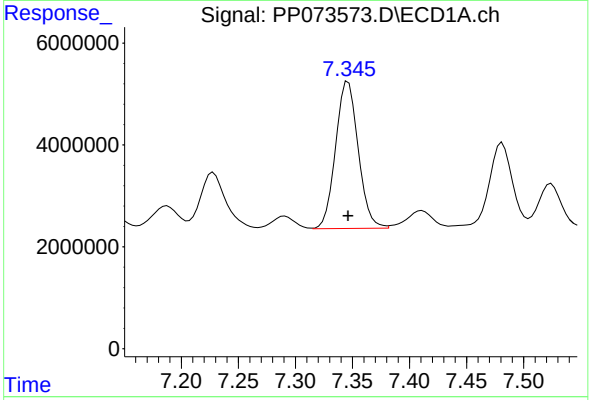
R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 44246186
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



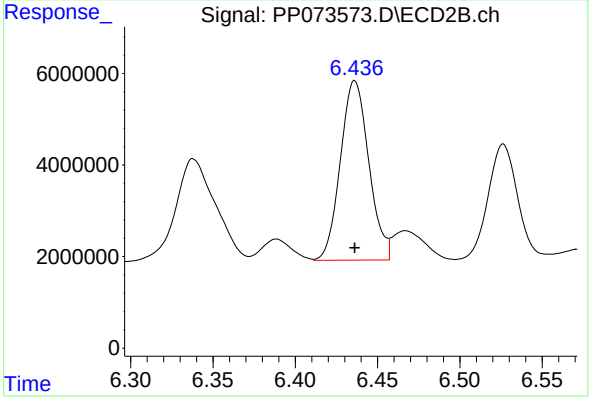
#28 AR-1254-3

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



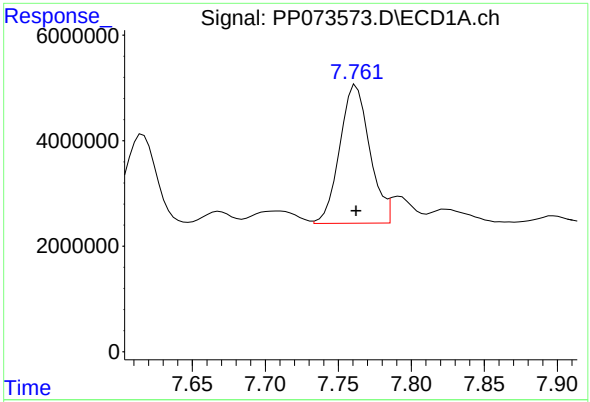
#29 AR-1254-4

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



#29 AR-1254-4

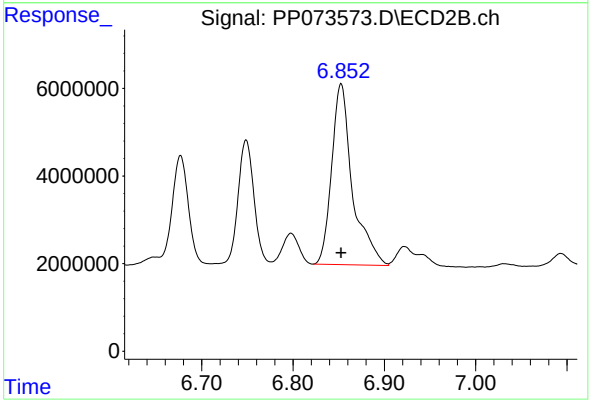
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 47175510
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

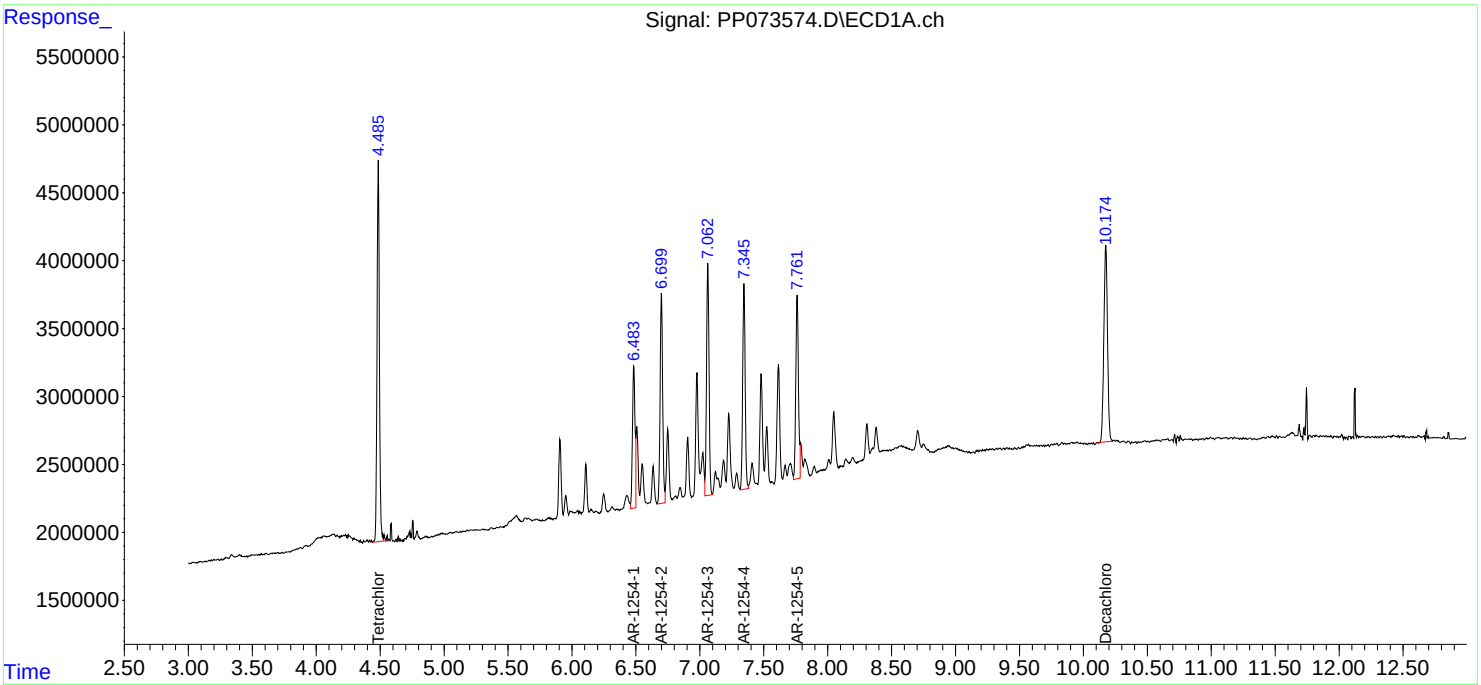
ICAL Form

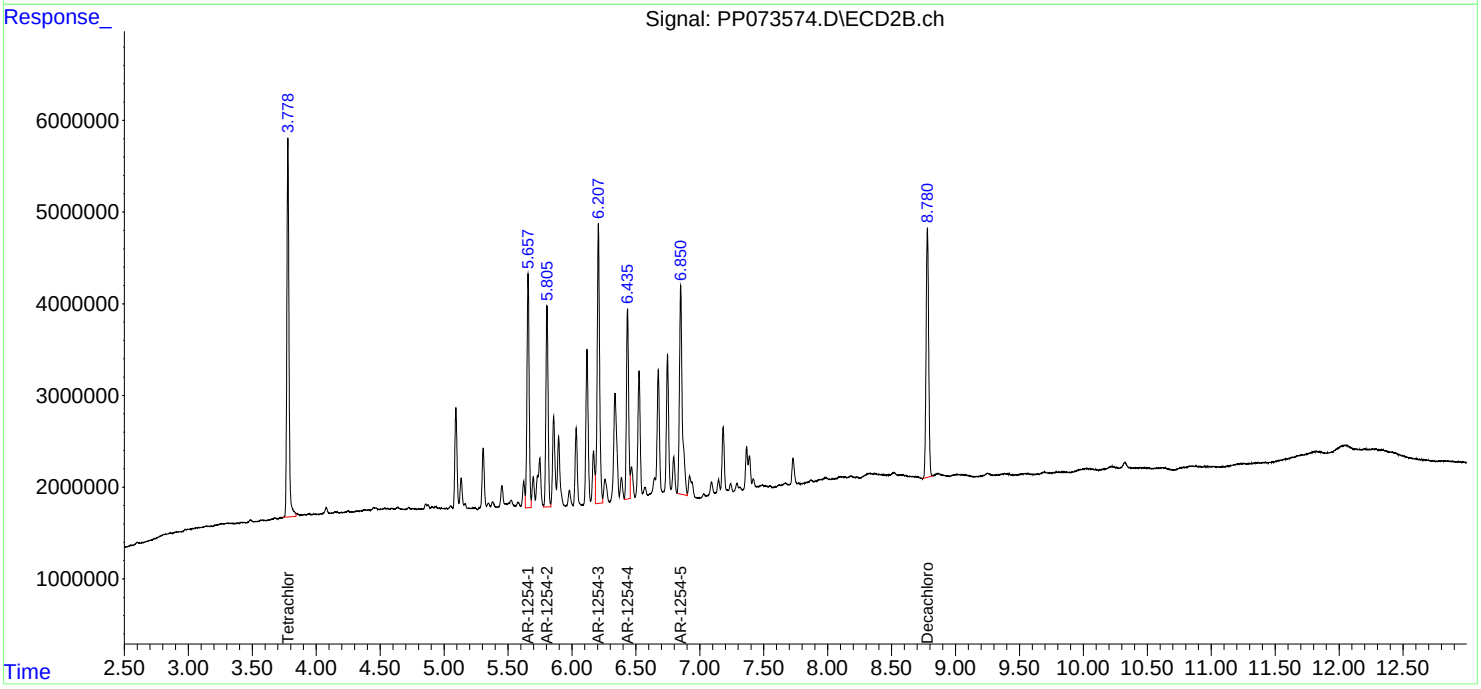
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:30
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

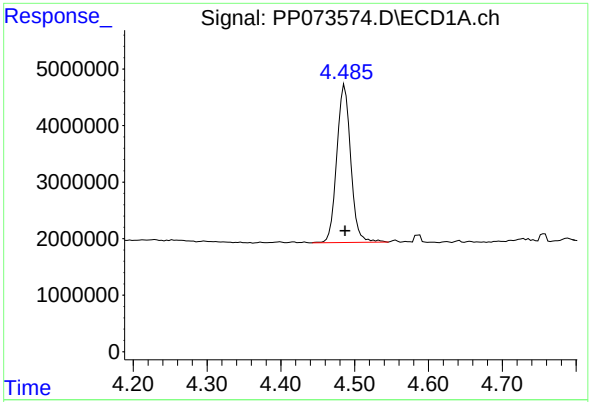
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

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



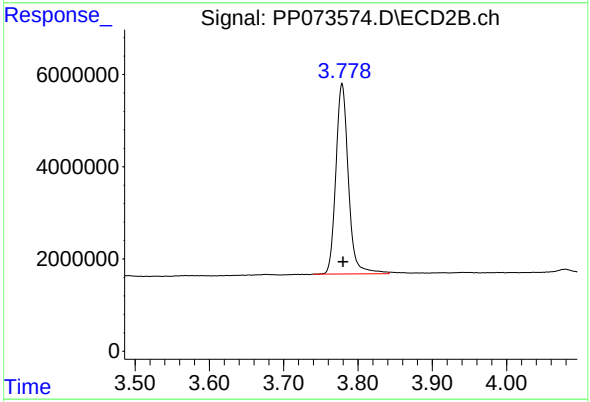




#1 Tetrachloro-m-xylene

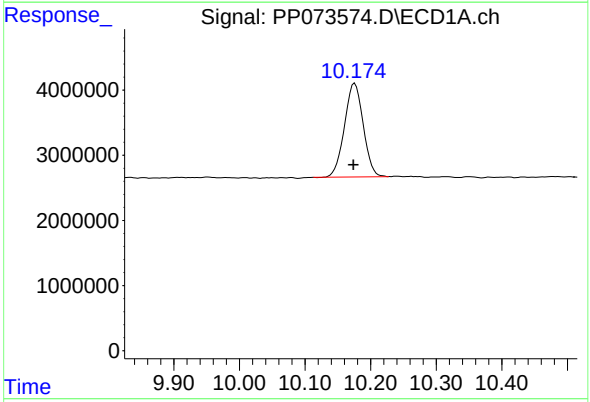
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 36639041
Conc: 26.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



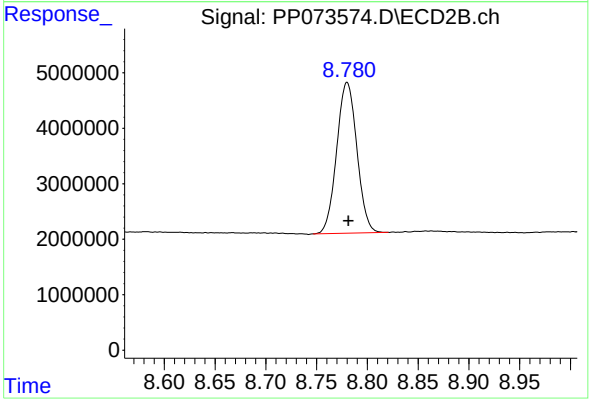
#1 Tetrachloro-m-xylene

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



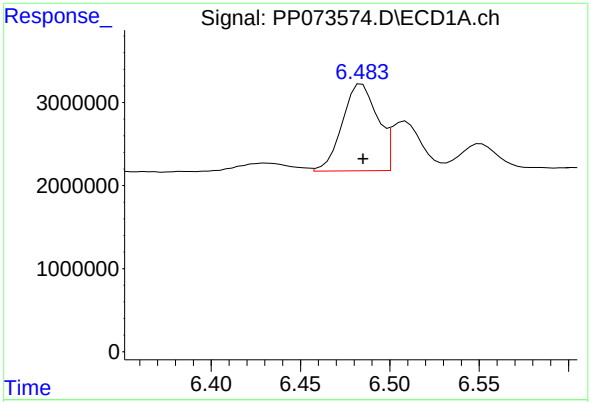
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

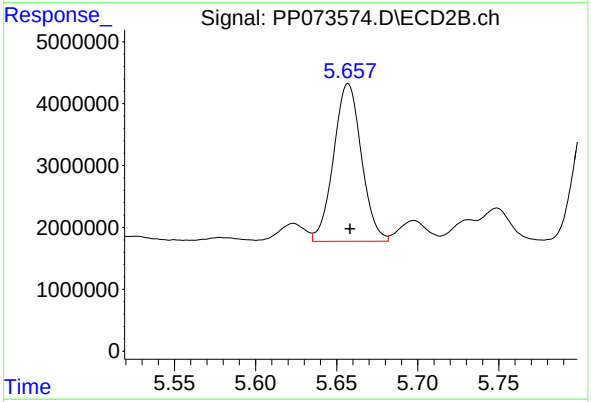
R.T.: 8.780 min
Delta R.T.: -0.001 min
Response: 37692438
Conc: 27.47 ng/ml



#26 AR-1254-1

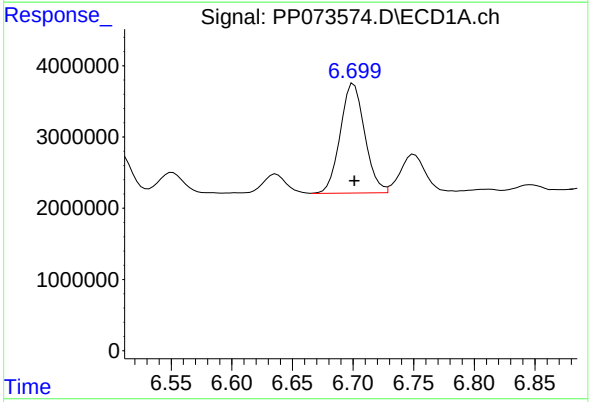
R.T.: 6.484 min
Delta R.T.: 0.000 min
Response: 14279096
Conc: 258.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



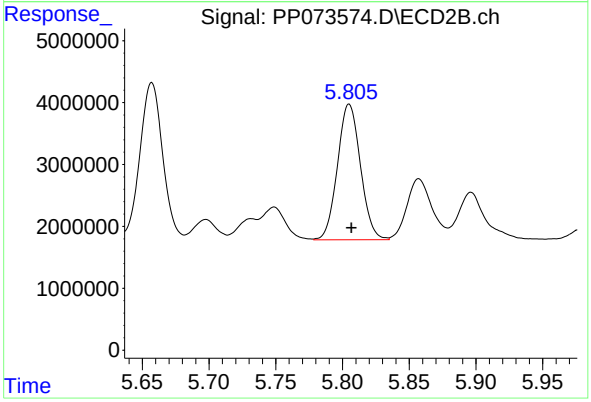
#26 AR-1254-1

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



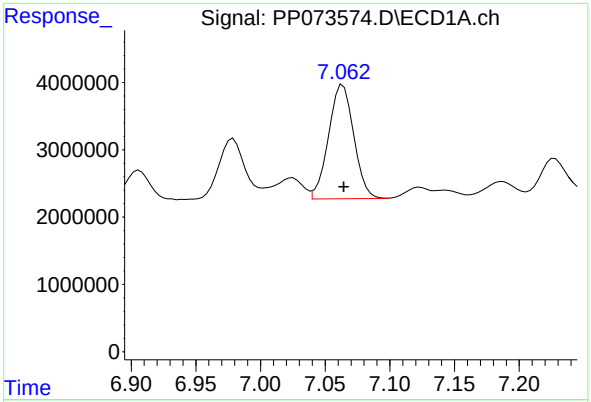
#27 AR-1254-2

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



#27 AR-1254-2

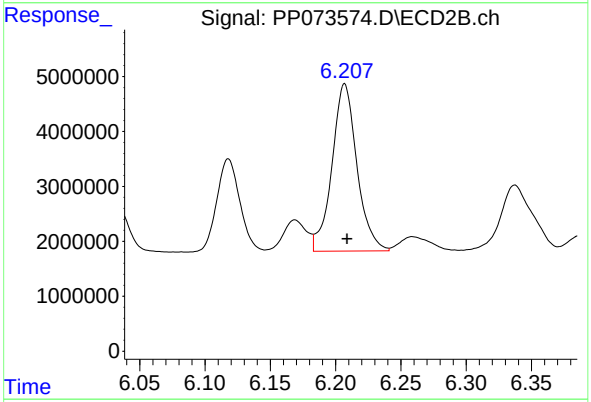
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 26282271
Conc: 273.55 ng/ml



#28 AR-1254-3

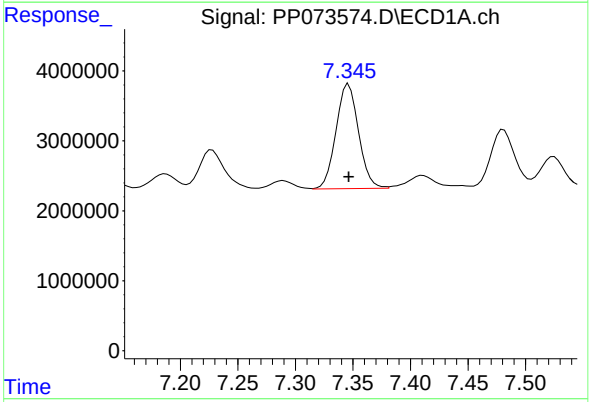
R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 23018010
Conc: 260.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



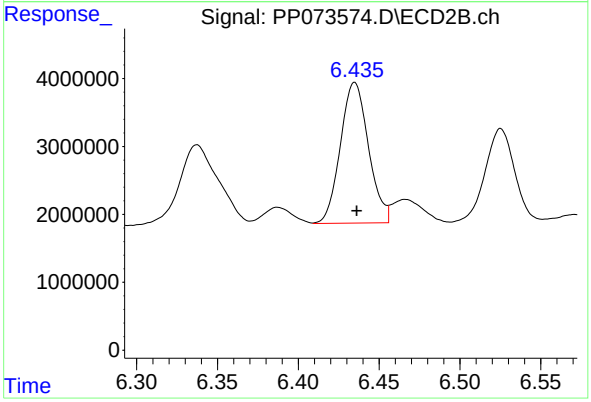
#28 AR-1254-3

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



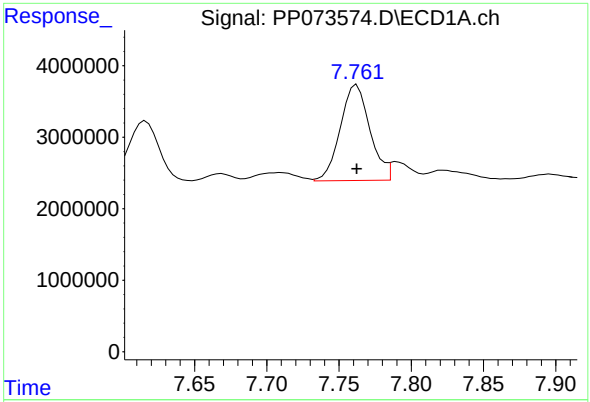
#29 AR-1254-4

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



#29 AR-1254-4

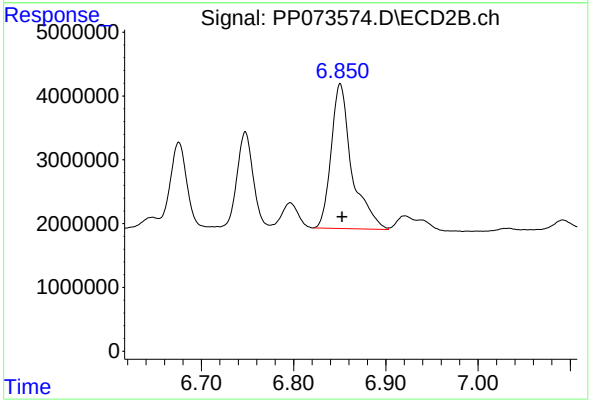
R.T.: 6.435 min
Delta R.T.: -0.001 min
Response: 25097390
Conc: 266.00 ng/ml



#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)

ICAL Form

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.

ICAL Form

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

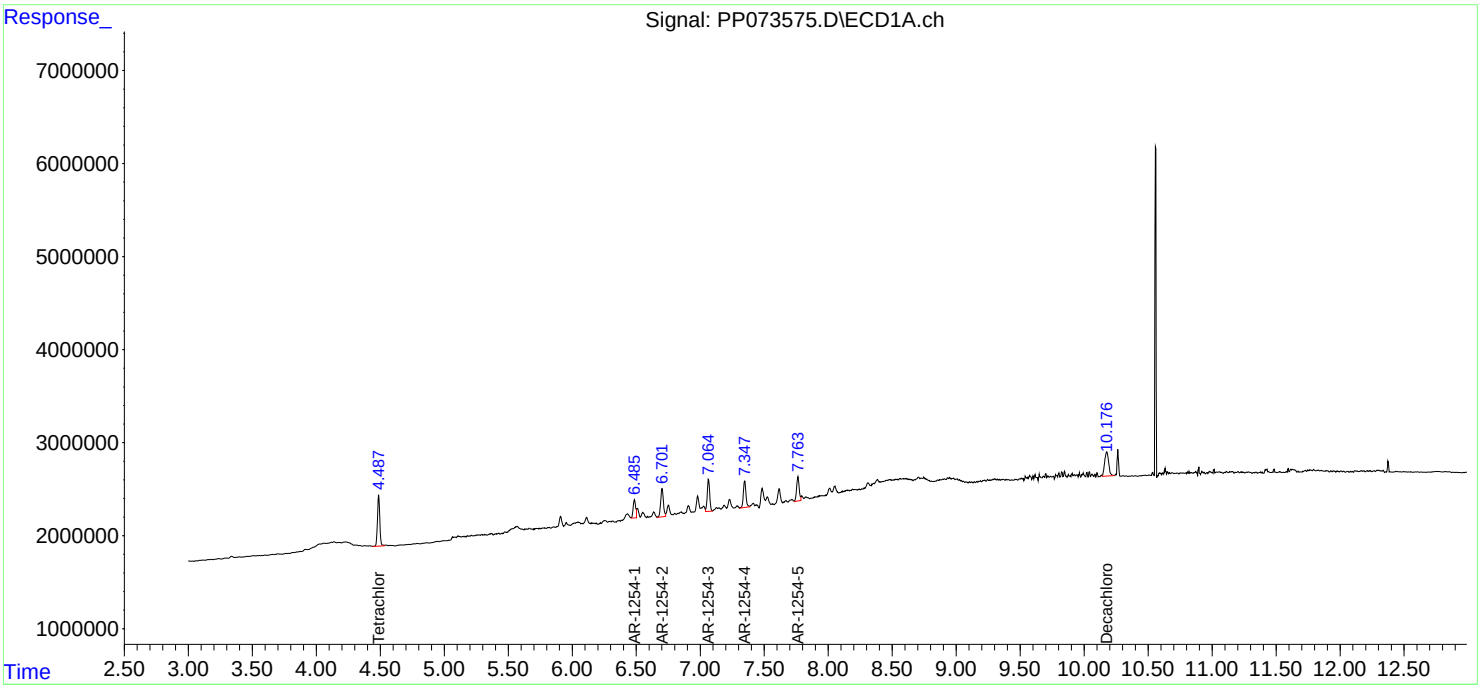
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

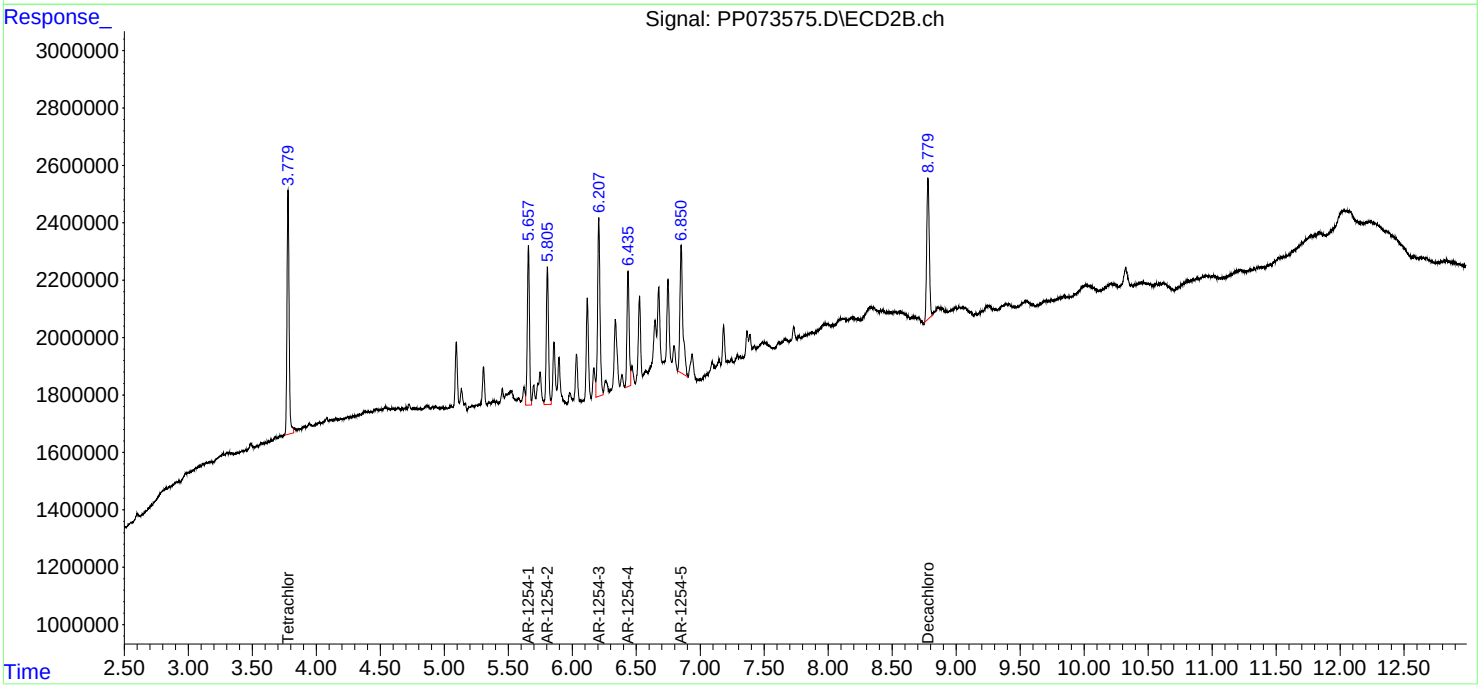
Manual Integrations APPROVED

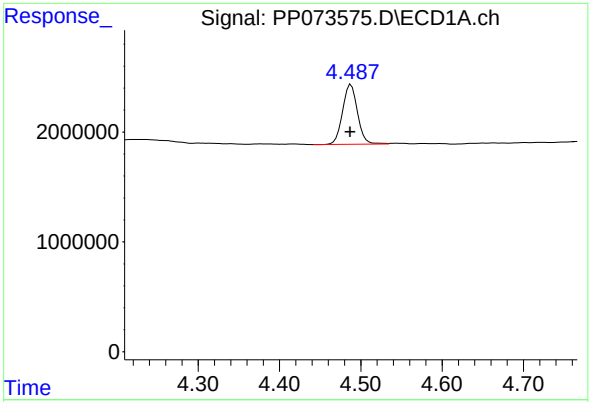
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







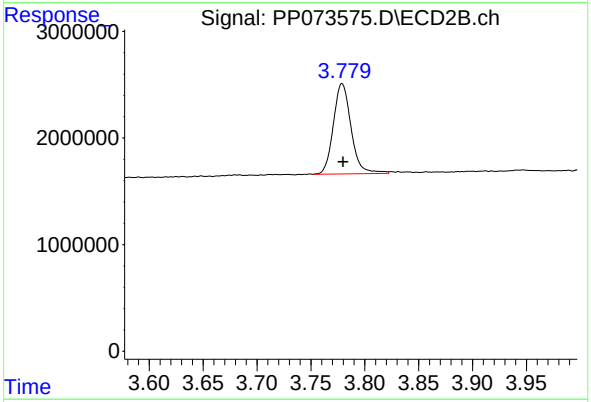
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

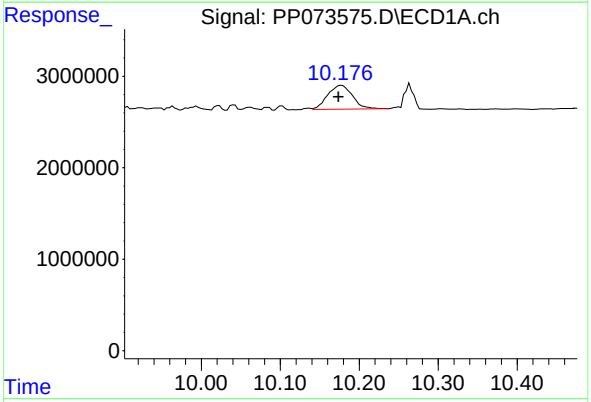
Manual Integrations APPROVED

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



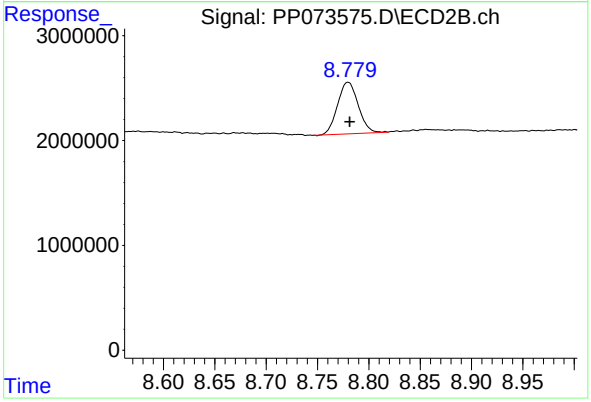
#1 Tetrachloro-m-xylene

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



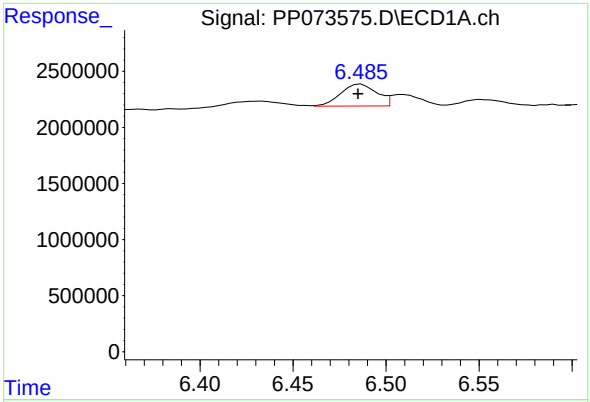
#2 Decachlorobiphenyl

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



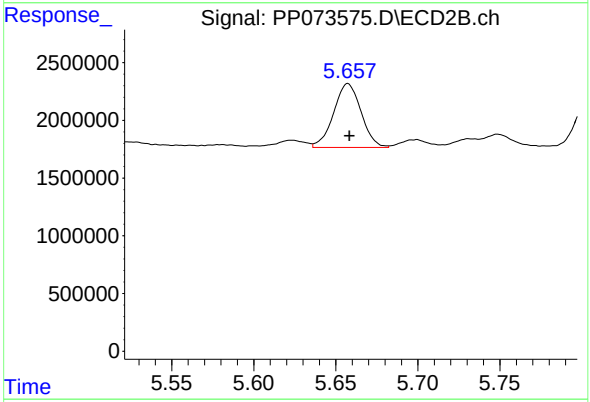
#26 AR-1254-1

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

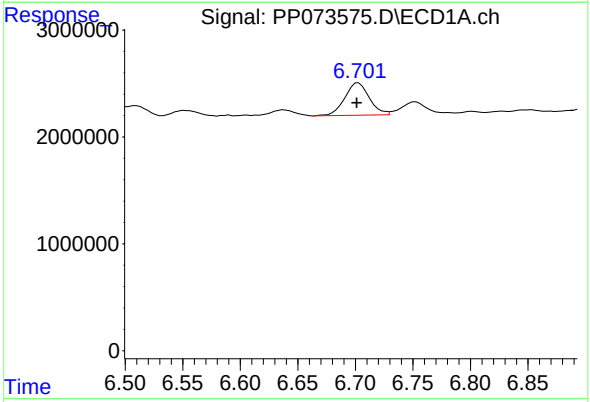
Manual Integrations APPROVED

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



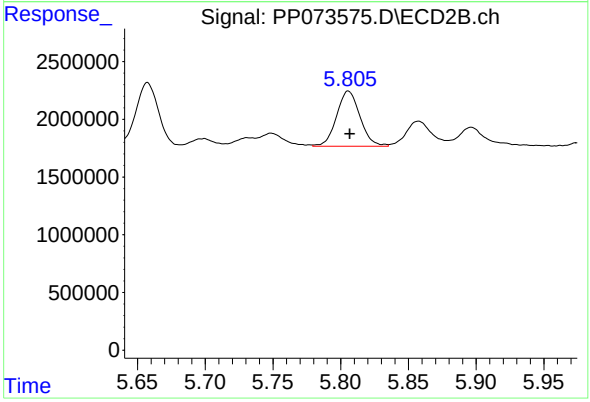
#26 AR-1254-1

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



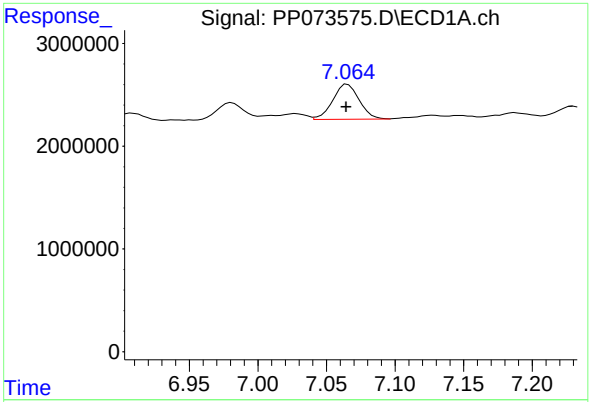
#27 AR-1254-2

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



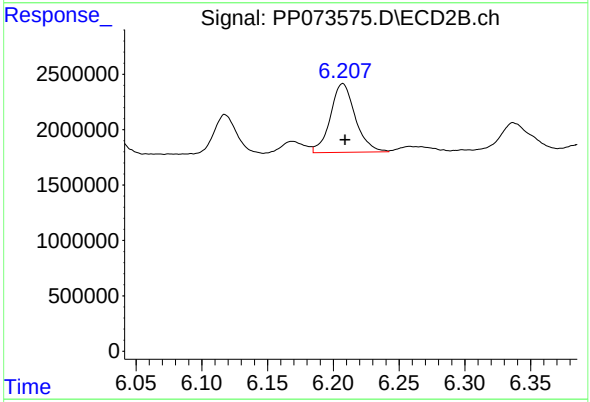
#28 AR-1254-3

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

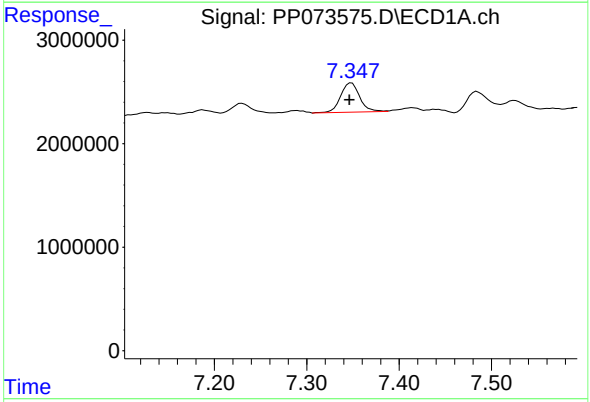
Manual Integrations APPROVED

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



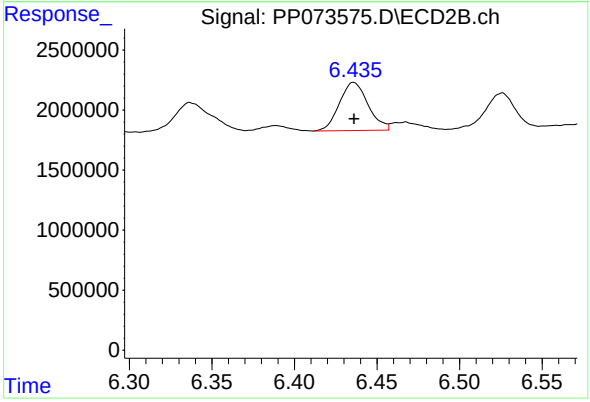
#28 AR-1254-3

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



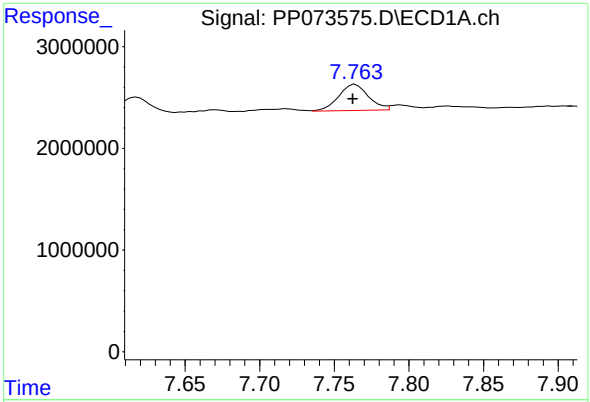
#29 AR-1254-4

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



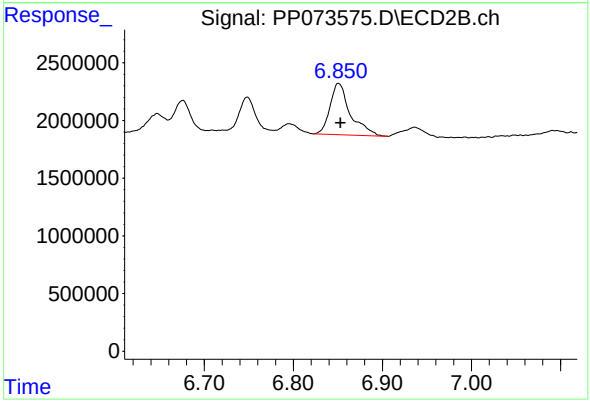
#30 AR-1254-5

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)

ICAL Form

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.

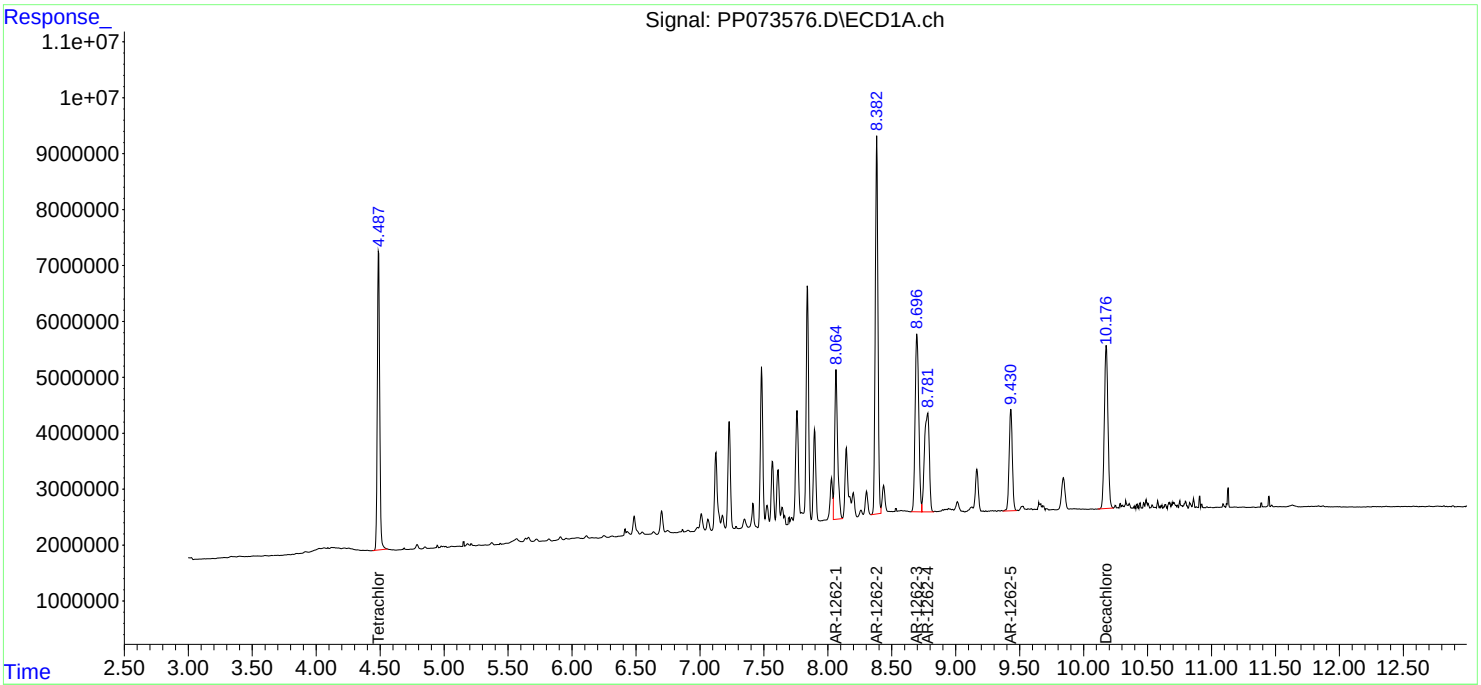
ICAL Form

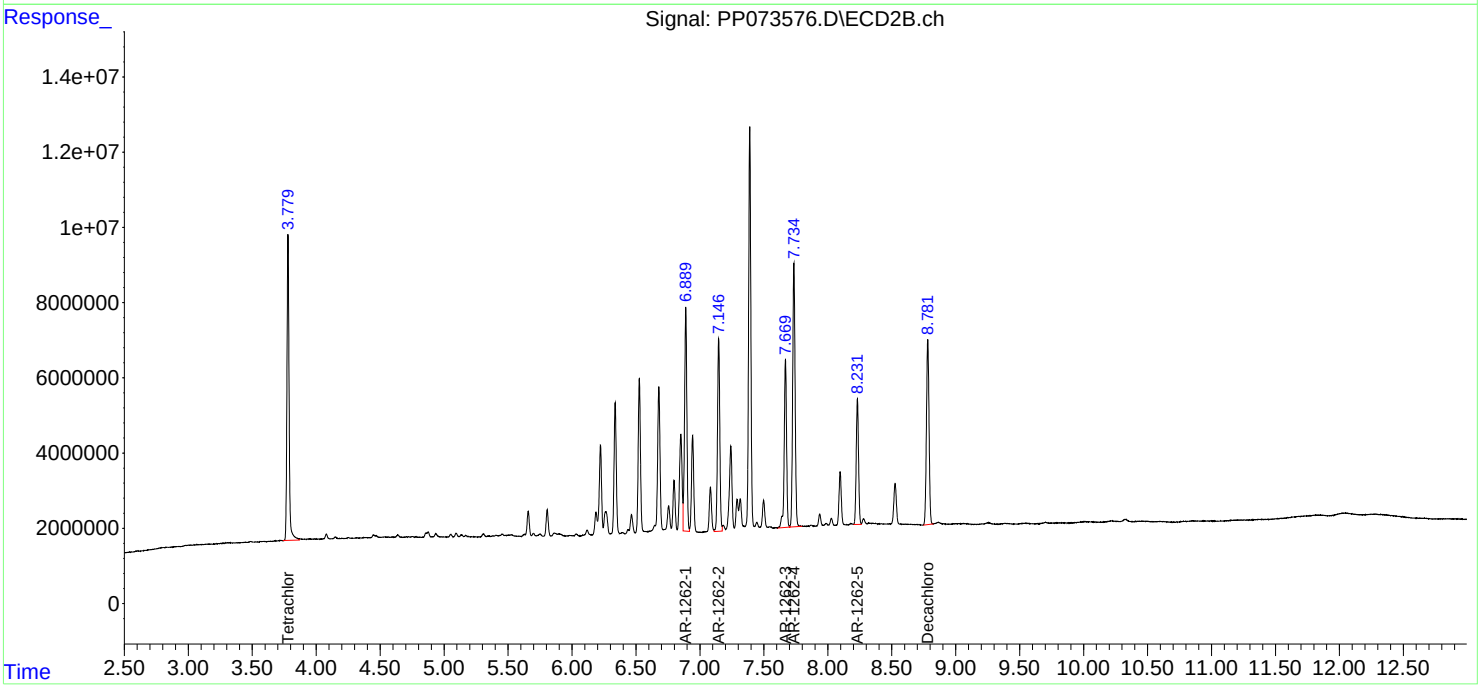
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

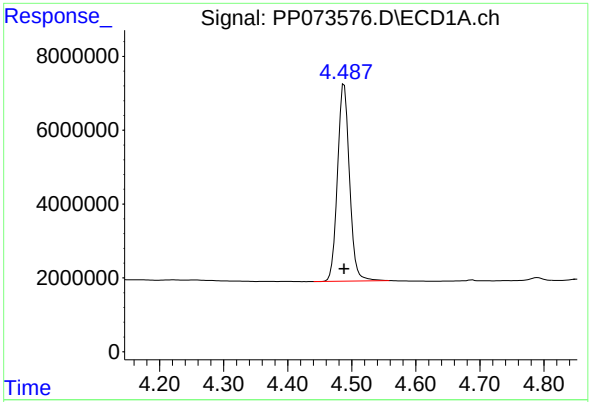
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

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



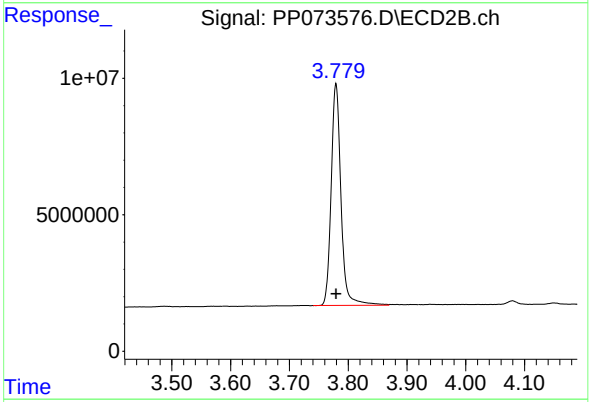




#1 Tetrachloro-m-xylene

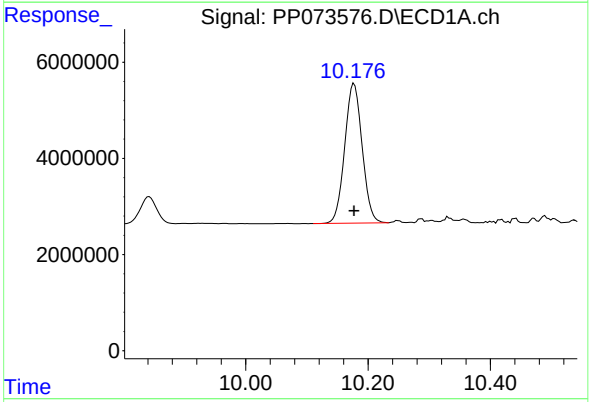
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 69434570
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



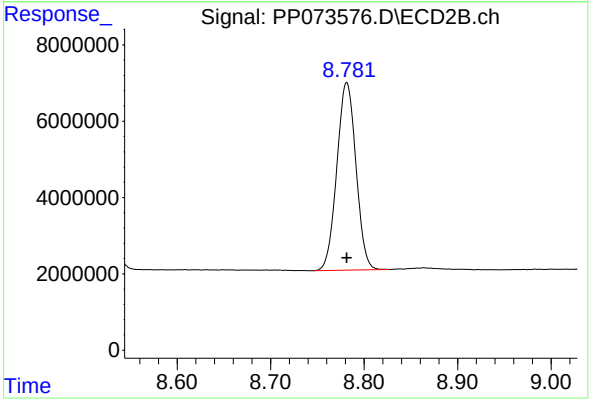
#1 Tetrachloro-m-xylene

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



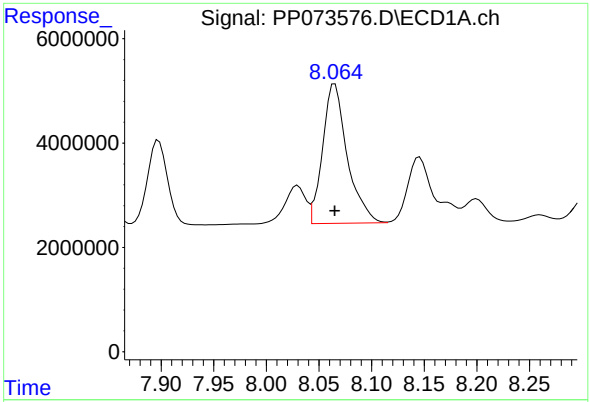
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

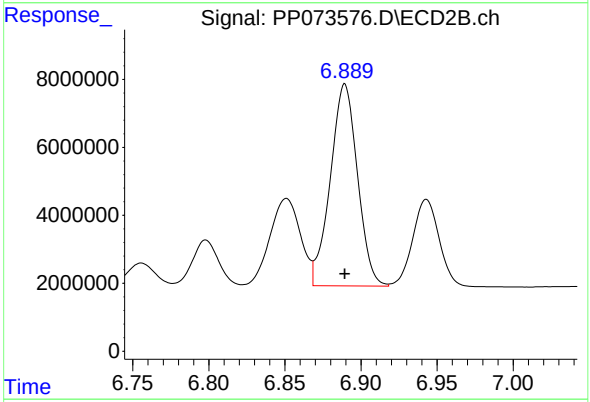
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 69838496
Conc: 50.00 ng/ml



#36 AR-1262-1

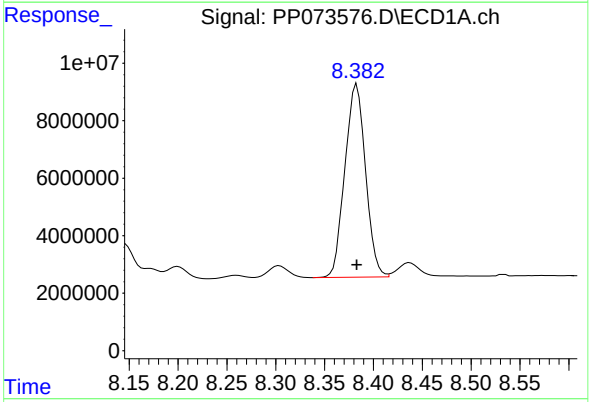
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 43513643
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



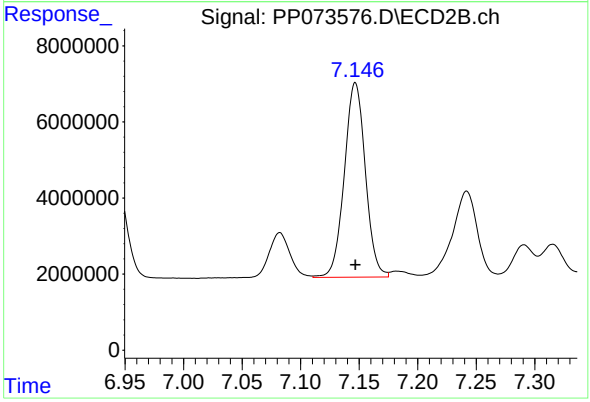
#36 AR-1262-1

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



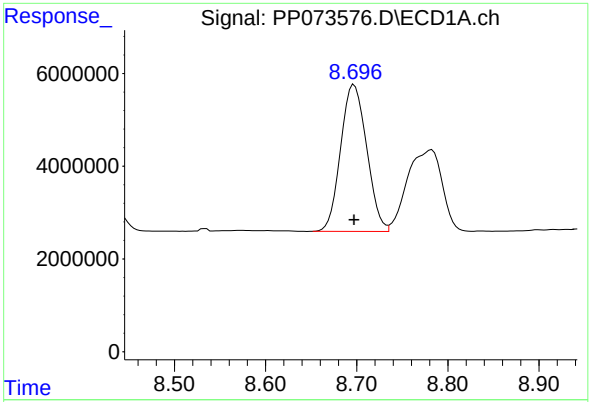
#37 AR-1262-2

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



#37 AR-1262-2

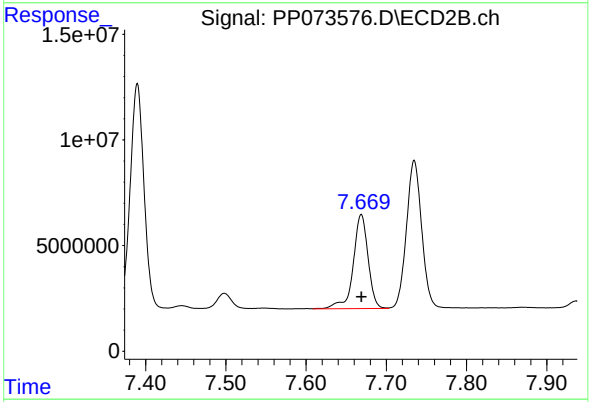
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 63914528
Conc: 500.00 ng/ml



#38 AR-1262-3

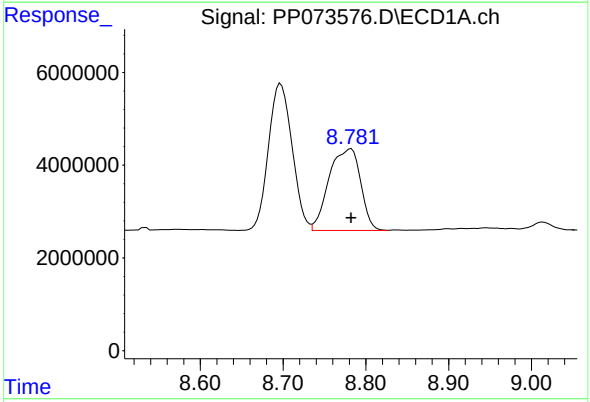
R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 62862521
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



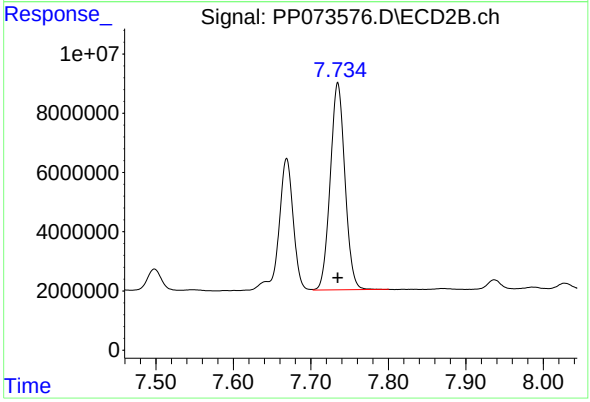
#38 AR-1262-3

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



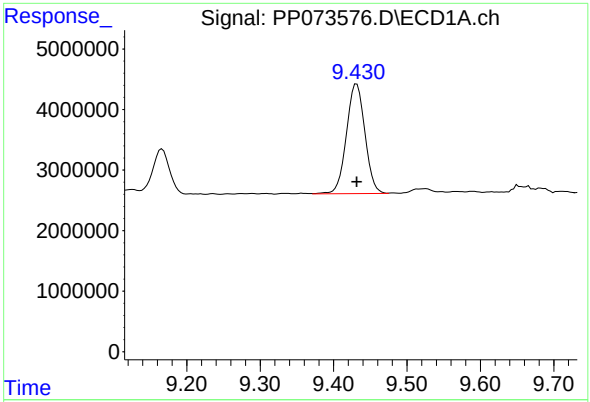
#39 AR-1262-4

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



#39 AR-1262-4

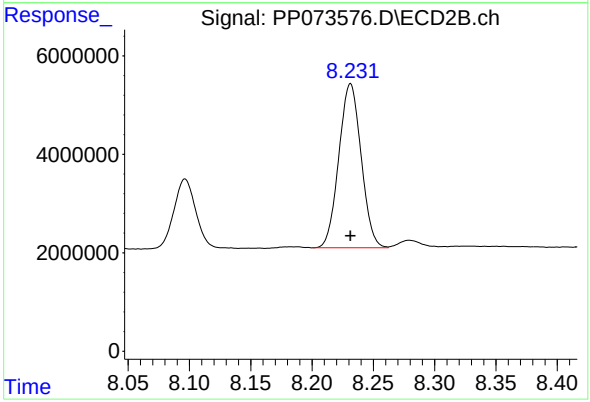
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 92024537
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

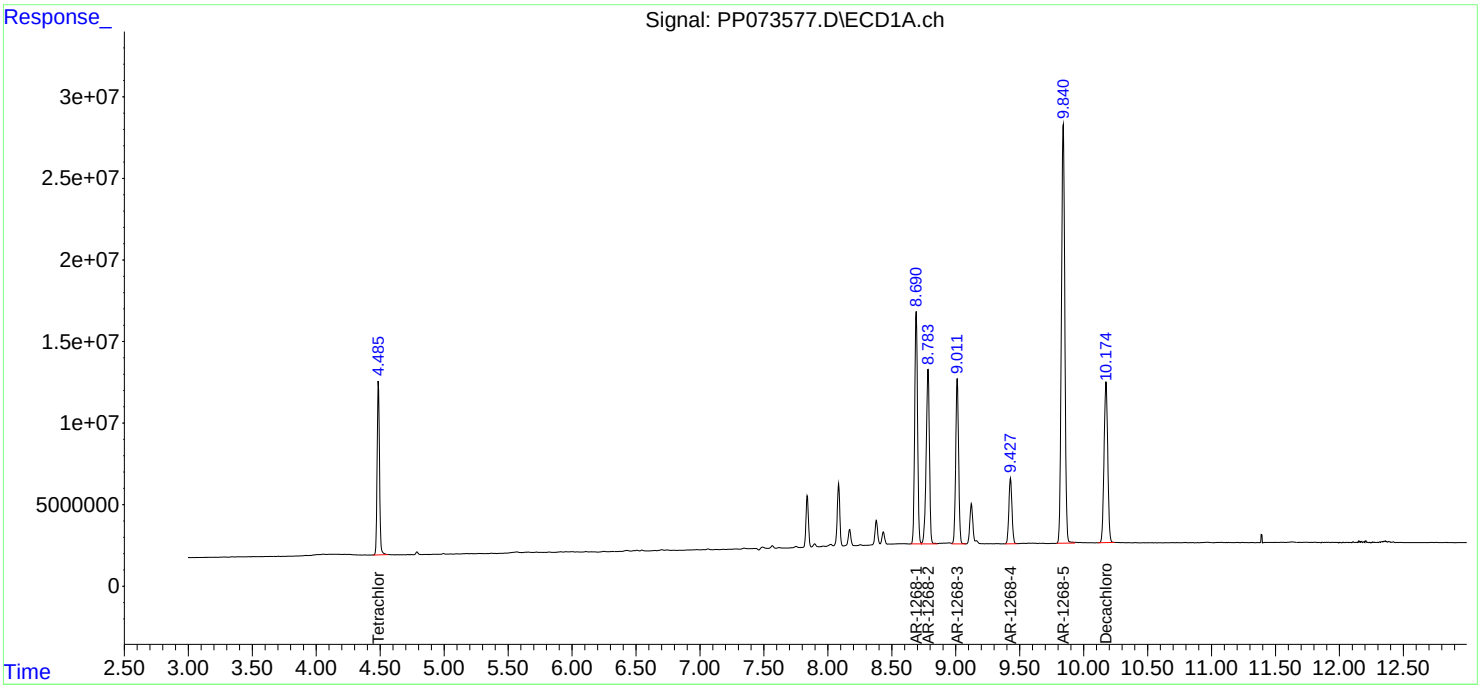
ICAL Form

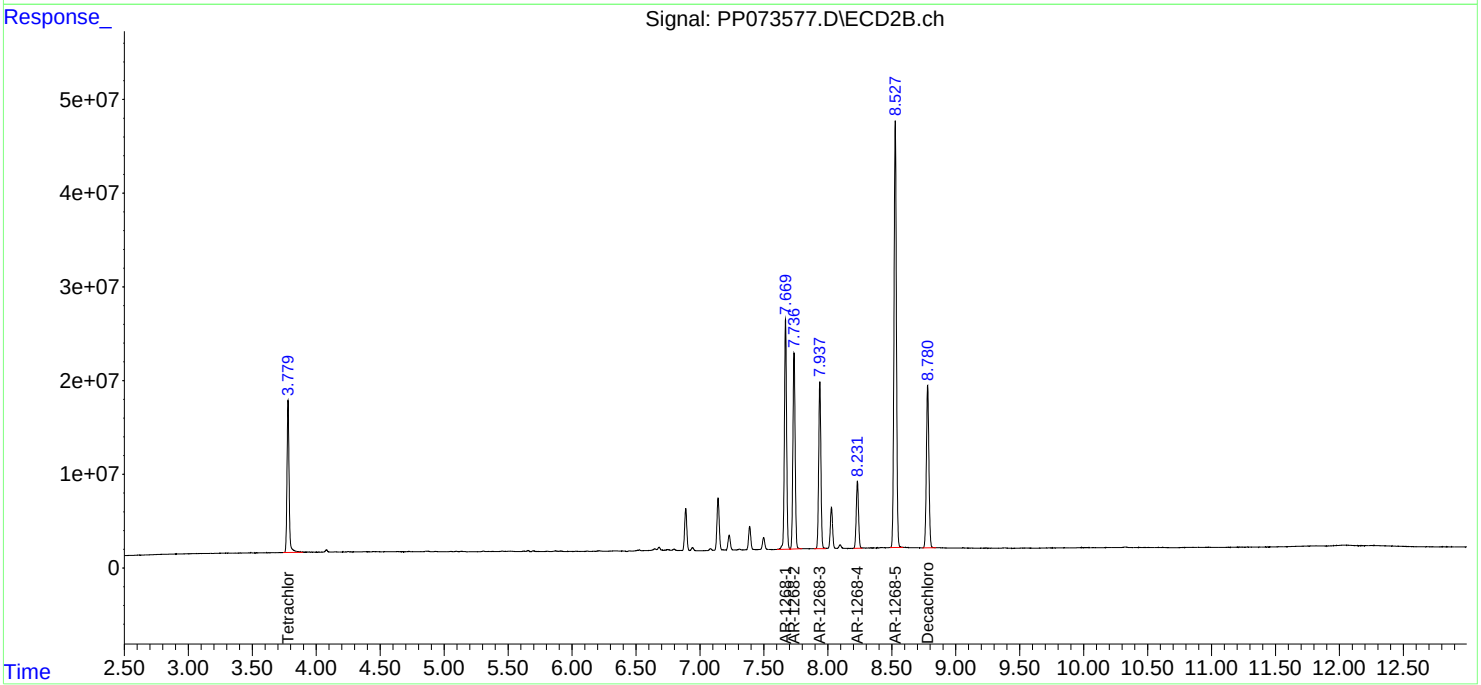
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:19
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

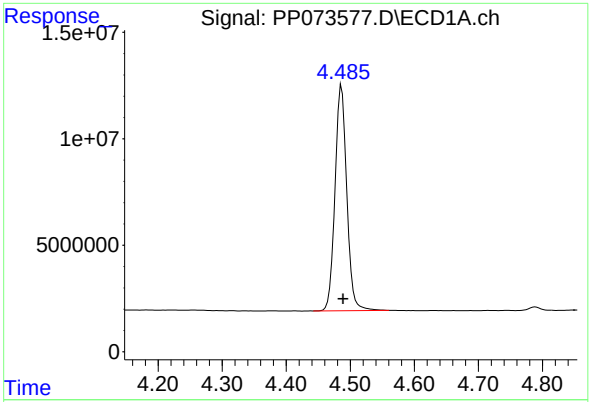
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

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



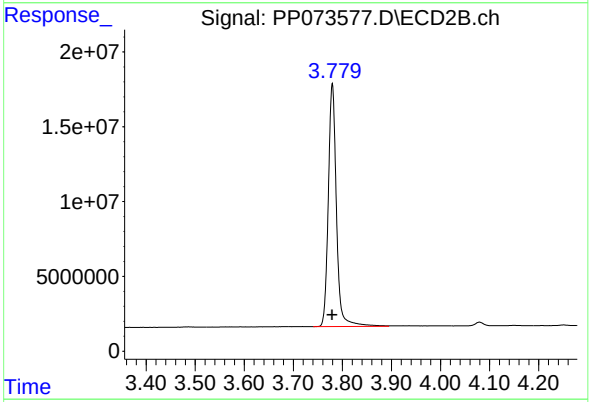




#1 Tetrachloro-m-xylene

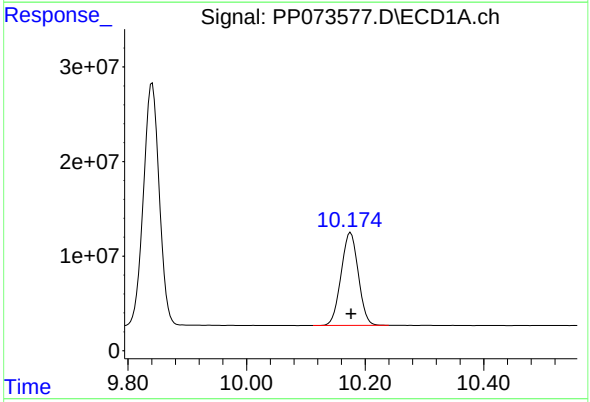
R.T.: 4.487 min
Delta R.T.: -0.002 min
Response: 135177400
Conc: 95.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



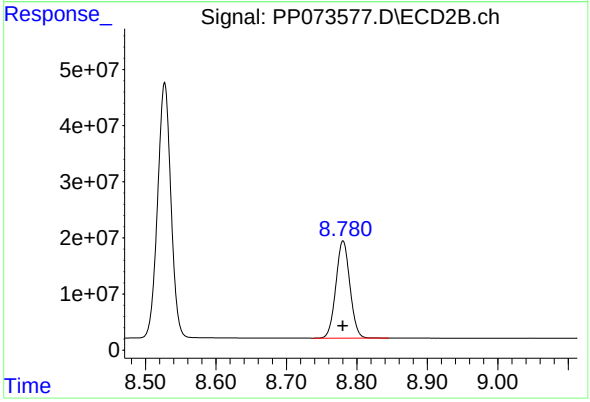
#1 Tetrachloro-m-xylene

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



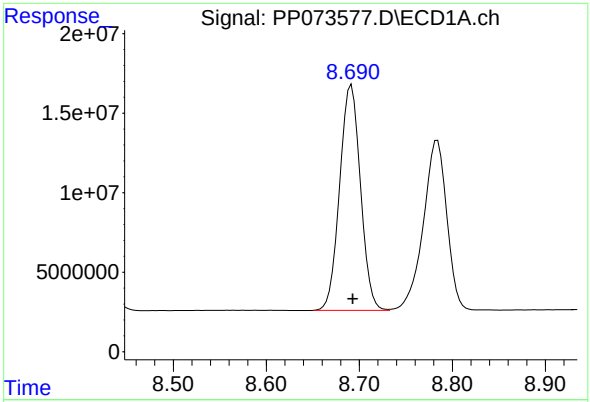
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

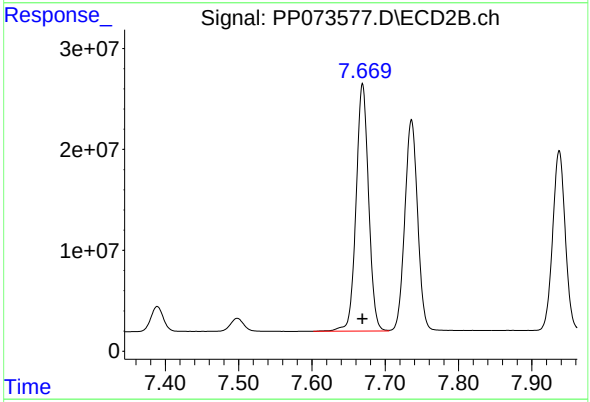
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 239622927
Conc: 94.53 ng/ml



#41 AR-1268-1

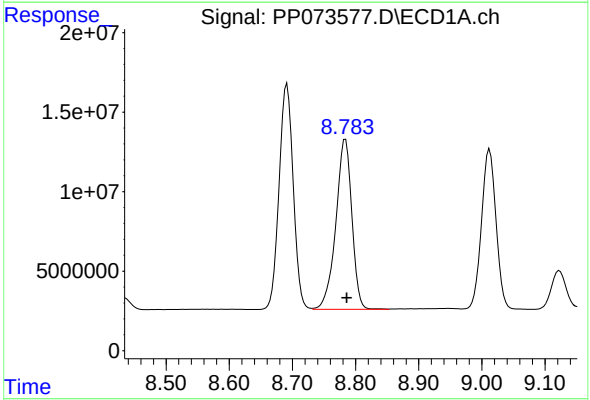
R.T.: 8.691 min
Delta R.T.: -0.001 min
Response: 220572869
Conc: 967.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



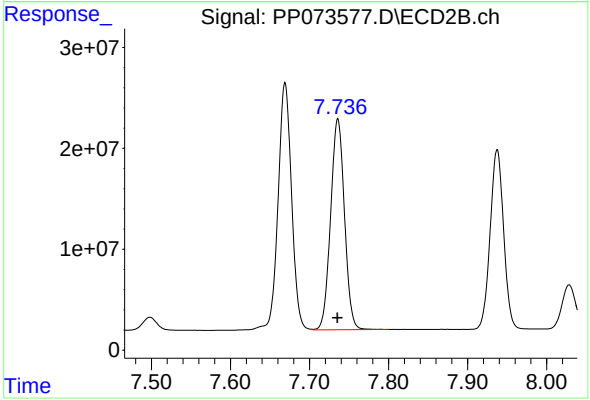
#41 AR-1268-1

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



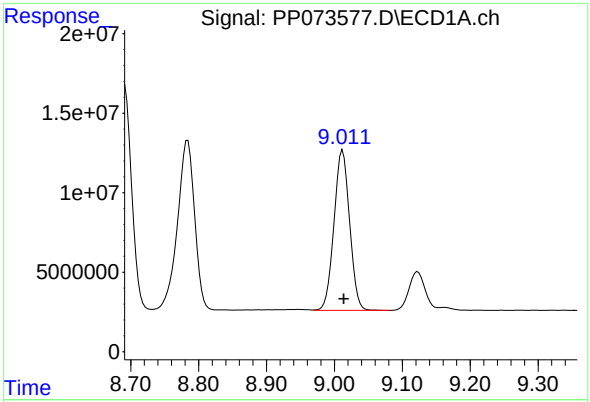
#42 AR-1268-2

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



#42 AR-1268-2

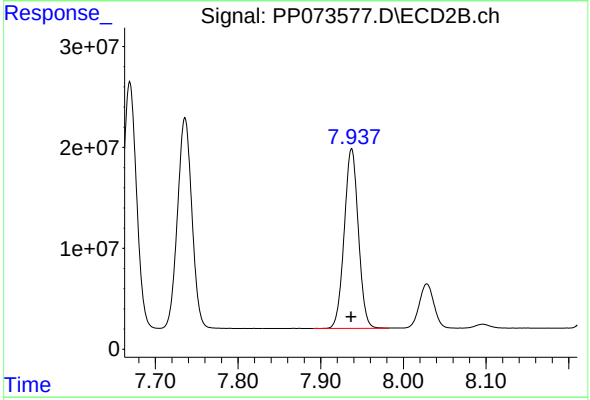
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 254148086
Conc: 949.82 ng/ml



#43 AR-1268-3

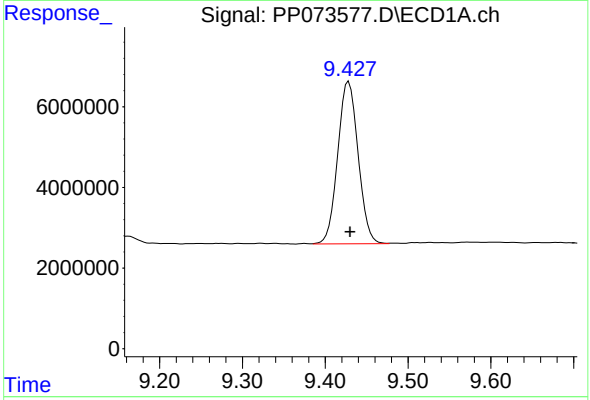
R.T.: 9.012 min
Delta R.T.: -0.002 min
Response: 161320167
Conc: 967.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



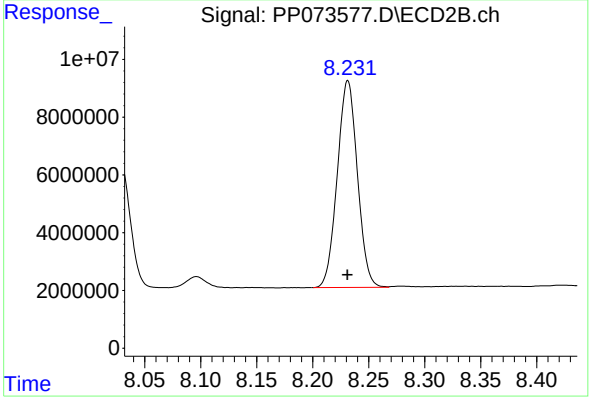
#43 AR-1268-3

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



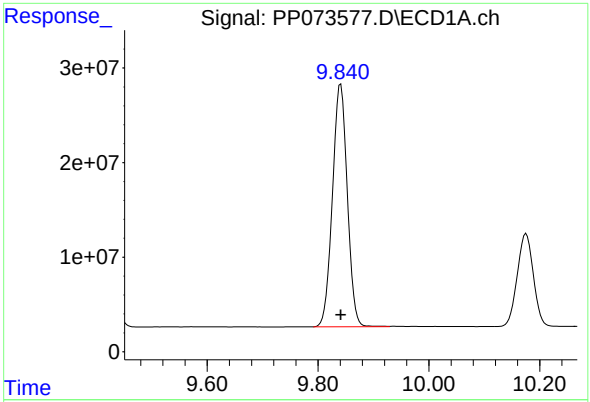
#44 AR-1268-4

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



#44 AR-1268-4

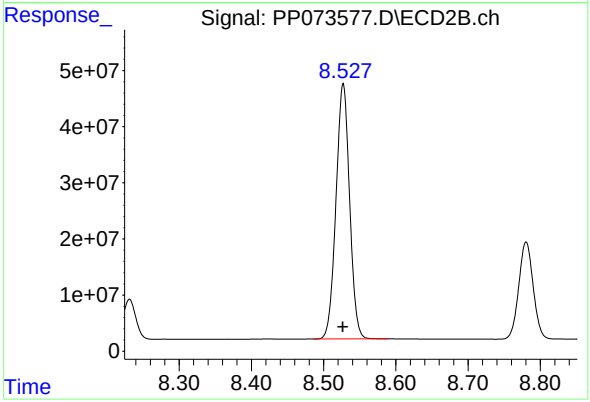
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 89640321
Conc: 941.42 ng/ml



#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)

ICAL Form

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.

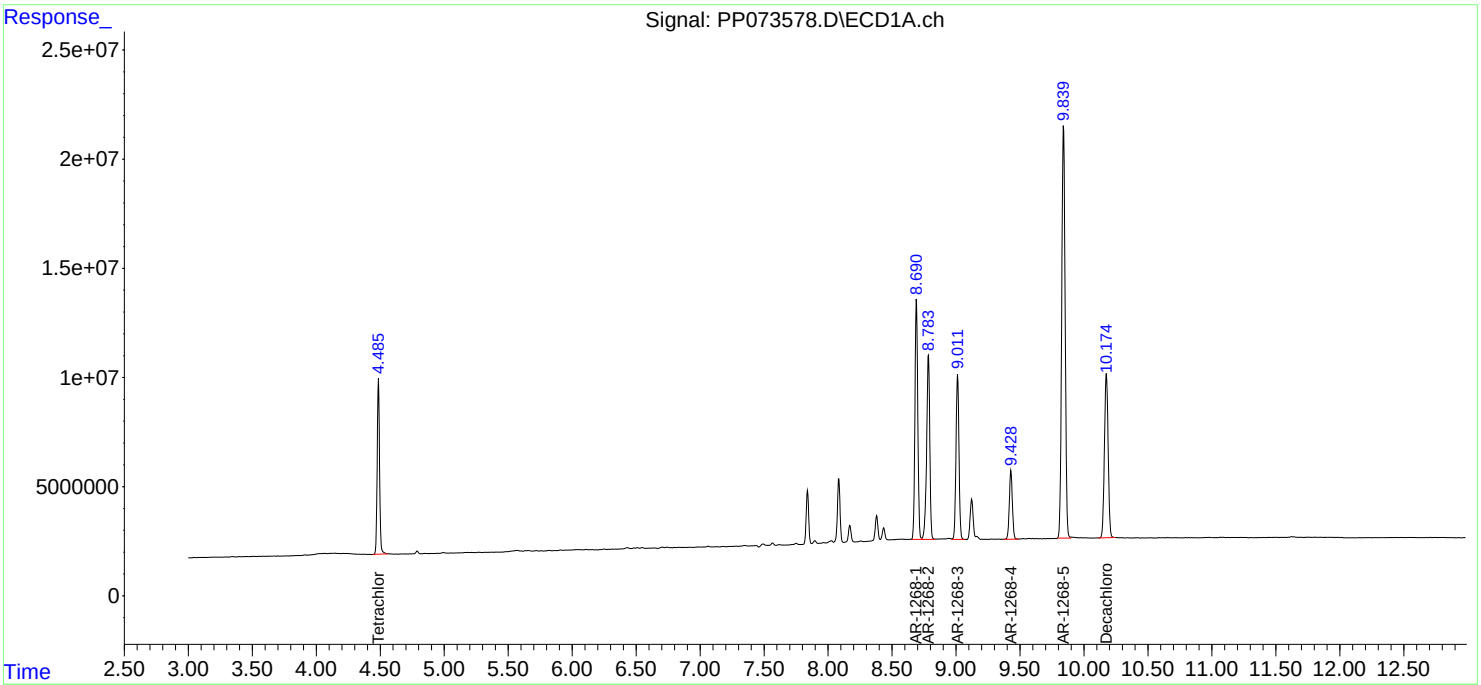
ICAL Form

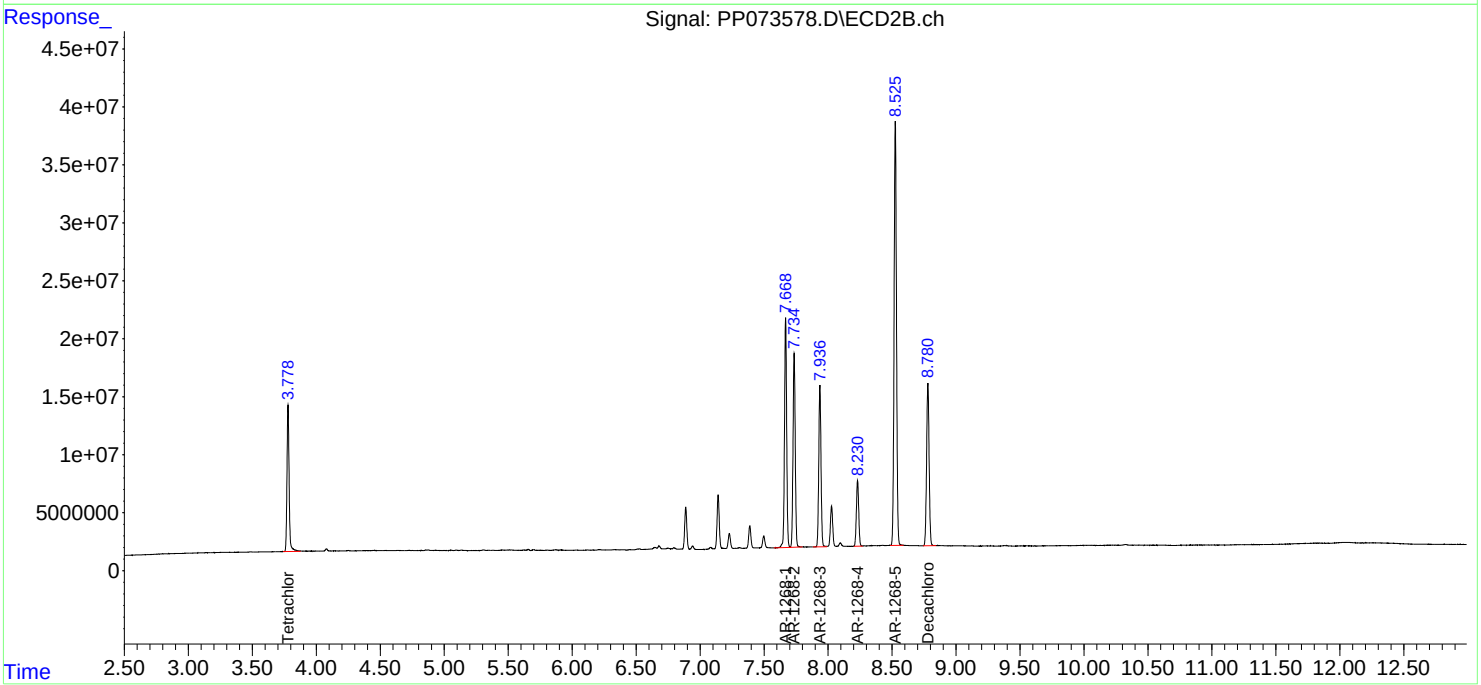
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:35
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

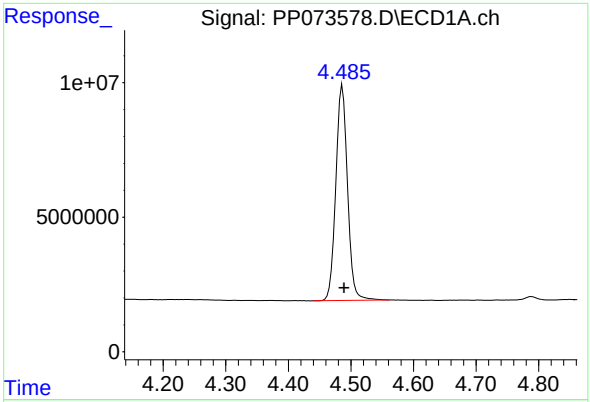
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

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



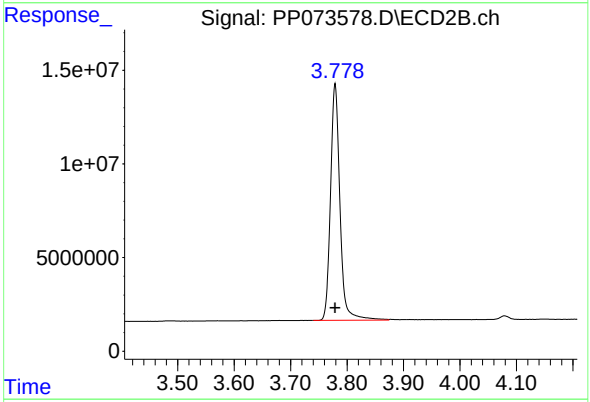




#1 Tetrachloro-m-xylene

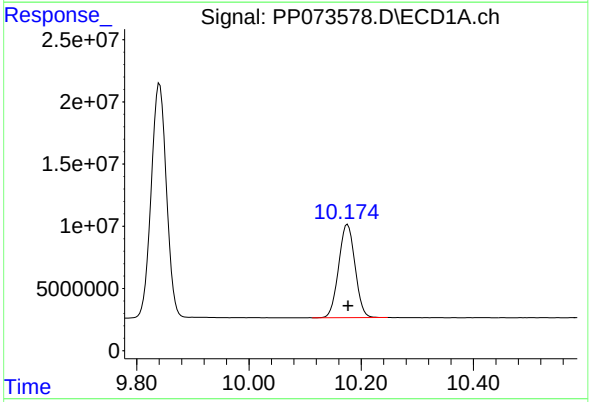
R.T.: 4.486 min
Delta R.T.: -0.003 min
Response: 104273280
Conc: 73.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



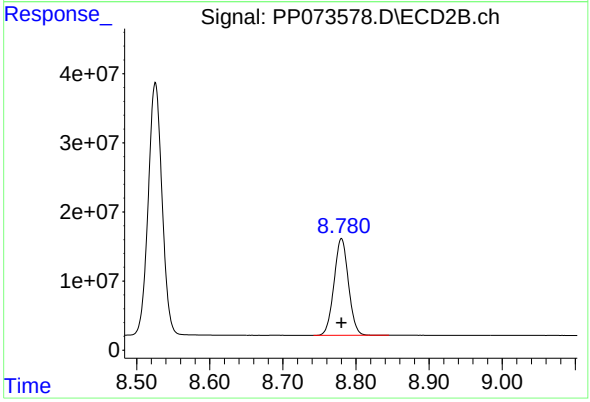
#1 Tetrachloro-m-xylene

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



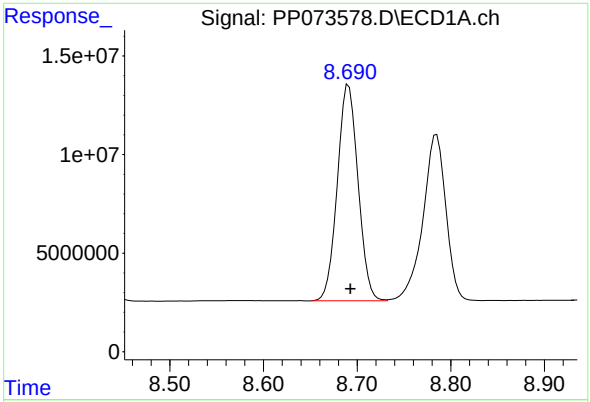
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

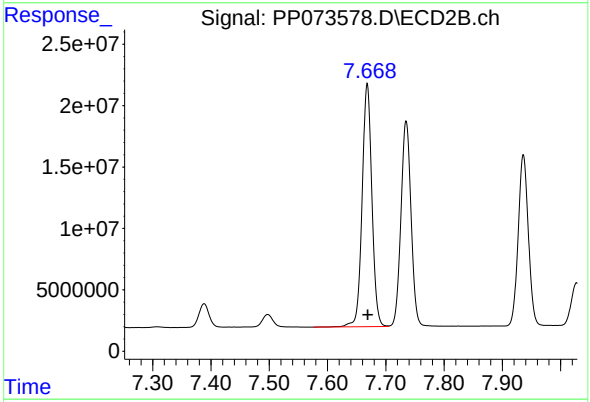
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 191764517
Conc: 75.65 ng/ml



#41 AR-1268-1

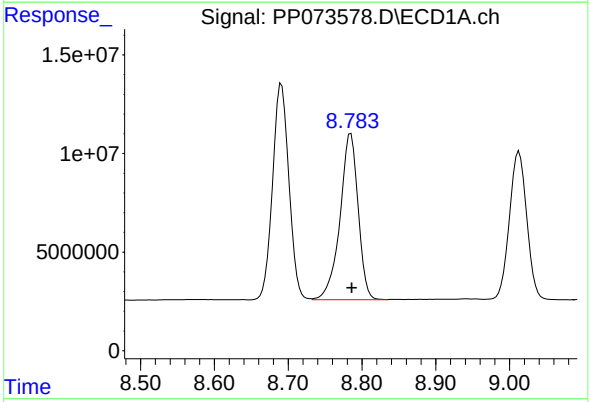
R.T.: 8.691 min
Delta R.T.: -0.002 min
Response: 168849400
Conc: 740.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



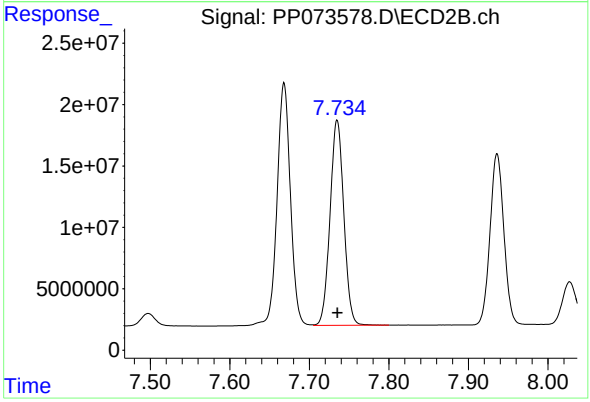
#41 AR-1268-1

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



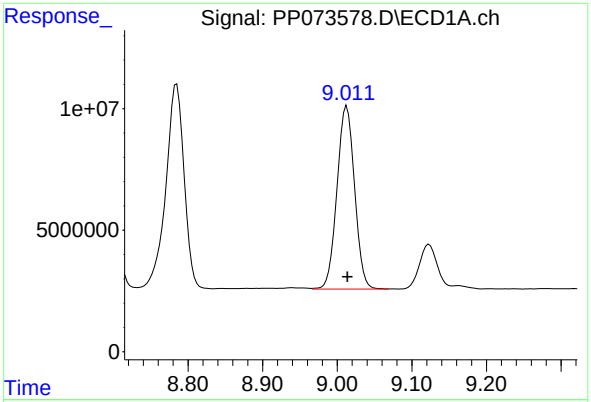
#42 AR-1268-2

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



#42 AR-1268-2

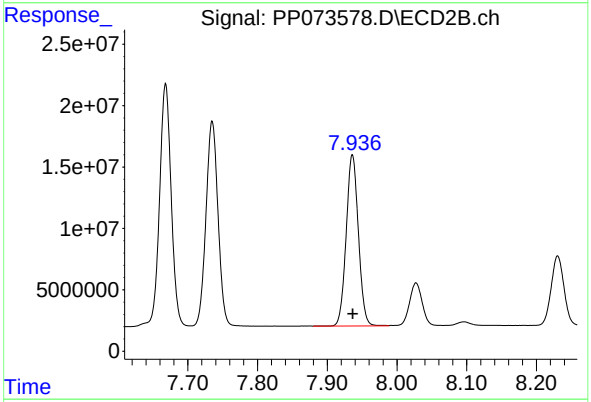
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 200795854
Conc: 750.43 ng/ml



#43 AR-1268-3

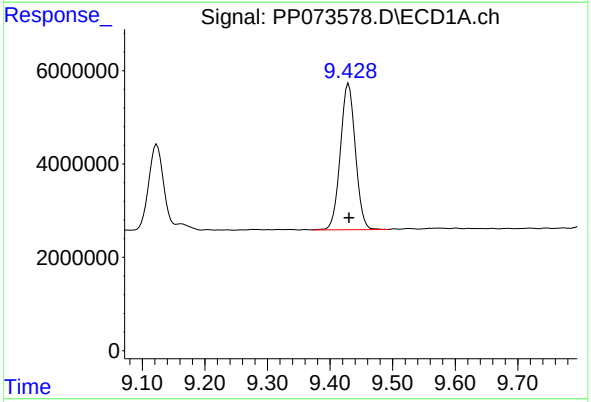
R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 123284607
Conc: 739.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



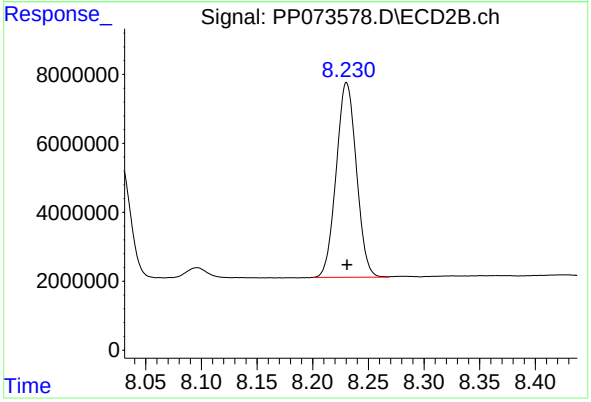
#43 AR-1268-3

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



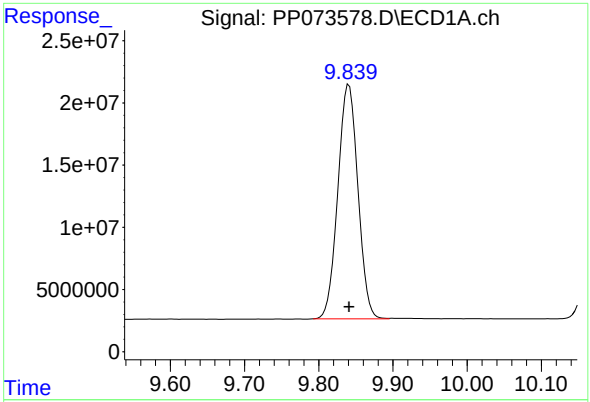
#44 AR-1268-4

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



#44 AR-1268-4

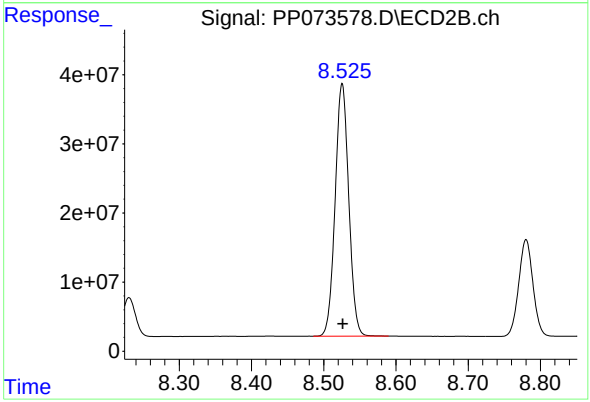
R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 71323535
Conc: 749.05 ng/ml



#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)

ICAL Form

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.

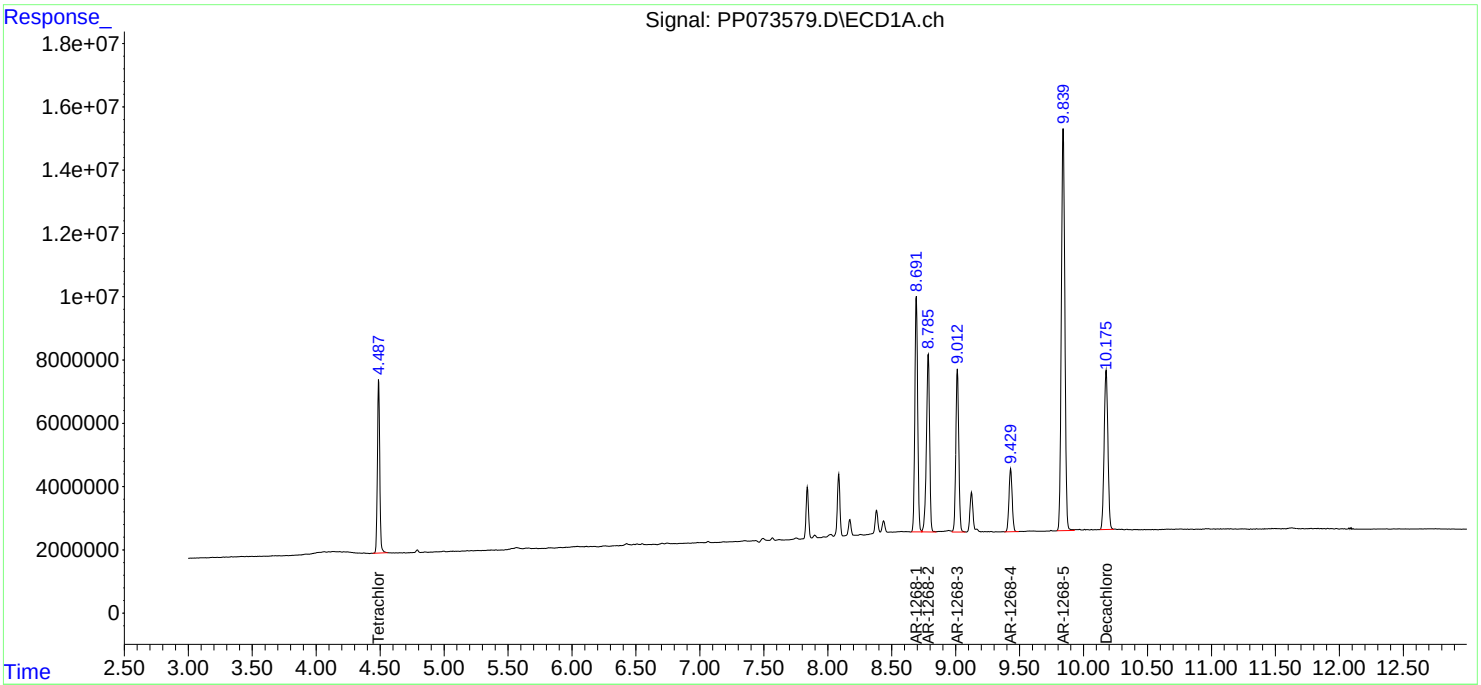
ICAL Form

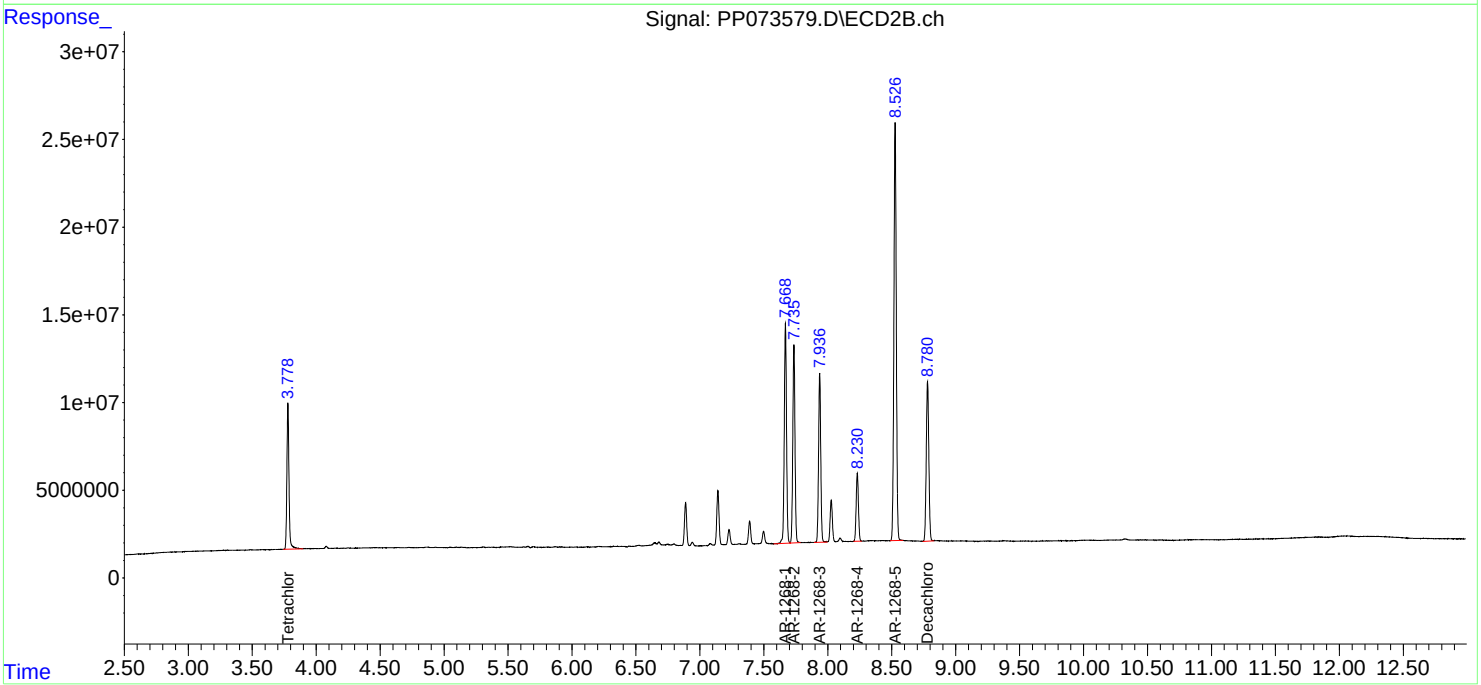
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:52
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

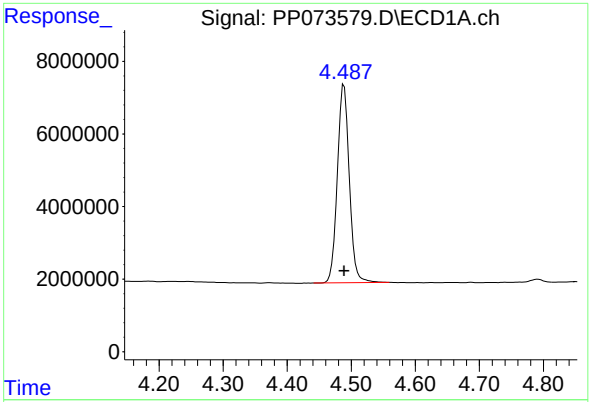
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

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



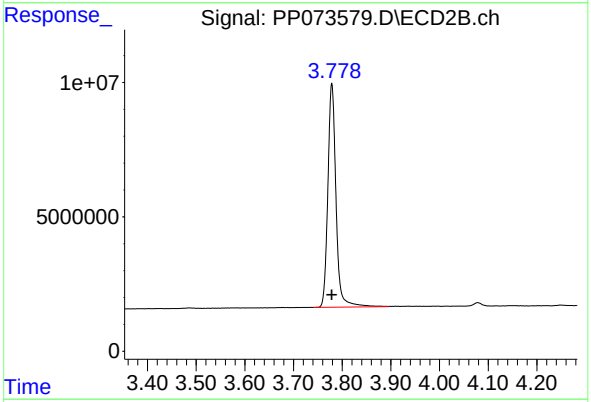




#1 Tetrachloro-m-xylene

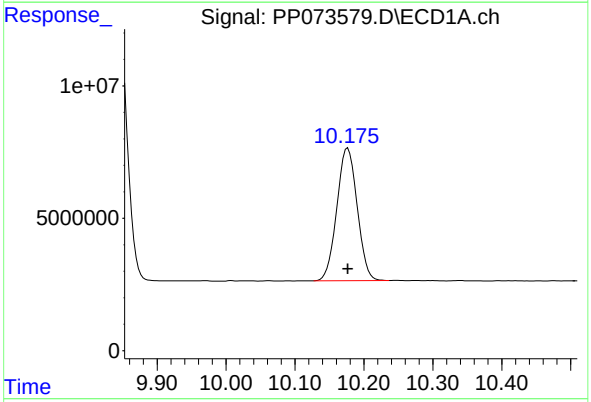
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 70790889
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



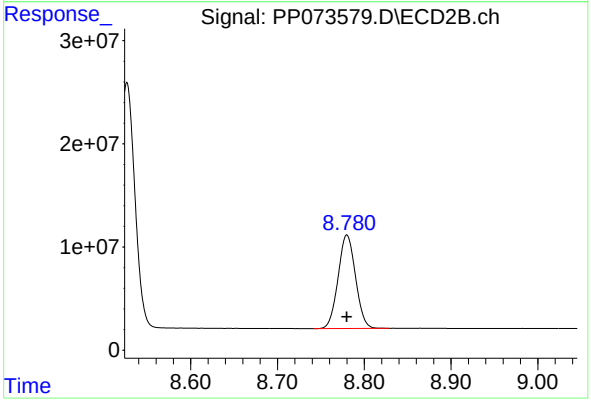
#1 Tetrachloro-m-xylene

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



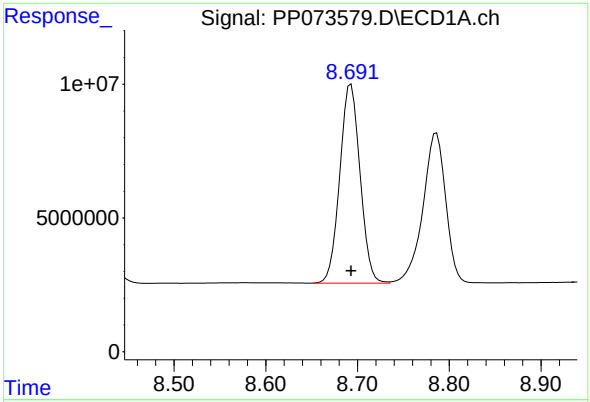
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

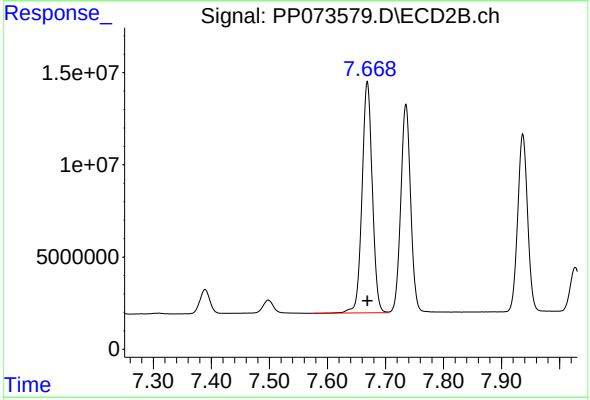
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 126750897
Conc: 50.00 ng/ml



#41 AR-1268-1

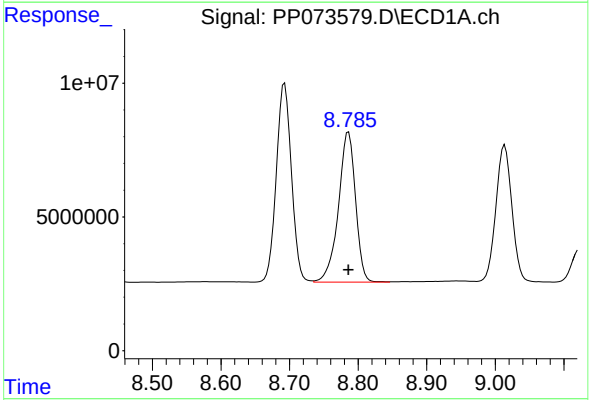
R.T.: 8.693 min
Delta R.T.: 0.000 min
Response: 114041971
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



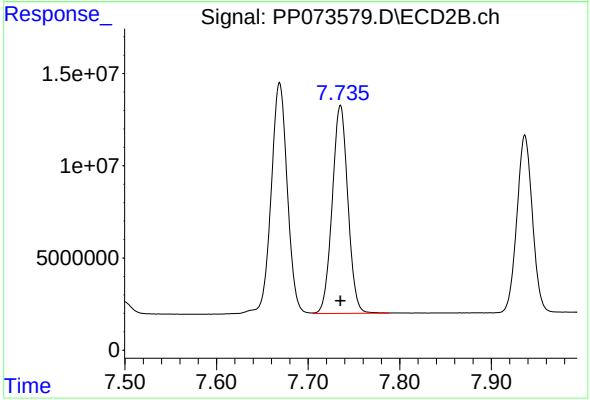
#41 AR-1268-1

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



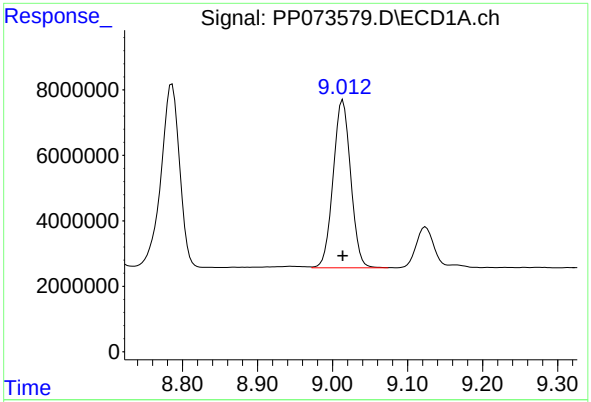
#42 AR-1268-2

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



#42 AR-1268-2

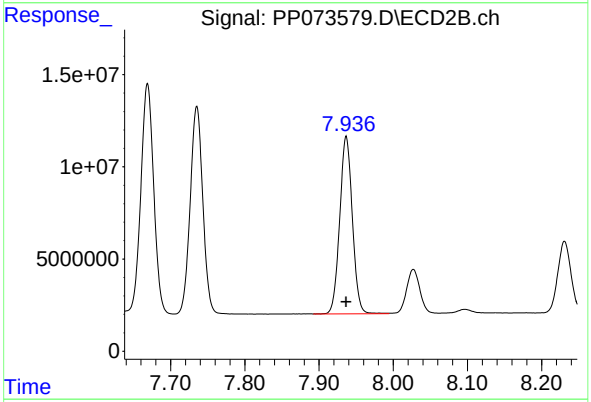
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 133787705
Conc: 500.00 ng/ml



#43 AR-1268-3

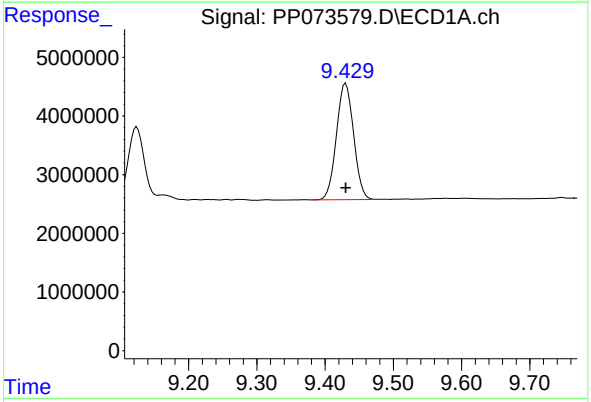
R.T.: 9.014 min
Delta R.T.: 0.000 min
Response: 83354053
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



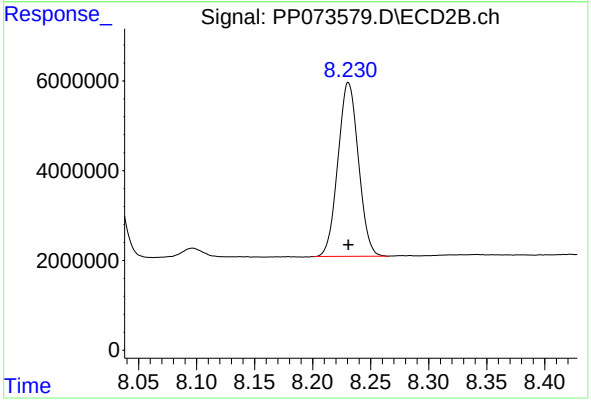
#43 AR-1268-3

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



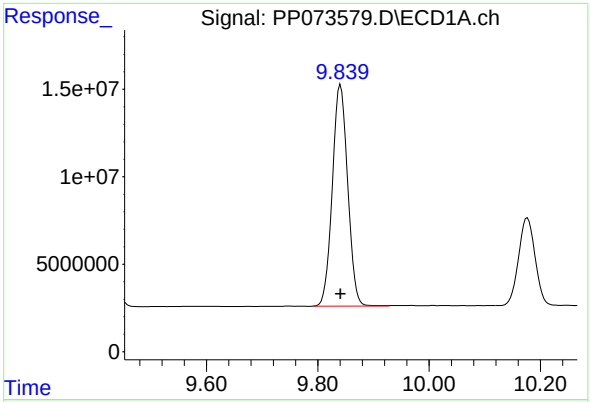
#44 AR-1268-4

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



#44 AR-1268-4

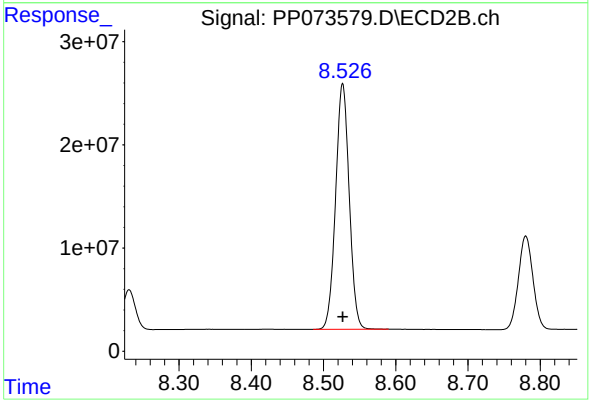
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 47609088
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

ICAL Form

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

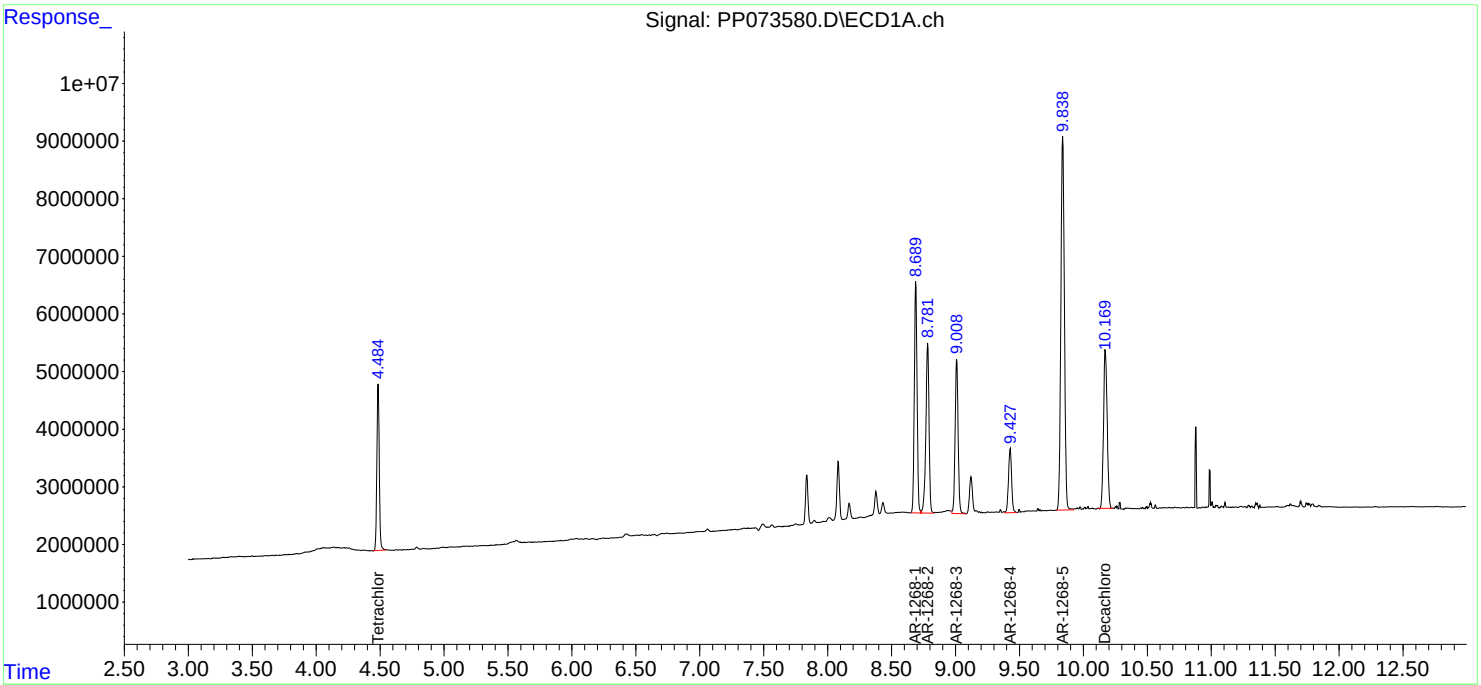
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

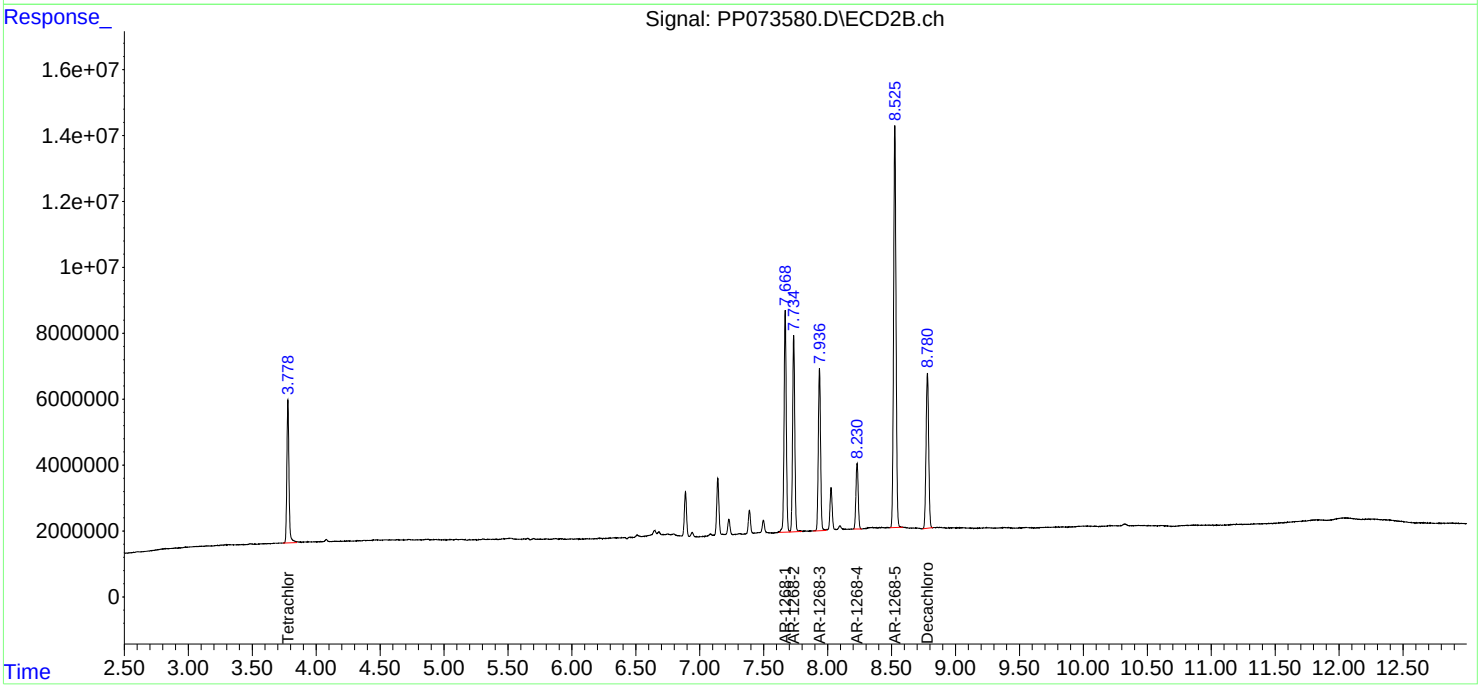
Manual Integrations APPROVED

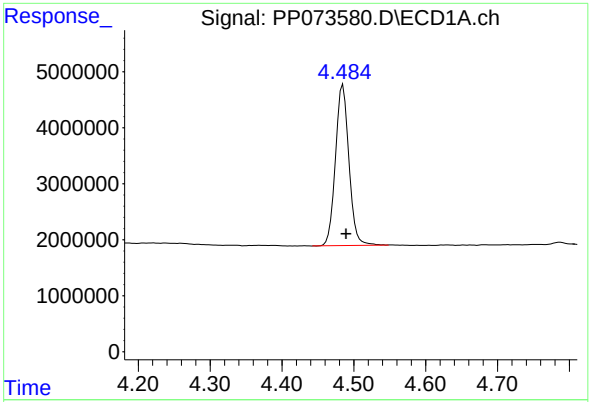
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







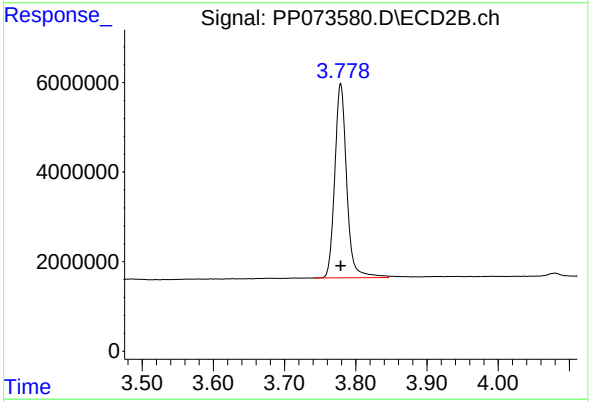
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

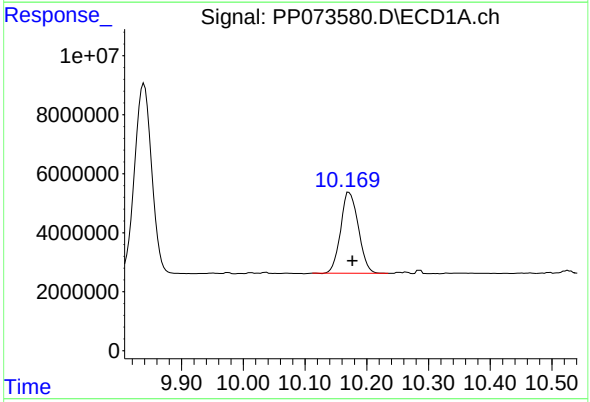
Manual Integrations APPROVED

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



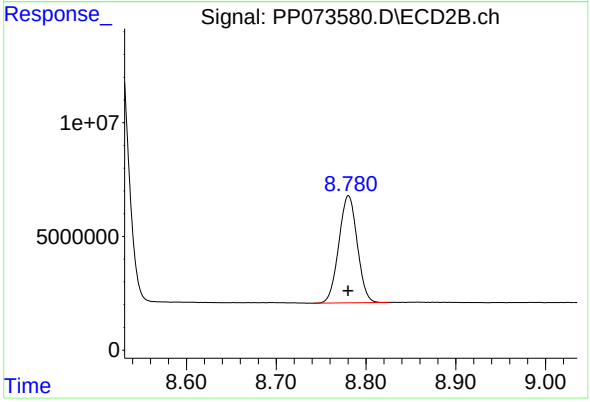
#1 Tetrachloro-m-xylene

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



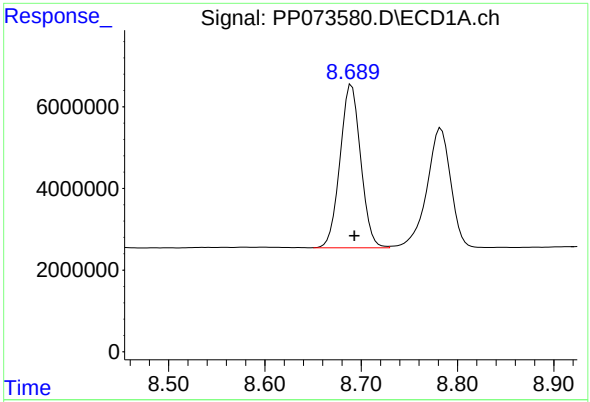
#2 Decachlorobiphenyl

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



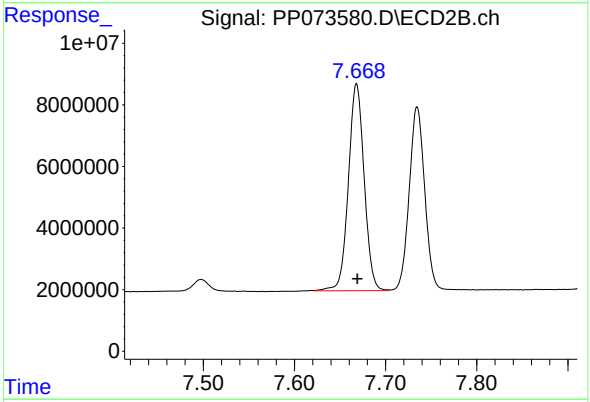
#41 AR-1268-1

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

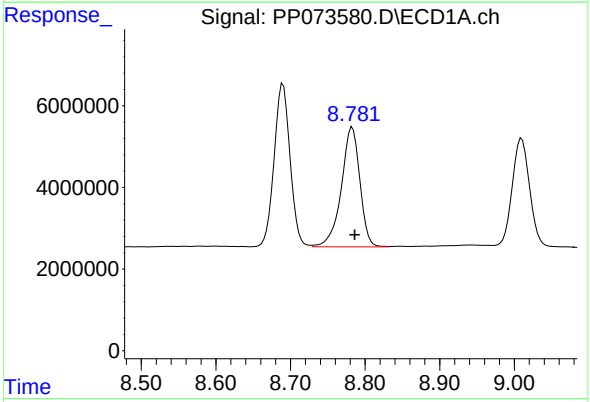
Manual Integrations APPROVED

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



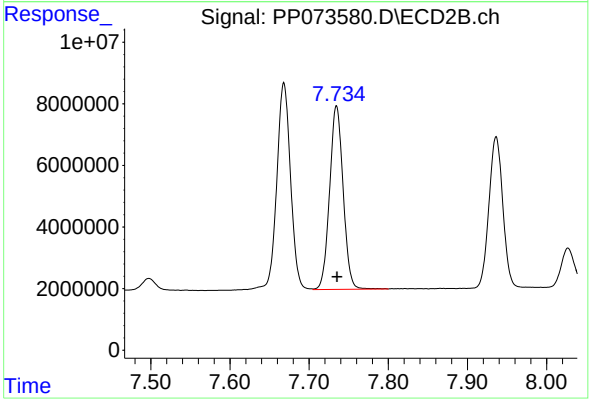
#41 AR-1268-1

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



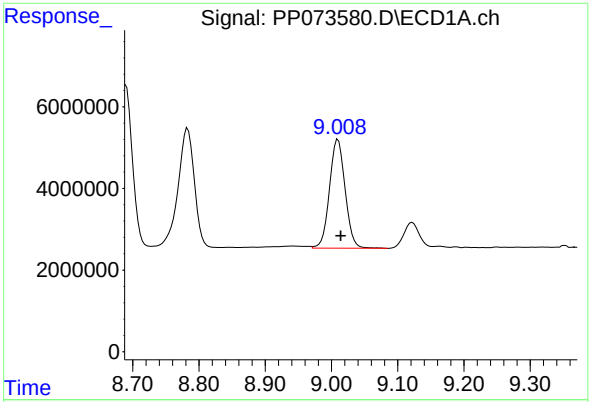
#42 AR-1268-2

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



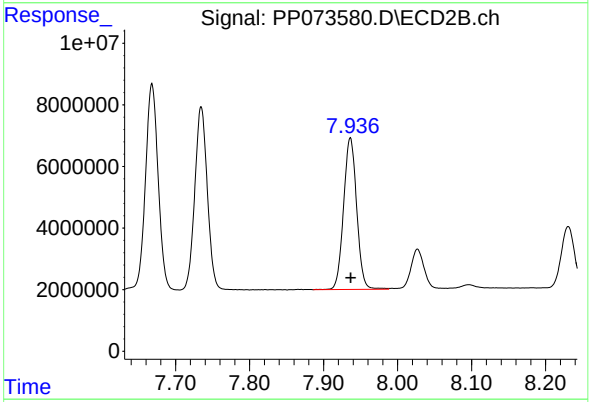
#43 AR-1268-3

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

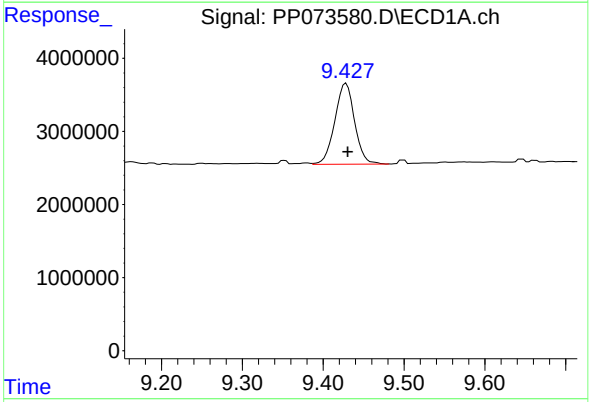
Manual Integrations APPROVED

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



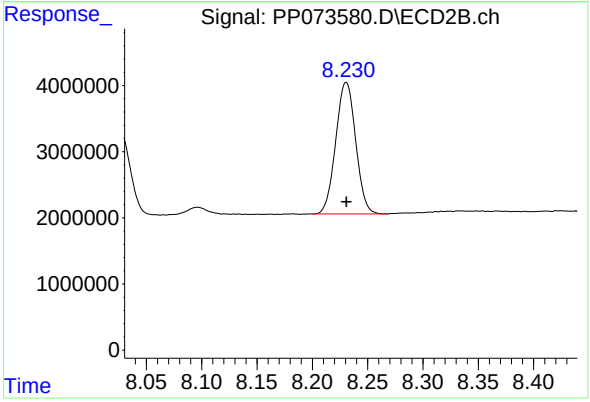
#43 AR-1268-3

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



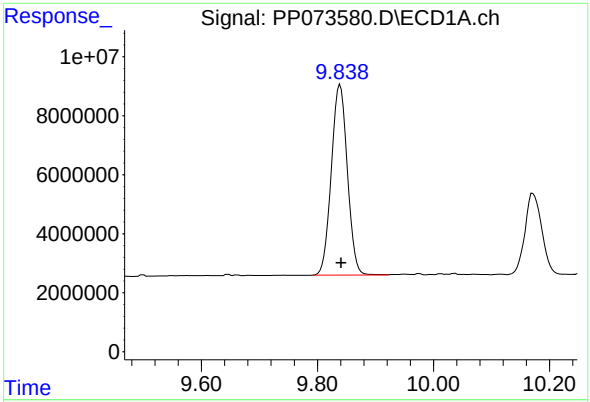
#44 AR-1268-4

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



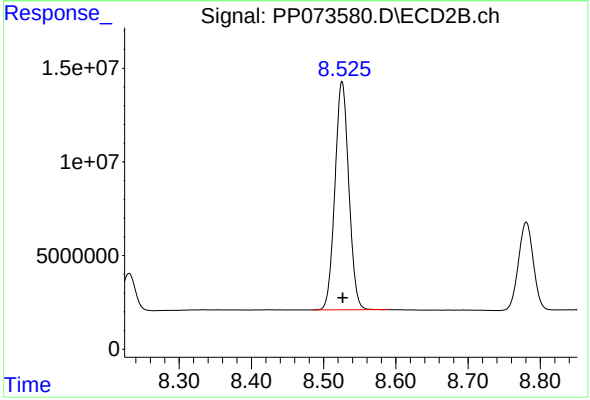
#45 AR-1268-5

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

Quantitation Report (QT Reviewed)

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.

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

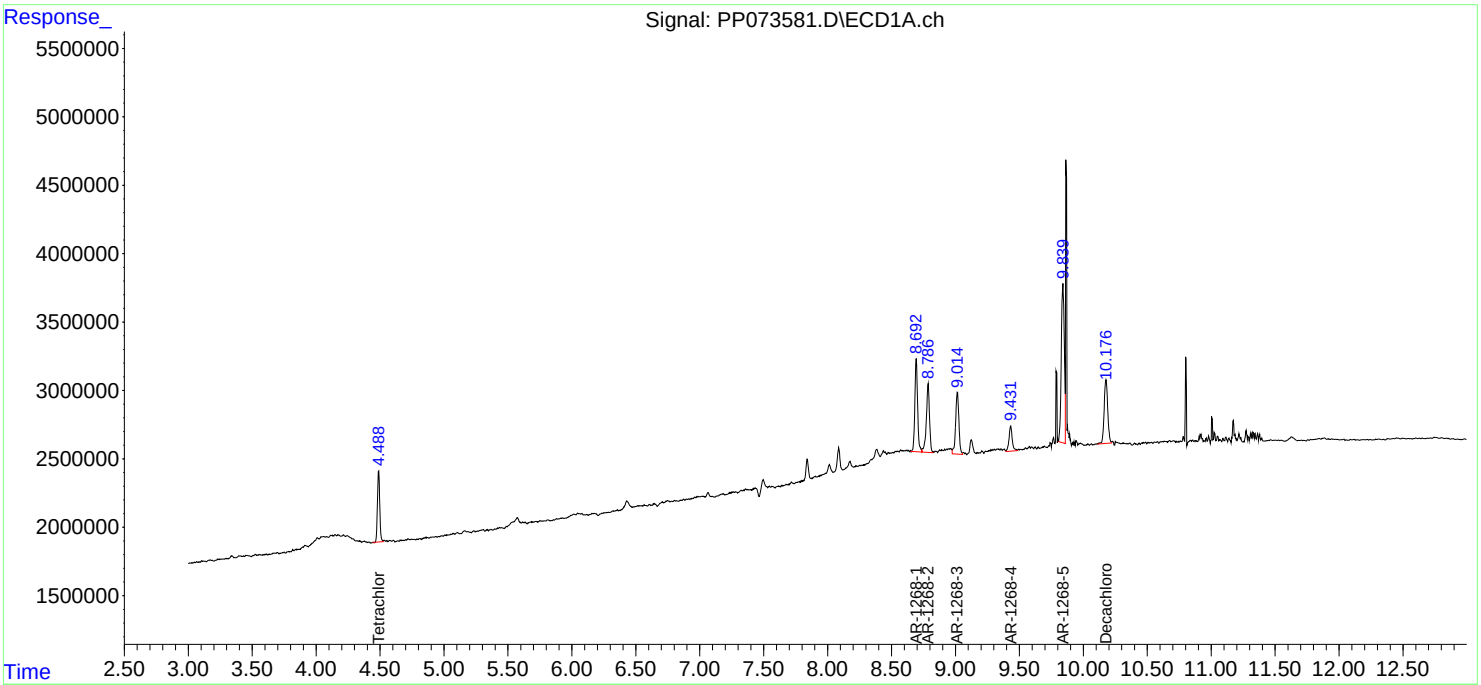
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

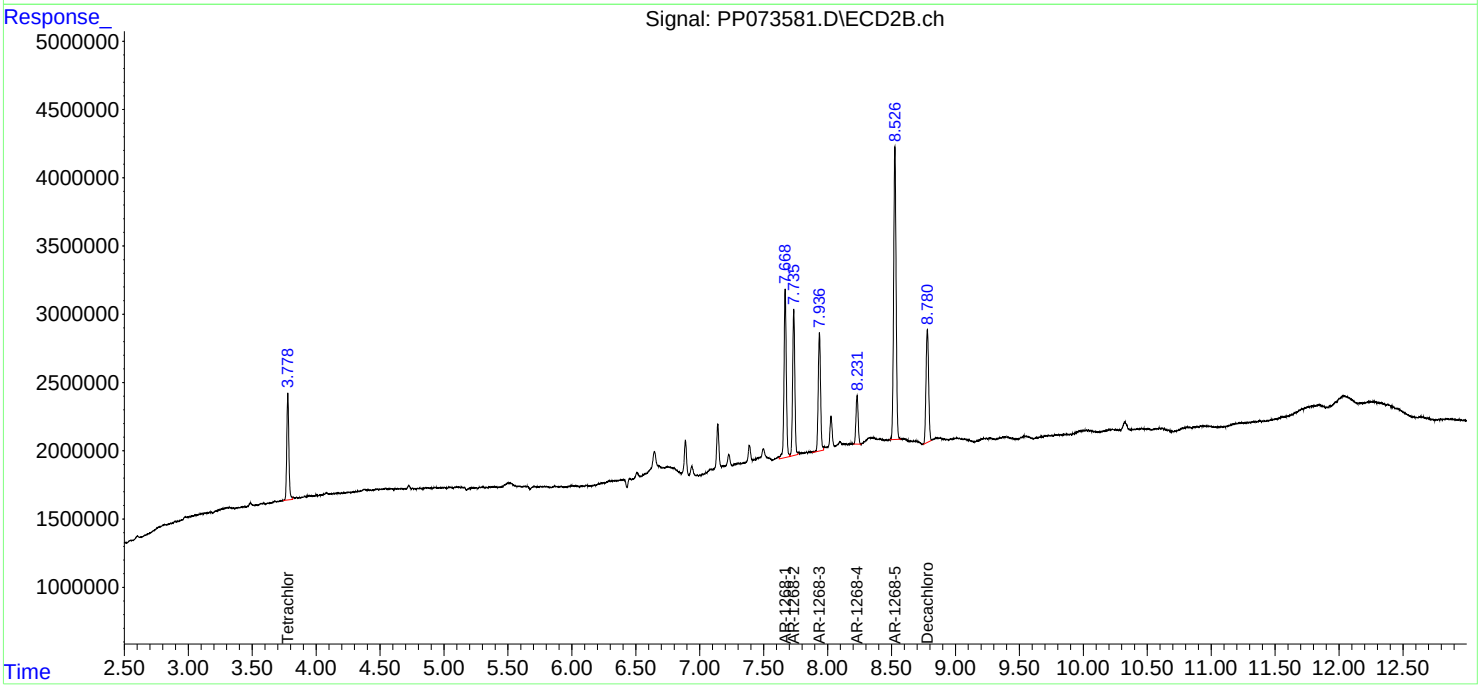
Manual Integrations APPROVED

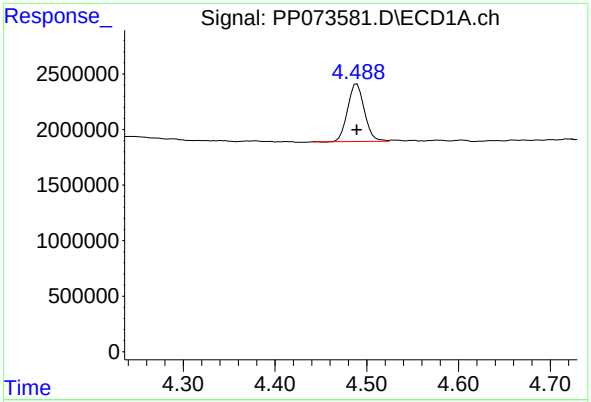
Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







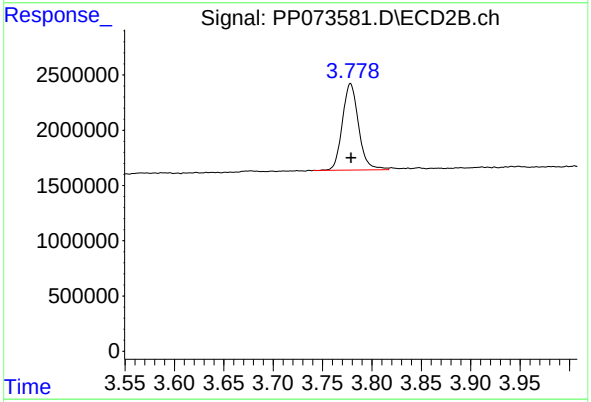
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

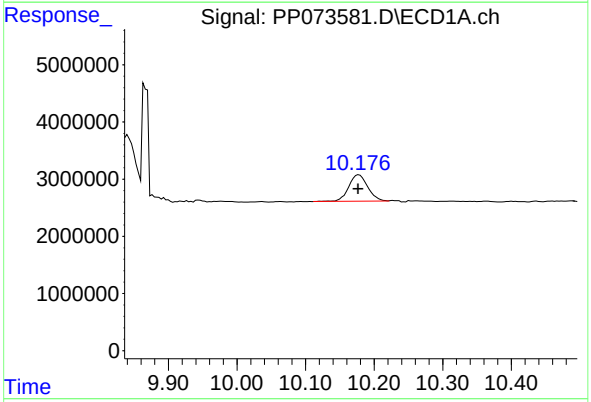
Manual Integrations APPROVED

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



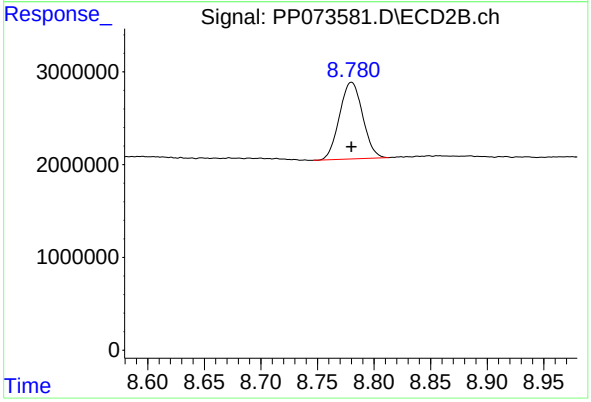
#1 Tetrachloro-m-xylene

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



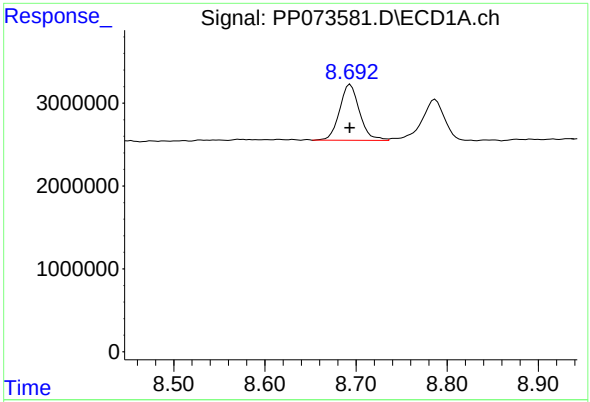
#2 Decachlorobiphenyl

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



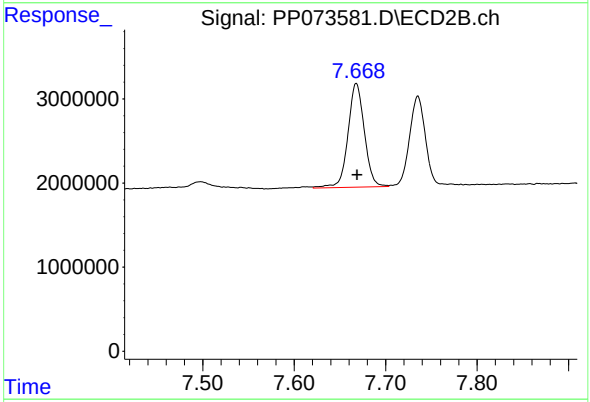
#41 AR-1268-1

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

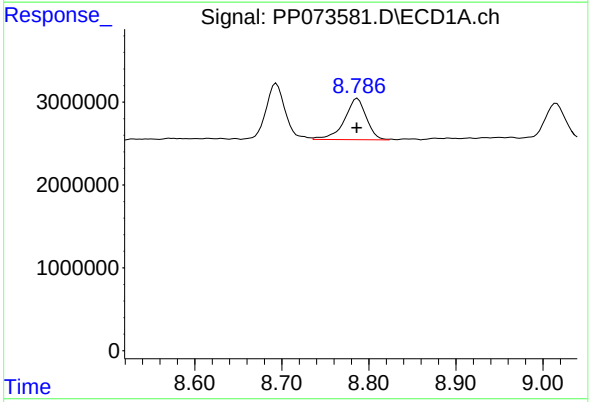
Manual Integrations APPROVED

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



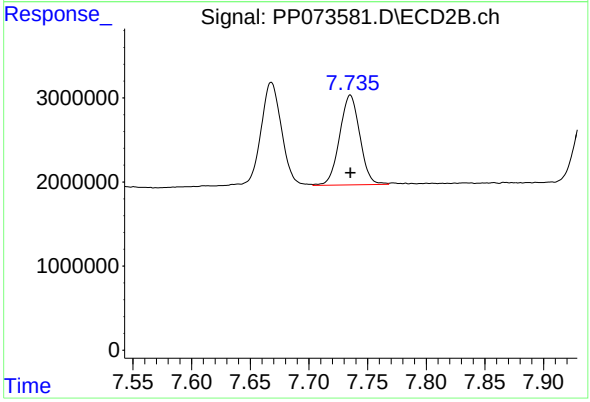
#41 AR-1268-1

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



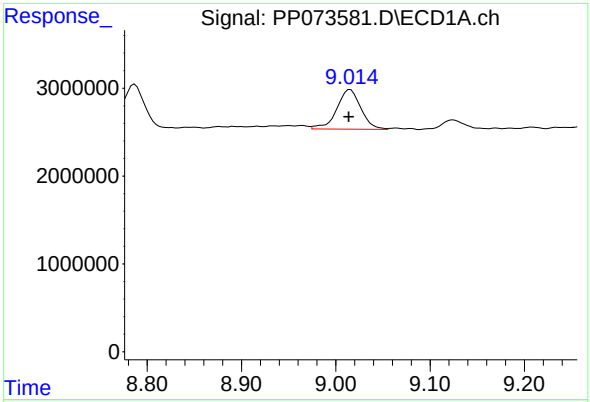
#42 AR-1268-2

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



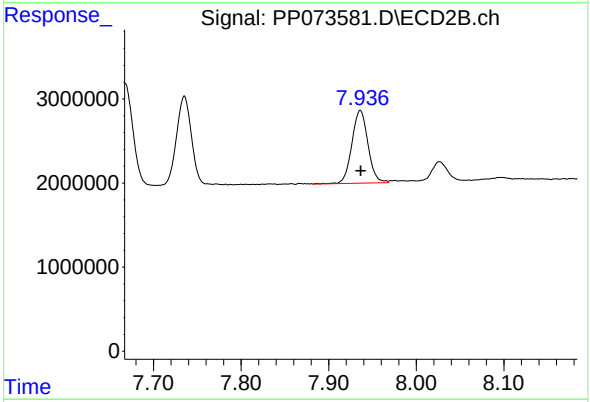
#43 AR-1268-3

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

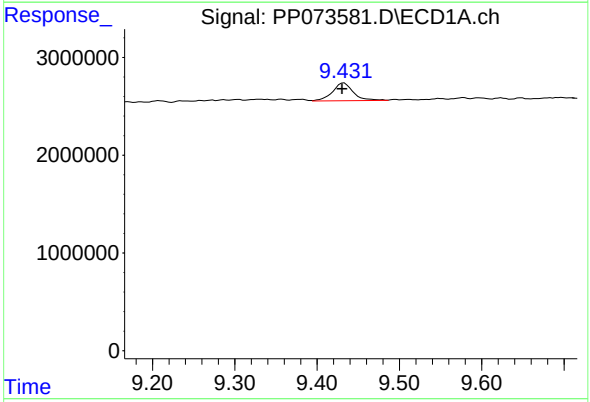
Manual Integrations APPROVED

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



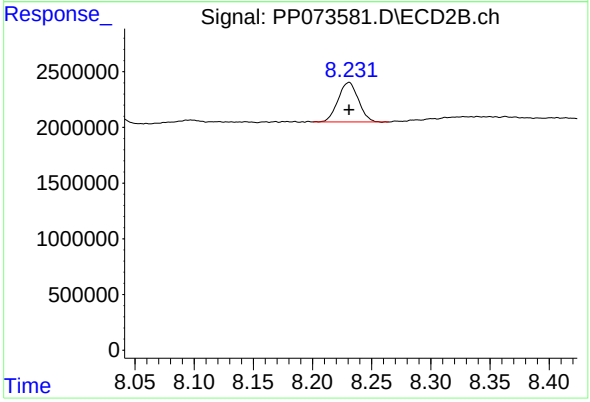
#43 AR-1268-3

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



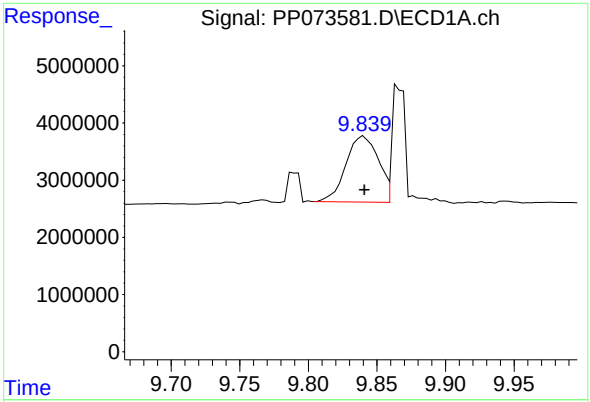
#44 AR-1268-4

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



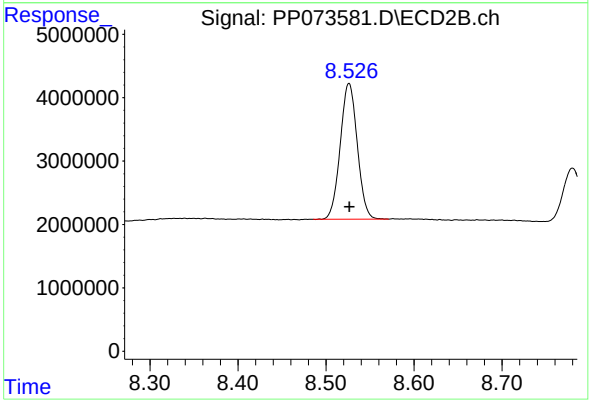
#45 AR-1268-5

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)

ICAL Form

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 : PP070825ICV500
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

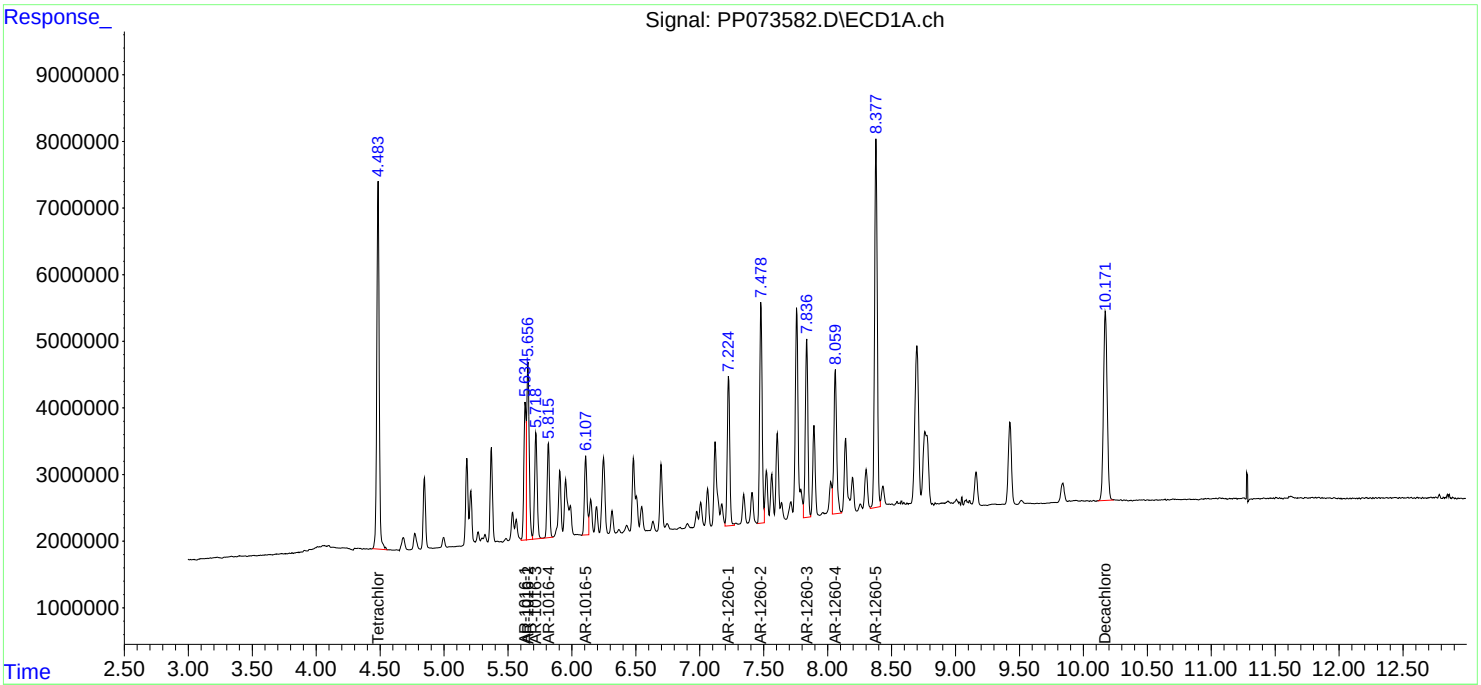
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

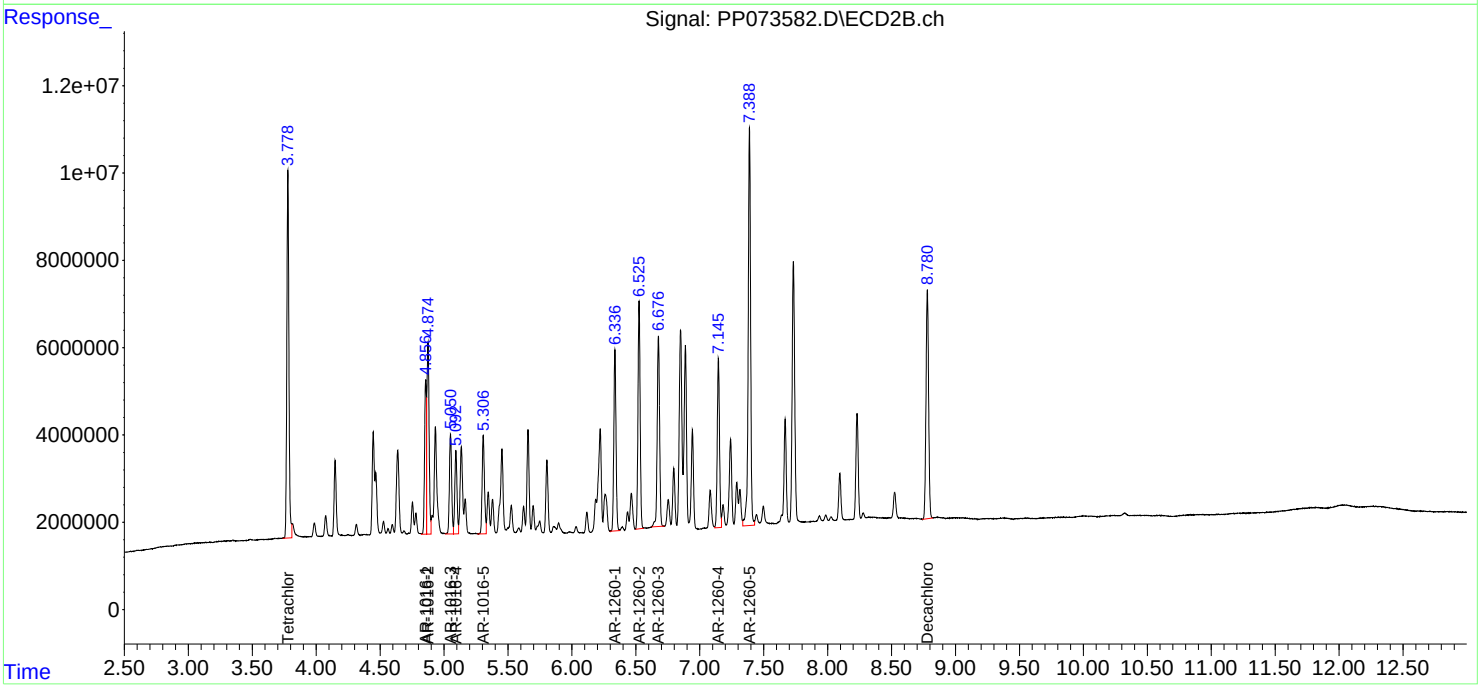
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:41
Operator : YP\AJ
Sample : PP070125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

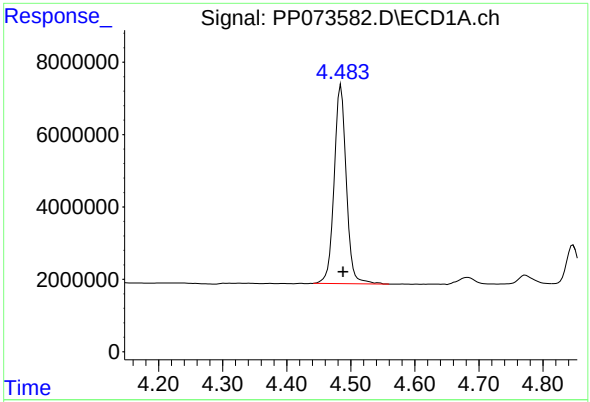
Instrument :
ECD_P
ClientSampleId :
ICVPP070825

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



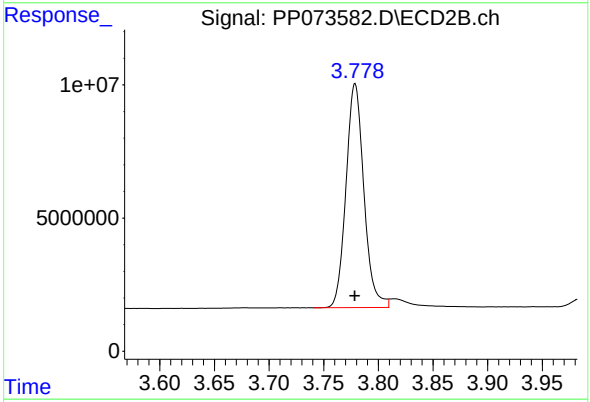




#1 Tetrachloro-m-xylene

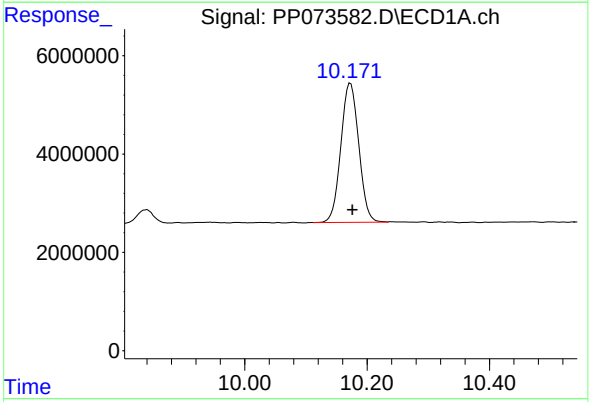
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 72260983
Conc: 52.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



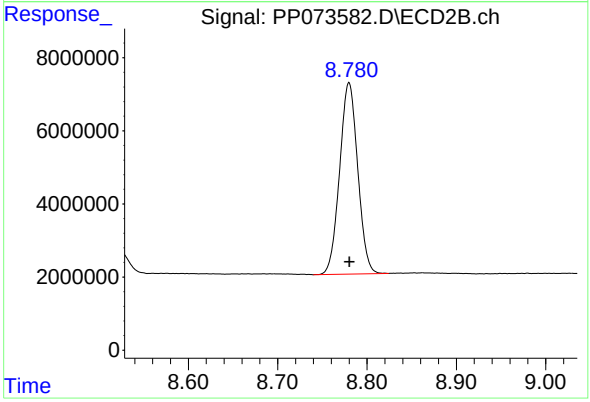
#1 Tetrachloro-m-xylene

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



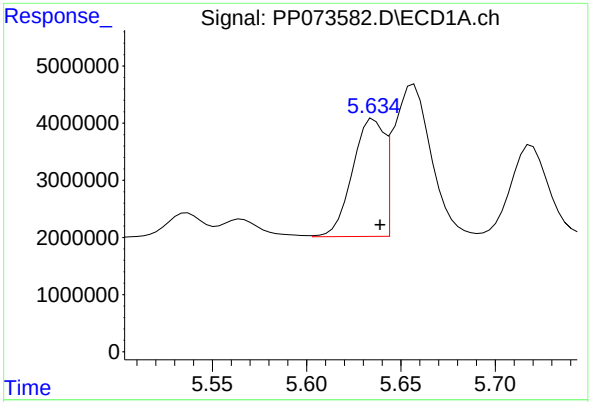
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

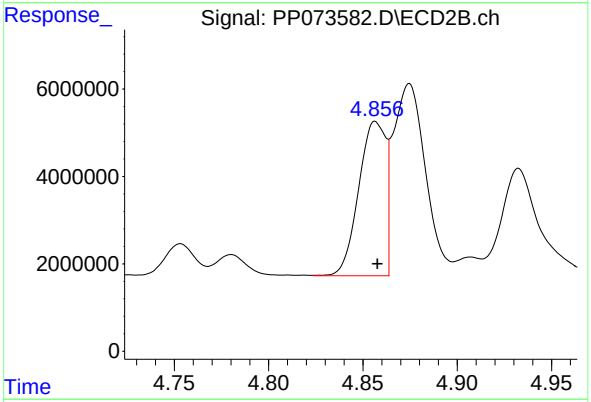
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 73824211
Conc: 55.79 ng/ml



#3 AR-1016-1

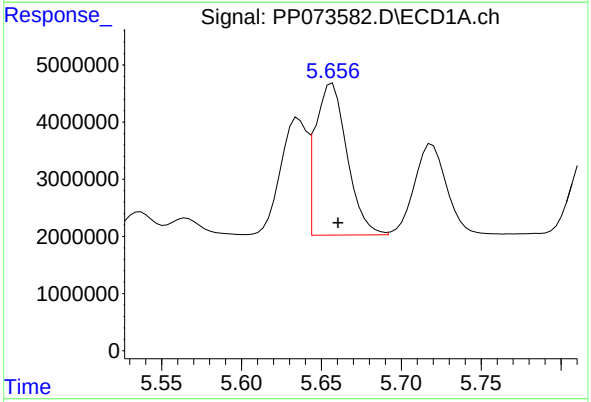
R.T.: 5.636 min
Delta R.T.: -0.003 min
Response: 23819344
Conc: 501.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



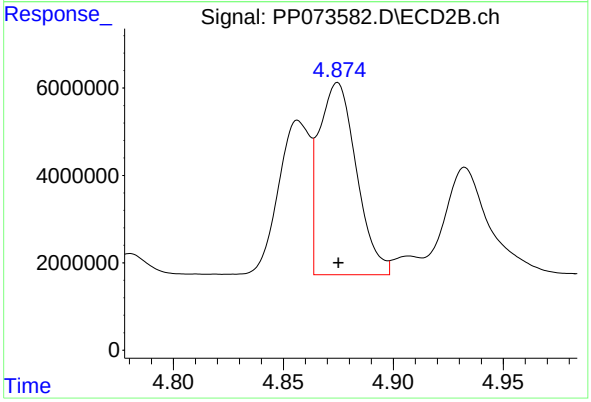
#3 AR-1016-1

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



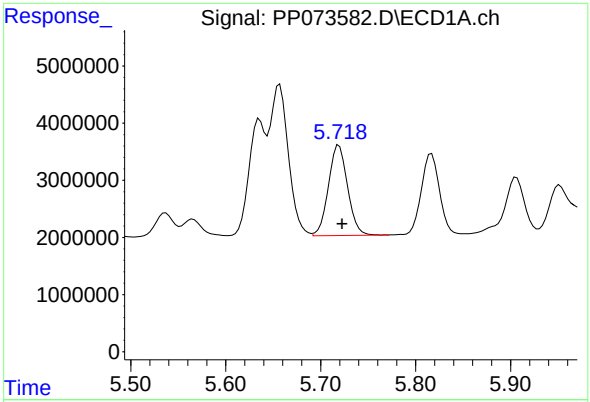
#4 AR-1016-2

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



#4 AR-1016-2

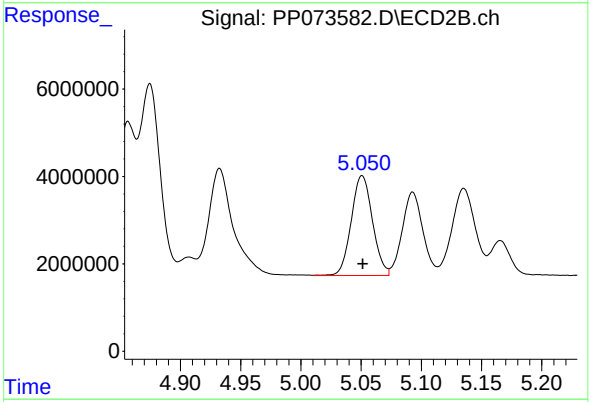
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 52182388
Conc: 512.17 ng/ml



#5 AR-1016-3

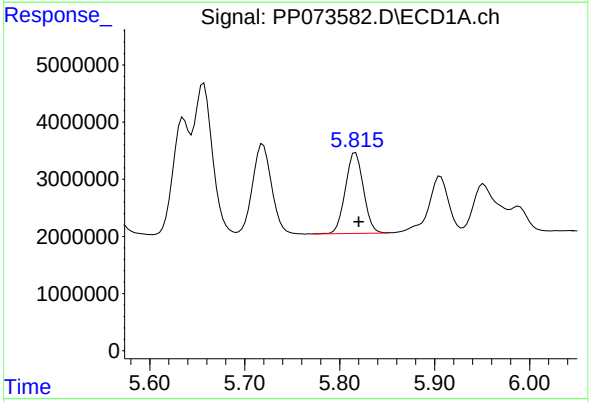
R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 22168045
Conc: 507.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



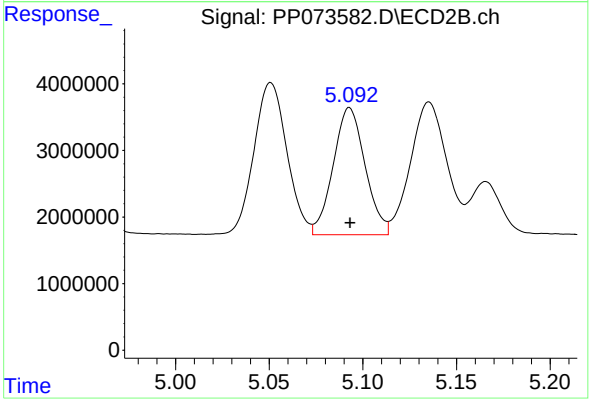
#5 AR-1016-3

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



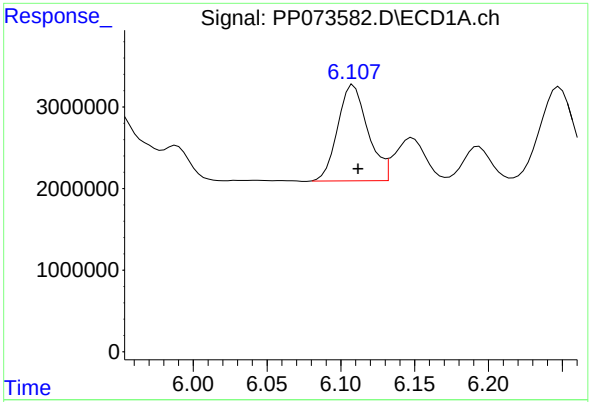
#6 AR-1016-4

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



#6 AR-1016-4

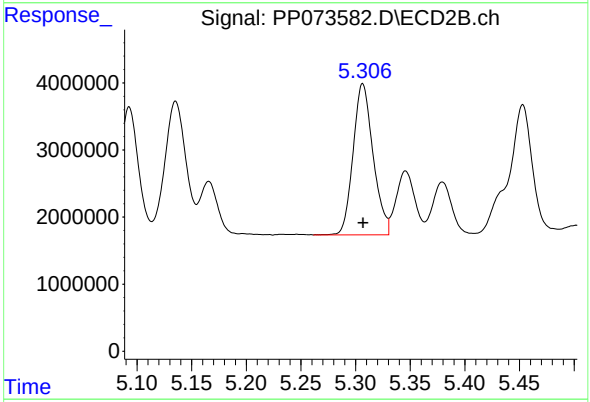
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 22689979
Conc: 517.08 ng/ml



#7 AR-1016-5

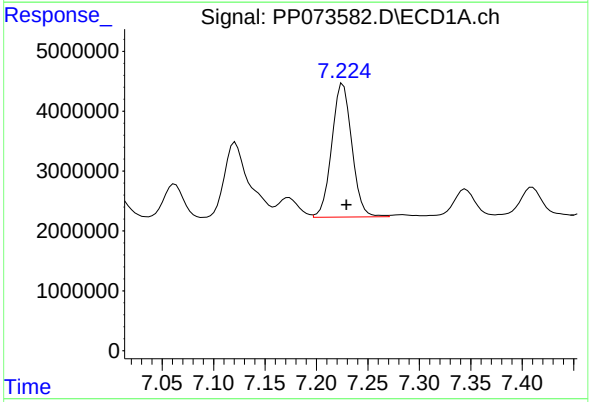
R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 16712865
Conc: 533.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



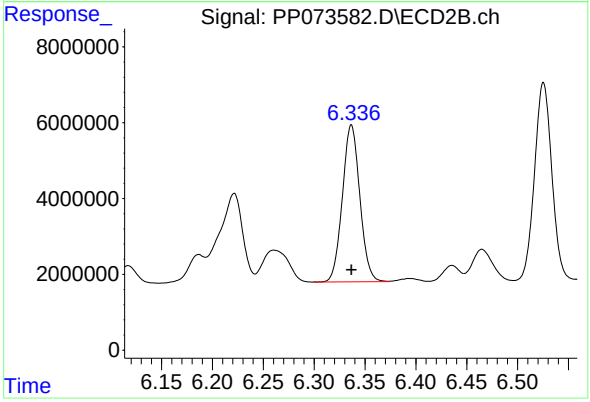
#7 AR-1016-5

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



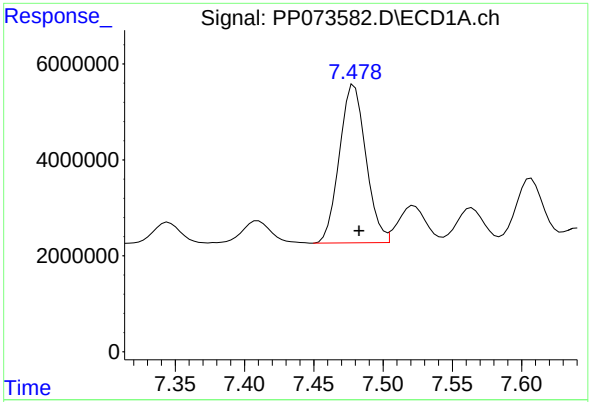
#31 AR-1260-1

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



#31 AR-1260-1

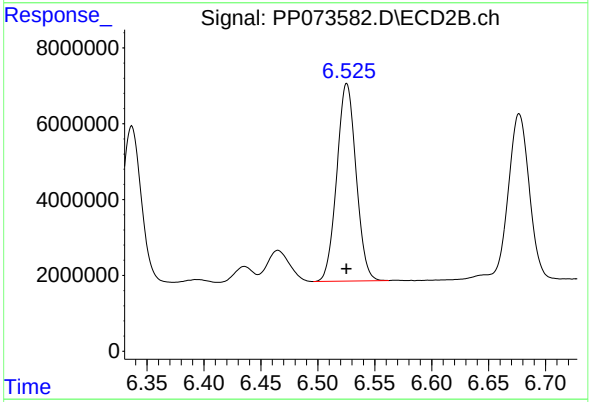
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 49427132
Conc: 506.63 ng/ml



#32 AR-1260-2

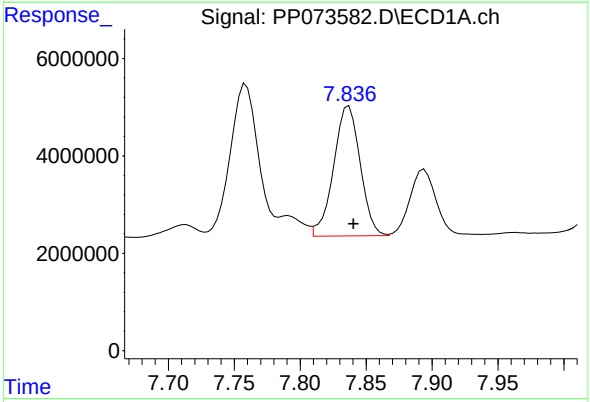
R.T.: 7.479 min
Delta R.T.: -0.004 min
Response: 43933298
Conc: 458.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



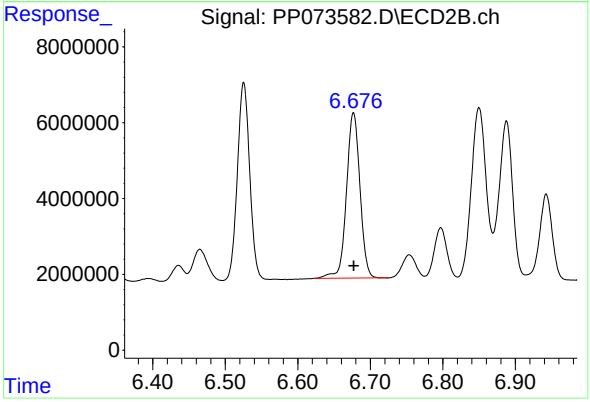
#32 AR-1260-2

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 61439670
Conc: 500.17 ng/ml



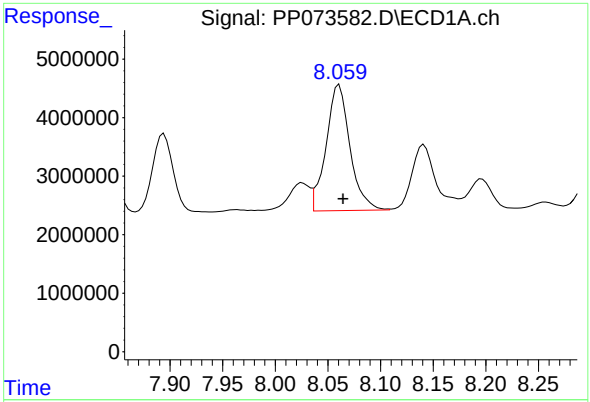
#33 AR-1260-3

R.T.: 7.837 min
Delta R.T.: -0.003 min
Response: 37495485
Conc: 513.14 ng/ml



#33 AR-1260-3

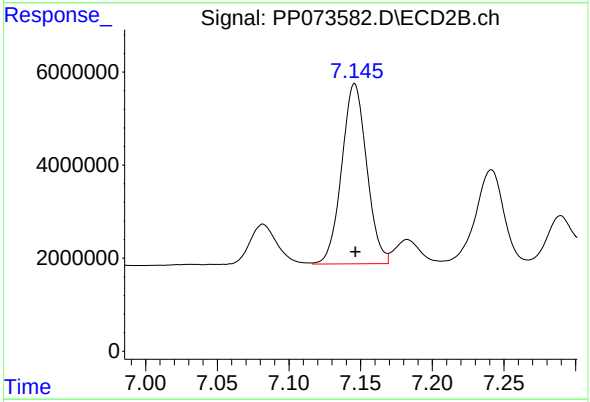
R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 56331160
Conc: 514.61 ng/ml



#34 AR-1260-4

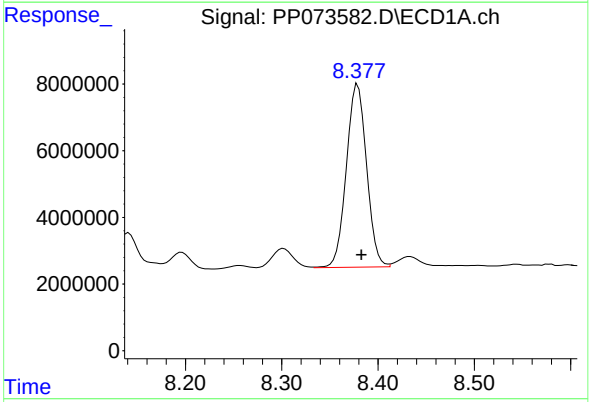
R.T.: 8.061 min
Delta R.T.: -0.004 min
Response: 33945827
Conc: 519.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



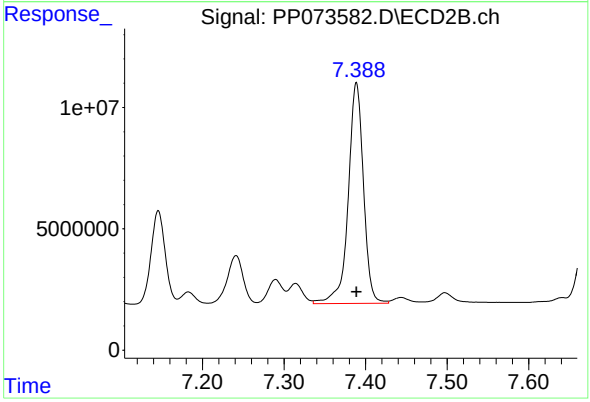
#34 AR-1260-4

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)

ICAL Form

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

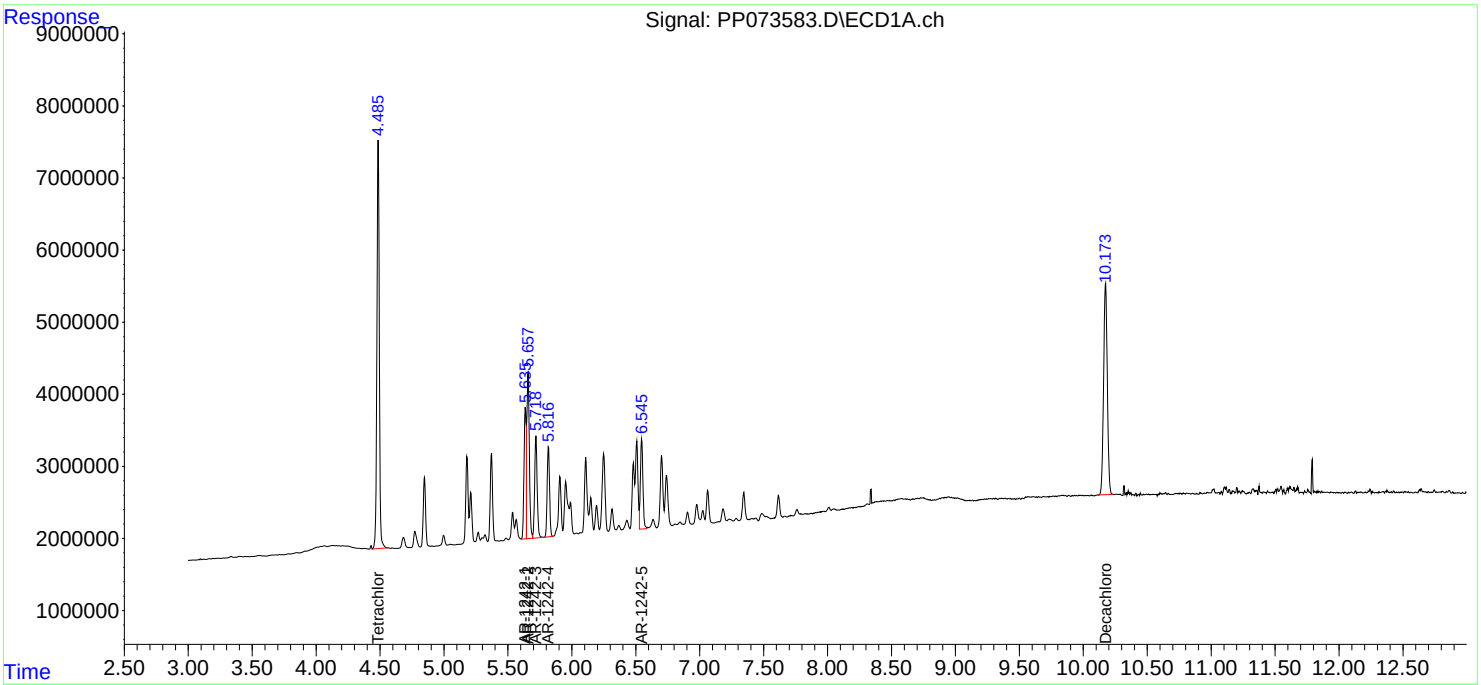
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

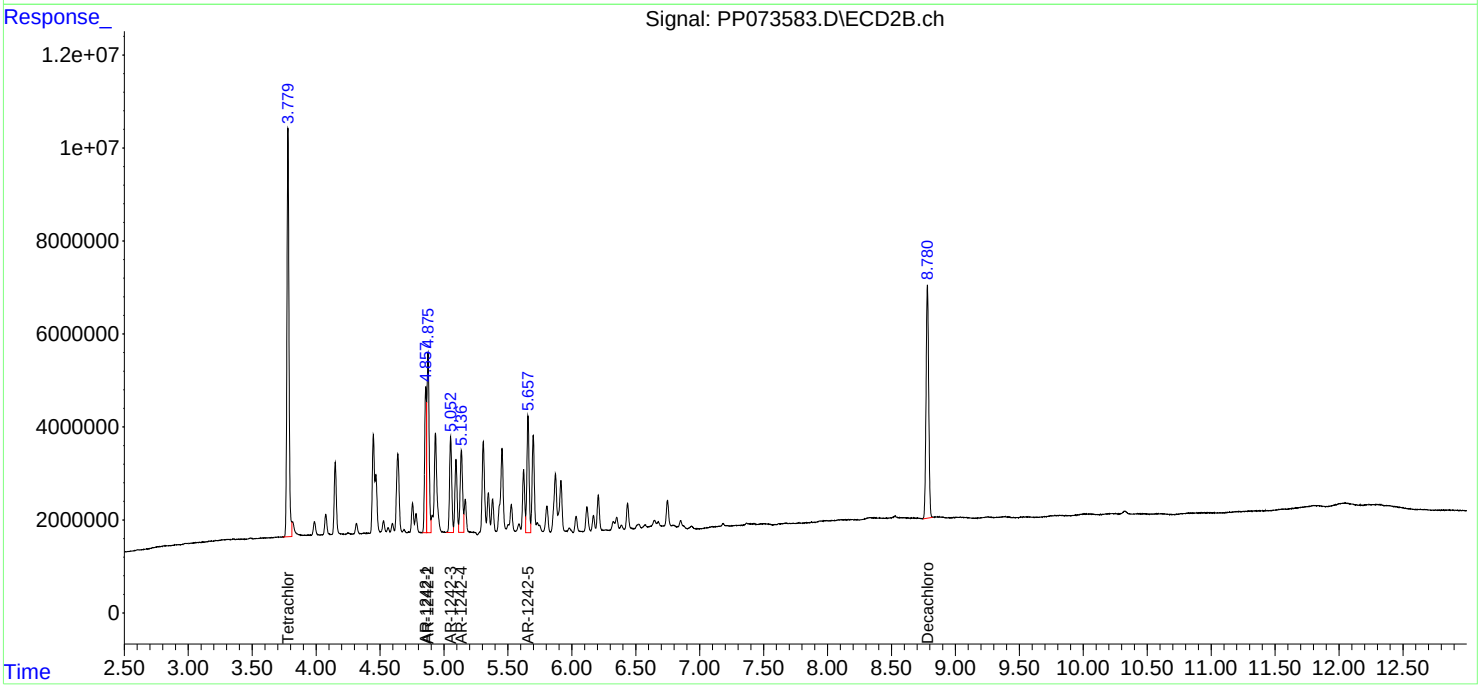
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 05:30
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

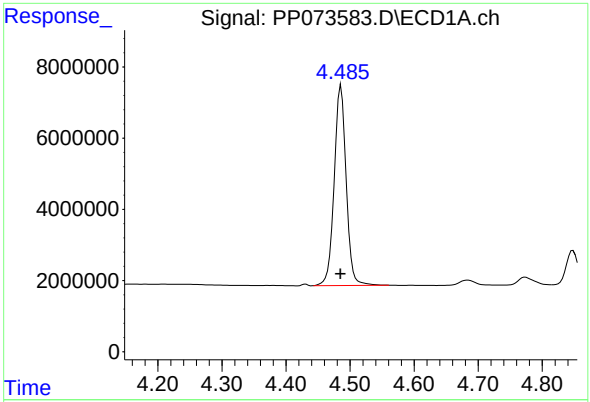
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242

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



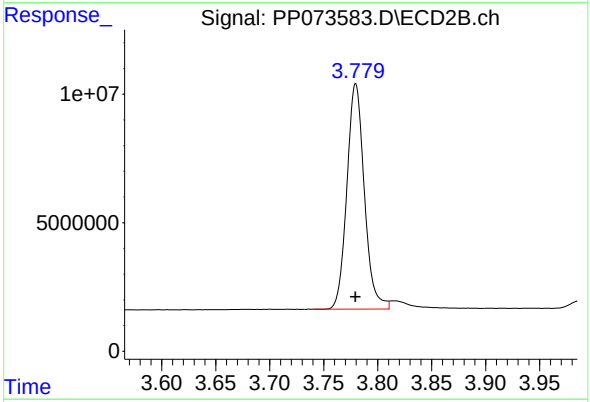




#1 Tetrachloro-m-xylene

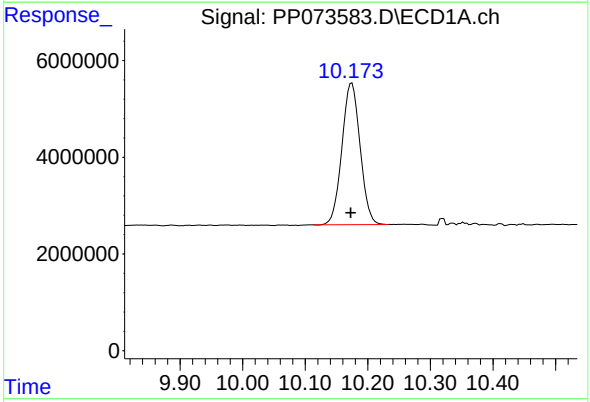
R.T.: 4.486 min
Delta R.T.: 0.000 min
Response: 72993940
Conc: 53.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



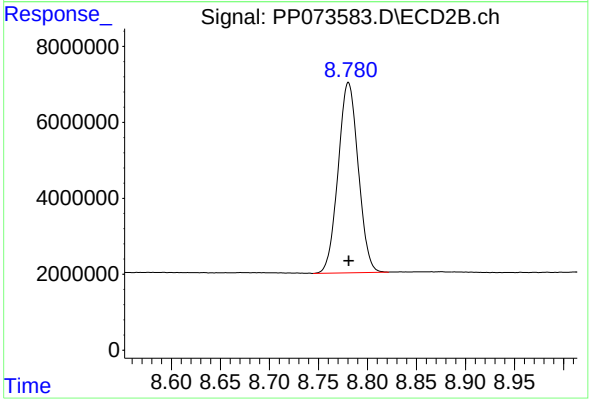
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 98810271
Conc: 54.10 ng/ml



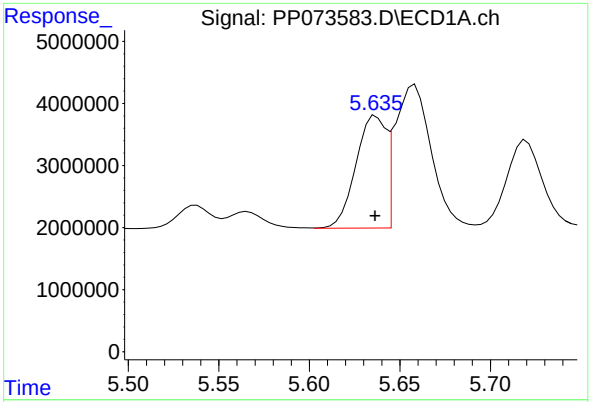
#2 Decachlorobiphenyl

R.T.: 10.175 min
Delta R.T.: 0.002 min
Response: 59178077
Conc: 53.75 ng/ml



#2 Decachlorobiphenyl

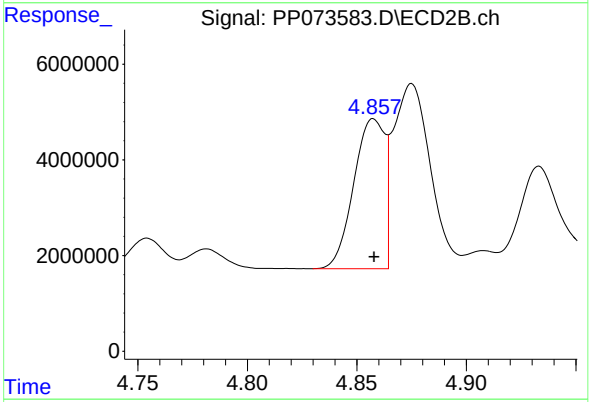
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 71524197
Conc: 53.92 ng/ml



#16 AR-1242-1

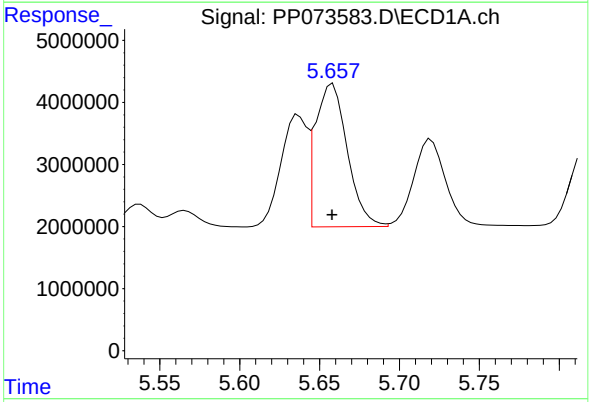
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 20775175
Conc: 544.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



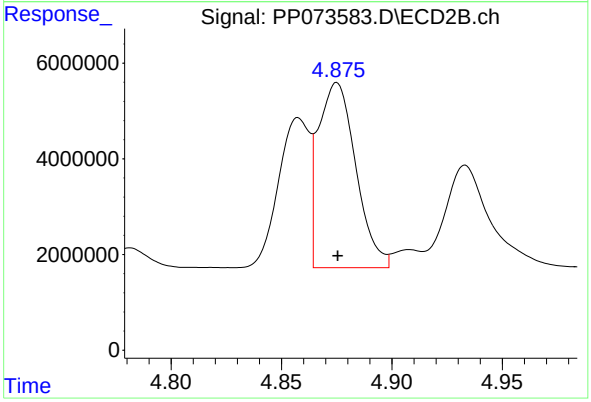
#16 AR-1242-1

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 30801945
Conc: 533.23 ng/ml



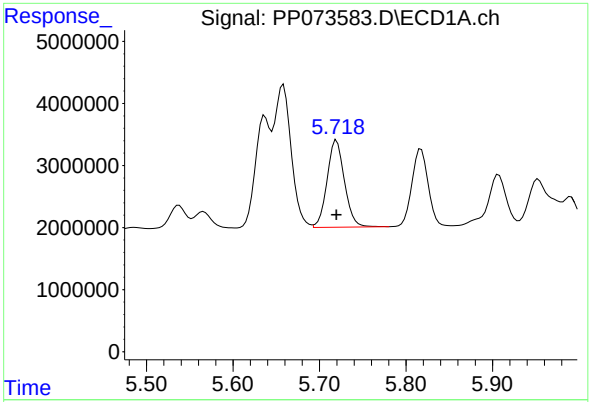
#17 AR-1242-2

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 31979969
Conc: 534.05 ng/ml



#17 AR-1242-2

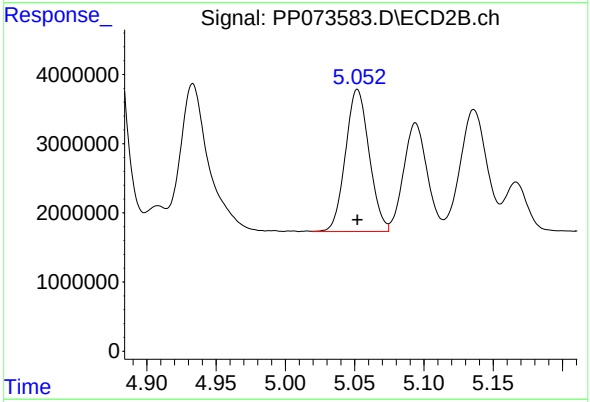
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 45687015
Conc: 528.45 ng/ml



#18 AR-1242-3

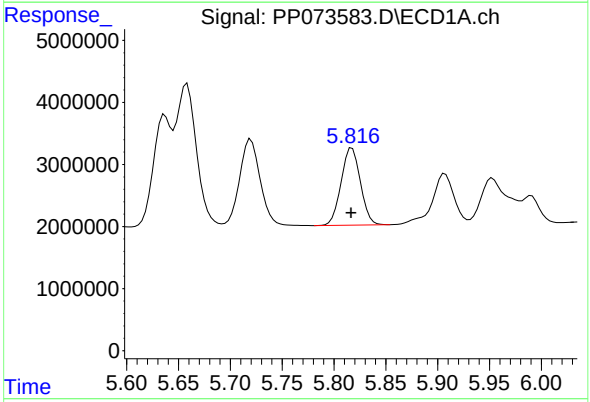
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 19490860
Conc: 532.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



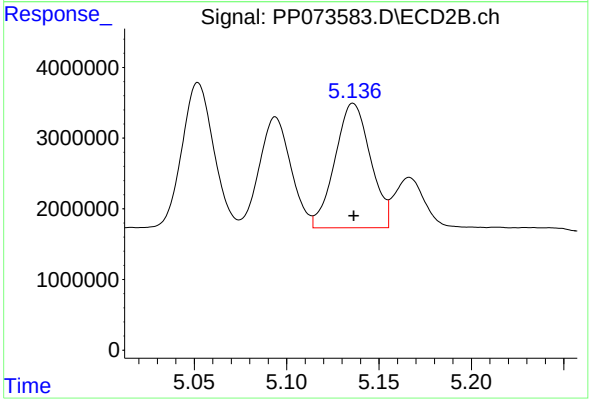
#18 AR-1242-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 24488942
Conc: 532.99 ng/ml



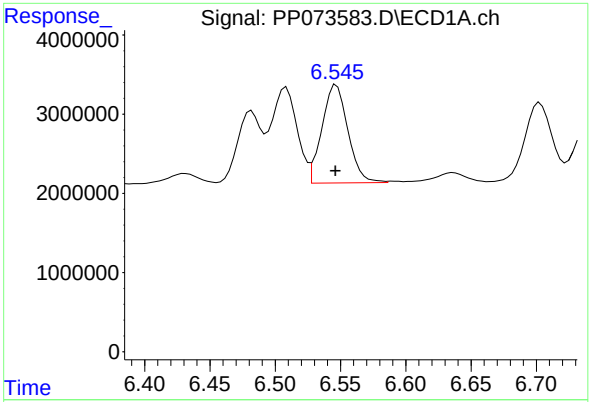
#19 AR-1242-4

R.T.: 5.817 min
Delta R.T.: 0.000 min
Response: 16125476
Conc: 501.79 ng/ml



#19 AR-1242-4

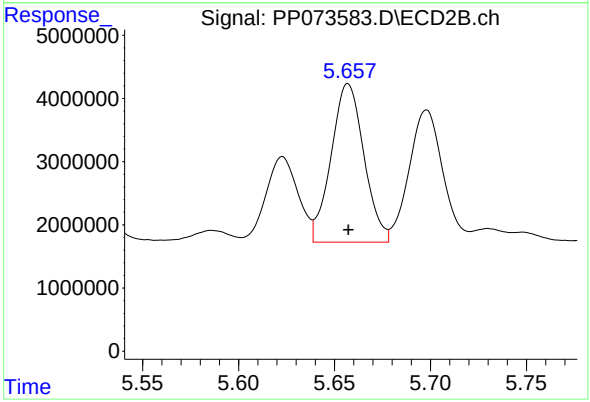
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 23556759
Conc: 532.20 ng/ml



#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)

ICAL Form

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.

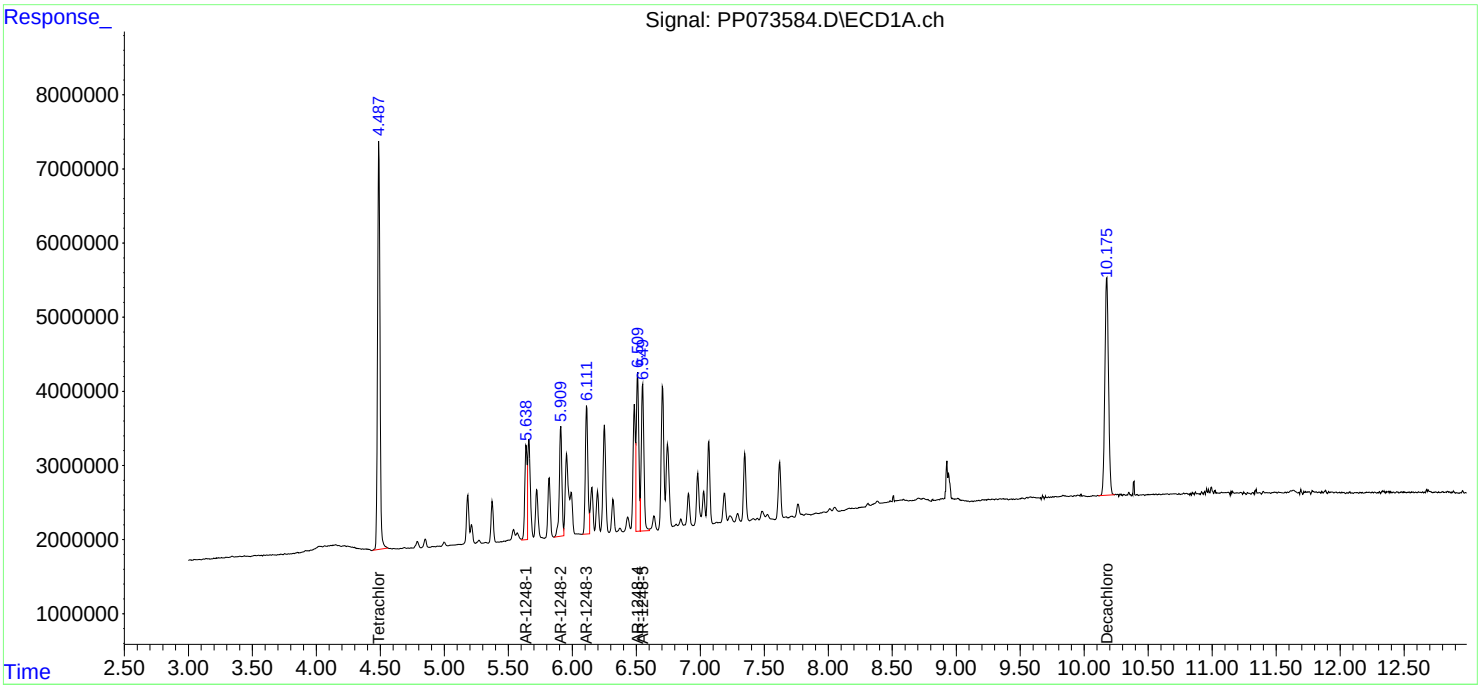
ICAL Form

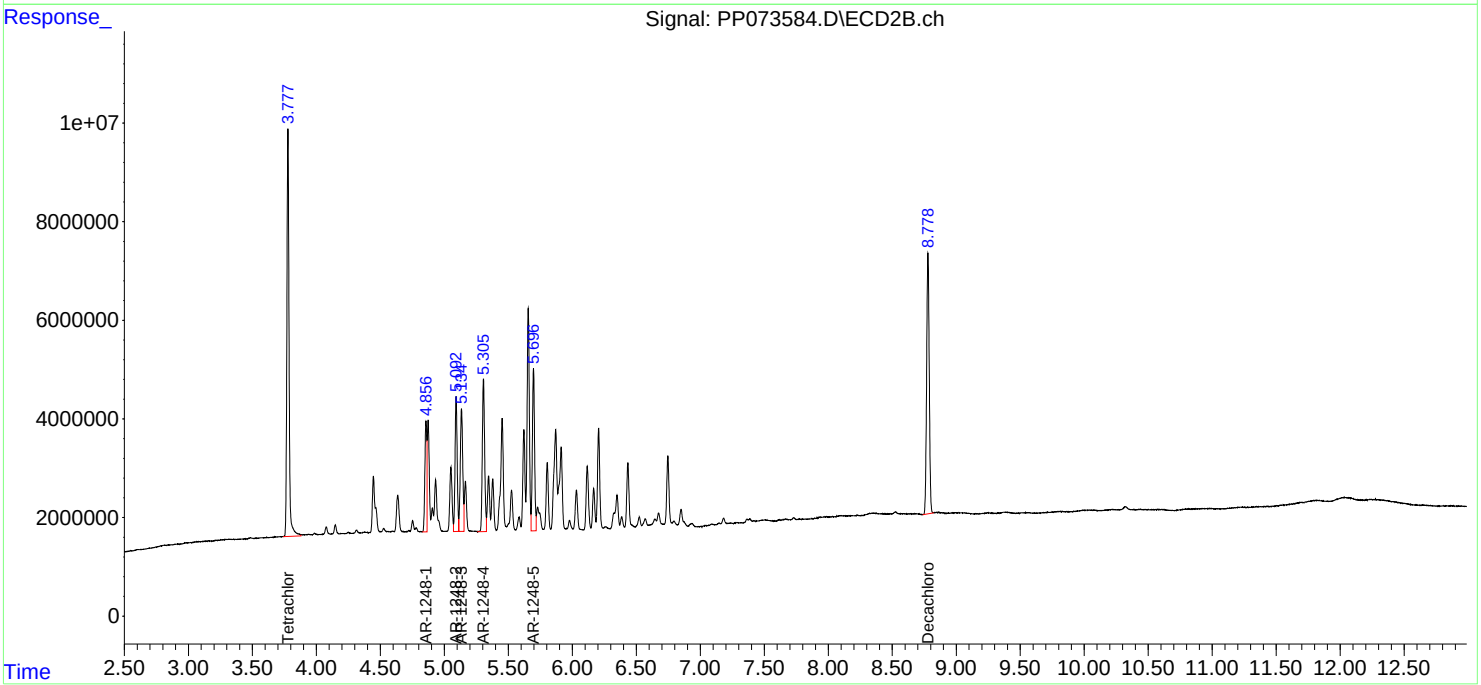
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 05:46
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

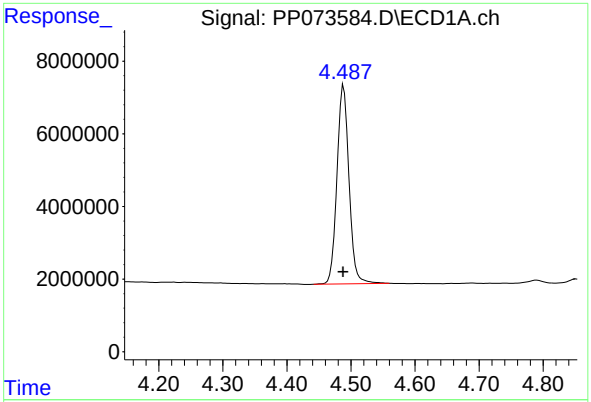
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248

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



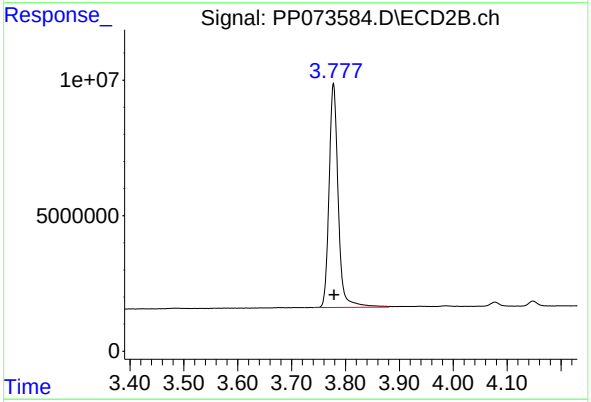




#1 Tetrachloro-m-xylene

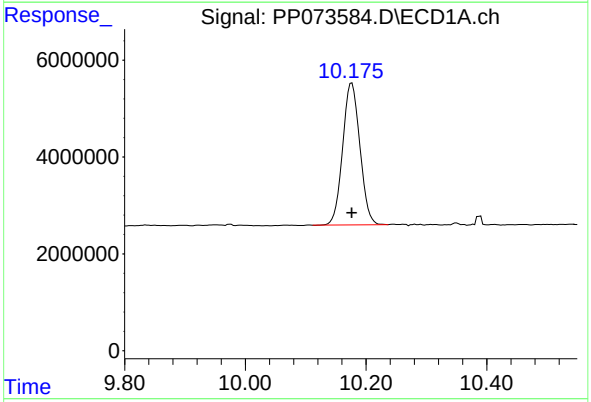
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 71424974
Conc: 52.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



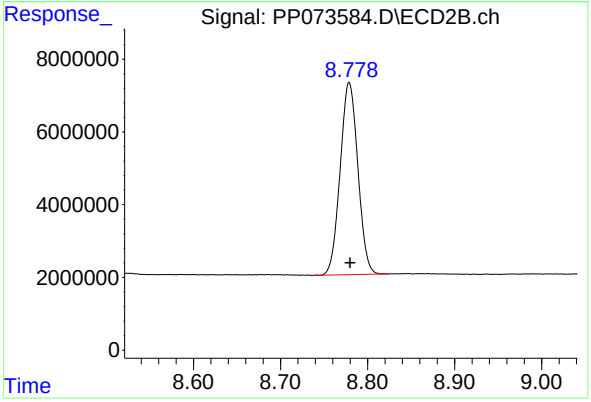
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 97266201
Conc: 52.80 ng/ml



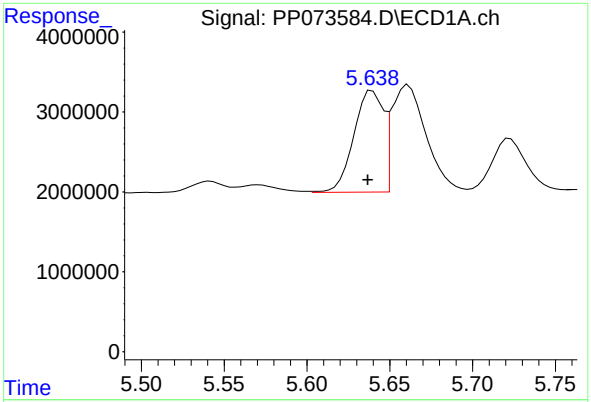
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 58027297
Conc: 53.18 ng/ml



#2 Decachlorobiphenyl

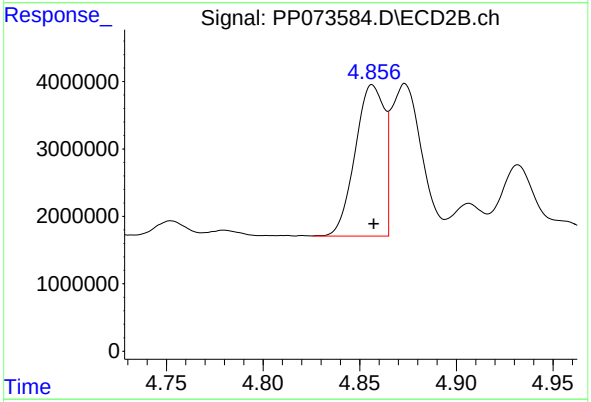
R.T.: 8.779 min
Delta R.T.: -0.001 min
Response: 74824812
Conc: 56.55 ng/ml



#21 AR-1248-1

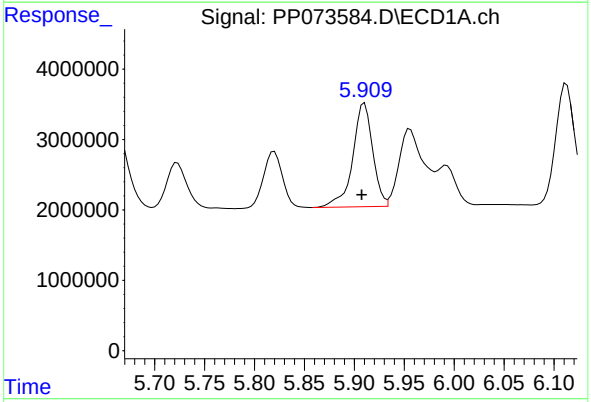
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 15762091
Conc: 510.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



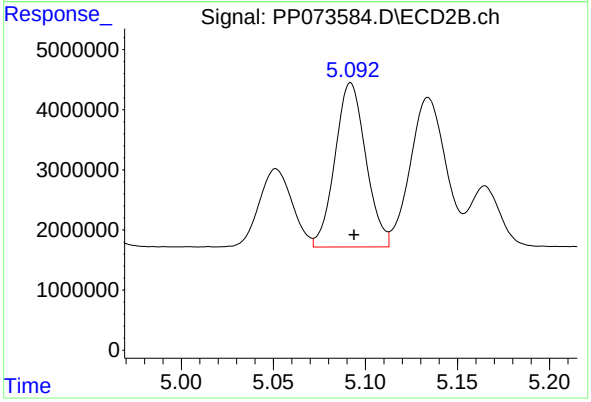
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 23607850
Conc: 525.85 ng/ml



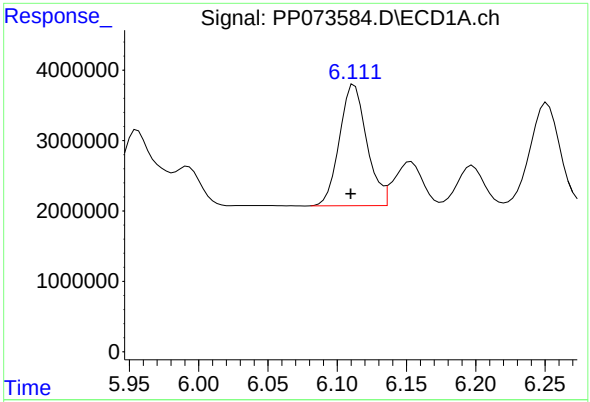
#22 AR-1248-2

R.T.: 5.910 min
Delta R.T.: 0.003 min
Response: 20492312
Conc: 513.29 ng/ml



#22 AR-1248-2

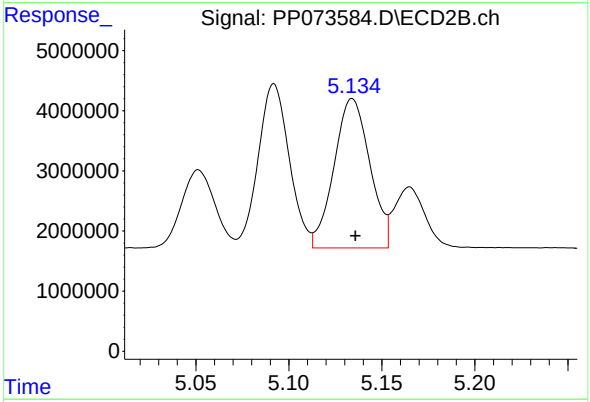
R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 31849894
Conc: 517.58 ng/ml



#23 AR-1248-3

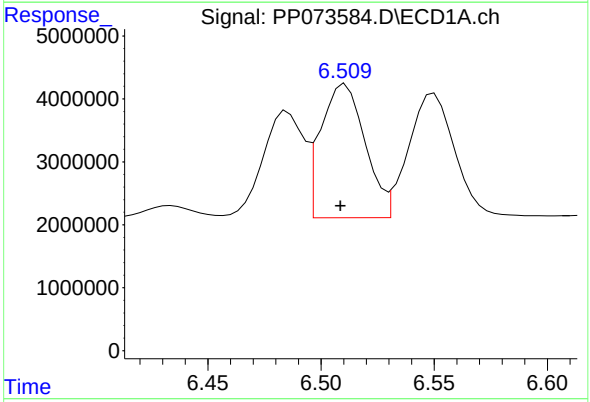
R.T.: 6.112 min
Delta R.T.: 0.003 min
Response: 23677594
Conc: 533.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



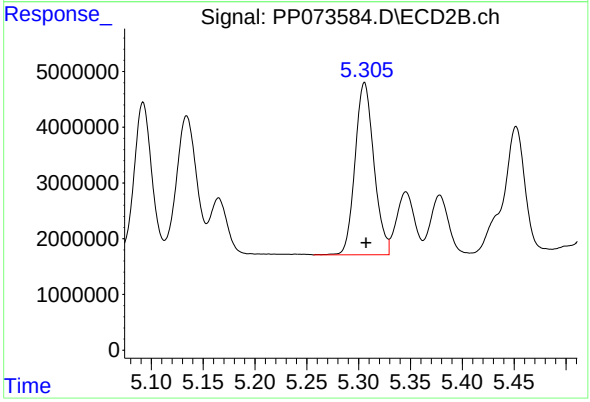
#23 AR-1248-3

R.T.: 5.134 min
Delta R.T.: -0.002 min
Response: 33328191
Conc: 520.23 ng/ml



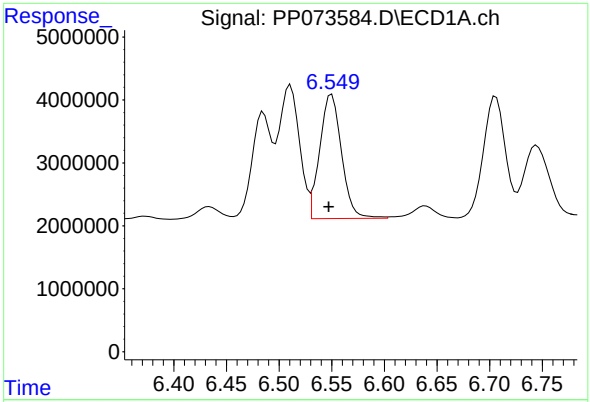
#24 AR-1248-4

R.T.: 6.511 min
Delta R.T.: 0.002 min
Response: 28997723
Conc: 526.46 ng/ml



#24 AR-1248-4

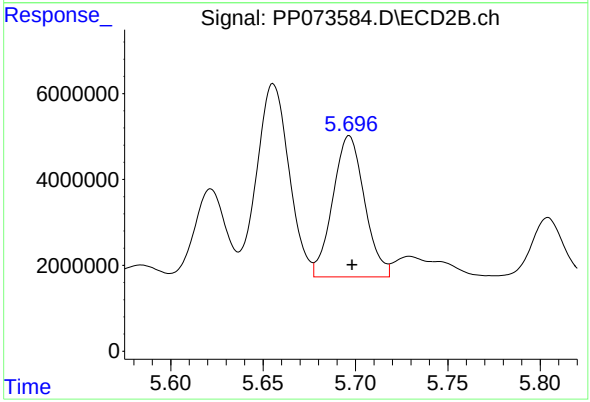
R.T.: 5.306 min
Delta R.T.: -0.002 min
Response: 39129254
Conc: 519.11 ng/ml



#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)

ICAL Form

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.

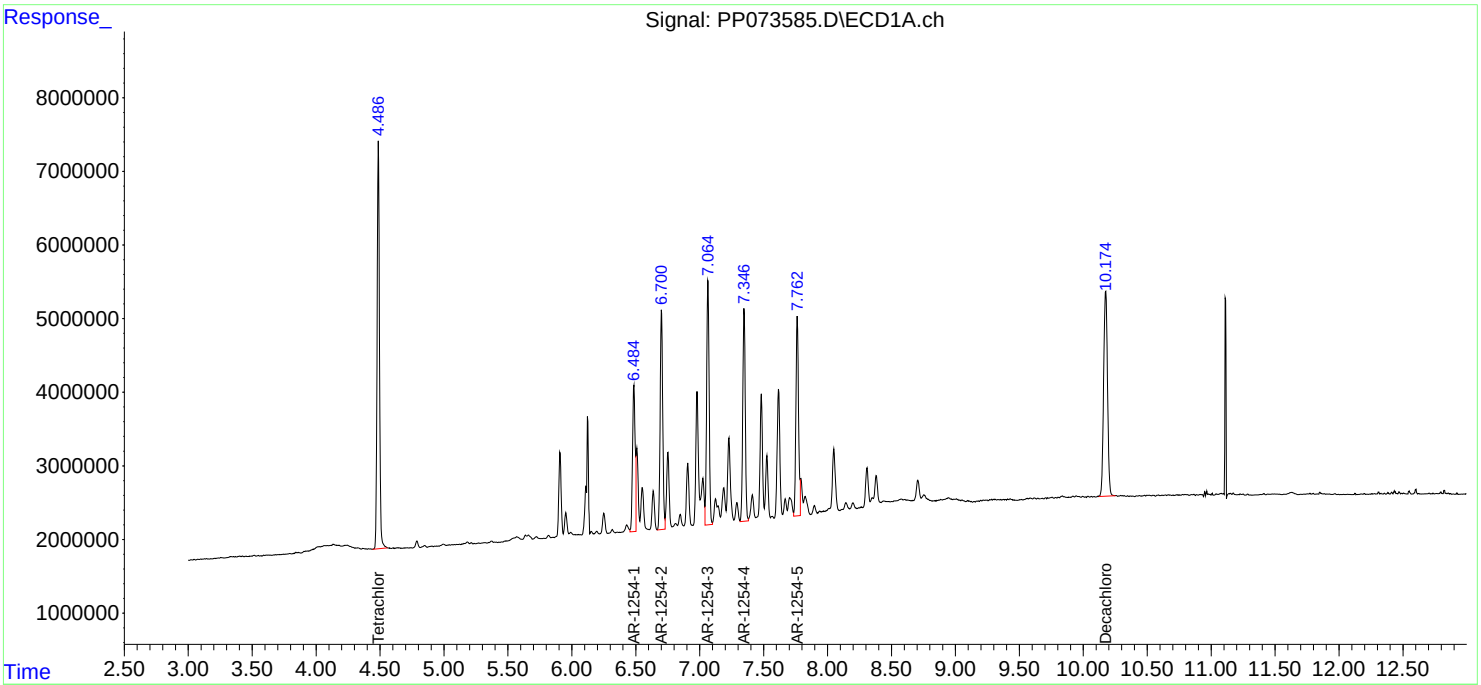
ICAL Form

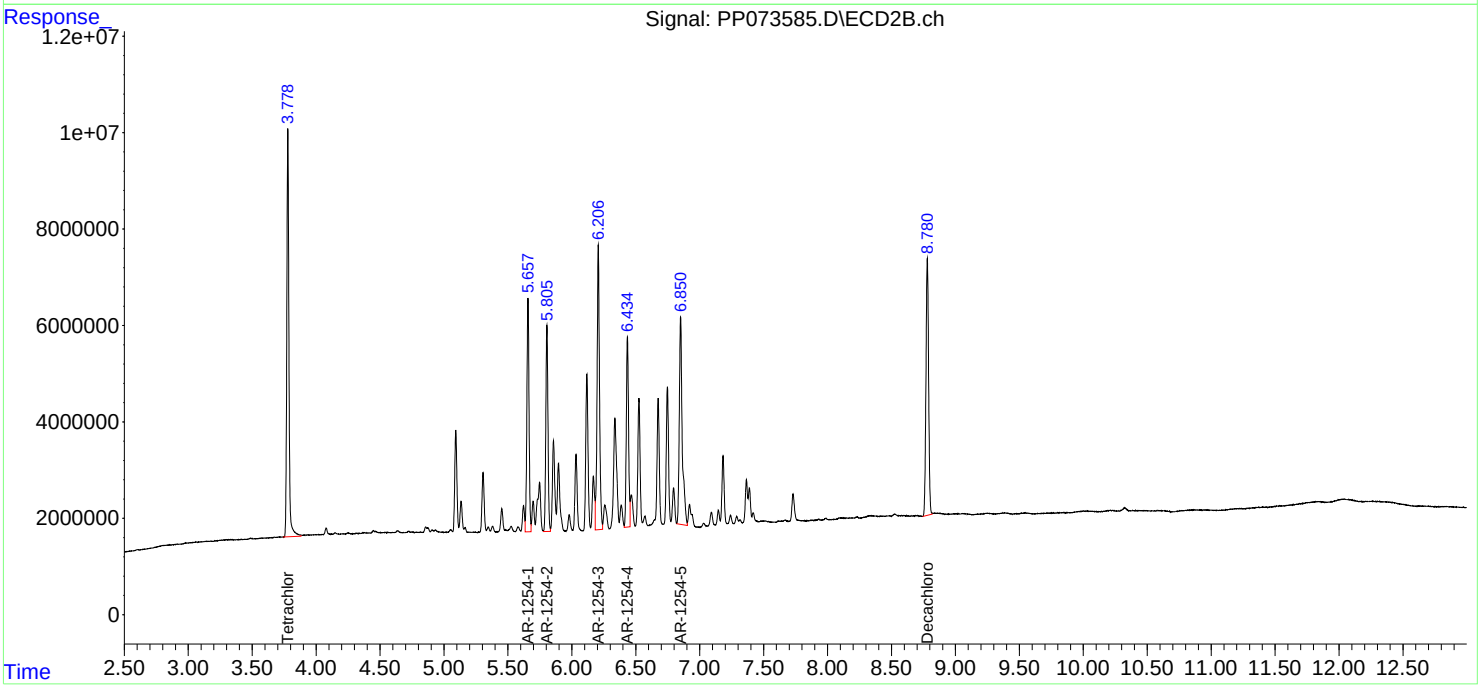
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 06:19
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

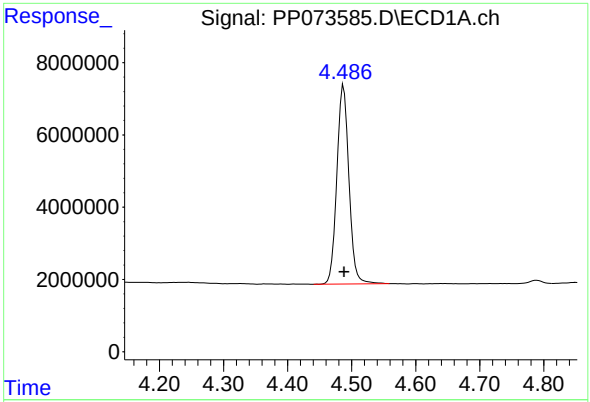
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254

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



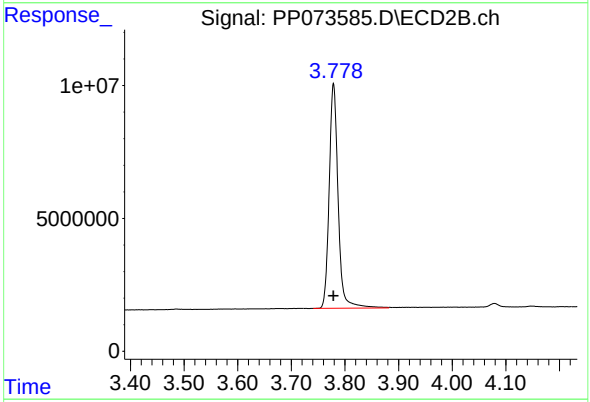




#1 Tetrachloro-m-xylene

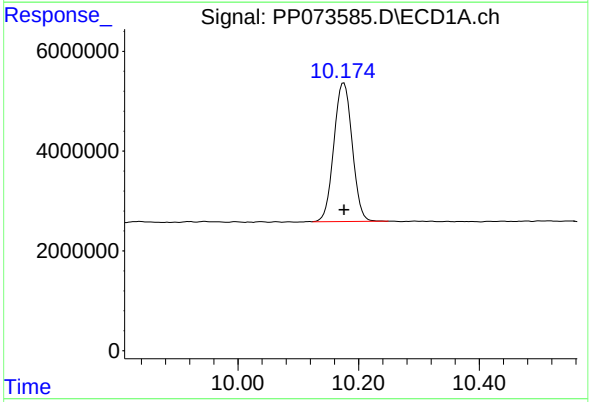
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 72137939
Conc: 52.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



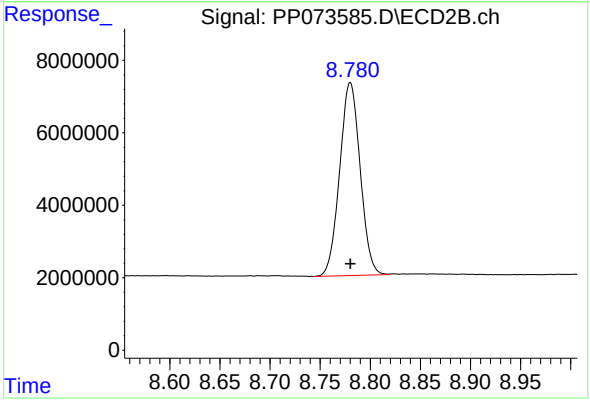
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 98177371
Conc: 53.29 ng/ml



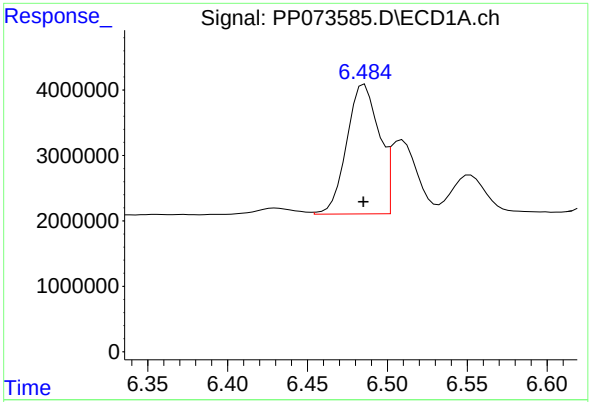
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 58669520
Conc: 53.77 ng/ml



#2 Decachlorobiphenyl

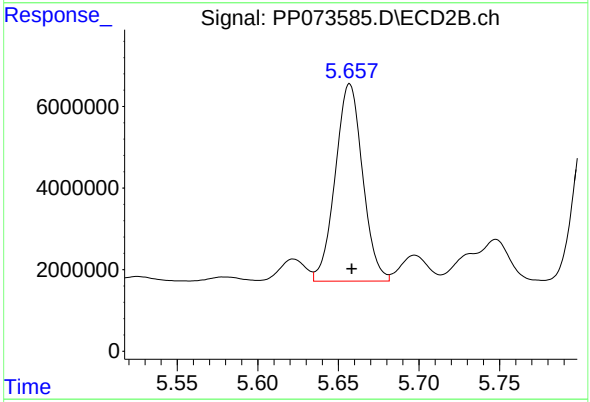
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 75798661
Conc: 57.29 ng/ml



#26 AR-1254-1

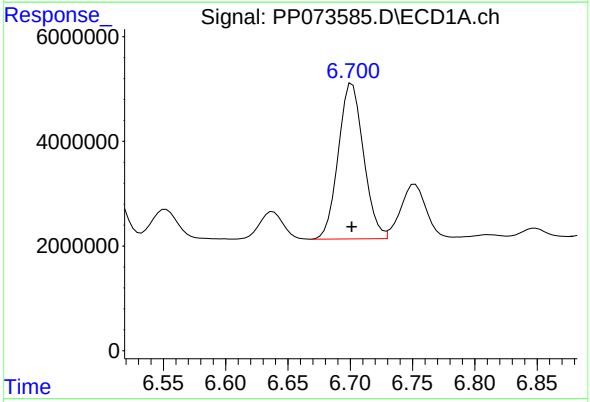
R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 27751618
Conc: 517.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



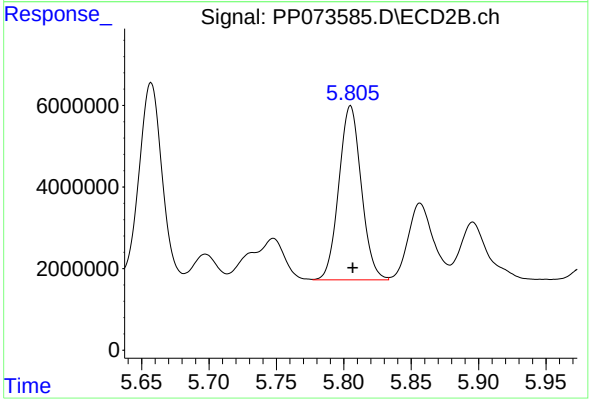
#26 AR-1254-1

R.T.: 5.657 min
Delta R.T.: -0.001 min
Response: 57179282
Conc: 492.80 ng/ml



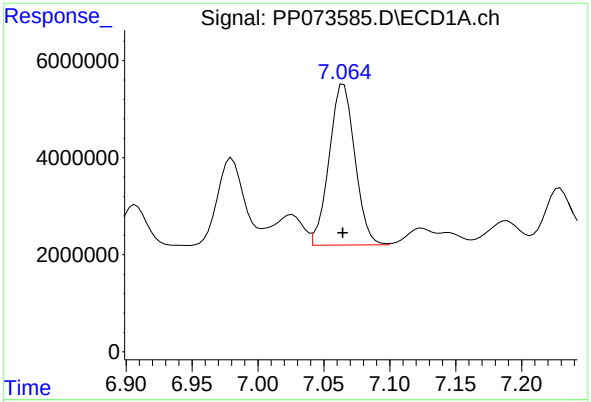
#27 AR-1254-2

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 42039125
Conc: 504.74 ng/ml



#27 AR-1254-2

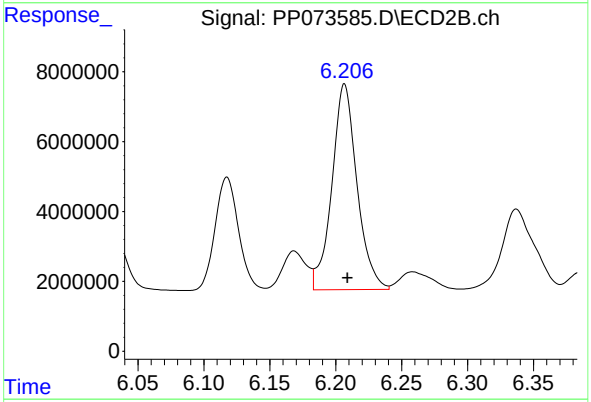
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 49615142
Conc: 493.08 ng/ml



#28 AR-1254-3

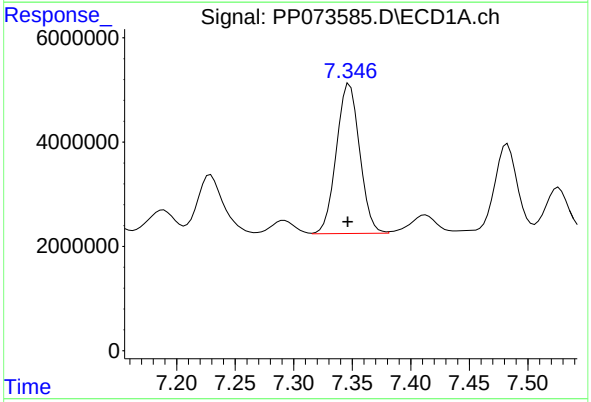
R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 45059626
Conc: 510.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



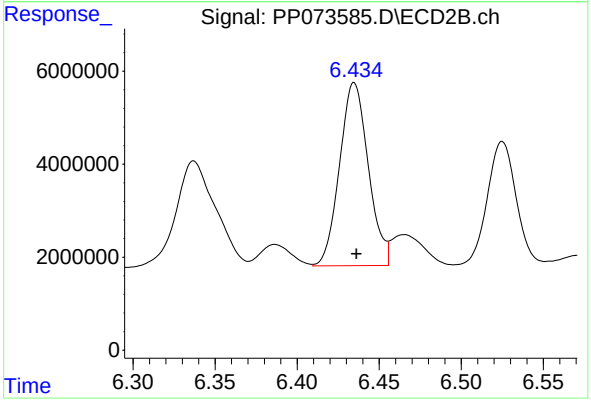
#28 AR-1254-3

R.T.: 6.207 min
Delta R.T.: -0.002 min
Response: 78048221
Conc: 505.34 ng/ml



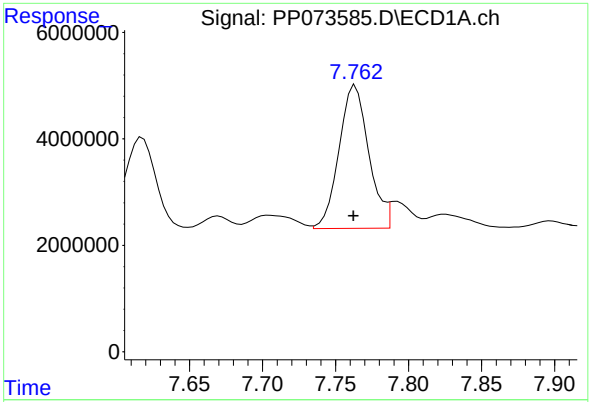
#29 AR-1254-4

R.T.: 7.348 min
Delta R.T.: 0.001 min
Response: 39772060
Conc: 505.57 ng/ml



#29 AR-1254-4

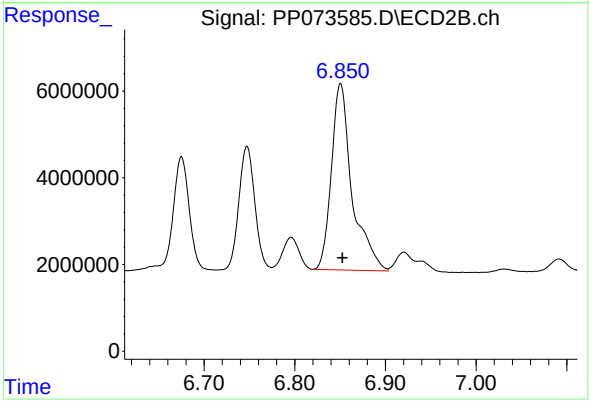
R.T.: 6.435 min
Delta R.T.: -0.001 min
Response: 48017763
Conc: 507.81 ng/ml



#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)

ICAL Form

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

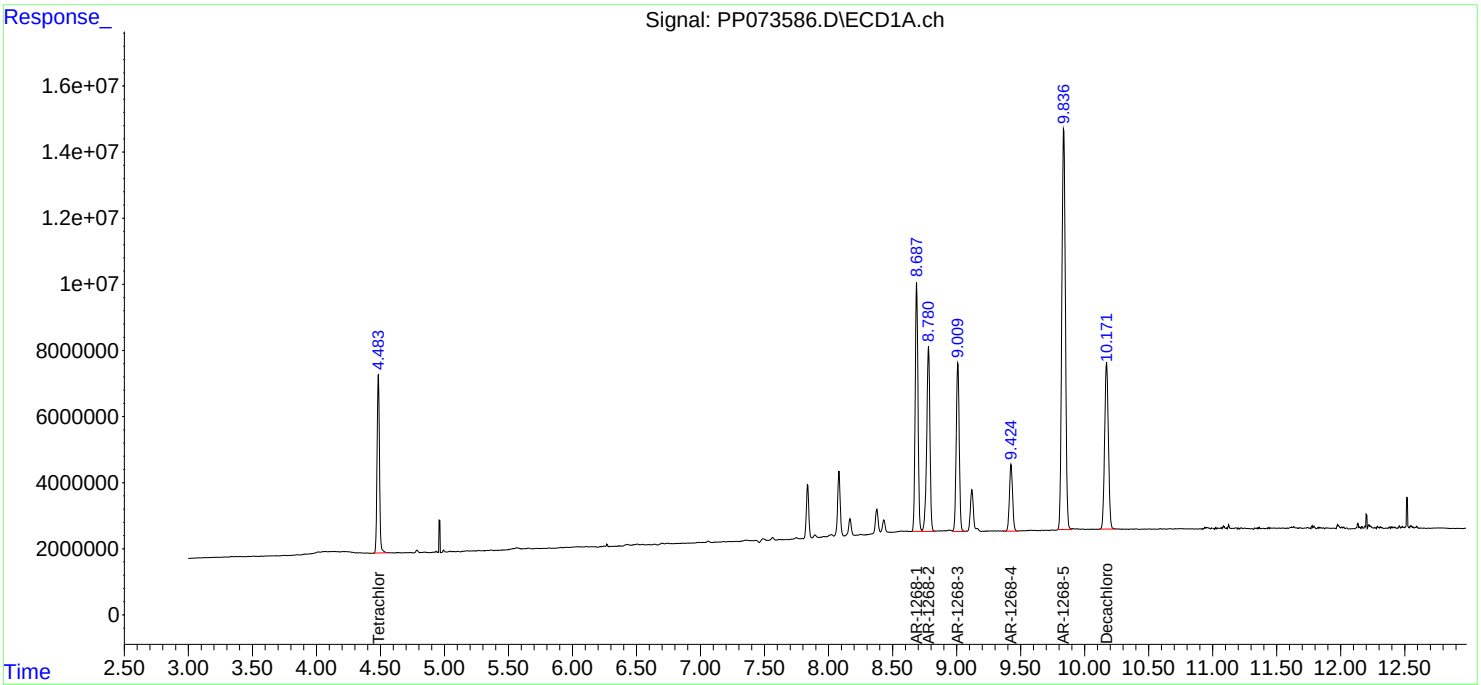
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

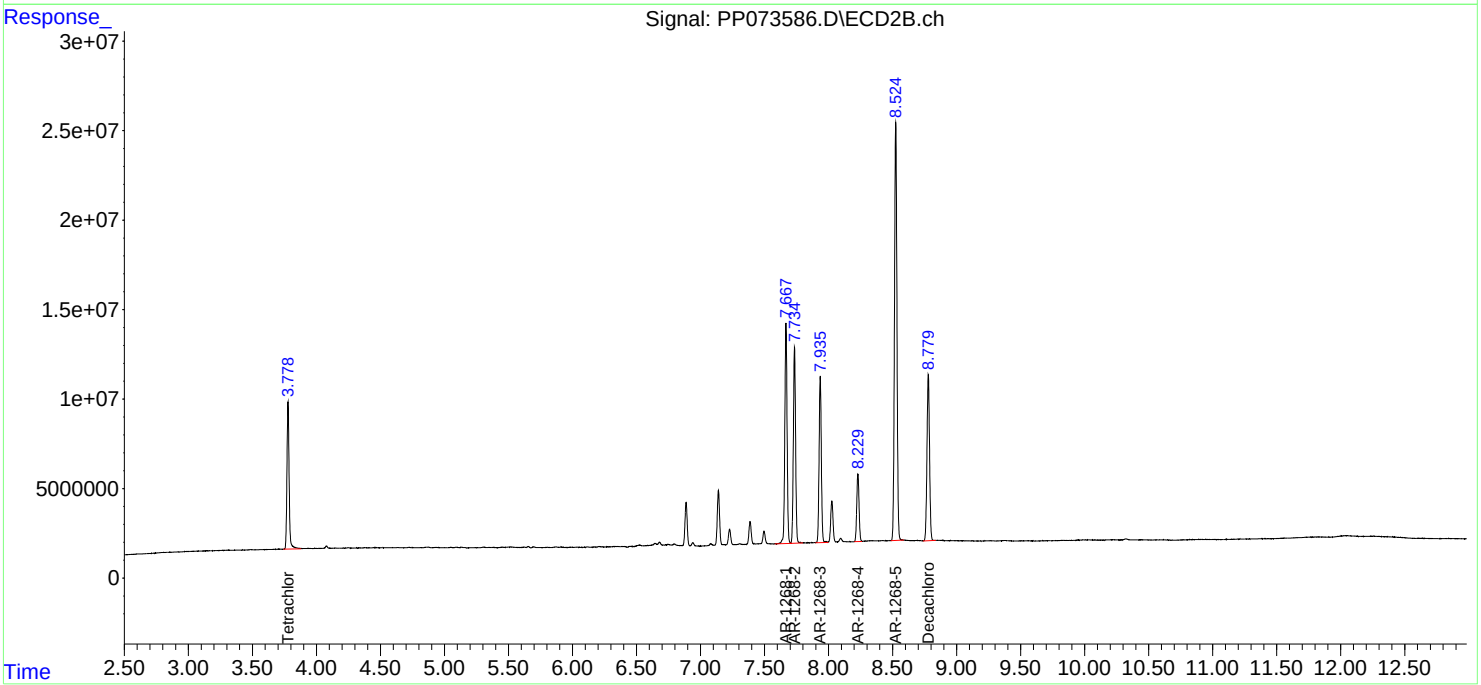
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 06:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

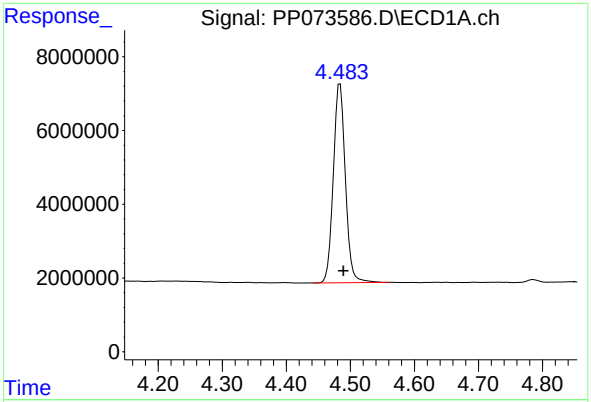
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268

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



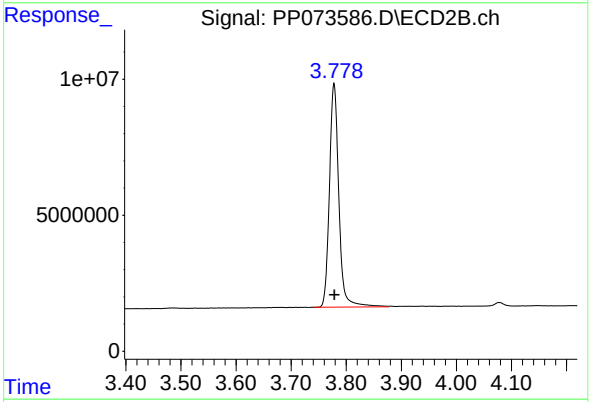




#1 Tetrachloro-m-xylene

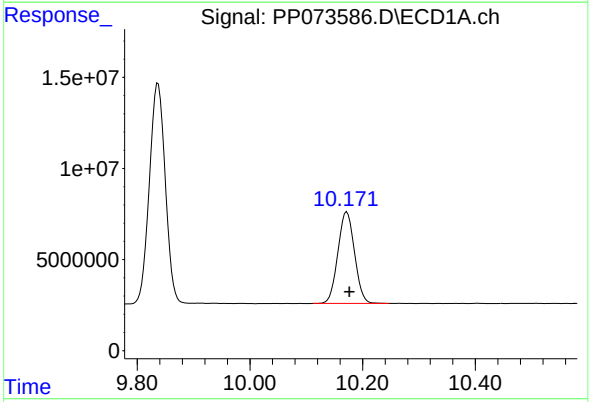
R.T.: 4.484 min
Delta R.T.: -0.005 min
Response: 70596120
Conc: 50.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



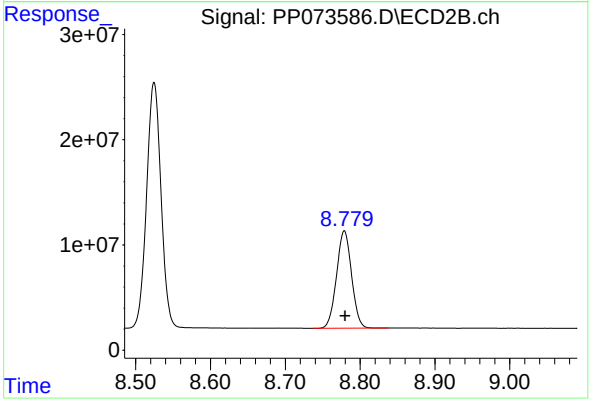
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 97414683
Conc: 50.89 ng/ml



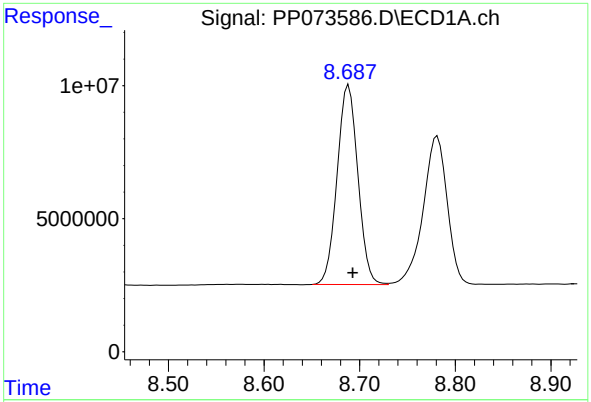
#2 Decachlorobiphenyl

R.T.: 10.172 min
Delta R.T.: -0.005 min
Response: 102995358
Conc: 51.29 ng/ml



#2 Decachlorobiphenyl

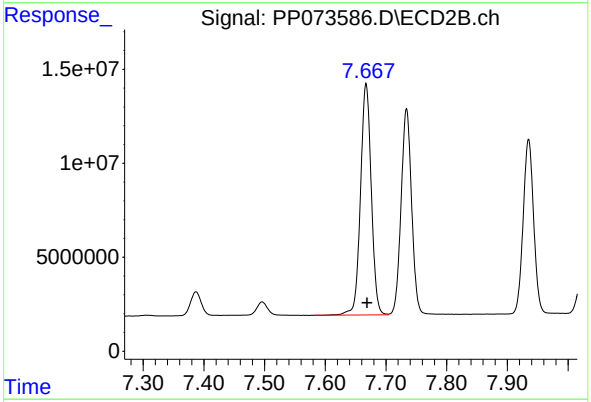
R.T.: 8.779 min
Delta R.T.: -0.001 min
Response: 129091204
Conc: 51.52 ng/ml



#41 AR-1268-1

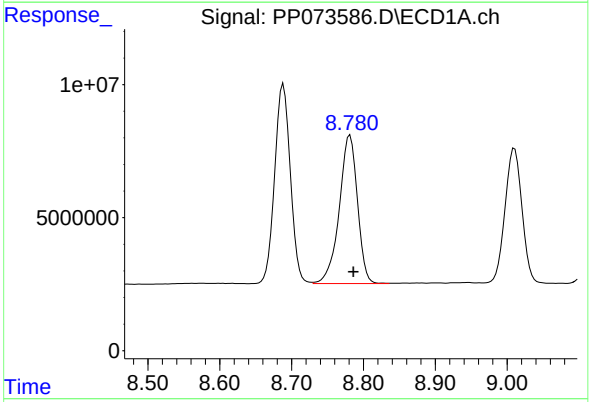
R.T.: 8.689 min
Delta R.T.: -0.004 min
Response: 113435388
Conc: 508.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



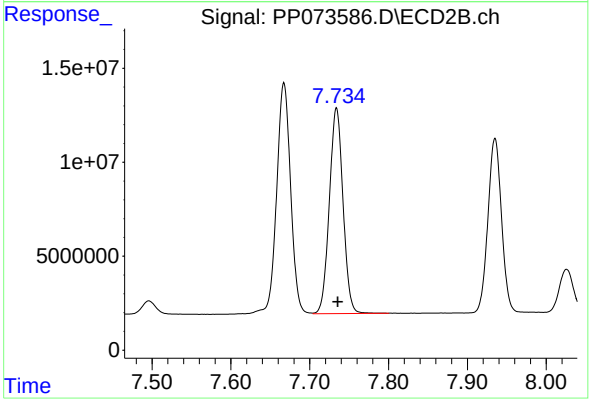
#41 AR-1268-1

R.T.: 7.667 min
Delta R.T.: -0.002 min
Response: 151641353
Conc: 493.34 ng/ml



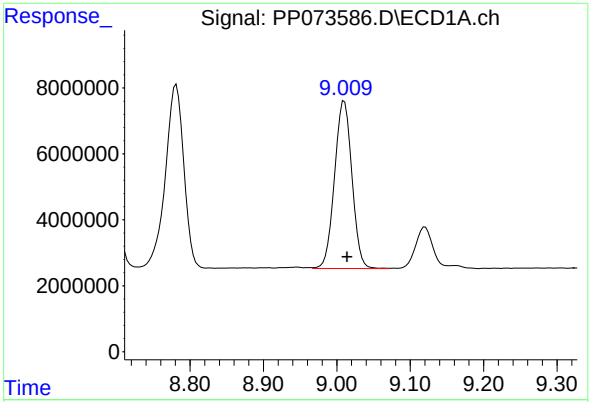
#42 AR-1268-2

R.T.: 8.781 min
Delta R.T.: -0.005 min
Response: 97840395
Conc: 513.58 ng/ml



#42 AR-1268-2

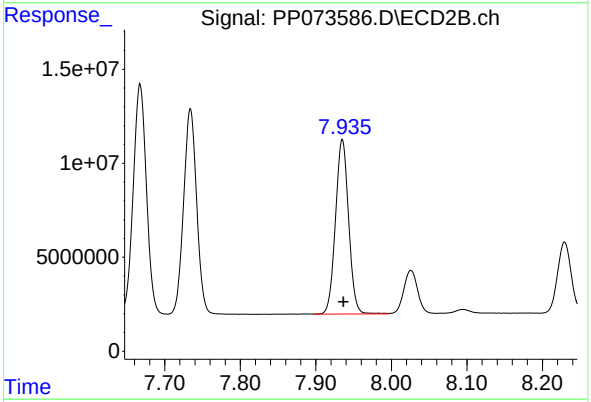
R.T.: 7.734 min
Delta R.T.: -0.001 min
Response: 131765701
Conc: 495.94 ng/ml



#43 AR-1268-3

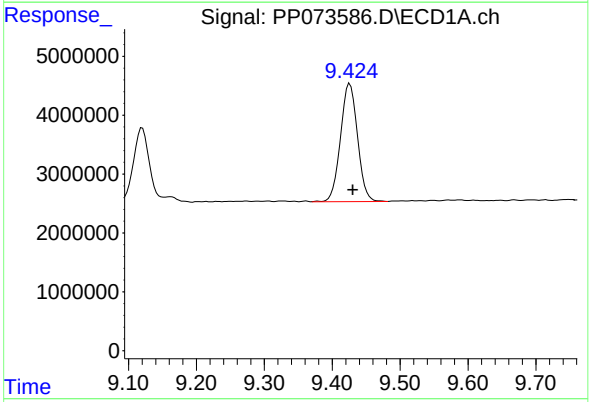
R.T.: 9.010 min
Delta R.T.: -0.004 min
Response: 83760936
Conc: 505.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



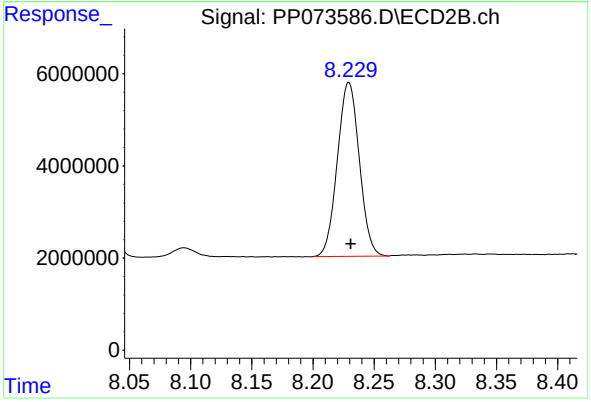
#43 AR-1268-3

R.T.: 7.935 min
Delta R.T.: -0.002 min
Response: 112102210
Conc: 496.95 ng/ml



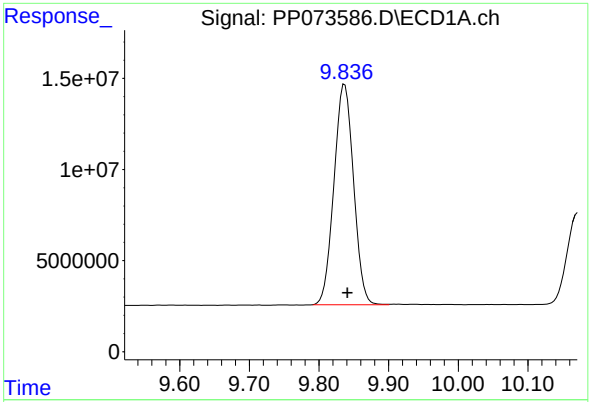
#44 AR-1268-4

R.T.: 9.426 min
Delta R.T.: -0.004 min
Response: 34884334
Conc: 501.62 ng/ml



#44 AR-1268-4

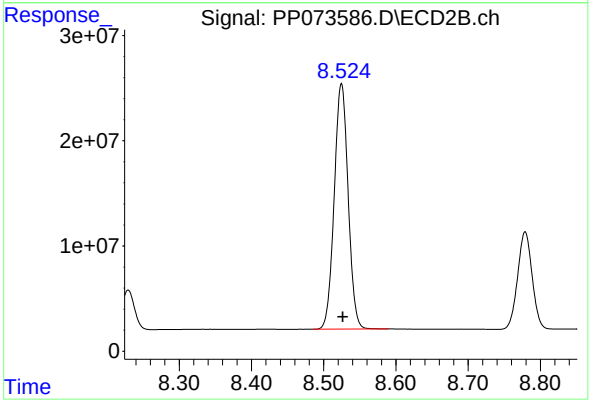
R.T.: 8.229 min
Delta R.T.: -0.002 min
Response: 47107861
Conc: 506.71 ng/ml



#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

Raw Data

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.:** Q2638

Instrument ID: ECD_Q **Calibration Date(s):** 07/23/2025 07/23/2025

Calibration Times: 02:59 09:21

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

LAB FILE ID: RT 1000 = PQ070551.D RT 750 = PQ070552.D

RT 500 = PQ070553.D RT 250 = PQ070554.D RT 050 = PQ070555.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1016-2	(2)	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1016-3	(3)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1016-4	(4)	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1016-5	(5)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1260-1	(1)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Aroclor-1260-2	(2)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1260-3	(3)	6.63	6.63	6.63	6.63	6.63	6.63	6.53	6.73
Aroclor-1260-4	(4)	6.84	6.84	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-5	(5)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1242-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1242-2	(2)	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-3	(3)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1242-4	(4)	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1242-5	(5)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1248-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1248-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1248-3	(3)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1248-4	(4)	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
Aroclor-1248-5	(5)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1254-1	(1)	5.30	5.30	5.30	5.30	5.30	5.30	5.20	5.40
Aroclor-1254-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1254-3	(3)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1254-4	(4)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1254-5	(5)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50

Raw Data

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.:** Q2638

Instrument ID: ECD_Q **Calibration Date(s):** 07/23/2025 07/23/2025

Calibration Times: 02:59 09:21

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

LAB FILE ID: RT 1000 = PQ070551.D RT 750 = PQ070552.D

RT 500 = PQ070553.D RT 250 = PQ070554.D RT 050 = PQ070555.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1016-2	(2)	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1016-3	(3)	3.96	3.96	3.96	3.96	3.96	3.96	3.86	4.06
Aroclor-1016-4	(4)	4.01	4.01	4.01	4.01	4.01	4.01	3.91	4.11
Aroclor-1016-5	(5)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1260-1	(1)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-2	(2)	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
Aroclor-1260-3	(3)	5.52	5.52	5.52	5.52	5.53	5.52	5.42	5.62
Aroclor-1260-4	(4)	5.98	5.98	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1260-5	(5)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Decachlorobiphenyl		7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1242-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-2	(2)	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-3	(3)	3.96	3.96	3.96	3.96	3.96	3.96	3.86	4.06
Aroclor-1242-4	(4)	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Aroclor-1242-5	(5)	4.54	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Decachlorobiphenyl		7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1248-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-2	(2)	4.01	4.01	4.01	4.01	4.01	4.01	3.91	4.11
Aroclor-1248-3	(3)	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Aroclor-1248-4	(4)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1248-5	(5)	4.58	4.58	4.58	4.58	4.58	4.58	4.48	4.68
Decachlorobiphenyl		7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1254-1	(1)	4.54	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Aroclor-1254-2	(2)	4.68	4.68	4.68	4.68	4.68	4.68	4.58	4.78
Aroclor-1254-3	(3)	5.06	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1254-4	(4)	5.29	5.29	5.29	5.29	5.29	5.29	5.19	5.39
Aroclor-1254-5	(5)	5.69	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Decachlorobiphenyl		7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Instrument ID: ECD_Q **Calibration Date(s):** 07/23/2025 07/23/2025

Calibration Times: 02:59 09:21

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

LAB FILE ID: **CF 1000 =** PQ070551.D **CF 750 =** PQ070552.D

CF 500 = PQ070553.D **CF 250 =** PQ070554.D **CF 050 =** PQ070555.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	248235634	288462041	251575046	259319972	335964340	276711407	13
Aroclor-1016-2	(2)	387041255	450749285	383727892	407931516	498834860	425656962	11
Aroclor-1016-3	(3)	237230475	277332580	240405284	253646452	316804100	265083778	12
Aroclor-1016-4	(4)	195827570	228879569	196872080	206707664	254009460	216459269	11
Aroclor-1016-5	(5)	190259041	225107192	194301966	203455724	256346640	213894113	13
Aroclor-1260-1	(1)	323556261	384398229	325080870	345614732	439430840	363616186	13
Aroclor-1260-2	(2)	380169221	447473156	380437468	406161280	512175220	425283269	13
Aroclor-1260-3	(3)	283558760	341454909	286101904	308647288	380329960	320018564	13
Aroclor-1260-4	(4)	312217727	361521353	312775352	331555792	415350080	346684061	12
Aroclor-1260-5	(5)	620067994	702829049	613772982	640111256	782955620	671947380	11
Decachlorobiphenyl		4454616010	4985436680	4586472960	4848844640	5642792400	4903632538	9
Tetrachloro-m-xylene		8436633370	9483033507	8281680760	8327788040	9392659000	8784358935	7
Aroclor-1242-1	(1)	237040632	252190588	262761154	196465108	208291820	231349860	12
Aroclor-1242-2	(2)	366465915	388775896	398603828	300280744	320351560	354895589	12
Aroclor-1242-3	(3)	224665560	240988119	249288762	188653588	194708540	219660914	12
Aroclor-1242-4	(4)	185314637	198956291	205376052	152766156	159538020	180390231	13
Aroclor-1242-5	(5)	187989369	199126211	201931866	155177412	149021080	178649188	14
Decachlorobiphenyl		4827134530	5140859240	5123585200	4487668880	4407793600	4797408290	7
Tetrachloro-m-xylene		9054818110	9399839493	9617040600	7068061960	7449467600	8517845553	14
Aroclor-1248-1	(1)	140769989	176044924	152770528	185077064	188065040	168545509	12
Aroclor-1248-2	(2)	189598632	242962264	208275558	253597020	259029420	230692579	13
Aroclor-1248-3	(3)	226137175	288210208	248310808	294082480	305656880	272479510	12
Aroclor-1248-4	(4)	243567858	303063015	265178762	312989432	314094940	287778801	11
Aroclor-1248-5	(5)	243460233	300617021	261892974	309900592	297134360	282601036	10
Decachlorobiphenyl		4077418610	4569822893	4368039480	4874713360	4737924000	4525583669	7
Tetrachloro-m-xylene		7046693990	8867332280	7460191140	8959430560	8503520200	8167433634	11
Aroclor-1254-1	(1)	244931601	257028039	299758826	350182748	309636920	292307627	15
Aroclor-1254-2	(2)	375915610	391119091	453912216	524119168	421950300	433403277	14
Aroclor-1254-3	(3)	398028348	413210249	467605608	534190656	441172800	450841532	12
Aroclor-1254-4	(4)	275490358	289763351	324289754	365949704	334305820	317959797	11
Aroclor-1254-5	(5)	309533793	327412227	365461662	413954888	340919520	351456418	12
Decachlorobiphenyl		4021235010	4213027827	4504261640	4987917200	4173036600	4379895655	9
Tetrachloro-m-xylene		6889782670	6993949120	8114968240	9115594080	6774140200	7577686862	13

Raw Data

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_Q

Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/23/2025 07/23/2025
Calibration Times: 02:59 09:21

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

LAB FILE ID: CF 1000 = PQ070551.D CF 750 = PQ070552.D
CF 500 = PQ070553.D CF 250 = PQ070554.D CF 050 = PQ070555.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	298766078	344953277	299885354	317012020	408634660	333850278	14
Aroclor-1016-2	(2)	445658163	515836040	444159442	470537788	586431400	492524567	12
Aroclor-1016-3	(3)	245948466	284757137	251229912	261153328	332067400	275031249	13
Aroclor-1016-4	(4)	210396836	246922508	217712204	231296900	299164700	241098630	15
Aroclor-1016-5	(5)	247770142	290559447	253980704	270902856	344950480	281632726	14
Aroclor-1260-1	(1)	453025033	525880900	460526970	482441344	629155180	510205885	14
Aroclor-1260-2	(2)	533159388	618656547	541057240	572510972	747442480	602565325	15
Aroclor-1260-3	(3)	515394968	602730325	517845846	545922736	701506340	576680043	14
Aroclor-1260-4	(4)	417279974	485396243	429939028	459510336	585665120	475558140	14
Aroclor-1260-5	(5)	1022966863	1160438275	1023501880	1027161500	1225619460	1091937596	9
Decachlorobiphenyl		7862559810	8808359960	8136393720	8642238200	10232286400	8736367618	11
Tetrachloro-m-xylene		9563241020	10723038533	9366953020	9484780080	10756415600	9978885651	7
Aroclor-1242-1	(1)	279750975	294121277	310310452	241068800	270487340	279147769	9
Aroclor-1242-2	(2)	416719263	448183767	453769560	354658088	382826840	411231504	10
Aroclor-1242-3	(3)	229956103	245400851	256773690	198027276	221507280	230333040	10
Aroclor-1242-4	(4)	210990417	228894237	239543534	187188300	213099180	215943134	9
Aroclor-1242-5	(5)	267711406	285745385	296843300	237037468	266503960	270768304	8
Decachlorobiphenyl		8342107260	8931030960	8958150800	8059468440	8319917200	8522134932	5
Tetrachloro-m-xylene		10016528680	10536897000	10782451660	8066958880	8707911000	9622149444	12
Aroclor-1248-1	(1)	169221368	212129965	186383090	225987748	239066800	206557794	14
Aroclor-1248-2	(2)	250725051	315820681	277225770	337903896	365963720	309527824	15
Aroclor-1248-3	(3)	243125358	303615968	268785388	324408512	351977920	298382629	15
Aroclor-1248-4	(4)	298975780	372856665	325943614	388505444	412401240	359736549	13
Aroclor-1248-5	(5)	289340439	351929112	316291242	378436252	395697320	346338873	13
Decachlorobiphenyl		7302903530	8105255467	7842242280	8713258080	8733405200	8139412911	7
Tetrachloro-m-xylene		8258599870	10303002347	8719959540	10134006640	10061786400	9495470959	10
Aroclor-1254-1	(1)	424683507	444383707	506635646	592376884	545620600	502740069	14
Aroclor-1254-2	(2)	368624938	389059817	441713570	515543416	449393020	432866952	13
Aroclor-1254-3	(3)	593887531	626298867	697751708	796835612	699955880	682945920	11
Aroclor-1254-4	(4)	360831773	374667247	414383558	468981064	400124280	403797584	10
Aroclor-1254-5	(5)	541932198	568787055	628520750	709202976	592169220	608122440	11
Decachlorobiphenyl		7139517770	7469595013	7951309220	8606743640	8083081600	7850049449	7
Tetrachloro-m-xylene		7897572440	8198495387	9449576060	10677316480	7996023600	8843796793	14

Raw Data

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.:** Q2638

Instrument ID: ECD_Q **Date(s) Analyzed:** 07/23/2025 07/23/2025

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	3.60	3.50	3.70	107720000
		2	3.68	3.58	3.78	79968600
		3	3.75	3.65	3.85	237190000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.74	3.64	3.84	192234000
		2	4.23	4.13	4.33	102887000
		3	4.50	4.40	4.60	183998000
		4	4.65	4.55	4.75	92524800
		5	4.79	4.69	4.89	76360800
Aroclor-1262	500	1	6.84	6.74	6.94	467030000
		2	7.15	7.05	7.25	801858000
		3	7.42	7.32	7.52	531024000
		4	7.50	7.40	7.60	419894000
		5	7.99	7.89	8.09	247548000
Aroclor-1268	500	1	7.42	7.32	7.52	777450000
		2	7.50	7.40	7.60	714978000
		3	7.68	7.58	7.78	590270000
		4	7.99	7.89	8.09	245734000
		5	8.28	8.18	8.38	1726870000

Raw Data

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.:** Q2638

Instrument ID: ECD_Q **Date(s) Analyzed:** 07/23/2025 07/23/2025

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	2.98	2.88	3.08	127869000
		2	3.06	2.96	3.16	99387600
		3	3.12	3.02	3.22	281312000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.12	3.02	3.22	226522000
		2	3.80	3.70	3.90	215034000
		3	3.96	3.86	4.06	117092000
		4	4.04	3.94	4.14	100788000
		5	4.20	4.10	4.30	109734000
Aroclor-1262	500	1	5.74	5.64	5.84	740084000
		2	5.99	5.89	6.09	675084000
		3	6.51	6.41	6.61	514136000
		4	6.57	6.47	6.67	930348000
		5	7.06	6.96	7.16	429938000
Aroclor-1268	500	1	6.51	6.41	6.61	1257150000
		2	6.57	6.47	6.67	1161680000
		3	6.77	6.67	6.87	1003700000
		4	7.06	6.96	7.16	437268000
		5	7.32	7.22	7.42	3015760000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 02:59
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.781	843.7E6	956.3E6	101.871	102.096
2)	SA Decachlor...	8.499	7.539	445.5E6	786.3E6	97.125	96.634
	Target Compounds						
3)	L1 AR-1016-1	4.483	3.781	248.2E6	298.8E6	986.726	996.268
4)	L1 AR-1016-2	4.501	3.797	387.0E6	445.7E6	1008.635	1003.374
5)	L1 AR-1016-3	4.559	3.957	237.2E6	245.9E6	986.794	978.978
6)	L1 AR-1016-4	4.649	4.006	195.8E6	210.4E6	994.694	966.399
7)	L1 AR-1016-5	4.933	4.201	190.3E6	247.8E6	979.193	975.547
31)	L7 AR-1260-1	6.023	5.194	323.6E6	453.0E6	995.310	983.710
32)	L7 AR-1260-2	6.279	5.383	380.2E6	533.2E6	999.295	985.403
33)	L7 AR-1260-3	6.630	5.524	283.6E6	515.4E6	991.111	995.267
34)	L7 AR-1260-4	6.844	5.984	312.2E6	417.3E6	998.217	970.556
35)	L7 AR-1260-5	7.150	6.229	620.1E6	1023.0E6	1010.256	999.477

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

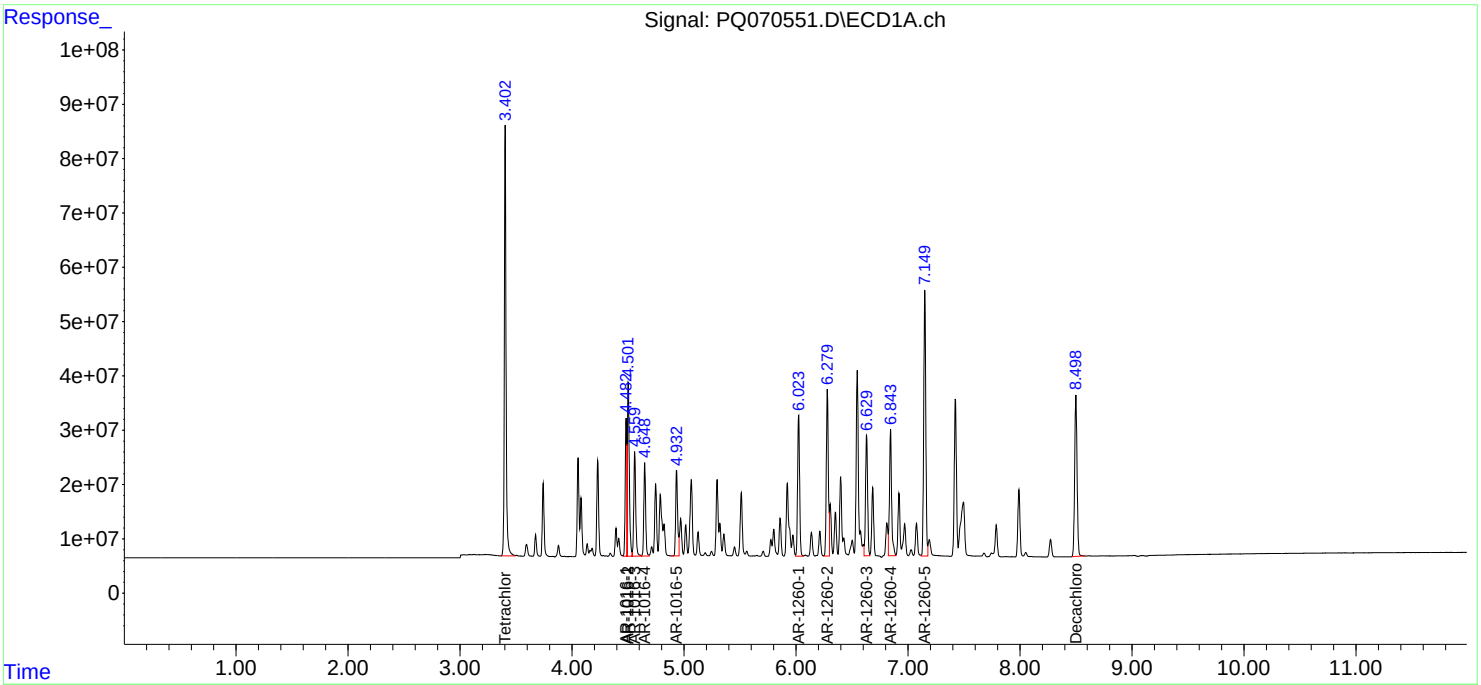
ICAL Form

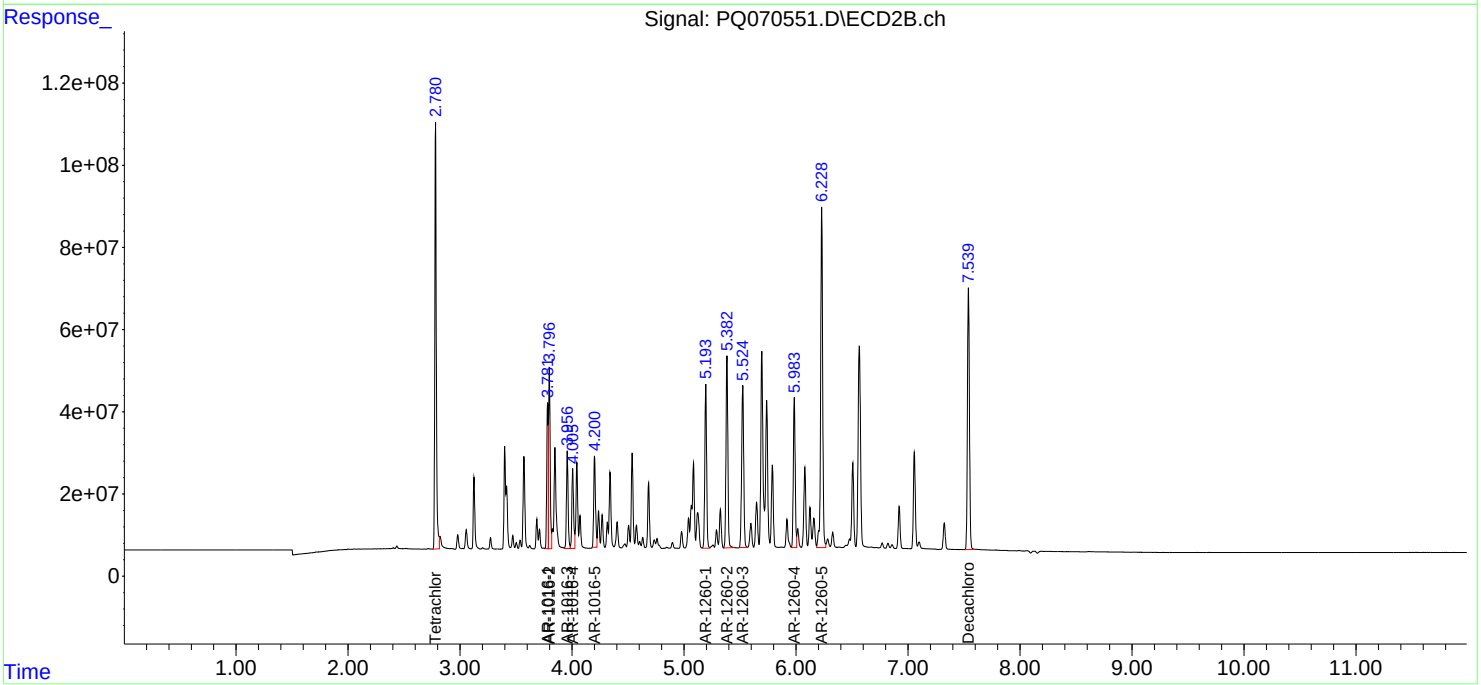
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 02:59
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

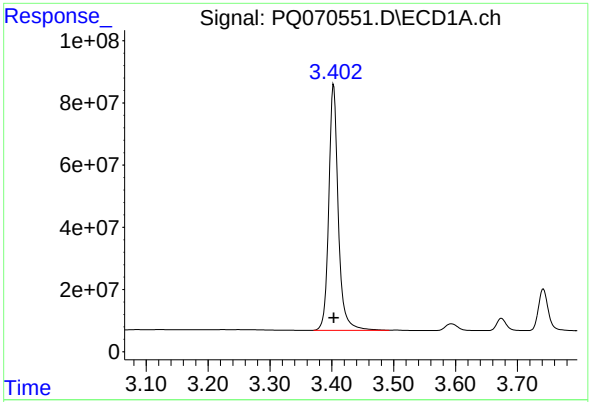
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



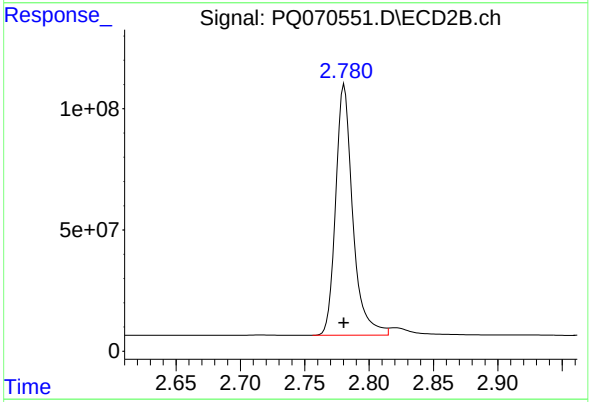




#1 Tetrachloro-m-xylene

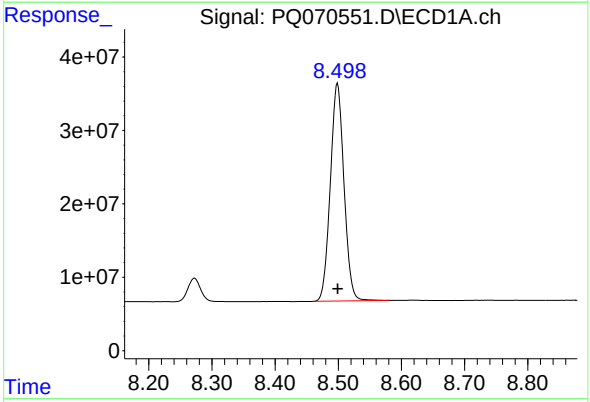
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 843663337
Conc: 101.87 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



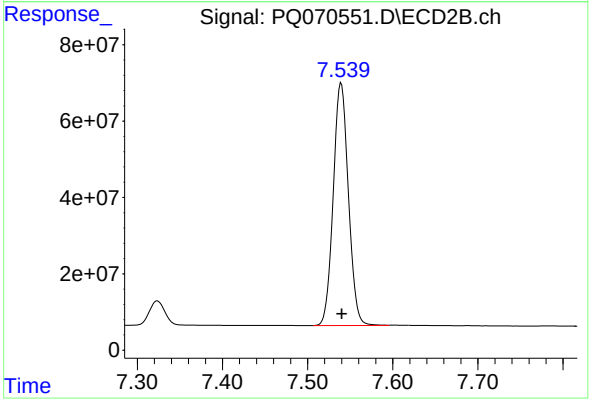
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 956324102
Conc: 102.10 ng/ml



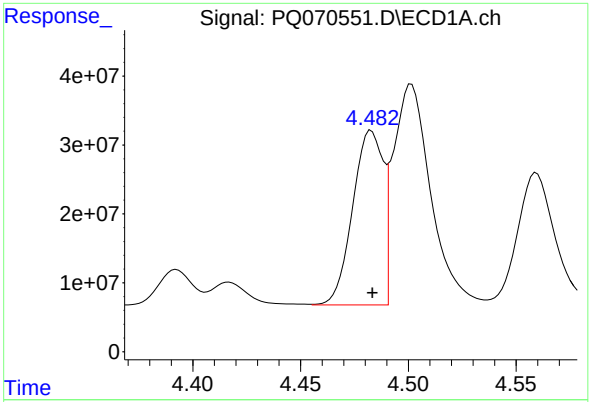
#2 Decachlorobiphenyl

R.T.: 8.499 min
Delta R.T.: 0.000 min
Response: 445461601
Conc: 97.13 ng/ml



#2 Decachlorobiphenyl

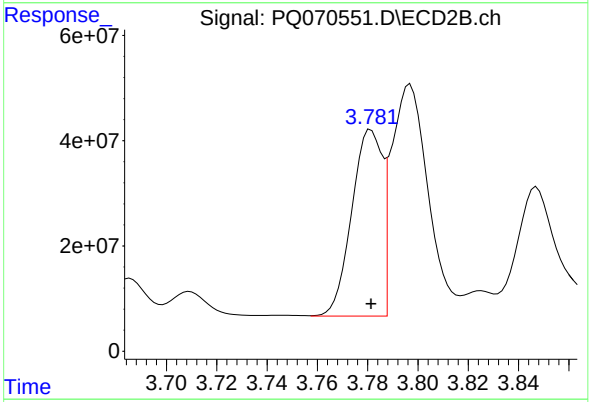
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 786255981
Conc: 96.63 ng/ml



#3 AR-1016-1

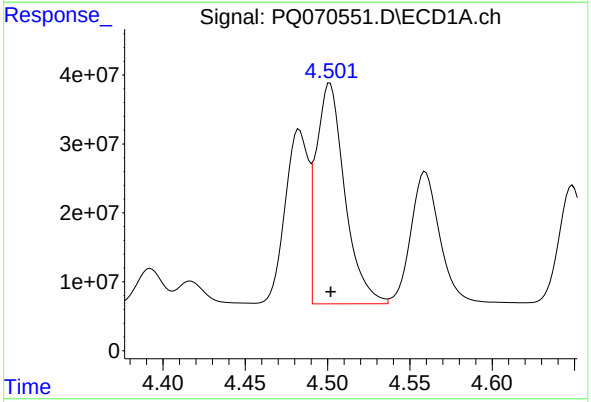
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 248235634
Conc: 986.73 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



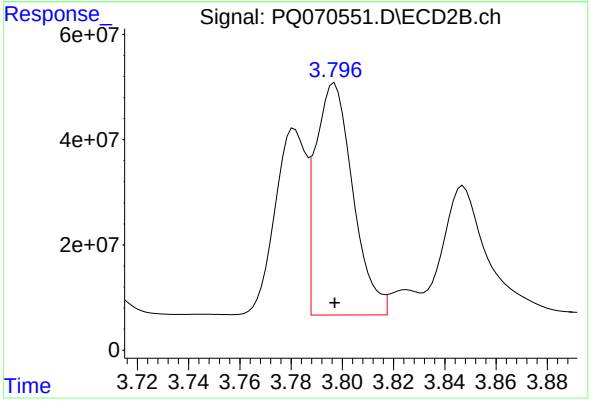
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 298766078
Conc: 996.27 ng/ml



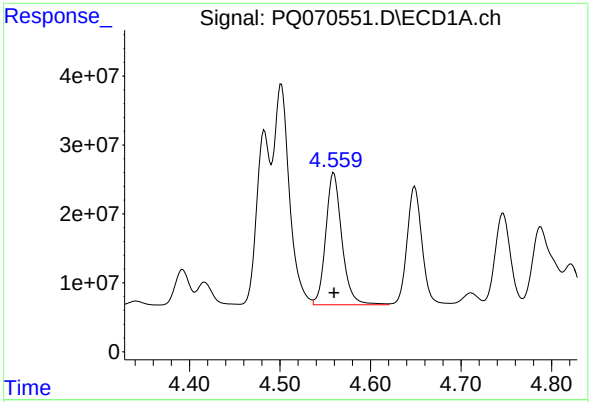
#4 AR-1016-2

R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 387041255
Conc: 1008.63 ng/ml



#4 AR-1016-2

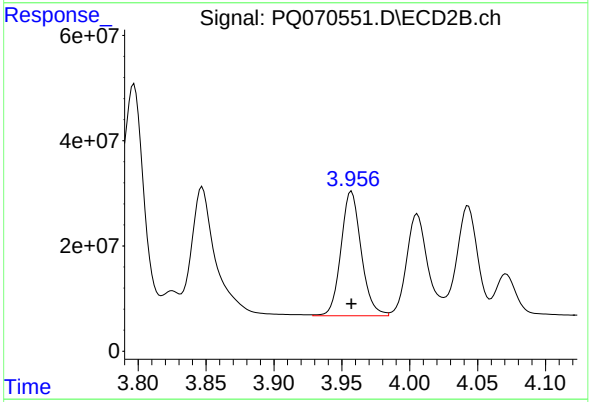
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 445658163
Conc: 1003.37 ng/ml



#5 AR-1016-3

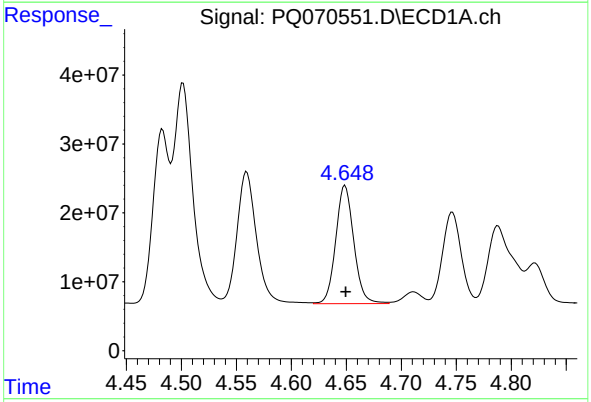
R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 237230475
Conc: 986.79 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



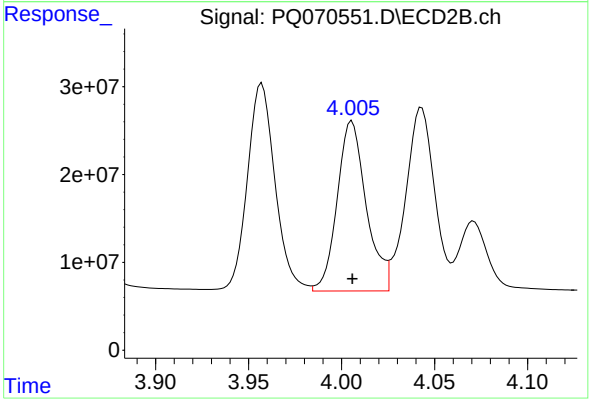
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 245948466
Conc: 978.98 ng/ml



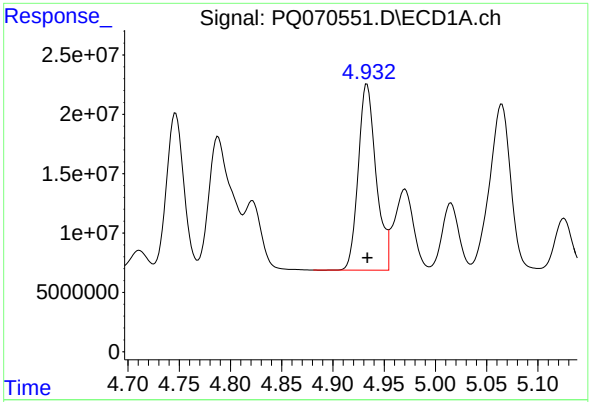
#6 AR-1016-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 195827570
Conc: 994.69 ng/ml



#6 AR-1016-4

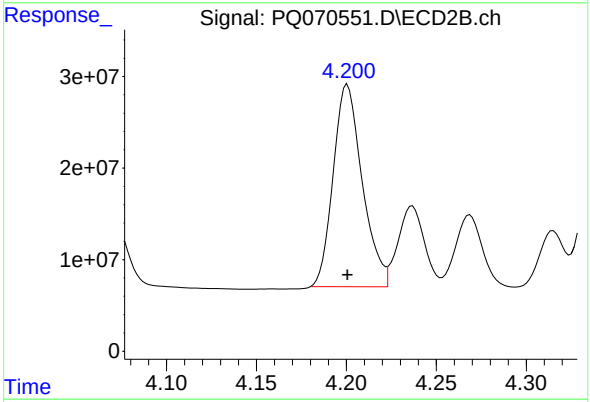
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 210396836
Conc: 966.40 ng/ml



#7 AR-1016-5

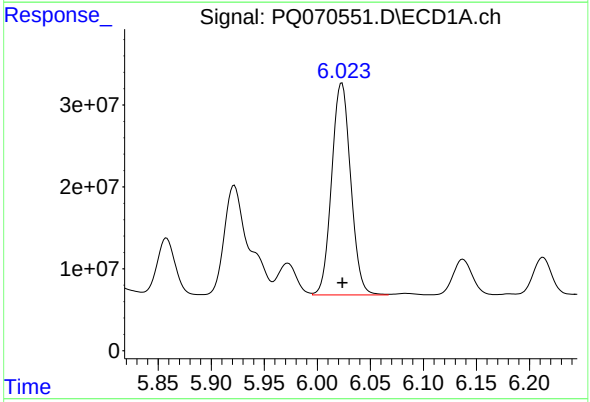
R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 190259041
Conc: 979.19 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



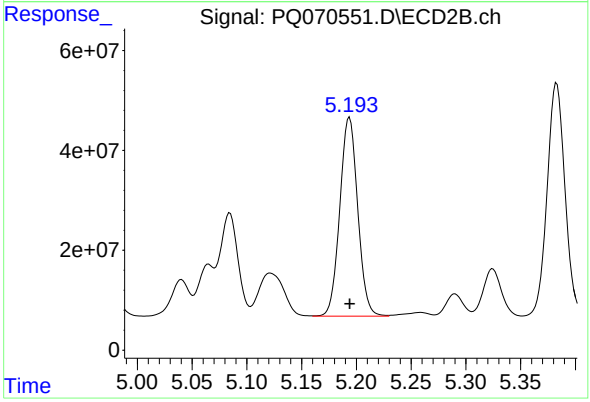
#7 AR-1016-5

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 247770142
Conc: 975.55 ng/ml



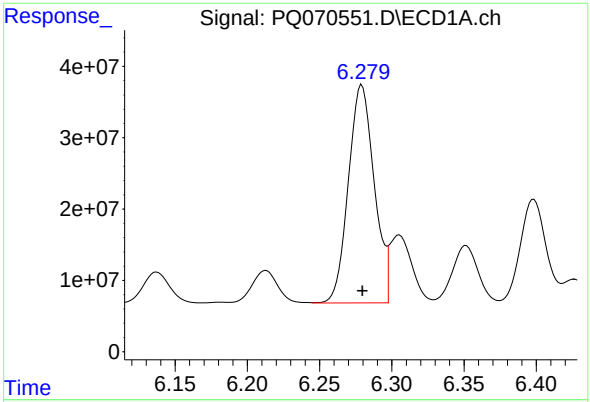
#31 AR-1260-1

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 323556261
Conc: 995.31 ng/ml



#31 AR-1260-1

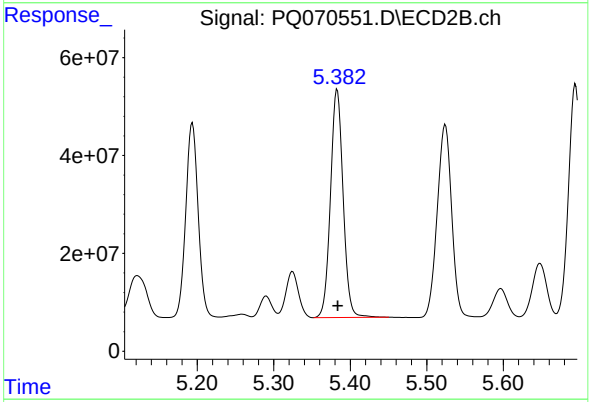
R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 453025033
Conc: 983.71 ng/ml



#32 AR-1260-2

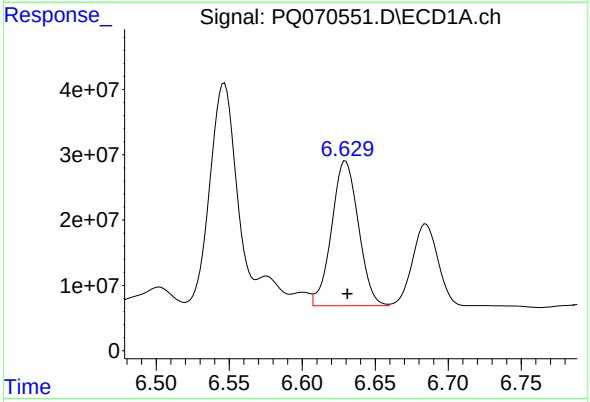
R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 380169221
Conc: 999.29 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



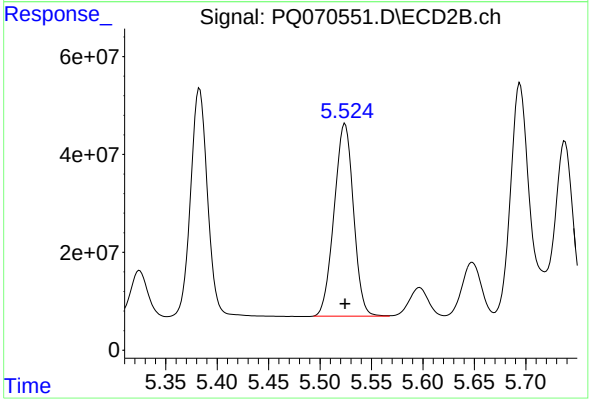
#32 AR-1260-2

R.T.: 5.383 min
Delta R.T.: 0.000 min
Response: 533159388
Conc: 985.40 ng/ml



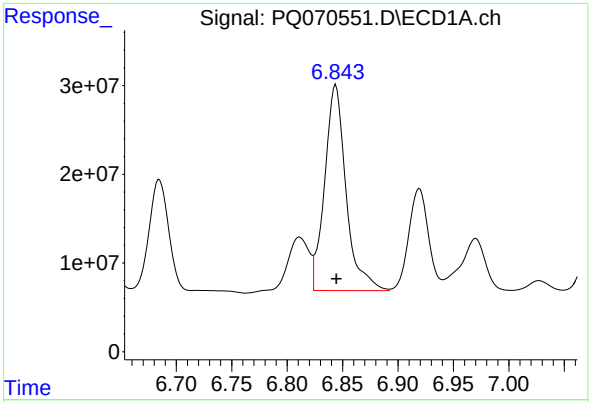
#33 AR-1260-3

R.T.: 6.630 min
Delta R.T.: -0.001 min
Response: 283558760
Conc: 991.11 ng/ml



#33 AR-1260-3

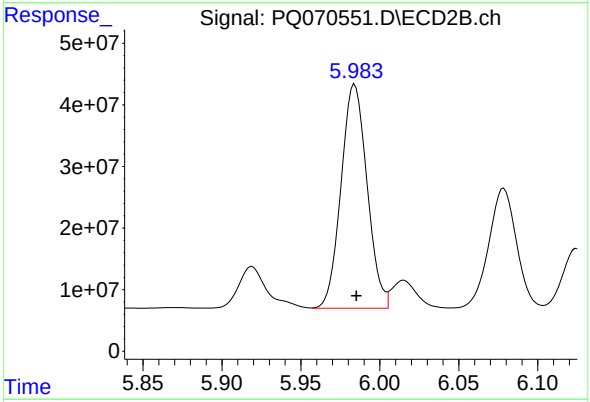
R.T.: 5.524 min
Delta R.T.: 0.000 min
Response: 515394968
Conc: 995.27 ng/ml



#34 AR-1260-4

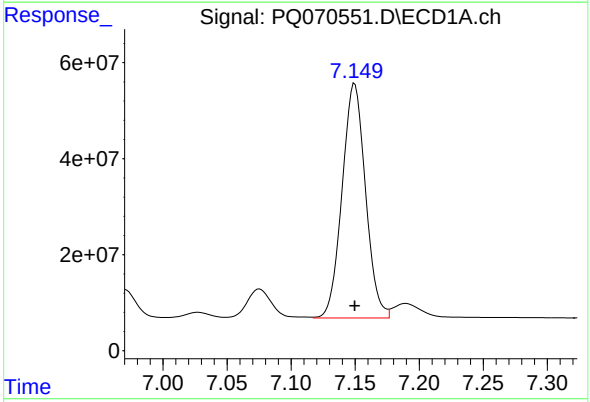
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 312217727
Conc: 998.22 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



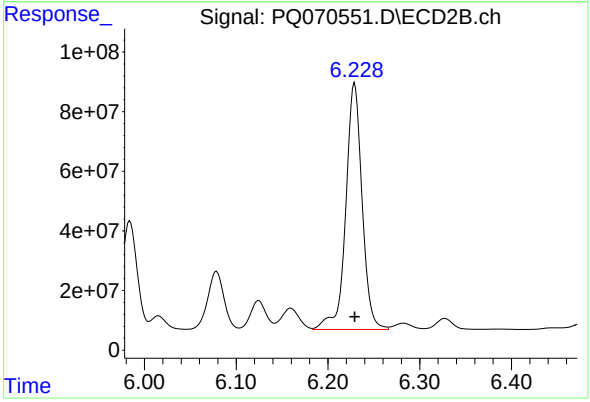
#34 AR-1260-4

R.T.: 5.984 min
Delta R.T.: 0.000 min
Response: 417279974
Conc: 970.56 ng/ml



#35 AR-1260-5

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 620067994
Conc: 1010.26 ng/ml



#35 AR-1260-5

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 1022966863
Conc: 999.48 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:13
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	711.2E6	804.2E6	85.880	85.858
2)	SA Decachlor...	8.500	7.540	373.9E6	660.6E6	81.524	81.194
	Target Compounds						
3)	L1 AR-1016-1	4.483	3.781	216.3E6	258.7E6	859.968	862.713
4)	L1 AR-1016-2	4.502	3.797	338.1E6	386.9E6	880.994	871.032
5)	L1 AR-1016-3	4.560	3.957	208.0E6	213.6E6	865.203	850.089
6)	L1 AR-1016-4	4.649	4.005	171.7E6	185.2E6	871.935	850.627
7)	L1 AR-1016-5	4.934	4.201	168.8E6	217.9E6	868.907	858.016
31)	L7 AR-1260-1	6.024	5.194	288.3E6	394.4E6	886.852	856.433
32)	L7 AR-1260-2	6.280	5.383	335.6E6	464.0E6	882.155	857.566
33)	L7 AR-1260-3	6.631	5.524	256.1E6	452.0E6	895.105	872.939
34)	L7 AR-1260-4	6.844	5.984	271.1E6	364.0E6	866.887	846.741
35)	L7 AR-1260-5	7.149	6.229	527.1E6	870.3E6	858.822	850.344

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

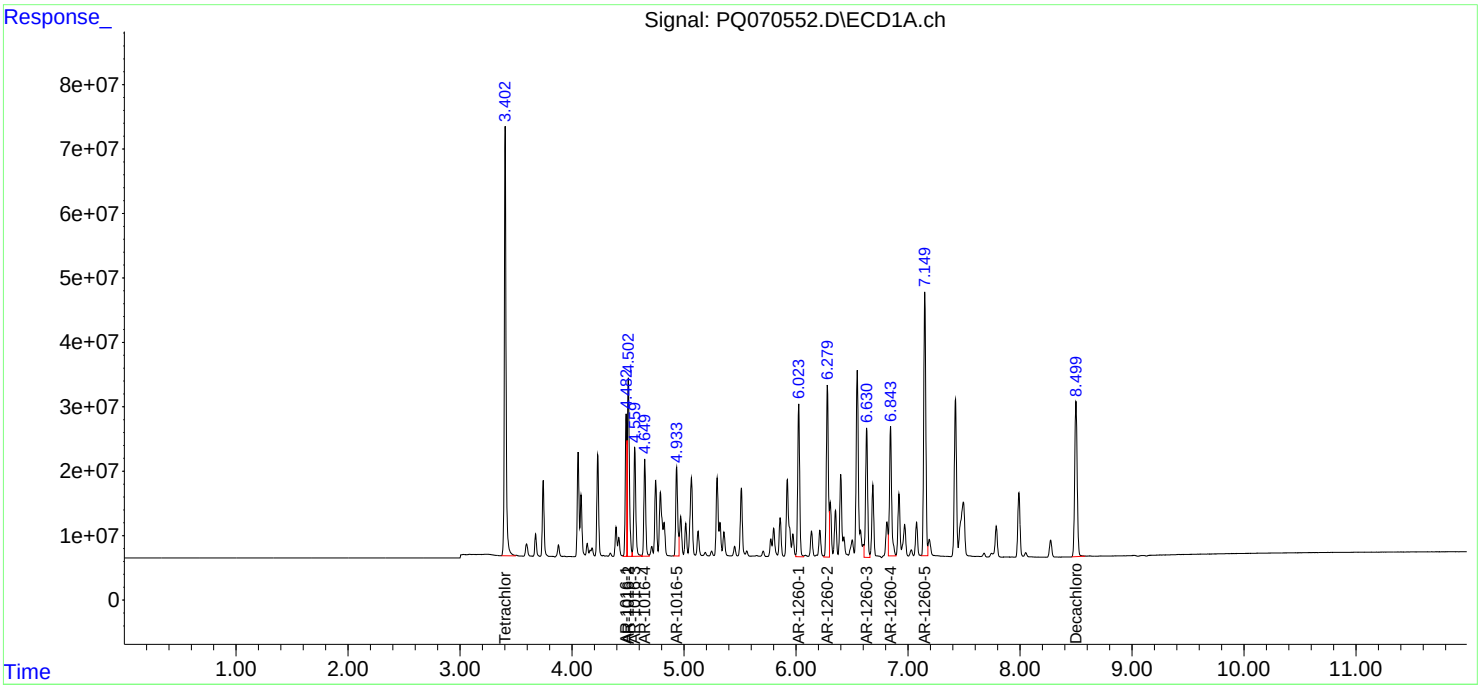
ICAL Form

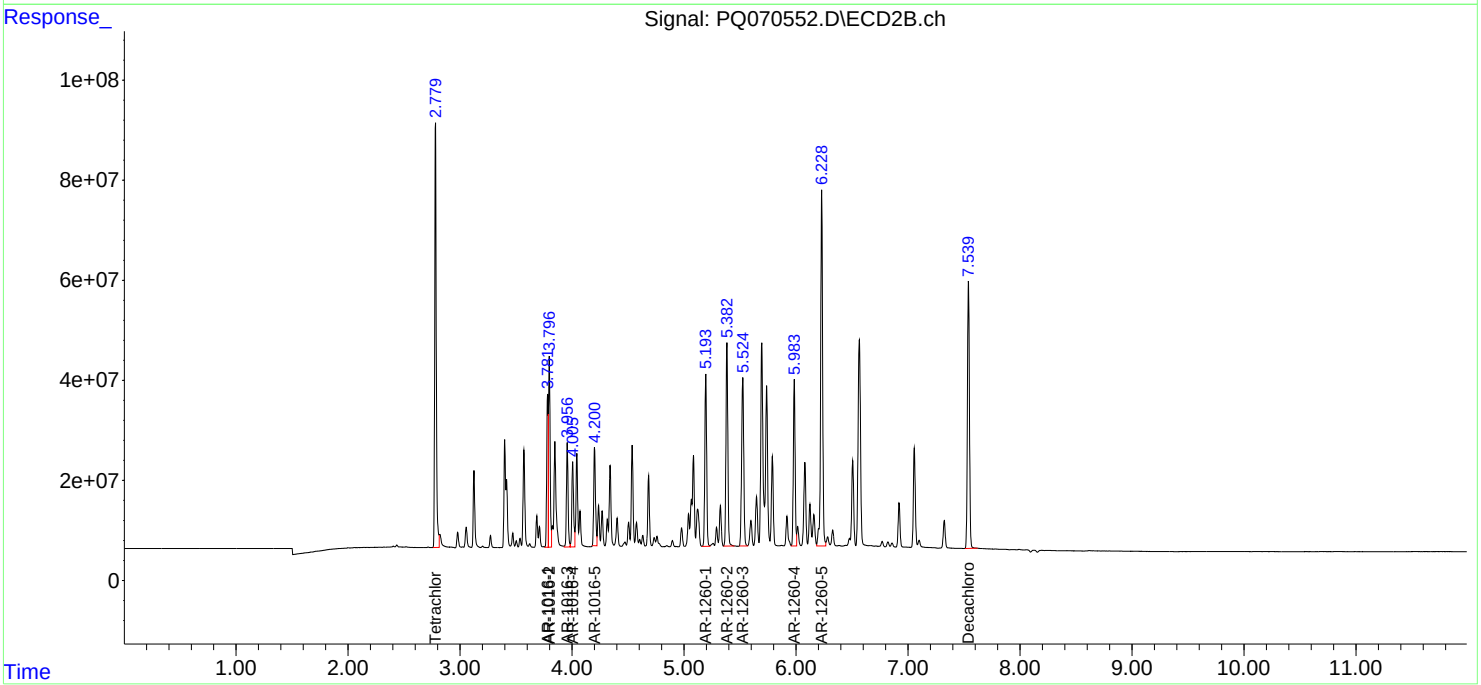
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:13
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

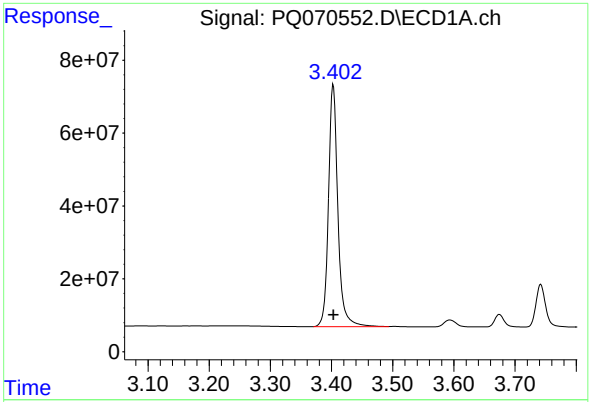
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



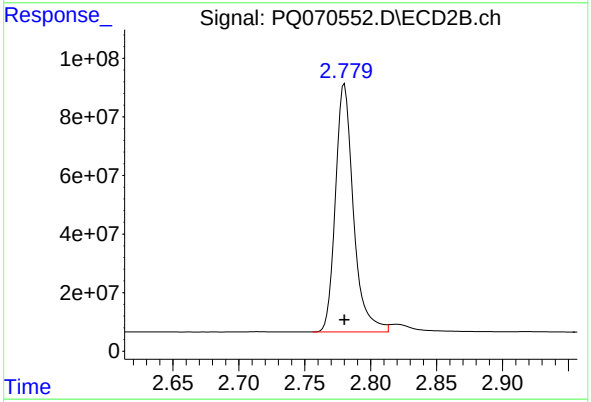




#1 Tetrachloro-m-xylene

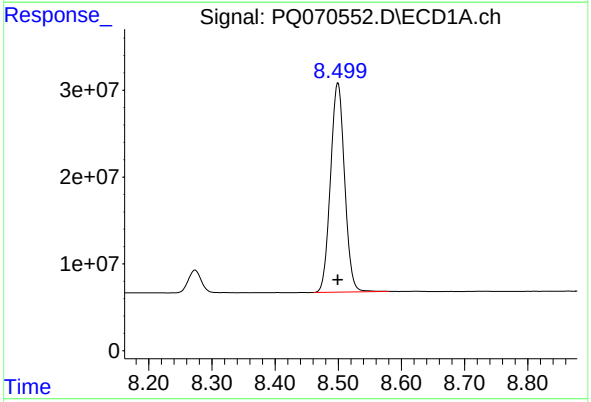
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 711227513
Conc: 85.88 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



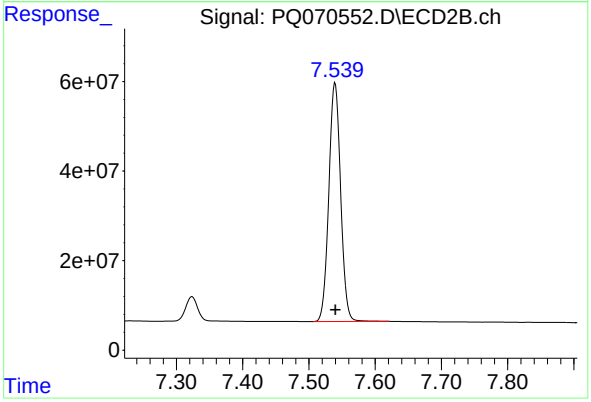
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 804227890
Conc: 85.86 ng/ml



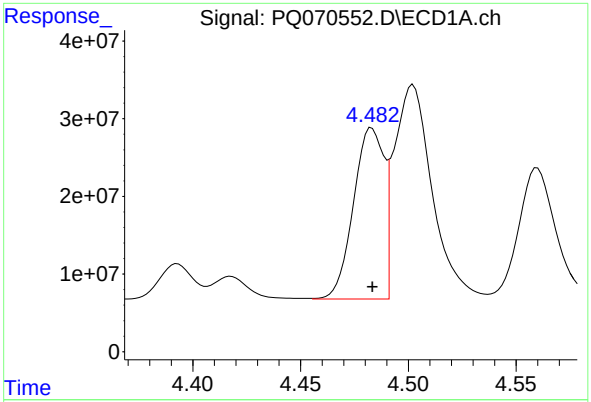
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 373907751
Conc: 81.52 ng/ml



#2 Decachlorobiphenyl

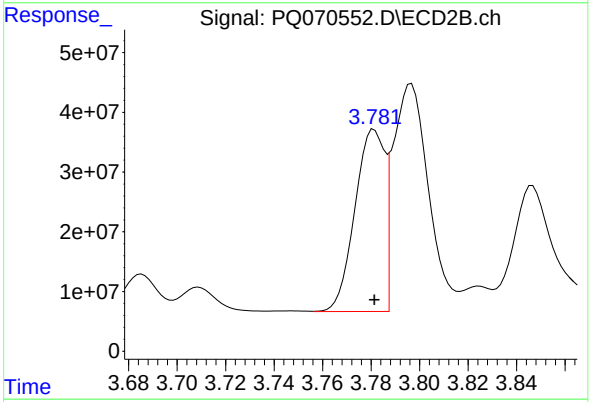
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 660626997
Conc: 81.19 ng/ml



#3 AR-1016-1

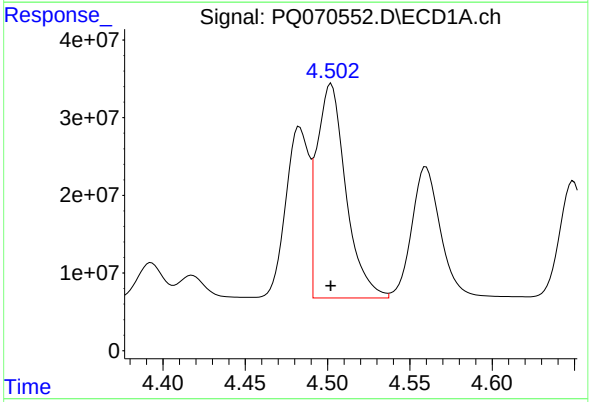
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 216346531
Conc: 859.97 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



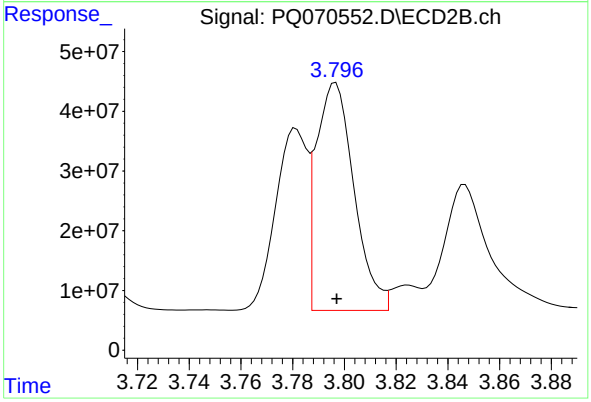
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 258714958
Conc: 862.71 ng/ml



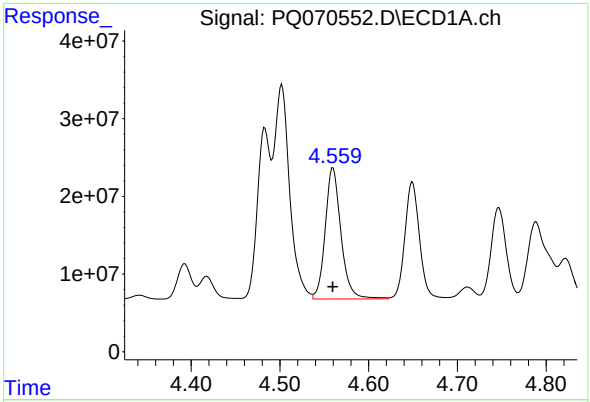
#4 AR-1016-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 338061964
Conc: 880.99 ng/ml



#4 AR-1016-2

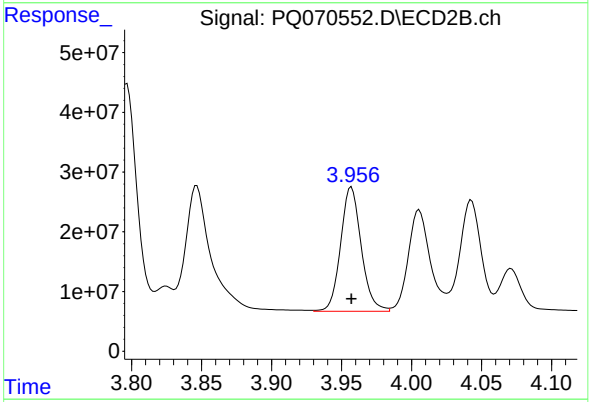
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 386877030
Conc: 871.03 ng/ml



#5 AR-1016-3

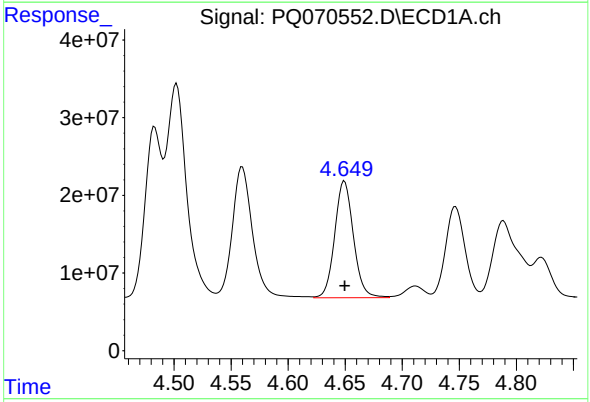
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 207999435
Conc: 865.20 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



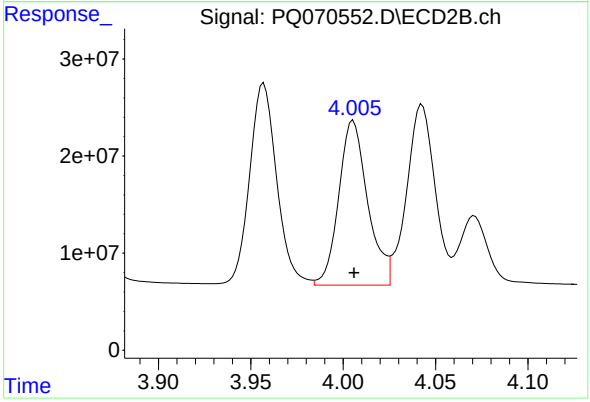
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 213567853
Conc: 850.09 ng/ml



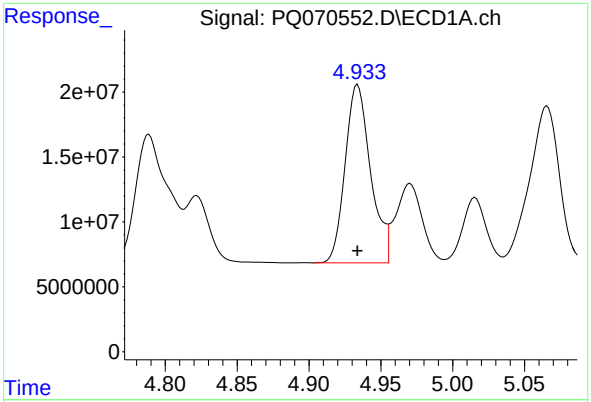
#6 AR-1016-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 171659677
Conc: 871.94 ng/ml



#6 AR-1016-4

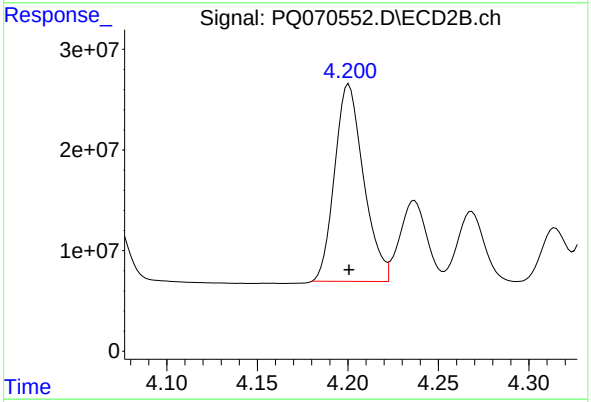
R.T.: 4.005 min
Delta R.T.: 0.000 min
Response: 185191881
Conc: 850.63 ng/ml



#7 AR-1016-5

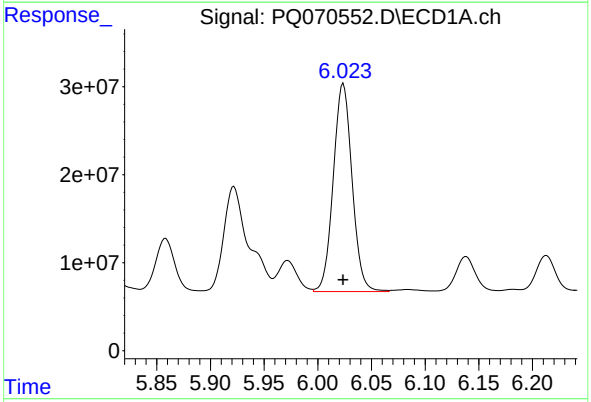
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 168830394
Conc: 868.91 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



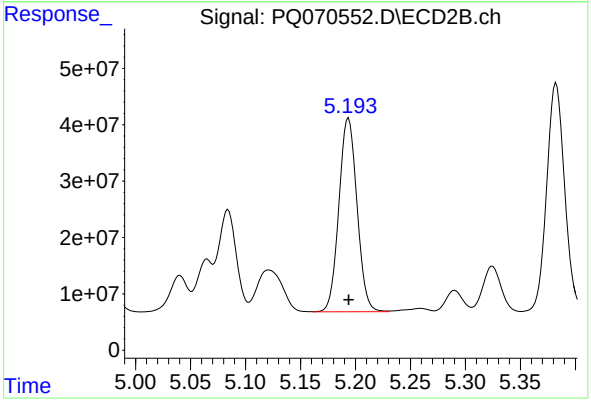
#7 AR-1016-5

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 217919585
Conc: 858.02 ng/ml



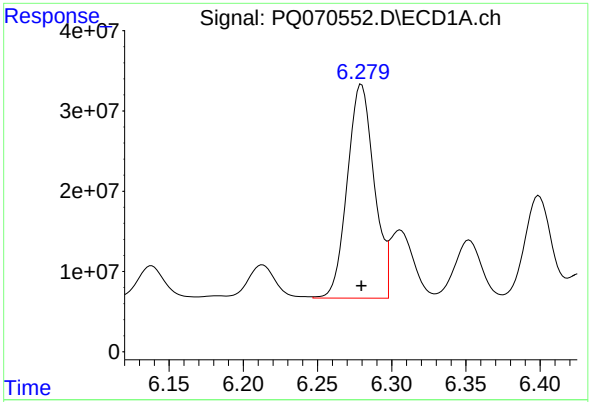
#31 AR-1260-1

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 288298672
Conc: 886.85 ng/ml



#31 AR-1260-1

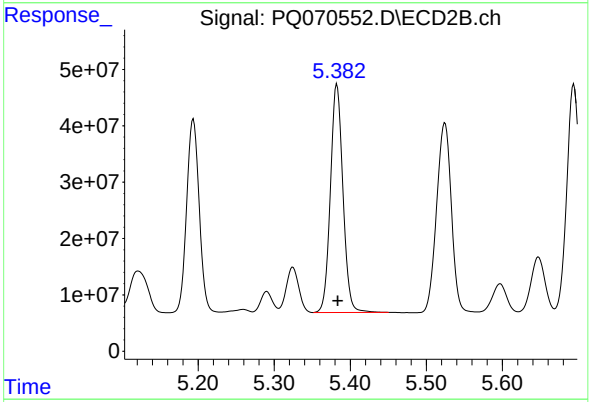
R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 394410675
Conc: 856.43 ng/ml



#32 AR-1260-2

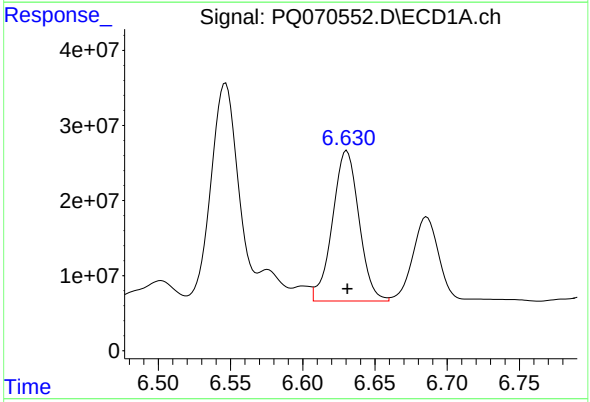
R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 335604867
Conc: 882.16 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



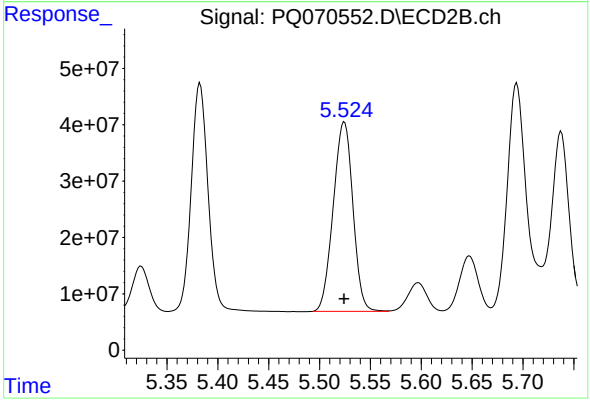
#32 AR-1260-2

R.T.: 5.383 min
Delta R.T.: -0.001 min
Response: 463992410
Conc: 857.57 ng/ml



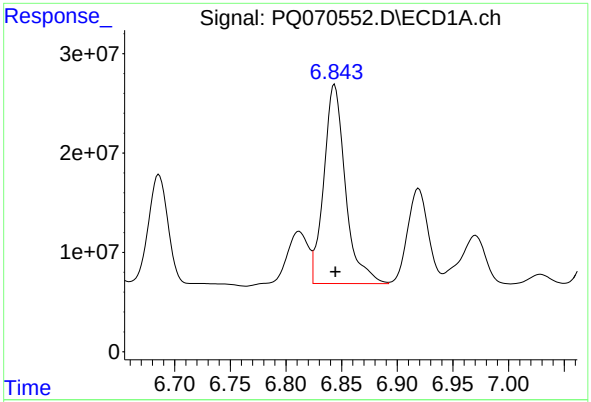
#33 AR-1260-3

R.T.: 6.631 min
Delta R.T.: 0.000 min
Response: 256091182
Conc: 895.10 ng/ml



#33 AR-1260-3

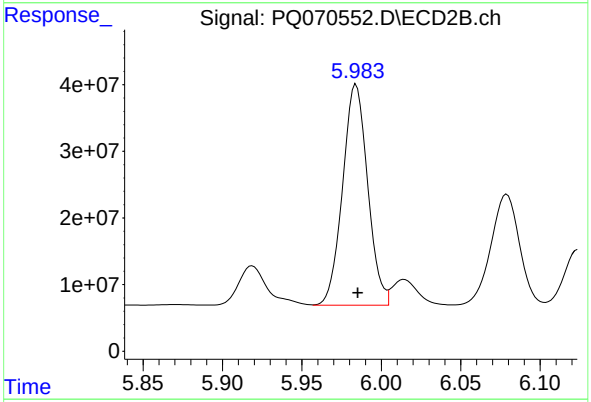
R.T.: 5.524 min
Delta R.T.: 0.000 min
Response: 452047744
Conc: 872.94 ng/ml



#34 AR-1260-4

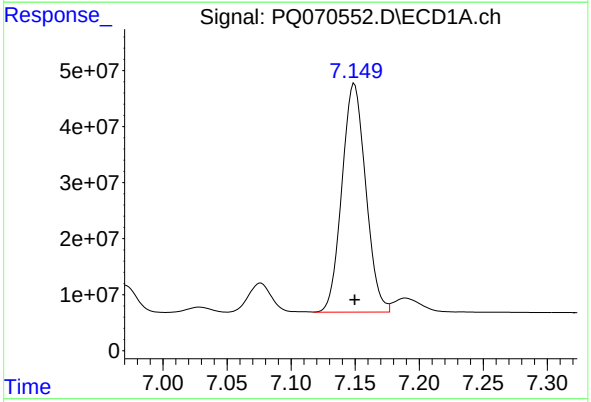
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 271141015
Conc: 866.89 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



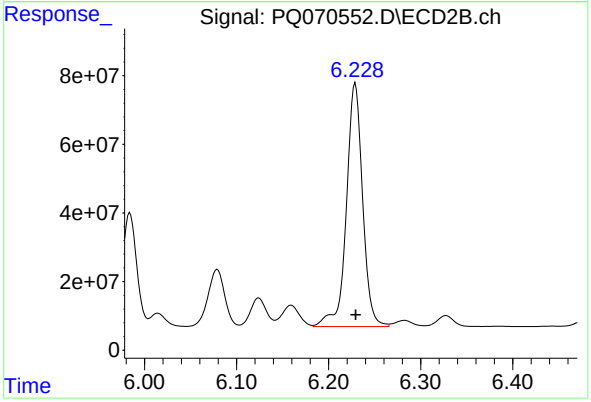
#34 AR-1260-4

R.T.: 5.984 min
Delta R.T.: 0.000 min
Response: 364047182
Conc: 846.74 ng/ml



#35 AR-1260-5

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 527121787
Conc: 858.82 ng/ml



#35 AR-1260-5

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 870328706
Conc: 850.34 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:28
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	414.1E6	468.3E6	50.000	50.000
2)	SA Decachlor...	8.499	7.540	229.3E6	406.8E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	4.483	3.781	125.8E6	149.9E6	500.000	500.000
4)	L1 AR-1016-2	4.502	3.797	191.9E6	222.1E6	500.000	500.000
5)	L1 AR-1016-3	4.560	3.957	120.2E6	125.6E6	500.000	500.000
6)	L1 AR-1016-4	4.650	4.006	98436040	108.9E6	500.000	500.000
7)	L1 AR-1016-5	4.934	4.201	97150983	127.0E6	500.000	500.000
31)	L7 AR-1260-1	6.023	5.194	162.5E6	230.3E6	500.000	500.000
32)	L7 AR-1260-2	6.280	5.384	190.2E6	270.5E6	500.000	500.000
33)	L7 AR-1260-3	6.631	5.524	143.1E6	258.9E6	500.000	500.000
34)	L7 AR-1260-4	6.845	5.985	156.4E6	215.0E6	500.000	500.000
35)	L7 AR-1260-5	7.150	6.229	306.9E6	511.8E6	500.000	500.000

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

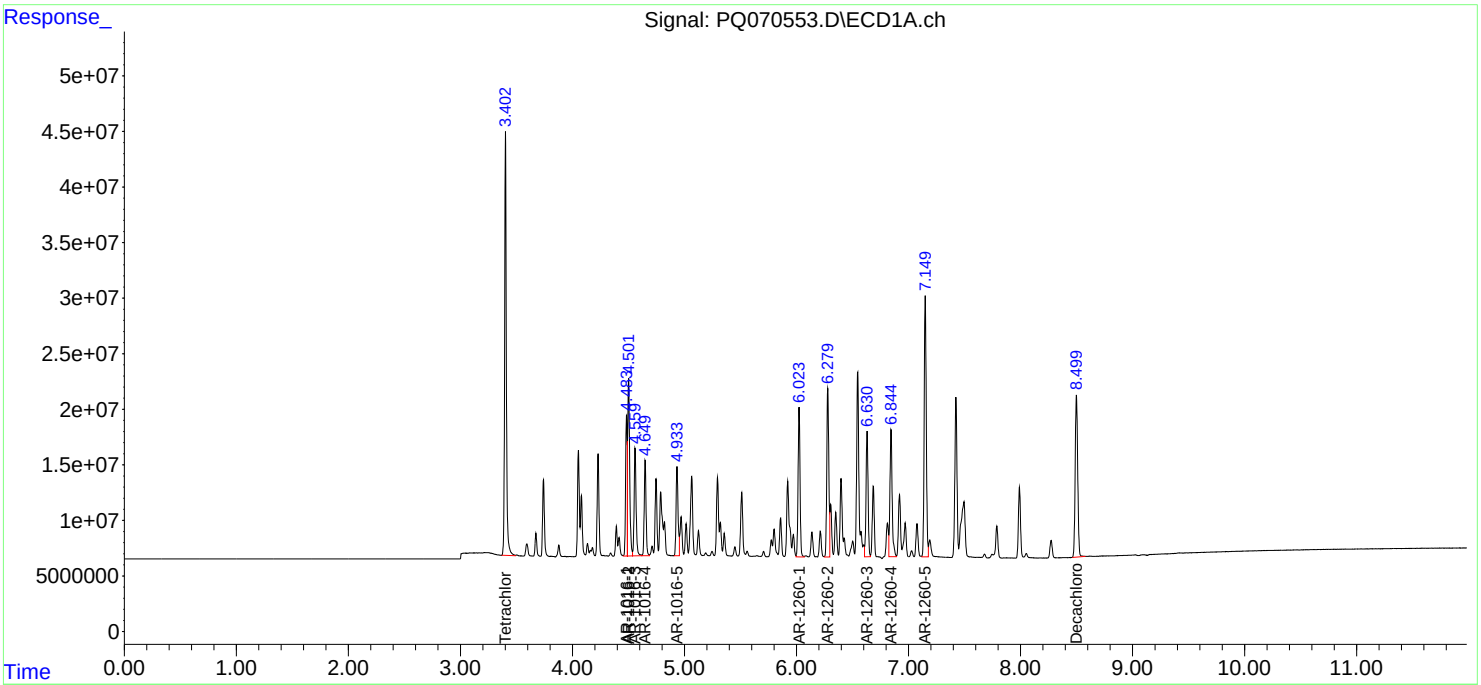
ICAL Form

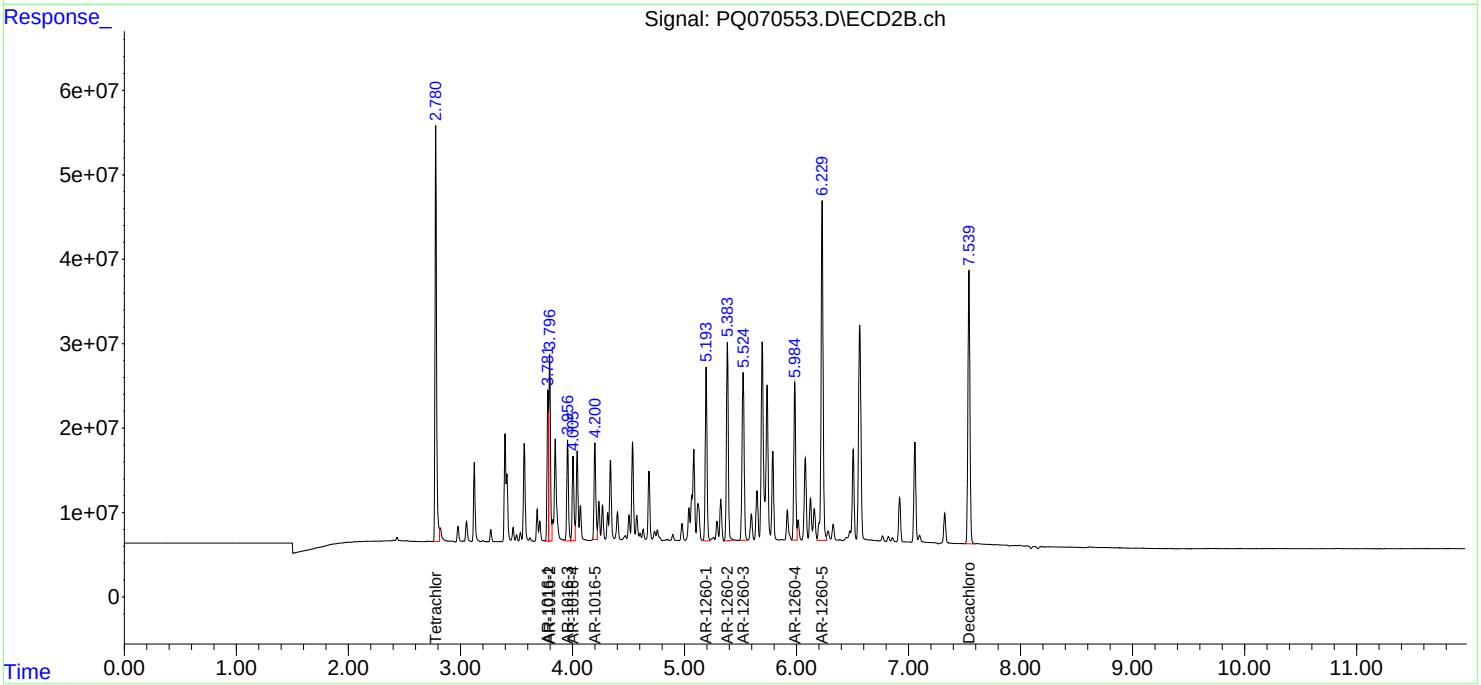
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:28
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

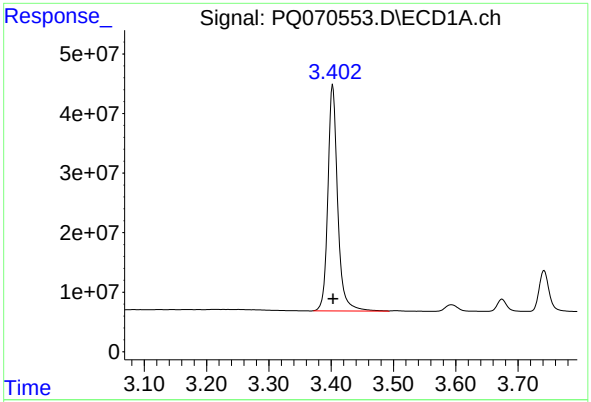
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



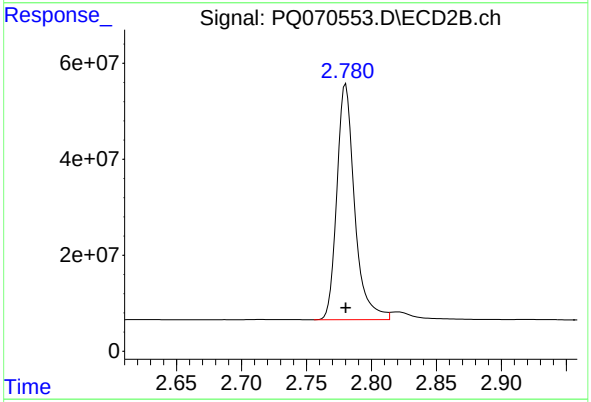




#1 Tetrachloro-m-xylene

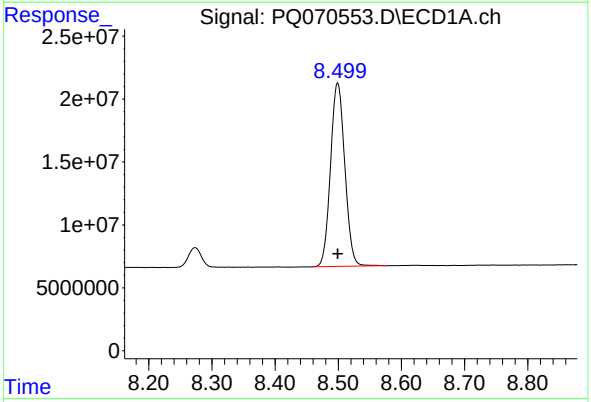
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 414084038
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



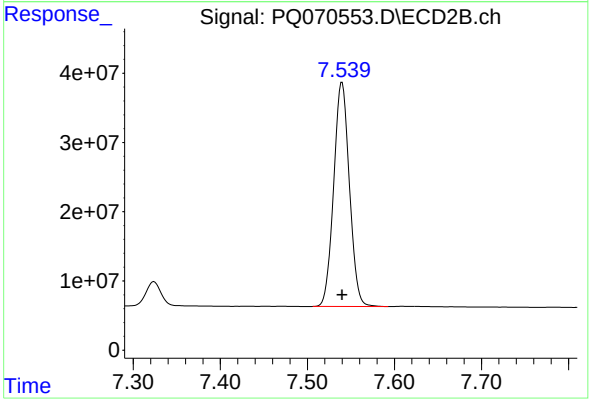
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 468347651
Conc: 50.00 ng/ml



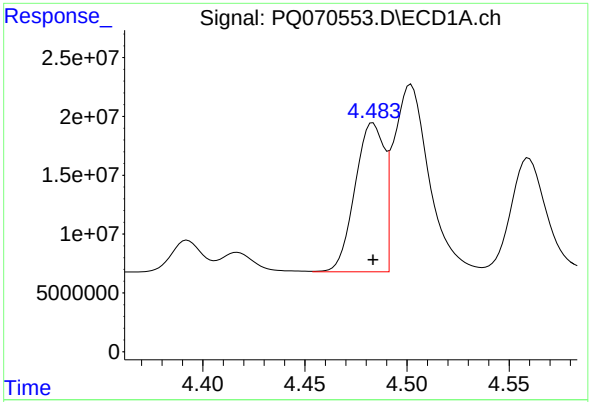
#2 Decachlorobiphenyl

R.T.: 8.499 min
Delta R.T.: 0.000 min
Response: 229323648
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

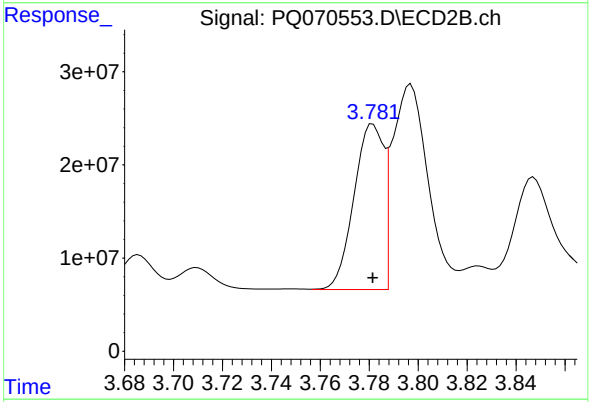
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 406819686
Conc: 50.00 ng/ml



#3 AR-1016-1

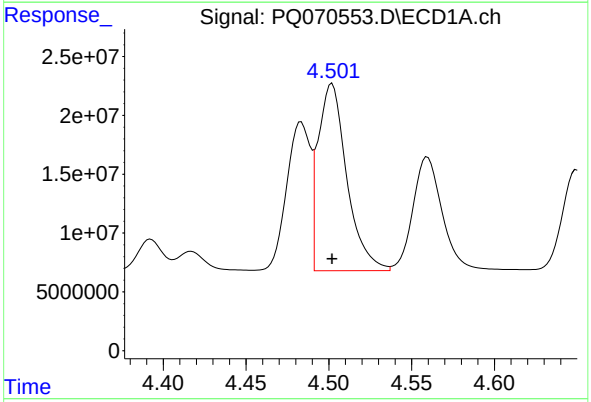
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 125787523
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



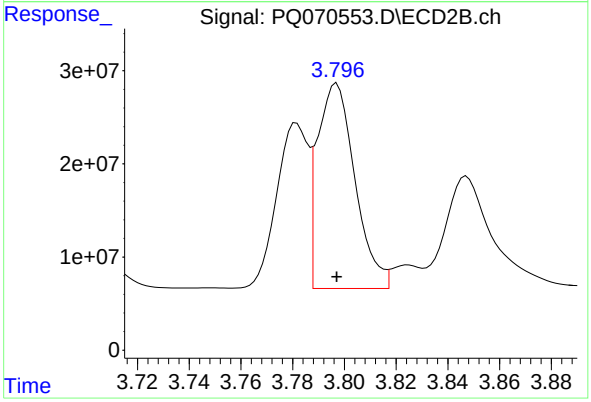
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 149942677
Conc: 500.00 ng/ml



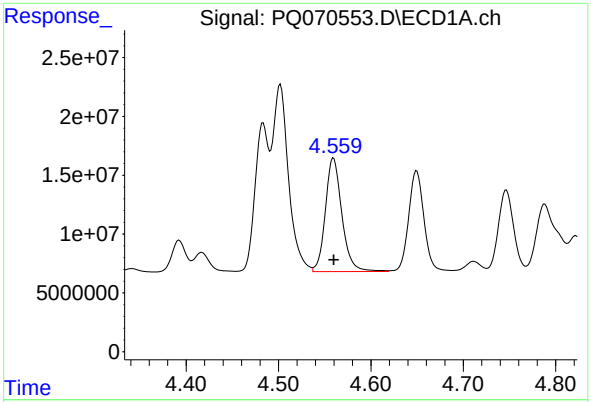
#4 AR-1016-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 191863946
Conc: 500.00 ng/ml



#4 AR-1016-2

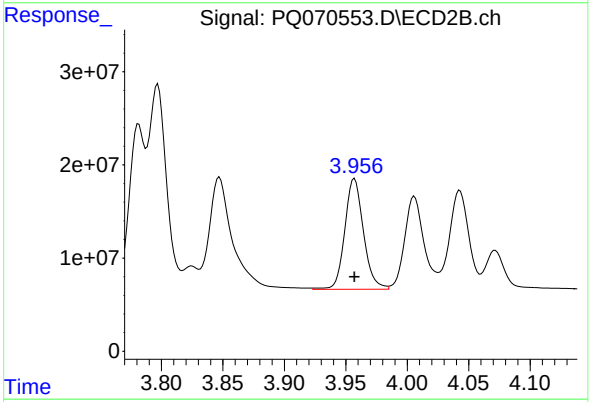
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 222079721
Conc: 500.00 ng/ml



#5 AR-1016-3

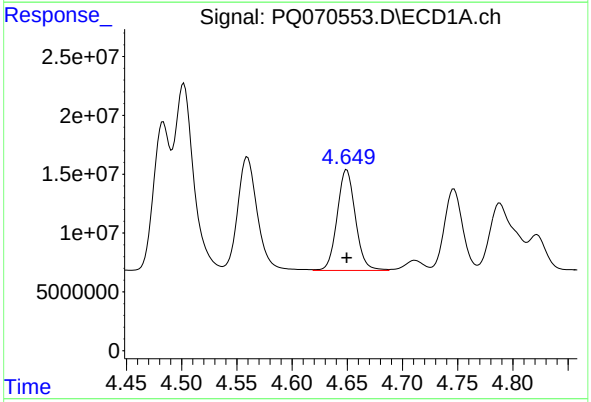
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 120202642
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



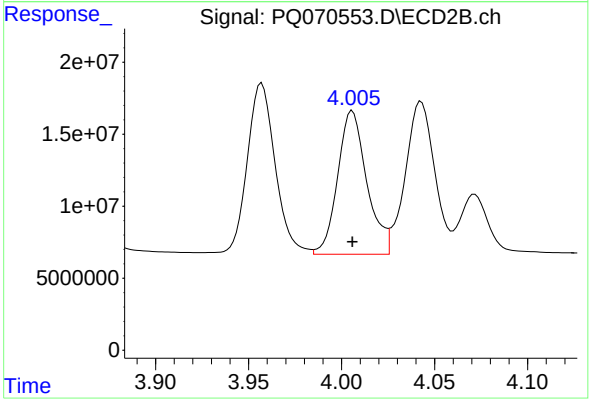
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 125614956
Conc: 500.00 ng/ml



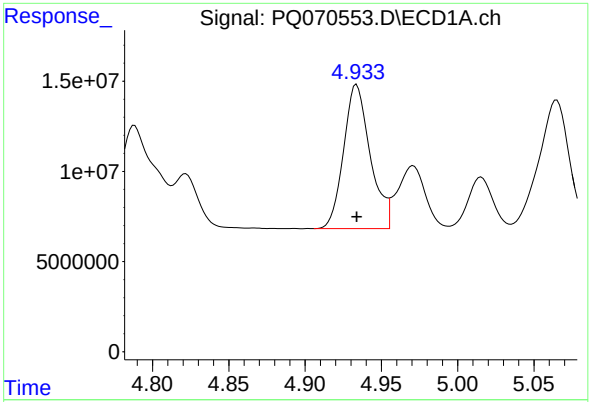
#6 AR-1016-4

R.T.: 4.650 min
Delta R.T.: 0.000 min
Response: 98436040
Conc: 500.00 ng/ml



#6 AR-1016-4

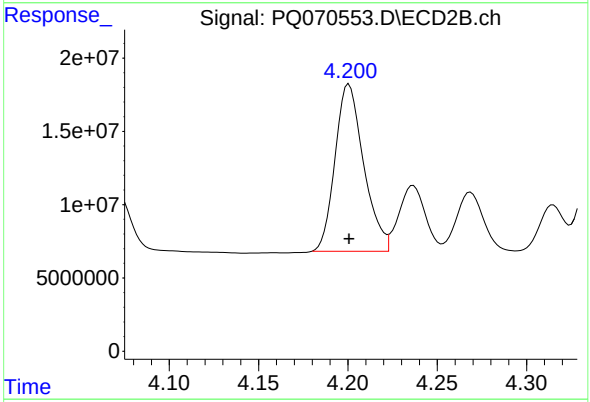
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 108856102
Conc: 500.00 ng/ml



#7 AR-1016-5

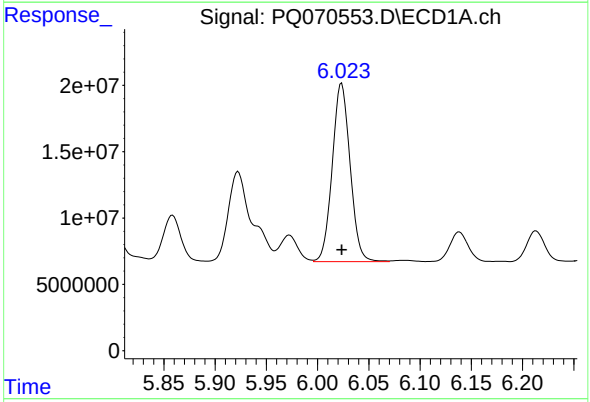
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 97150983
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



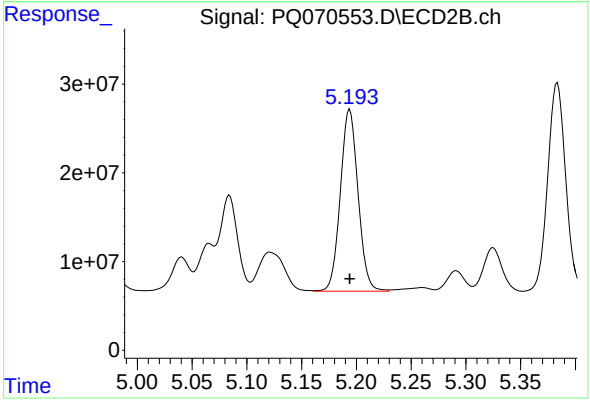
#7 AR-1016-5

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 126990352
Conc: 500.00 ng/ml



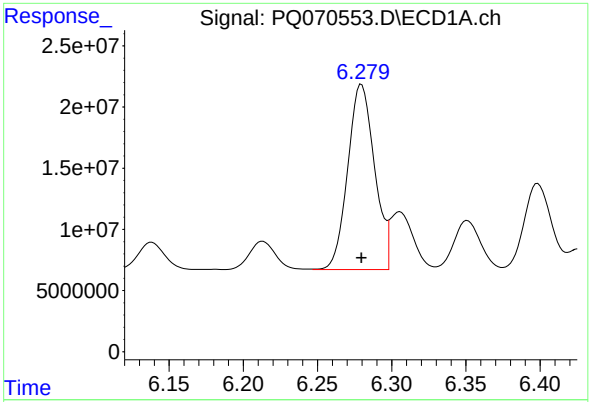
#31 AR-1260-1

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 162540435
Conc: 500.00 ng/ml



#31 AR-1260-1

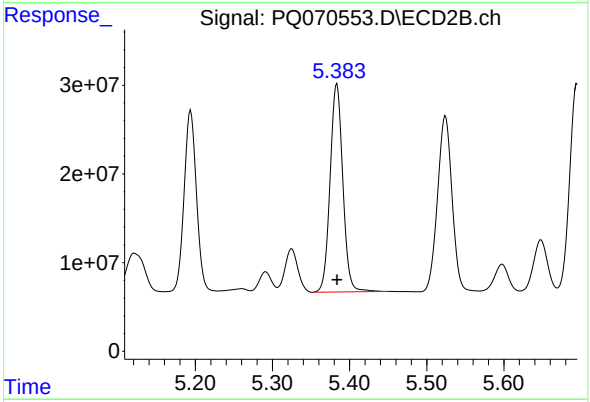
R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 230263485
Conc: 500.00 ng/ml



#32 AR-1260-2

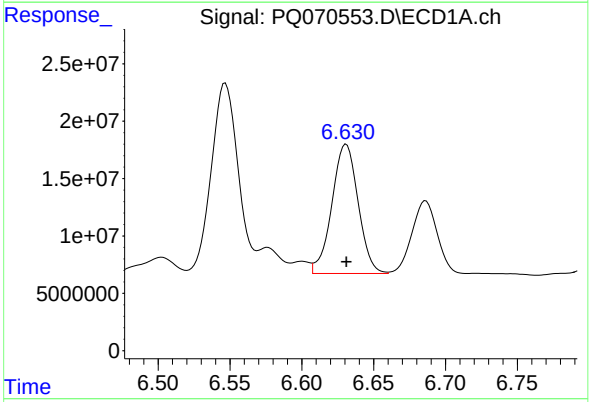
R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 190218734
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



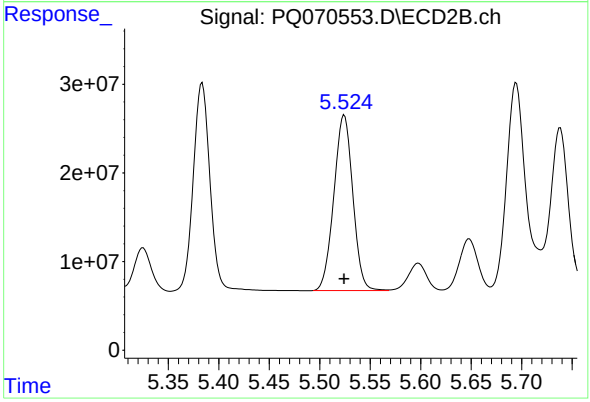
#32 AR-1260-2

R.T.: 5.384 min
Delta R.T.: 0.000 min
Response: 270528620
Conc: 500.00 ng/ml



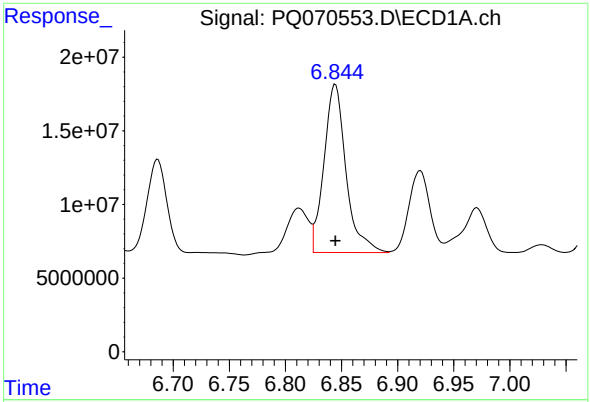
#33 AR-1260-3

R.T.: 6.631 min
Delta R.T.: 0.000 min
Response: 143050952
Conc: 500.00 ng/ml



#33 AR-1260-3

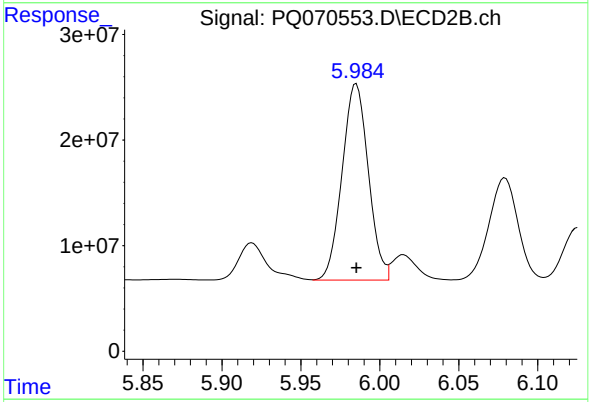
R.T.: 5.524 min
Delta R.T.: 0.000 min
Response: 258922923
Conc: 500.00 ng/ml



#34 AR-1260-4

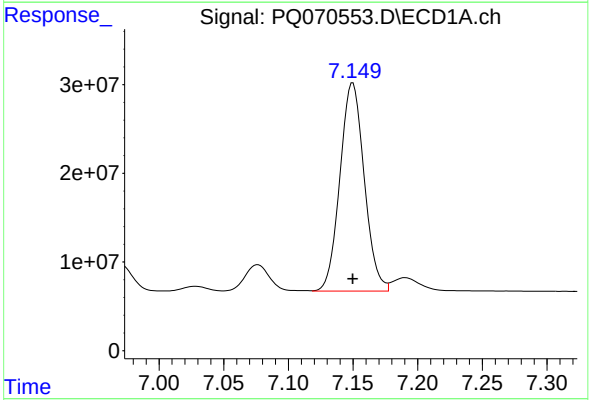
R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 156387676
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



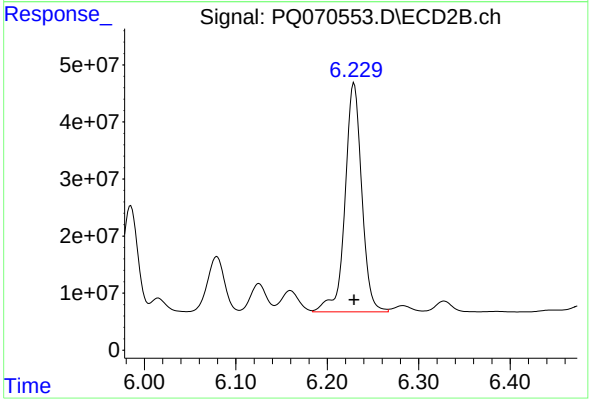
#34 AR-1260-4

R.T.: 5.985 min
Delta R.T.: 0.000 min
Response: 214969514
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 306886491
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 511750940
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:42
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:53:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	208.2E6	237.1E6	25.139	25.314
2)	SA Decachlor...	8.500	7.539	121.2E6	216.1E6	26.430	26.554
	Target Compounds						
3)	L1 AR-1016-1	4.483	3.781	64829993	79253005	257.696	264.278
4)	L1 AR-1016-2	4.502	3.797	102.0E6	117.6E6	265.769	264.847
5)	L1 AR-1016-3	4.560	3.957	63411613	65288332	263.770	259.875
6)	L1 AR-1016-4	4.650	4.006	51676916	57824225	262.490	265.599
7)	L1 AR-1016-5	4.934	4.201	50863931	67725714	261.778	266.657
31)	L7 AR-1260-1	6.024	5.194	86403683	120.6E6	265.791	261.896
32)	L7 AR-1260-2	6.280	5.383	101.5E6	143.1E6	266.904	264.533
33)	L7 AR-1260-3	6.630	5.524	77161822	136.5E6	269.700	263.555
34)	L7 AR-1260-4	6.845	5.985	82888948	114.9E6	265.011	267.195
35)	L7 AR-1260-5	7.150	6.229	160.0E6	256.8E6	260.728	250.894

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

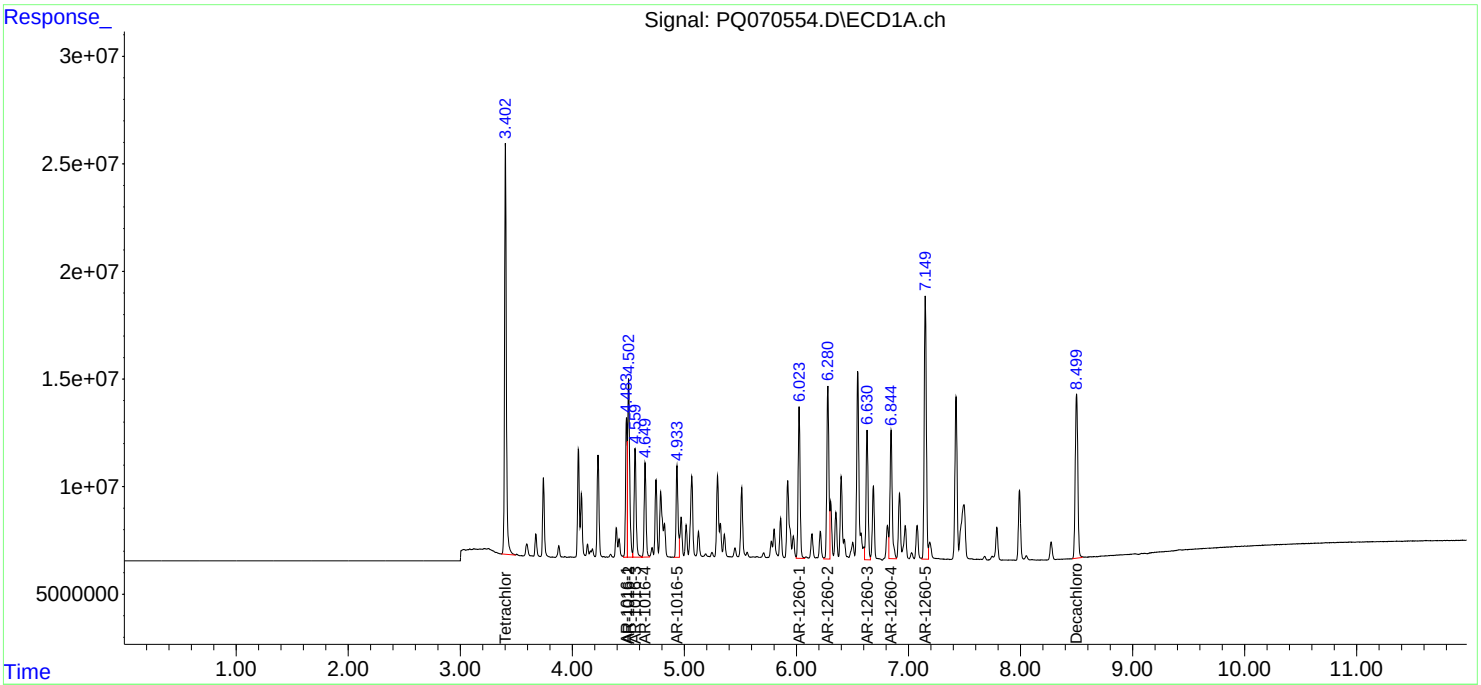
ICAL Form

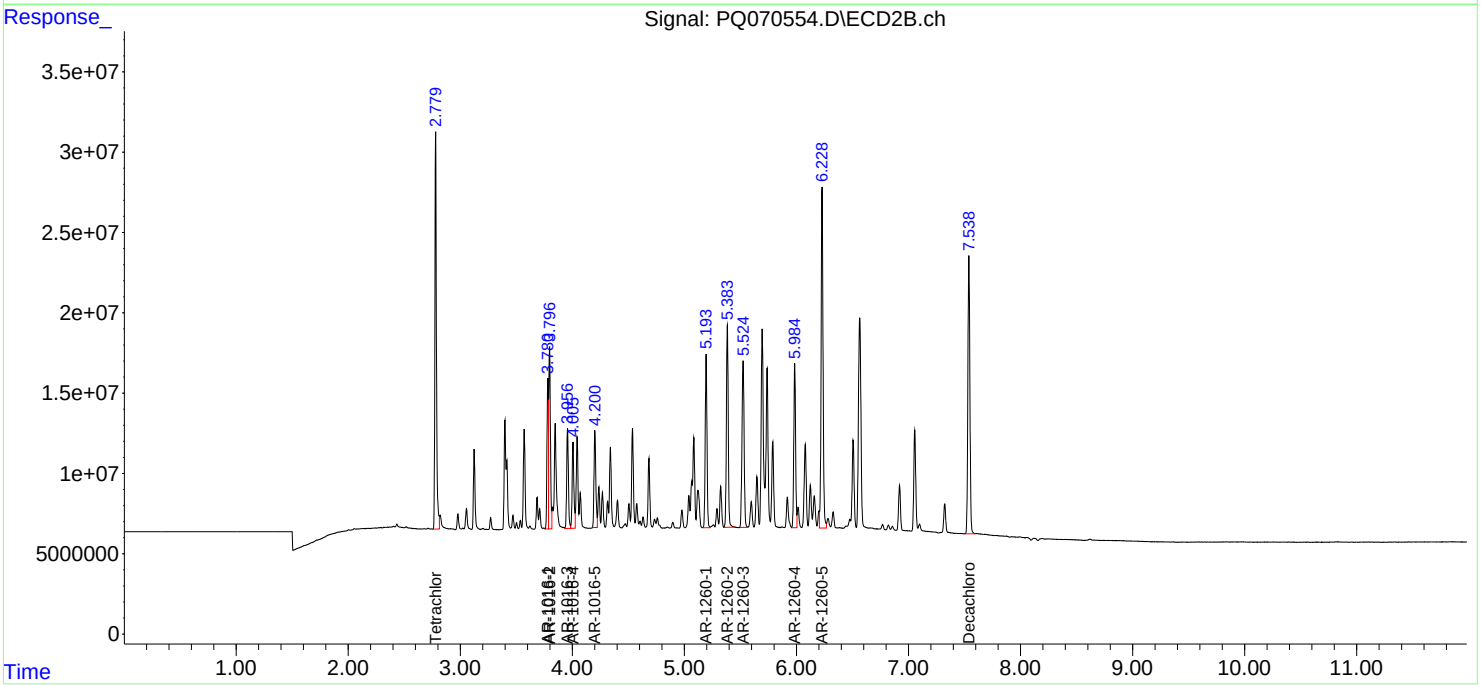
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:42
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

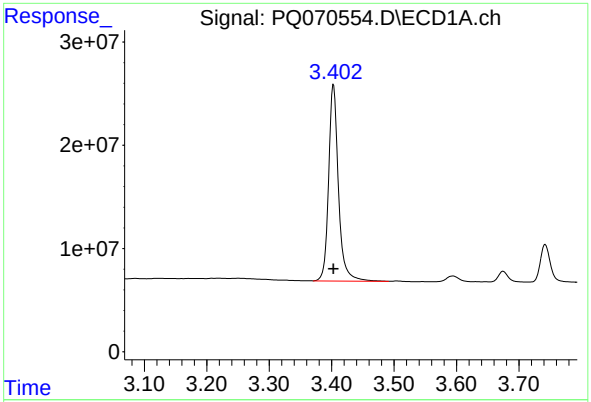
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:53:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



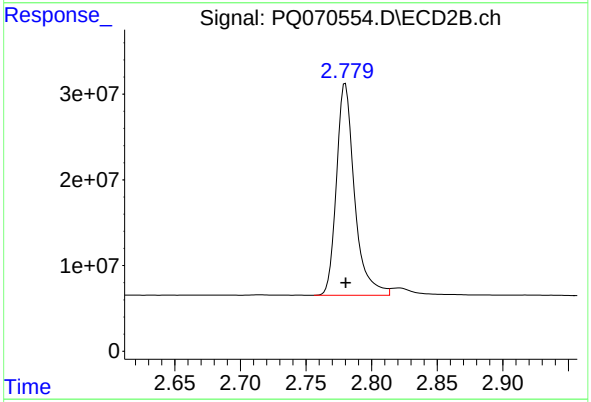




#1 Tetrachloro-m-xylene

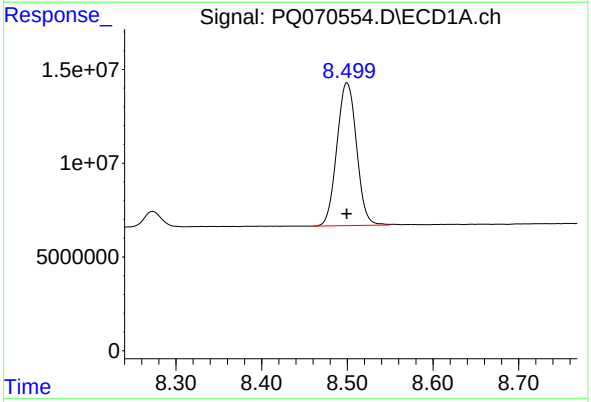
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 208194701
Conc: 25.14 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



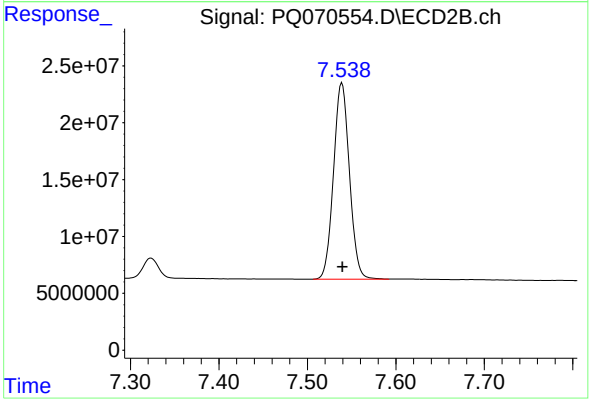
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 237119502
Conc: 25.31 ng/ml



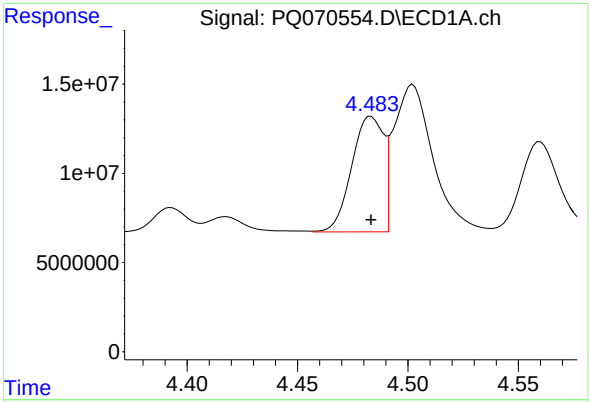
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 121221116
Conc: 26.43 ng/ml



#2 Decachlorobiphenyl

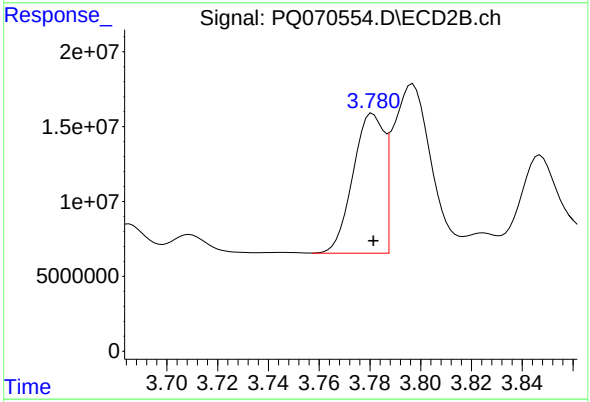
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 216055955
Conc: 26.55 ng/ml



#3 AR-1016-1

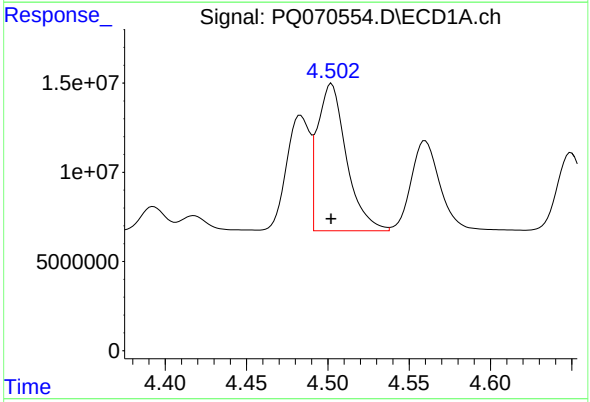
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 64829993
Conc: 257.70 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



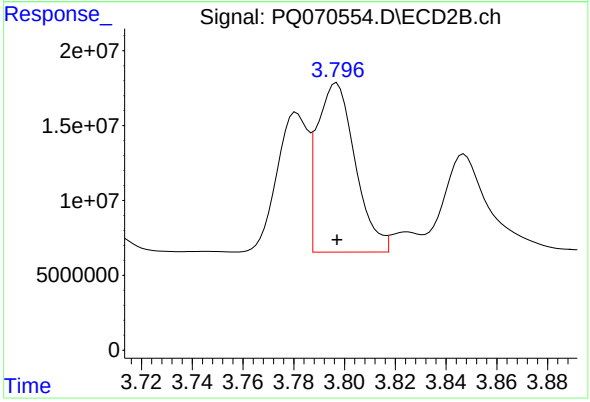
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 79253005
Conc: 264.28 ng/ml



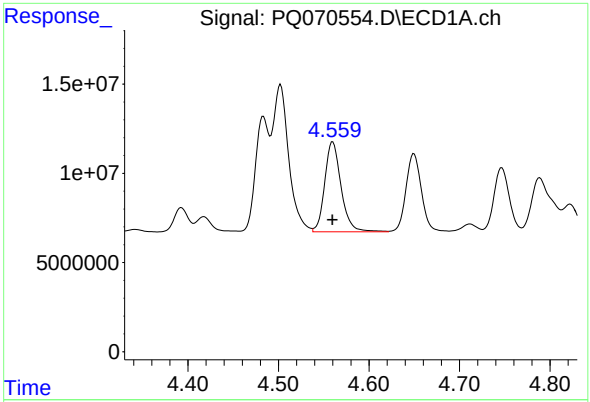
#4 AR-1016-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 101982879
Conc: 265.77 ng/ml



#4 AR-1016-2

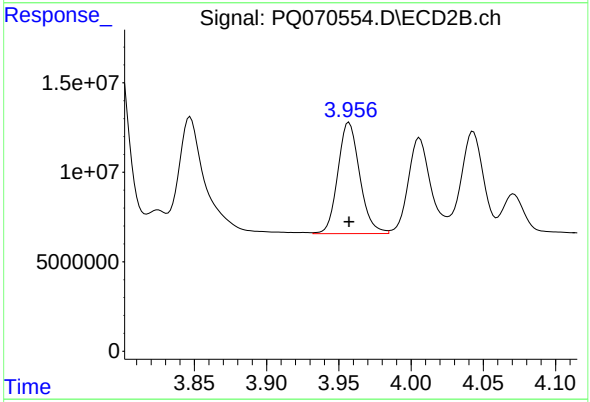
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 117634447
Conc: 264.85 ng/ml



#5 AR-1016-3

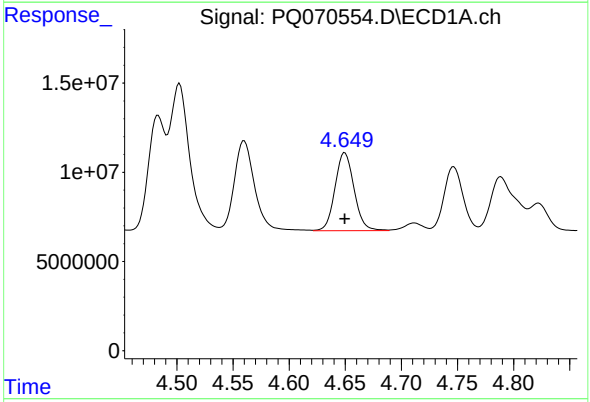
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 63411613
Conc: 263.77 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



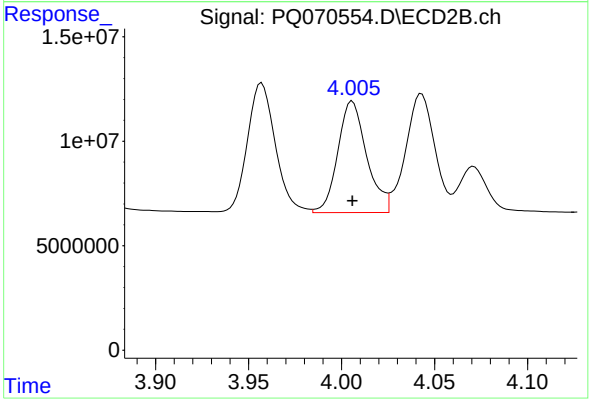
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 65288332
Conc: 259.87 ng/ml



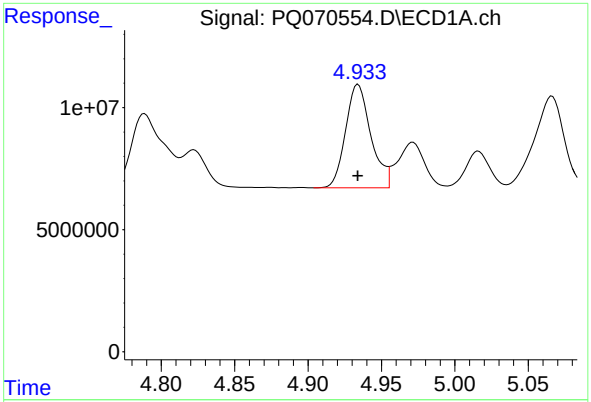
#6 AR-1016-4

R.T.: 4.650 min
Delta R.T.: 0.000 min
Response: 51676916
Conc: 262.49 ng/ml



#6 AR-1016-4

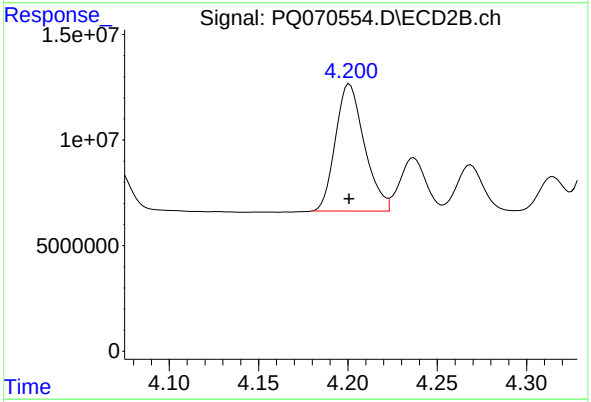
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 57824225
Conc: 265.60 ng/ml



#7 AR-1016-5

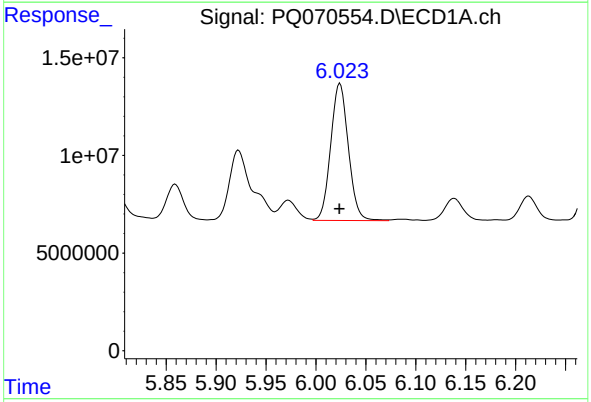
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 50863931
Conc: 261.78 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



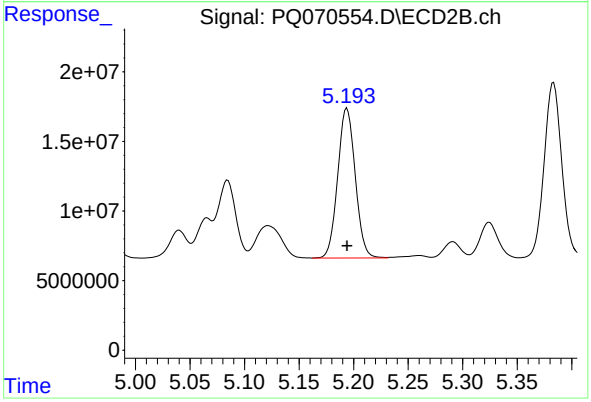
#7 AR-1016-5

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 67725714
Conc: 266.66 ng/ml



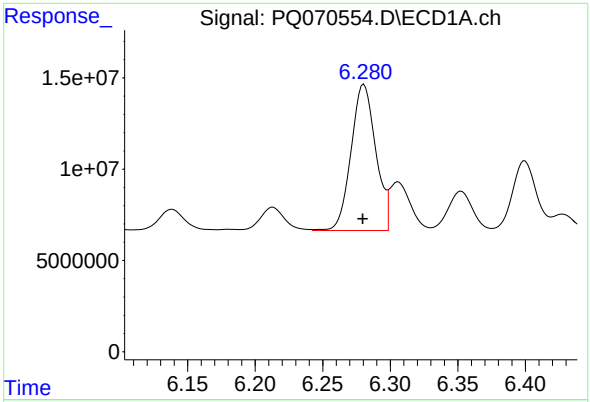
#31 AR-1260-1

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 86403683
Conc: 265.79 ng/ml



#31 AR-1260-1

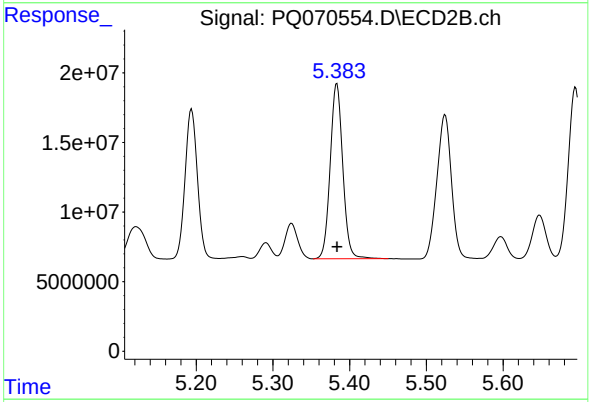
R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 120610336
Conc: 261.90 ng/ml



#32 AR-1260-2

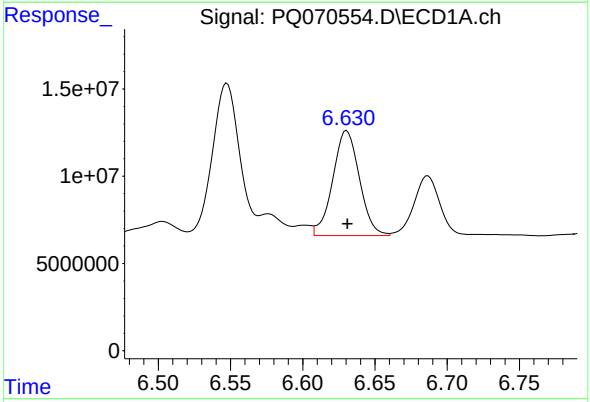
R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 101540320
Conc: 266.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



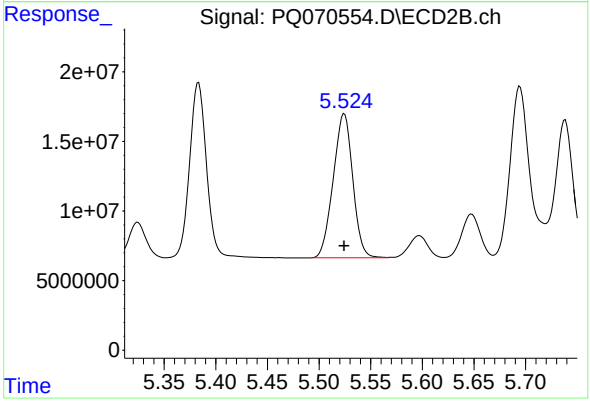
#32 AR-1260-2

R.T.: 5.383 min
Delta R.T.: 0.000 min
Response: 143127743
Conc: 264.53 ng/ml



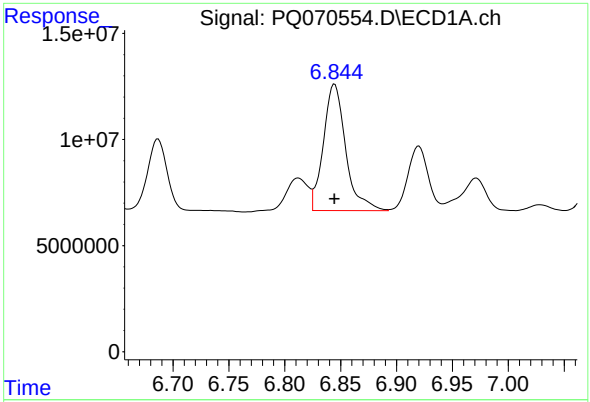
#33 AR-1260-3

R.T.: 6.630 min
Delta R.T.: 0.000 min
Response: 77161822
Conc: 269.70 ng/ml



#33 AR-1260-3

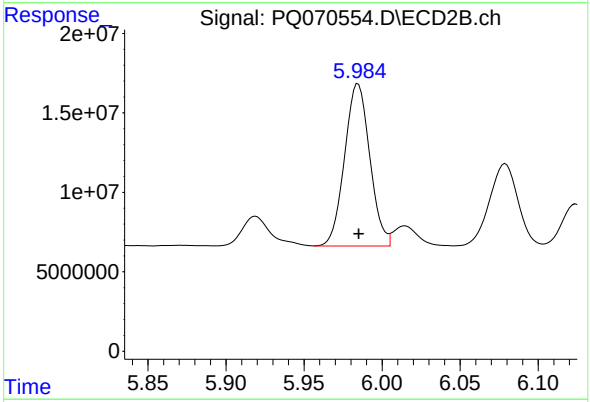
R.T.: 5.524 min
Delta R.T.: 0.000 min
Response: 136480684
Conc: 263.55 ng/ml



#34 AR-1260-4

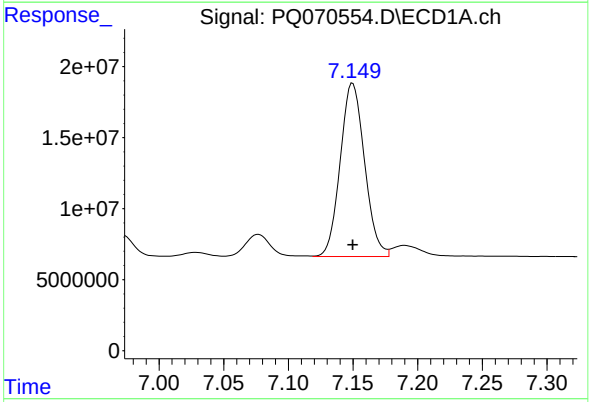
R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 82888948
Conc: 265.01 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



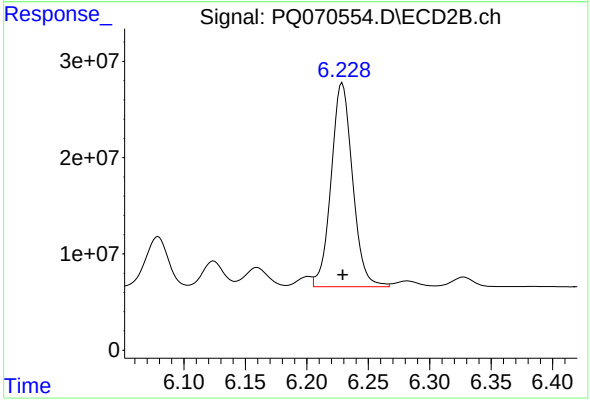
#34 AR-1260-4

R.T.: 5.985 min
Delta R.T.: 0.000 min
Response: 114877584
Conc: 267.20 ng/ml



#35 AR-1260-5

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 160027814
Conc: 260.73 ng/ml



#35 AR-1260-5

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 256790375
Conc: 250.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:57
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 04:07:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	46963295	53782078	5.671	5.742
2)	SA Decachlor...	8.500	7.540	28213962	51161432	6.152	6.288
	Target Compounds						
3)	L1 AR-1016-1	4.484	3.781	16798217	20431733	66.772	68.132
4)	L1 AR-1016-2	4.502	3.797	24941743	29321570	64.999	66.016
5)	L1 AR-1016-3	4.560	3.957	15840205	16603370	65.890	66.088
6)	L1 AR-1016-4	4.649	4.006	12700473	14958235	64.511	68.706
7)	L1 AR-1016-5	4.934	4.201	12817332	17247524	65.966	67.909
31)	L7 AR-1260-1	6.023	5.193	21971542	31457759	67.588m	68.308m
32)	L7 AR-1260-2	6.279	5.383	25608761	37372124	67.314m	69.072
33)	L7 AR-1260-3	6.631	5.525	19016498	35075317	66.468	67.733
34)	L7 AR-1260-4	6.845	5.985	20767504	29283256	66.398	68.110
35)	L7 AR-1260-5	7.151	6.229	39147781	61280973	63.782	59.874

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:57
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

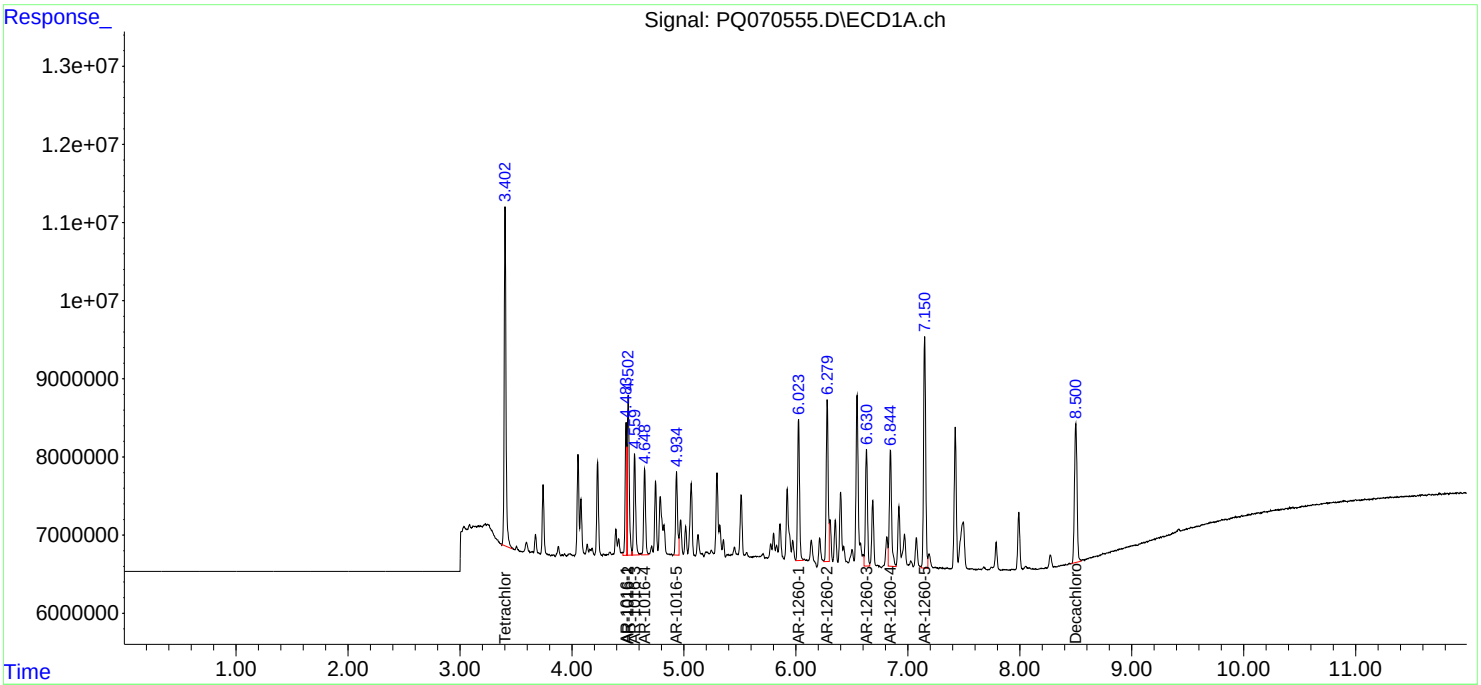
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

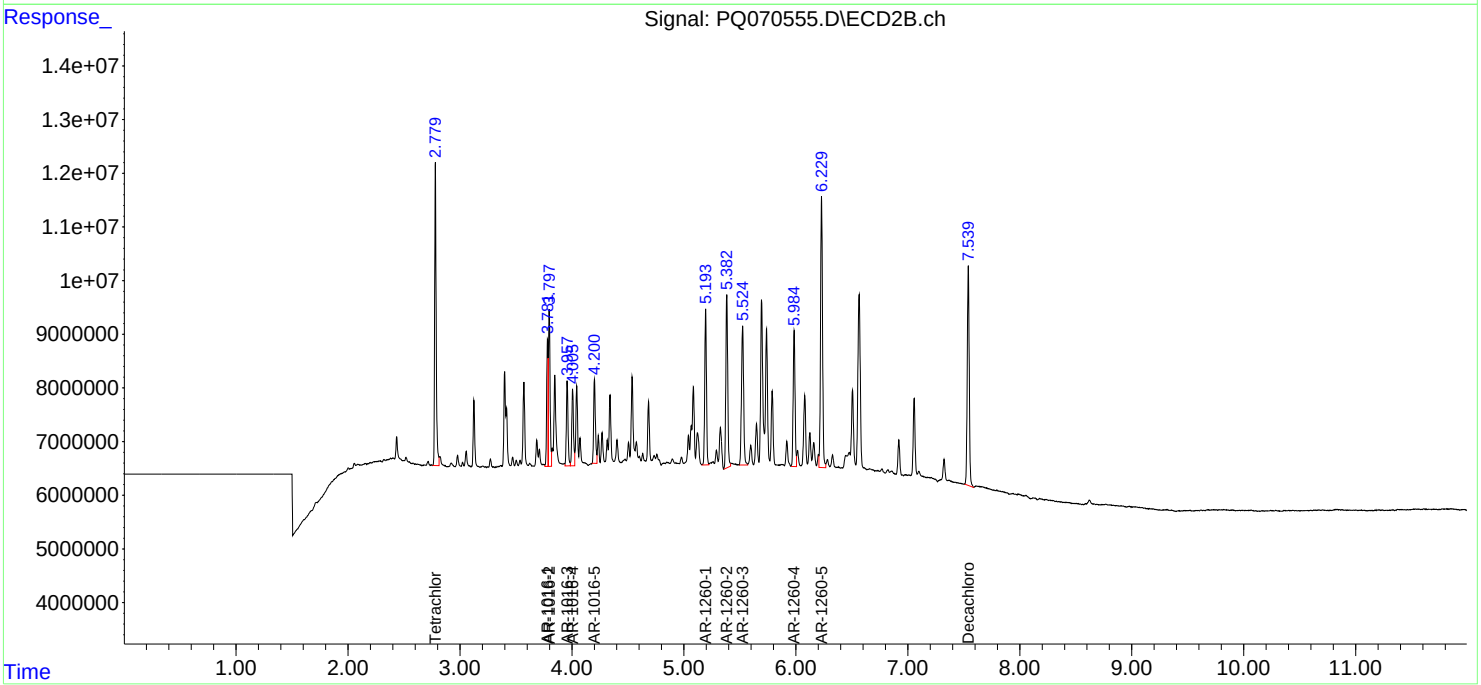
Manual Integrations APPROVED

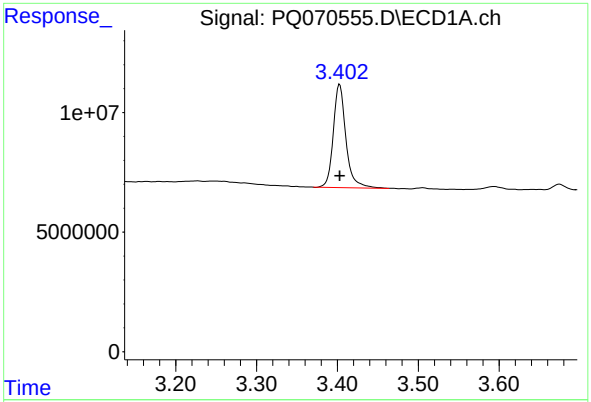
Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 04:07:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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







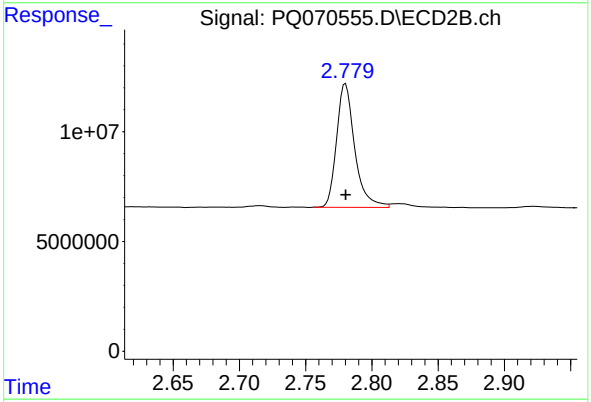
#1 Tetrachloro-m-xylene

R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 46963295
Conc: 5.67 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

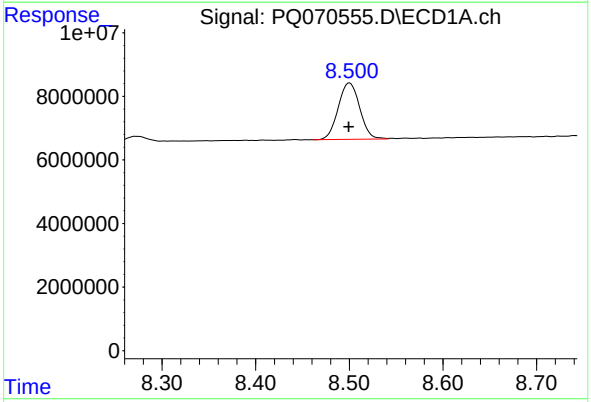
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025



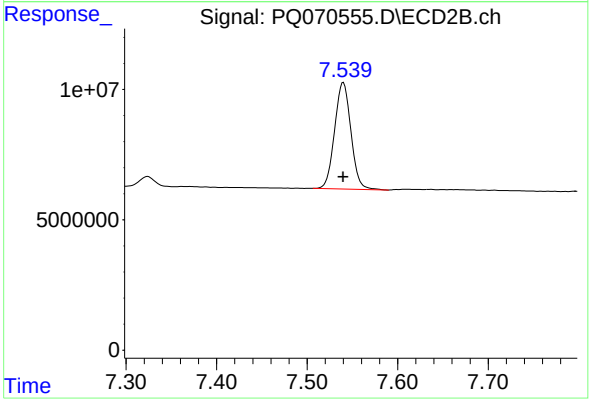
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 53782078
Conc: 5.74 ng/ml



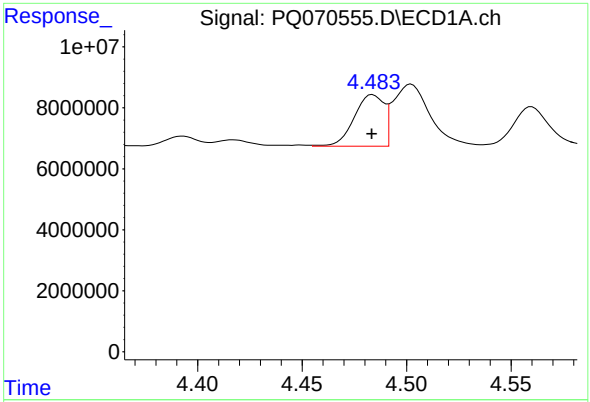
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 28213962
Conc: 6.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 51161432
Conc: 6.29 ng/ml



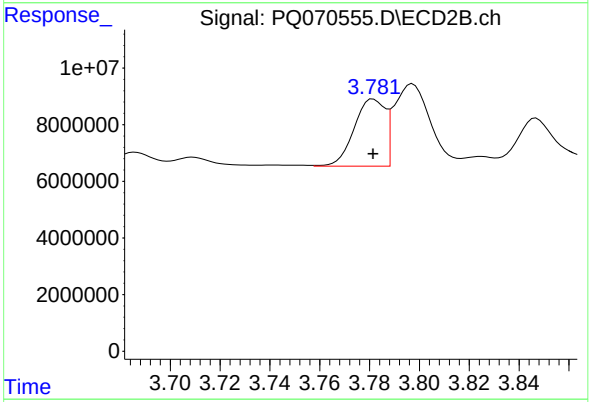
#3 AR-1016-1

R.T.: 4.484 min
Delta R.T.: 0.000 min
Response: 16798217
Conc: 66.77 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

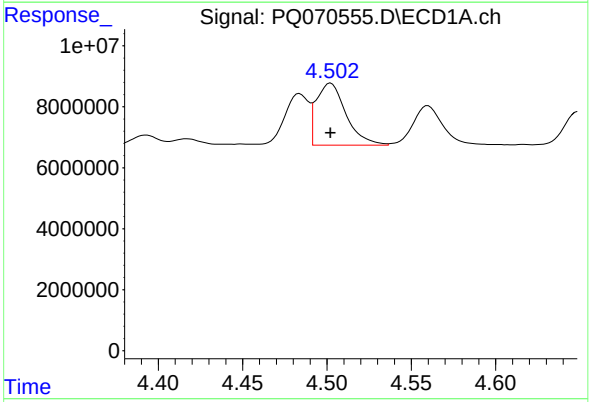
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025



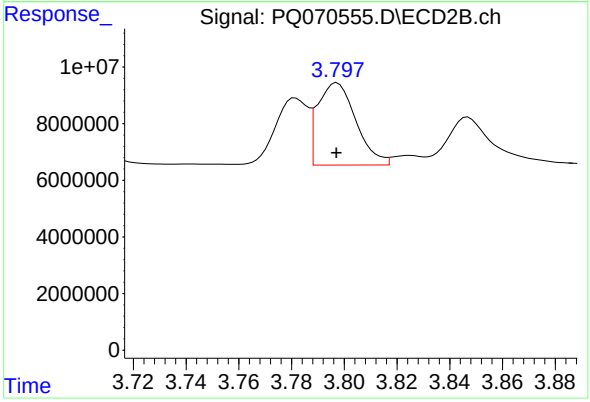
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 20431733
Conc: 68.13 ng/ml



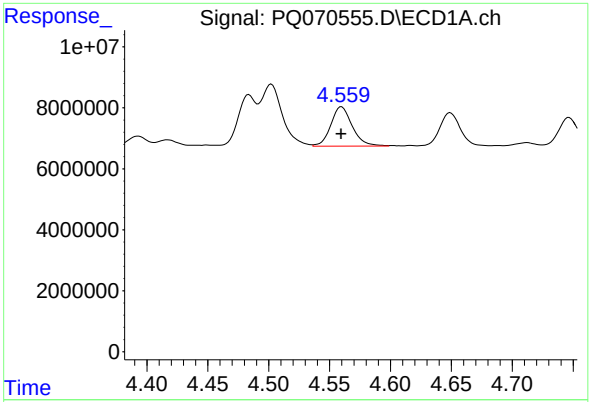
#4 AR-1016-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 24941743
Conc: 65.00 ng/ml



#4 AR-1016-2

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 29321570
Conc: 66.02 ng/ml



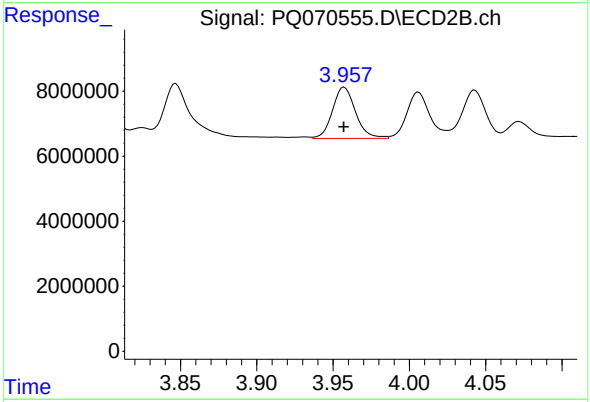
#5 AR-1016-3

R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 15840205
Conc: 65.89 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

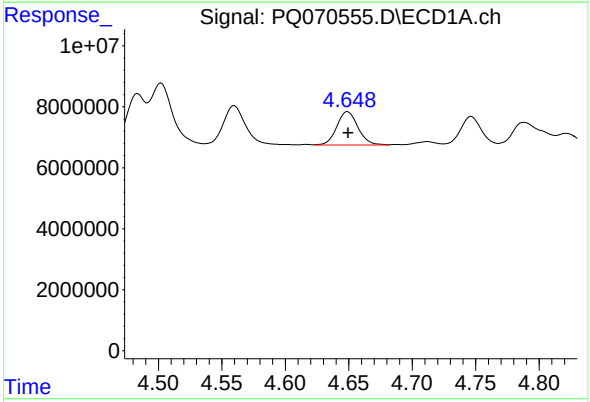
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025



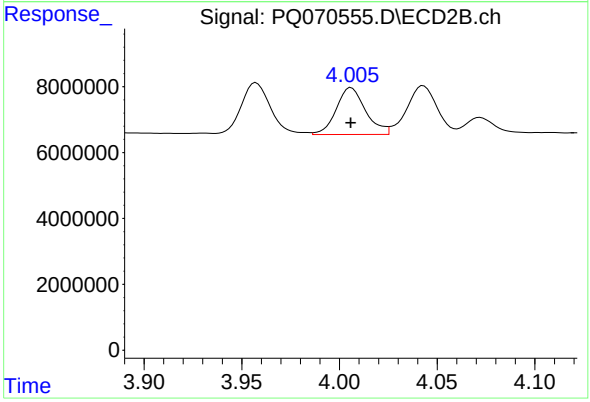
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 16603370
Conc: 66.09 ng/ml



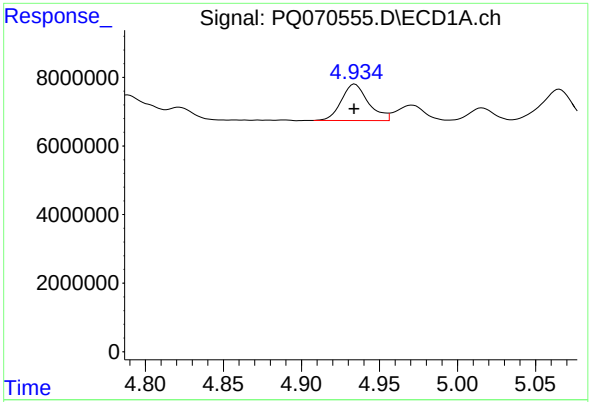
#6 AR-1016-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 12700473
Conc: 64.51 ng/ml



#6 AR-1016-4

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 14958235
Conc: 68.71 ng/ml



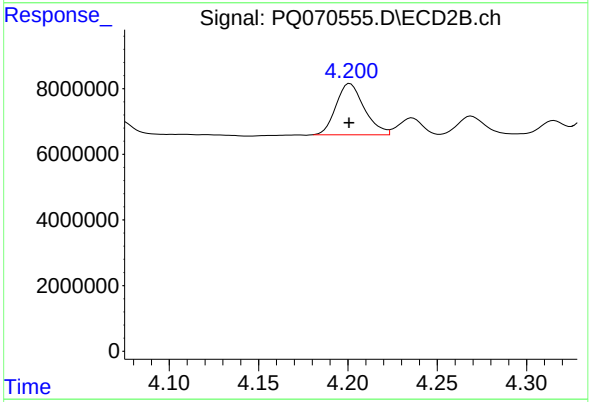
#7 AR-1016-5

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 12817332
Conc: 65.97 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

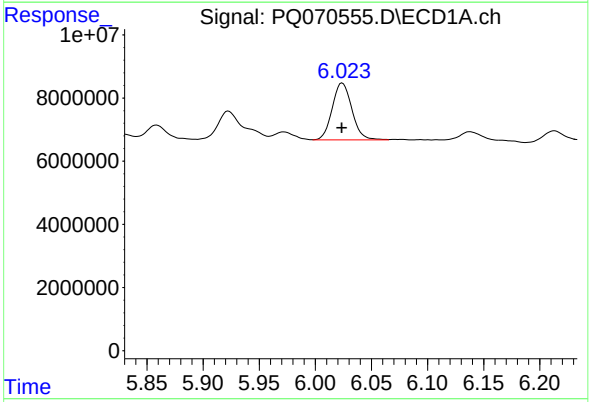
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025



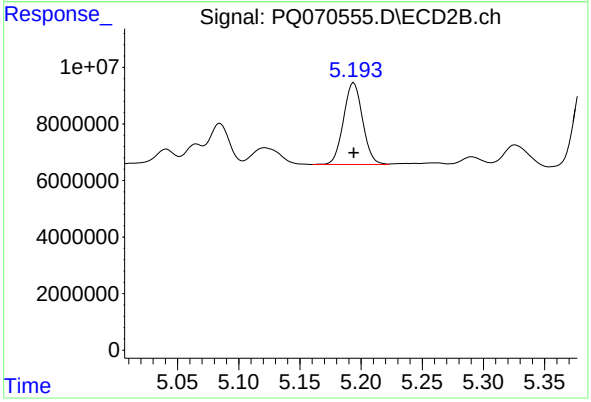
#7 AR-1016-5

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 17247524
Conc: 67.91 ng/ml



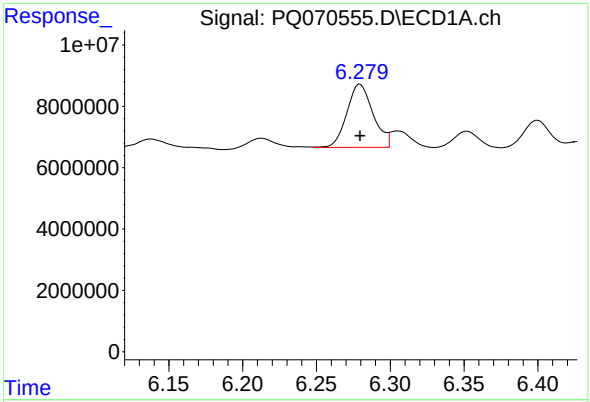
#31 AR-1260-1

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 21971542
Conc: 67.59 ng/ml m



#31 AR-1260-1

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 31457759
Conc: 68.31 ng/ml m



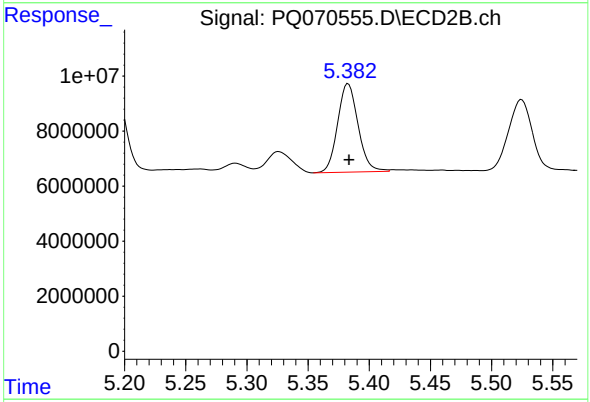
#32 AR-1260-2

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 25608761
Conc: 67.31 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

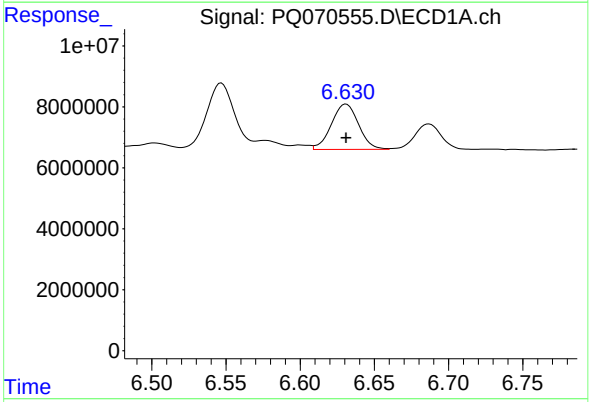
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025



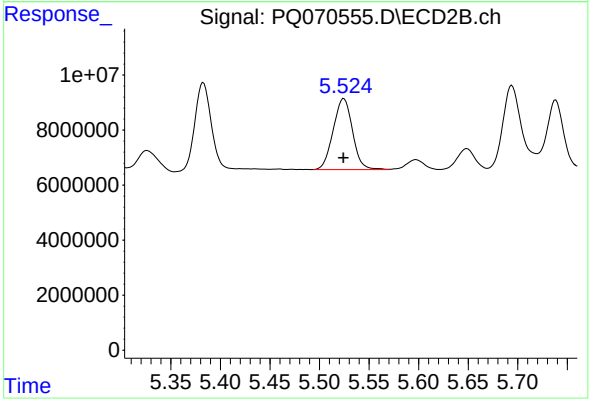
#32 AR-1260-2

R.T.: 5.383 min
Delta R.T.: 0.000 min
Response: 37372124
Conc: 69.07 ng/ml



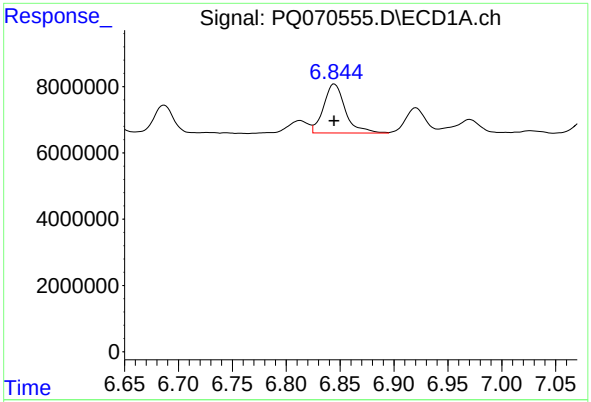
#33 AR-1260-3

R.T.: 6.631 min
Delta R.T.: 0.000 min
Response: 19016498
Conc: 66.47 ng/ml



#33 AR-1260-3

R.T.: 5.525 min
Delta R.T.: 0.000 min
Response: 35075317
Conc: 67.73 ng/ml



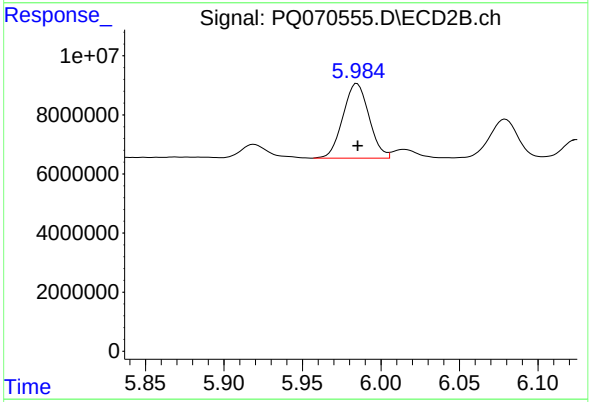
#34 AR-1260-4

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 20767504
Conc: 66.40 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

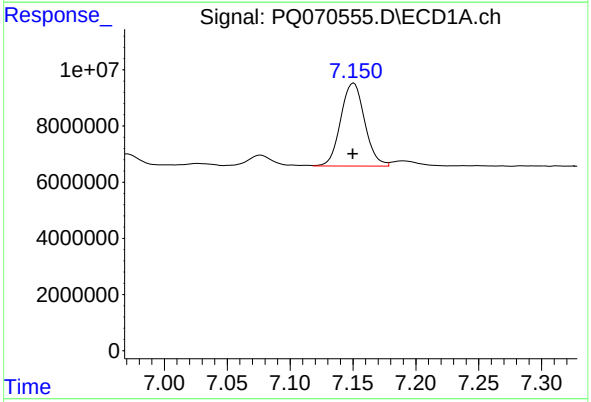
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025



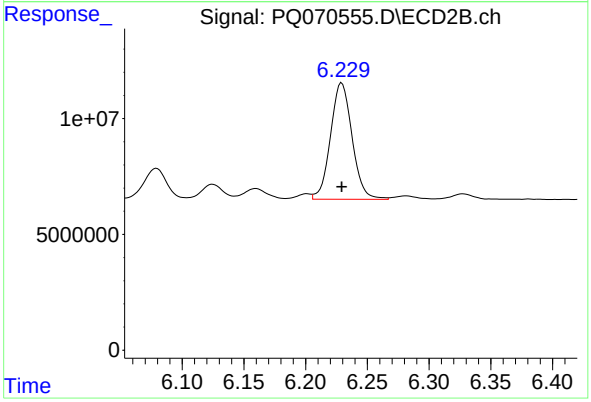
#34 AR-1260-4

R.T.: 5.985 min
Delta R.T.: 0.000 min
Response: 29283256
Conc: 68.11 ng/ml



#35 AR-1260-5

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 39147781
Conc: 63.78 ng/ml



#35 AR-1260-5

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 61280973
Conc: 59.87 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:15
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:11:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:11:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.410	2.779	420.9E6	457.2E6	50.000	50.000
2)	SA Decachlor...	8.507	7.541	226.1E6	400.6E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	3.604	2.979	53859930	63934559	500.000	500.000
9)	L2 AR-1221-2	3.682	3.055	39984311	49693818	500.000	500.000
10)	L2 AR-1221-3	3.750	3.124	118.6E6	140.7E6	500.000	500.000

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

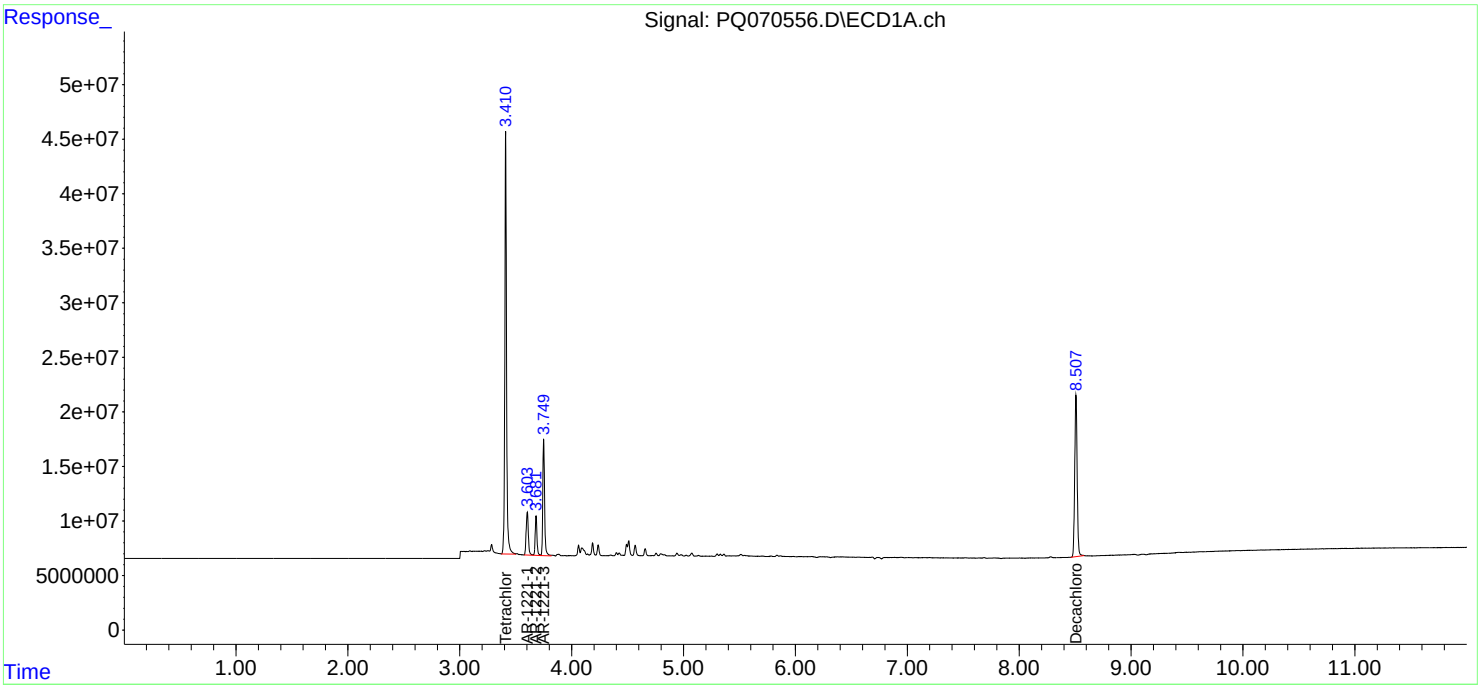
ICAL Form

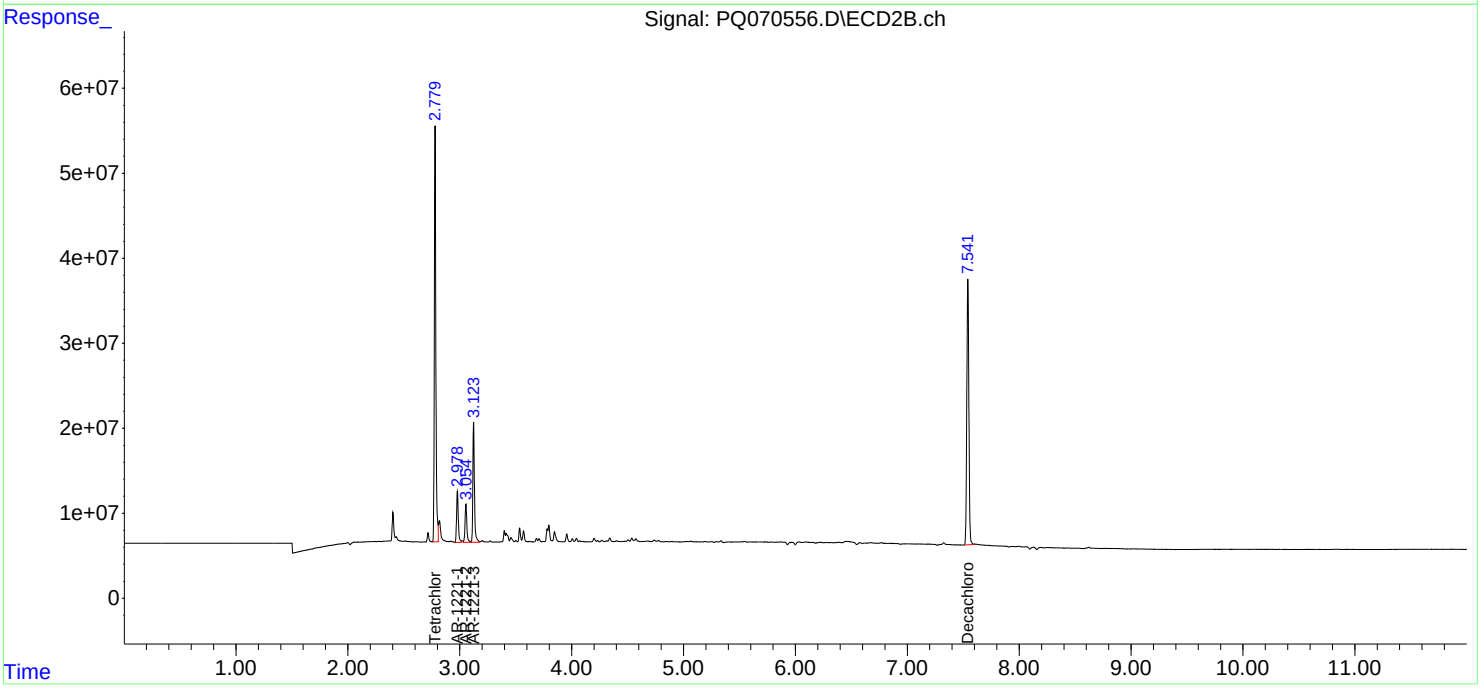
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:15
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

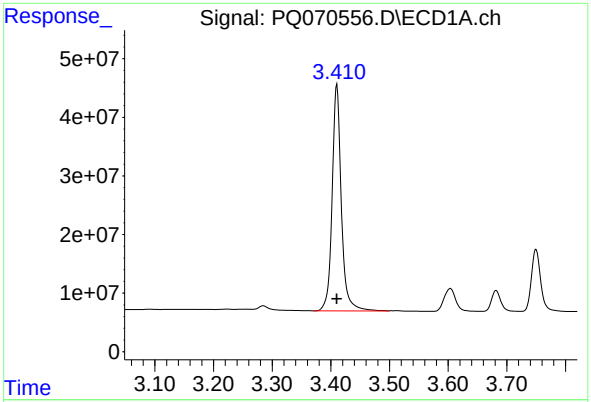
Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:11:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:11:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



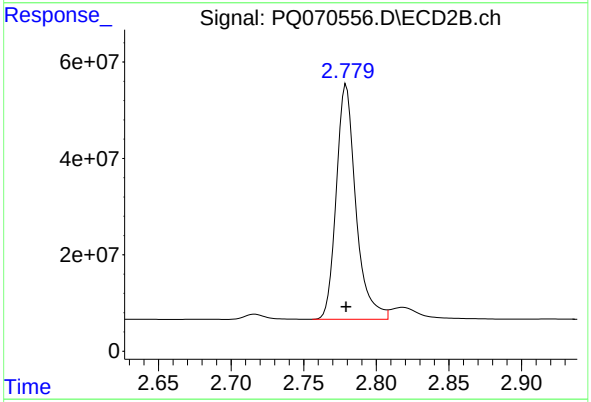




#1 Tetrachloro-m-xylene

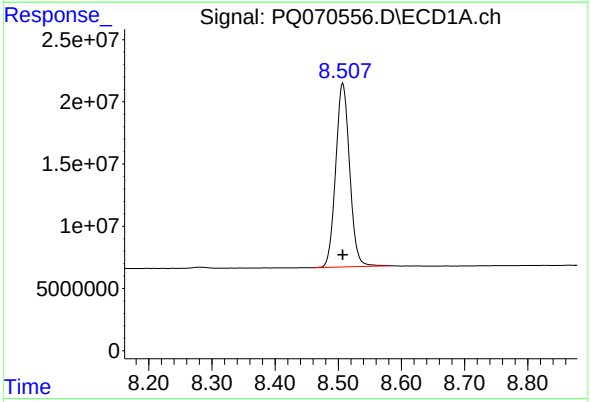
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 420861303
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500



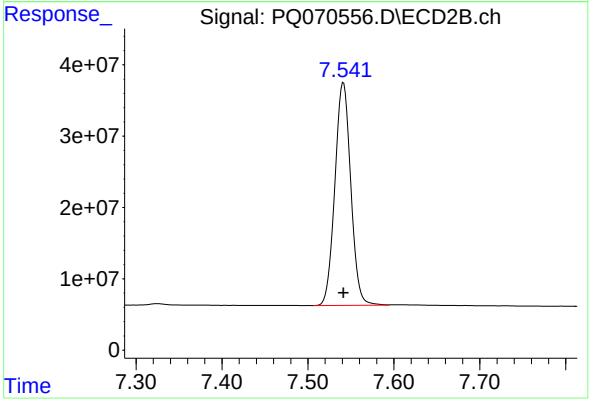
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 457177178
Conc: 50.00 ng/ml



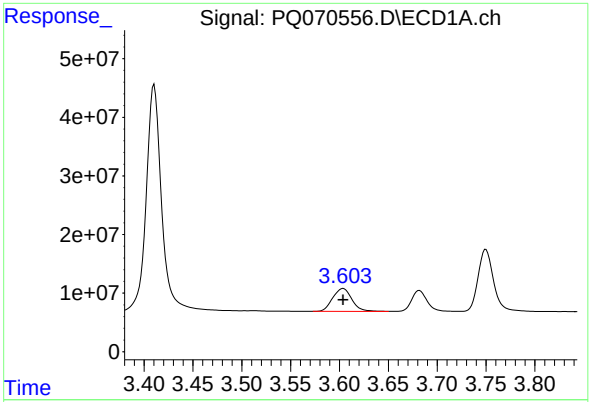
#2 Decachlorobiphenyl

R.T.: 8.507 min
Delta R.T.: 0.000 min
Response: 226077834
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

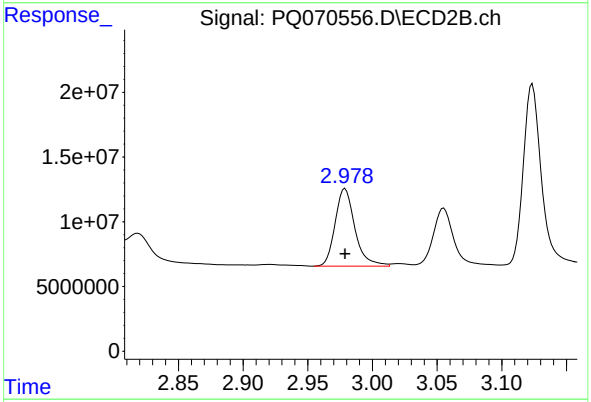
R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 400592986
Conc: 50.00 ng/ml



#8 AR-1221-1

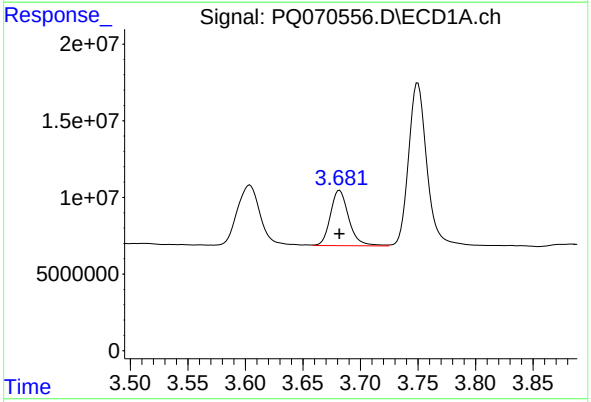
R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 53859930
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500



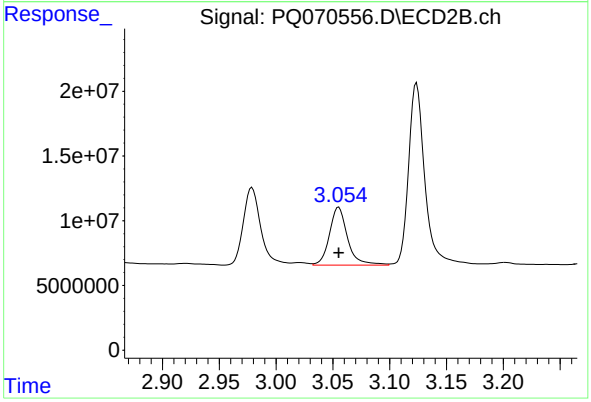
#8 AR-1221-1

R.T.: 2.979 min
Delta R.T.: 0.000 min
Response: 63934559
Conc: 500.00 ng/ml



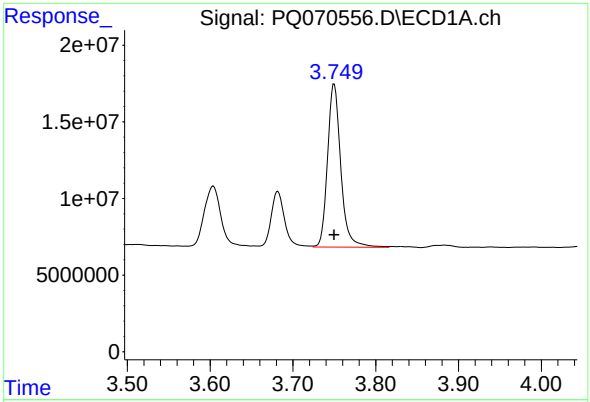
#9 AR-1221-2

R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 39984311
Conc: 500.00 ng/ml



#9 AR-1221-2

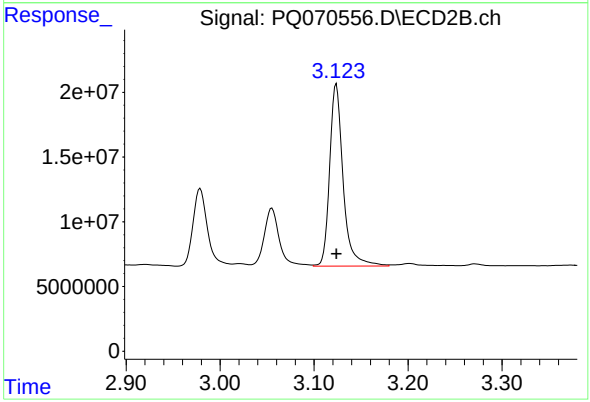
R.T.: 3.055 min
Delta R.T.: 0.000 min
Response: 49693818
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 118594511
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 3.124 min
Delta R.T.: 0.000 min
Response: 140655510
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:29
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:16:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	415.4E6	460.5E6	50.000	50.000
2)	SA Decachlor...	8.500	7.540	223.7E6	395.4E6	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	3.742	3.124	96117208	113.3E6	500.000	500.000
12)	L3 AR-1232-2	4.230	3.797	51443531	107.5E6	500.000	500.000
13)	L3 AR-1232-3	4.503	3.957	91999044	58546174	500.000	500.000
14)	L3 AR-1232-4	4.650	4.043	46262440	50393980	500.000	500.000
15)	L3 AR-1232-5	4.789	4.201	38180427	54866898	500.000	500.000

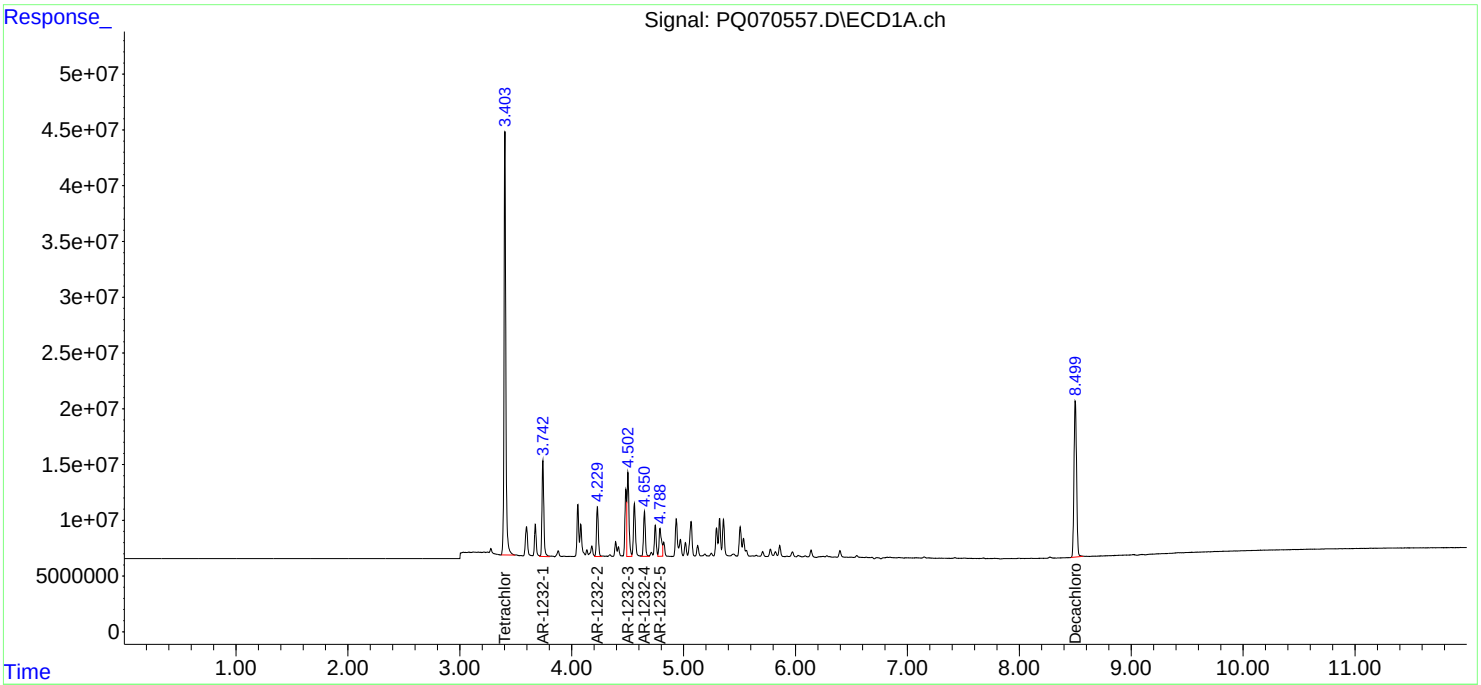
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

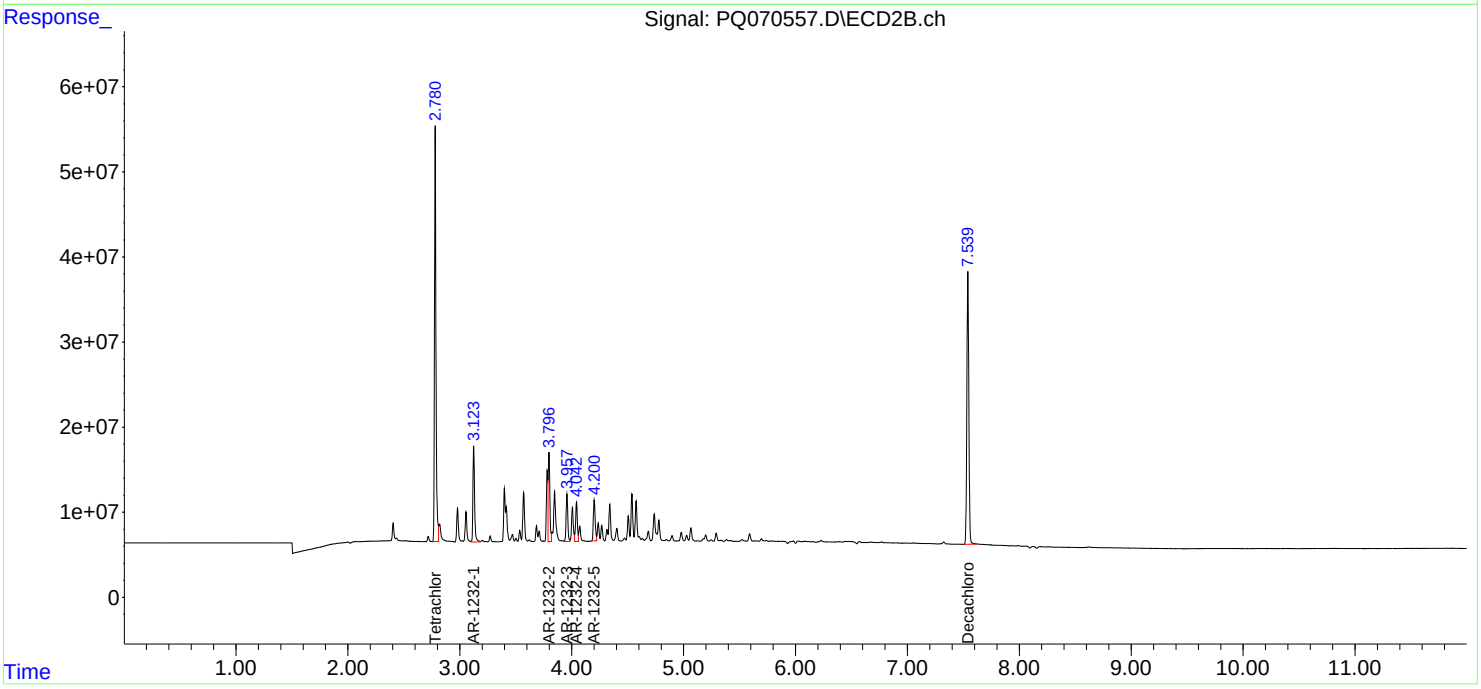
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:29
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

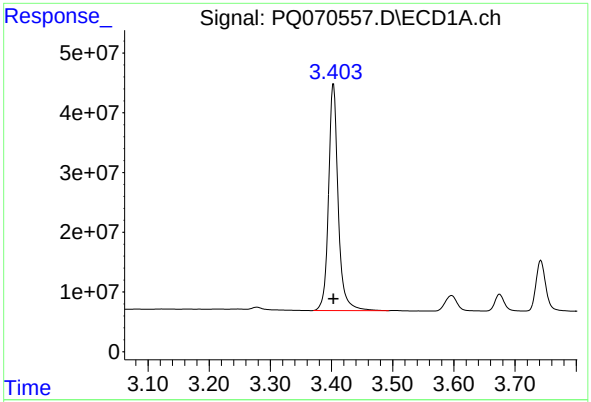
Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:16:24 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



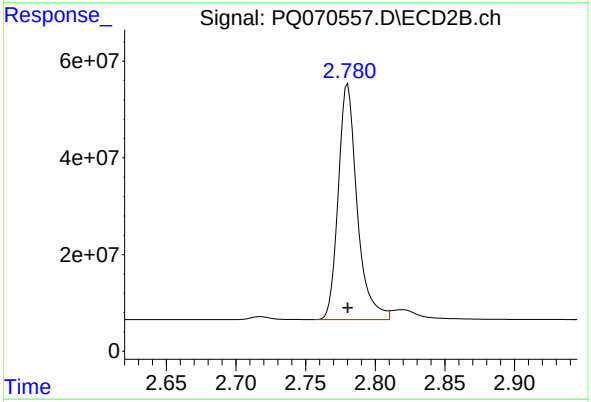




#1 Tetrachloro-m-xylene

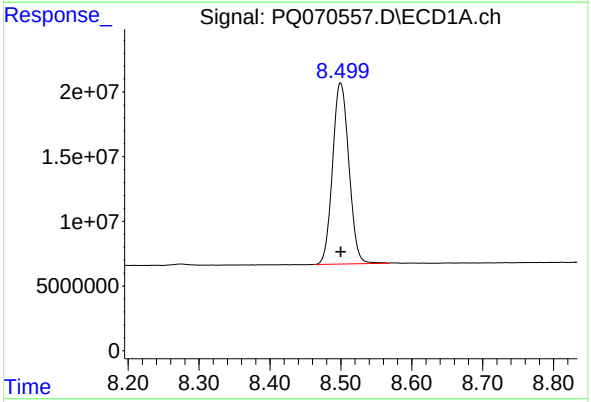
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 415369211
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500



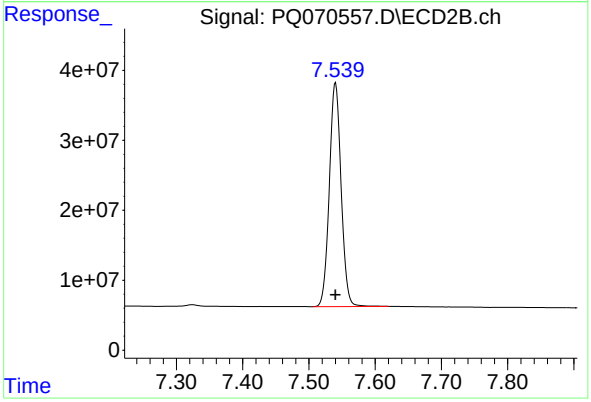
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 460538113
Conc: 50.00 ng/ml



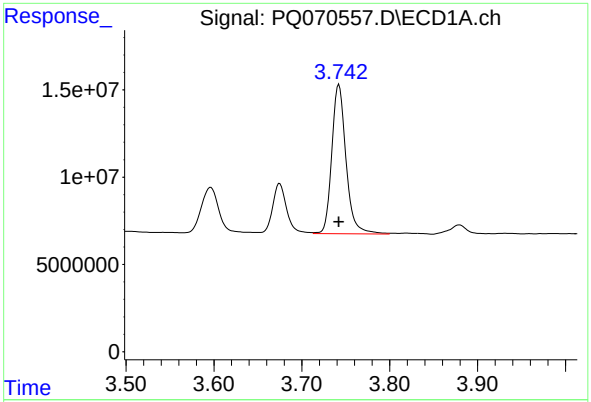
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 223743131
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

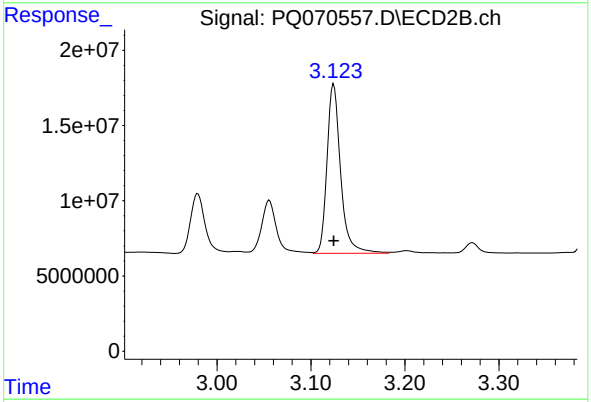
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 395396635
Conc: 50.00 ng/ml



#11 AR-1232-1

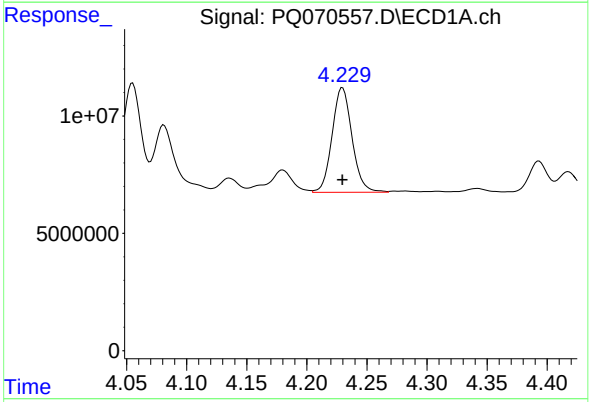
R.T.: 3.742 min
Delta R.T.: 0.000 min
Response: 96117208
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500



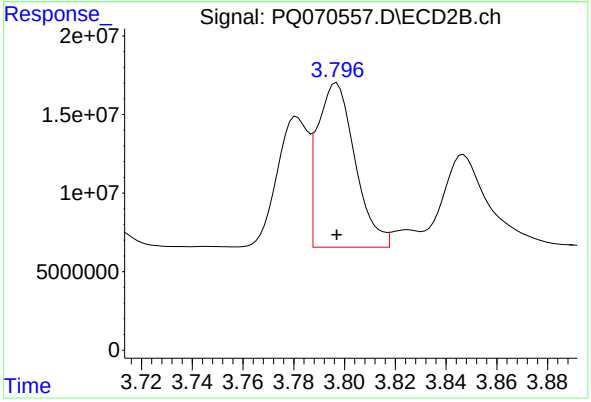
#11 AR-1232-1

R.T.: 3.124 min
Delta R.T.: 0.000 min
Response: 113260776
Conc: 500.00 ng/ml



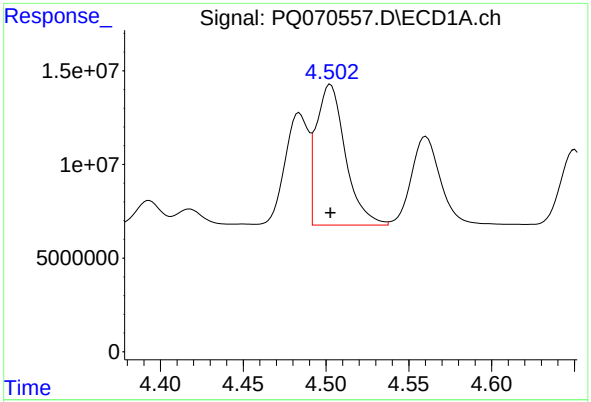
#12 AR-1232-2

R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 51443531
Conc: 500.00 ng/ml



#12 AR-1232-2

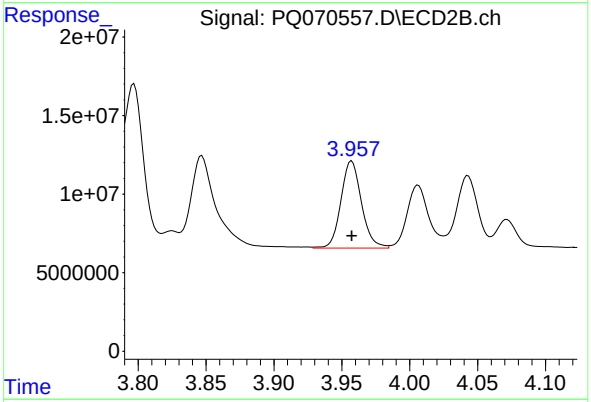
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 107516578
Conc: 500.00 ng/ml



#13 AR-1232-3

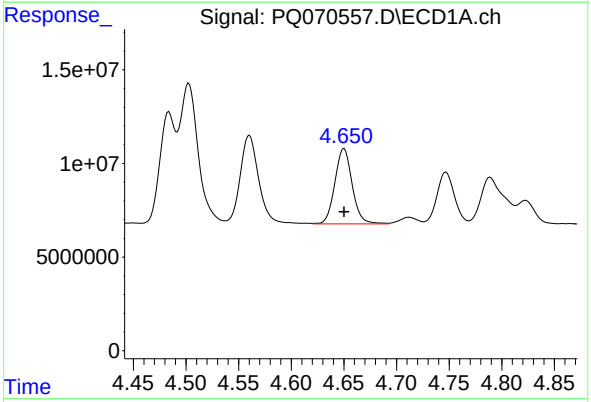
R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 91999044
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500



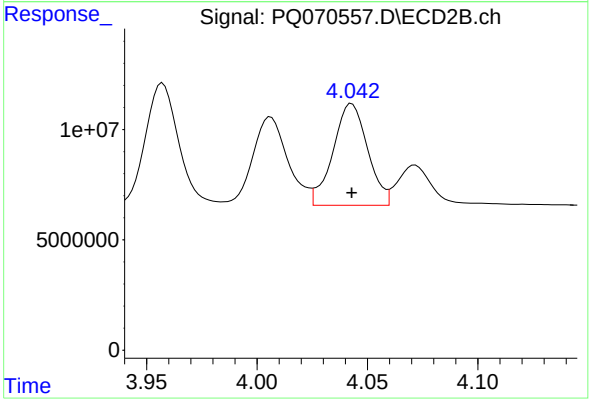
#13 AR-1232-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 58546174
Conc: 500.00 ng/ml



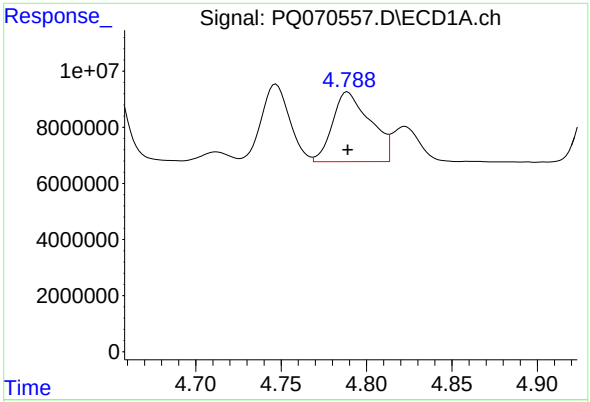
#14 AR-1232-4

R.T.: 4.650 min
Delta R.T.: 0.000 min
Response: 46262440
Conc: 500.00 ng/ml



#14 AR-1232-4

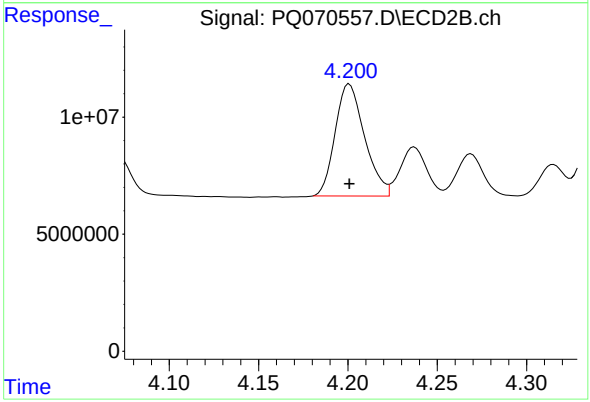
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 50393980
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 4.789 min
Delta R.T.: 0.000 min
Response: 38180427
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 54866898
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:44
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:25:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	905.5E6	1001.7E6	94.154	92.897
2)	SA Decachlor...	8.500	7.540	482.7E6	834.2E6	94.214	93.123
	Target Compounds						
16)	L4 AR-1242-1	4.483	3.781	237.0E6	279.8E6	902.114	901.520
17)	L4 AR-1242-2	4.502	3.797	366.5E6	416.7E6	919.374	918.350
18)	L4 AR-1242-3	4.560	3.957	224.7E6	230.0E6	901.226	895.559
19)	L4 AR-1242-4	4.650	4.043	185.3E6	211.0E6	902.319	880.802
20)	L4 AR-1242-5	5.356	4.538	188.0E6	267.7E6	930.954	901.861

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

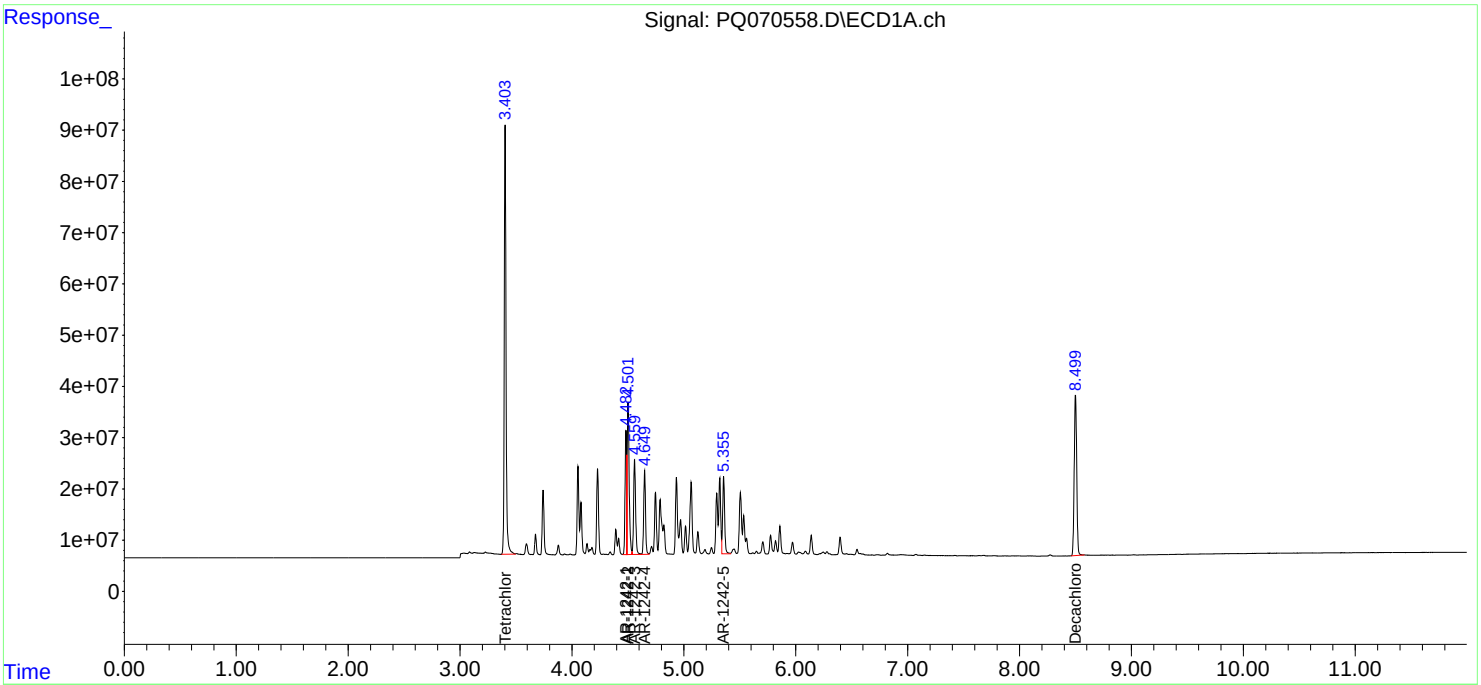
ICAL Form

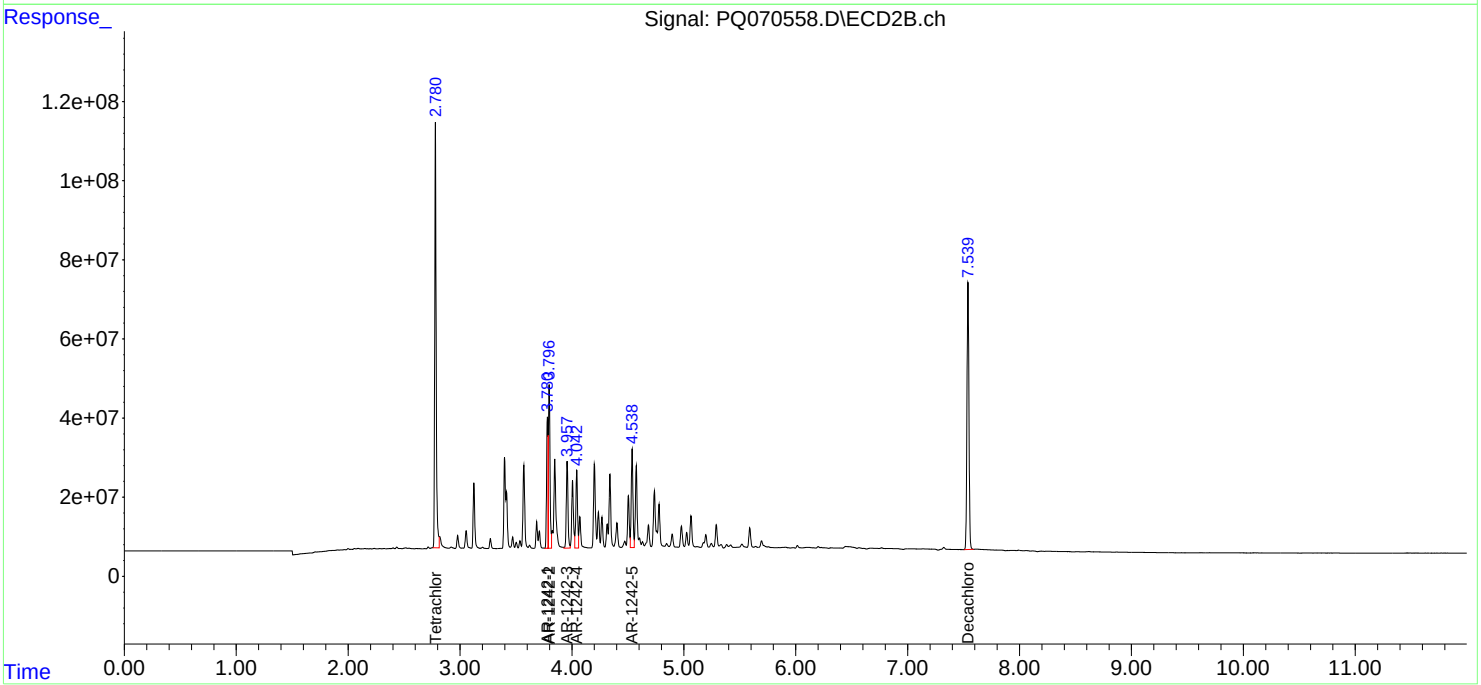
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:44
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

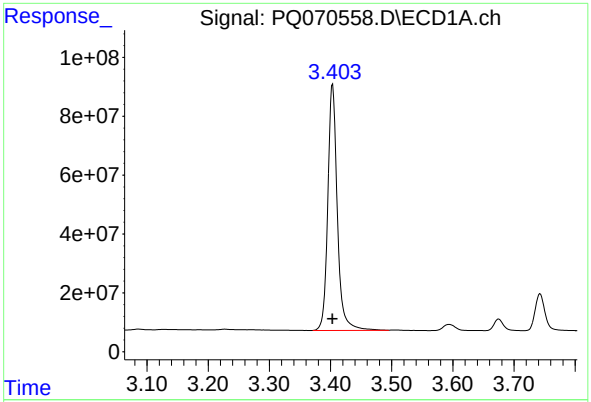
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:25:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



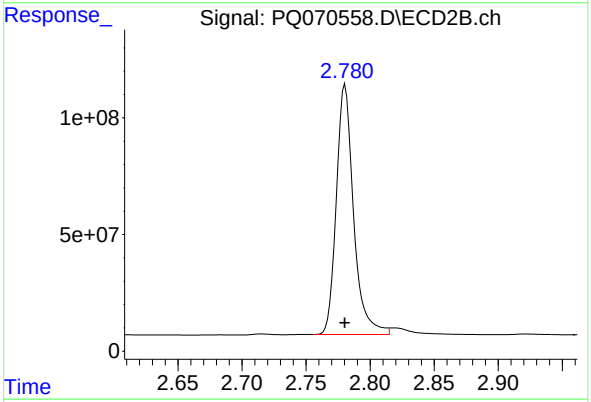




#1 Tetrachloro-m-xylene

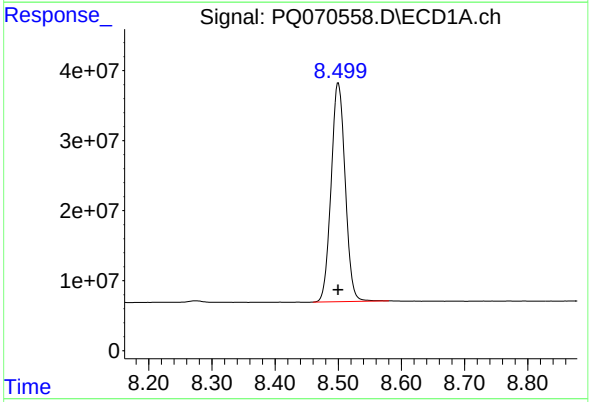
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 905481811
Conc: 94.15 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000



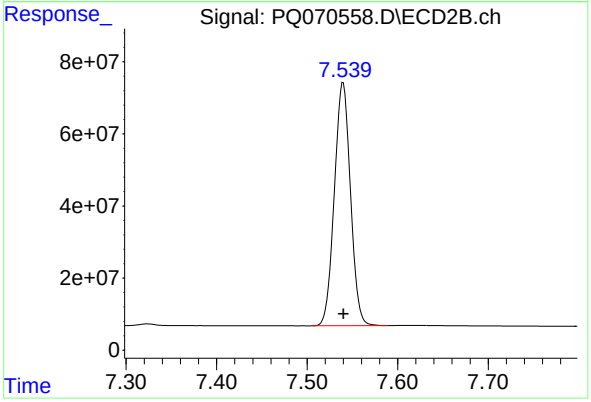
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 1001652868
Conc: 92.90 ng/ml



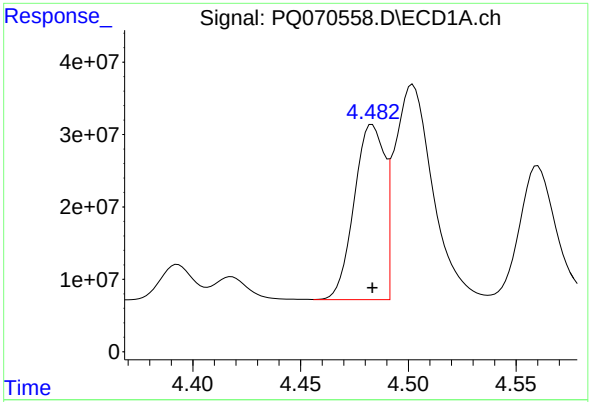
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 482713453
Conc: 94.21 ng/ml



#2 Decachlorobiphenyl

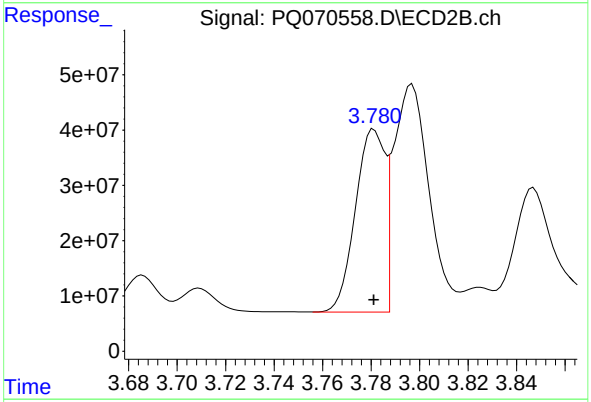
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 834210726
Conc: 93.12 ng/ml



#16 AR-1242-1

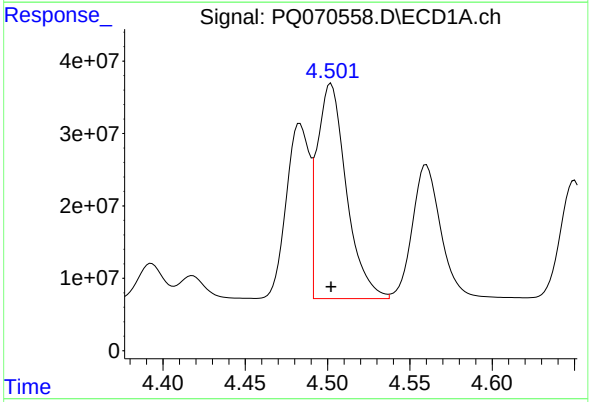
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 237040632
Conc: 902.11 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000



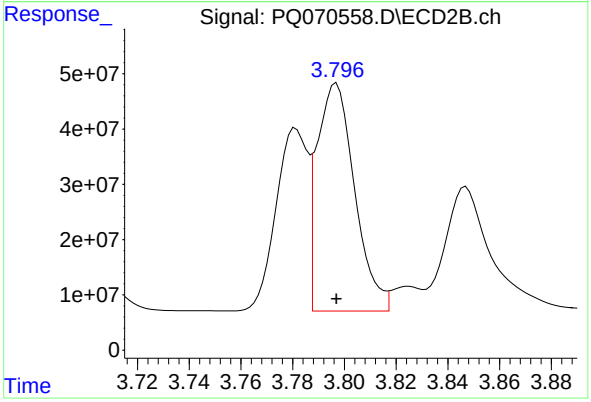
#16 AR-1242-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 279750975
Conc: 901.52 ng/ml



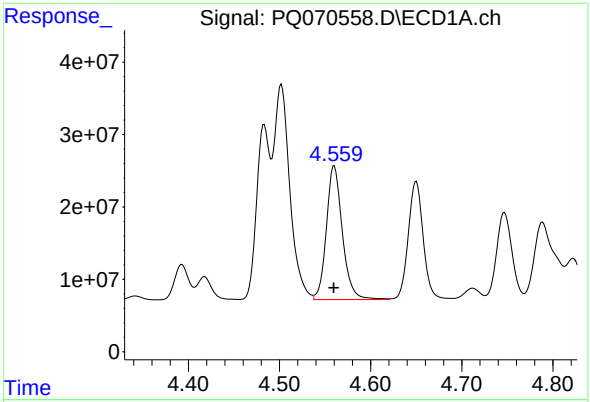
#17 AR-1242-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 366465915
Conc: 919.37 ng/ml



#17 AR-1242-2

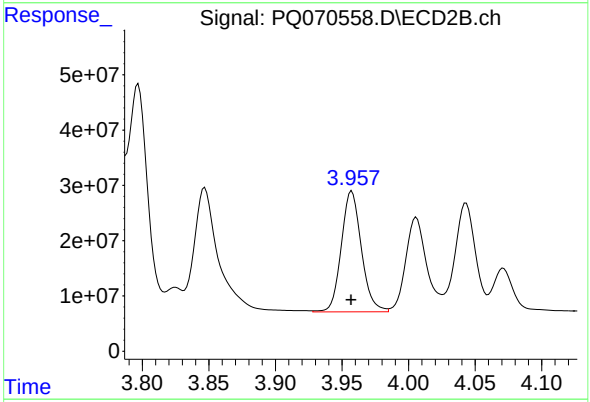
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 416719263
Conc: 918.35 ng/ml



#18 AR-1242-3

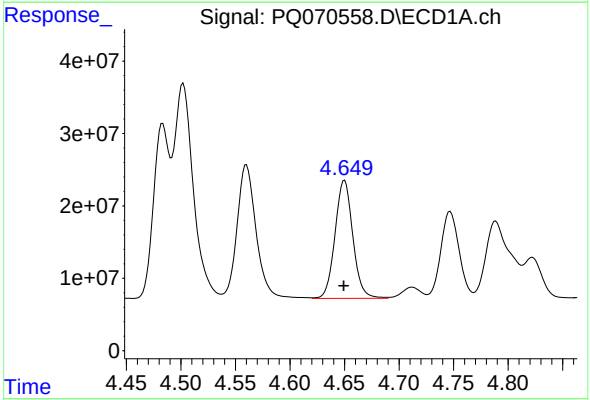
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 224665560
Conc: 901.23 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000



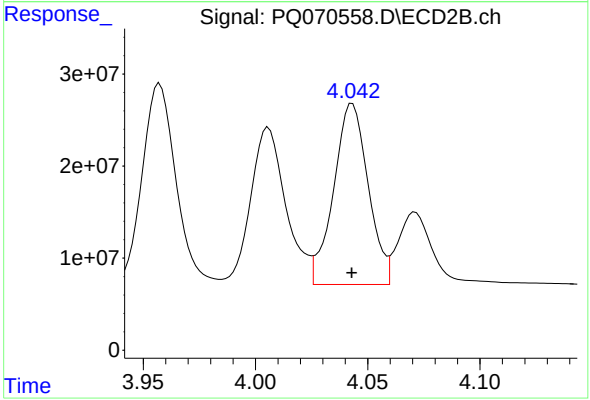
#18 AR-1242-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 229956103
Conc: 895.56 ng/ml



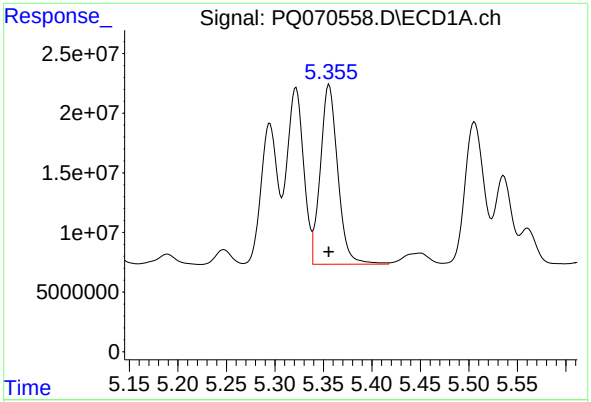
#19 AR-1242-4

R.T.: 4.650 min
Delta R.T.: 0.000 min
Response: 185314637
Conc: 902.32 ng/ml



#19 AR-1242-4

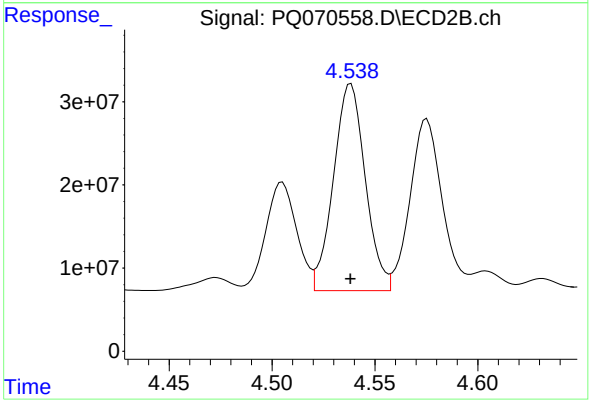
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 210990417
Conc: 880.80 ng/ml



#20 AR-1242-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 187989369
Conc: 930.95 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 267711406
Conc: 901.86 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:58
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:26:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	705.0E6	790.3E6	73.306	73.292
2)	SA Decachlor...	8.500	7.540	385.6E6	669.8E6	75.253	74.773
	Target Compounds						
16)	L4 AR-1242-1	4.483	3.781	189.1E6	220.6E6	719.828	710.872
17)	L4 AR-1242-2	4.502	3.797	291.6E6	336.1E6	731.508	740.768
18)	L4 AR-1242-3	4.559	3.957	180.7E6	184.1E6	725.027	716.782
19)	L4 AR-1242-4	4.649	4.043	149.2E6	171.7E6	726.556	716.658
20)	L4 AR-1242-5	5.355	4.538	149.3E6	214.3E6	739.579	721.960

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

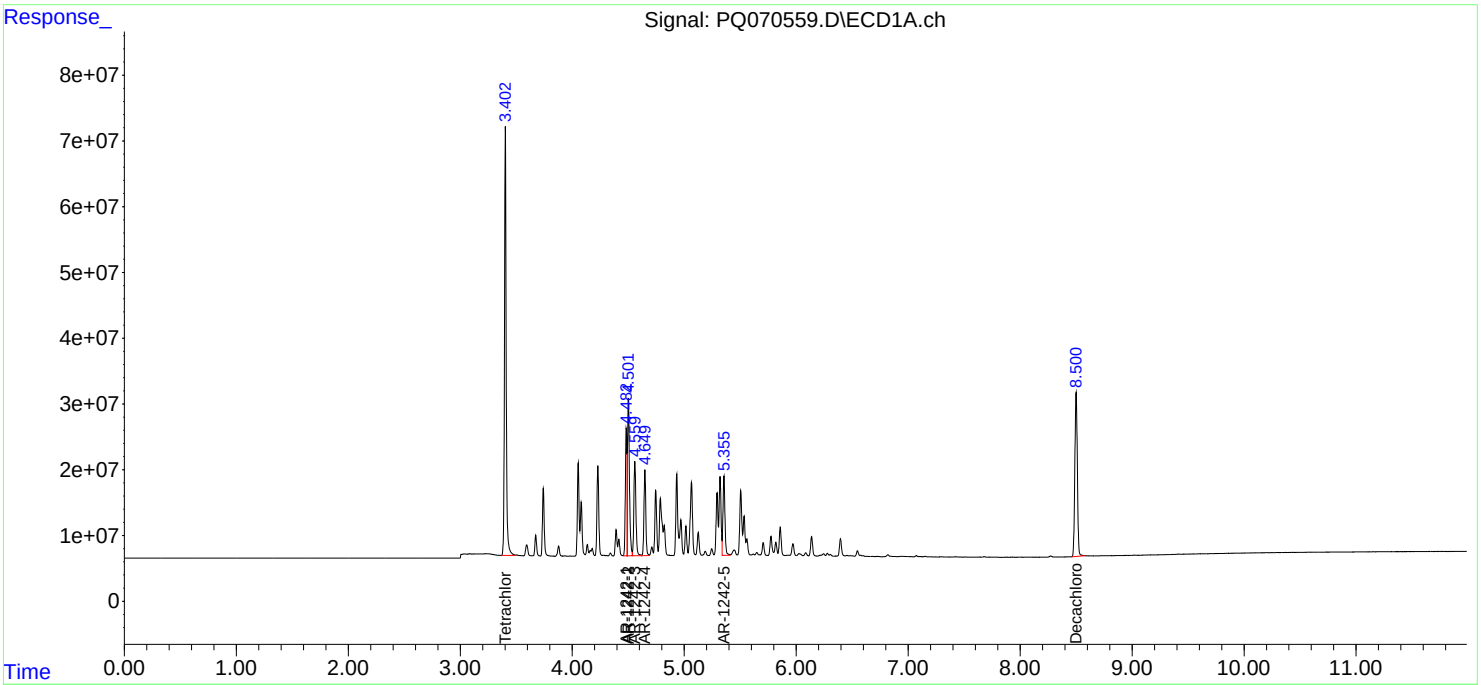
ICAL Form

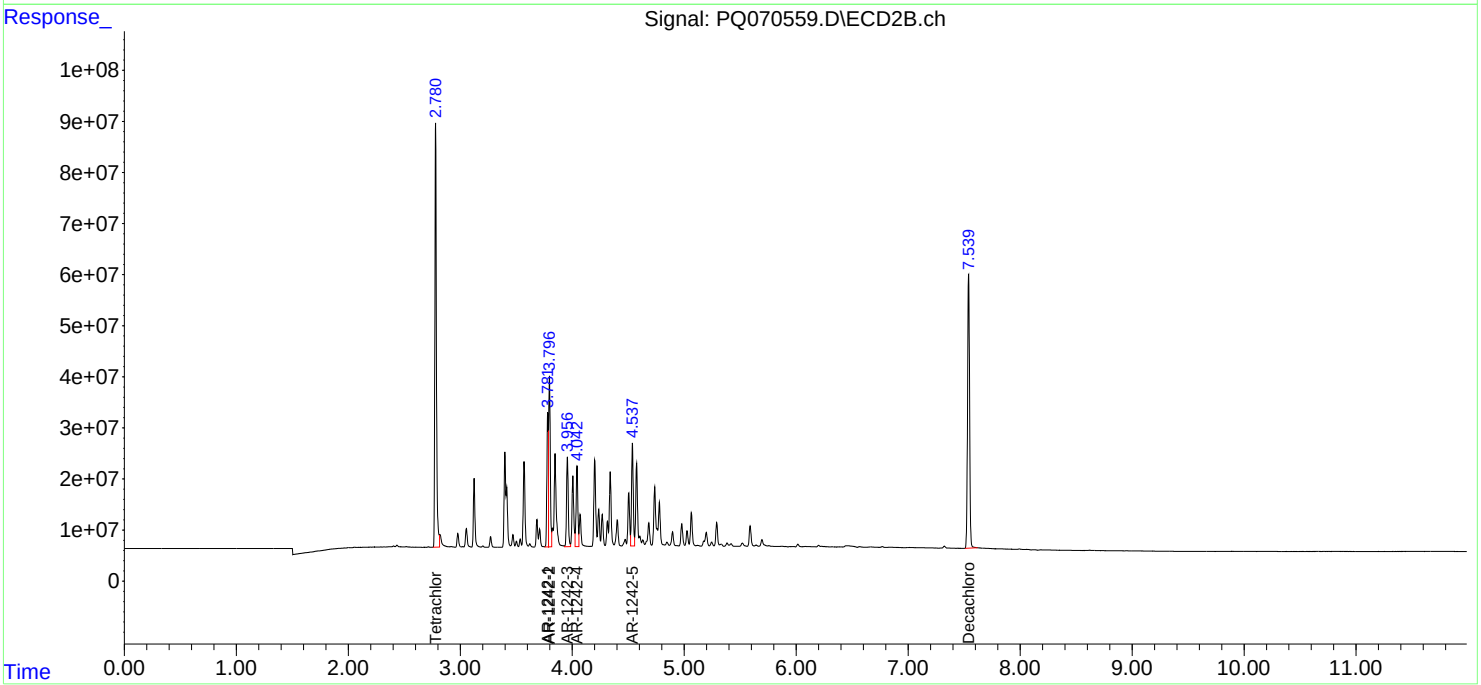
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:58
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

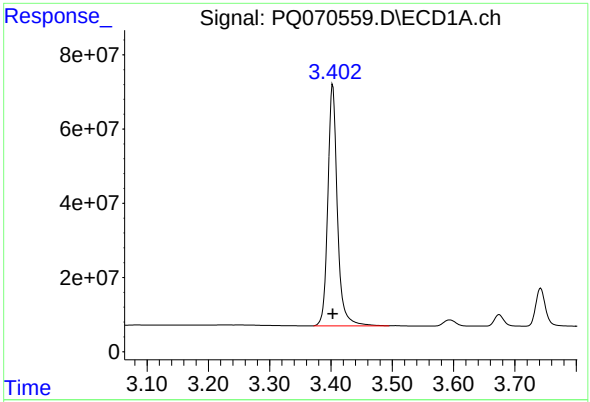
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:26:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



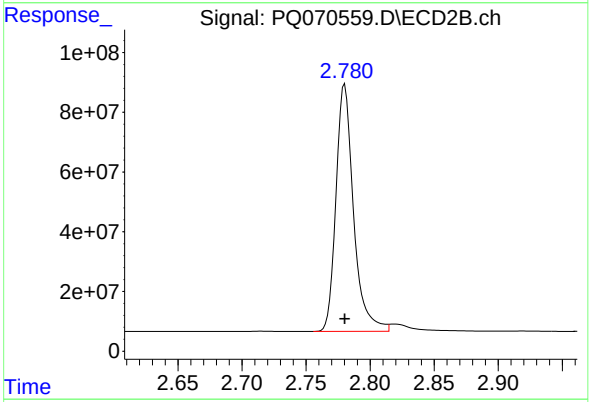




#1 Tetrachloro-m-xylene

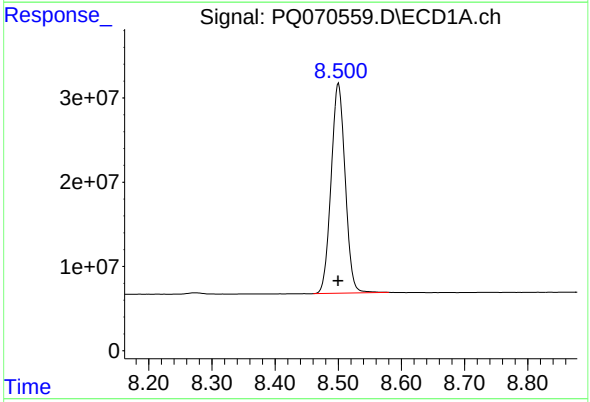
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 704987962
Conc: 73.31 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750



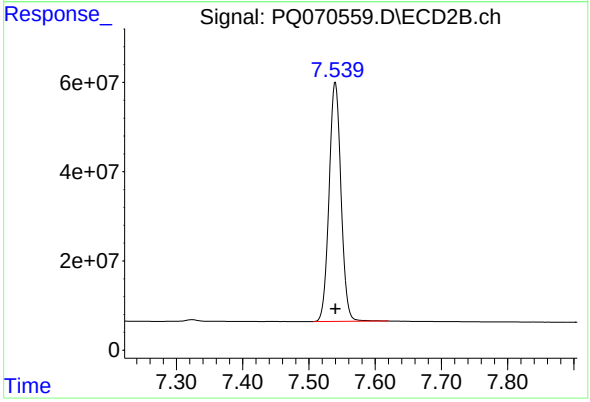
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 790267275
Conc: 73.29 ng/ml



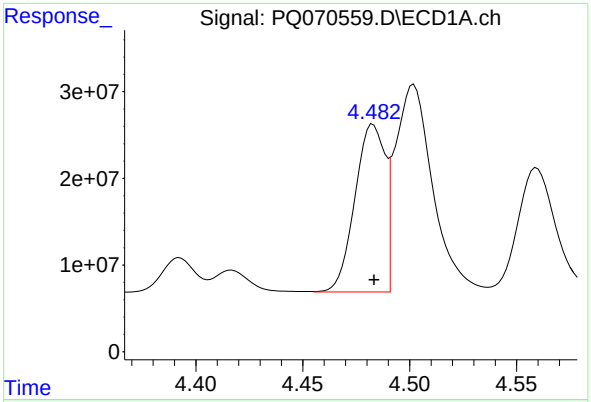
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 385564443
Conc: 75.25 ng/ml



#2 Decachlorobiphenyl

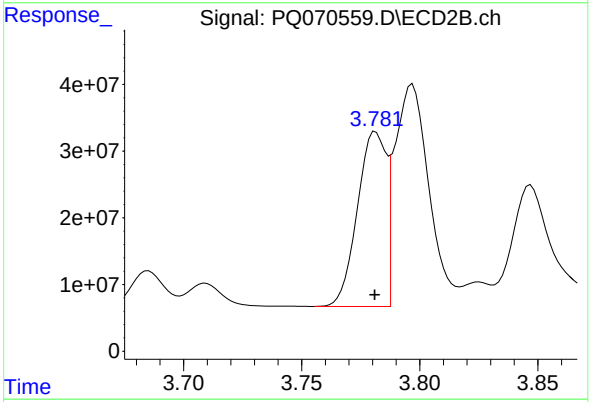
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 669827322
Conc: 74.77 ng/ml



#16 AR-1242-1

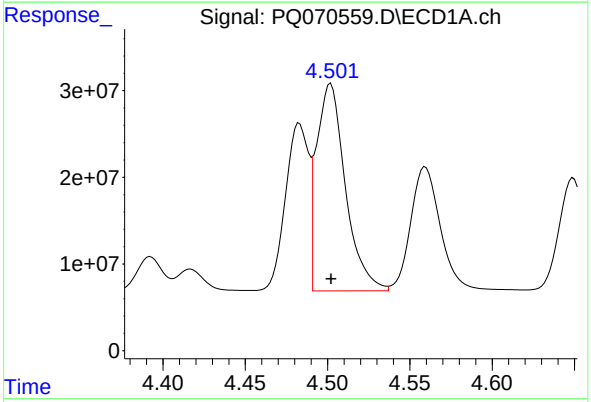
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 189142941
Conc: 719.83 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750



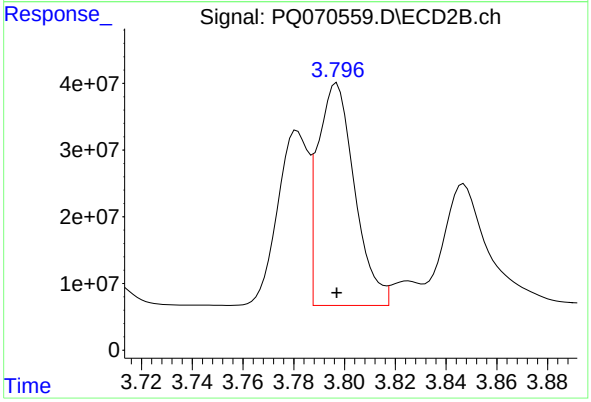
#16 AR-1242-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 220590958
Conc: 710.87 ng/ml



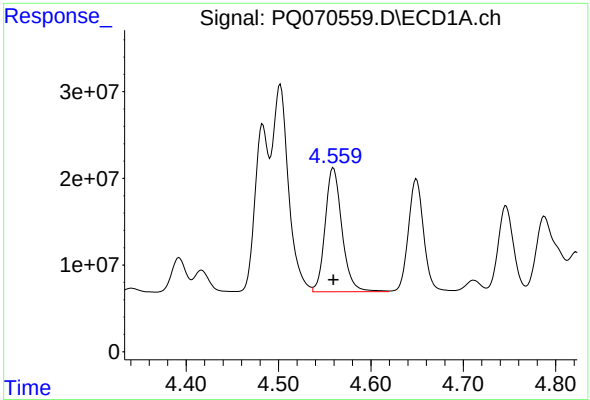
#17 AR-1242-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 291581922
Conc: 731.51 ng/ml



#17 AR-1242-2

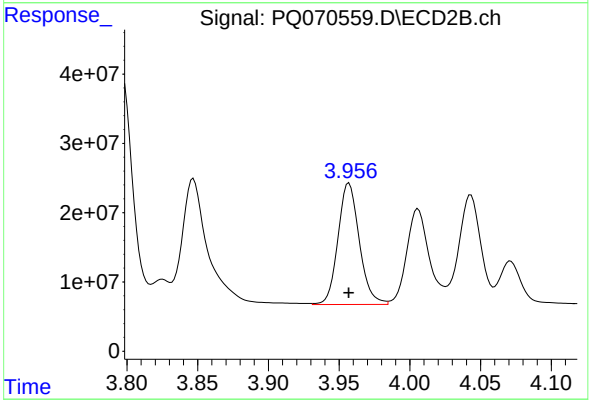
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 336137825
Conc: 740.77 ng/ml



#18 AR-1242-3

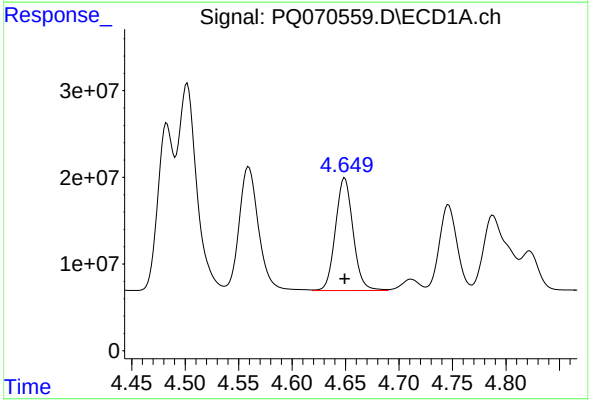
R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 180741089
Conc: 725.03 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750



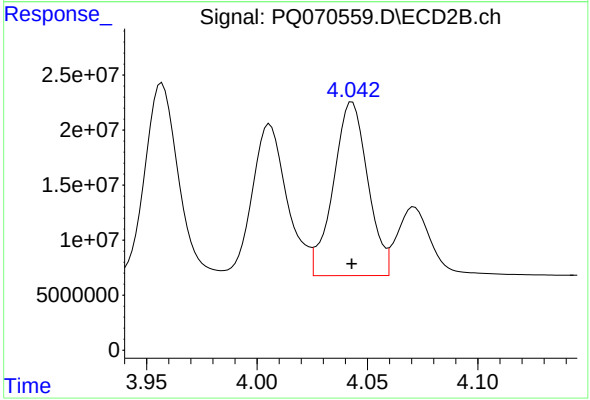
#18 AR-1242-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 184050638
Conc: 716.78 ng/ml



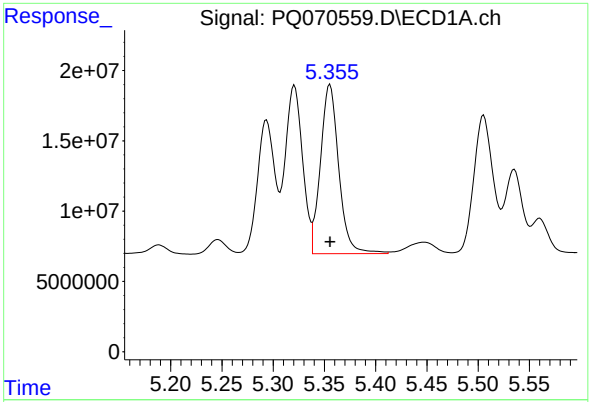
#19 AR-1242-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 149217218
Conc: 726.56 ng/ml



#19 AR-1242-4

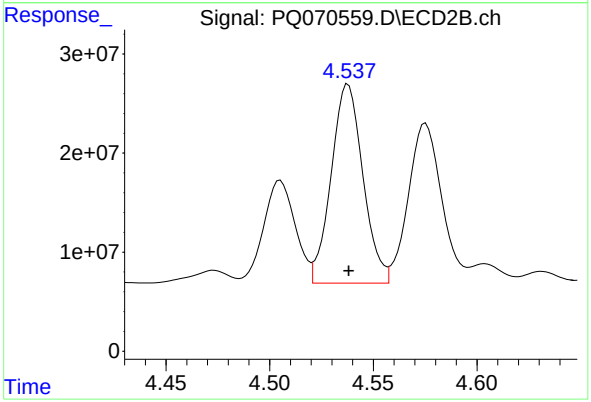
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 171670678
Conc: 716.66 ng/ml



#20 AR-1242-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 149344658
Conc: 739.58 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 214309039
Conc: 721.96 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:13
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:26:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	480.9E6	539.1E6	50.000	50.000
2)	SA Decachlor...	8.500	7.540	256.2E6	447.9E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	4.483	3.781	131.4E6	155.2E6	500.000	500.000
17)	L4 AR-1242-2	4.502	3.797	199.3E6	226.9E6	500.000	500.000
18)	L4 AR-1242-3	4.559	3.957	124.6E6	128.4E6	500.000	500.000
19)	L4 AR-1242-4	4.649	4.043	102.7E6	119.8E6	500.000	500.000
20)	L4 AR-1242-5	5.356	4.538	101.0E6	148.4E6	500.000	500.000

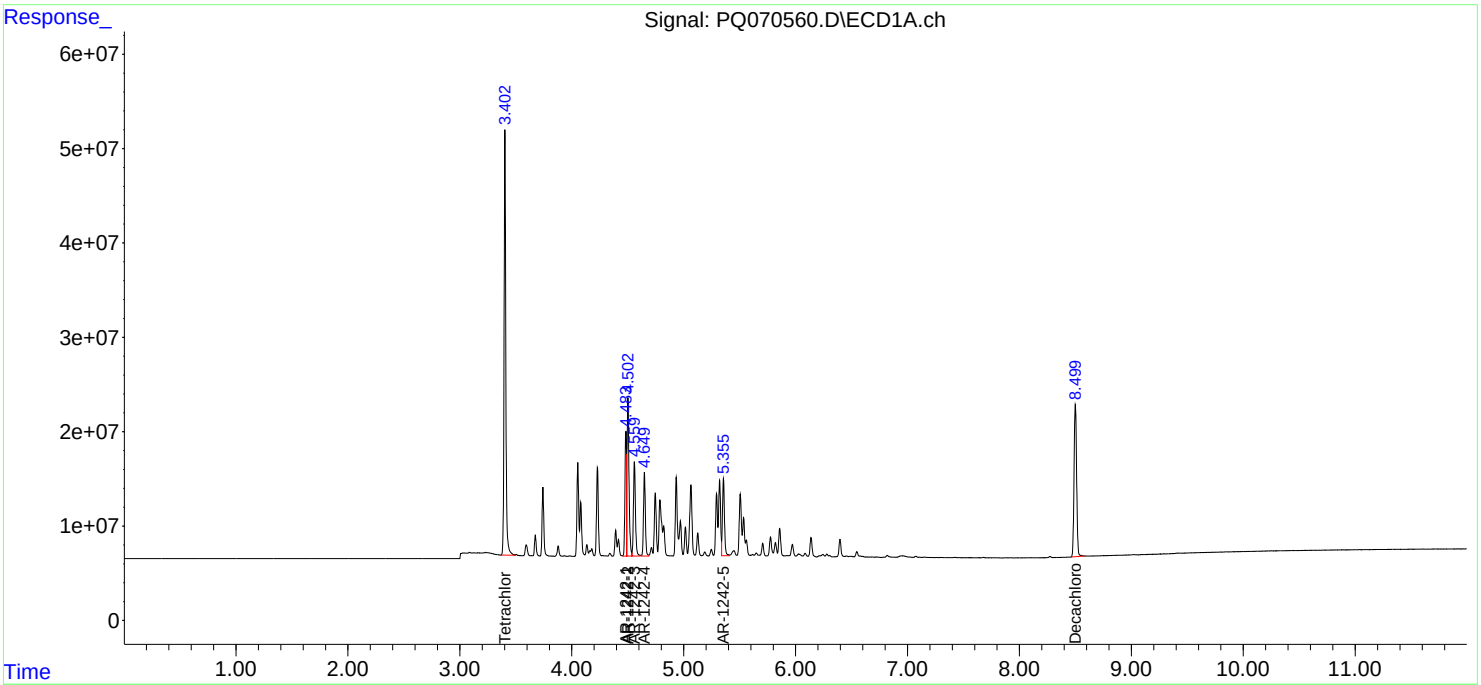
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

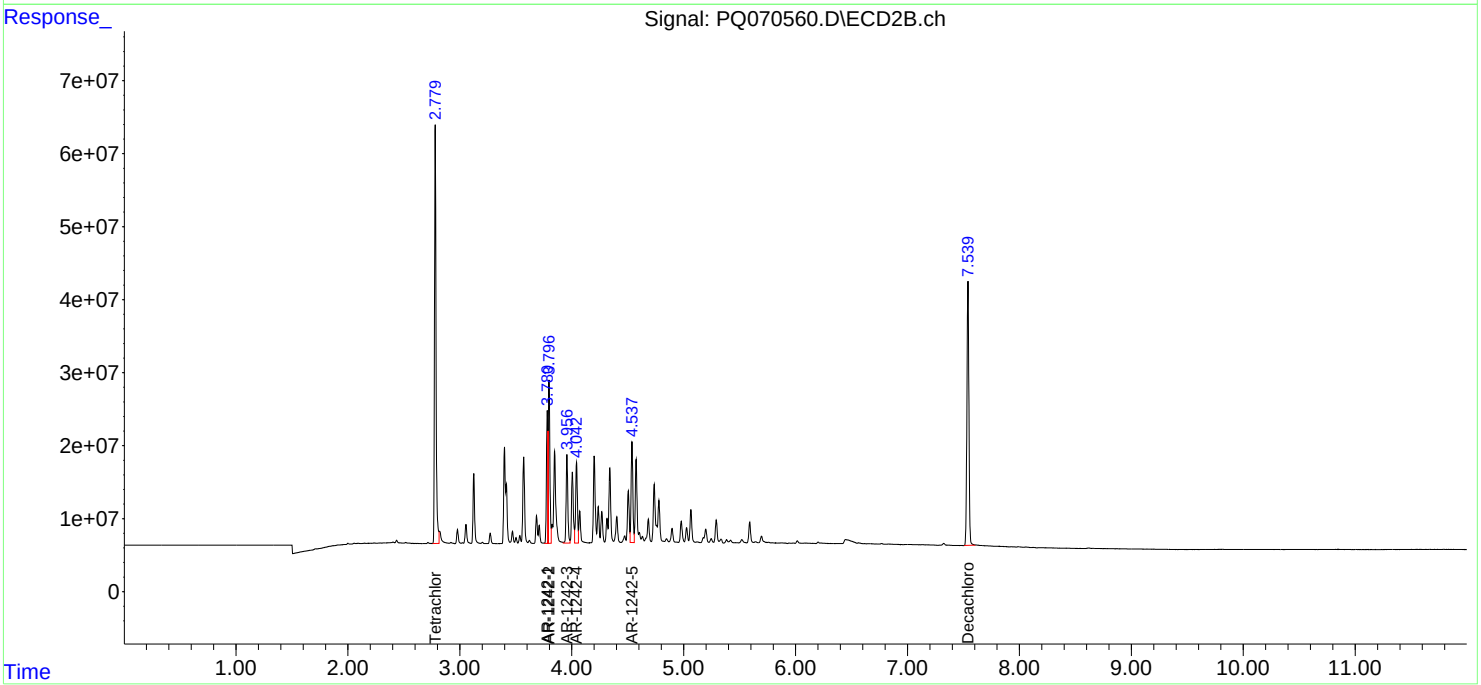
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:13
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

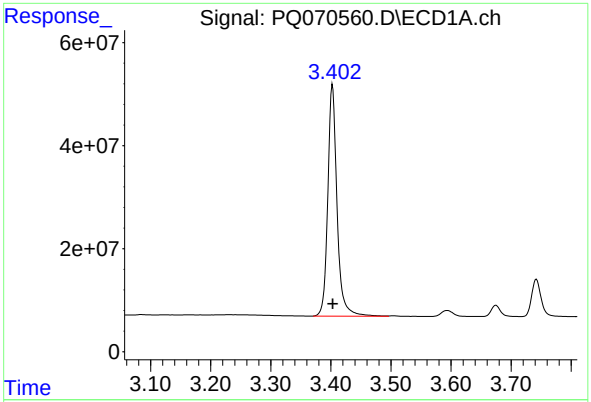
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:26:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



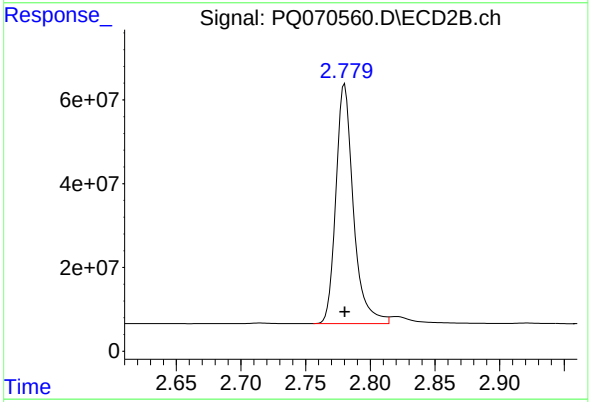




#1 Tetrachloro-m-xylene

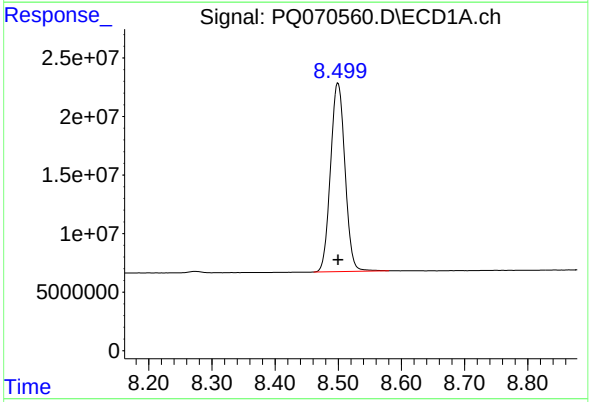
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 480852030
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500



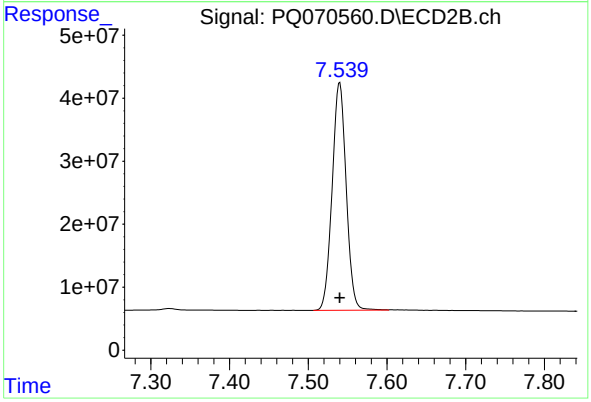
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 539122583
Conc: 50.00 ng/ml



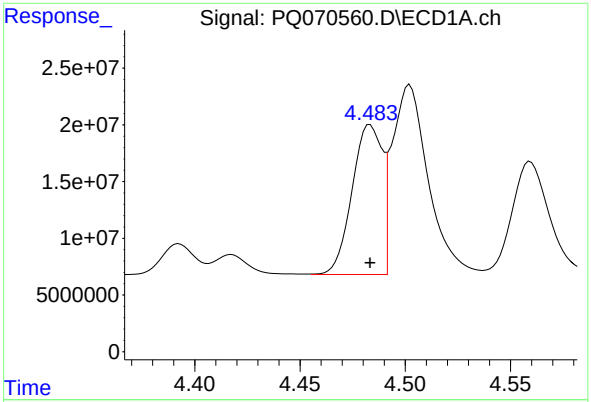
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 256179260
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

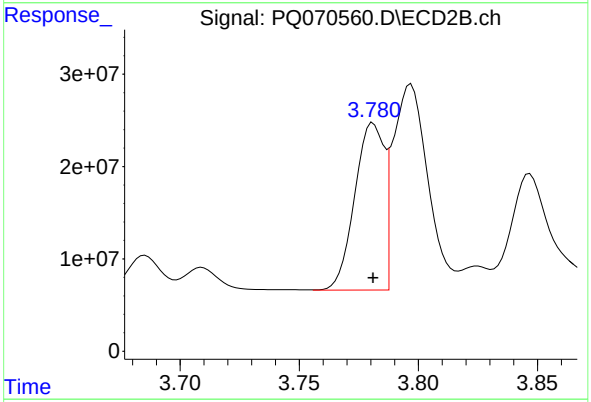
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 447907540
Conc: 50.00 ng/ml



#16 AR-1242-1

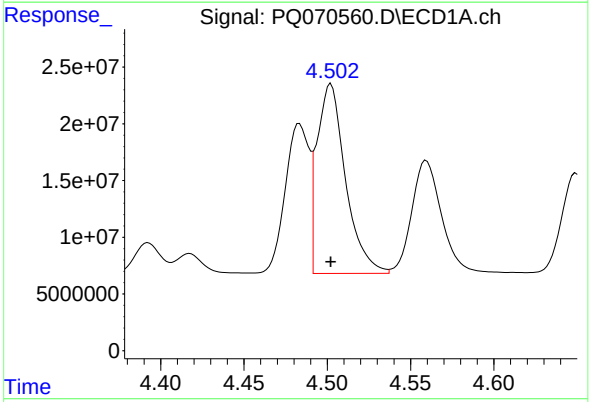
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 131380577
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500



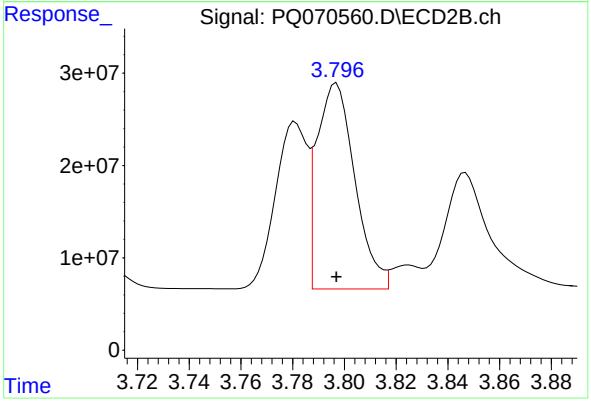
#16 AR-1242-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 155155226
Conc: 500.00 ng/ml



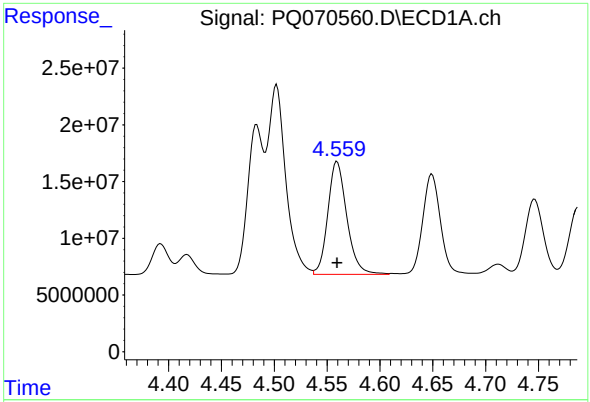
#17 AR-1242-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 199301914
Conc: 500.00 ng/ml



#17 AR-1242-2

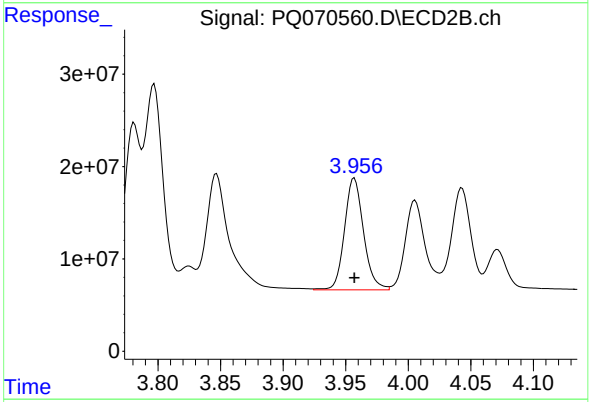
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 226884780
Conc: 500.00 ng/ml



#18 AR-1242-3

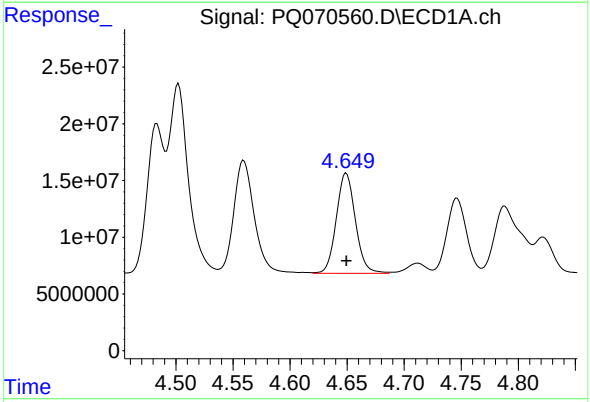
R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 124644381
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500



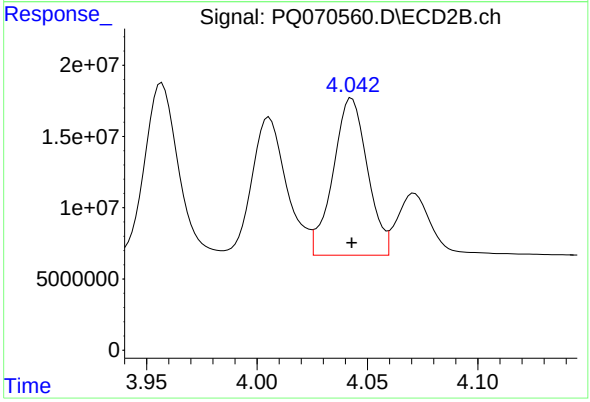
#18 AR-1242-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 128386845
Conc: 500.00 ng/ml



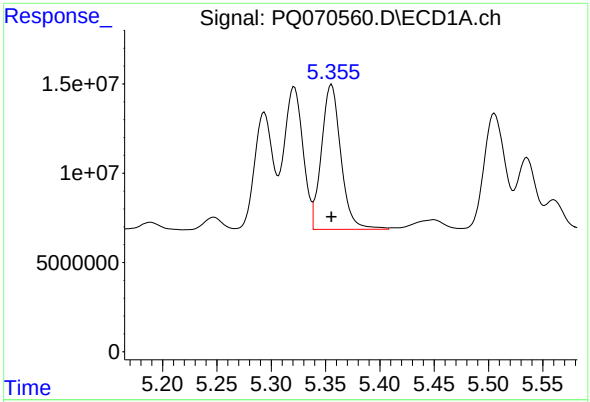
#19 AR-1242-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 102688026
Conc: 500.00 ng/ml



#19 AR-1242-4

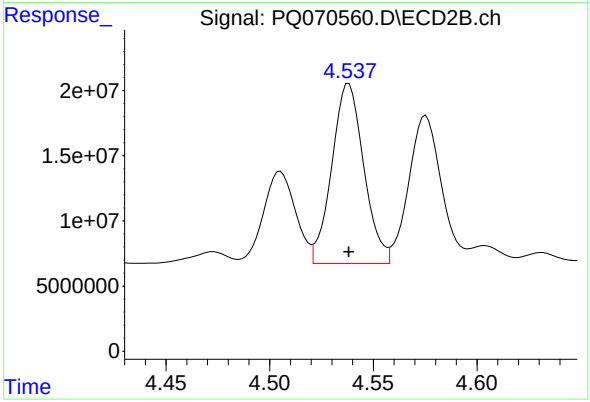
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 119771767
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 100965933
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 148421650
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:28
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 06:00:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	176.7E6	201.7E6	18.374	18.704
2)	SA Decachlor...	8.499	7.540	112.2E6	201.5E6	21.897	22.492
	Target Compounds						
16)	L4 AR-1242-1	4.483	3.781	49116277	60267200	186.924	194.216
17)	L4 AR-1242-2	4.502	3.797	75070186	88664522	188.333	195.395
18)	L4 AR-1242-3	4.560	3.957	47163397	49506819	189.192	192.803
19)	L4 AR-1242-4	4.649	4.043	38191539	46797075	185.959	195.359
20)	L4 AR-1242-5	5.355	4.538	38794353	59259367	192.116	199.632

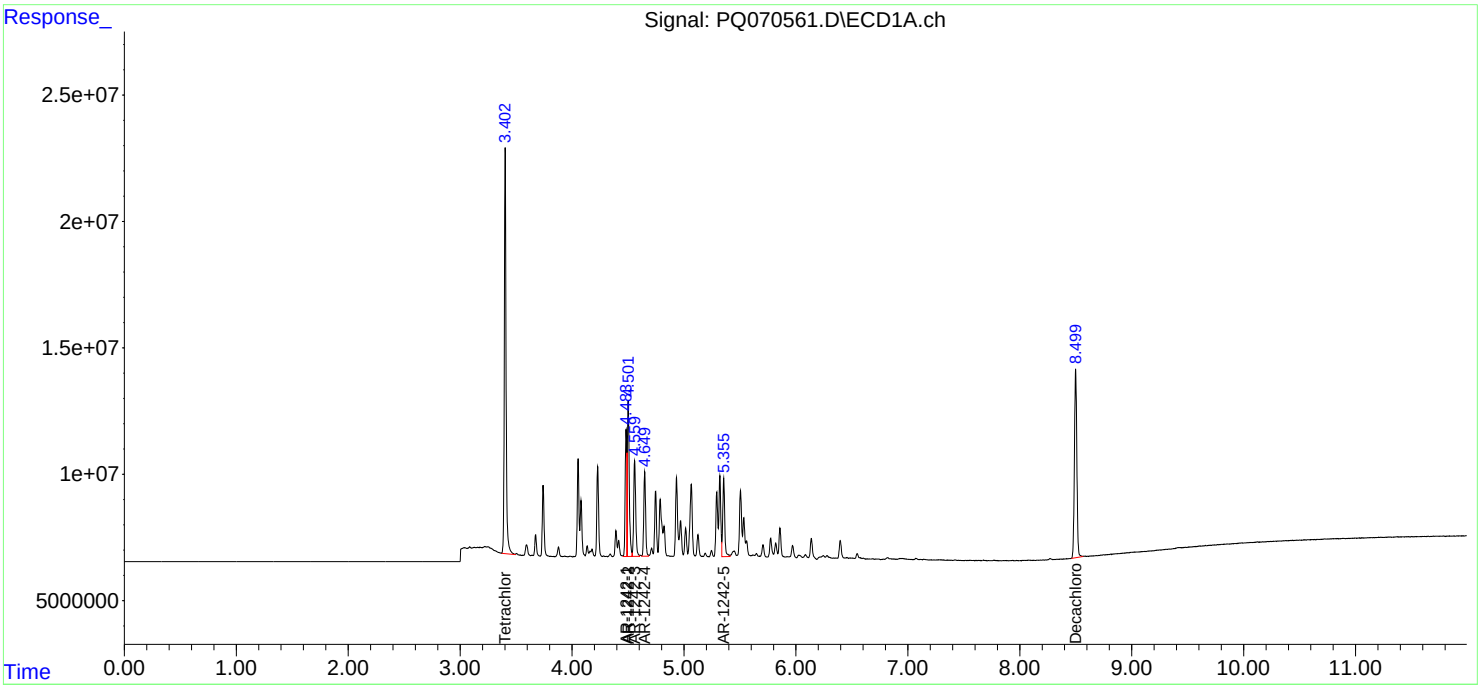
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

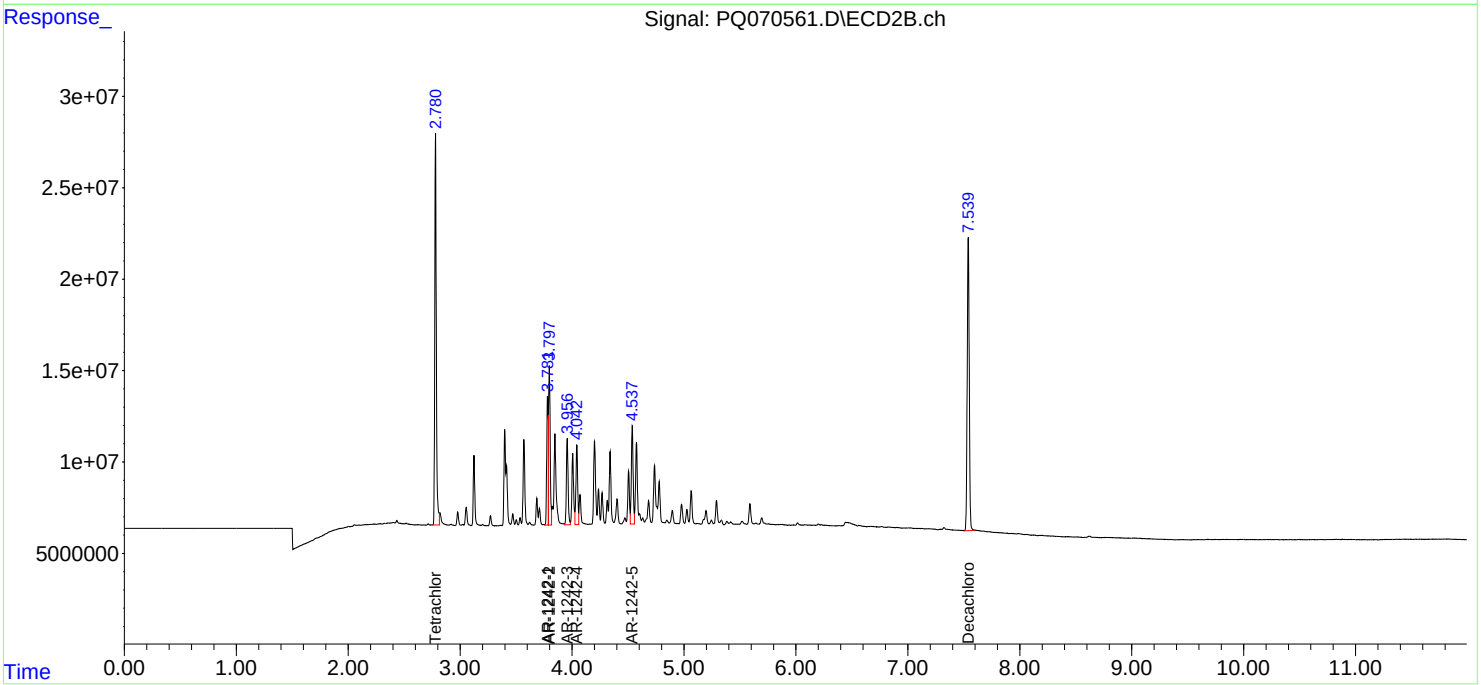
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:28
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

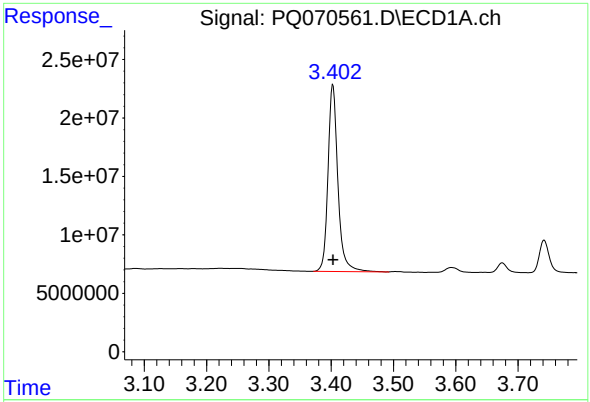
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 06:00:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



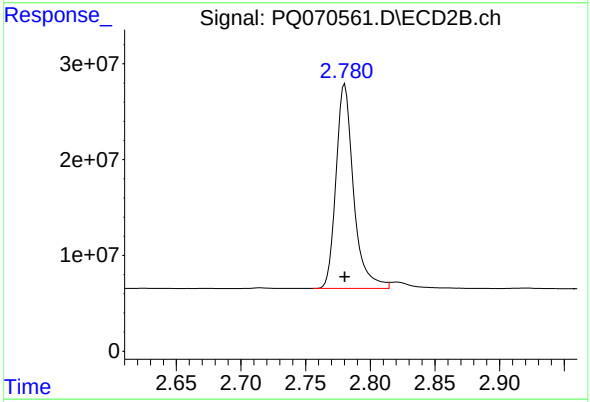




#1 Tetrachloro-m-xylene

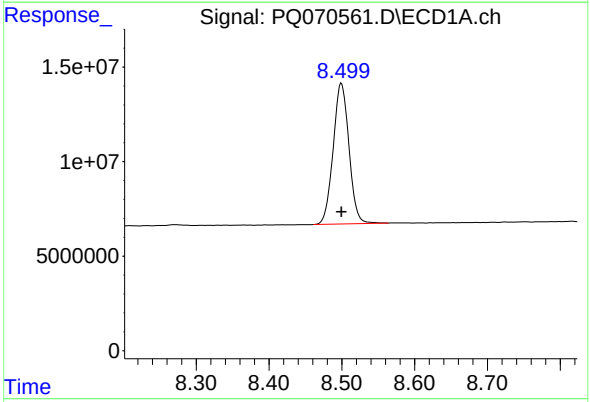
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 176701549
Conc: 18.37 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250



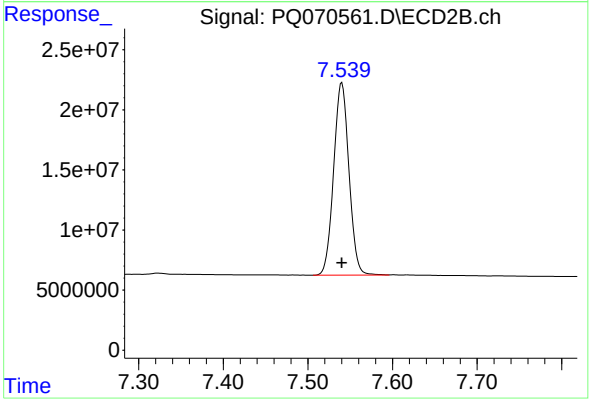
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 201673972
Conc: 18.70 ng/ml



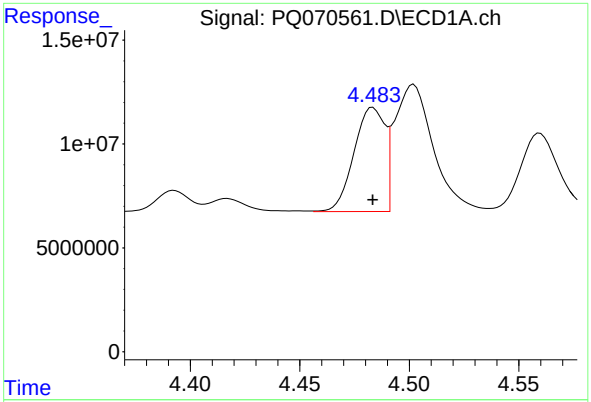
#2 Decachlorobiphenyl

R.T.: 8.499 min
Delta R.T.: 0.000 min
Response: 112191722
Conc: 21.90 ng/ml



#2 Decachlorobiphenyl

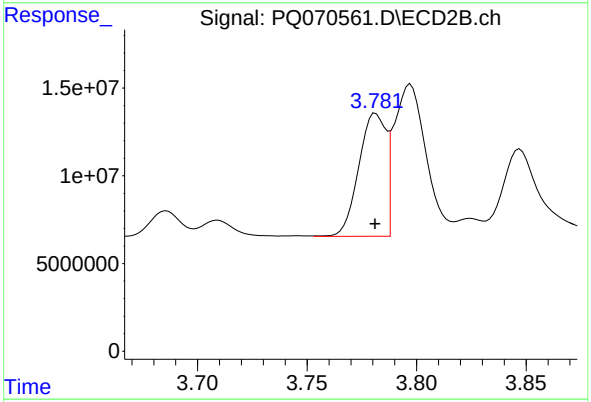
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 201486711
Conc: 22.49 ng/ml



#16 AR-1242-1

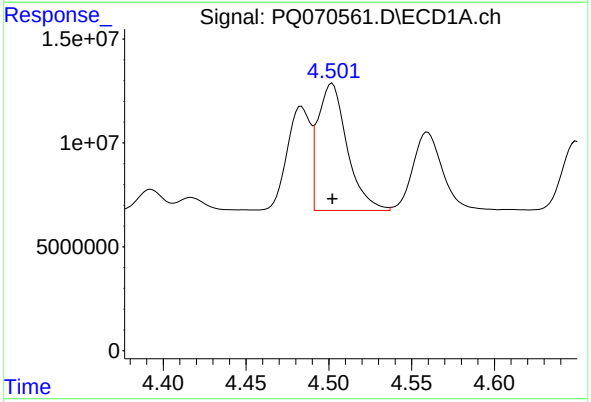
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 49116277
Conc: 186.92 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250



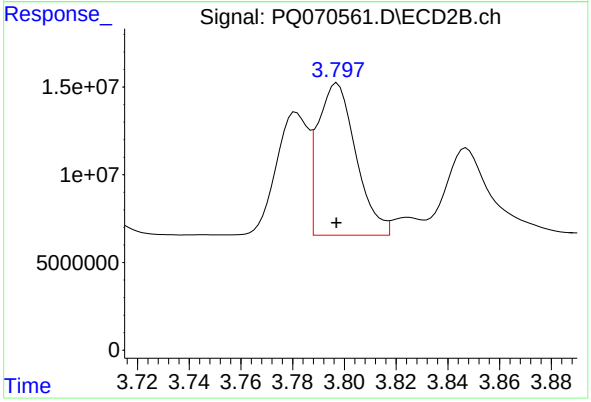
#16 AR-1242-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 60267200
Conc: 194.22 ng/ml



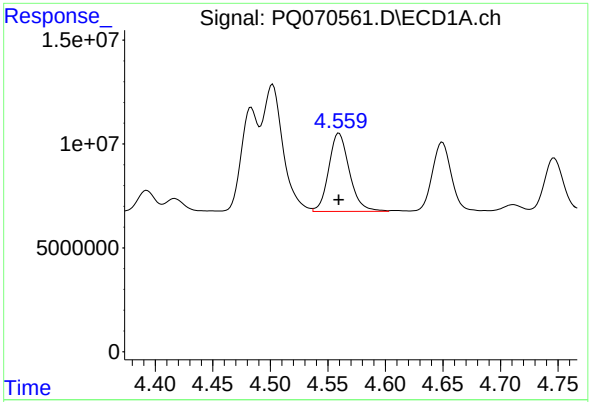
#17 AR-1242-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 75070186
Conc: 188.33 ng/ml



#17 AR-1242-2

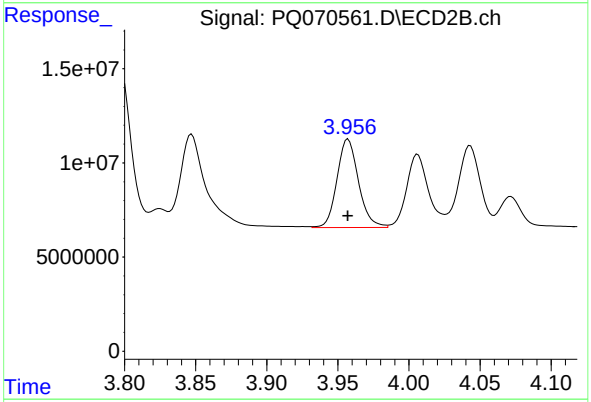
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 88664522
Conc: 195.40 ng/ml



#18 AR-1242-3

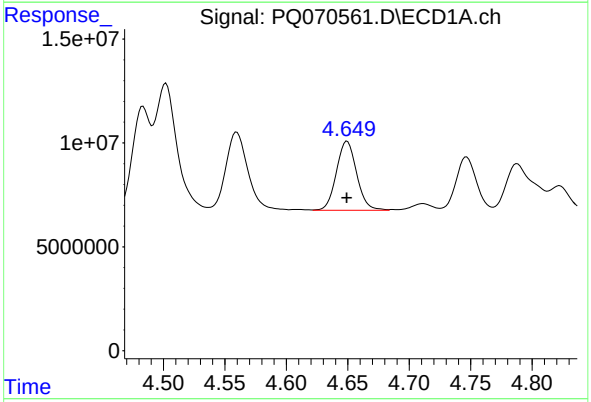
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 47163397
Conc: 189.19 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250



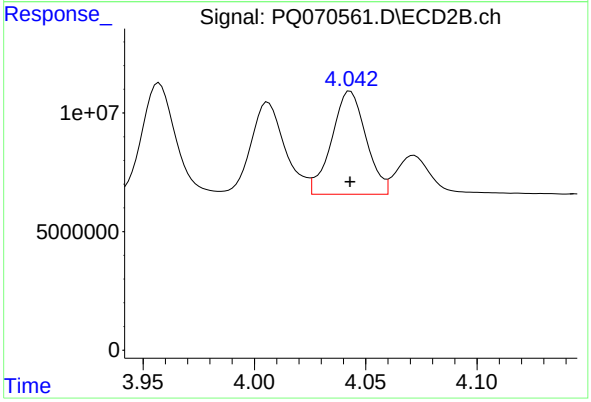
#18 AR-1242-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 49506819
Conc: 192.80 ng/ml



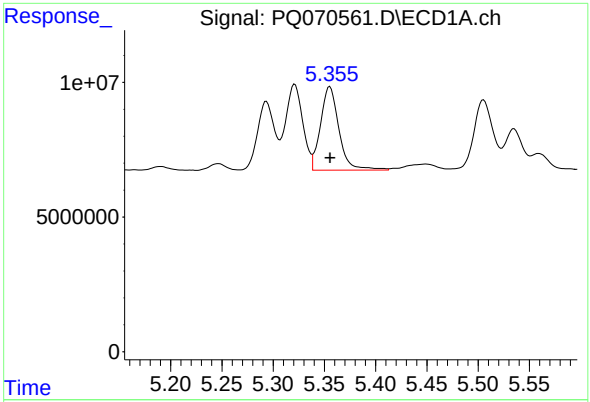
#19 AR-1242-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 38191539
Conc: 185.96 ng/ml



#19 AR-1242-4

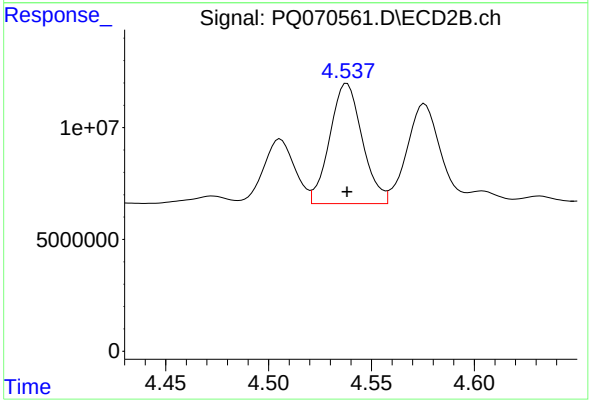
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 46797075
Conc: 195.36 ng/ml



#20 AR-1242-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 38794353
Conc: 192.12 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 59259367
Conc: 199.63 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:42
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 06:01:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	37247338	43539555	3.873	4.038
2)	SA Decachlor...	8.500	7.540	22038968	41599586	4.301	4.644
	Target Compounds						
16)	L4 AR-1242-1	4.483	3.781	10414591	13524367	39.635	43.583
17)	L4 AR-1242-2	4.502	3.797	16017578	19141342	40.184	42.183
18)	L4 AR-1242-3	4.560	3.958	9735427	11075364	39.053	43.133
19)	L4 AR-1242-4	4.649	4.044	7976901	10654959	38.840	44.480
20)	L4 AR-1242-5	5.355	4.538	7451054	13325198	36.899	44.890

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

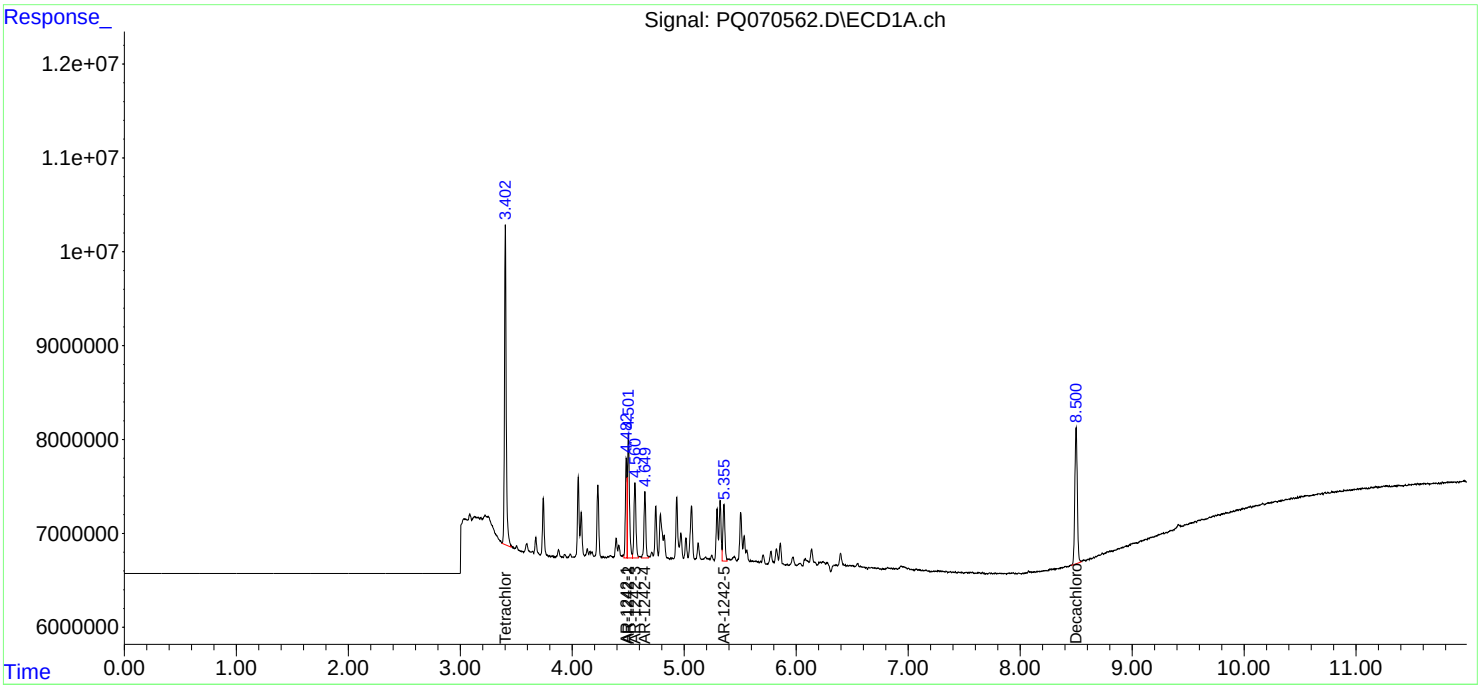
ICAL Form

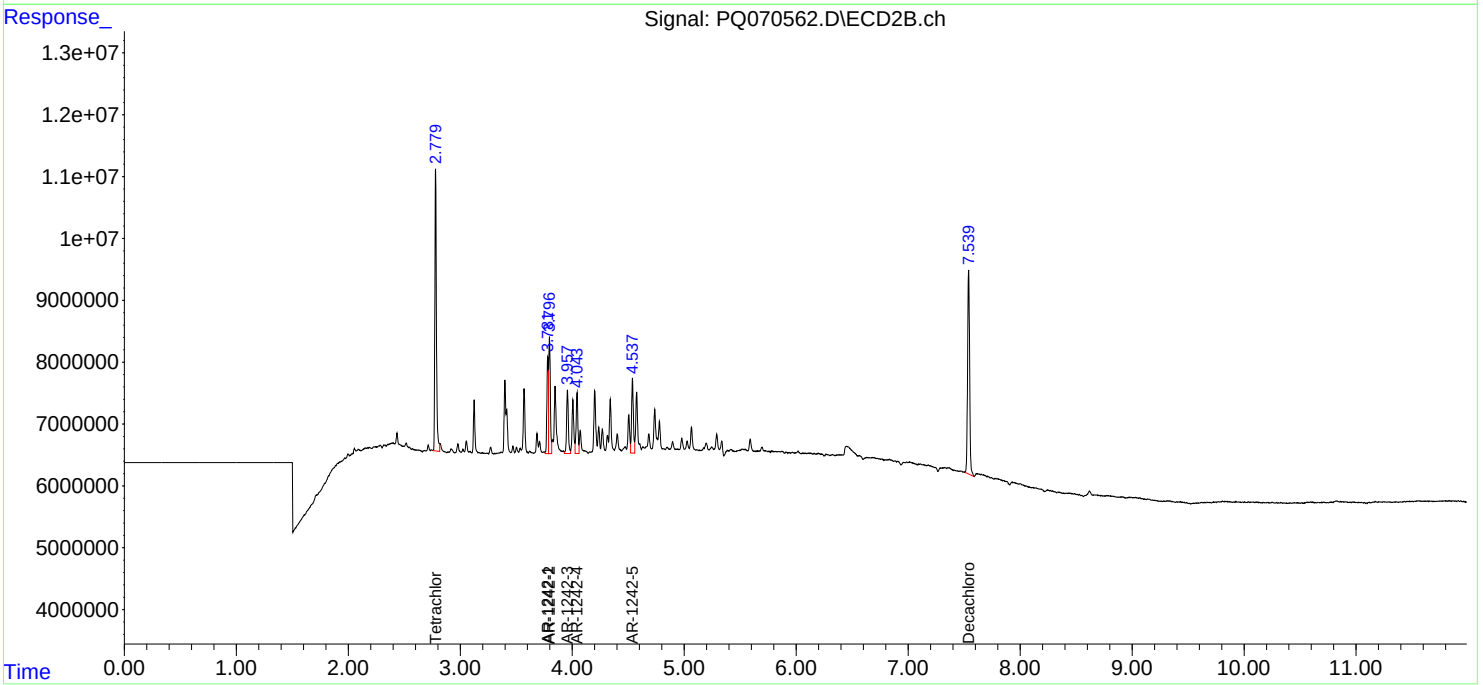
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:42
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

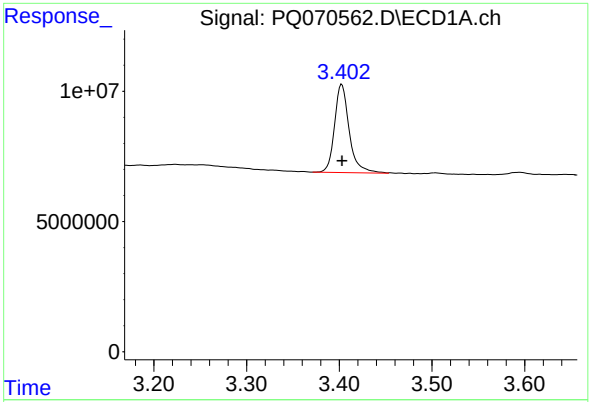
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 06:01:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



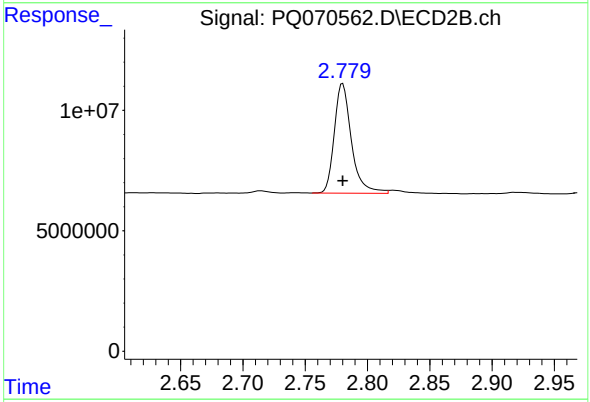




#1 Tetrachloro-m-xylene

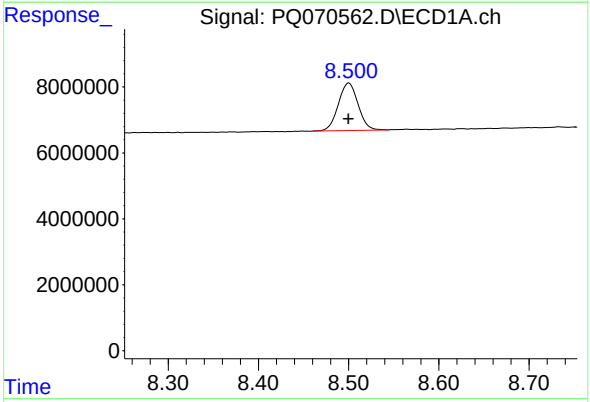
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 37247338
Conc: 3.87 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050



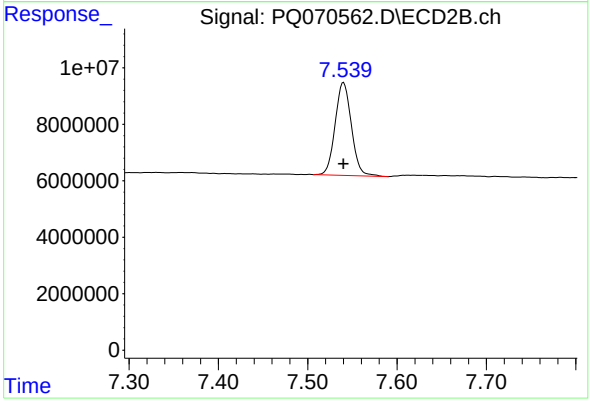
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 43539555
Conc: 4.04 ng/ml



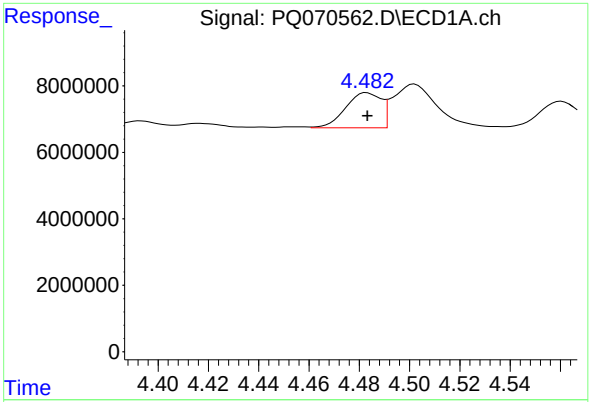
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 22038968
Conc: 4.30 ng/ml



#2 Decachlorobiphenyl

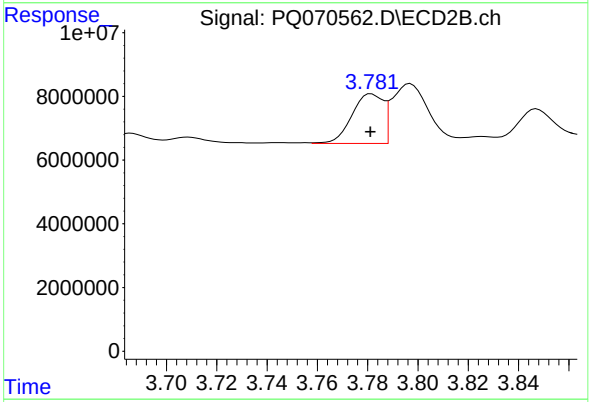
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 41599586
Conc: 4.64 ng/ml



#16 AR-1242-1

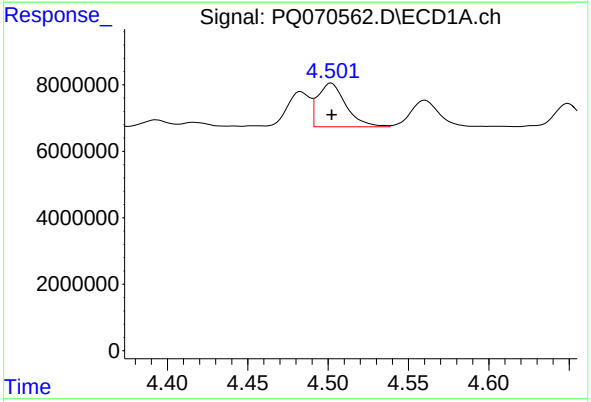
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 10414591
Conc: 39.64 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050



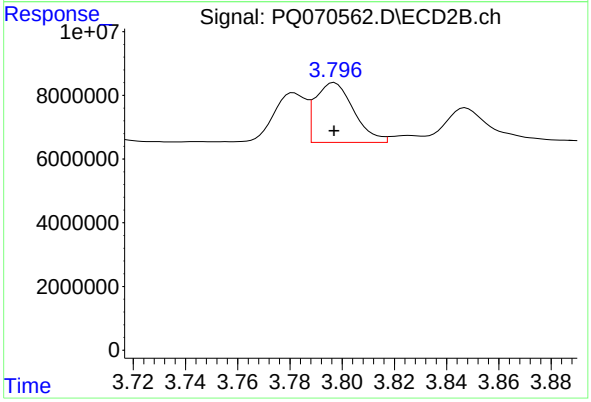
#16 AR-1242-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 13524367
Conc: 43.58 ng/ml



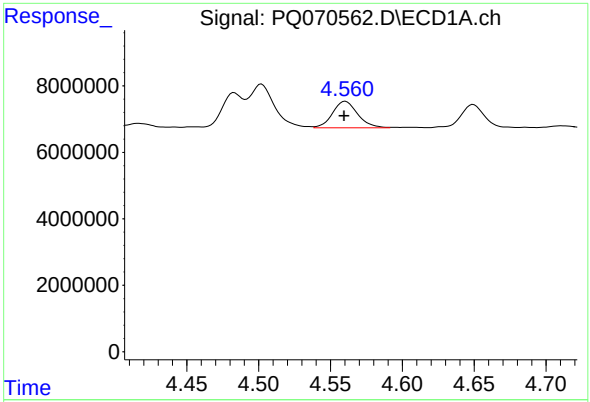
#17 AR-1242-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 16017578
Conc: 40.18 ng/ml



#17 AR-1242-2

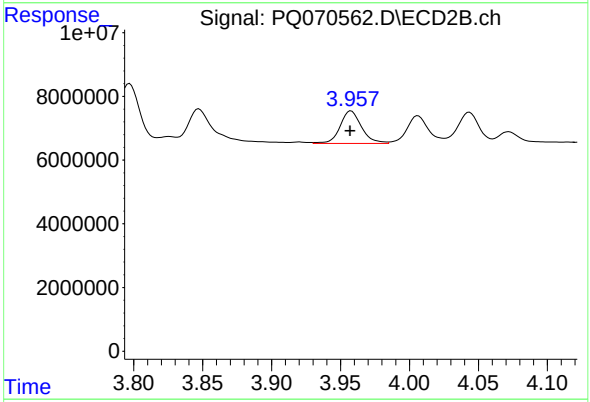
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 19141342
Conc: 42.18 ng/ml



#18 AR-1242-3

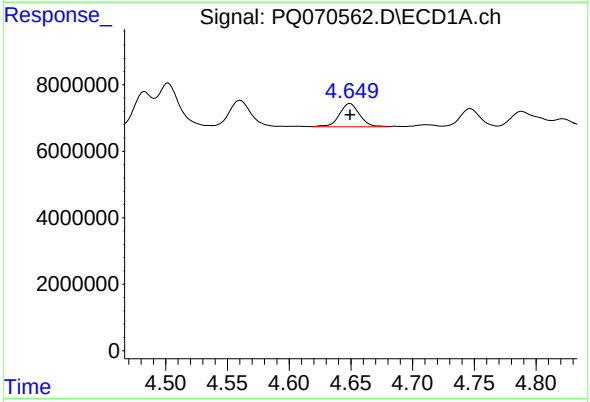
R.T.: 4.560 min
Delta R.T.: 0.001 min
Response: 9735427
Conc: 39.05 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050



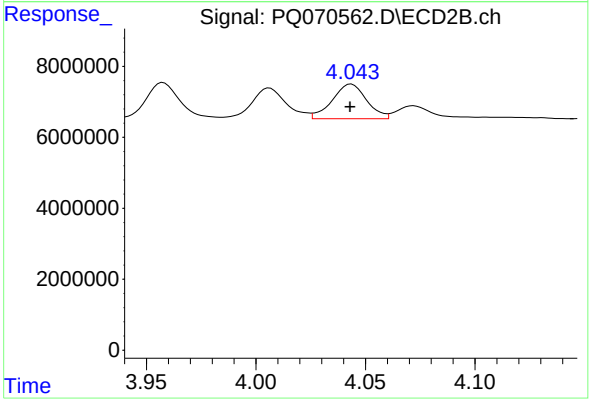
#18 AR-1242-3

R.T.: 3.958 min
Delta R.T.: 0.000 min
Response: 11075364
Conc: 43.13 ng/ml



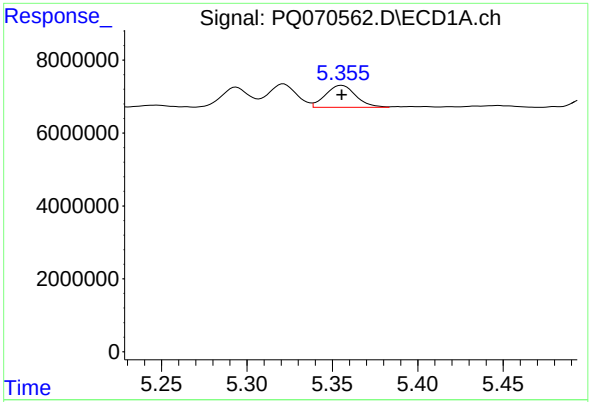
#19 AR-1242-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 7976901
Conc: 38.84 ng/ml



#19 AR-1242-4

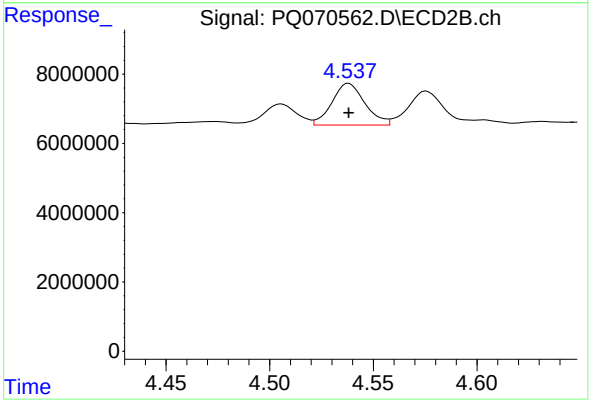
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 10654959
Conc: 44.48 ng/ml



#20 AR-1242-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 7451054
Conc: 36.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 13325198
Conc: 44.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:57
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	704.7E6	825.9E6	94.457	94.709
2)	SA Decachlor...	8.500	7.541	407.7E6	730.3E6	93.347	93.123
	Target Compounds						
21)	L5 AR-1248-1	4.484	3.781	140.8E6	169.2E6	921.447	907.922
22)	L5 AR-1248-2	4.747	4.006	189.6E6	250.7E6	910.326	904.407
23)	L5 AR-1248-3	4.934	4.043	226.1E6	243.1E6	910.702	904.533
24)	L5 AR-1248-4	5.321	4.201	243.6E6	299.0E6	918.504	917.262
25)	L5 AR-1248-5	5.356	4.575	243.5E6	289.3E6	929.617	914.791

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

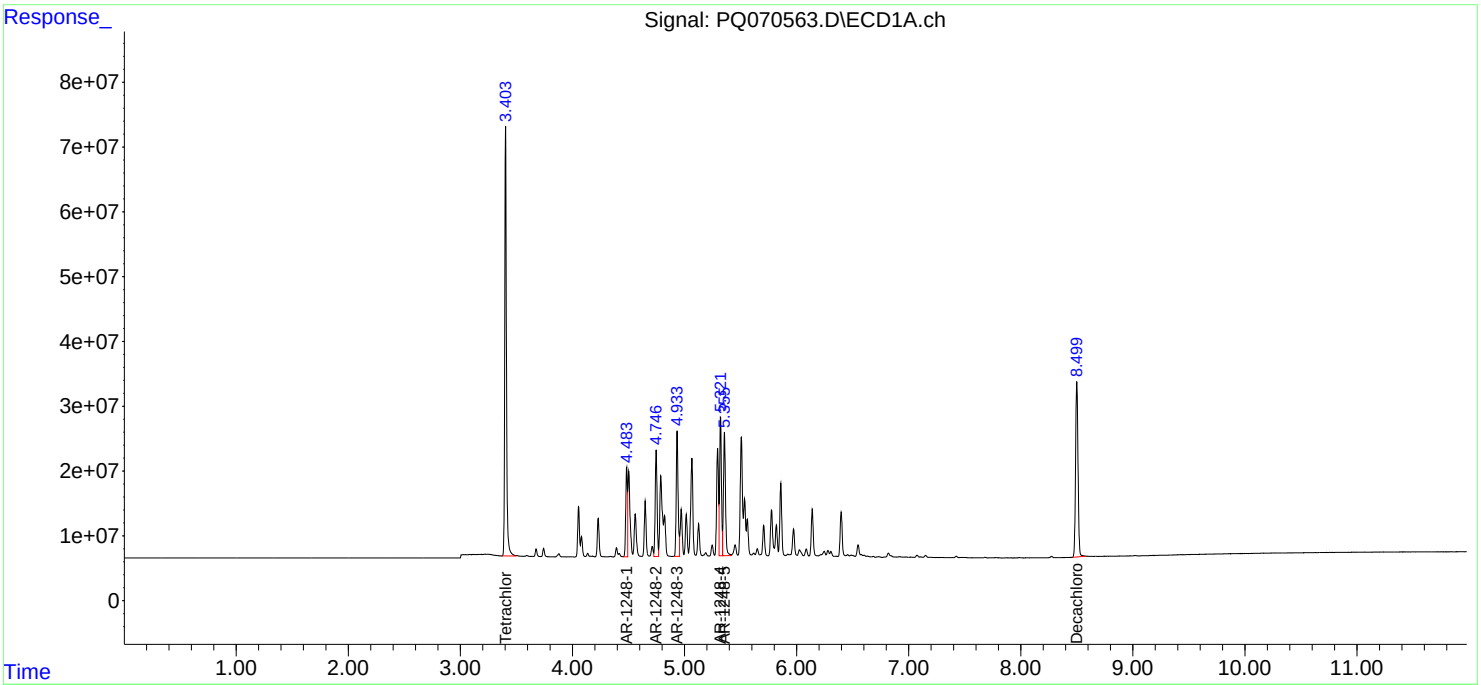
ICAL Form

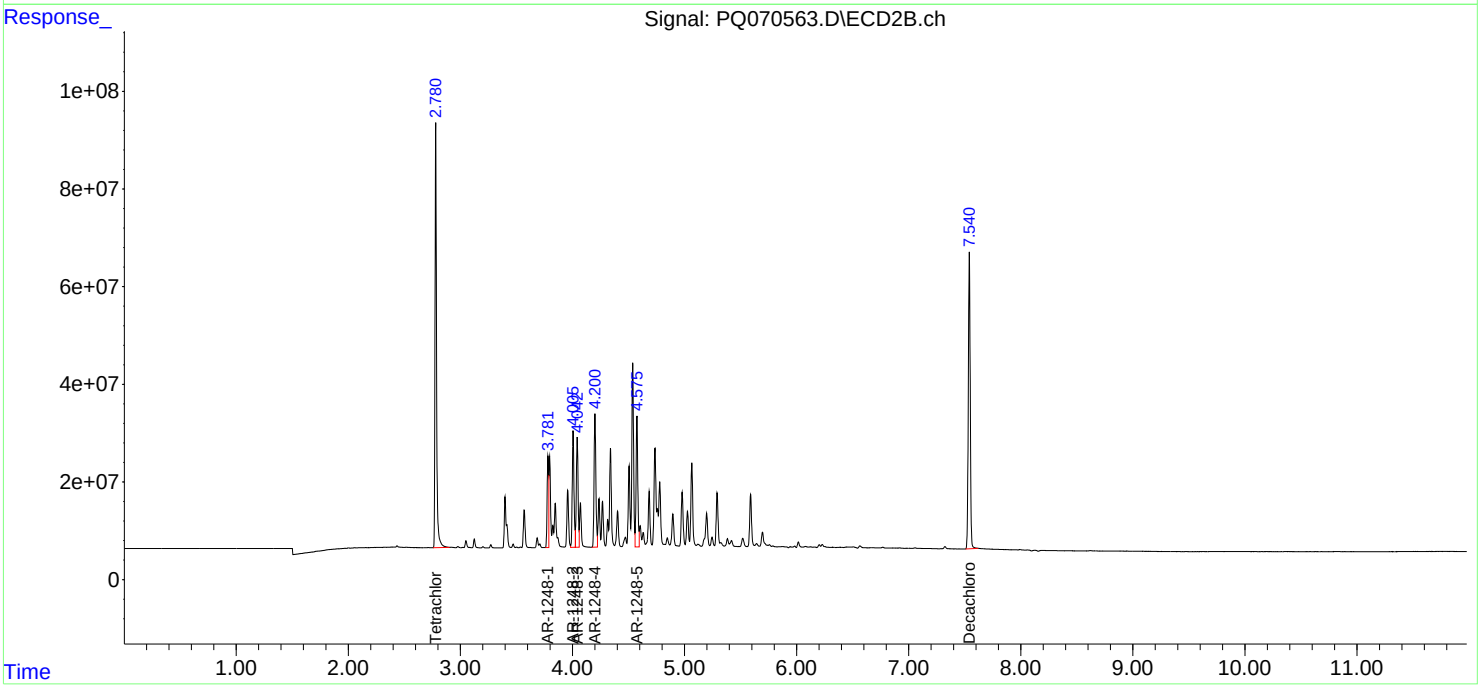
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:57
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

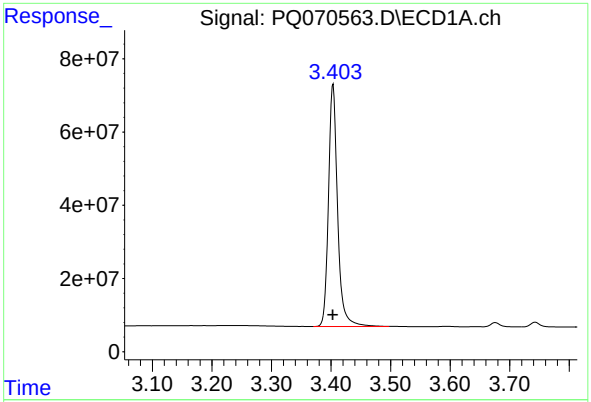
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



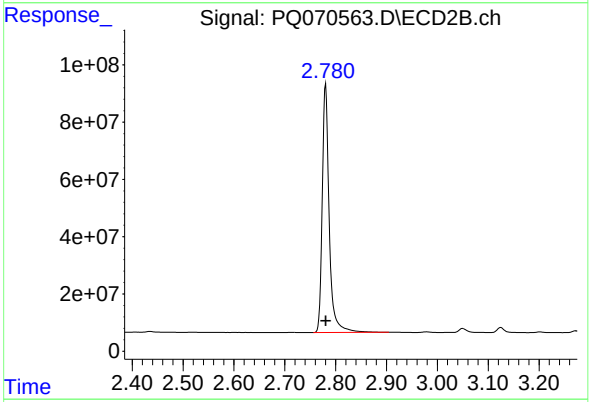




#1 Tetrachloro-m-xylene

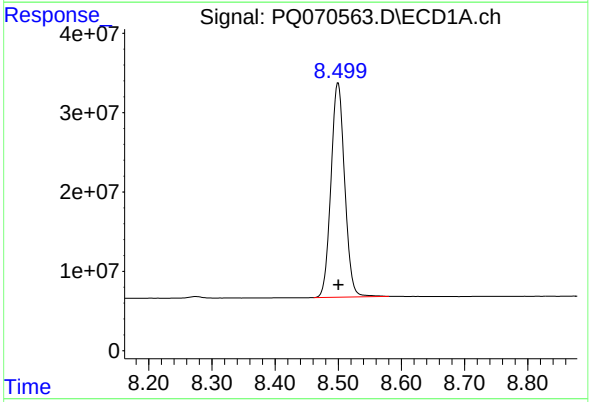
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 704669399
Conc: 94.46 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000



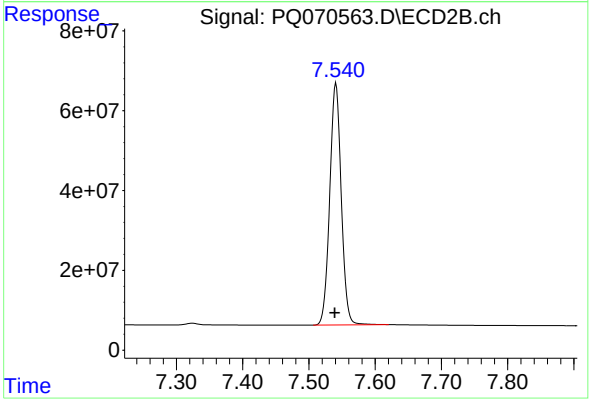
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 825859987
Conc: 94.71 ng/ml



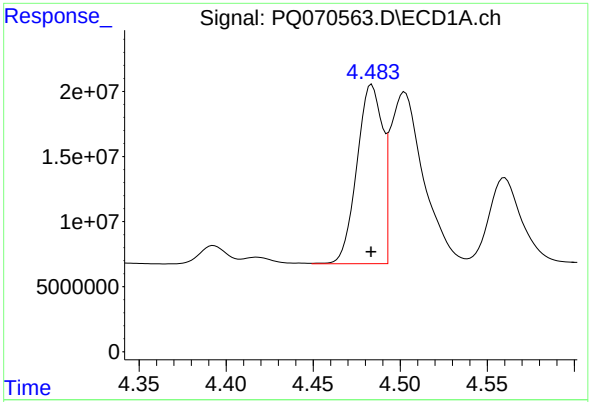
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 407741861
Conc: 93.35 ng/ml



#2 Decachlorobiphenyl

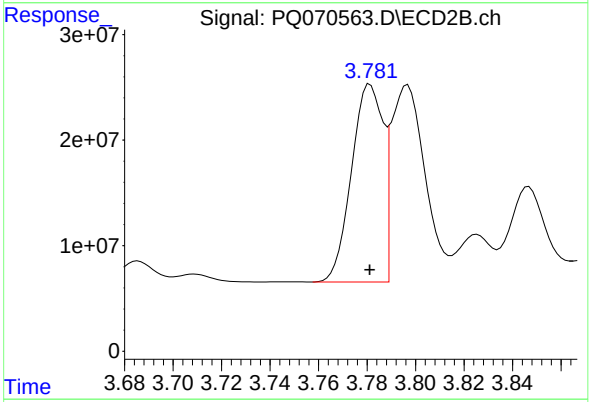
R.T.: 7.541 min
Delta R.T.: 0.002 min
Response: 730290353
Conc: 93.12 ng/ml



#21 AR-1248-1

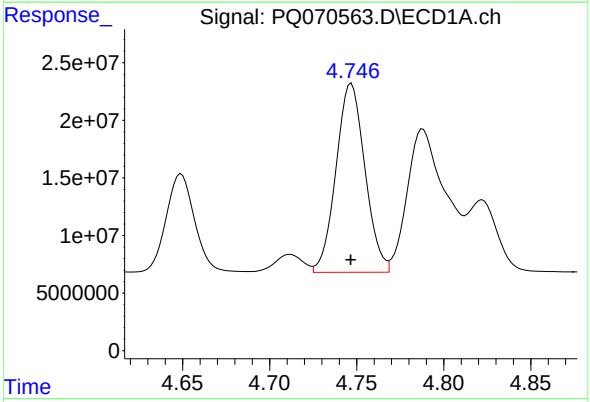
R.T.: 4.484 min
Delta R.T.: 0.000 min
Response: 140769989
Conc: 921.45 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000



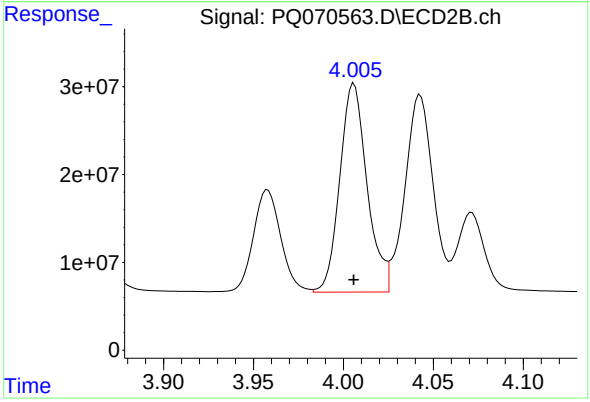
#21 AR-1248-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 169221368
Conc: 907.92 ng/ml



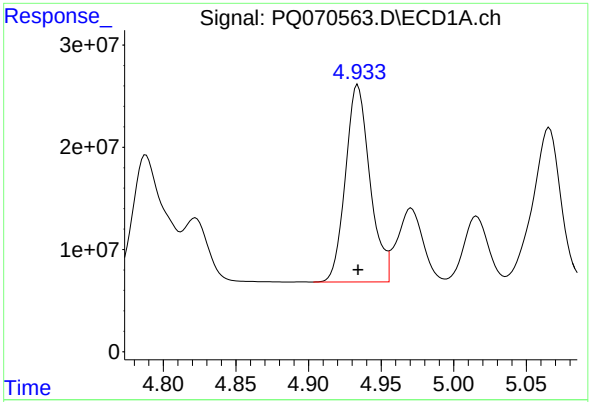
#22 AR-1248-2

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 189598632
Conc: 910.33 ng/ml



#22 AR-1248-2

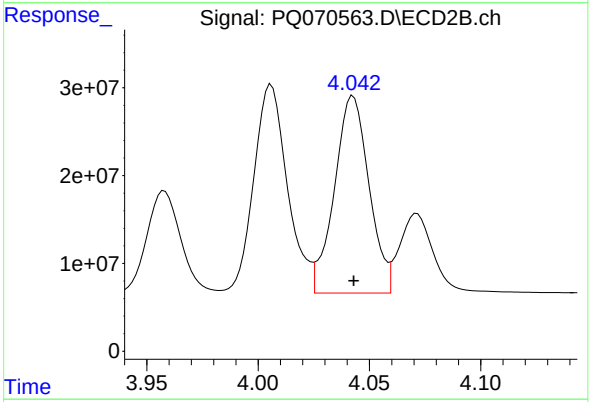
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 250725051
Conc: 904.41 ng/ml



#23 AR-1248-3

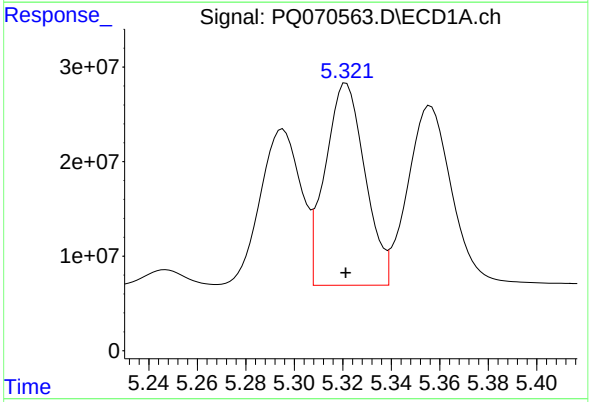
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 226137175
Conc: 910.70 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000



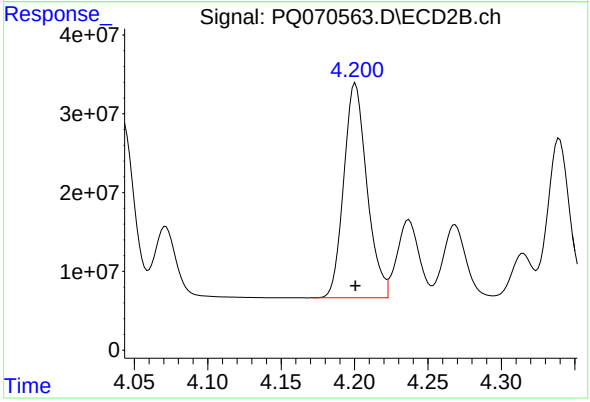
#23 AR-1248-3

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 243125358
Conc: 904.53 ng/ml



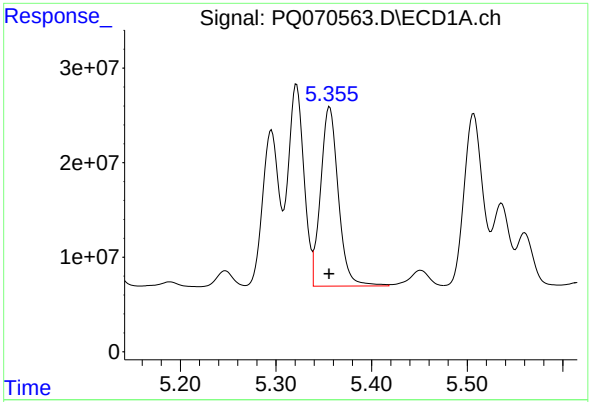
#24 AR-1248-4

R.T.: 5.321 min
Delta R.T.: 0.000 min
Response: 243567858
Conc: 918.50 ng/ml



#24 AR-1248-4

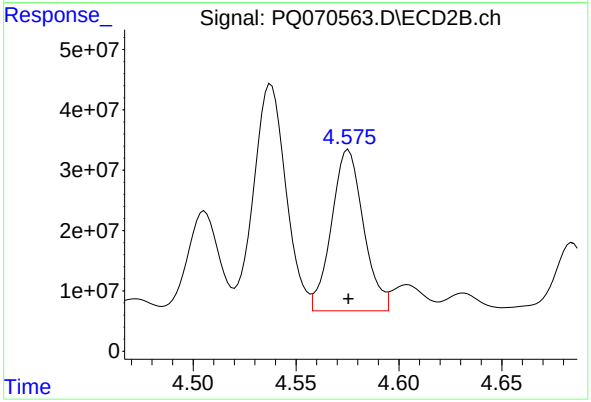
R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 298975780
Conc: 917.26 ng/ml



#25 AR-1248-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 243460233
Conc: 929.62 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 4.575 min
Delta R.T.: 0.000 min
Response: 289340439
Conc: 914.79 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:12
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	665.0E6	772.7E6	89.146	88.616
2)	SA Decachlor...	8.499	7.540	342.7E6	607.9E6	78.465	77.515
	Target Compounds						
21)	L5 AR-1248-1	4.483	3.781	132.0E6	159.1E6	864.262	853.605
22)	L5 AR-1248-2	4.746	4.005	182.2E6	236.9E6	874.907	854.414
23)	L5 AR-1248-3	4.933	4.043	216.2E6	227.7E6	870.512	847.189
24)	L5 AR-1248-4	5.321	4.201	227.3E6	279.6E6	857.147	857.947
25)	L5 AR-1248-5	5.356	4.576	225.5E6	263.9E6	860.897	834.506

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

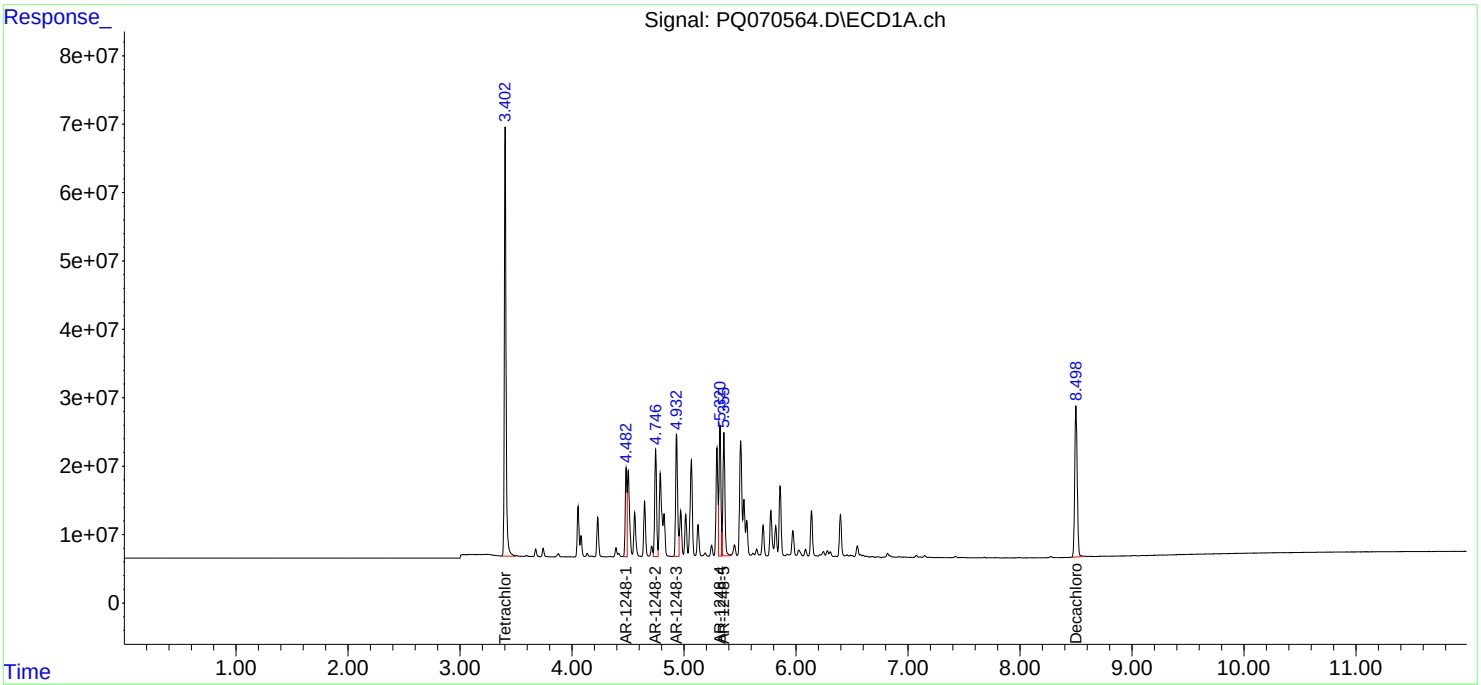
ICAL Form

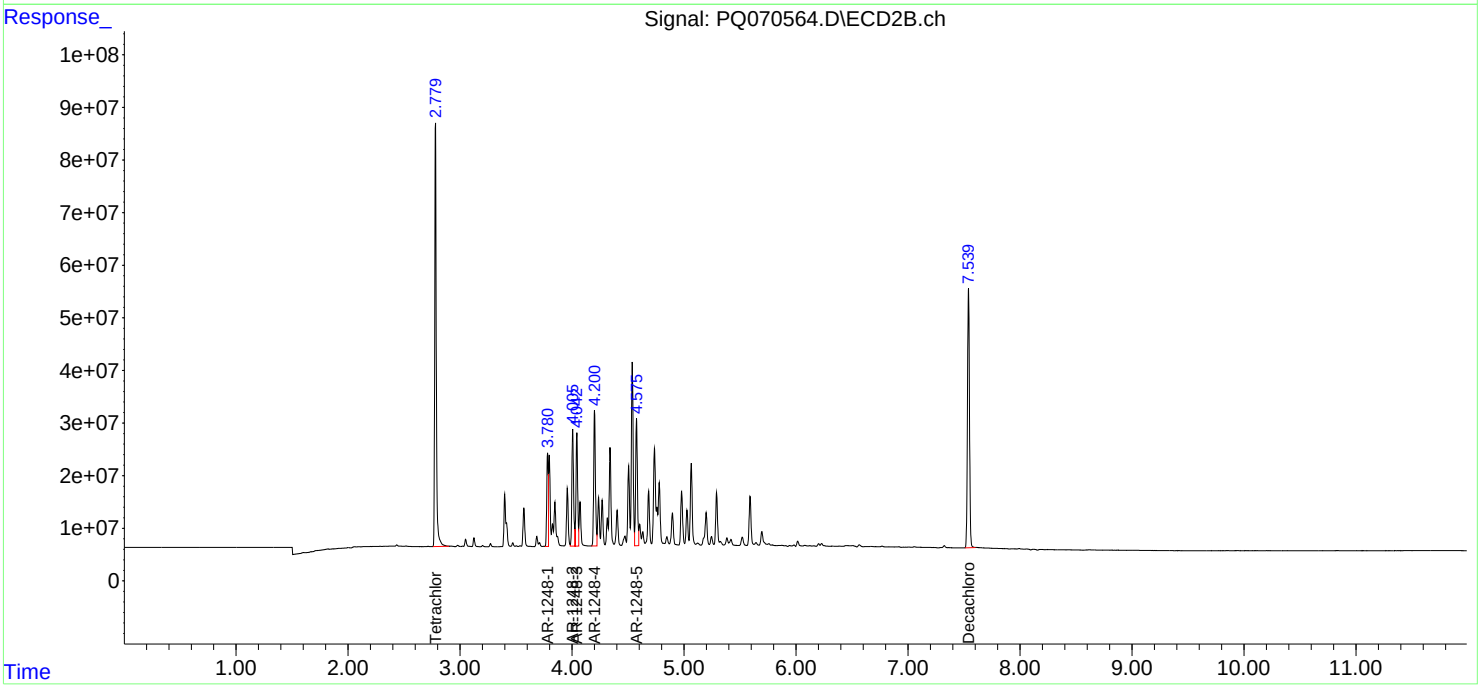
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:12
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

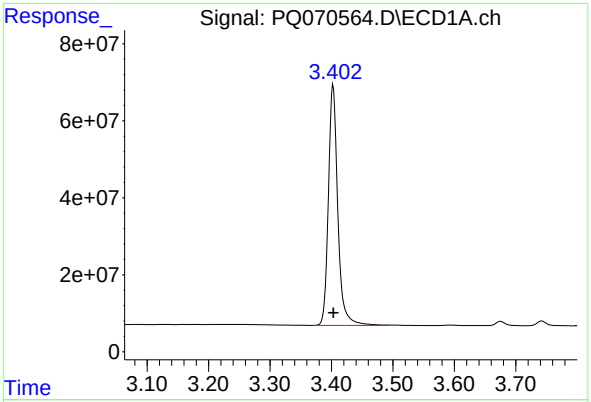
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



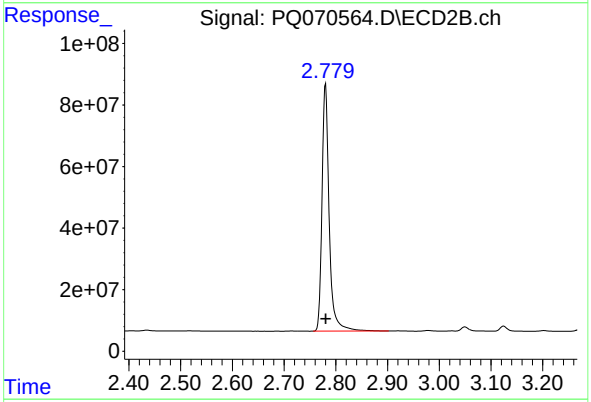




#1 Tetrachloro-m-xylene

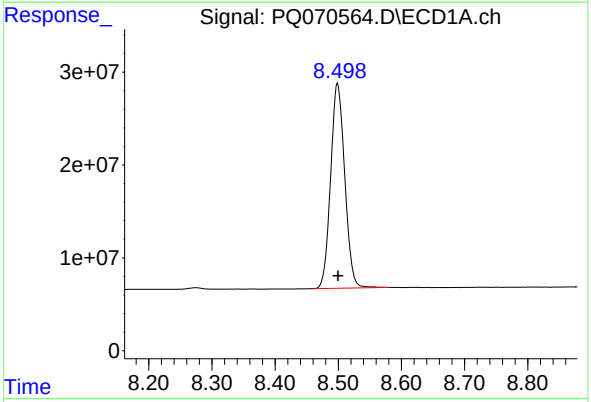
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 665049921
Conc: 89.15 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750



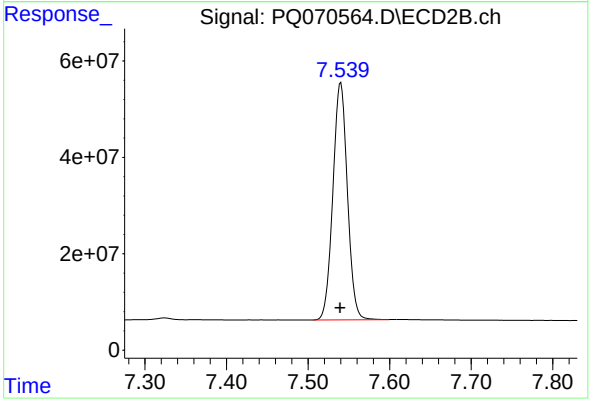
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 772725176
Conc: 88.62 ng/ml



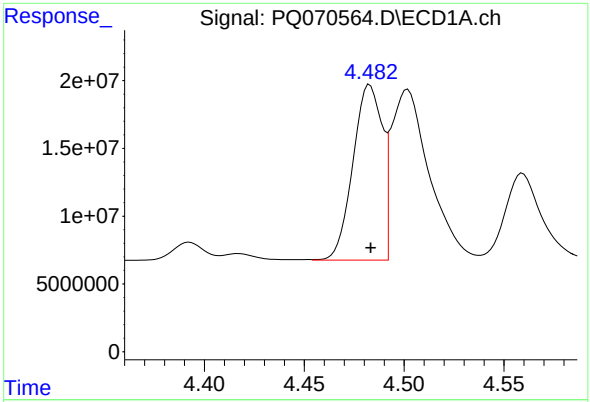
#2 Decachlorobiphenyl

R.T.: 8.499 min
Delta R.T.: -0.001 min
Response: 342736717
Conc: 78.46 ng/ml



#2 Decachlorobiphenyl

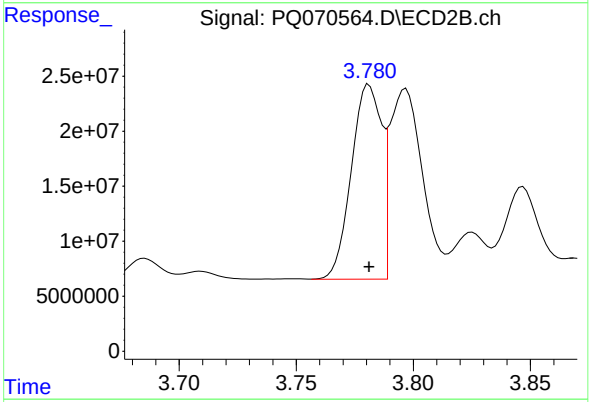
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 607894160
Conc: 77.52 ng/ml



#21 AR-1248-1

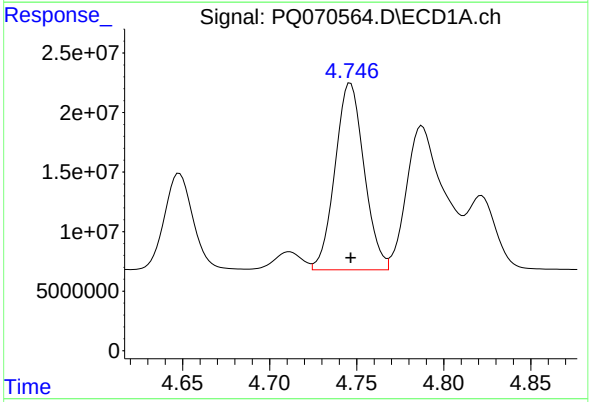
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 132033693
Conc: 864.26 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750



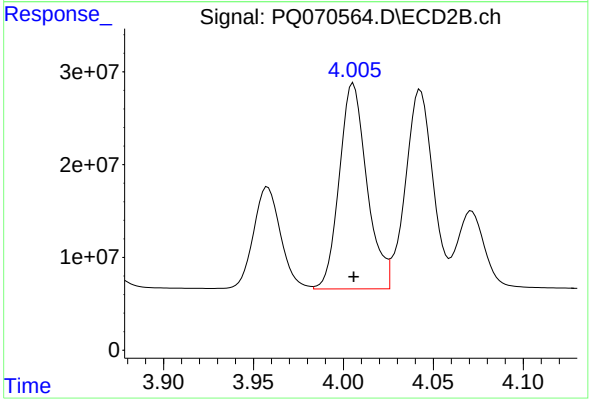
#21 AR-1248-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 159097474
Conc: 853.60 ng/ml



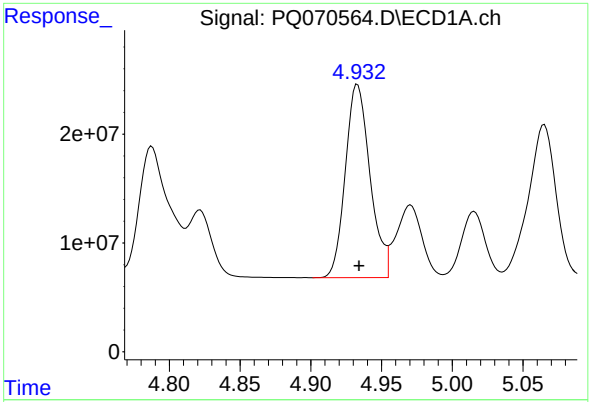
#22 AR-1248-2

R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 182221698
Conc: 874.91 ng/ml



#22 AR-1248-2

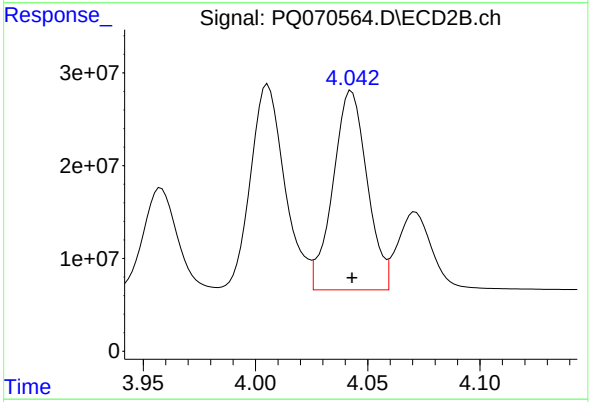
R.T.: 4.005 min
Delta R.T.: 0.000 min
Response: 236865511
Conc: 854.41 ng/ml



#23 AR-1248-3

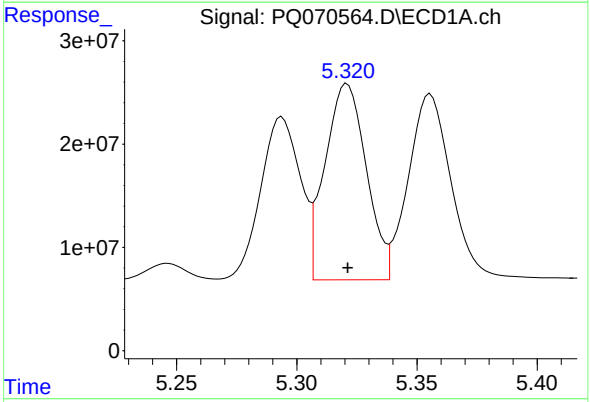
R.T.: 4.933 min
Delta R.T.: -0.001 min
Response: 216157656
Conc: 870.51 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750



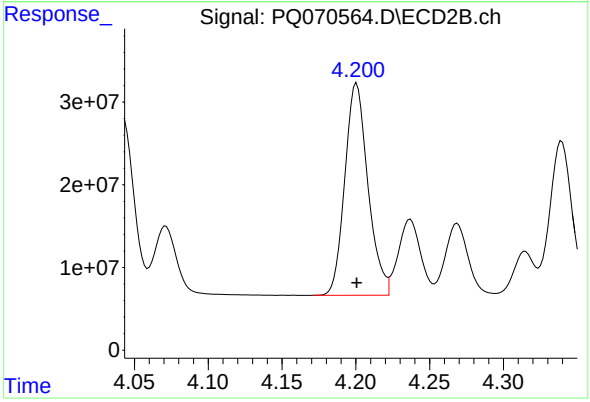
#23 AR-1248-3

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 227711976
Conc: 847.19 ng/ml



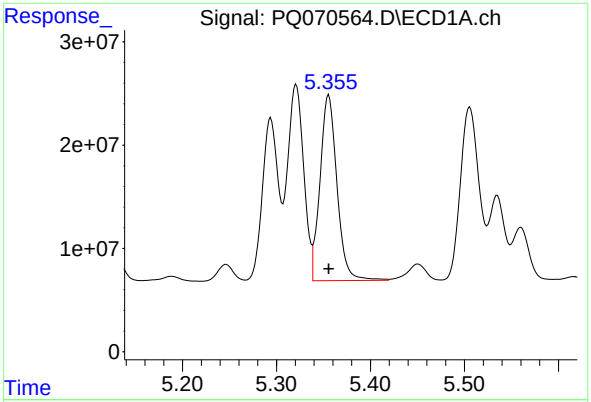
#24 AR-1248-4

R.T.: 5.321 min
Delta R.T.: 0.000 min
Response: 227297261
Conc: 857.15 ng/ml



#24 AR-1248-4

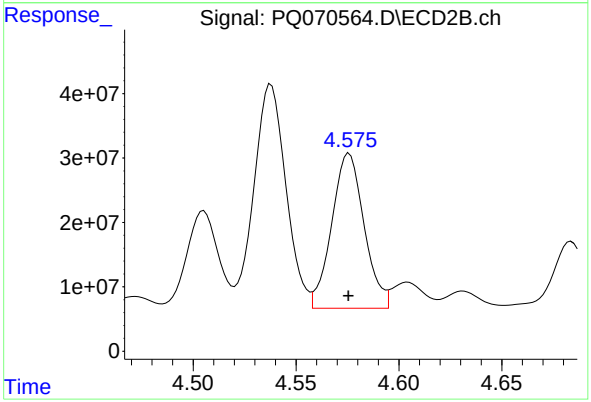
R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 279642499
Conc: 857.95 ng/ml



#25 AR-1248-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 225462766
Conc: 860.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 4.576 min
Delta R.T.: 0.000 min
Response: 263946834
Conc: 834.51 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:26
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	373.0E6	436.0E6	50.000	50.000
2)	SA Decachlor...	8.500	7.539	218.4E6	392.1E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	4.483	3.781	76385264	93191545	500.000	500.000
22)	L5 AR-1248-2	4.747	4.006	104.1E6	138.6E6	500.000	500.000
23)	L5 AR-1248-3	4.934	4.043	124.2E6	134.4E6	500.000	500.000
24)	L5 AR-1248-4	5.321	4.201	132.6E6	163.0E6	500.000	500.000
25)	L5 AR-1248-5	5.356	4.575	130.9E6	158.1E6	500.000	500.000

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

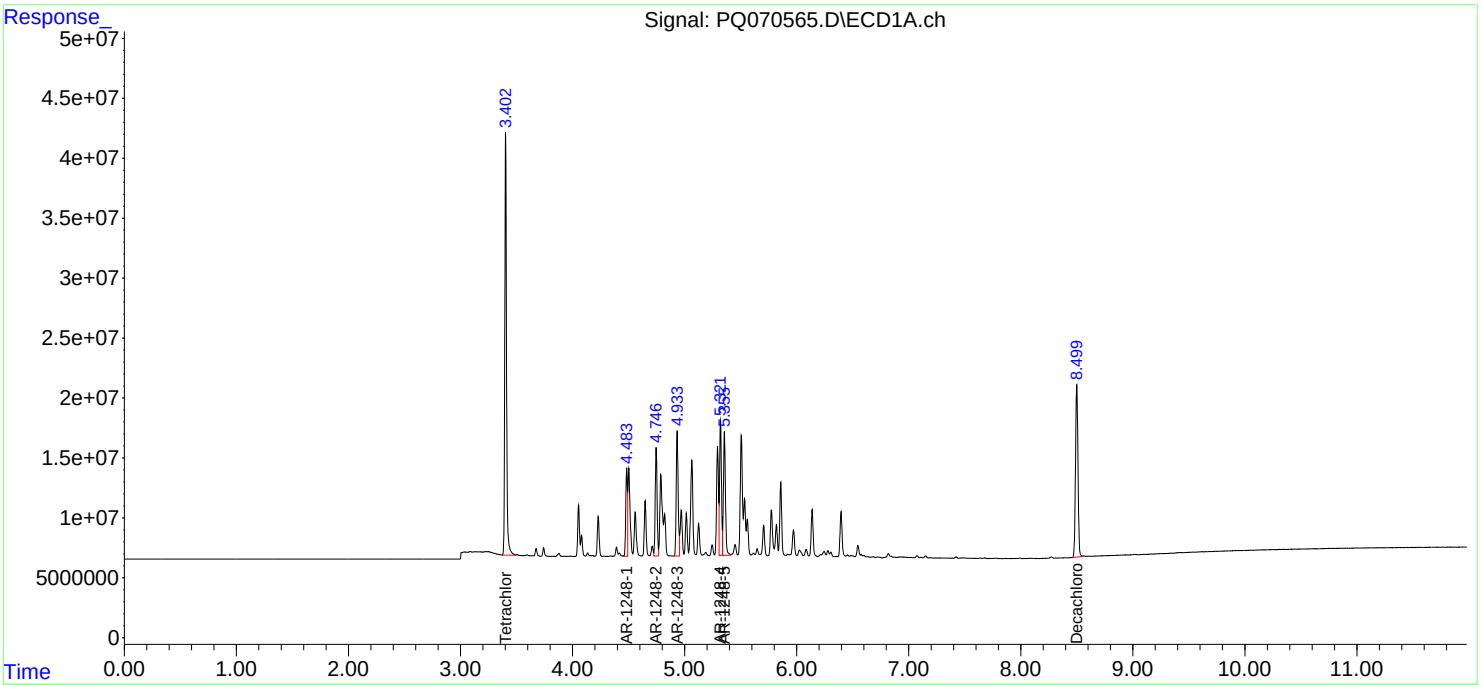
ICAL Form

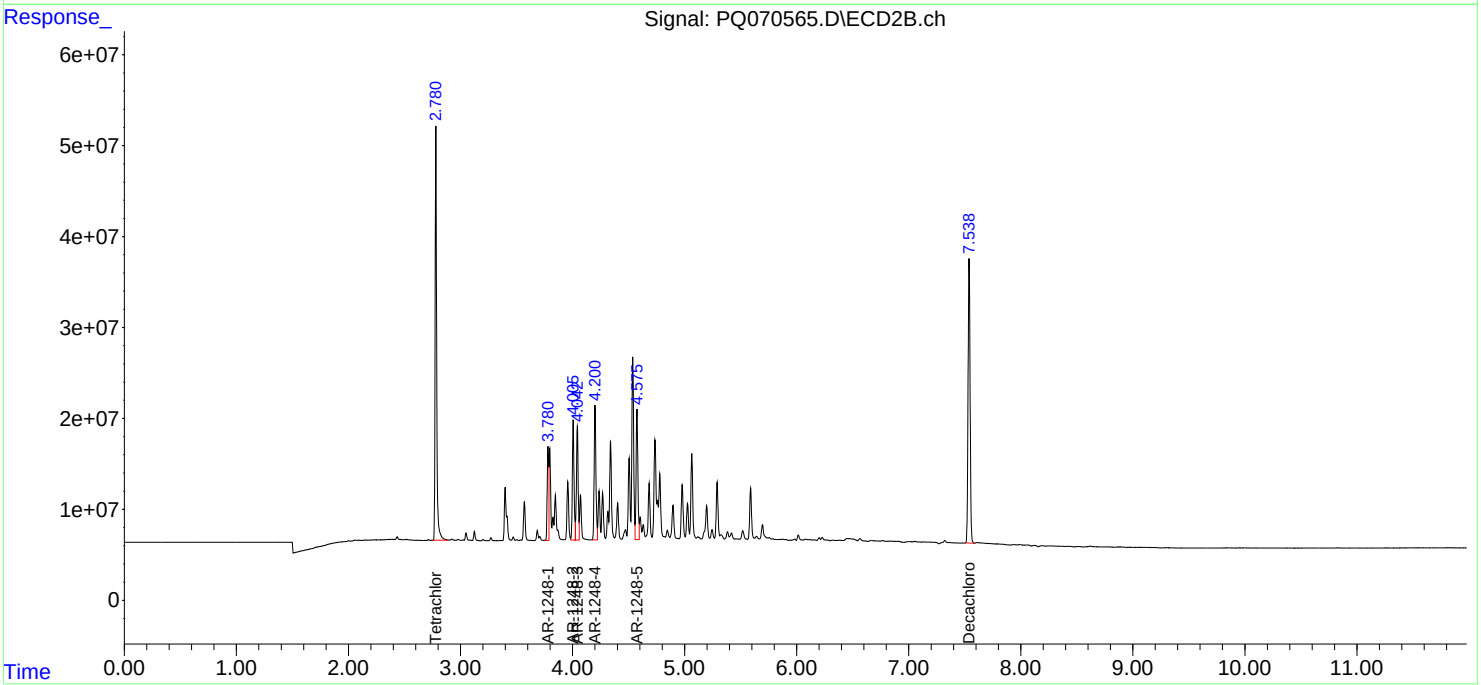
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:26
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

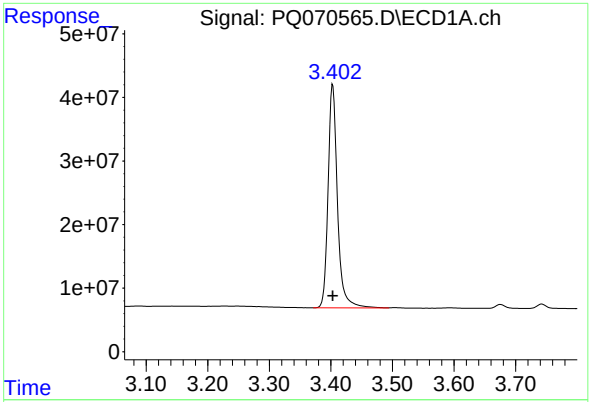
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



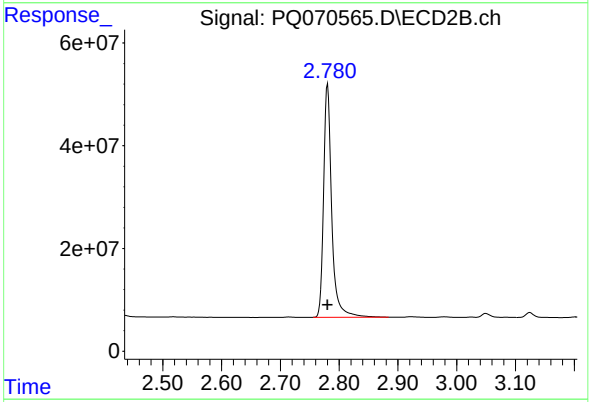




#1 Tetrachloro-m-xylene

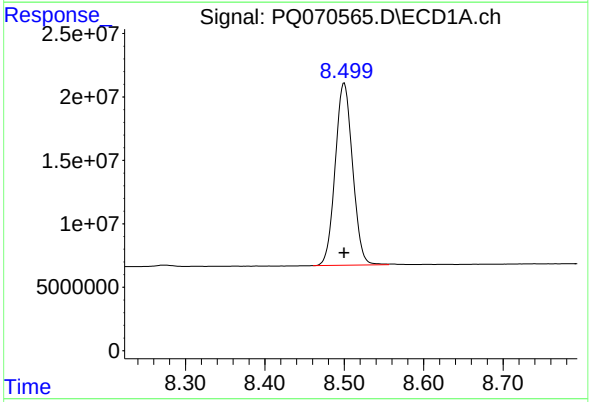
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 373009557
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500



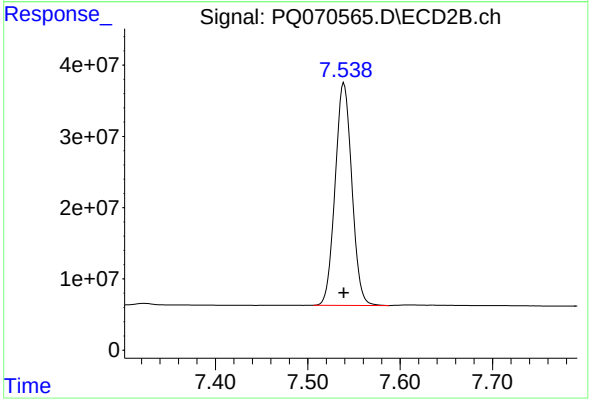
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 435997977
Conc: 50.00 ng/ml



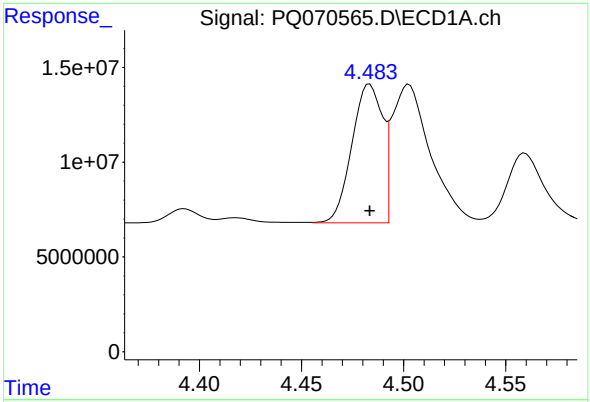
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 218401974
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

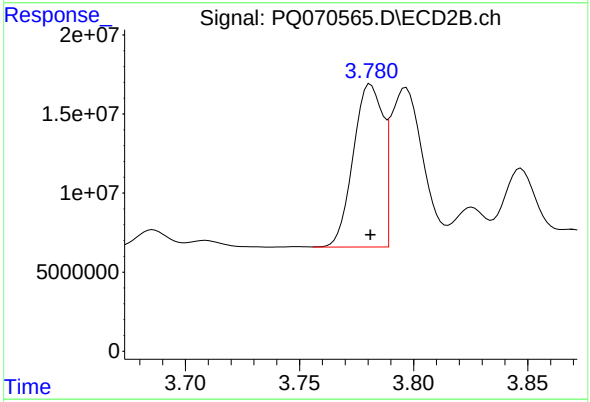
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 392112114
Conc: 50.00 ng/ml



#21 AR-1248-1

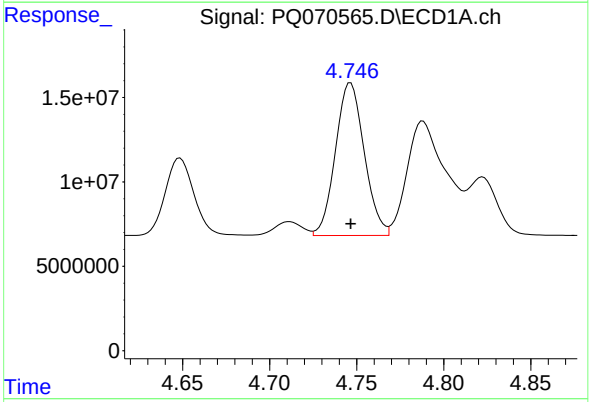
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 76385264
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500



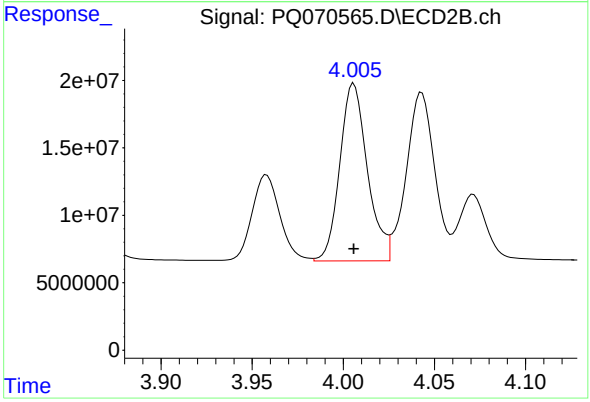
#21 AR-1248-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 93191545
Conc: 500.00 ng/ml



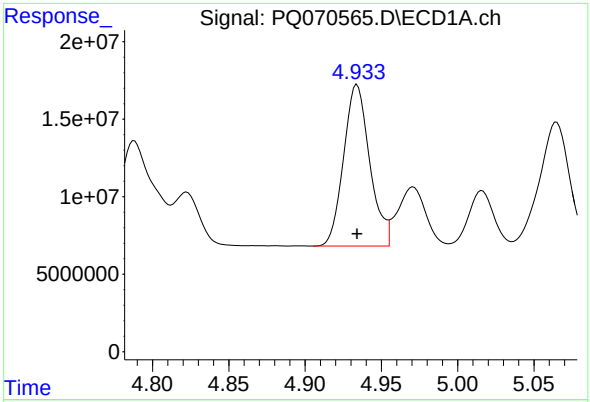
#22 AR-1248-2

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 104137779
Conc: 500.00 ng/ml



#22 AR-1248-2

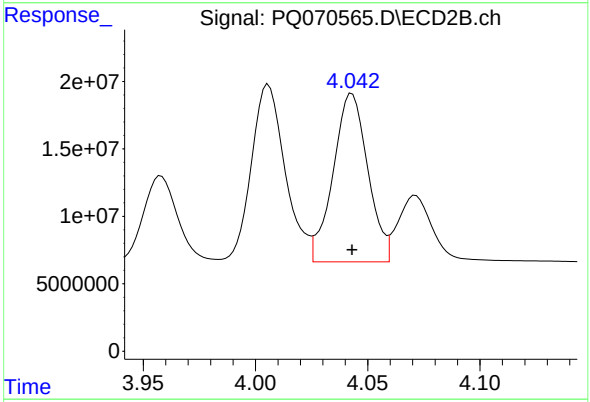
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 138612885
Conc: 500.00 ng/ml



#23 AR-1248-3

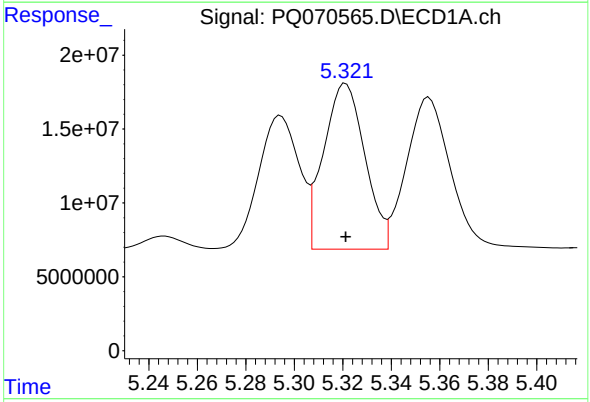
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 124155404
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500



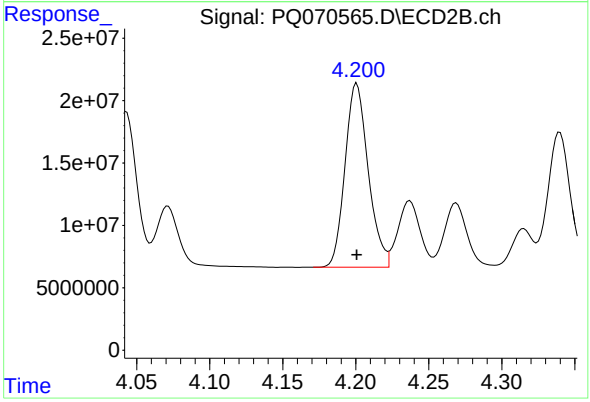
#23 AR-1248-3

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 134392694
Conc: 500.00 ng/ml



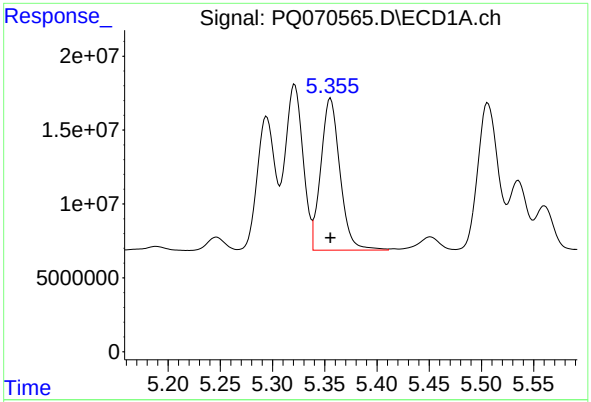
#24 AR-1248-4

R.T.: 5.321 min
Delta R.T.: 0.000 min
Response: 132589381
Conc: 500.00 ng/ml



#24 AR-1248-4

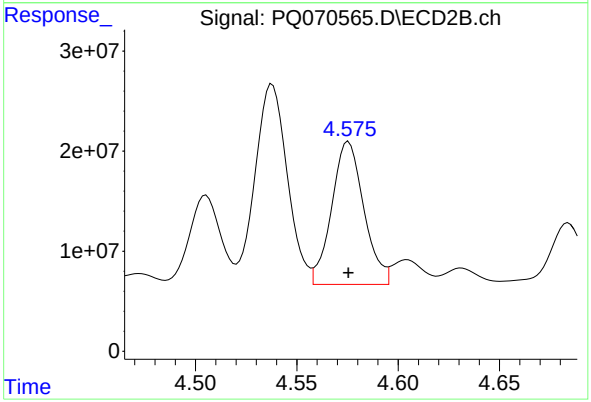
R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 162971807
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 130946487
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 4.575 min
Delta R.T.: 0.000 min
Response: 158145621
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:41
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:11:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	224.0E6	253.4E6	30.024	29.054
2)	SA Decachlor...	8.499	7.540	121.9E6	217.8E6	27.900	27.777
	Target Compounds						
21)	L5 AR-1248-1	4.483	3.781	46269266	56496937	302.868	303.123
22)	L5 AR-1248-2	4.747	4.006	63399255	84475974	304.401	304.719
23)	L5 AR-1248-3	4.934	4.043	73520620	81102128	296.083	301.736
24)	L5 AR-1248-4	5.321	4.201	78247358	97126361	295.074	297.985
25)	L5 AR-1248-5	5.356	4.575	77475148	94609063	295.828	299.120

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

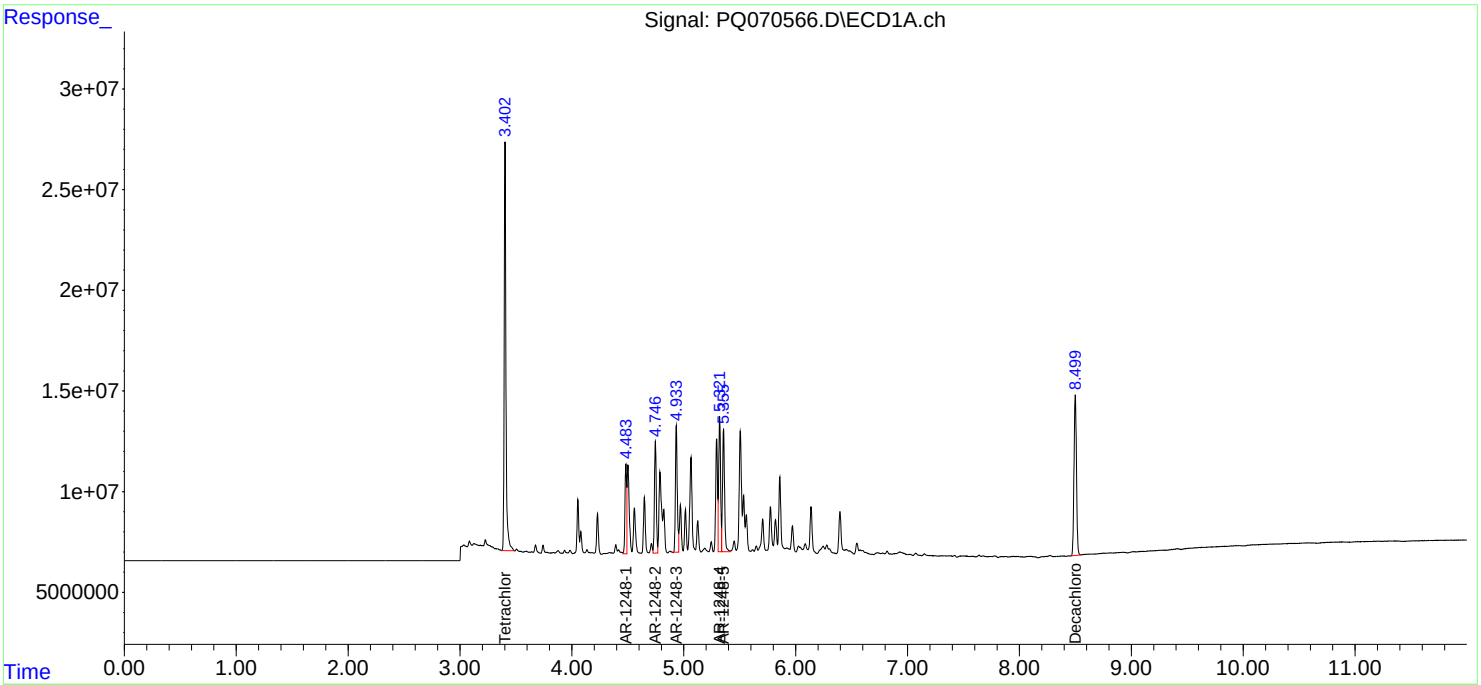
ICAL Form

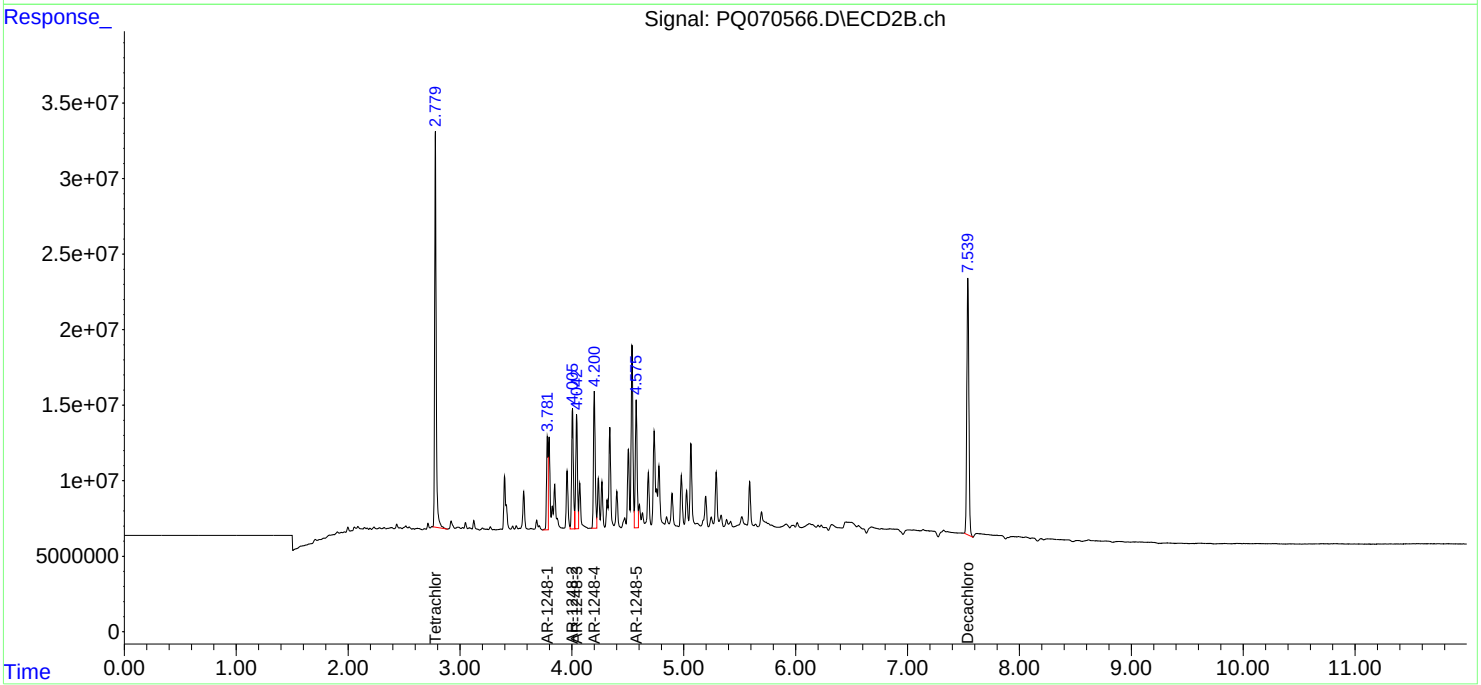
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:41
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

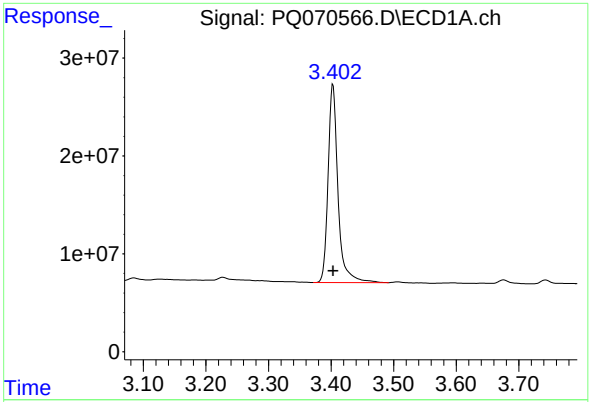
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:11:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



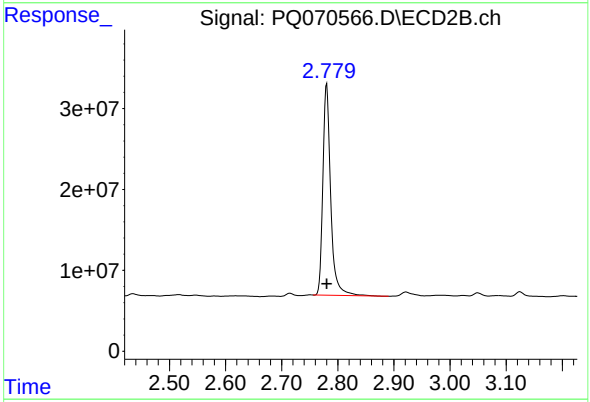




#1 Tetrachloro-m-xylene

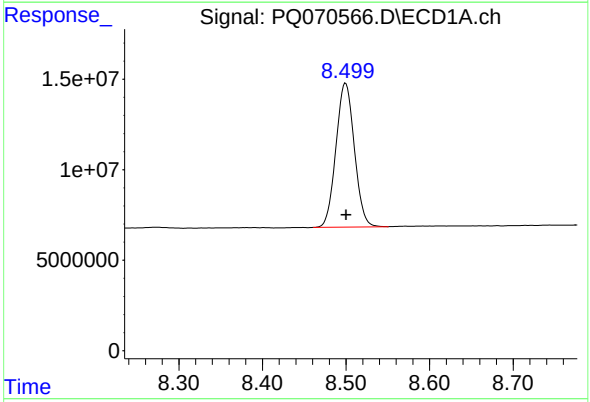
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 223985764
Conc: 30.02 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250



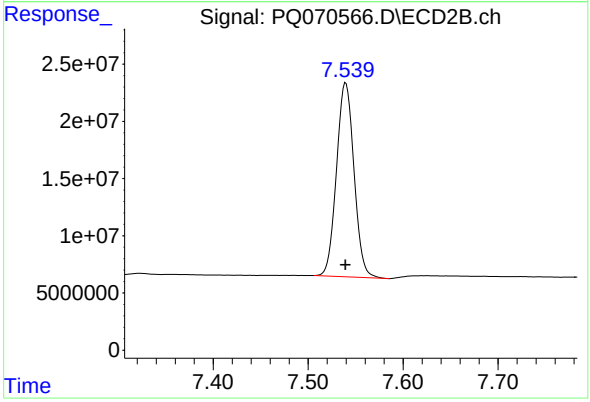
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 253350166
Conc: 29.05 ng/ml



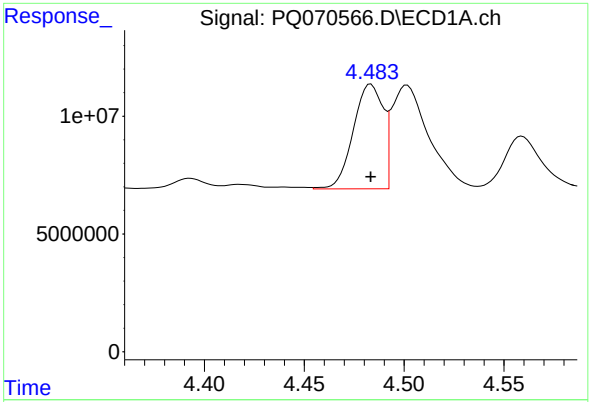
#2 Decachlorobiphenyl

R.T.: 8.499 min
Delta R.T.: 0.000 min
Response: 121867834
Conc: 27.90 ng/ml



#2 Decachlorobiphenyl

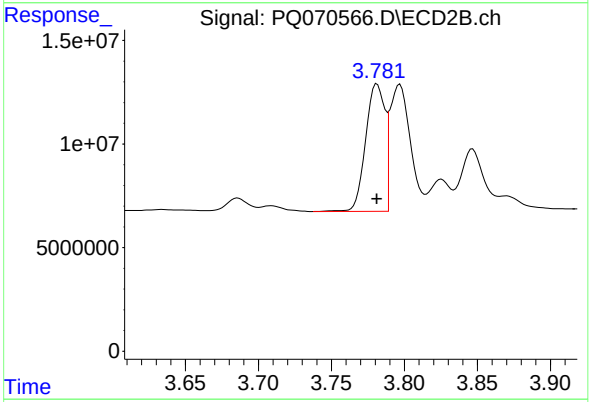
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 217831452
Conc: 27.78 ng/ml



#21 AR-1248-1

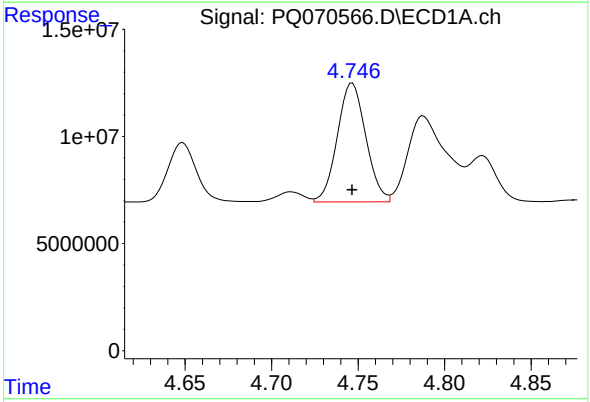
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 46269266
Conc: 302.87 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250



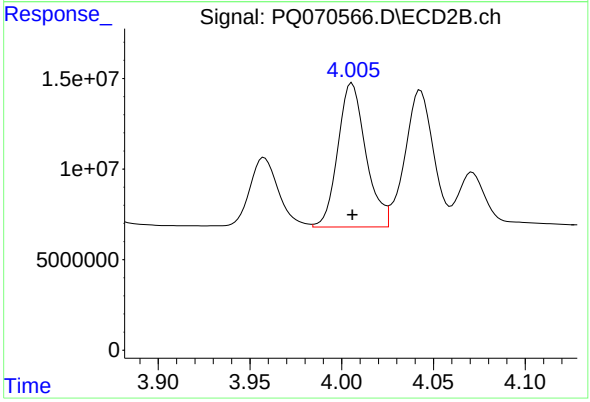
#21 AR-1248-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 56496937
Conc: 303.12 ng/ml



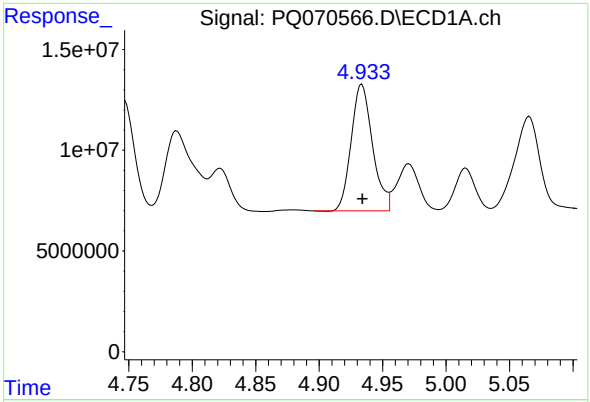
#22 AR-1248-2

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 63399255
Conc: 304.40 ng/ml



#22 AR-1248-2

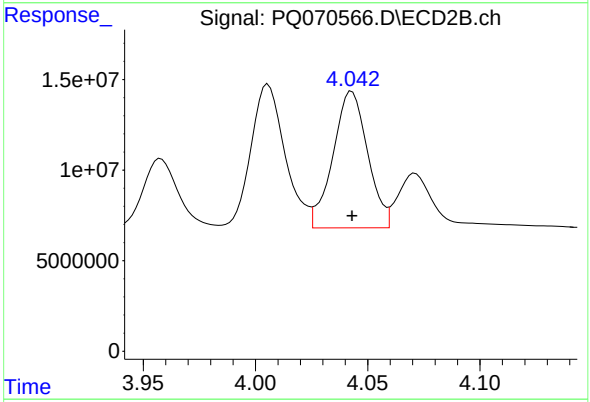
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 84475974
Conc: 304.72 ng/ml



#23 AR-1248-3

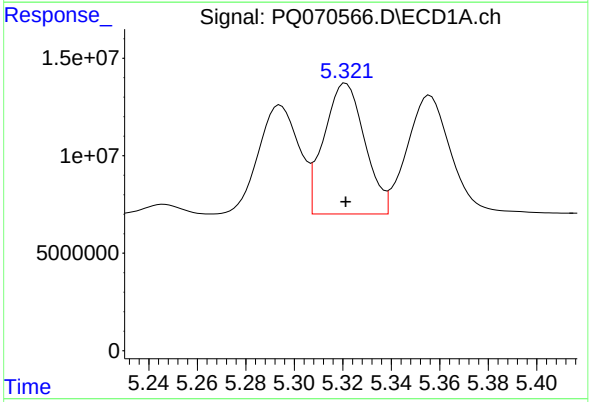
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 73520620
Conc: 296.08 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250



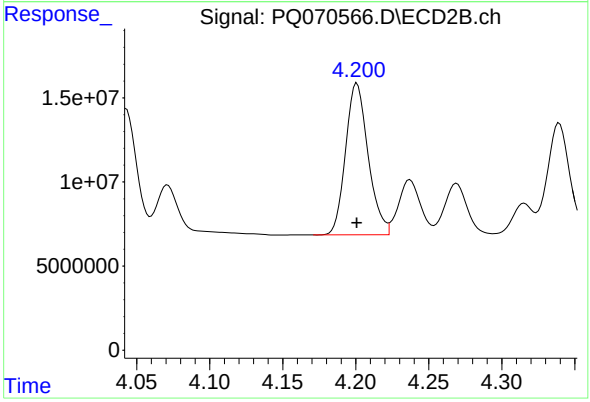
#23 AR-1248-3

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 81102128
Conc: 301.74 ng/ml



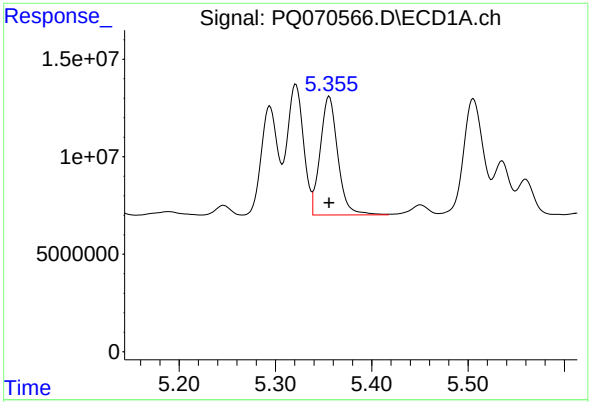
#24 AR-1248-4

R.T.: 5.321 min
Delta R.T.: 0.000 min
Response: 78247358
Conc: 295.07 ng/ml



#24 AR-1248-4

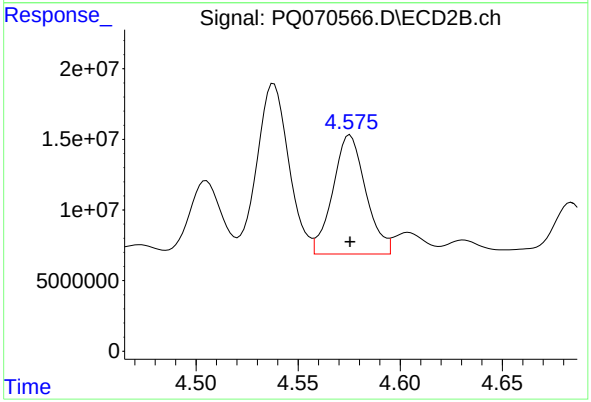
R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 97126361
Conc: 297.99 ng/ml



#25 AR-1248-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 77475148
Conc: 295.83 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 4.575 min
Delta R.T.: 0.000 min
Response: 94609063
Conc: 299.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:11:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	42517601	50308932	5.699	5.769
2)	SA Decachlor...	8.500	7.540	23689620	43667026	5.423	5.568
	Target Compounds						
21)	L5 AR-1248-1	4.484	3.781	9403252	11953340	61.551	64.133
22)	L5 AR-1248-2	4.747	4.006	12951471	18298186	62.184	66.005
23)	L5 AR-1248-3	4.934	4.043	15282844	17598896	61.547	65.476
24)	L5 AR-1248-4	5.321	4.201	15704747	20620062	59.223	63.263
25)	L5 AR-1248-5	5.356	4.576	14856718	19784866	56.728	62.553

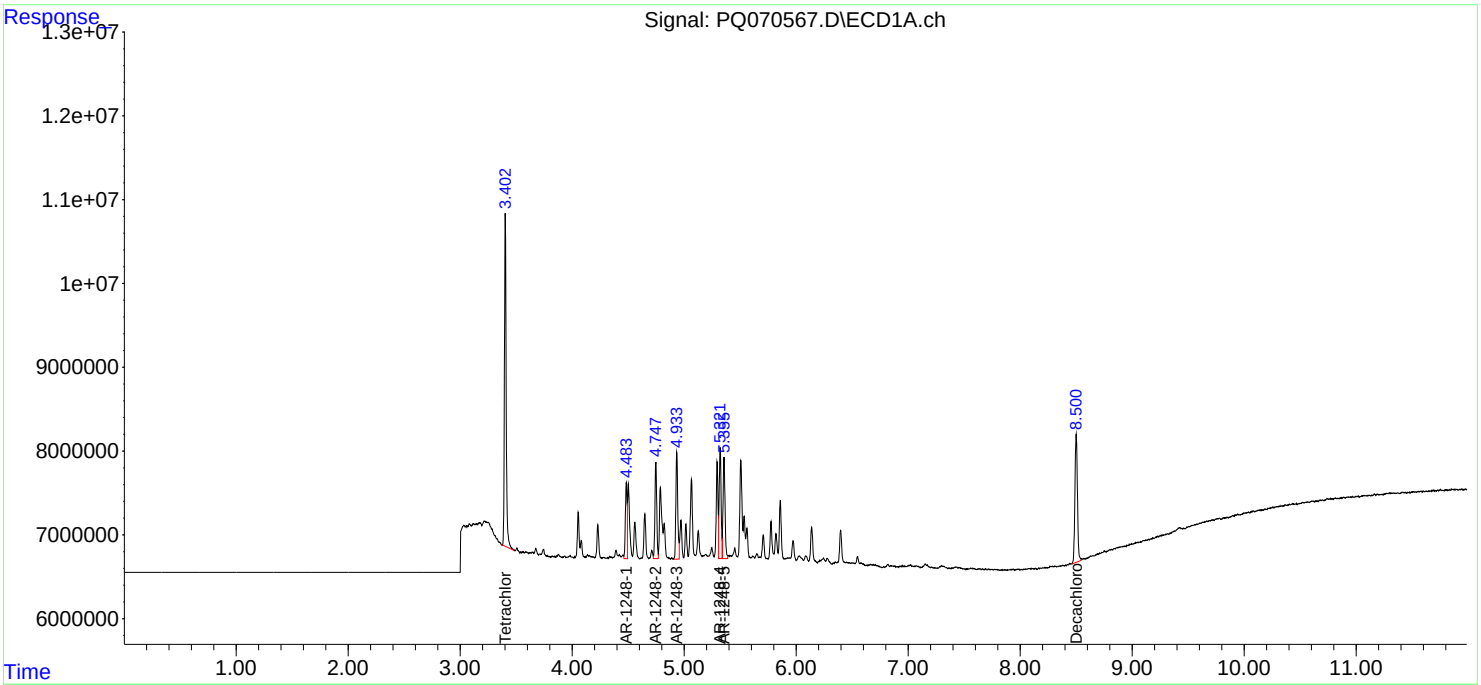
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

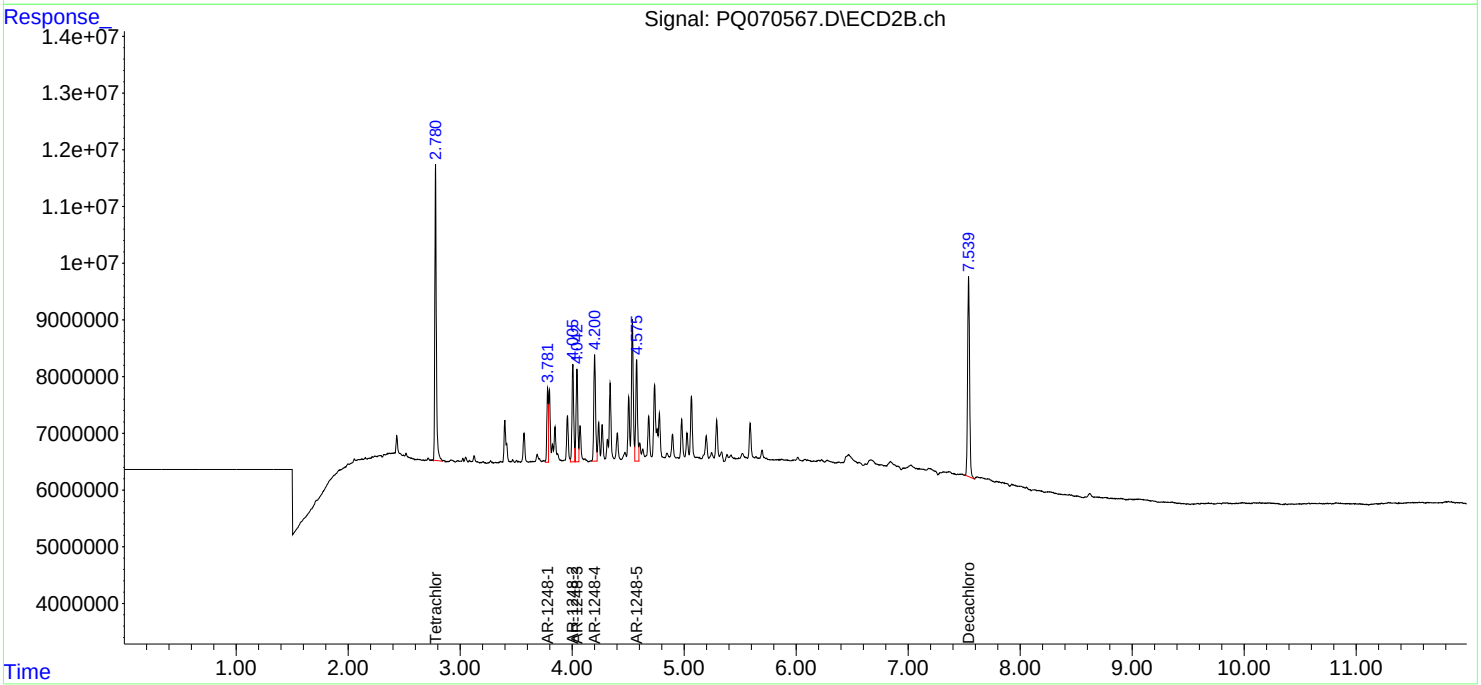
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

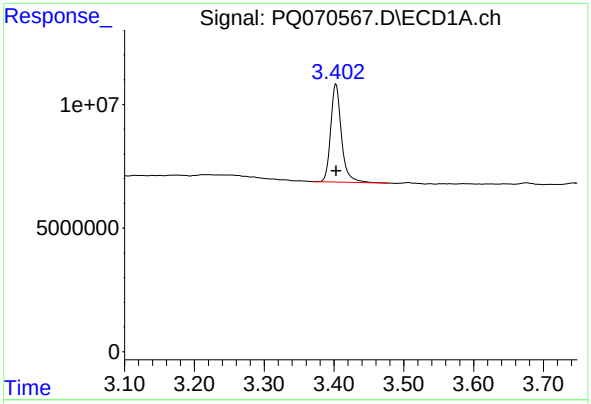
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:11:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



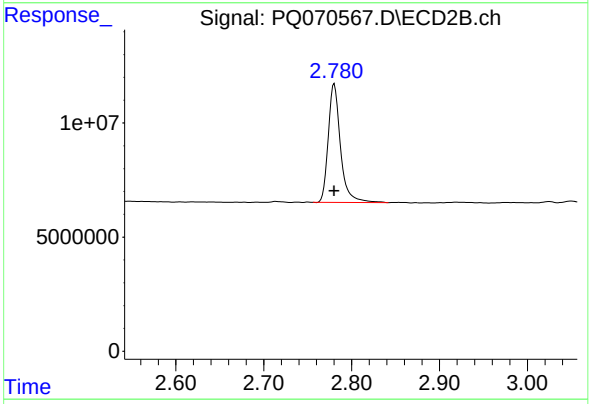




#1 Tetrachloro-m-xylene

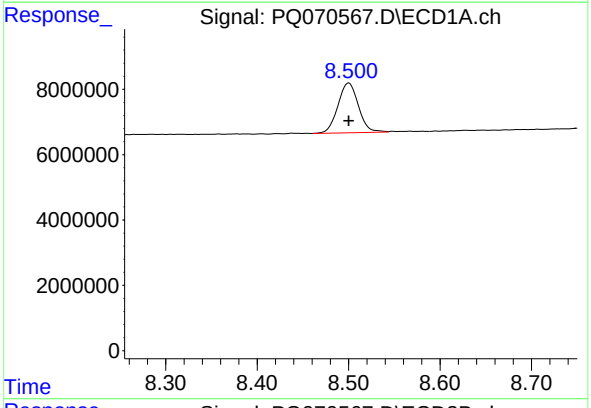
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 42517601
Conc: 5.70 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050



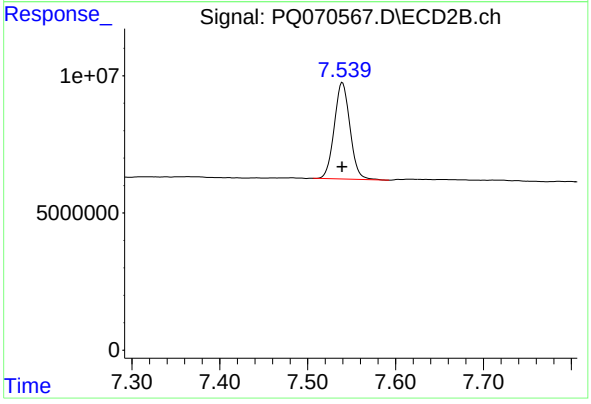
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 50308932
Conc: 5.77 ng/ml



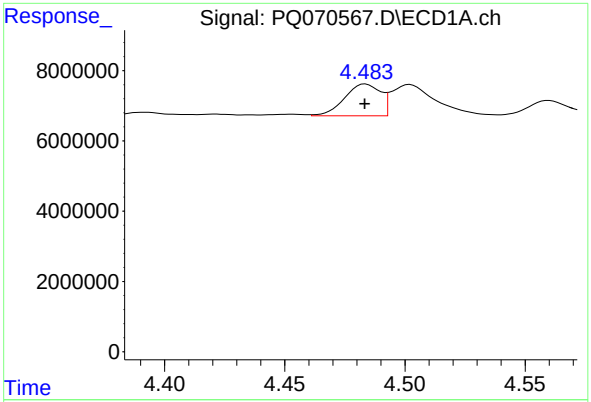
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 23689620
Conc: 5.42 ng/ml



#2 Decachlorobiphenyl

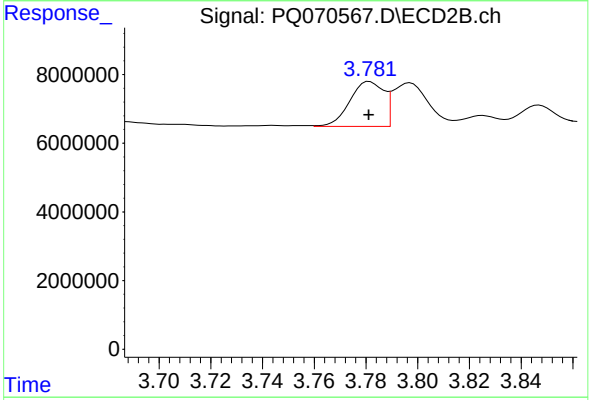
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 43667026
Conc: 5.57 ng/ml



#21 AR-1248-1

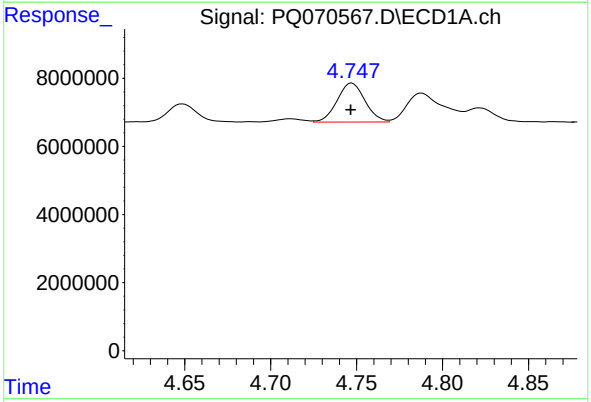
R.T.: 4.484 min
Delta R.T.: 0.000 min
Response: 9403252
Conc: 61.55 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050



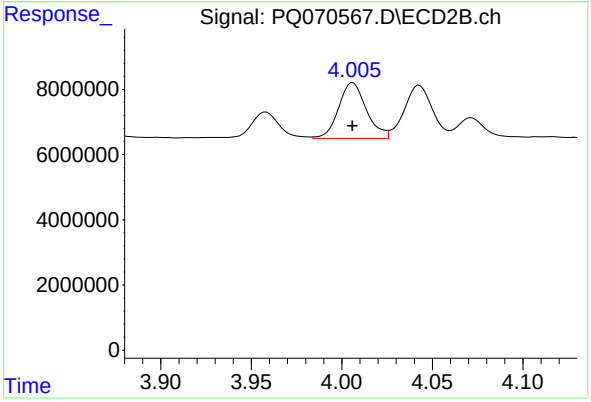
#21 AR-1248-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 11953340
Conc: 64.13 ng/ml



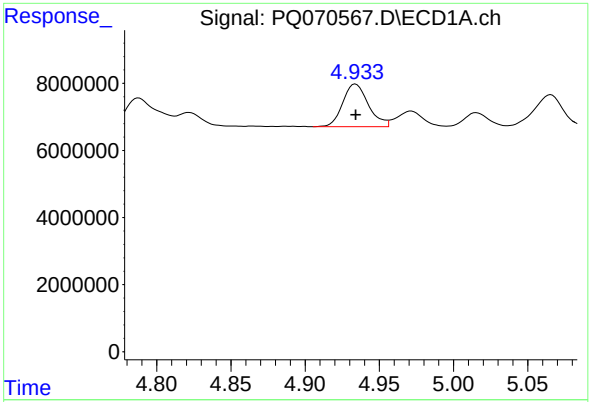
#22 AR-1248-2

R.T.: 4.747 min
Delta R.T.: 0.000 min
Response: 12951471
Conc: 62.18 ng/ml



#22 AR-1248-2

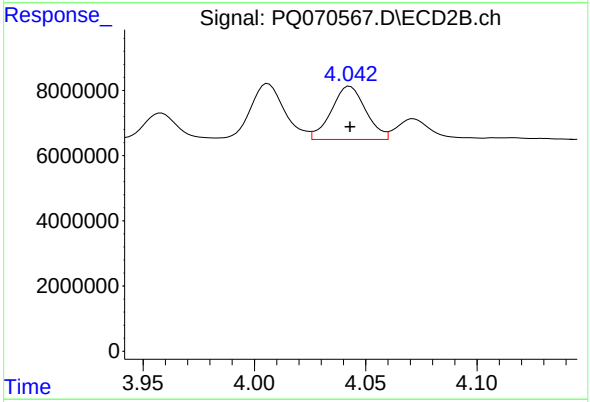
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 18298186
Conc: 66.00 ng/ml



#23 AR-1248-3

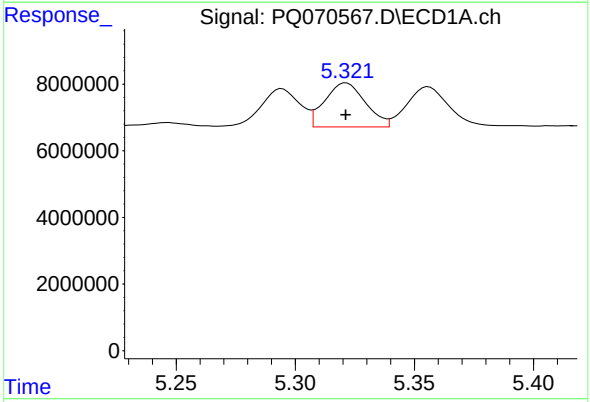
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 15282844
Conc: 61.55 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050



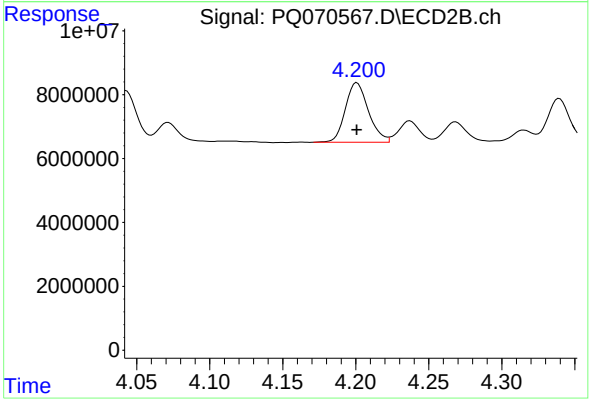
#23 AR-1248-3

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 17598896
Conc: 65.48 ng/ml



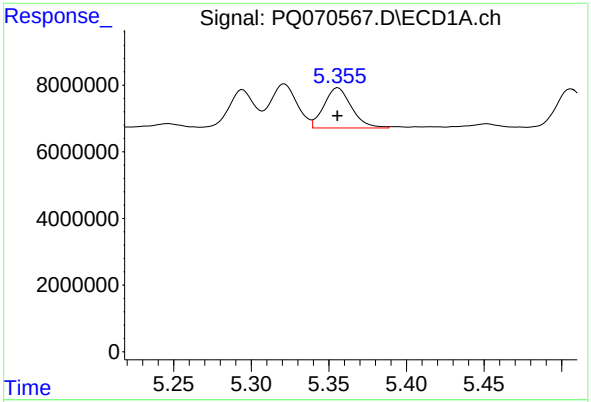
#24 AR-1248-4

R.T.: 5.321 min
Delta R.T.: 0.000 min
Response: 15704747
Conc: 59.22 ng/ml



#24 AR-1248-4

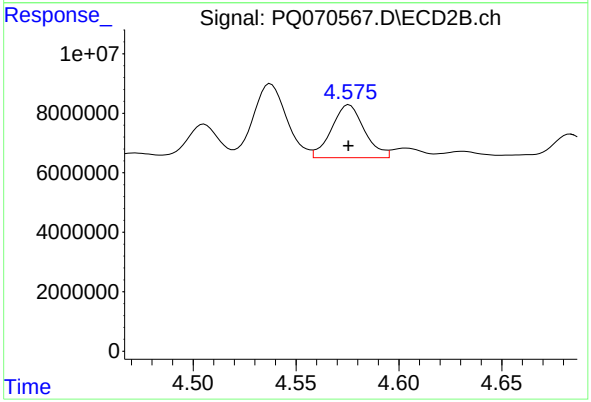
R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 20620062
Conc: 63.26 ng/ml



#25 AR-1248-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 14856718
Conc: 56.73 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 4.576 min
Delta R.T.: 0.000 min
Response: 19784866
Conc: 62.55 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:10
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:29:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	689.0E6	789.8E6	84.902	83.576
2)	SA Decachlor...	8.500	7.539	402.1E6	714.0E6	89.276	89.790
	Target Compounds						
26)	L6 AR-1254-1	5.296	4.538	244.9E6	424.7E6	817.096	838.242
27)	L6 AR-1254-2	5.510	4.684	375.9E6	368.6E6	828.168	834.534
28)	L6 AR-1254-3	5.858	5.064	398.0E6	593.9E6	851.205	851.145
29)	L6 AR-1254-4	6.138	5.291	275.5E6	360.8E6	849.519	870.768
30)	L6 AR-1254-5	6.547	5.694	309.5E6	541.9E6	846.967	862.234

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

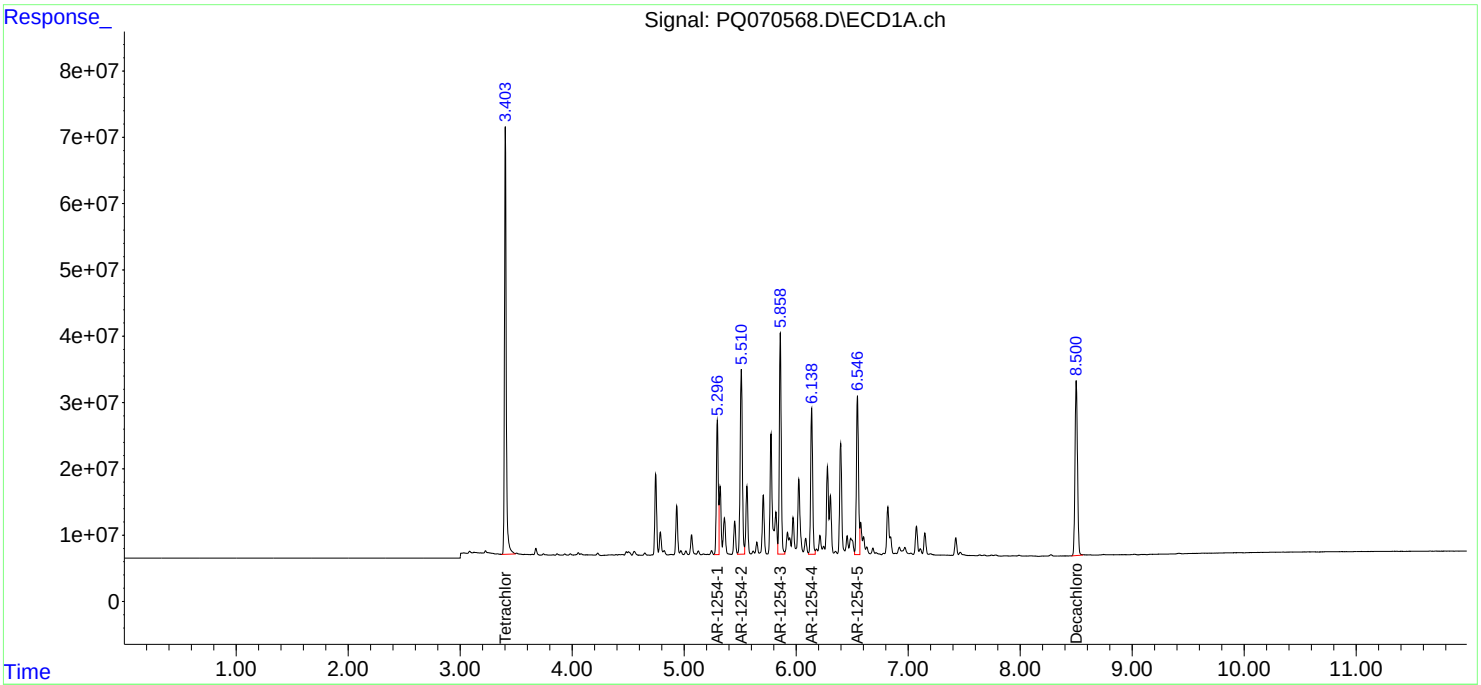
ICAL Form

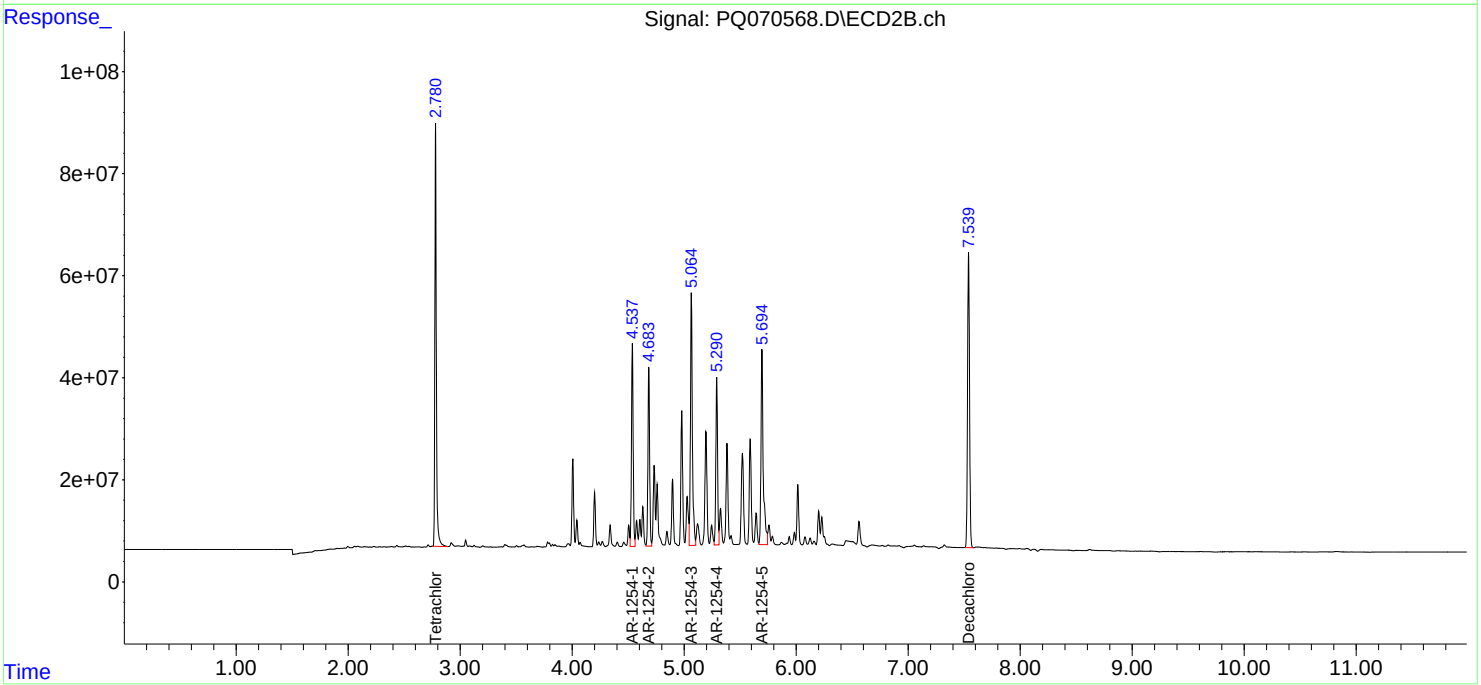
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:10
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

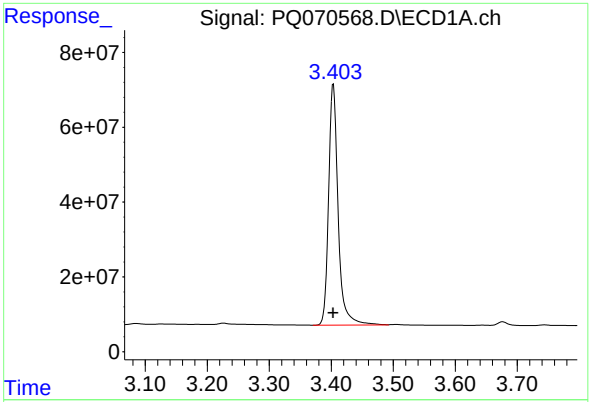
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:29:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



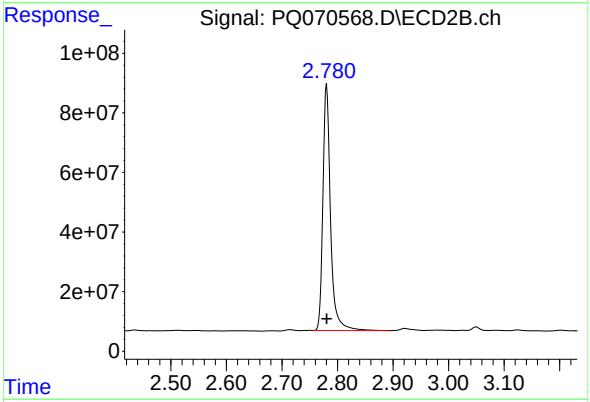




#1 Tetrachloro-m-xylene

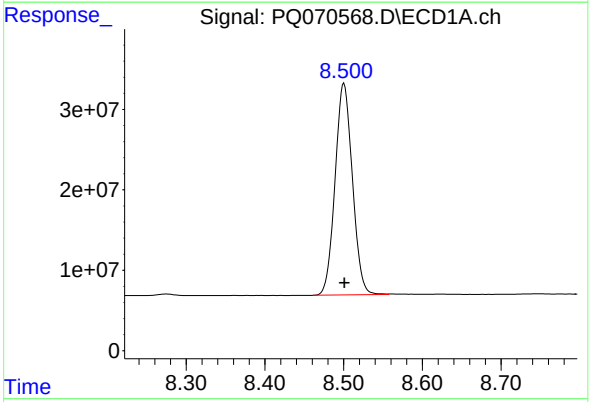
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 688978267
Conc: 84.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000



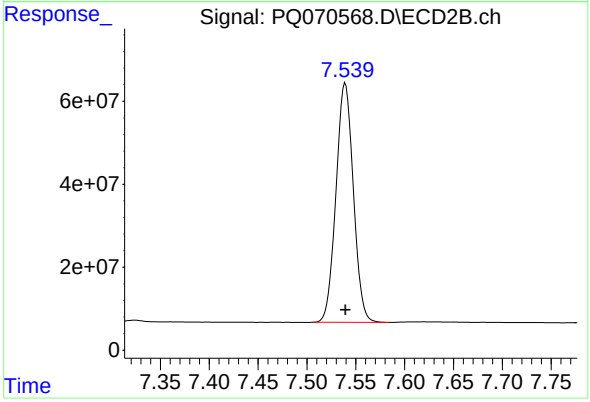
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 789757244
Conc: 83.58 ng/ml



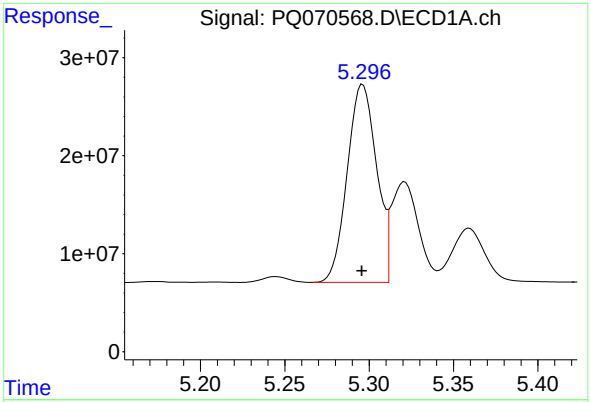
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 402123501
Conc: 89.28 ng/ml



#2 Decachlorobiphenyl

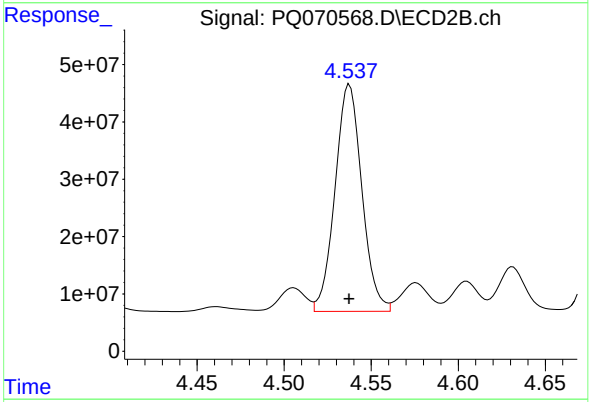
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 713951777
Conc: 89.79 ng/ml



#26 AR-1254-1

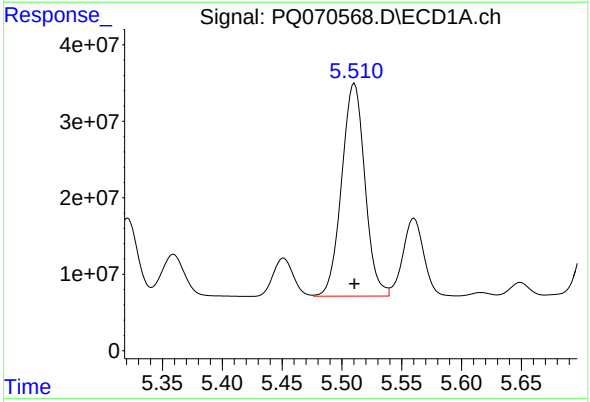
R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 244931601
Conc: 817.10 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000



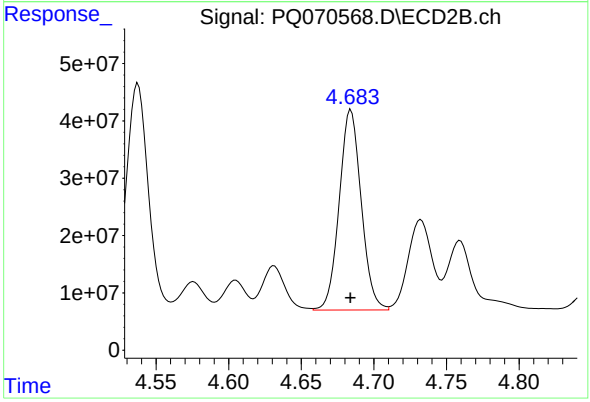
#26 AR-1254-1

R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 424683507
Conc: 838.24 ng/ml



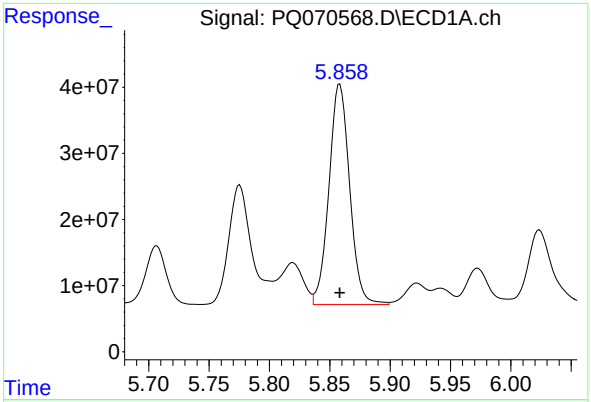
#27 AR-1254-2

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 375915610
Conc: 828.17 ng/ml



#27 AR-1254-2

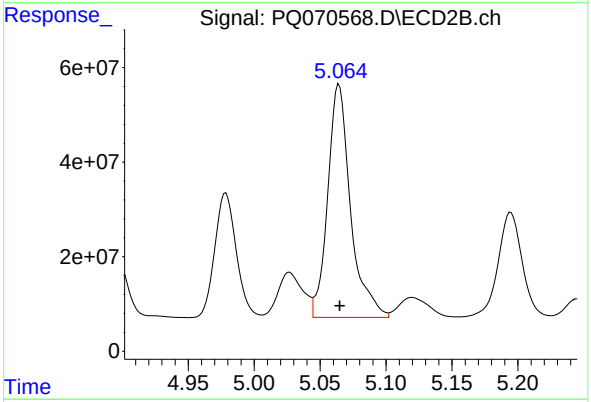
R.T.: 4.684 min
Delta R.T.: 0.000 min
Response: 368624938
Conc: 834.53 ng/ml



#28 AR-1254-3

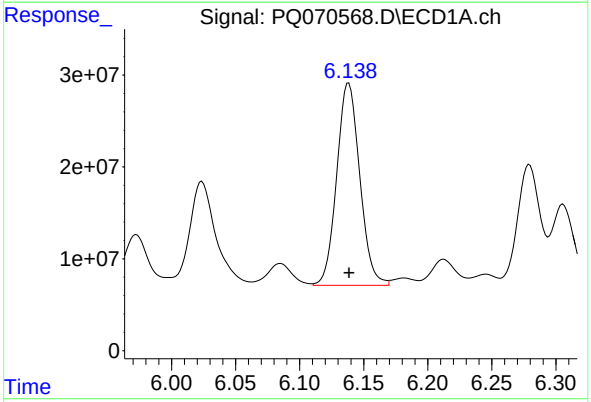
R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 398028348
Conc: 851.21 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000



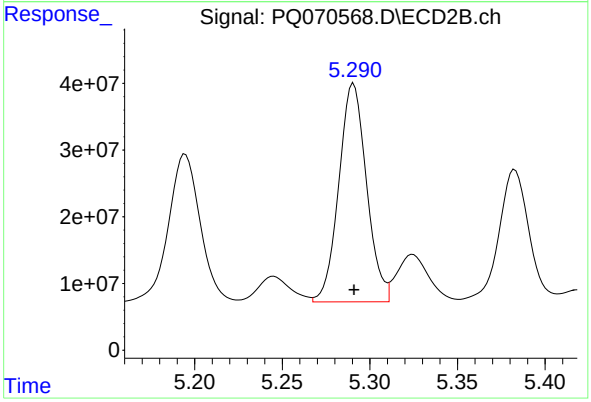
#28 AR-1254-3

R.T.: 5.064 min
Delta R.T.: 0.000 min
Response: 593887531
Conc: 851.14 ng/ml



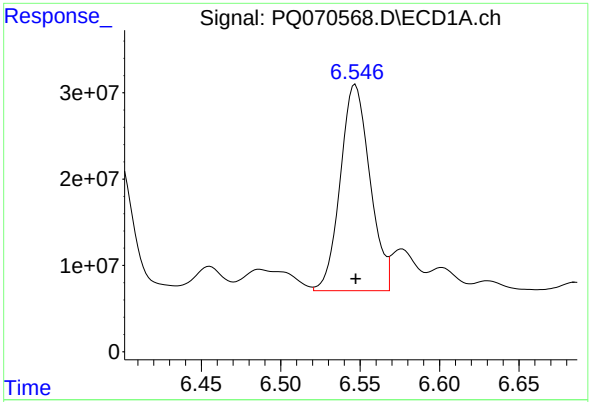
#29 AR-1254-4

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 275490358
Conc: 849.52 ng/ml



#29 AR-1254-4

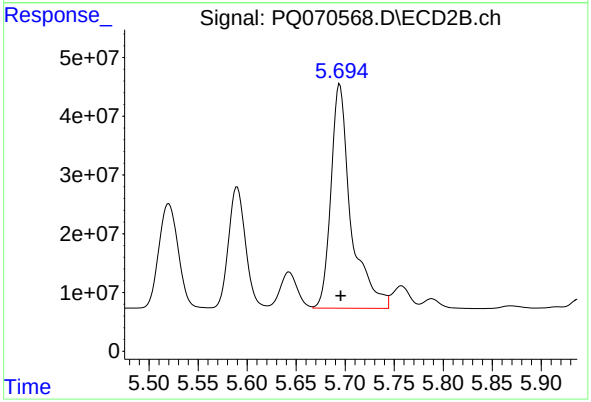
R.T.: 5.291 min
Delta R.T.: 0.000 min
Response: 360831773
Conc: 870.77 ng/ml



#30 AR-1254-5

R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 309533793
Conc: 846.97 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 541932198
Conc: 862.23 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:24
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:29:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	524.5E6	614.9E6	64.639	65.070
2)	SA Decachlor...	8.500	7.539	316.0E6	560.2E6	70.151	70.456
	Target Compounds						
26)	L6 AR-1254-1	5.296	4.537	192.8E6	333.3E6	643.087	657.845
27)	L6 AR-1254-2	5.510	4.684	293.3E6	291.8E6	646.247	660.597
28)	L6 AR-1254-3	5.858	5.065	309.9E6	469.7E6	662.754	673.197
29)	L6 AR-1254-4	6.139	5.290	217.3E6	281.0E6	670.149	678.117
30)	L6 AR-1254-5	6.547	5.695	245.6E6	426.6E6	671.915	678.721

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

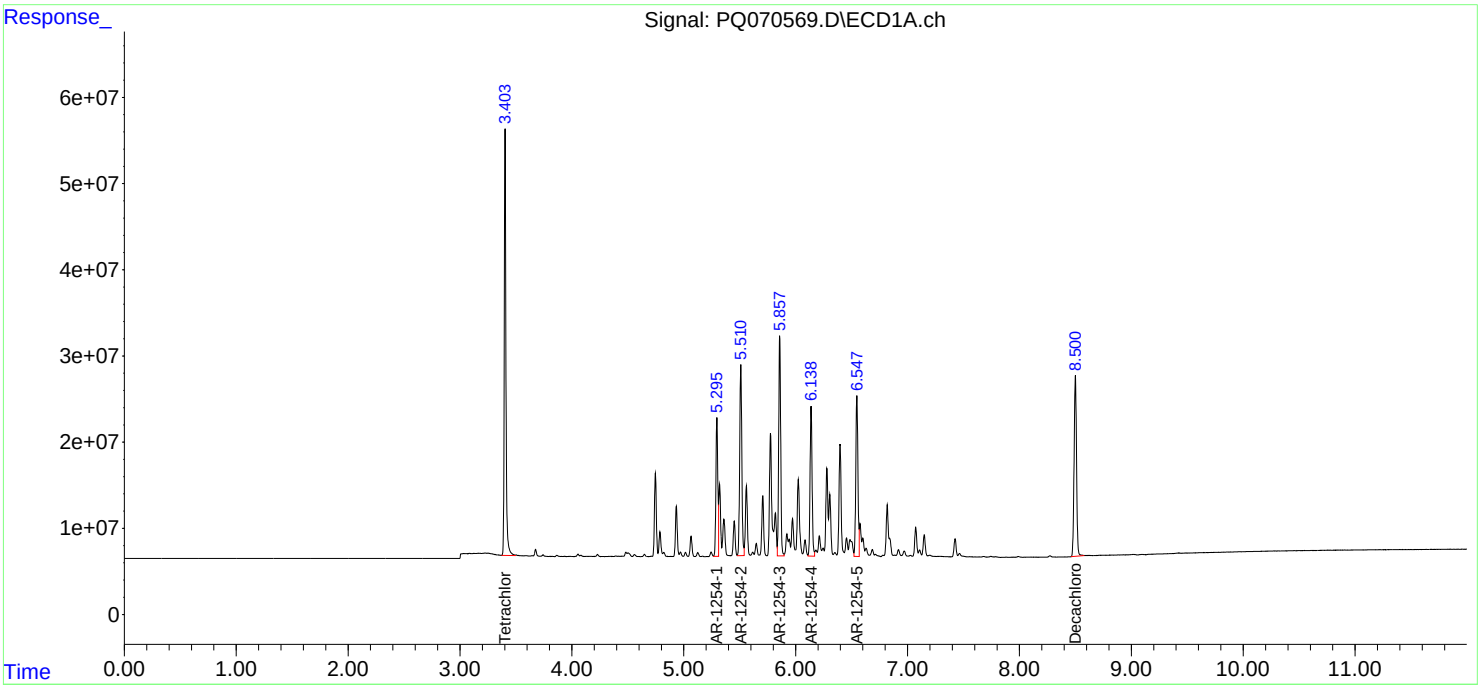
ICAL Form

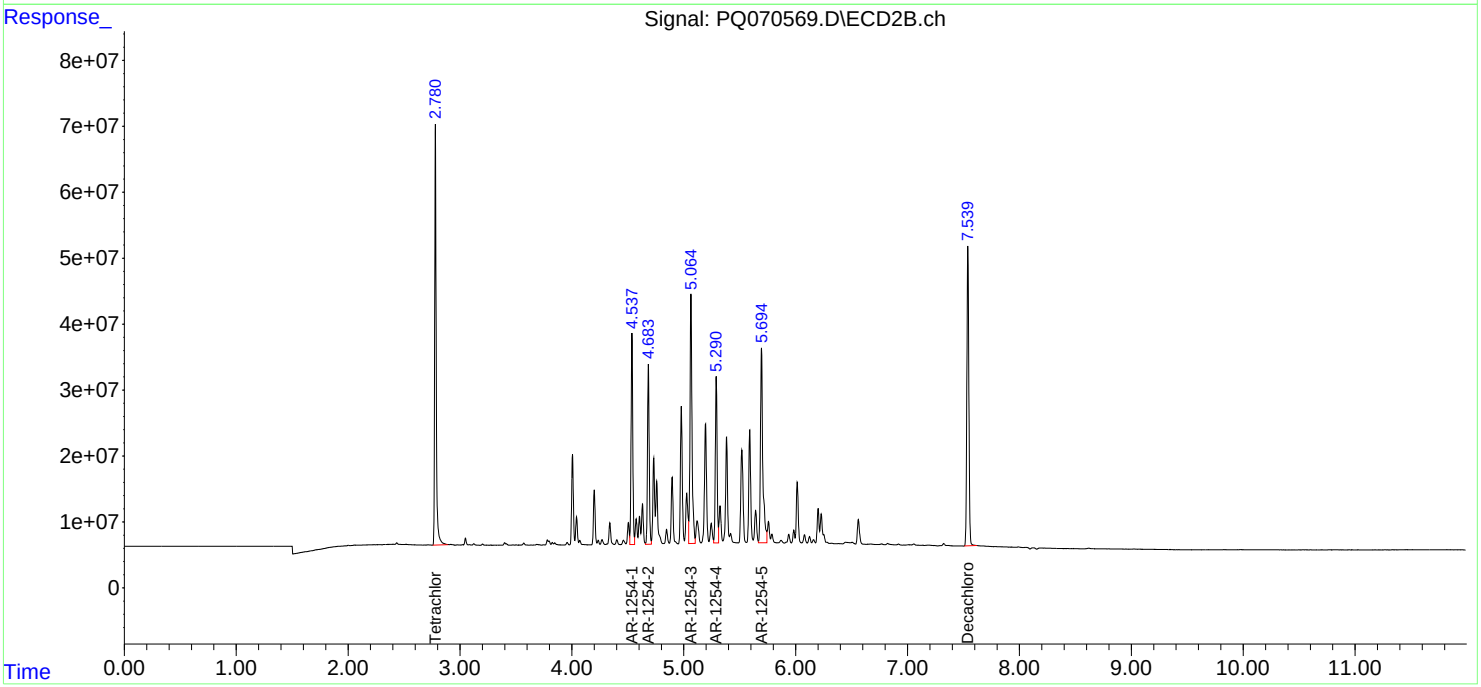
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:24
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

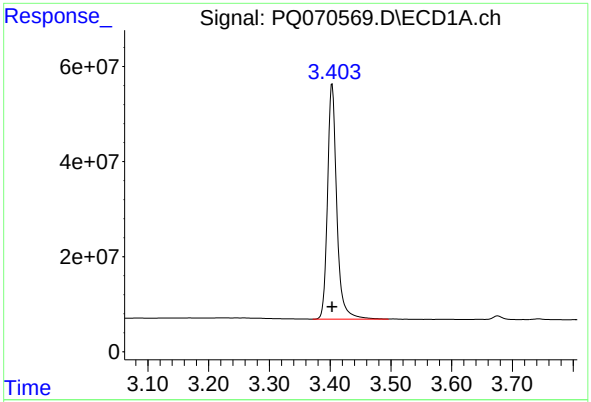
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:29:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



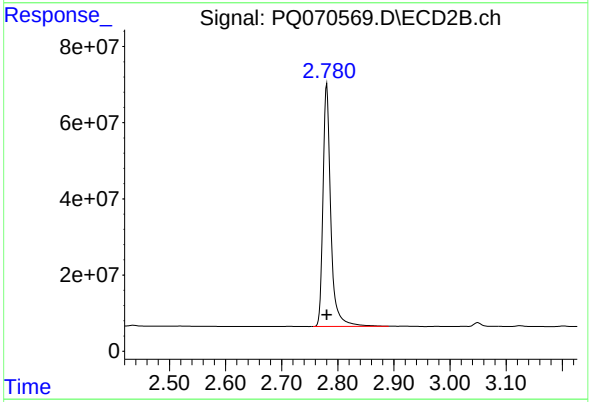




#1 Tetrachloro-m-xylene

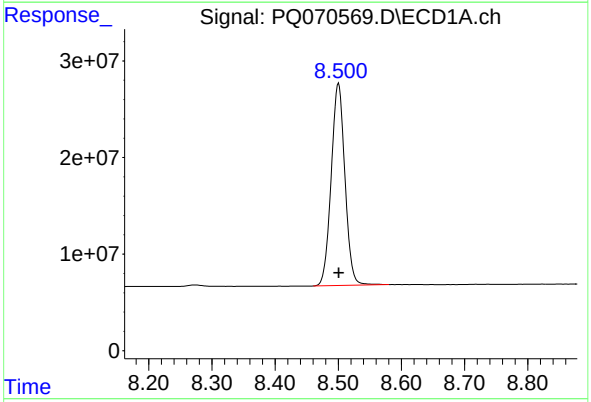
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 524546184
Conc: 64.64 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750



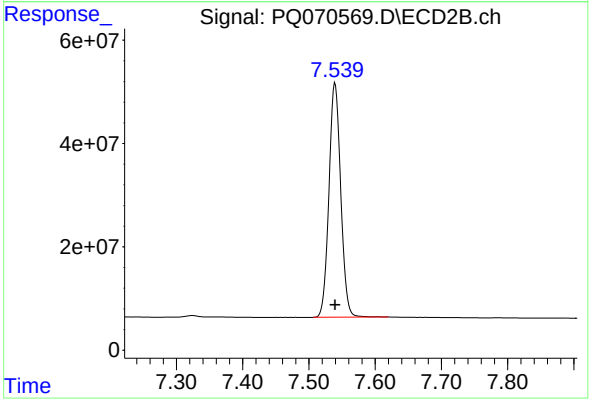
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 614887154
Conc: 65.07 ng/ml



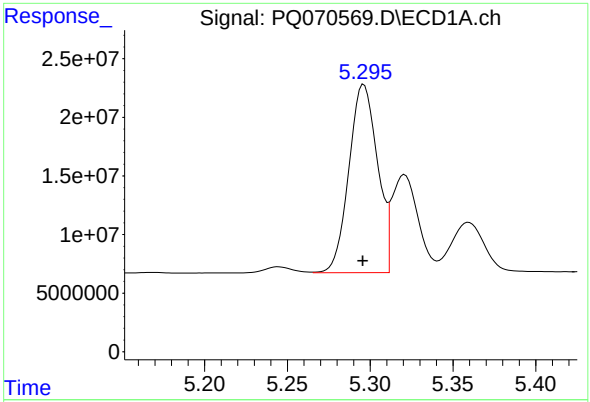
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 315977087
Conc: 70.15 ng/ml



#2 Decachlorobiphenyl

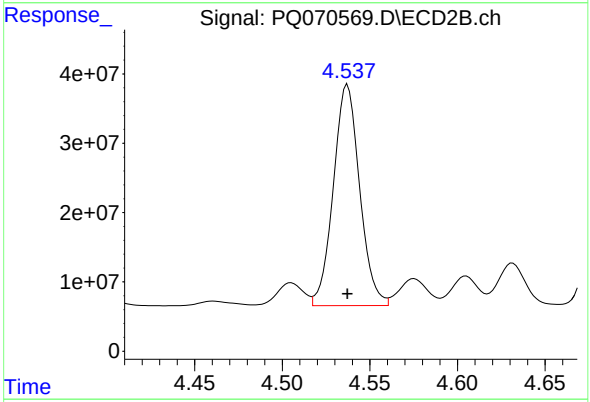
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 560219626
Conc: 70.46 ng/ml



#26 AR-1254-1

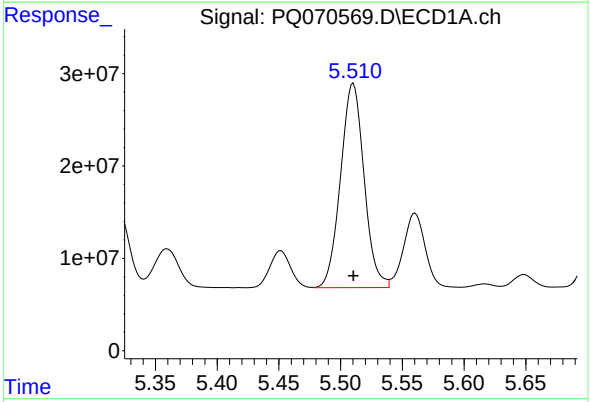
R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 192771029
Conc: 643.09 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750



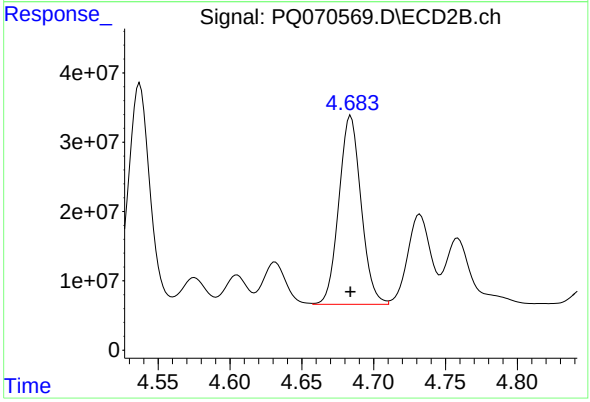
#26 AR-1254-1

R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 333287780
Conc: 657.85 ng/ml



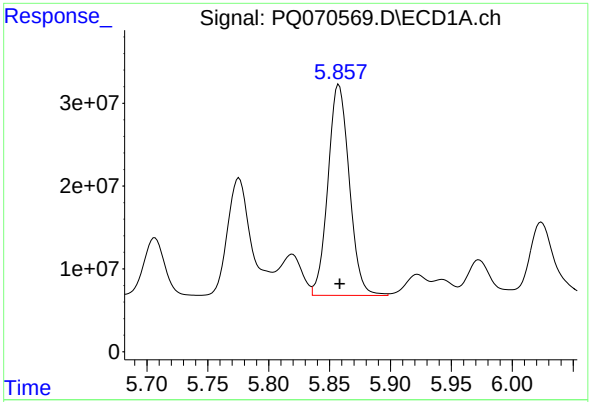
#27 AR-1254-2

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 293339318
Conc: 646.25 ng/ml



#27 AR-1254-2

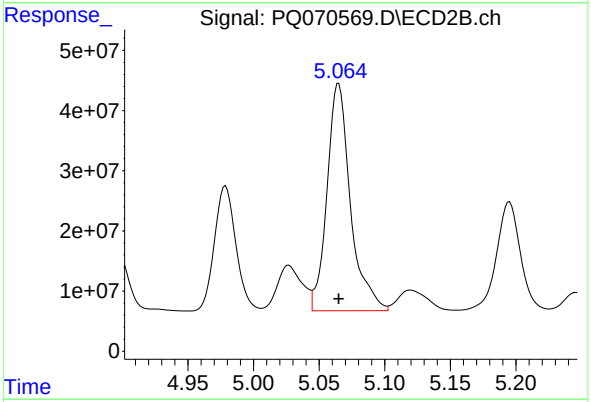
R.T.: 4.684 min
Delta R.T.: 0.000 min
Response: 291794863
Conc: 660.60 ng/ml



#28 AR-1254-3

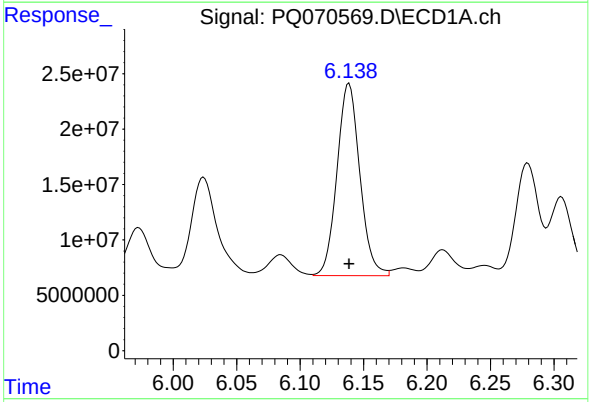
R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 309907687
Conc: 662.75 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750



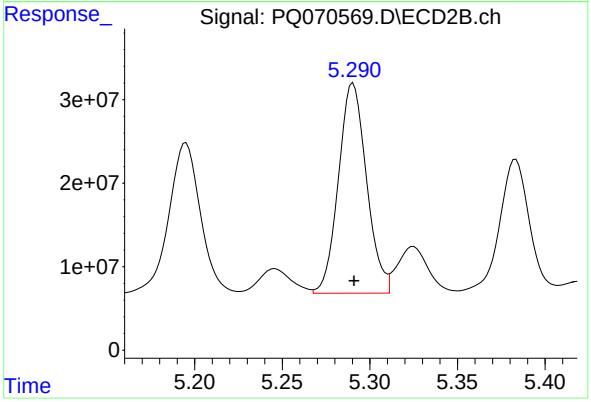
#28 AR-1254-3

R.T.: 5.065 min
Delta R.T.: 0.000 min
Response: 469724150
Conc: 673.20 ng/ml



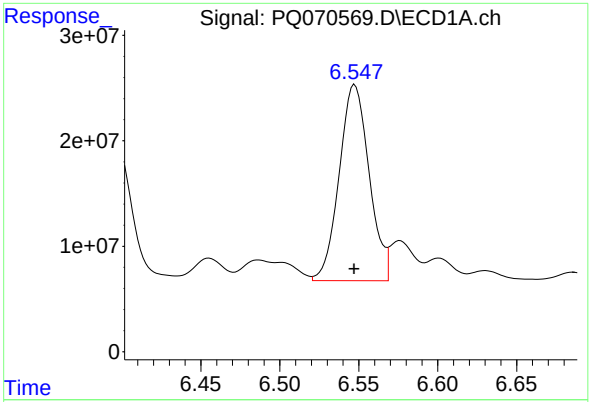
#29 AR-1254-4

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 217322513
Conc: 670.15 ng/ml



#29 AR-1254-4

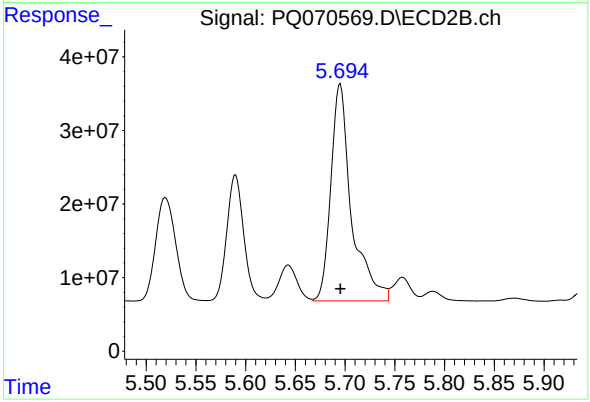
R.T.: 5.290 min
Delta R.T.: 0.000 min
Response: 281000435
Conc: 678.12 ng/ml



#30 AR-1254-5

R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 245559170
Conc: 671.91 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 5.695 min
Delta R.T.: 0.000 min
Response: 426590291
Conc: 678.72 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:39
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.781	405.7E6	472.5E6	50.000	50.000
2)	SA Decachlor...	8.501	7.539	225.2E6	397.6E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	5.295	4.537	149.9E6	253.3E6	500.000	500.000
27)	L6 AR-1254-2	5.510	4.684	227.0E6	220.9E6	500.000	500.000
28)	L6 AR-1254-3	5.858	5.065	233.8E6	348.9E6	500.000	500.000
29)	L6 AR-1254-4	6.139	5.291	162.1E6	207.2E6	500.000	500.000
30)	L6 AR-1254-5	6.547	5.695	182.7E6	314.3E6	500.000	500.000

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

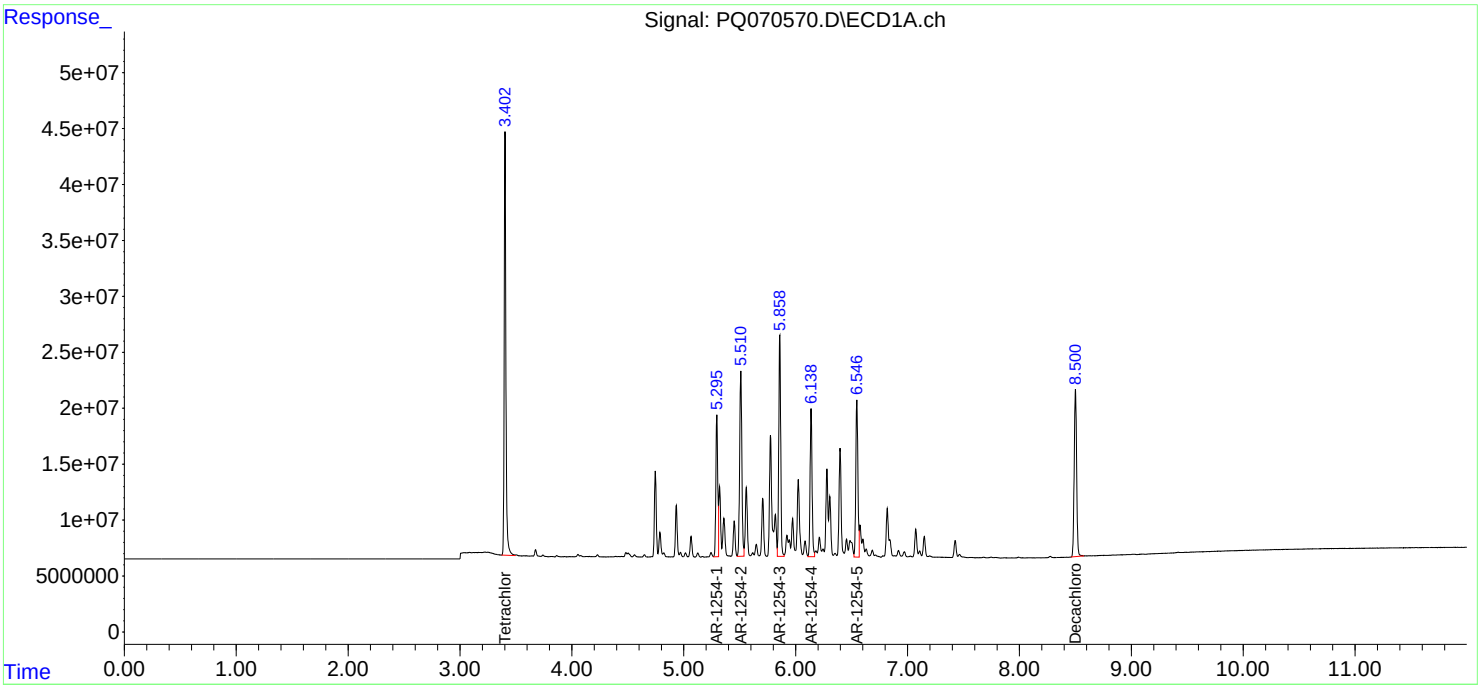
ICAL Form

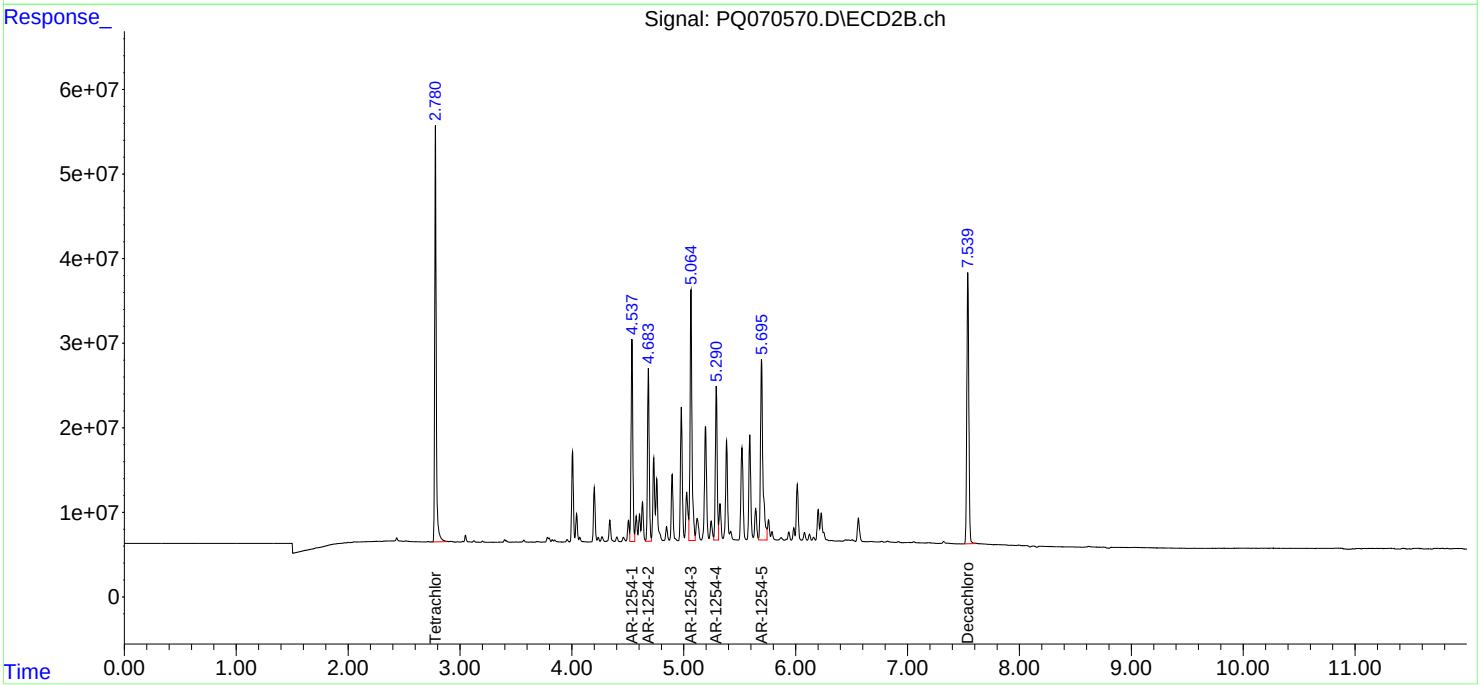
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:39
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

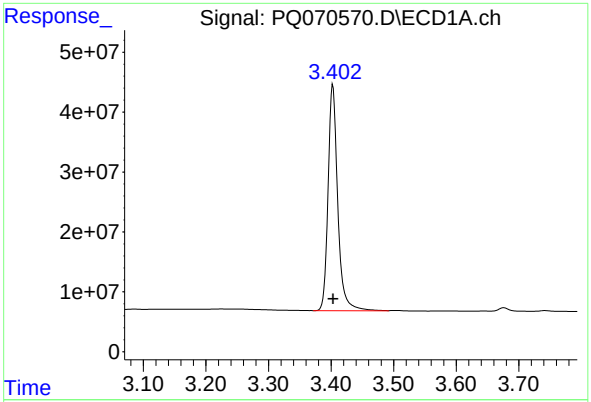
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



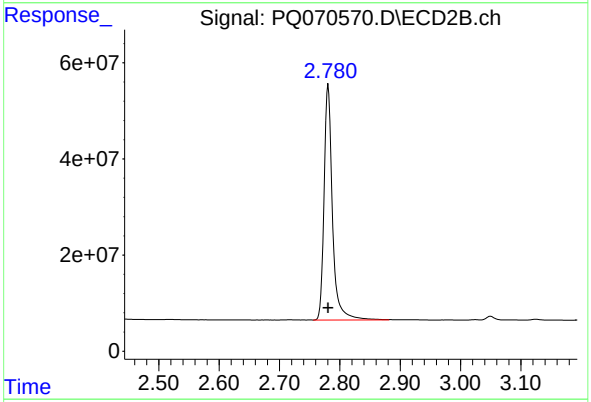




#1 Tetrachloro-m-xylene

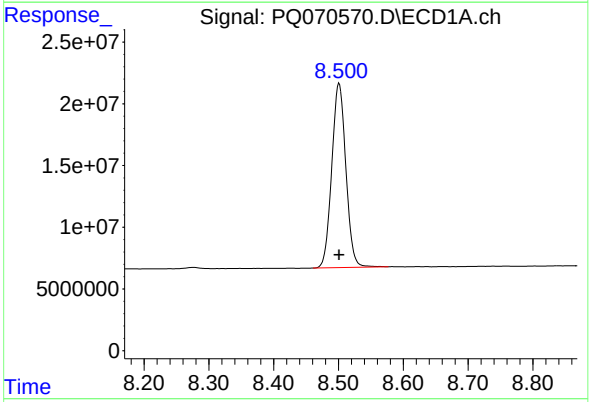
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 405748412
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500



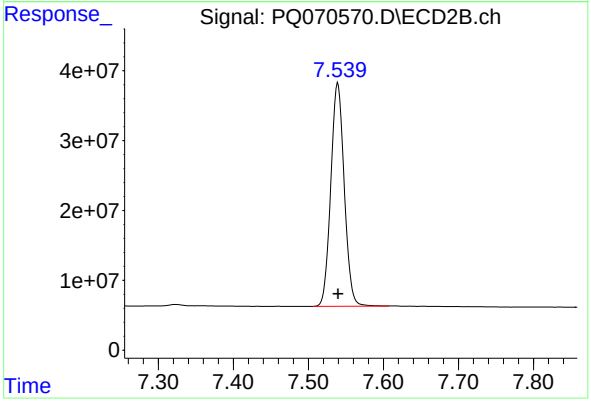
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 472478803
Conc: 50.00 ng/ml



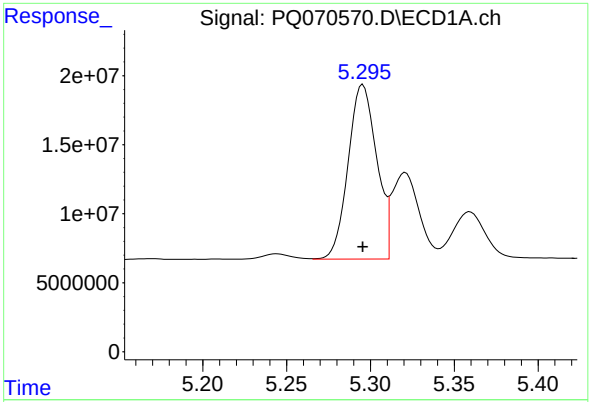
#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.000 min
Response: 225213082
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

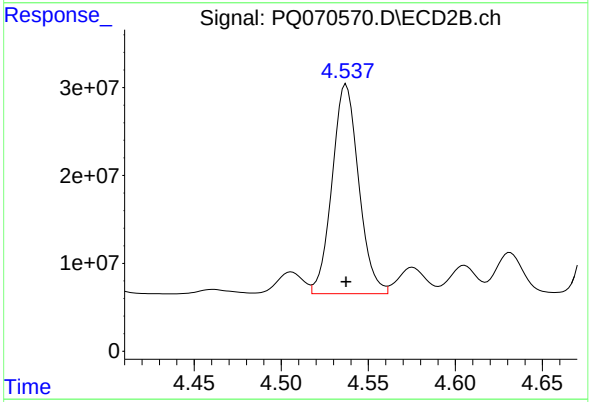
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 397565461
Conc: 50.00 ng/ml



#26 AR-1254-1

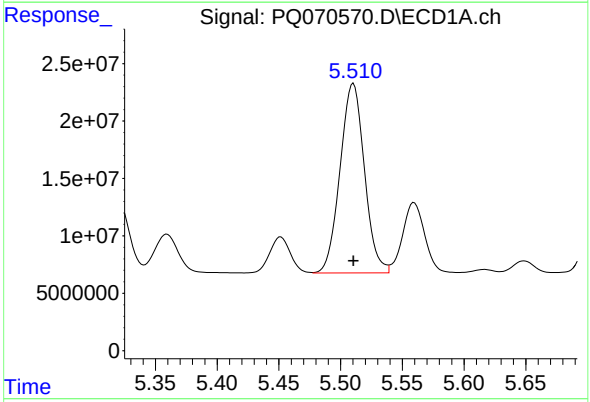
R.T.: 5.295 min
Delta R.T.: 0.000 min
Response: 149879413
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500



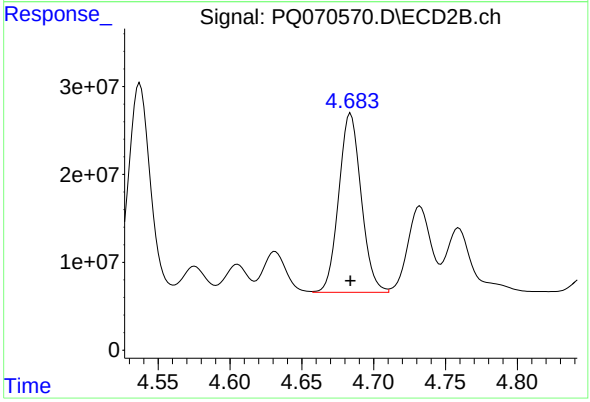
#26 AR-1254-1

R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 253317823
Conc: 500.00 ng/ml



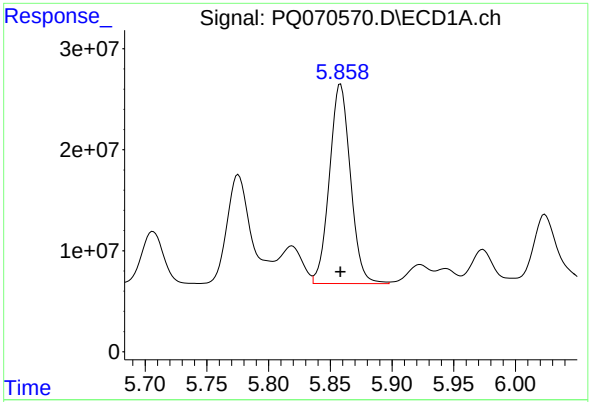
#27 AR-1254-2

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 226956108
Conc: 500.00 ng/ml



#27 AR-1254-2

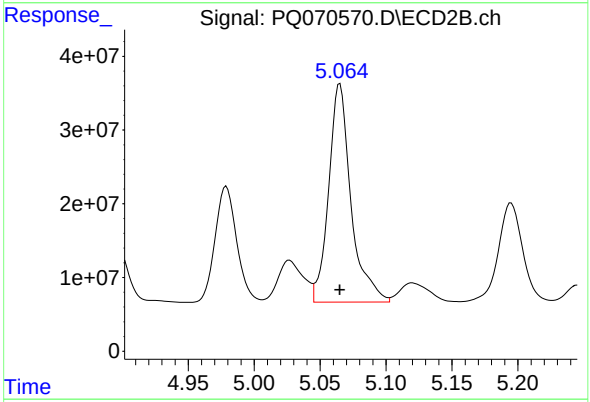
R.T.: 4.684 min
Delta R.T.: 0.000 min
Response: 220856785
Conc: 500.00 ng/ml



#28 AR-1254-3

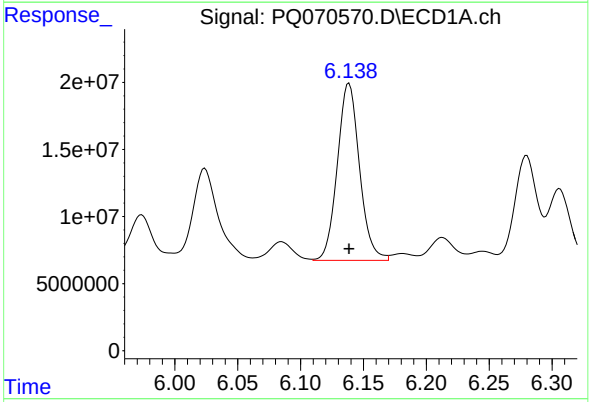
R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 233802804
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500



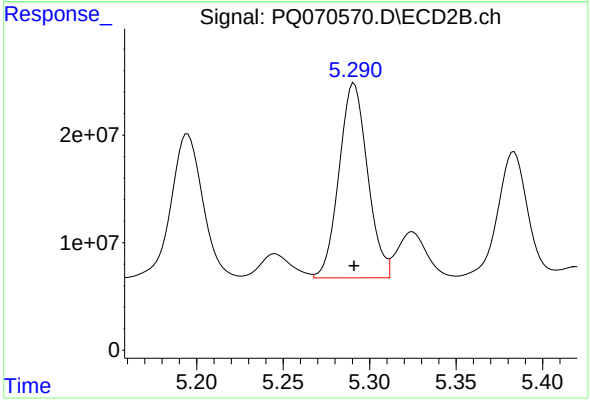
#28 AR-1254-3

R.T.: 5.065 min
Delta R.T.: 0.000 min
Response: 348875854
Conc: 500.00 ng/ml



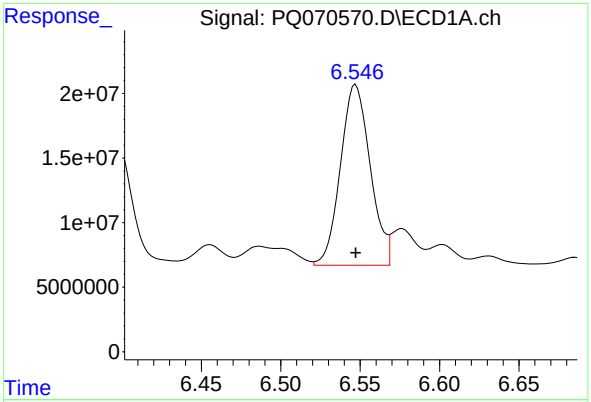
#29 AR-1254-4

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 162144877
Conc: 500.00 ng/ml



#29 AR-1254-4

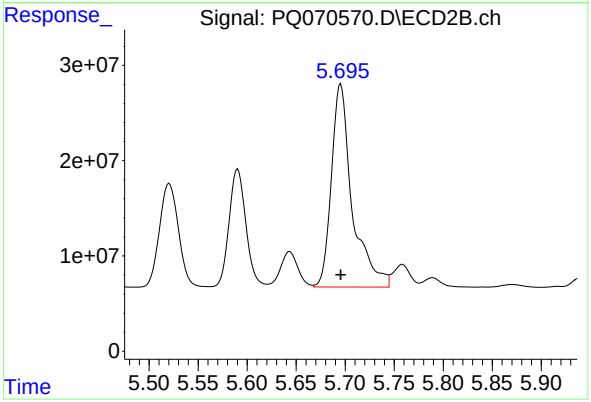
R.T.: 5.291 min
Delta R.T.: 0.000 min
Response: 207191779
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 182730831
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 5.695 min
Delta R.T.: 0.000 min
Response: 314260375
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:54
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:30:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	227.9E6	266.9E6	28.083	28.248
2)	SA Decachlor...	8.502	7.541	124.7E6	215.2E6	27.684	27.061
	Target Compounds						
26)	L6 AR-1254-1	5.296	4.537	87545687	148.1E6	292.054	292.309
27)	L6 AR-1254-2	5.511	4.684	131.0E6	128.9E6	288.668	291.786
28)	L6 AR-1254-3	5.858	5.065	133.5E6	199.2E6	285.599	285.501
29)	L6 AR-1254-4	6.139	5.291	91487426	117.2E6	282.116	282.939
30)	L6 AR-1254-5	6.548	5.696	103.5E6	177.3E6	283.173	282.092

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

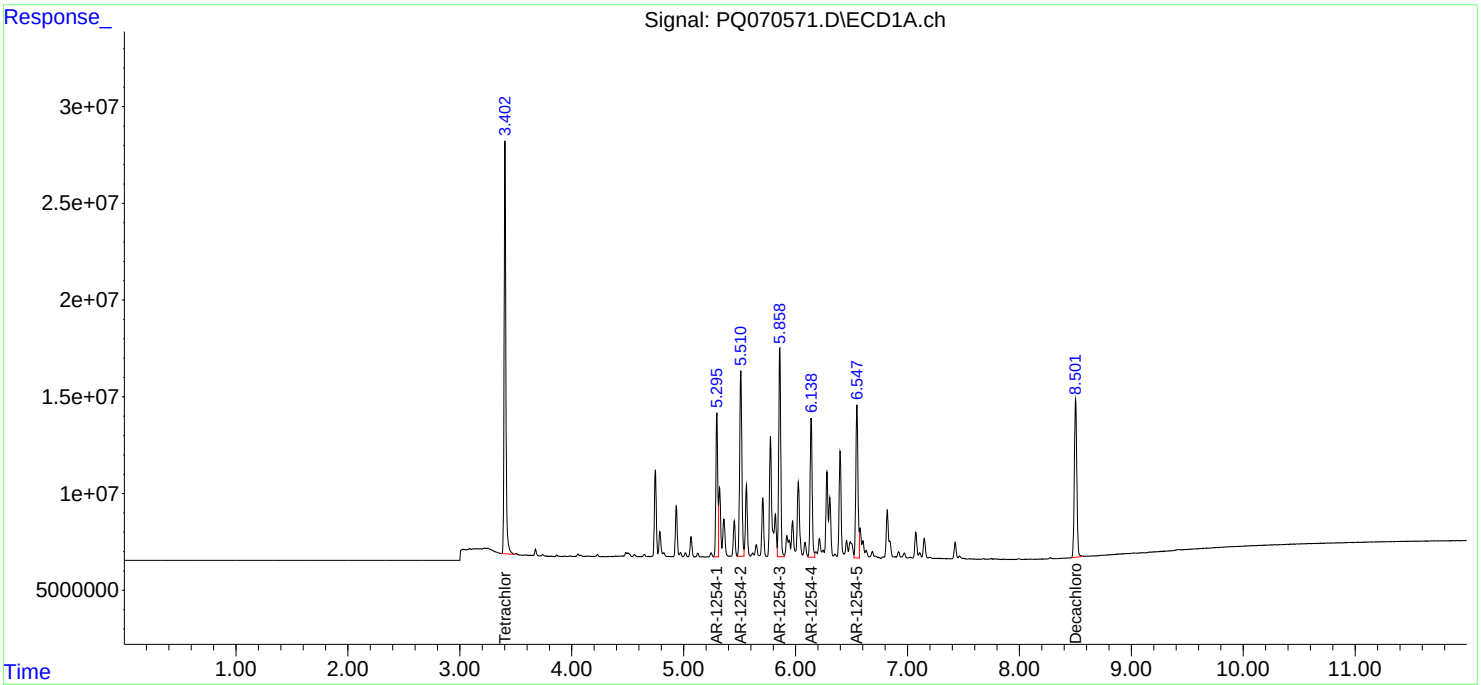
ICAL Form

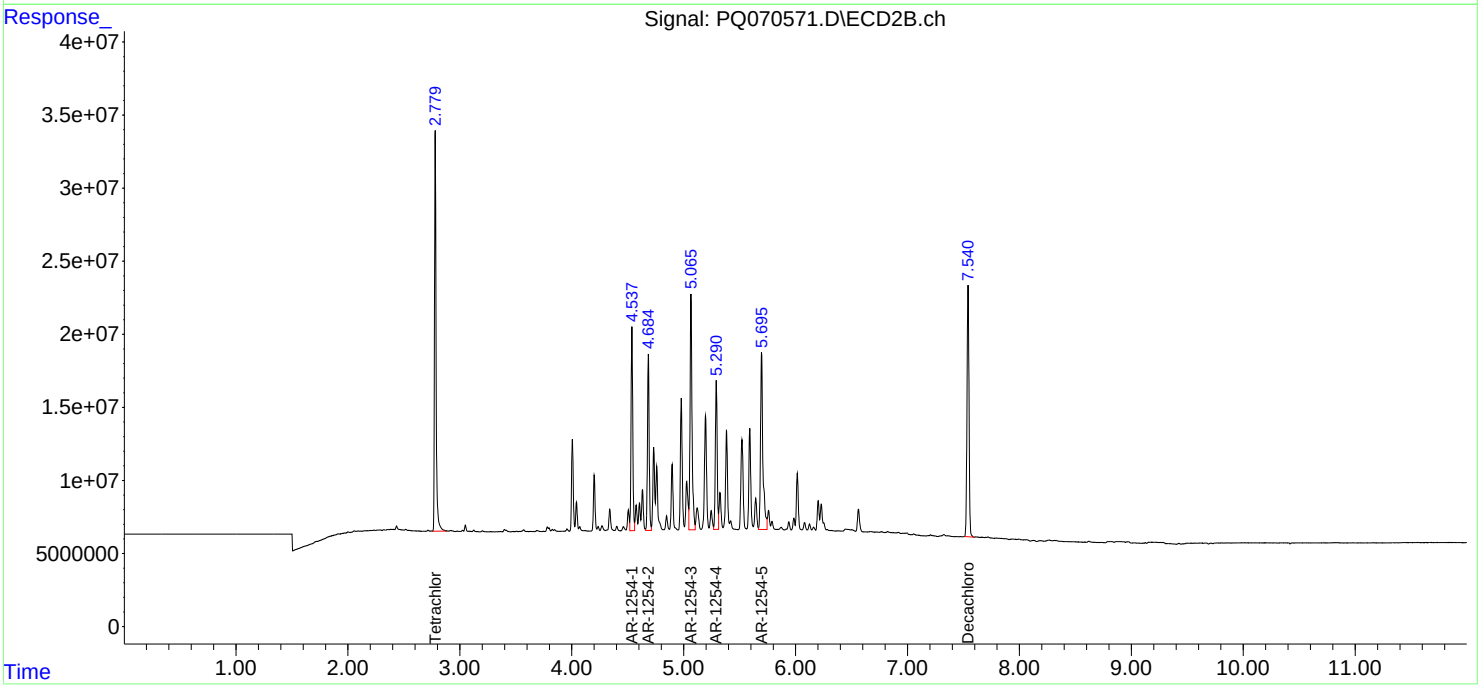
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:54
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

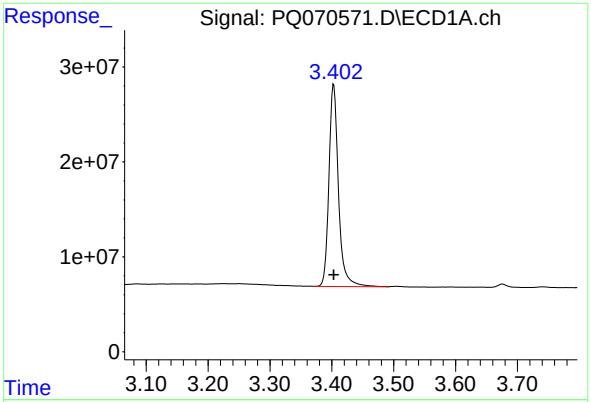
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:30:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



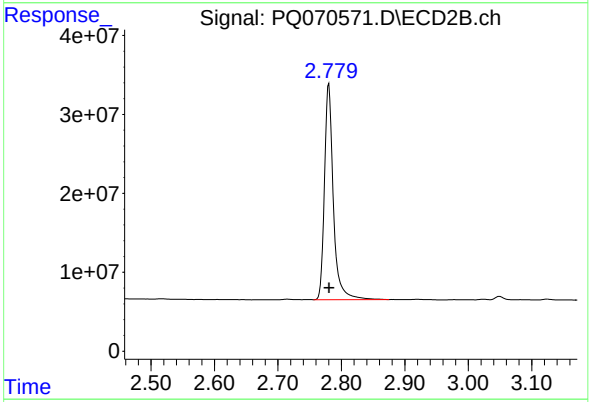




#1 Tetrachloro-m-xylene

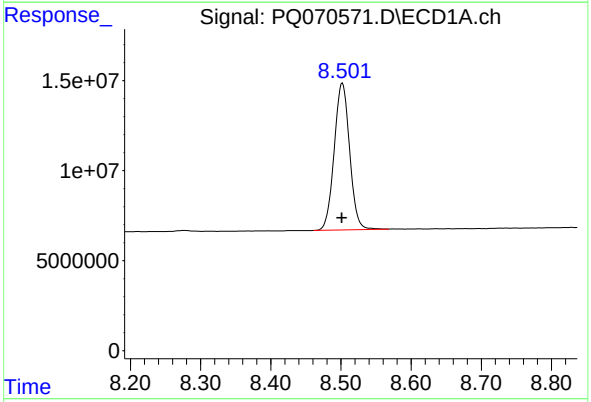
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 227889852
Conc: 28.08 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250



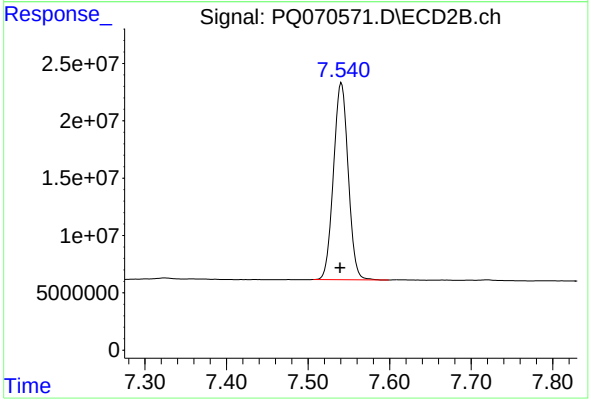
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 266932912
Conc: 28.25 ng/ml



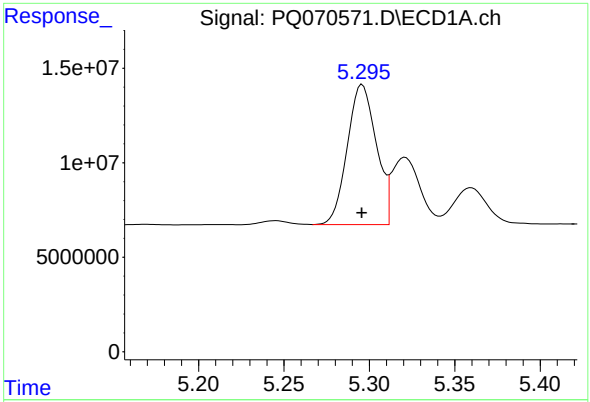
#2 Decachlorobiphenyl

R.T.: 8.502 min
Delta R.T.: 0.001 min
Response: 124697930
Conc: 27.68 ng/ml



#2 Decachlorobiphenyl

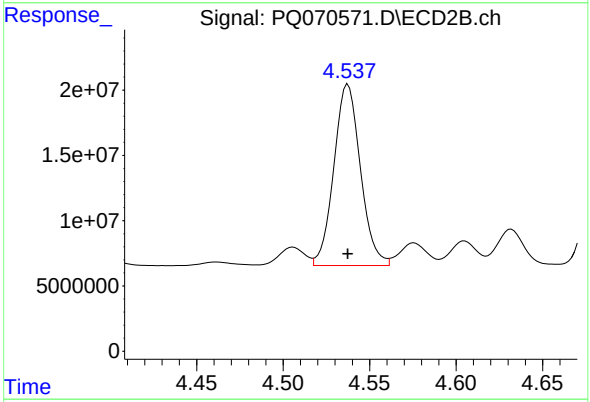
R.T.: 7.541 min
Delta R.T.: 0.002 min
Response: 215168591
Conc: 27.06 ng/ml



#26 AR-1254-1

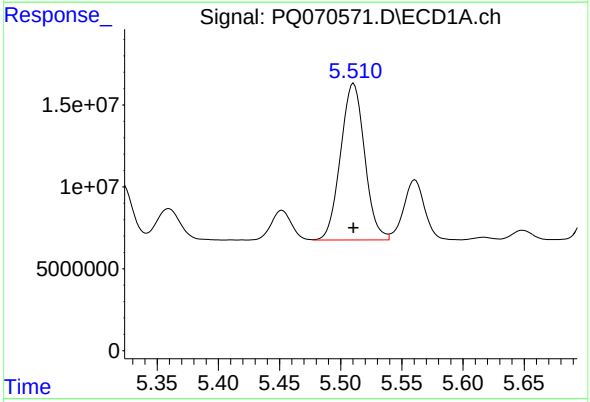
R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 87545687
Conc: 292.05 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250



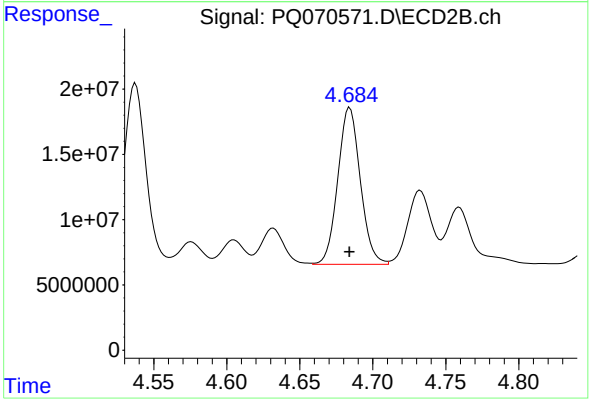
#26 AR-1254-1

R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 148094221
Conc: 292.31 ng/ml



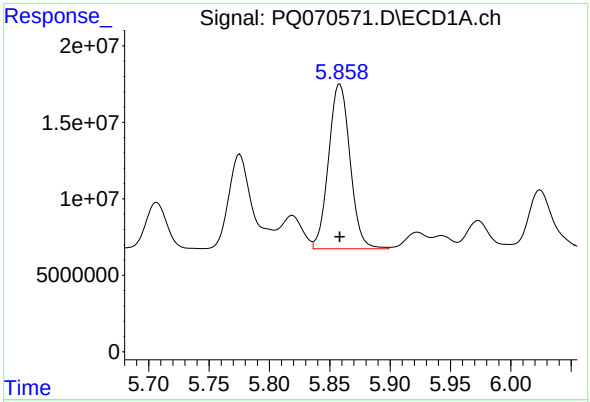
#27 AR-1254-2

R.T.: 5.511 min
Delta R.T.: 0.000 min
Response: 131029792
Conc: 288.67 ng/ml



#27 AR-1254-2

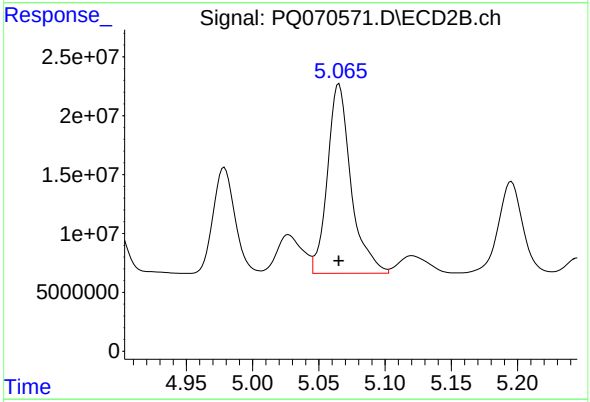
R.T.: 4.684 min
Delta R.T.: 0.000 min
Response: 128885854
Conc: 291.79 ng/ml



#28 AR-1254-3

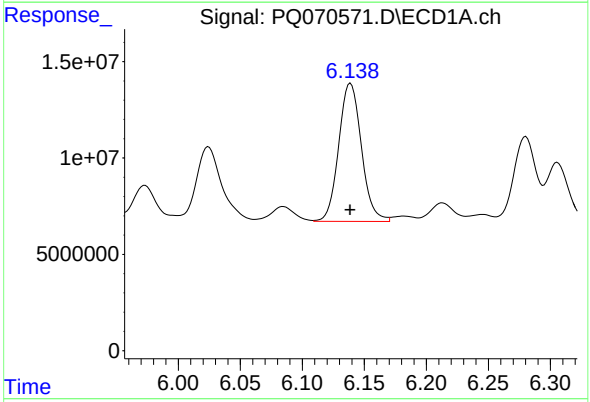
R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 133547664
Conc: 285.60 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250



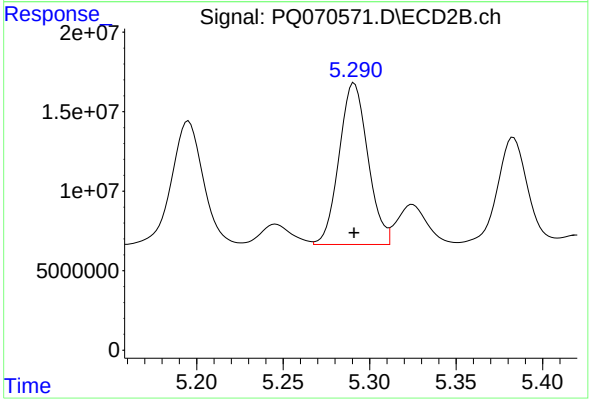
#28 AR-1254-3

R.T.: 5.065 min
Delta R.T.: 0.000 min
Response: 199208903
Conc: 285.50 ng/ml



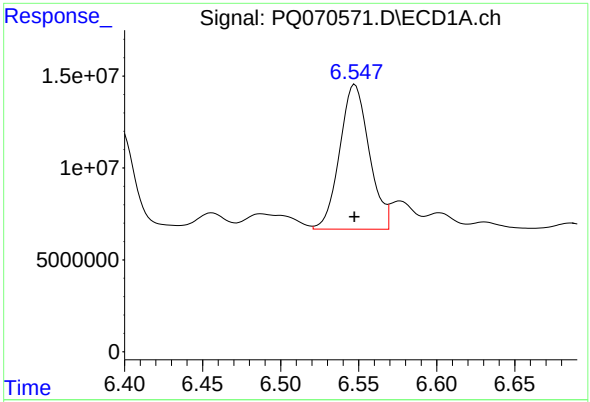
#29 AR-1254-4

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 91487426
Conc: 282.12 ng/ml



#29 AR-1254-4

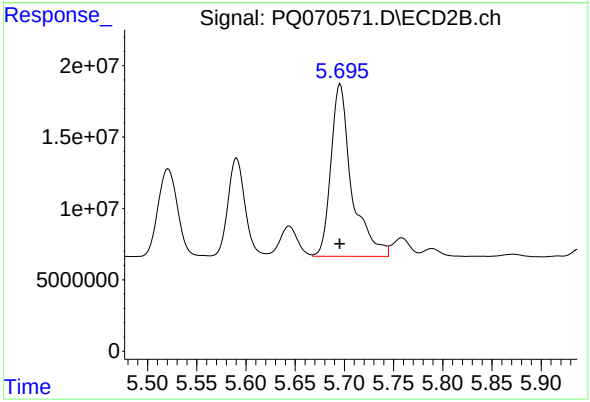
R.T.: 5.291 min
Delta R.T.: 0.000 min
Response: 117245266
Conc: 282.94 ng/ml



#30 AR-1254-5

R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 103488722
Conc: 283.17 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 5.696 min
Delta R.T.: 0.000 min
Response: 177300744
Conc: 282.09 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 08:52
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:07:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:06:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	33870701	39980118	4.174	4.231
2)	SA Decachlor...	8.502	7.540	20865183	40415408	4.632	5.083
	Target Compounds						
26)	L6 AR-1254-1	5.295	4.537	15481846	27281030	51.648	53.847m
27)	L6 AR-1254-2	5.511	4.683	21097515	22469651	46.479	50.869m
28)	L6 AR-1254-3	5.858	5.065	22058640	34997794	47.174	50.158
29)	L6 AR-1254-4	6.138	5.291	16715291	20006214	51.544	48.279
30)	L6 AR-1254-5	6.547	5.695	17045976	29608461	46.642	47.108

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 08:52
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

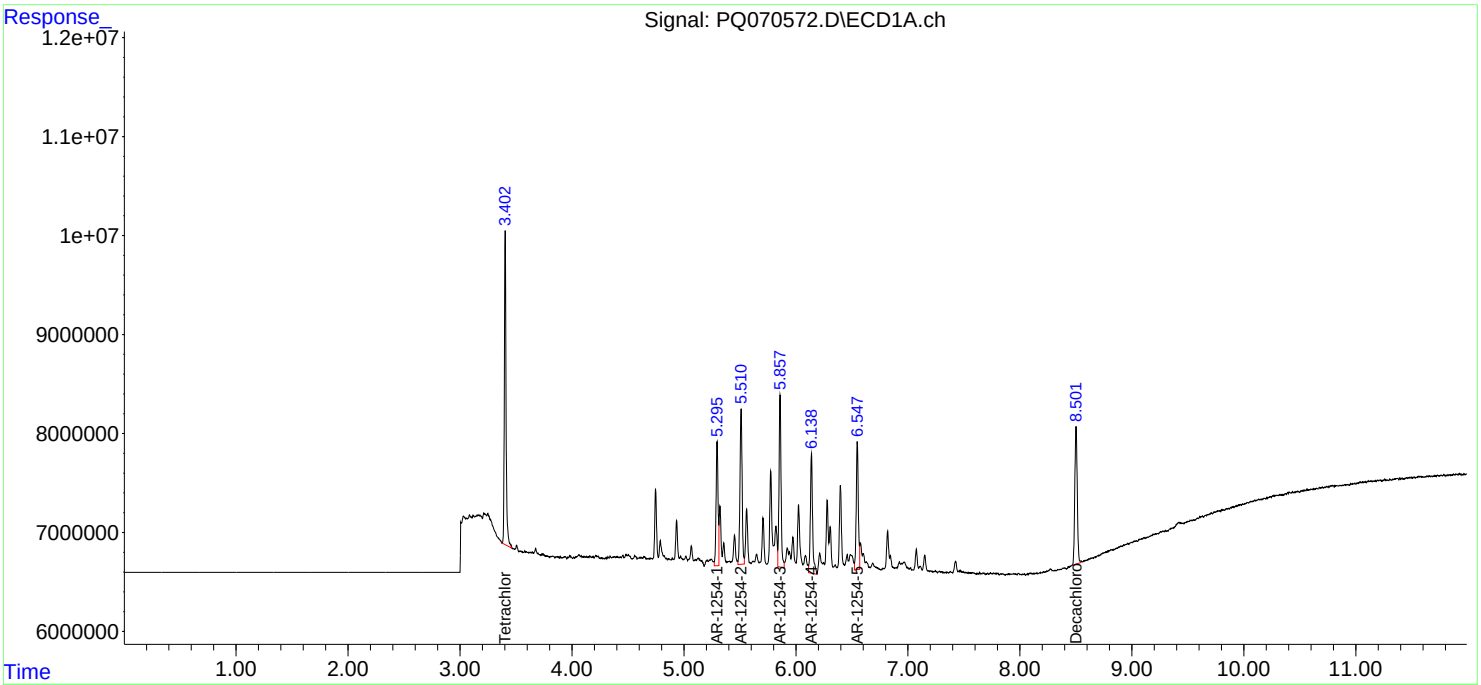
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

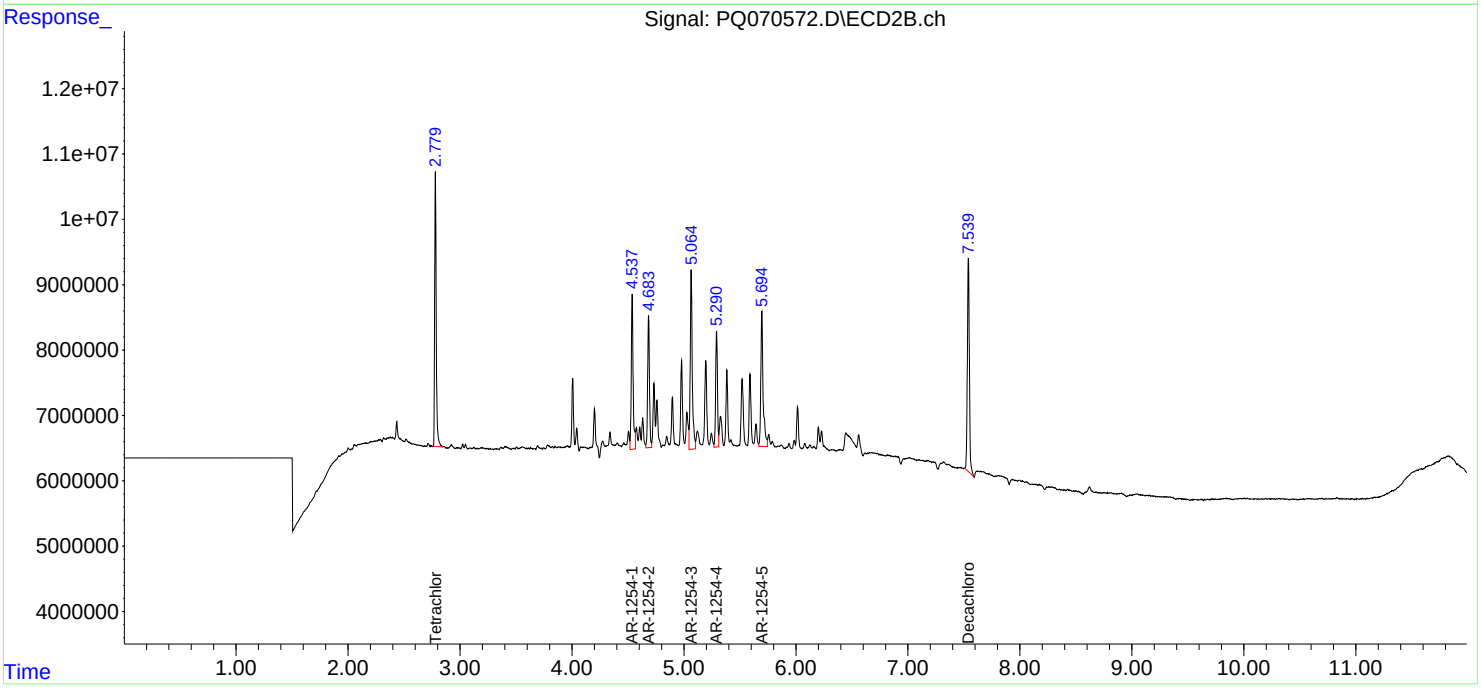
Manual Integrations APPROVED

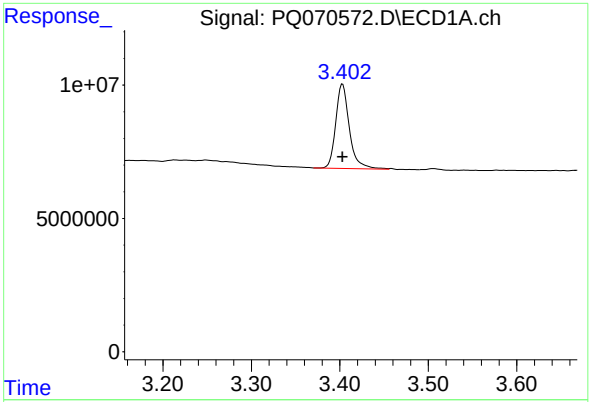
Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:07:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:06:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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







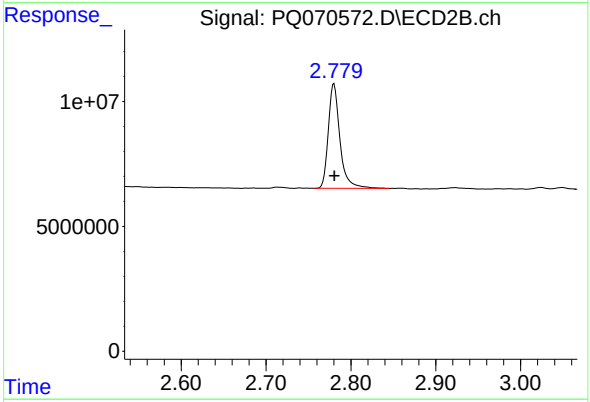
#1 Tetrachloro-m-xylene

R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 33870701
Conc: 4.17 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

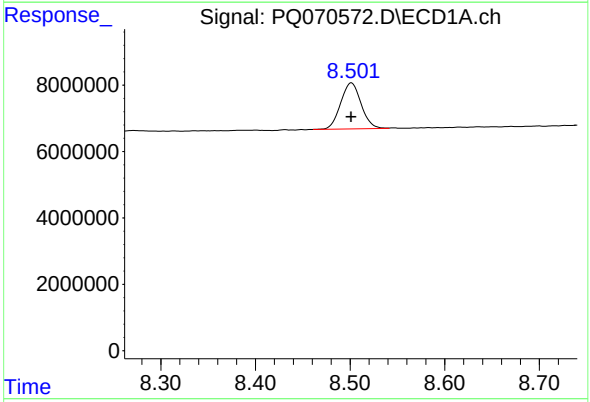
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



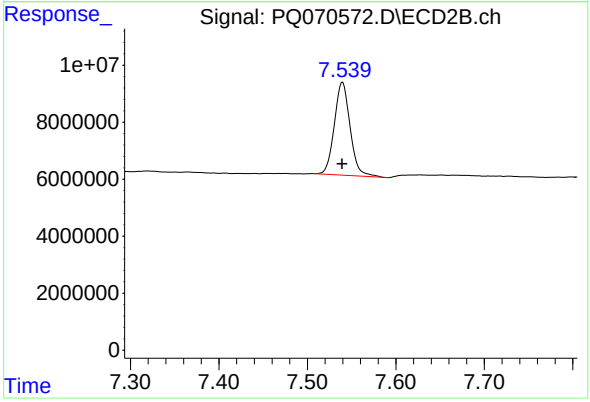
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 39980118
Conc: 4.23 ng/ml



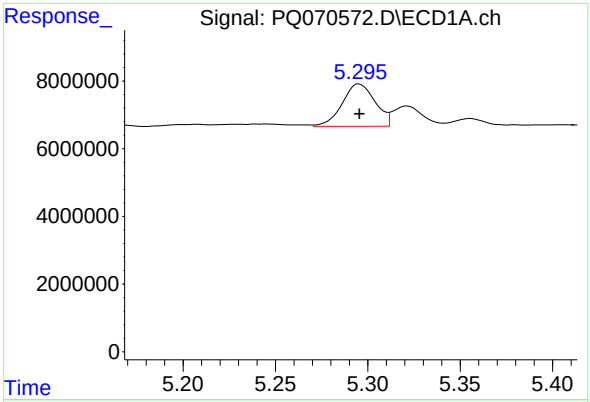
#2 Decachlorobiphenyl

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 20865183
Conc: 4.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 40415408
Conc: 5.08 ng/ml



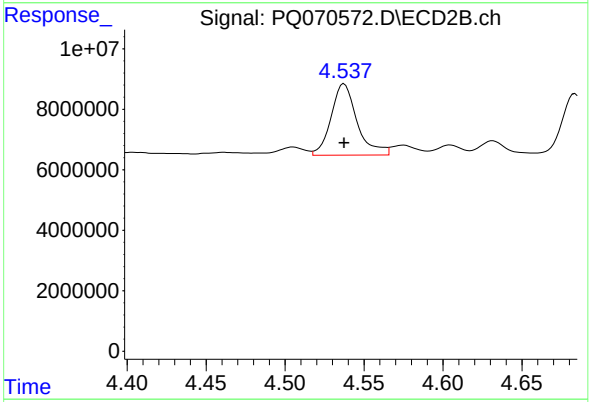
#26 AR-1254-1

R.T.: 5.295 min
Delta R.T.: 0.000 min
Response: 15481846
Conc: 51.65 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

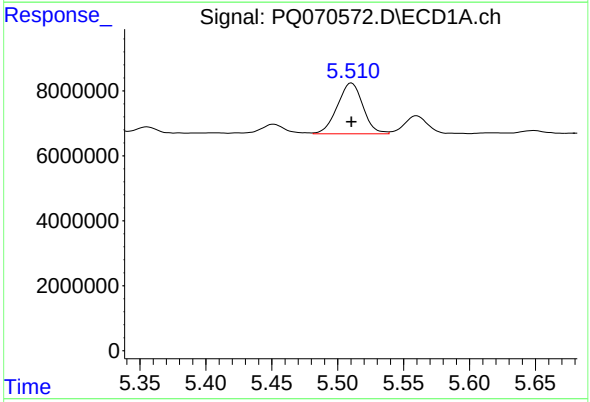
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



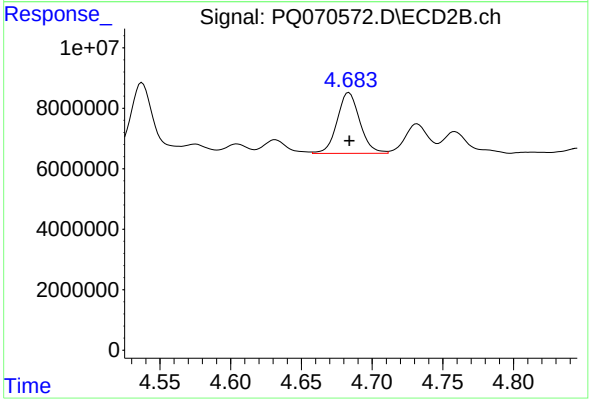
#26 AR-1254-1

R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 27281030
Conc: 53.85 ng/ml m



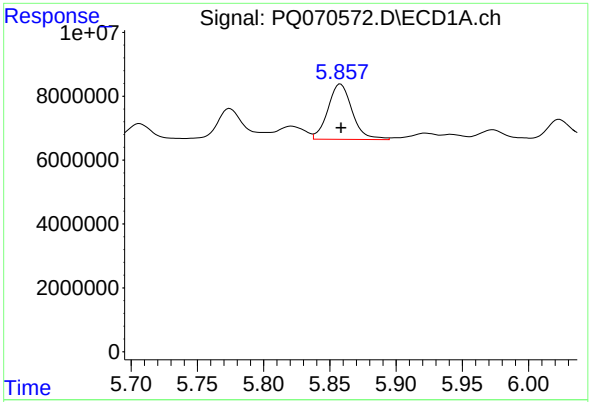
#27 AR-1254-2

R.T.: 5.511 min
Delta R.T.: 0.000 min
Response: 21097515
Conc: 46.48 ng/ml



#27 AR-1254-2

R.T.: 4.683 min
Delta R.T.: -0.001 min
Response: 22469651
Conc: 50.87 ng/ml m



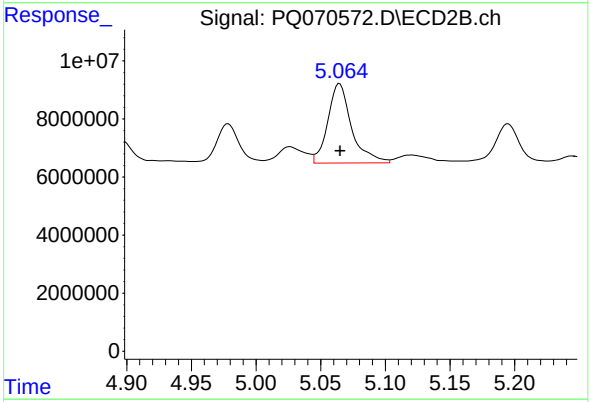
#28 AR-1254-3

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 22058640
Conc: 47.17 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

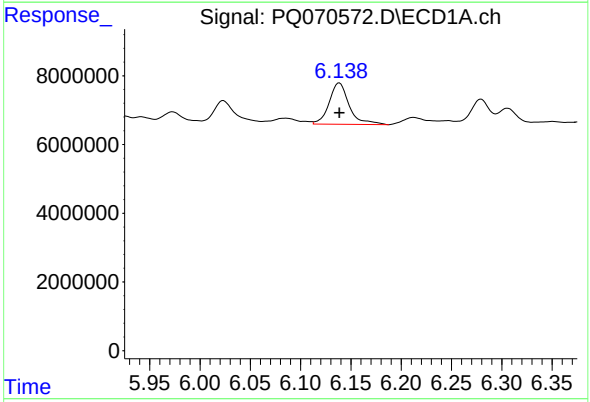
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



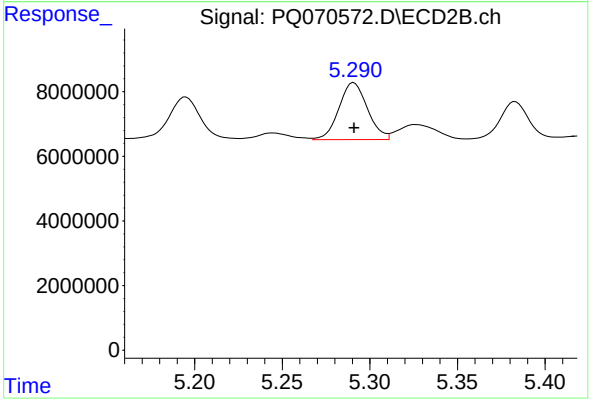
#28 AR-1254-3

R.T.: 5.065 min
Delta R.T.: 0.000 min
Response: 34997794
Conc: 50.16 ng/ml



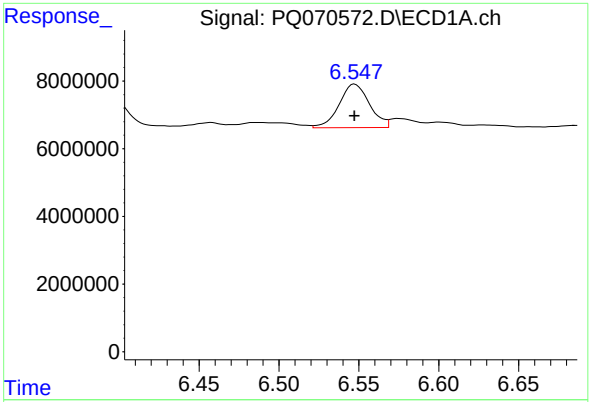
#29 AR-1254-4

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 16715291
Conc: 51.54 ng/ml



#29 AR-1254-4

R.T.: 5.291 min
Delta R.T.: 0.000 min
Response: 20006214
Conc: 48.28 ng/ml



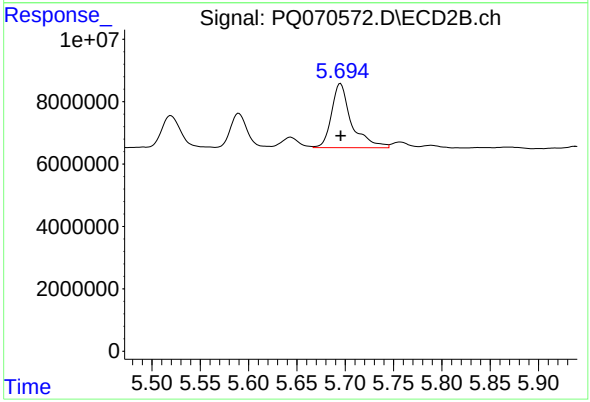
#30 AR-1254-5

R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 17045976
Conc: 46.64 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



#30 AR-1254-5

R.T.: 5.695 min
Delta R.T.: 0.000 min
Response: 29608461
Conc: 47.11 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:07
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:23:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:22:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	460.1E6	531.9E6	50.000	50.000
2)	SA Decachlor...	8.502	7.540	242.6E6	421.6E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	6.844	5.738	233.5E6	370.0E6	500.000	500.000
37)	L8 AR-1262-2	7.150	5.985	400.9E6	337.5E6	500.000	500.000
38)	L8 AR-1262-3	7.423	6.506	265.5E6	257.1E6	500.000	500.000
39)	L8 AR-1262-4	7.496	6.567	209.9E6	465.2E6	500.000	500.000
40)	L8 AR-1262-5	7.992	7.057	123.8E6	215.0E6	500.000	500.000

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

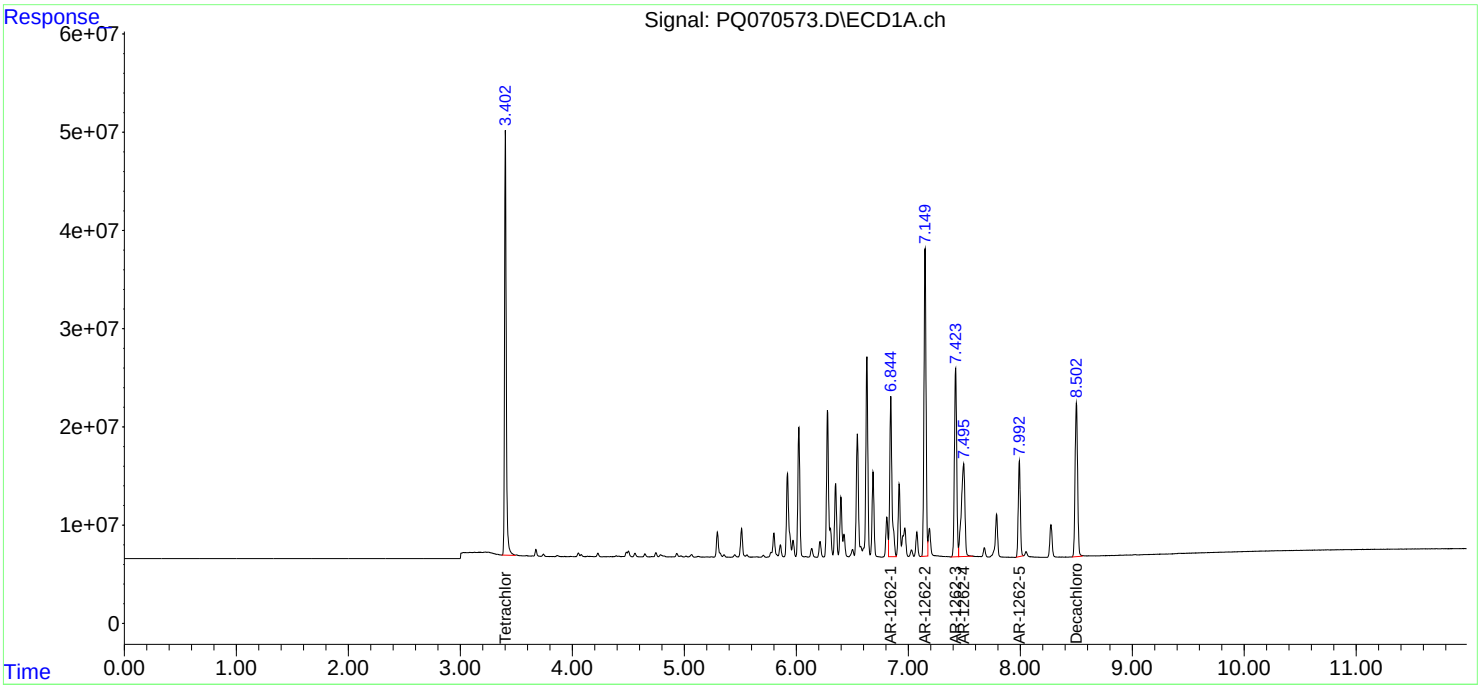
ICAL Form

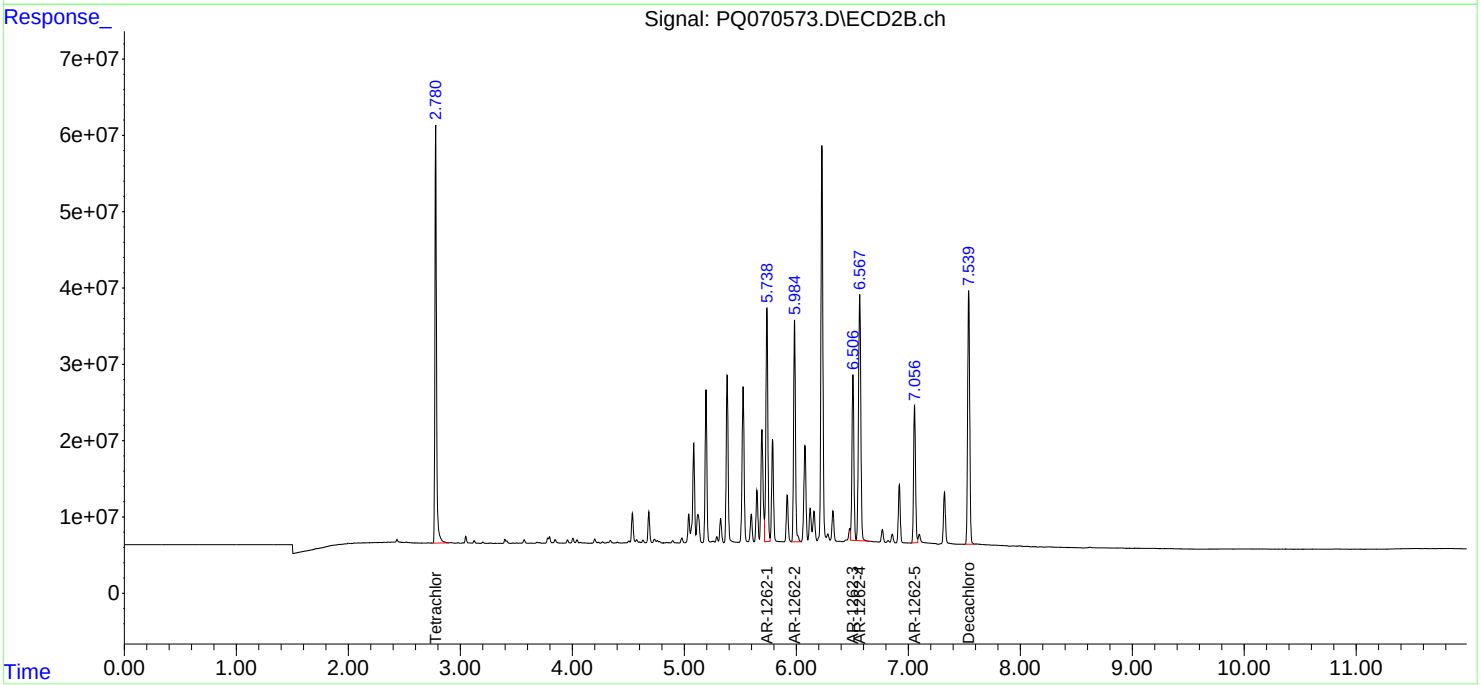
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:07
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

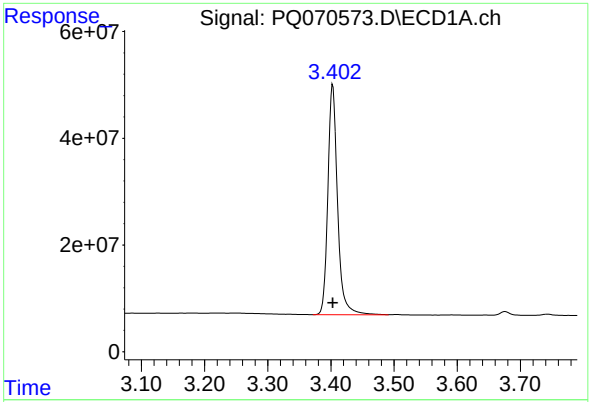
Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:23:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:22:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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



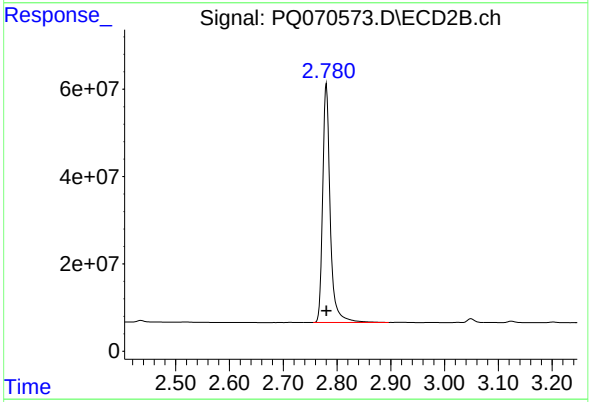




#1 Tetrachloro-m-xylene

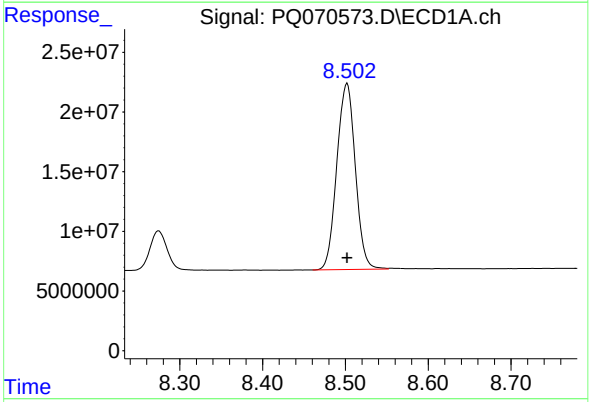
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 460077505
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500



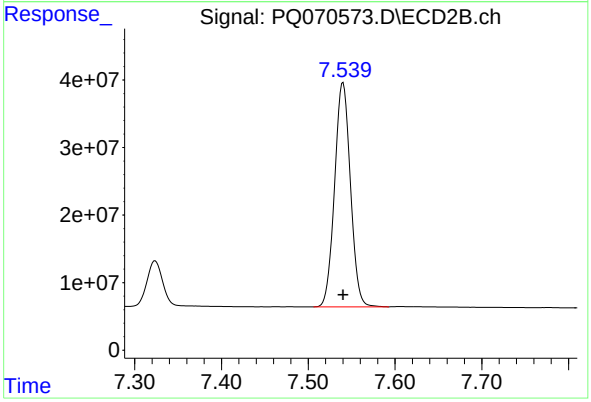
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 531929738
Conc: 50.00 ng/ml



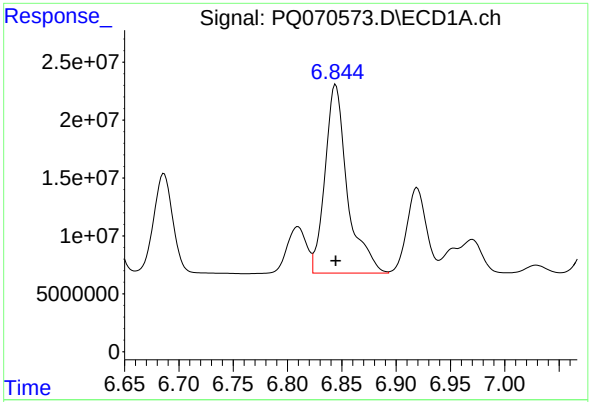
#2 Decachlorobiphenyl

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 242604381
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

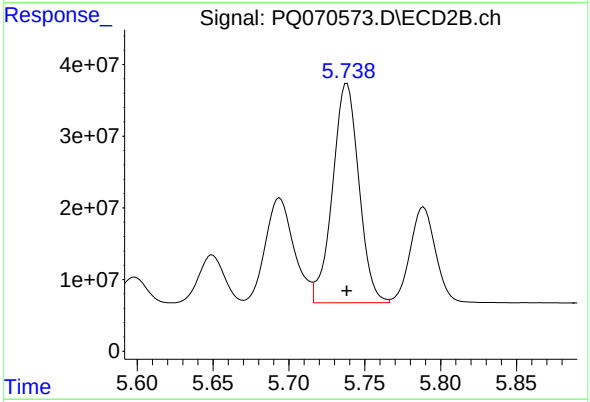
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 421584080
Conc: 50.00 ng/ml



#36 AR-1262-1

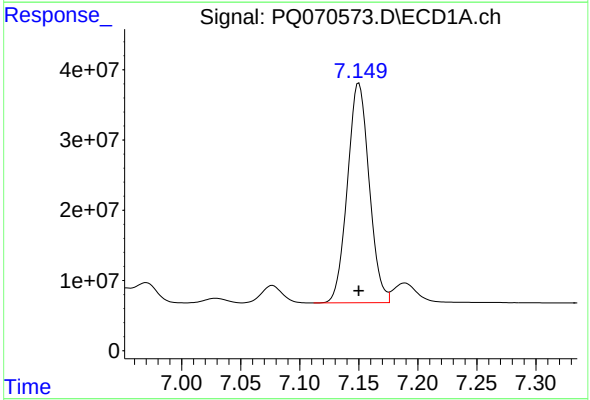
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 233514841
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500



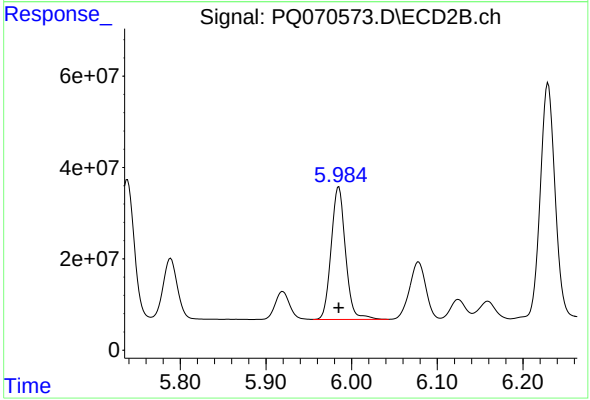
#36 AR-1262-1

R.T.: 5.738 min
Delta R.T.: 0.000 min
Response: 370042448
Conc: 500.00 ng/ml



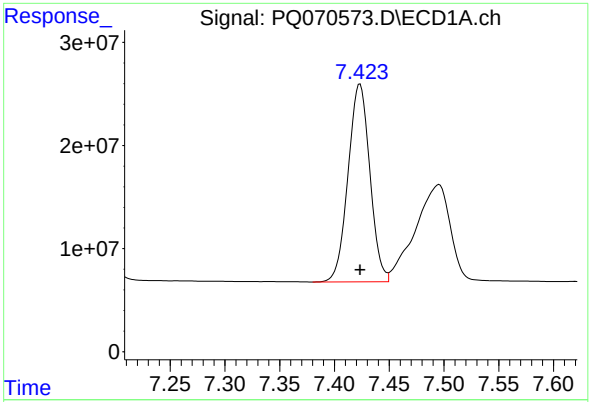
#37 AR-1262-2

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 400928863
Conc: 500.00 ng/ml



#37 AR-1262-2

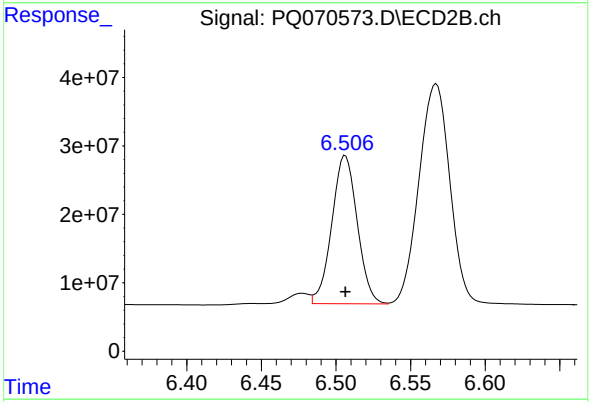
R.T.: 5.985 min
Delta R.T.: 0.000 min
Response: 337541855
Conc: 500.00 ng/ml



#38 AR-1262-3

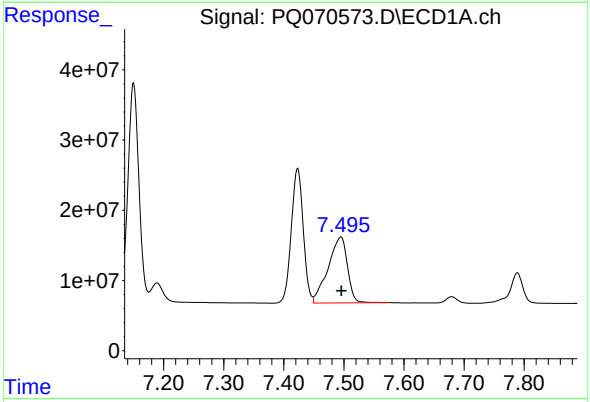
R.T.: 7.423 min
Delta R.T.: 0.000 min
Response: 265512368
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500



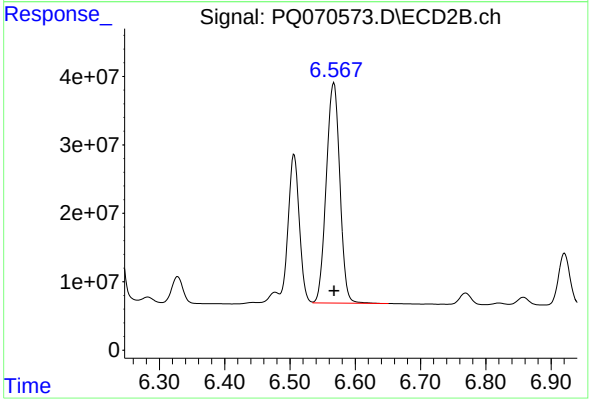
#38 AR-1262-3

R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 257067632
Conc: 500.00 ng/ml



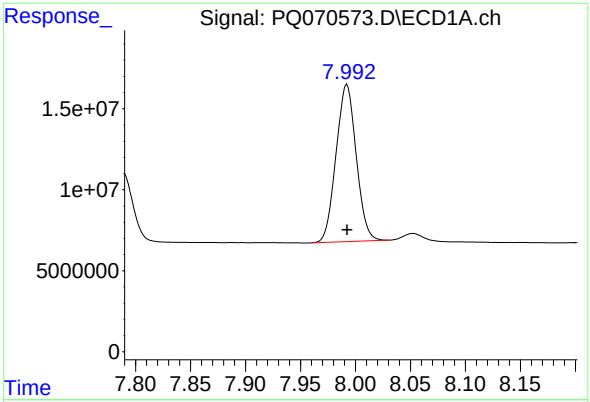
#39 AR-1262-4

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 209947008
Conc: 500.00 ng/ml



#39 AR-1262-4

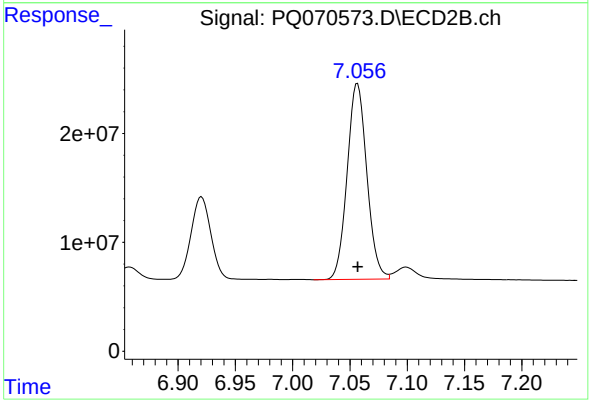
R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 465174462
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 123774413
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 7.057 min
Delta R.T.: 0.000 min
Response: 214968901
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:38:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:38:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	358.0E6	419.2E6	50.000	50.000
2)	SA Decachlor...	8.503	7.540	383.7E6	681.0E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	7.422	6.506	388.7E6	628.6E6	500.000	500.000
42)	L9 AR-1268-2	7.499	6.568	357.5E6	580.8E6	500.000	500.000
43)	L9 AR-1268-3	7.681	6.769	295.1E6	501.8E6	500.000	500.000
44)	L9 AR-1268-4	7.992	7.056	122.9E6	218.6E6	500.000	500.000
45)	L9 AR-1268-5	8.276	7.324	863.4E6	1507.9E6	500.000	500.000

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

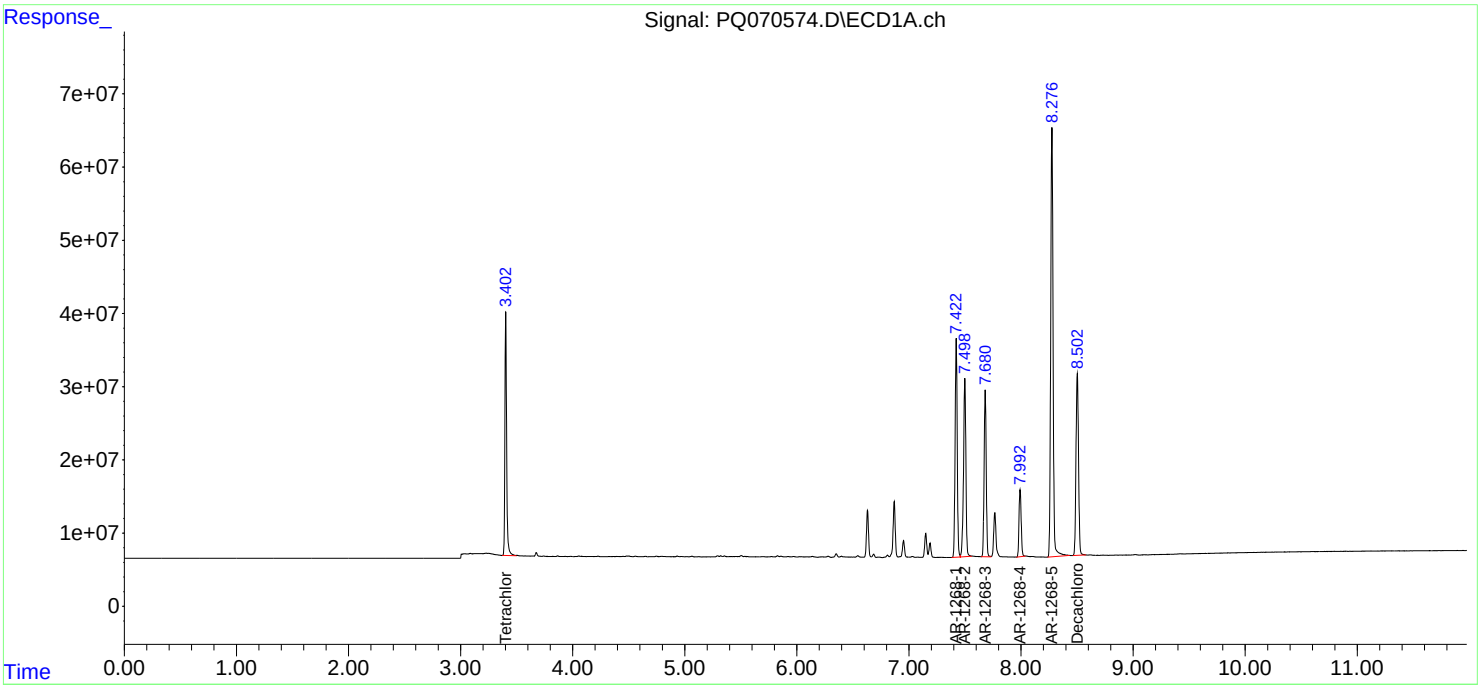
ICAL Form

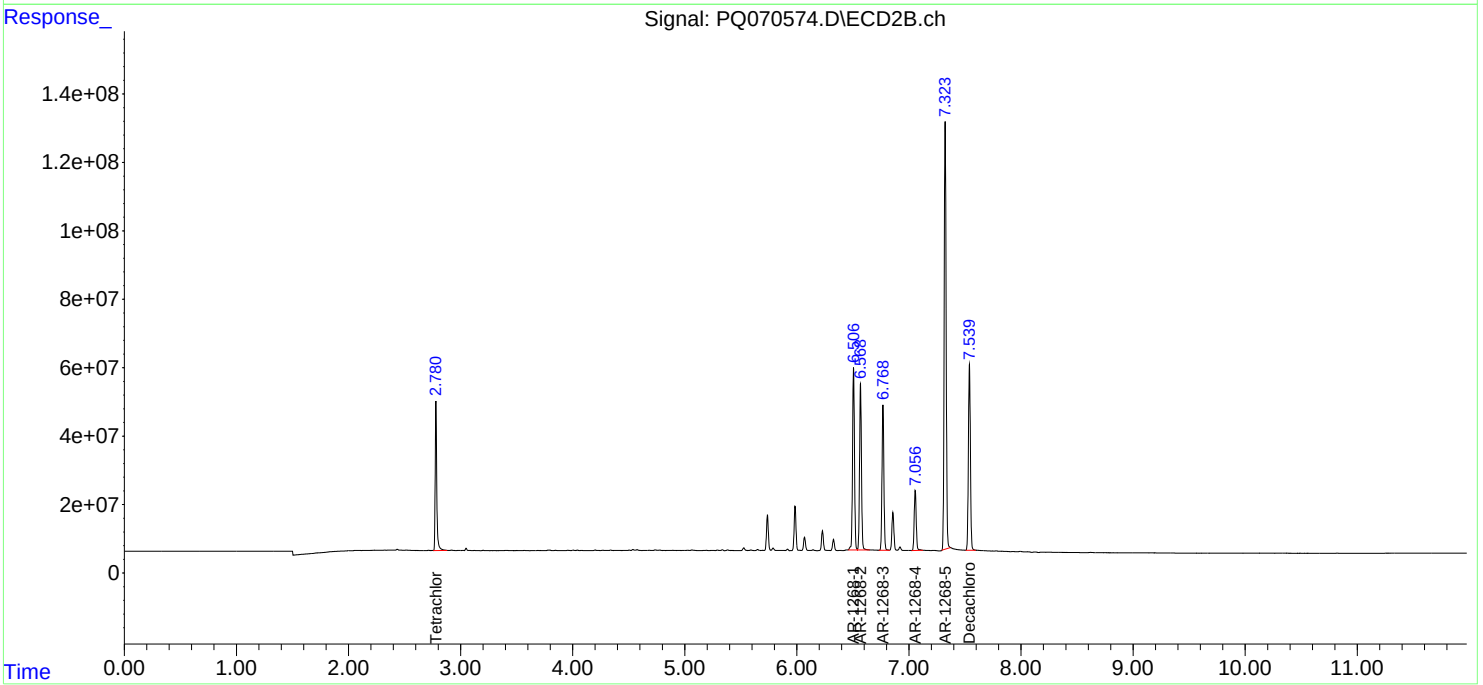
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

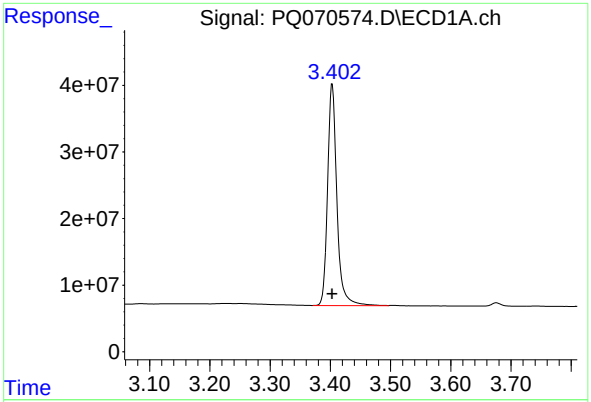
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:38:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:38:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



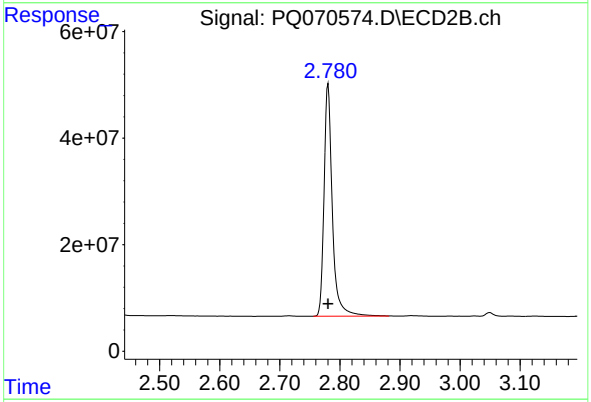




#1 Tetrachloro-m-xylene

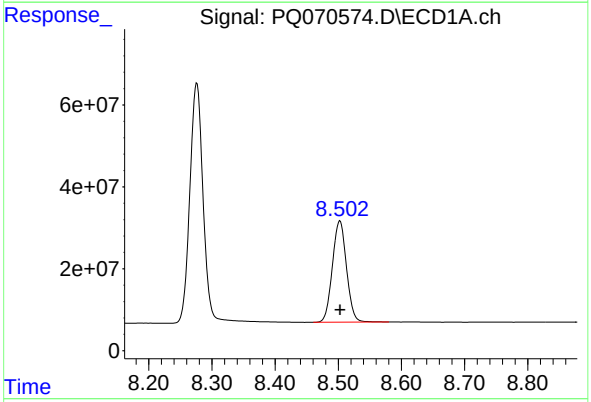
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 357965202
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500



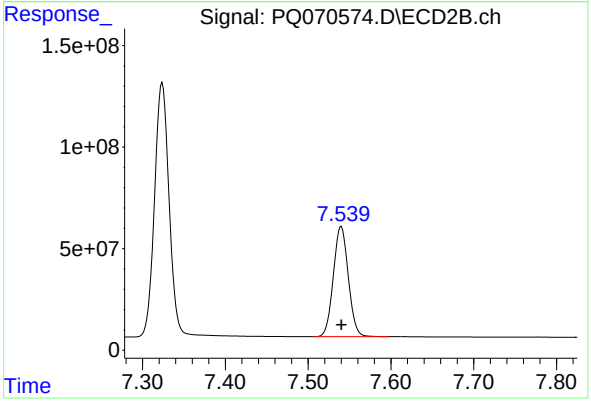
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 419162063
Conc: 50.00 ng/ml



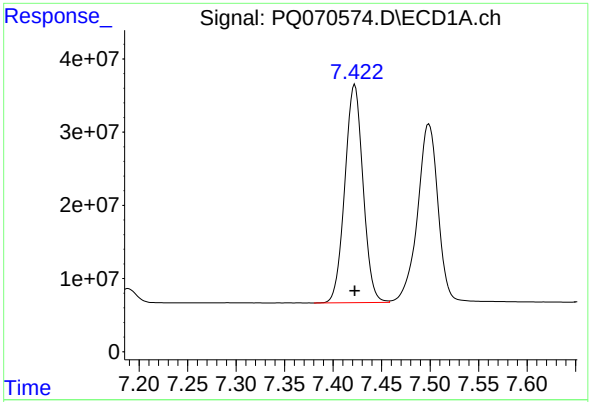
#2 Decachlorobiphenyl

R.T.: 8.503 min
Delta R.T.: 0.000 min
Response: 383704983
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

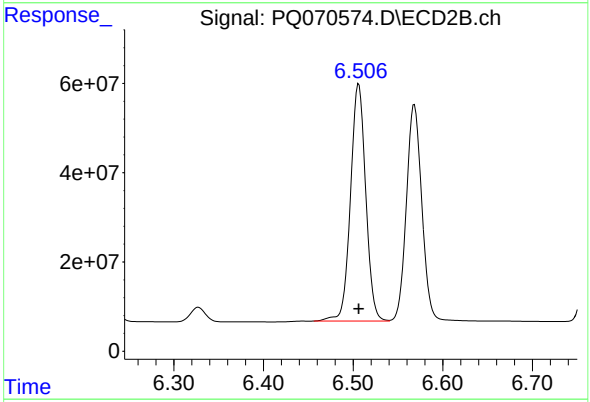
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 681017618
Conc: 50.00 ng/ml



#41 AR-1268-1

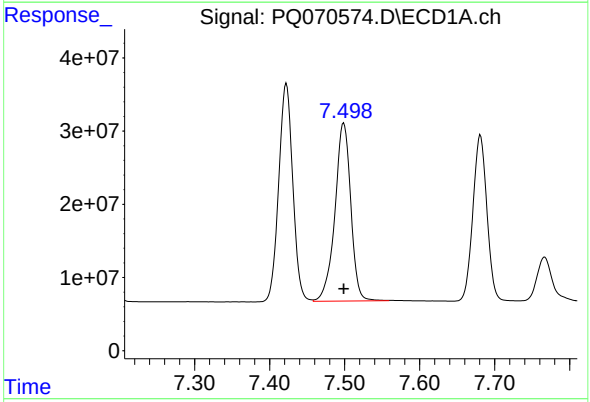
R.T.: 7.422 min
Delta R.T.: 0.000 min
Response: 388724544
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500



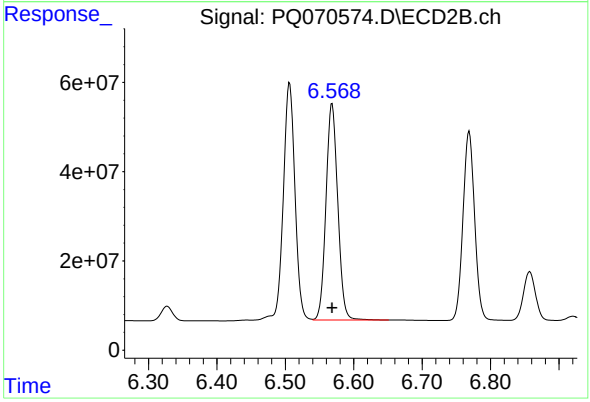
#41 AR-1268-1

R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 628574371
Conc: 500.00 ng/ml



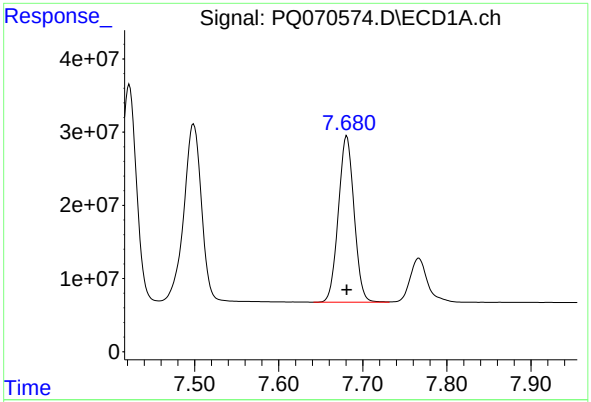
#42 AR-1268-2

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 357488617
Conc: 500.00 ng/ml



#42 AR-1268-2

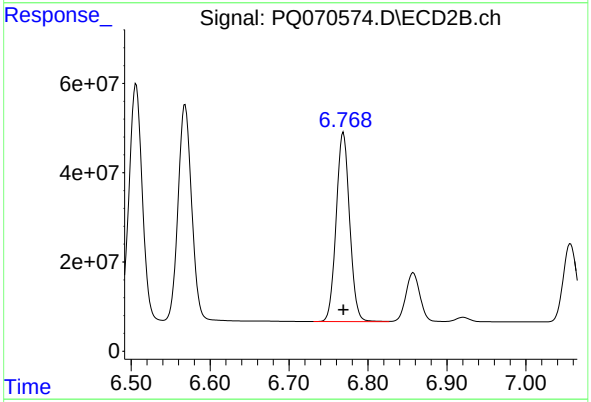
R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 580841546
Conc: 500.00 ng/ml



#43 AR-1268-3

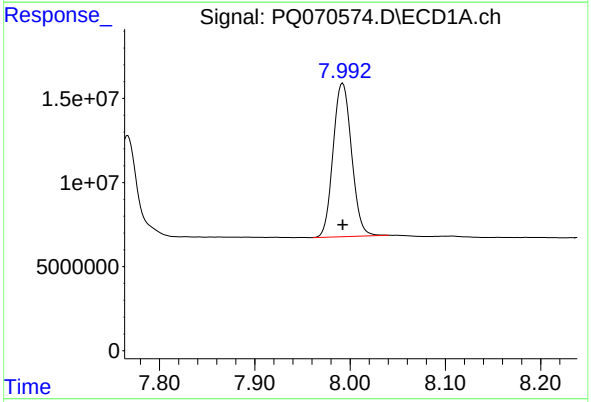
R.T.: 7.681 min
Delta R.T.: 0.000 min
Response: 295135487
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500



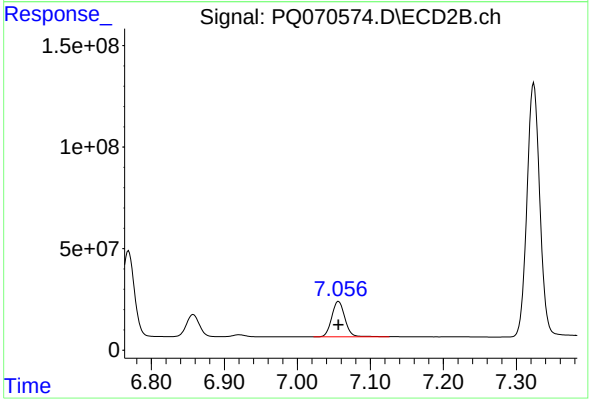
#43 AR-1268-3

R.T.: 6.769 min
Delta R.T.: 0.000 min
Response: 501848501
Conc: 500.00 ng/ml



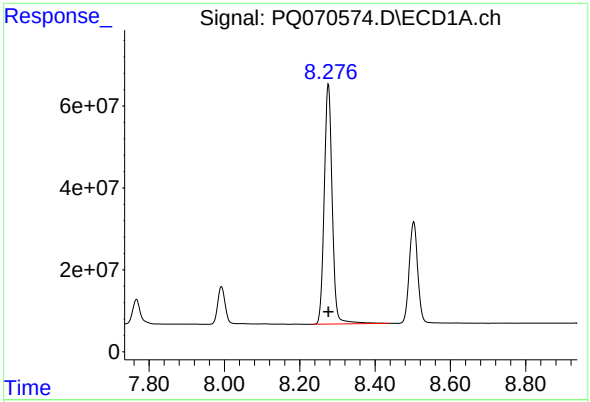
#44 AR-1268-4

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 122866797
Conc: 500.00 ng/ml



#44 AR-1268-4

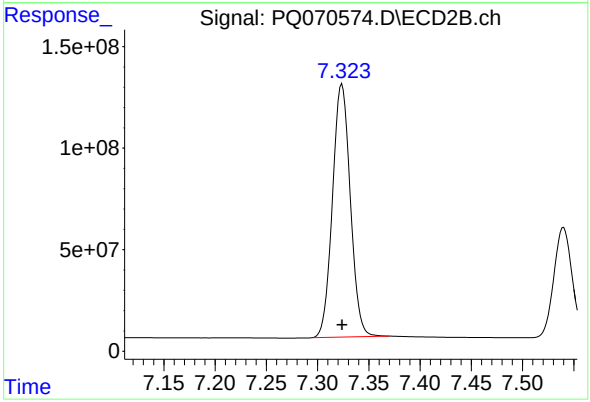
R.T.: 7.056 min
Delta R.T.: 0.000 min
Response: 218634098
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 8.276 min
Delta R.T.: 0.000 min
Response: 863436787
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 7.324 min
Delta R.T.: 0.000 min
Response: 1507880127
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:05
Operator : YP\AJ
Sample : PQ072225ICV500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 10:19:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	444.0E6	495.3E6	50.545	49.639
2)	SA Decachlor...	8.500	7.539	229.4E6	406.3E6	46.784	46.510
	Target Compounds						
3)	L1 AR-1016-1	4.483	3.781	134.4E6	157.9E6	485.528	472.946
4)	L1 AR-1016-2	4.502	3.796	206.8E6	235.7E6	485.854	478.641
5)	L1 AR-1016-3	4.560	3.957	128.7E6	132.0E6	485.459	480.007
6)	L1 AR-1016-4	4.649	4.005	105.3E6	114.9E6	486.314	476.431
7)	L1 AR-1016-5	4.933	4.200	102.8E6	136.7E6	480.752	485.473
31)	L7 AR-1260-1	6.023	5.193	172.4E6	239.3E6	474.253	468.966
32)	L7 AR-1260-2	6.279	5.383	200.0E6	279.2E6	470.169	463.398
33)	L7 AR-1260-3	6.630	5.524	149.4E6	268.3E6	466.722	465.294
34)	L7 AR-1260-4	6.844	5.984	162.2E6	221.3E6	467.830	465.309
35)	L7 AR-1260-5	7.149	6.229	314.8E6	520.2E6	468.528	476.361

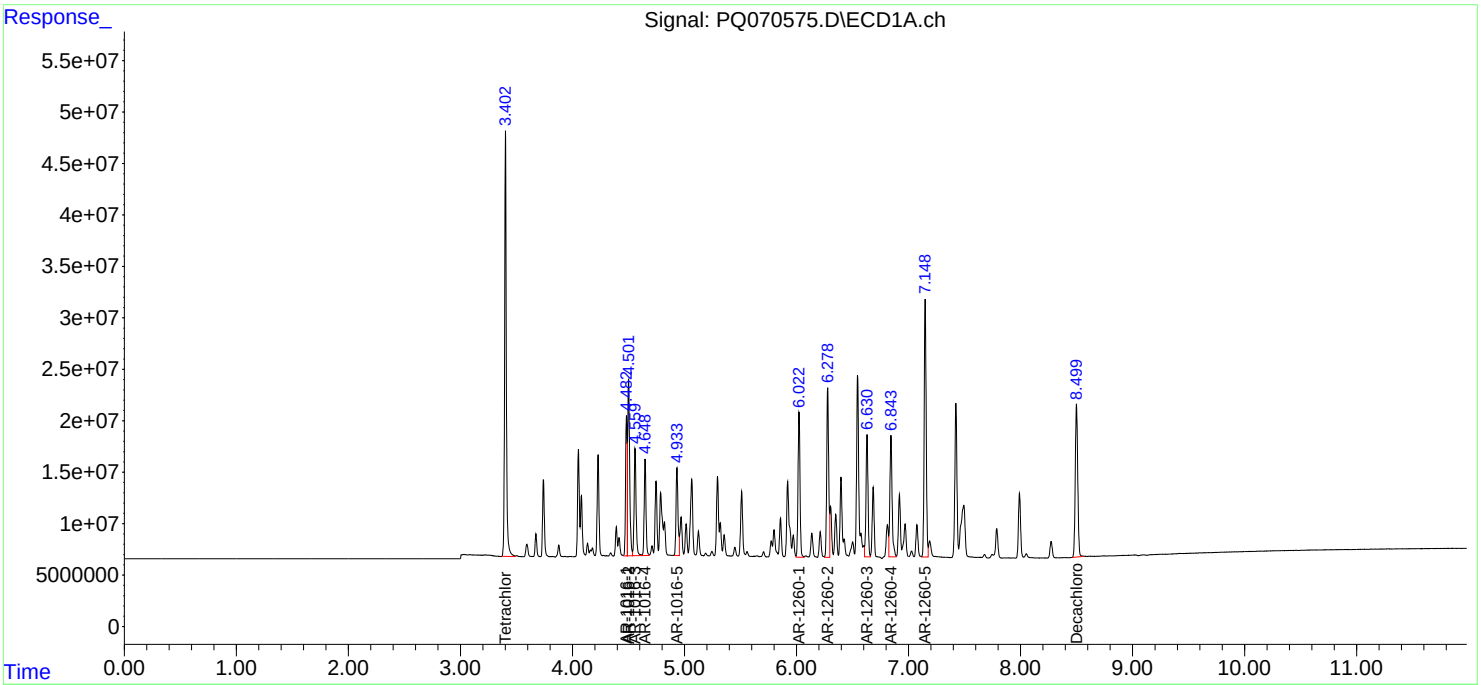
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

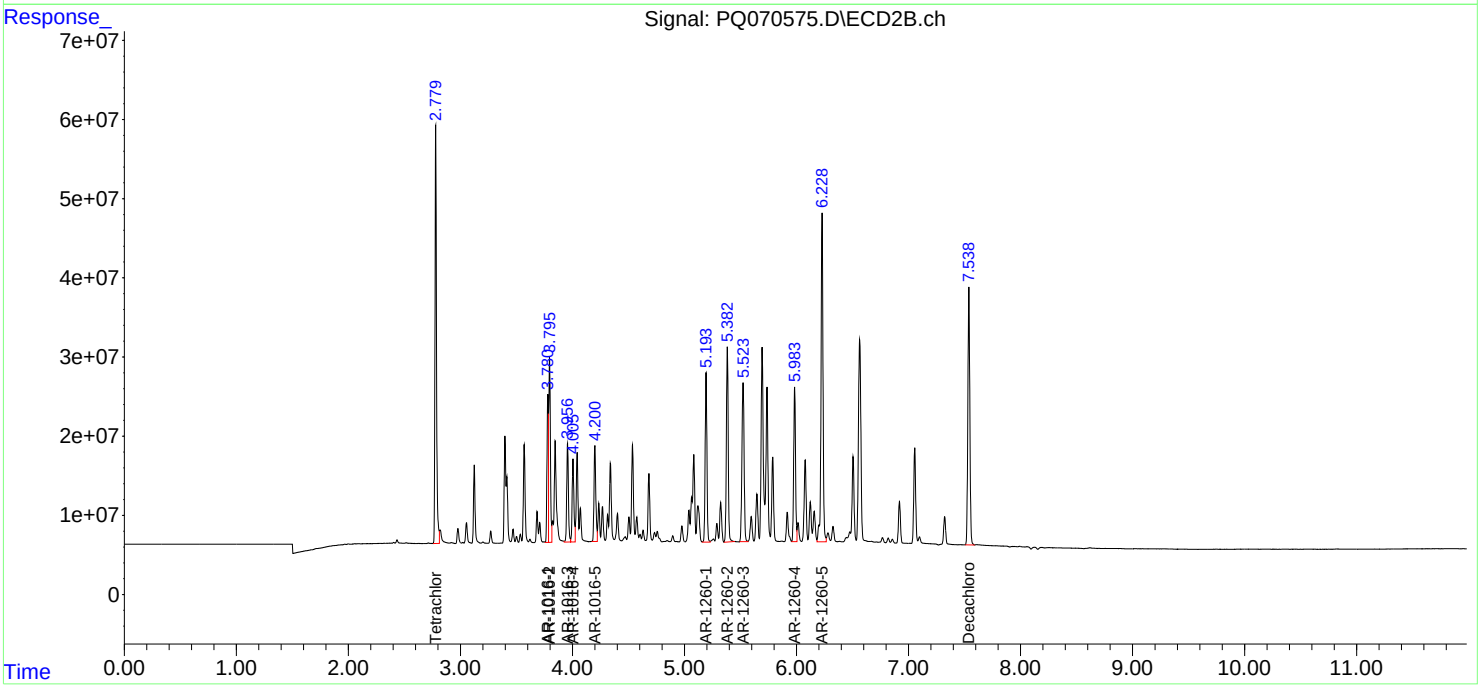
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:05
Operator : YP\AJ
Sample : PQ072225ICV500
Misc :
ALS Vial : 5 Sample Multiplier: 1

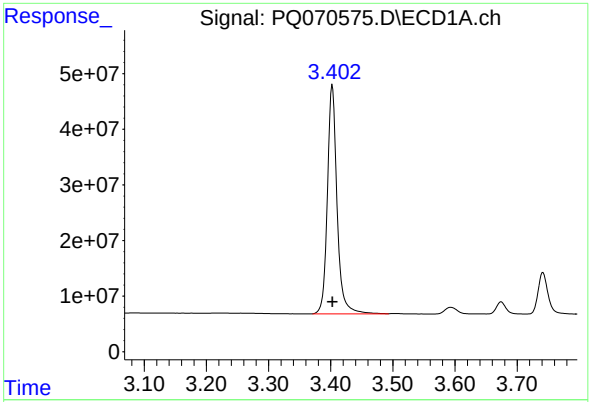
Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 10:19:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



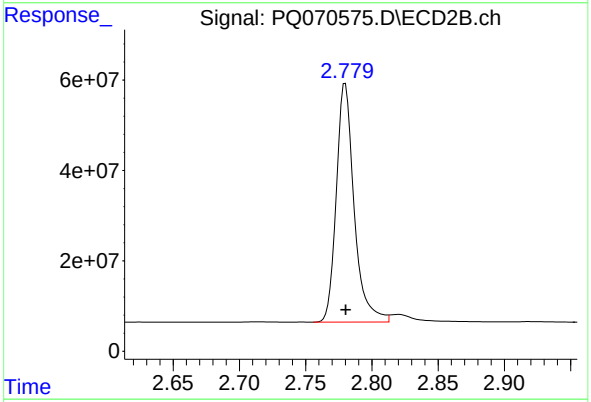




#1 Tetrachloro-m-xylene

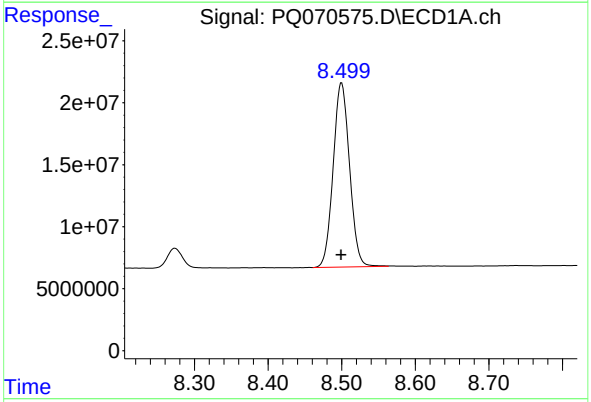
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 444002996
Conc: 50.54 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225



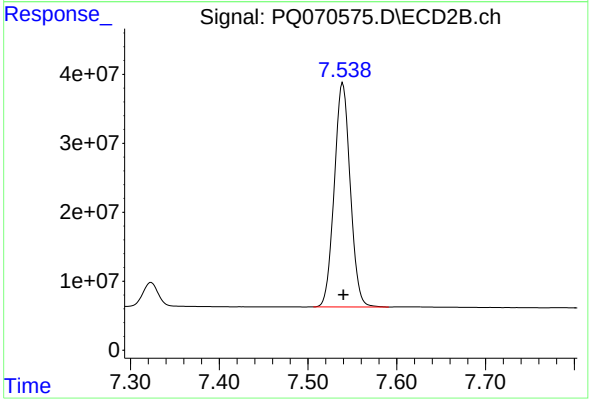
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 495337781
Conc: 49.64 ng/ml



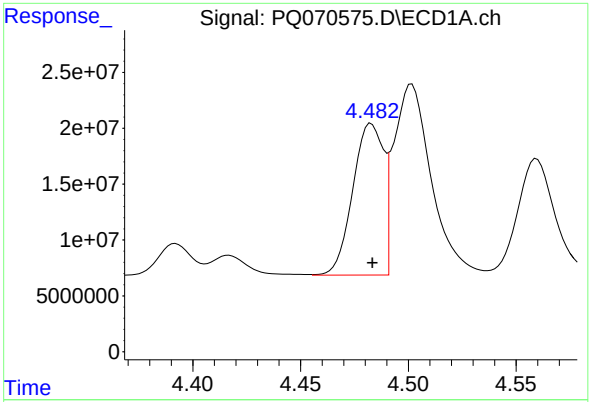
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 229411692
Conc: 46.78 ng/ml



#2 Decachlorobiphenyl

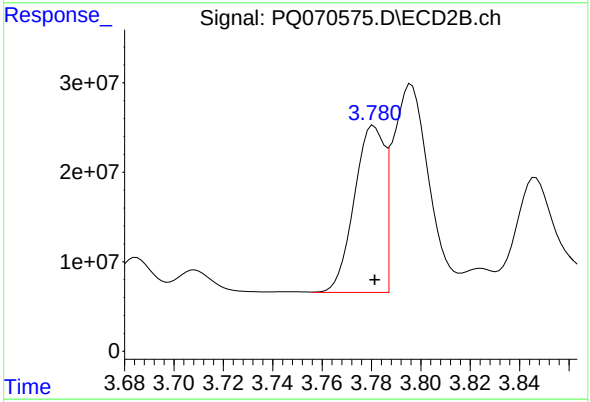
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 406325094
Conc: 46.51 ng/ml



#3 AR-1016-1

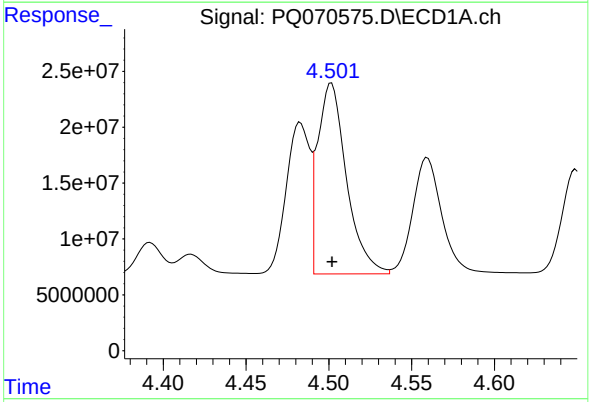
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 134351234
Conc: 485.53 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225



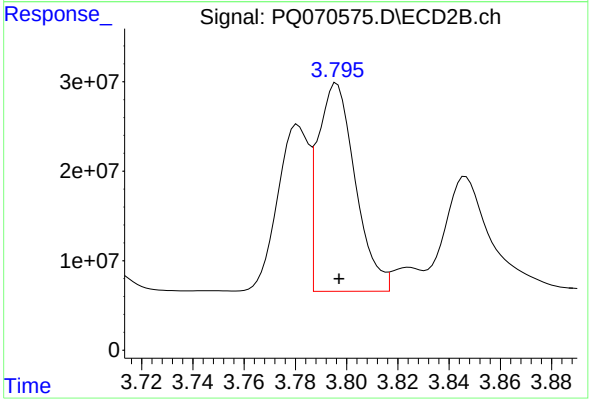
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 157893087
Conc: 472.95 ng/ml



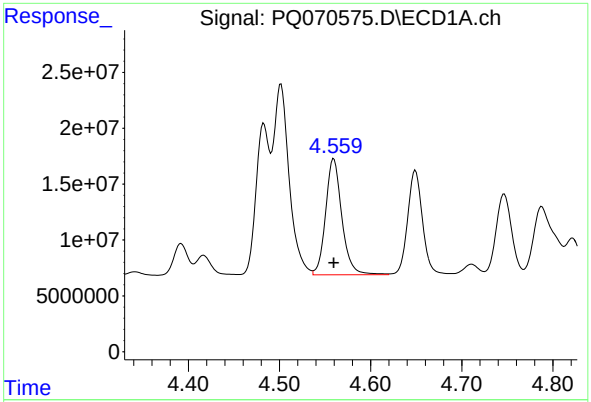
#4 AR-1016-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 206807081
Conc: 485.85 ng/ml



#4 AR-1016-2

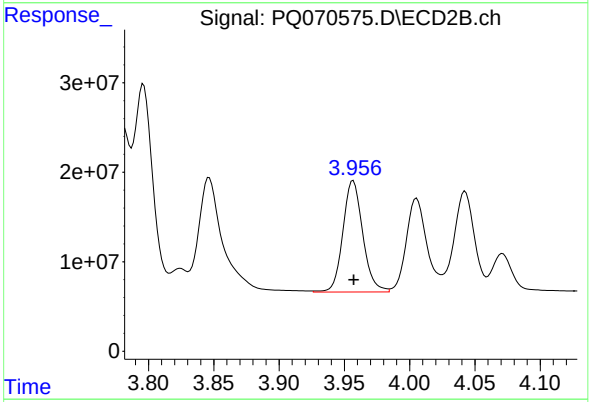
R.T.: 3.796 min
Delta R.T.: 0.000 min
Response: 235742419
Conc: 478.64 ng/ml



#5 AR-1016-3

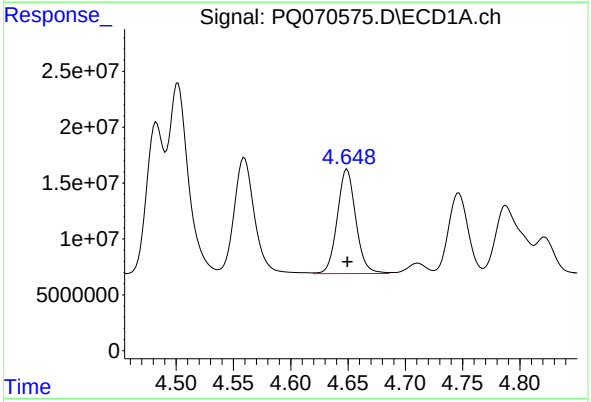
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 128687305
Conc: 485.46 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225



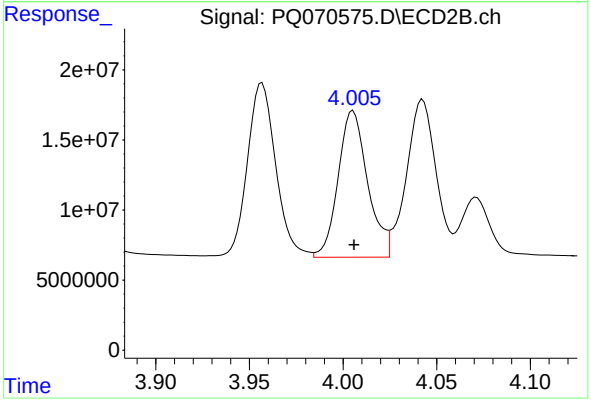
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 132016940
Conc: 480.01 ng/ml



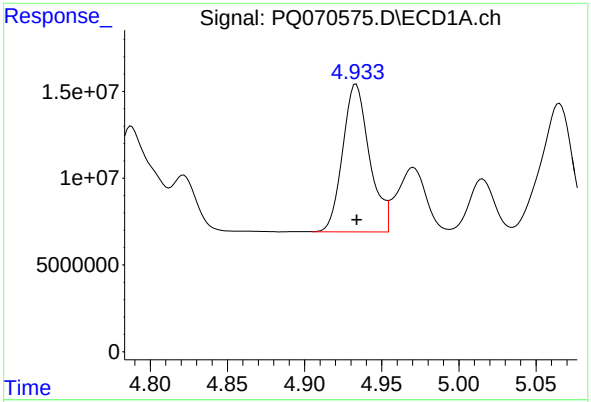
#6 AR-1016-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 105267095
Conc: 486.31 ng/ml



#6 AR-1016-4

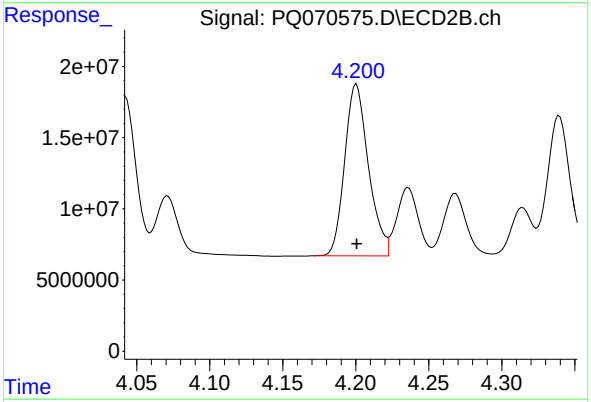
R.T.: 4.005 min
Delta R.T.: 0.000 min
Response: 114866759
Conc: 476.43 ng/ml



#7 AR-1016-5

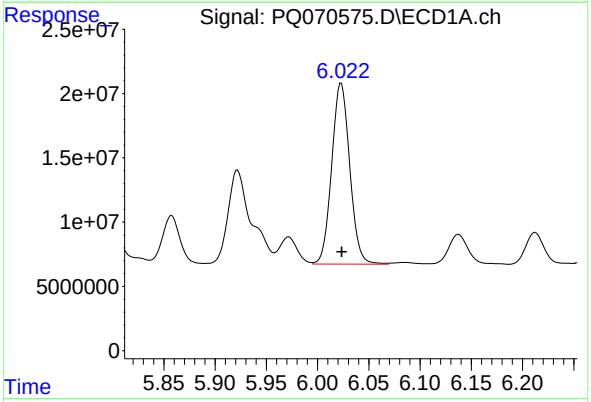
R.T.: 4.933 min
Delta R.T.: 0.000 min
Response: 102830000
Conc: 480.75 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225



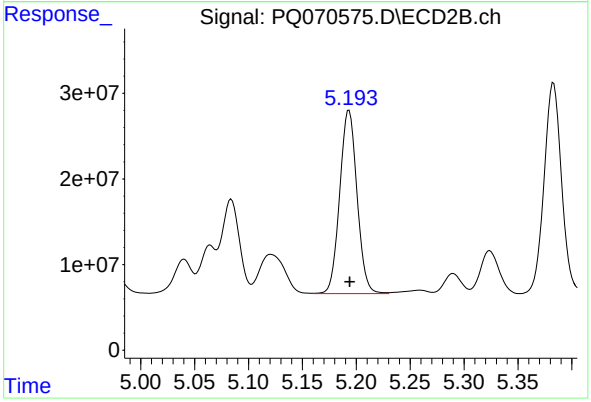
#7 AR-1016-5

R.T.: 4.200 min
Delta R.T.: 0.000 min
Response: 136725118
Conc: 485.47 ng/ml



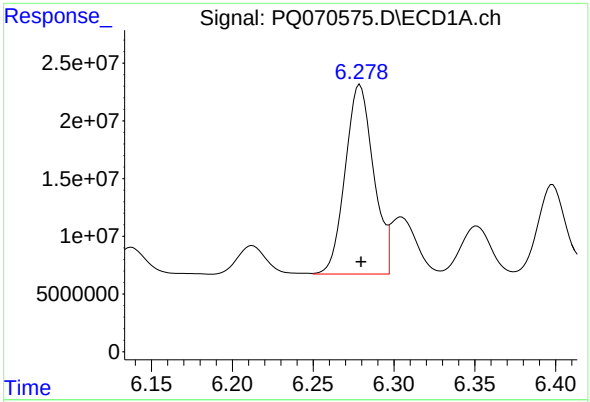
#31 AR-1260-1

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 172446034
Conc: 474.25 ng/ml



#31 AR-1260-1

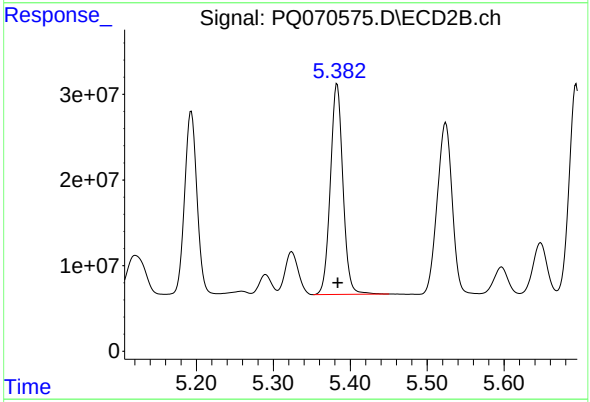
R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 239269380
Conc: 468.97 ng/ml



#32 AR-1260-2

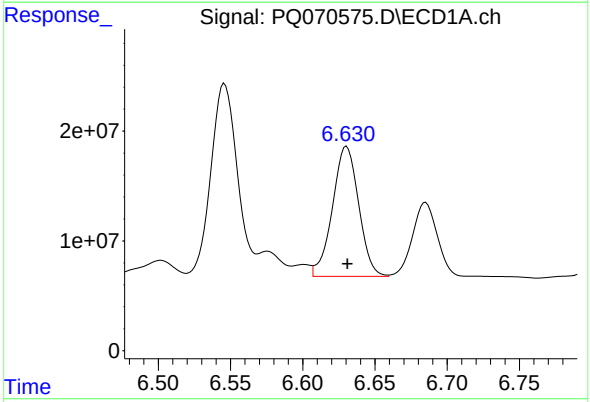
R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 199954918
Conc: 470.17 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225



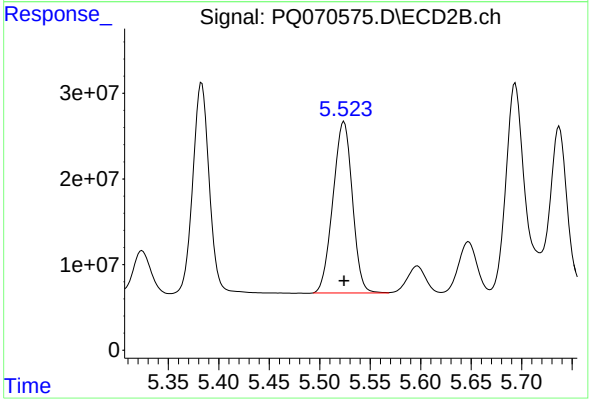
#32 AR-1260-2

R.T.: 5.383 min
Delta R.T.: 0.000 min
Response: 279227660
Conc: 463.40 ng/ml



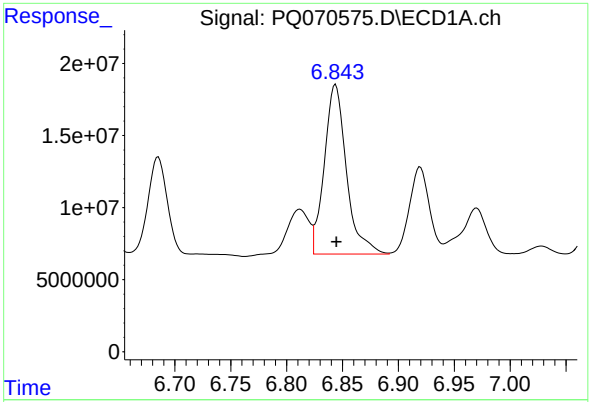
#33 AR-1260-3

R.T.: 6.630 min
Delta R.T.: 0.000 min
Response: 149359785
Conc: 466.72 ng/ml



#33 AR-1260-3

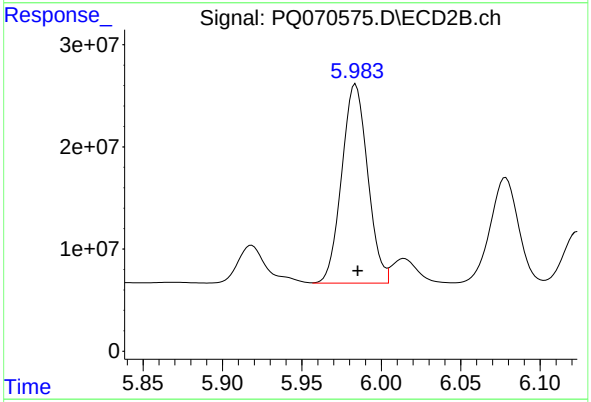
R.T.: 5.524 min
Delta R.T.: 0.000 min
Response: 268325800
Conc: 465.29 ng/ml



#34 AR-1260-4

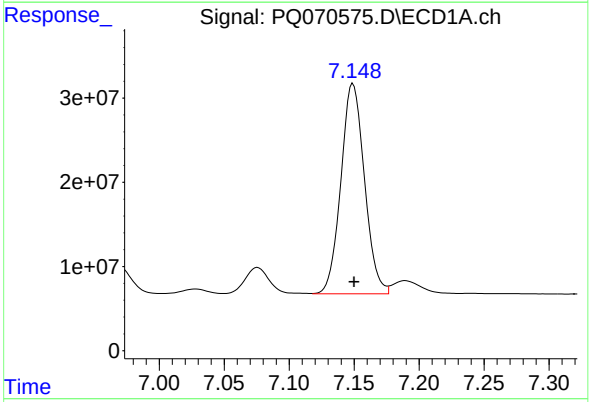
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 162189329
Conc: 467.83 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225



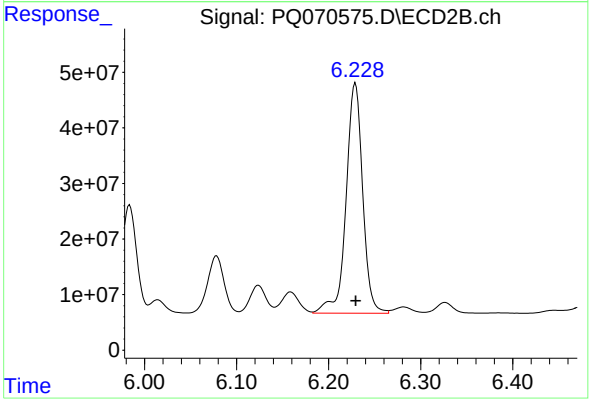
#34 AR-1260-4

R.T.: 5.984 min
Delta R.T.: -0.001 min
Response: 221281353
Conc: 465.31 ng/ml



#35 AR-1260-5

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 314826249
Conc: 468.53 ng/ml



#35 AR-1260-5

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 520156024
Conc: 476.36 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:36
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:46:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.405	2.780	472.2E6	528.7E6	53.759	52.984
2)	SA Decachlor...	8.503	7.539	249.1E6	435.6E6	50.790	49.857
	Target Compounds						
16)	L4 AR-1242-1	4.486	3.781	127.8E6	150.3E6	552.240	538.370
17)	L4 AR-1242-2	4.504	3.797	196.2E6	220.9E6	552.964	537.060
18)	L4 AR-1242-3	4.562	3.957	123.3E6	124.3E6	561.110	539.460
19)	L4 AR-1242-4	4.652	4.043	101.5E6	116.4E6	562.422	539.181
20)	L4 AR-1242-5	5.357	4.538	98690358	145.1E6	552.425	535.889

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

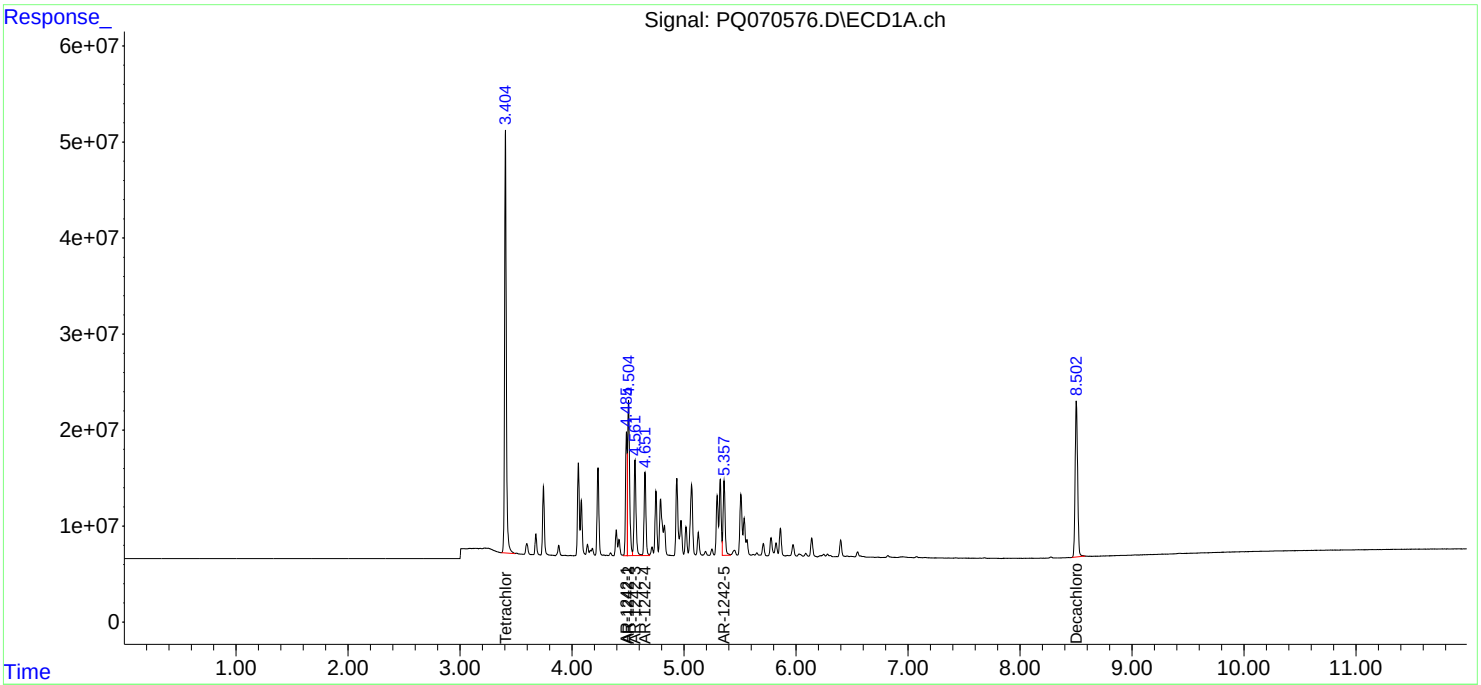
ICAL Form

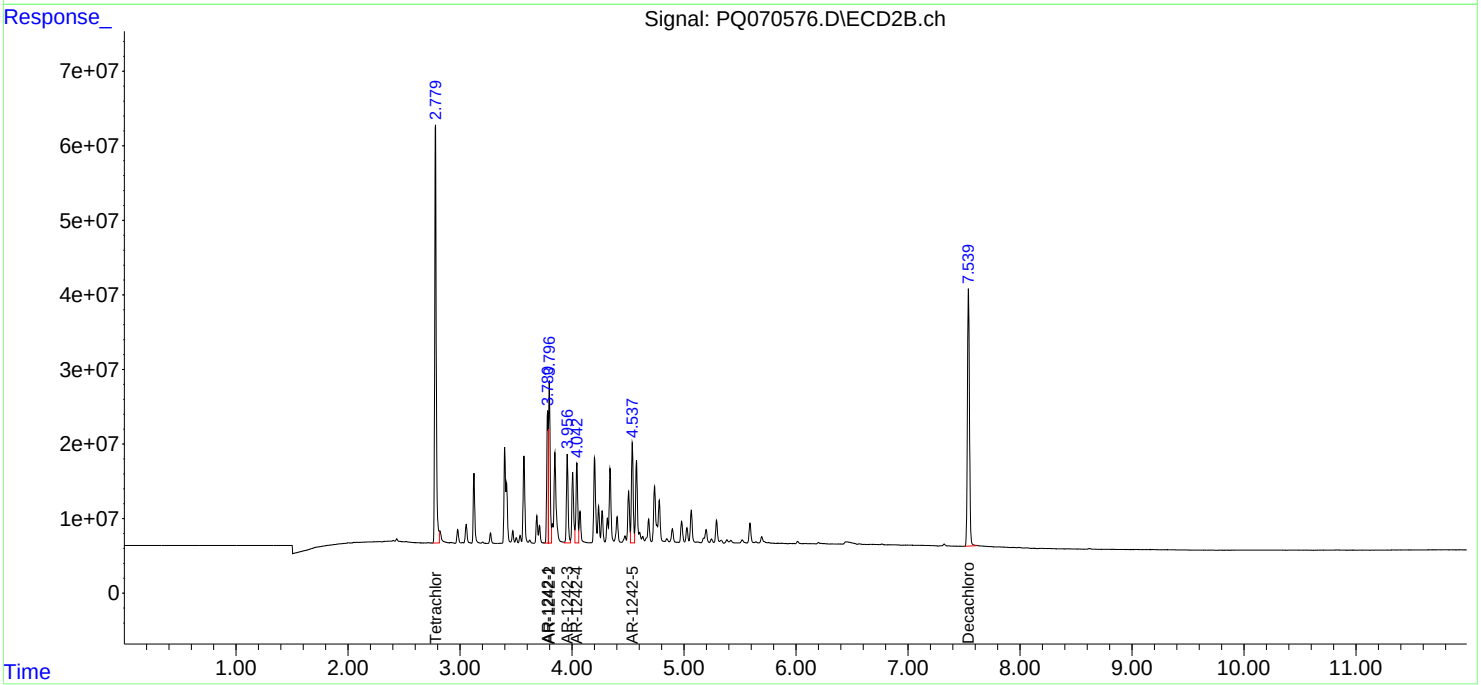
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:36
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

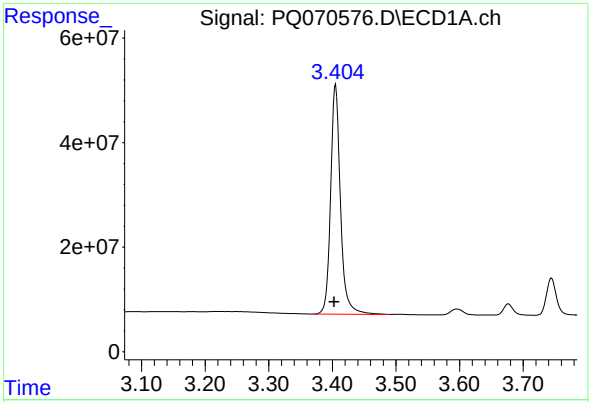
Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:46:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



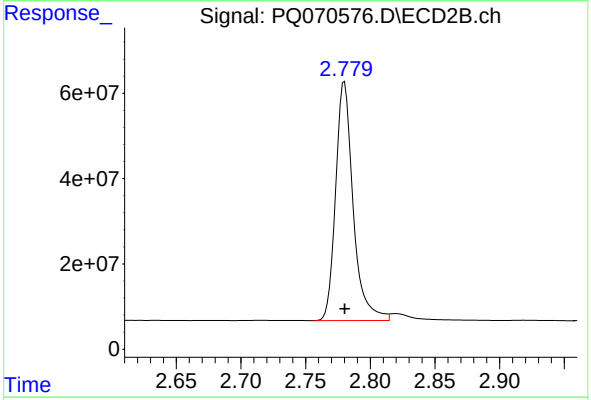




#1 Tetrachloro-m-xylene

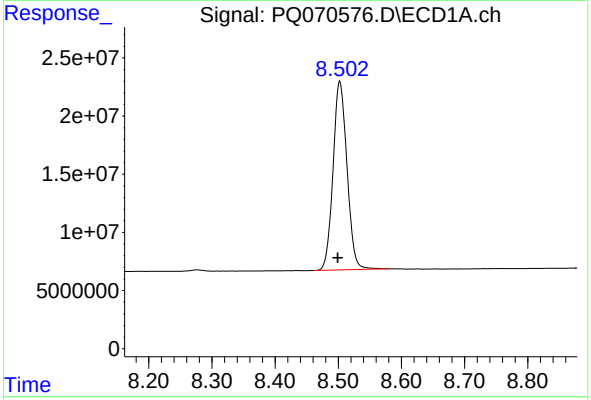
R.T.: 3.405 min
Delta R.T.: 0.002 min
Response: 472242567
Conc: 53.76 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1242



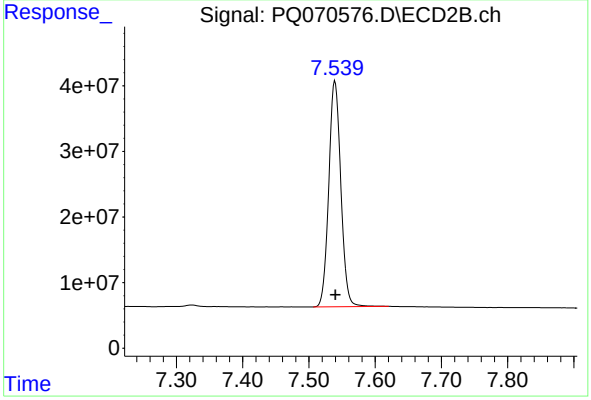
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 528716316
Conc: 52.98 ng/ml



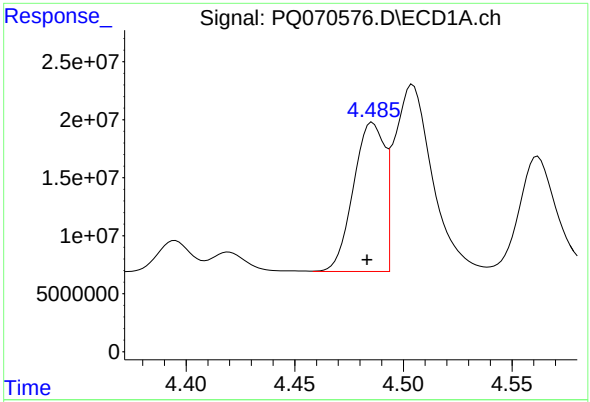
#2 Decachlorobiphenyl

R.T.: 8.503 min
Delta R.T.: 0.003 min
Response: 249054374
Conc: 50.79 ng/ml



#2 Decachlorobiphenyl

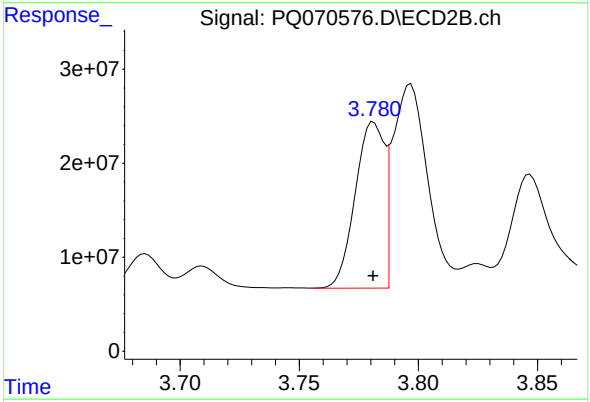
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 435569255
Conc: 49.86 ng/ml



#16 AR-1242-1

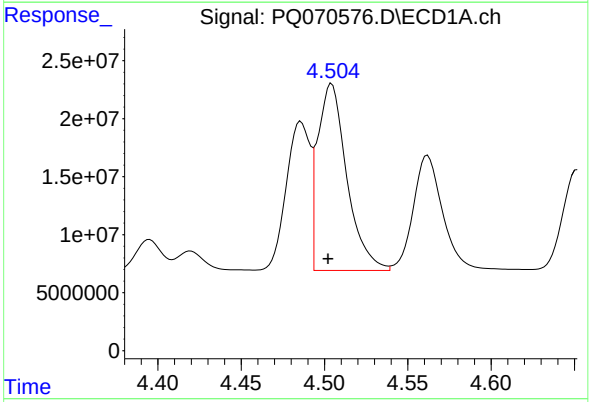
R.T.: 4.486 min
Delta R.T.: 0.003 min
Response: 127760715
Conc: 552.24 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1242



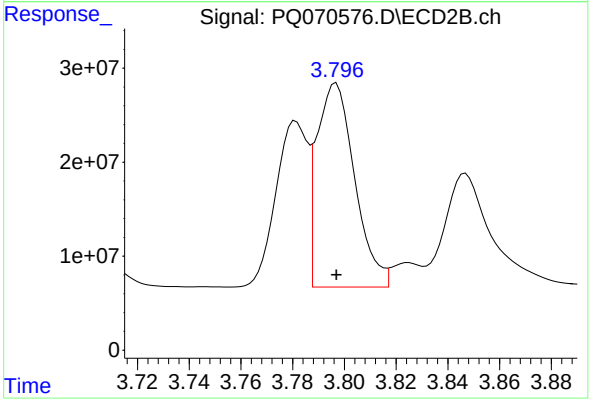
#16 AR-1242-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 150284874
Conc: 538.37 ng/ml



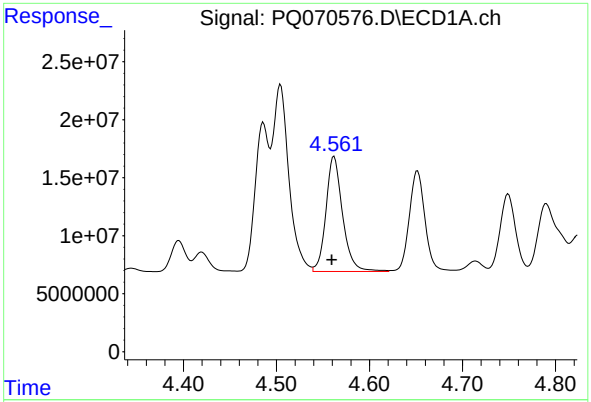
#17 AR-1242-2

R.T.: 4.504 min
Delta R.T.: 0.002 min
Response: 196244593
Conc: 552.96 ng/ml



#17 AR-1242-2

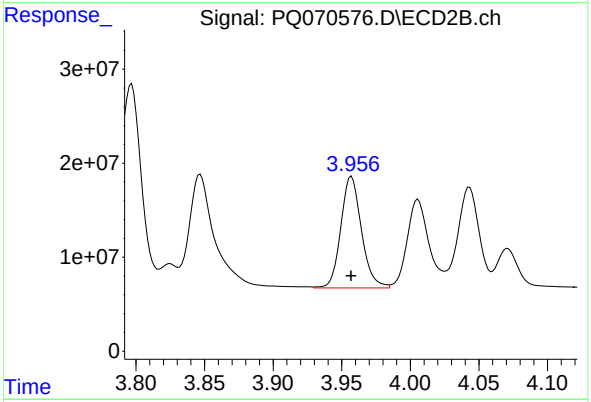
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 220856057
Conc: 537.06 ng/ml



#18 AR-1242-3

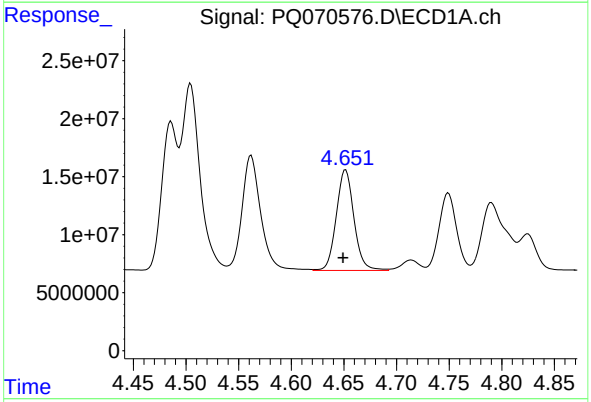
R.T.: 4.562 min
Delta R.T.: 0.002 min
Response: 123253909
Conc: 561.11 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1242



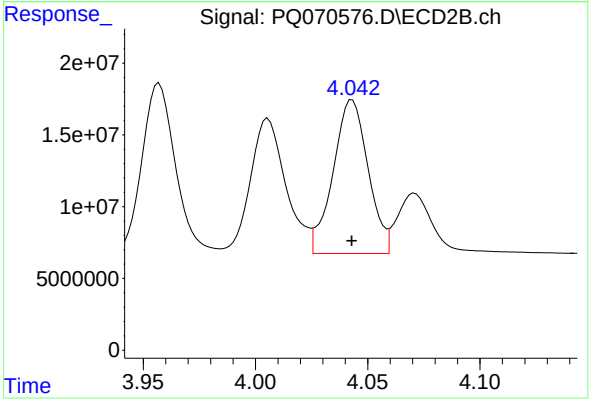
#18 AR-1242-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 124255441
Conc: 539.46 ng/ml



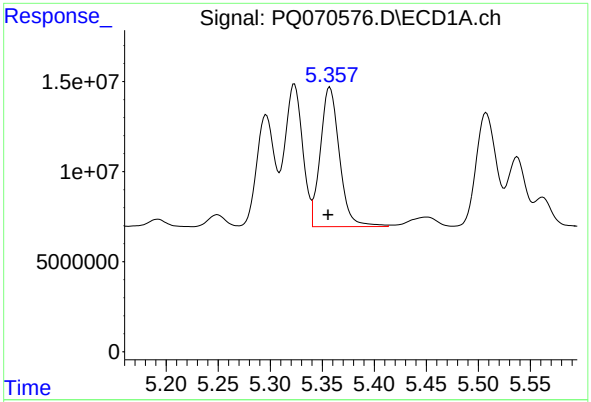
#19 AR-1242-4

R.T.: 4.652 min
Delta R.T.: 0.002 min
Response: 101455373
Conc: 562.42 ng/ml



#19 AR-1242-4

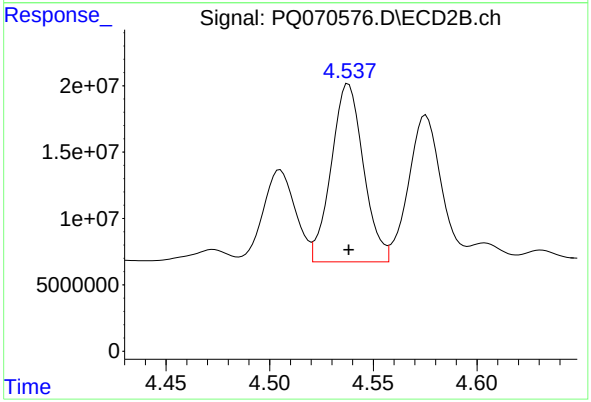
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 116432512
Conc: 539.18 ng/ml



#20 AR-1242-5

R.T.: 5.357 min
Delta R.T.: 0.002 min
Response: 98690358
Conc: 552.43 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1242



#20 AR-1242-5

R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 145101855
Conc: 535.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:52
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:47:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds							
1)	SA	Tetrachlo...	3.407	2.779	404.0E6	467.9E6	45.991	46.885
2)	SA	Decachlor...	8.504	7.540	222.1E6	394.1E6	45.288	45.111
	Target Compounds							
21)	L5	AR-1248-1	4.487	3.780	81175333	97843910	481.623	473.688
22)	L5	AR-1248-2	4.751	4.006	112.5E6	147.5E6	487.593	476.627
23)	L5	AR-1248-3	4.938	4.043	133.2E6	141.5E6	488.863	474.339
24)	L5	AR-1248-4	5.326	4.200	138.0E6	172.6E6	479.564	479.917
25)	L5	AR-1248-5	5.359	4.575	139.9E6	163.5E6	495.070	472.090

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

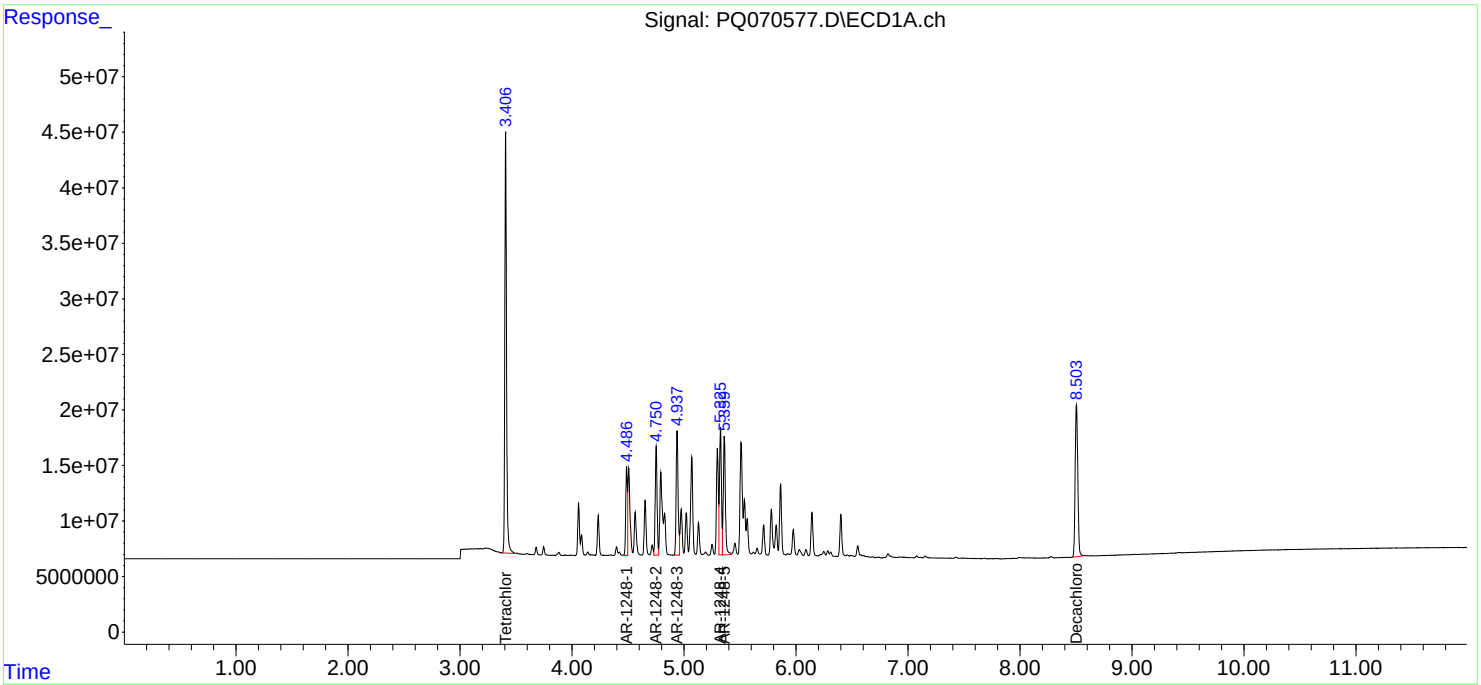
ICAL Form

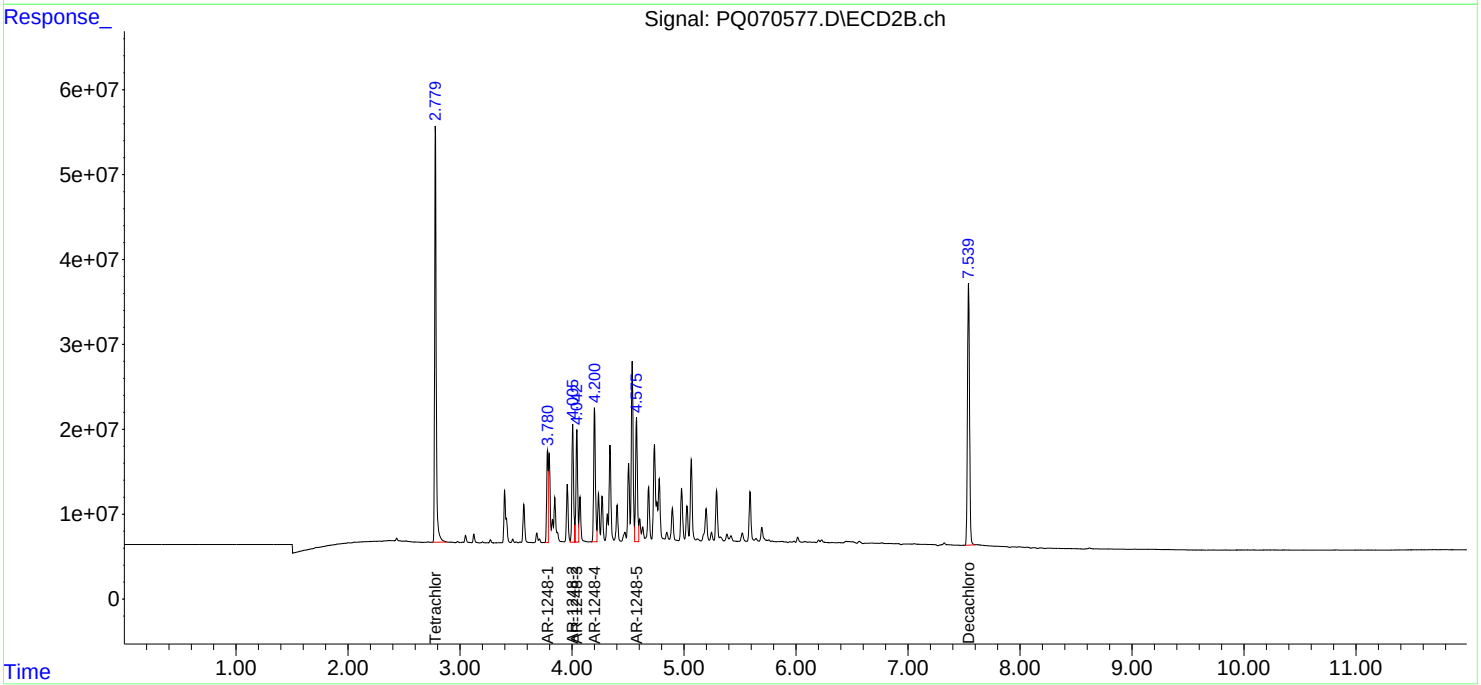
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:52
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

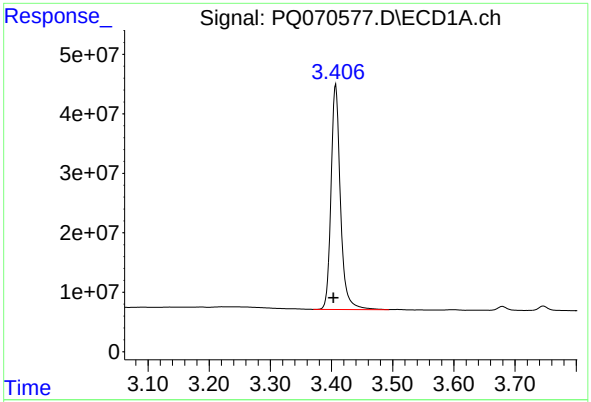
Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:47:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



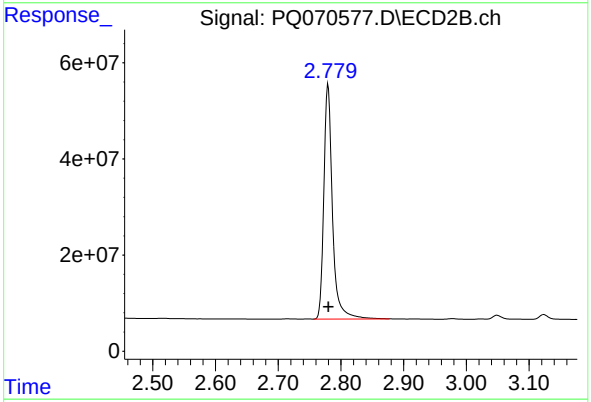




#1 Tetrachloro-m-xylene

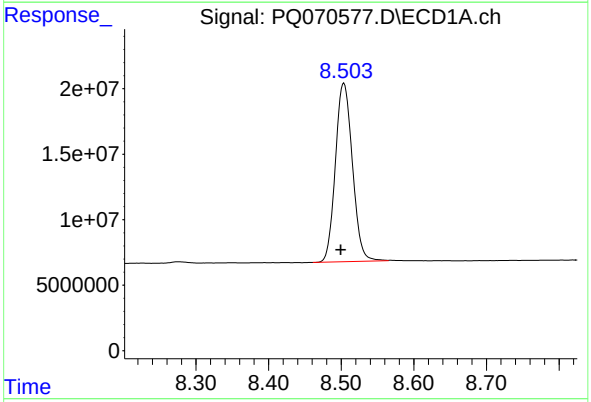
R.T.: 3.407 min
Delta R.T.: 0.004 min
Response: 404001990
Conc: 45.99 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1248



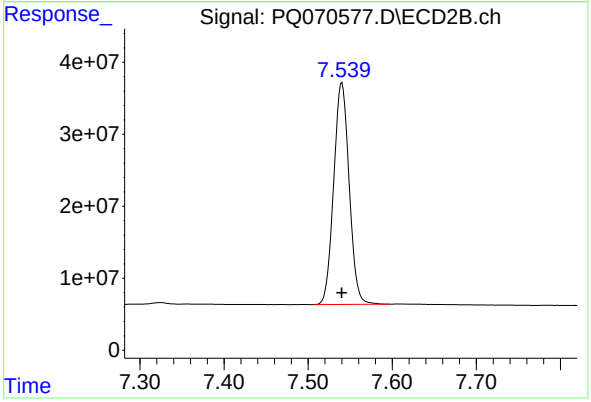
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 467859159
Conc: 46.88 ng/ml



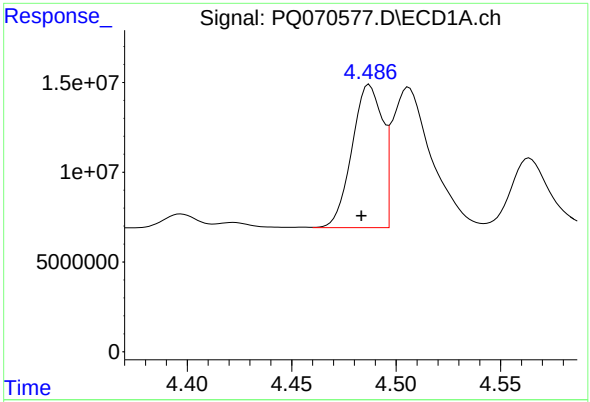
#2 Decachlorobiphenyl

R.T.: 8.504 min
Delta R.T.: 0.004 min
Response: 222074891
Conc: 45.29 ng/ml



#2 Decachlorobiphenyl

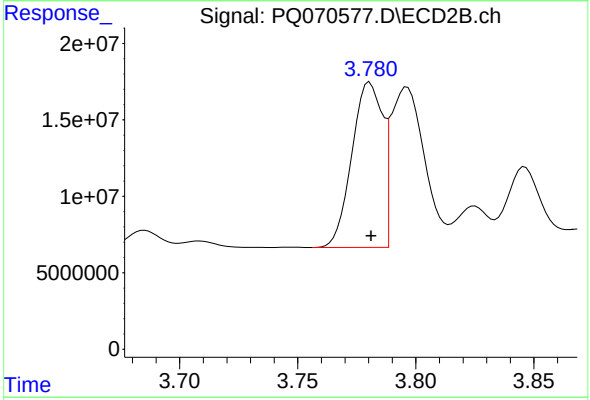
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 394105499
Conc: 45.11 ng/ml



#21 AR-1248-1

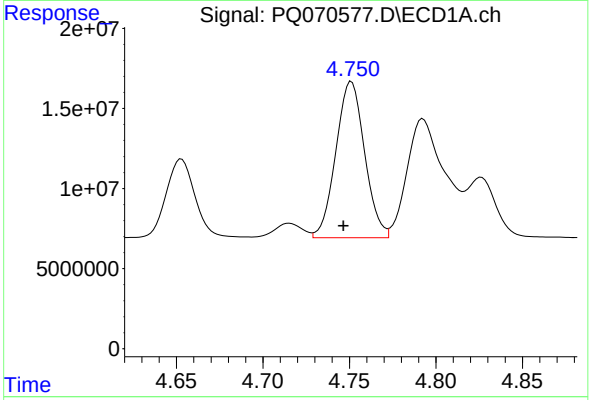
R.T.: 4.487 min
Delta R.T.: 0.004 min
Response: 81175333
Conc: 481.62 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1248



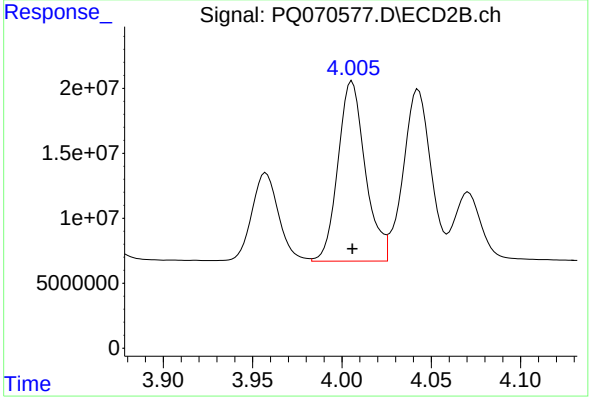
#21 AR-1248-1

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 97843910
Conc: 473.69 ng/ml



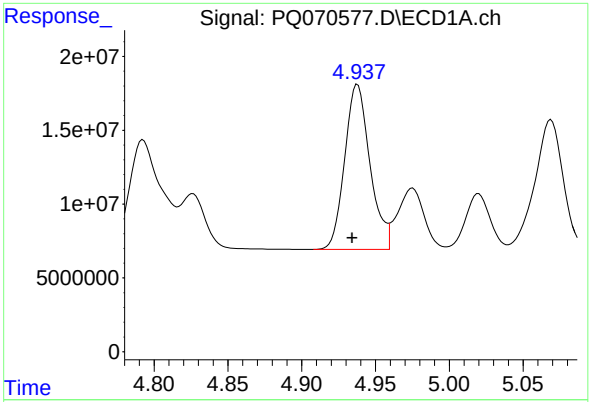
#22 AR-1248-2

R.T.: 4.751 min
Delta R.T.: 0.005 min
Response: 112484077
Conc: 487.59 ng/ml



#22 AR-1248-2

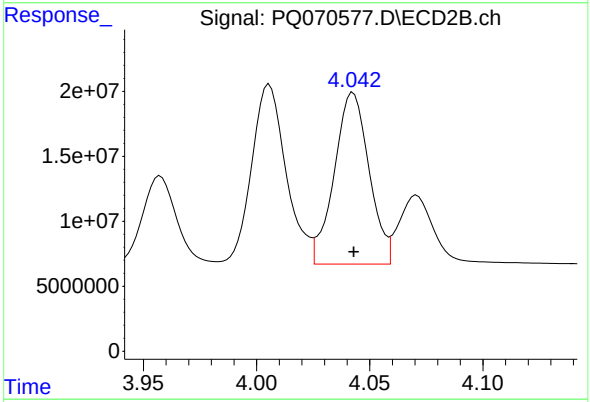
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 147529194
Conc: 476.63 ng/ml



#23 AR-1248-3

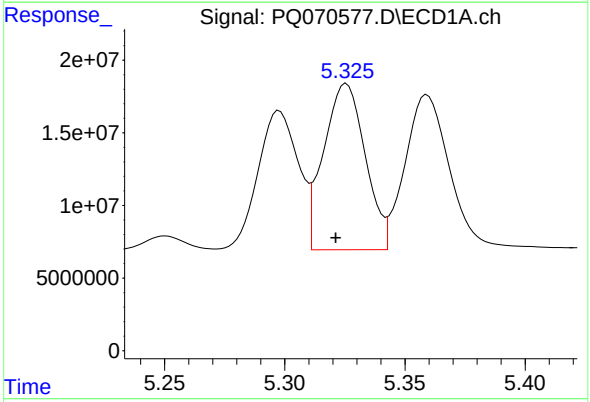
R.T.: 4.938 min
Delta R.T.: 0.004 min
Response: 133205175
Conc: 488.86 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1248



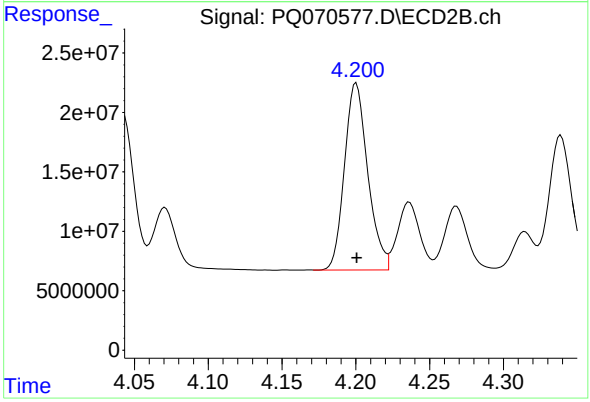
#23 AR-1248-3

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 141534521
Conc: 474.34 ng/ml



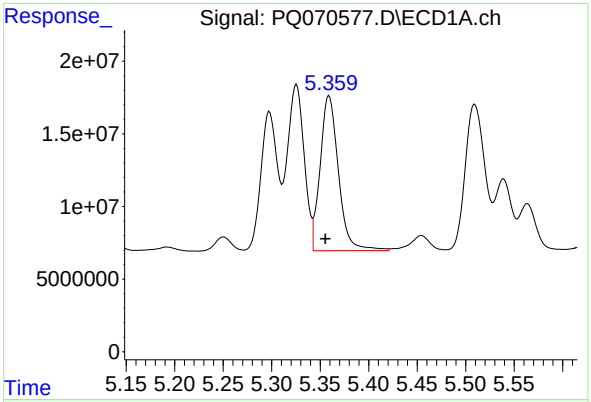
#24 AR-1248-4

R.T.: 5.326 min
Delta R.T.: 0.004 min
Response: 138008341
Conc: 479.56 ng/ml



#24 AR-1248-4

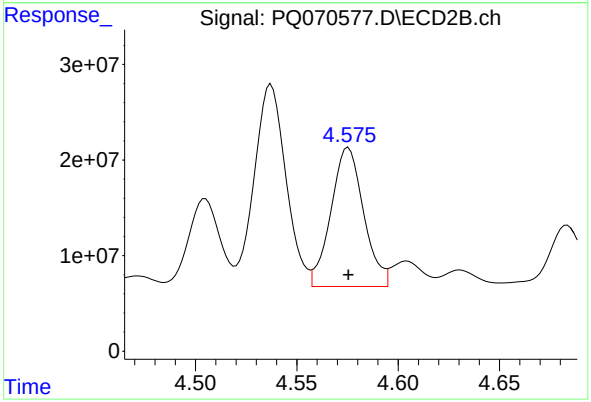
R.T.: 4.200 min
Delta R.T.: 0.000 min
Response: 172643577
Conc: 479.92 ng/ml



#25 AR-1248-5

R.T.: 5.359 min
Delta R.T.: 0.004 min
Response: 139907395
Conc: 495.07 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1248



#25 AR-1248-5

R.T.: 4.575 min
Delta R.T.: 0.000 min
Response: 163503081
Conc: 472.09 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:23
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:47:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.406	2.780	433.0E6	501.4E6	49.294	50.249
2)	SA Decachlor...	8.504	7.540	225.8E6	400.7E6	46.049	45.871
	Target Compounds						
26)	L6 AR-1254-1	5.299	4.537	158.0E6	266.2E6	540.417	529.460
27)	L6 AR-1254-2	5.514	4.684	237.1E6	232.4E6	547.106	536.817
28)	L6 AR-1254-3	5.862	5.065	244.3E6	363.7E6	541.956	532.536
29)	L6 AR-1254-4	6.141	5.290	165.4E6	208.0E6	520.337	515.140
30)	L6 AR-1254-5	6.550	5.695	186.4E6	320.8E6	530.446	527.524

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

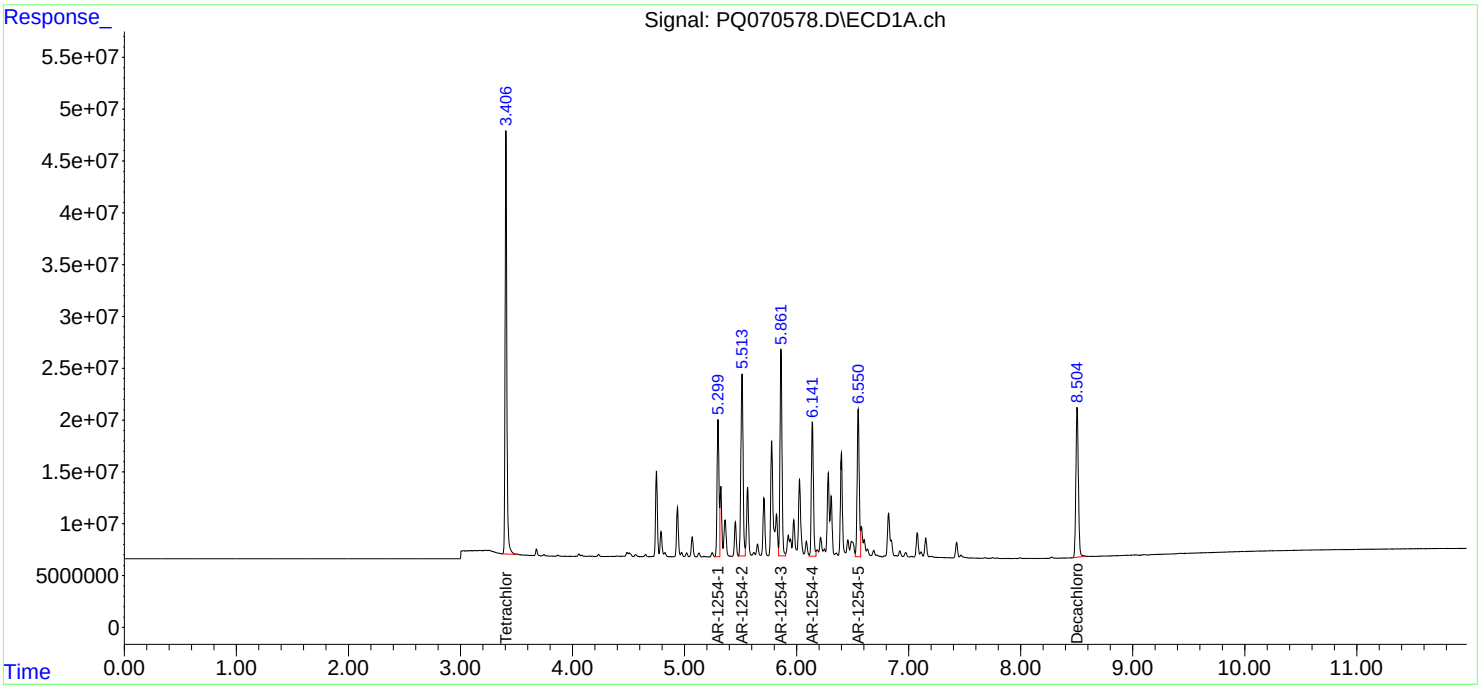
ICAL Form

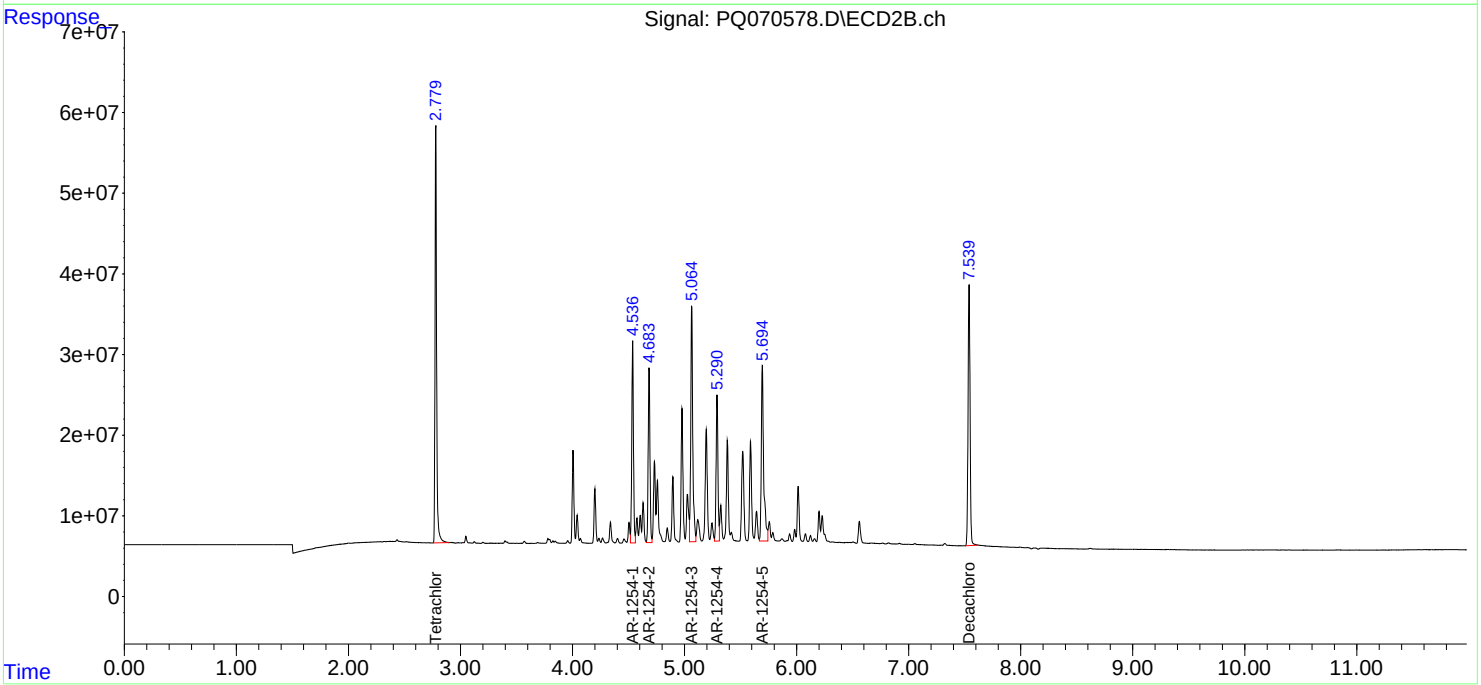
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:23
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

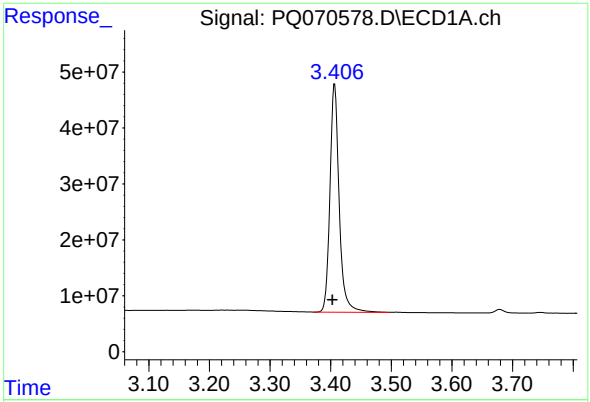
Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:47:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



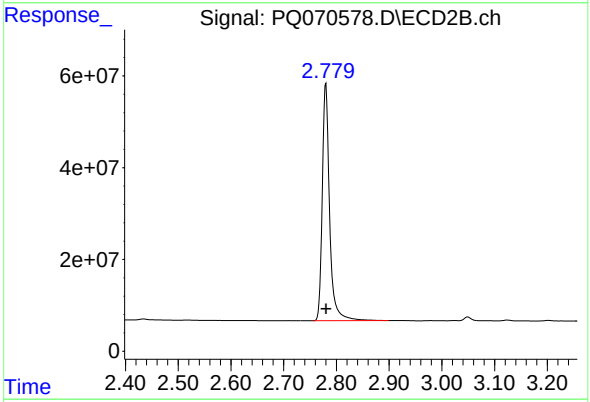




#1 Tetrachloro-m-xylene

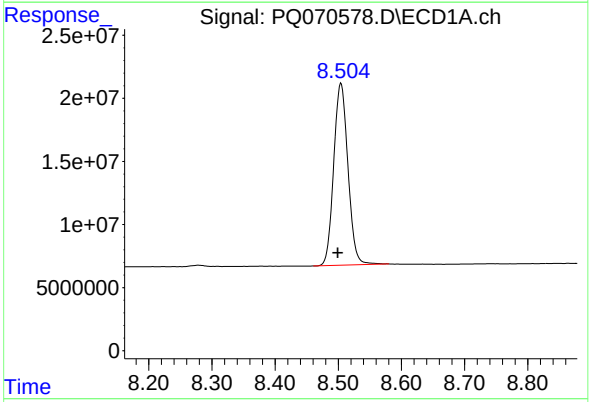
R.T.: 3.406 min
Delta R.T.: 0.003 min
Response: 433016957
Conc: 49.29 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1254



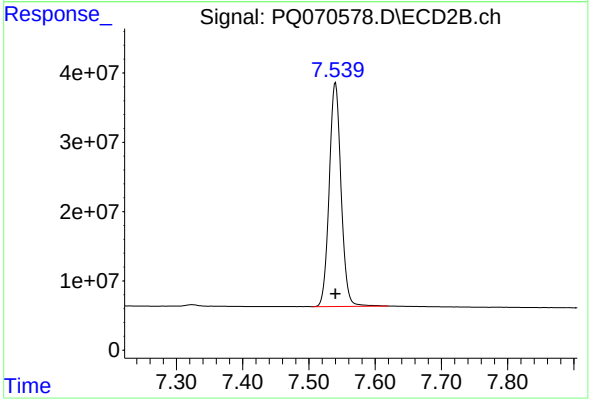
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 501433035
Conc: 50.25 ng/ml



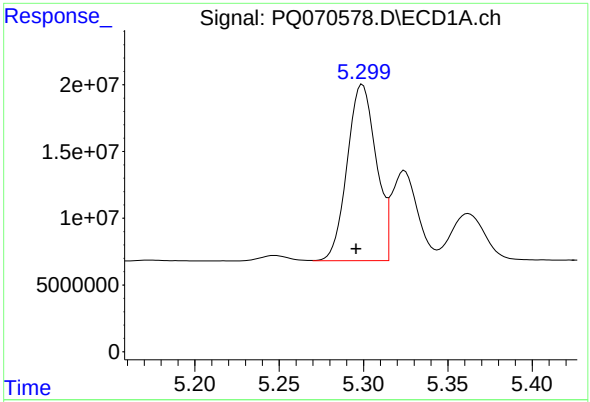
#2 Decachlorobiphenyl

R.T.: 8.504 min
Delta R.T.: 0.005 min
Response: 225808818
Conc: 46.05 ng/ml



#2 Decachlorobiphenyl

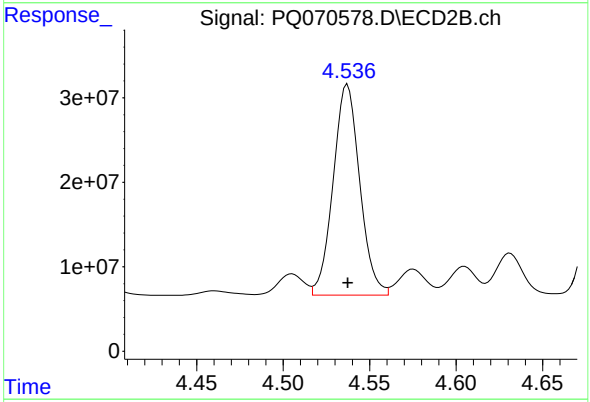
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 400747546
Conc: 45.87 ng/ml



#26 AR-1254-1

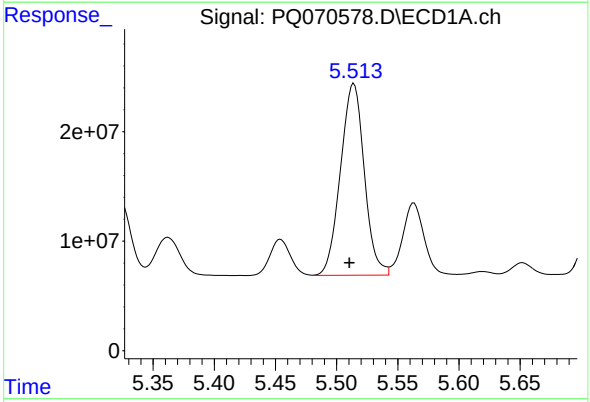
R.T.: 5.299 min
Delta R.T.: 0.004 min
Response: 157968077
Conc: 540.42 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1254



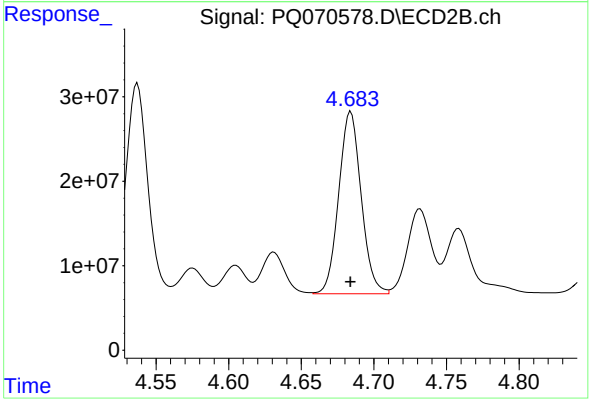
#26 AR-1254-1

R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 266180871
Conc: 529.46 ng/ml



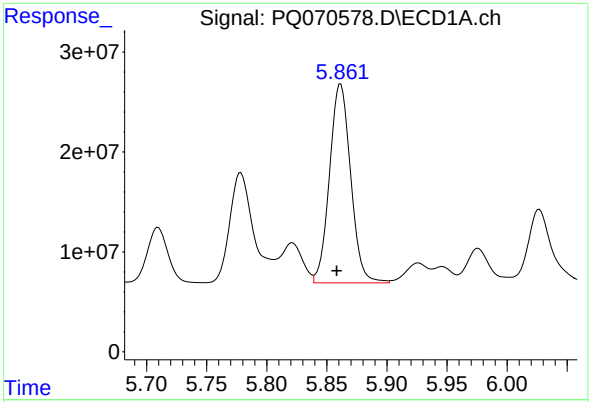
#27 AR-1254-2

R.T.: 5.514 min
Delta R.T.: 0.004 min
Response: 237117487
Conc: 547.11 ng/ml



#27 AR-1254-2

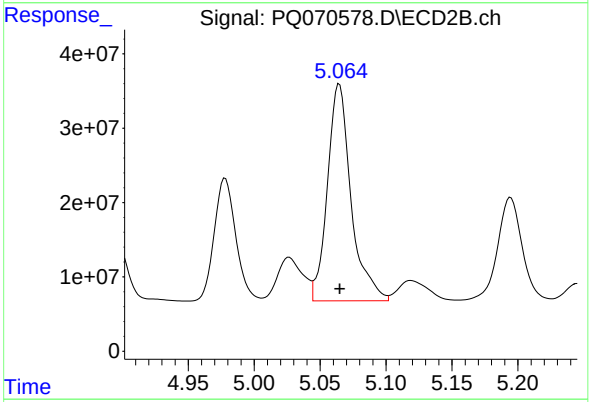
R.T.: 4.684 min
Delta R.T.: 0.000 min
Response: 232370386
Conc: 536.82 ng/ml



#28 AR-1254-3

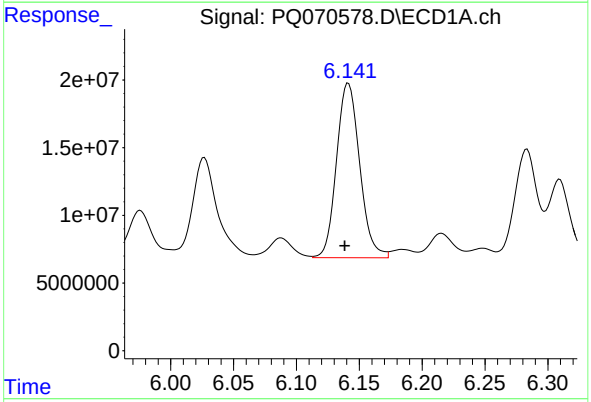
R.T.: 5.862 min
Delta R.T.: 0.003 min
Response: 244336160
Conc: 541.96 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1254



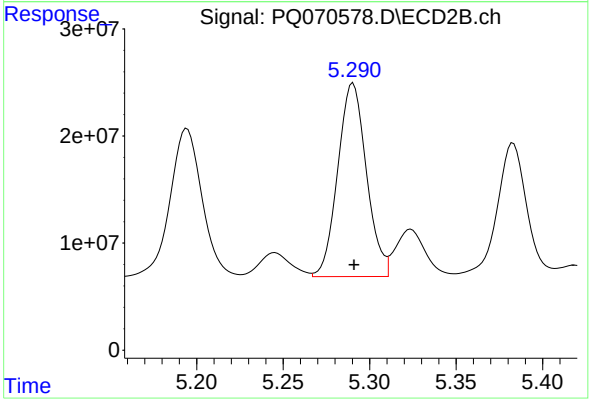
#28 AR-1254-3

R.T.: 5.065 min
Delta R.T.: 0.000 min
Response: 363693162
Conc: 532.54 ng/ml



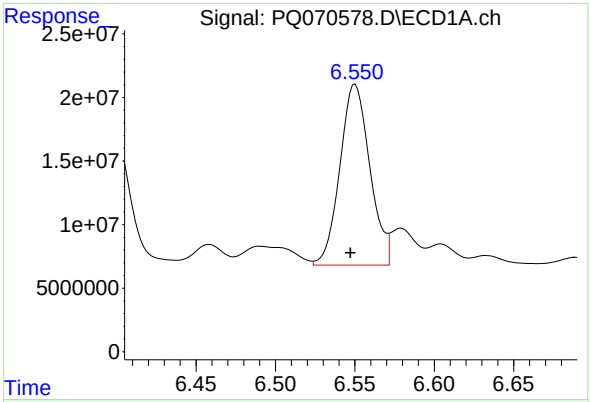
#29 AR-1254-4

R.T.: 6.141 min
Delta R.T.: 0.003 min
Response: 165446156
Conc: 520.34 ng/ml



#29 AR-1254-4

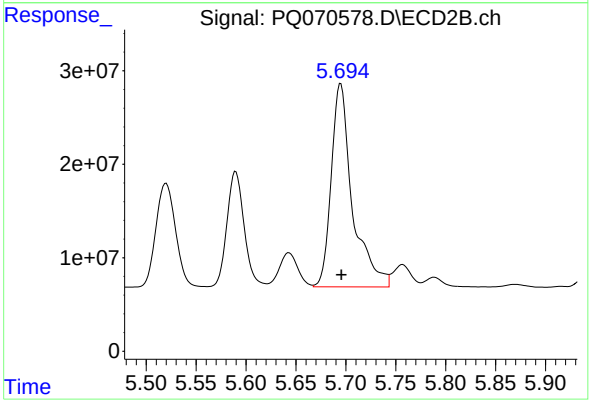
R.T.: 5.290 min
Delta R.T.: 0.000 min
Response: 208012159
Conc: 515.14 ng/ml



#30 AR-1254-5

R.T.: 6.550 min
Delta R.T.: 0.003 min
Response: 186428632
Conc: 530.45 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1254



#30 AR-1254-5

R.T.: 5.695 min
Delta R.T.: 0.000 min
Response: 320798968
Conc: 527.52 ng/ml

Raw Data: **PP073972.D**

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.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 08:51 **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)	5.65	5.66	5.56	5.76	0.01
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.81	5.82	5.72	5.92	0.01
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)	7.83	7.84	7.74	7.94	0.01
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

Raw Data: **PP073972.D**

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.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 08:51 **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)	5.04	5.05	4.95	5.15	0.01
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		3.77	3.78	3.68	3.88	0.01
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.:** Q2638

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073972.D **Time Analyzed:** 08:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.633	5.539	5.739	451.720	500.000	-9.7
Aroclor-1016-2	5.654	5.560	5.760	488.530	500.000	-2.3
Aroclor-1016-3	5.716	5.622	5.822	479.600	500.000	-4.1
Aroclor-1016-4	5.814	5.720	5.920	483.450	500.000	-3.3
Aroclor-1016-5	6.106	6.012	6.212	488.110	500.000	-2.4
Aroclor-1260-1	7.223	7.129	7.329	470.410	500.000	-5.9
Aroclor-1260-2	7.476	7.383	7.583	429.810	500.000	-14.0
Aroclor-1260-3	7.834	7.740	7.940	494.290	500.000	-1.1
Aroclor-1260-4	8.057	7.964	8.164	508.080	500.000	1.6
Aroclor-1260-5	8.375	8.283	8.483	513.090	500.000	2.6
Decachlorobiphenyl	10.166	10.076	10.276	53.820	50.000	7.6
Tetrachloro-m-xylene	4.482	4.388	4.588	51.200	50.000	2.4

Raw Data: **PP073972.D**

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.:** Q2638

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073972.D **Time Analyzed:** 08:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.849	4.758	4.958	471.860	500.000	-5.6
Aroclor-1016-2	4.867	4.775	4.975	478.870	500.000	-4.2
Aroclor-1016-3	5.043	4.951	5.151	489.440	500.000	-2.1
Aroclor-1016-4	5.085	4.993	5.193	487.850	500.000	-2.4
Aroclor-1016-5	5.298	5.207	5.407	494.440	500.000	-1.1
Aroclor-1260-1	6.328	6.237	6.437	472.030	500.000	-5.6
Aroclor-1260-2	6.516	6.425	6.625	470.640	500.000	-5.9
Aroclor-1260-3	6.668	6.577	6.777	469.520	500.000	-6.1
Aroclor-1260-4	7.137	7.046	7.246	489.920	500.000	-2.0
Aroclor-1260-5	7.379	7.289	7.489	491.630	500.000	-1.7
Decachlorobiphenyl	8.769	8.680	8.880	55.590	50.000	11.2
Tetrachloro-m-xylene	3.772	3.678	3.878	48.690	50.000	-2.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 08:51
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 22 01:44:10 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	3.772	70122852	89704759	51.202	48.692
2)	SA Decachlor...	10.166	8.769	58718229	73552446	53.818	55.589
	Target Compounds						
3)	L1 AR-1016-1	5.633	4.849	21462747	32168950	451.718	471.860
4)	L1 AR-1016-2	5.654	4.867	34790309	48789605	488.526	478.872
5)	L1 AR-1016-3	5.716	5.043	20940600	26481602	479.595	489.436
6)	L1 AR-1016-4	5.814	5.085	17377876	21407444	483.450	487.854
7)	L1 AR-1016-5	6.106	5.298	15292750	26987830	488.112	494.441
31)	L7 AR-1260-1	7.223	6.328	27735757	46051101	470.407	472.027
32)	L7 AR-1260-2	7.476	6.516	41192512	57811705	429.806	470.635
33)	L7 AR-1260-3	7.834	6.668	36118391	51395792	494.294	469.523
34)	L7 AR-1260-4	8.057	7.137	33177678	43803186	508.082	489.922
35)	L7 AR-1260-5	8.375	7.379	77401624	110.5E6	513.094	491.630

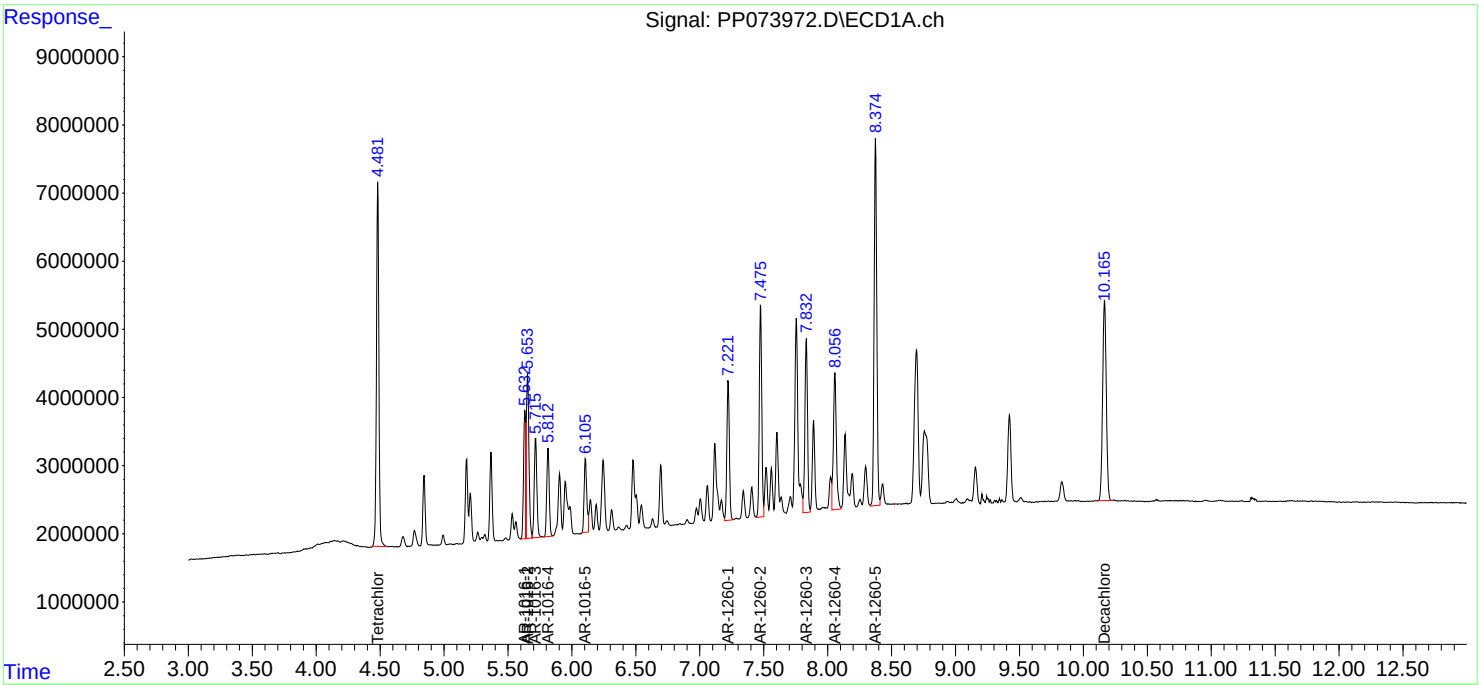
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

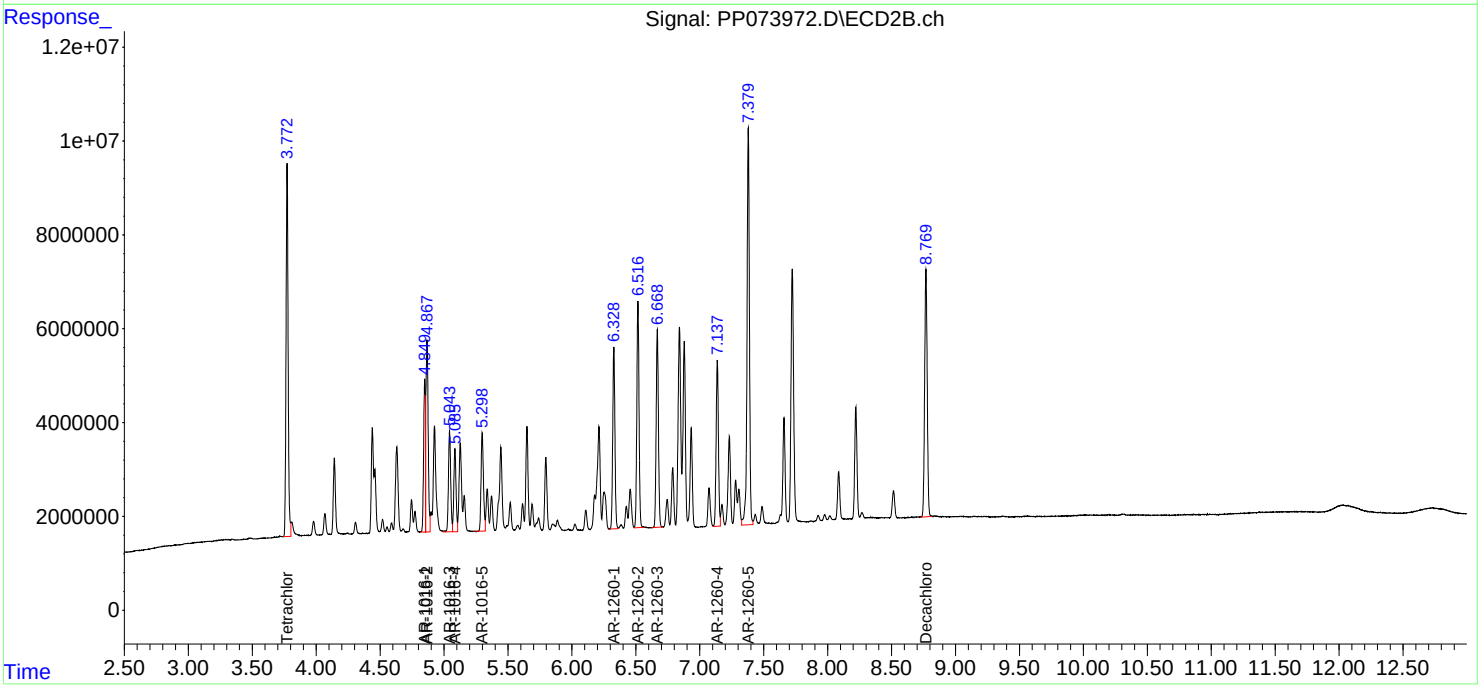
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 08:51
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

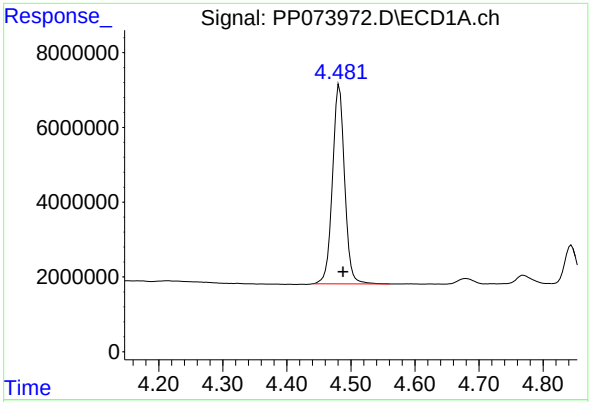
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:10 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



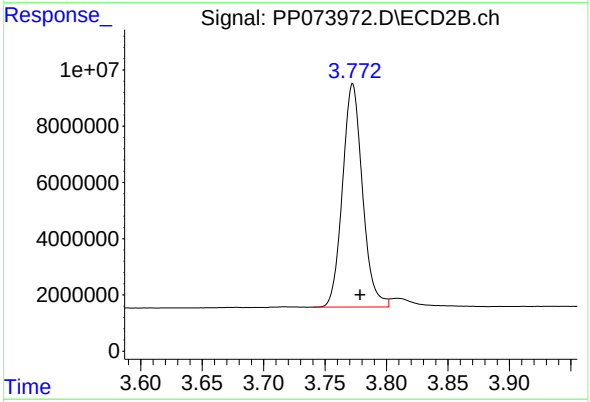




#1 Tetrachloro-m-xylene

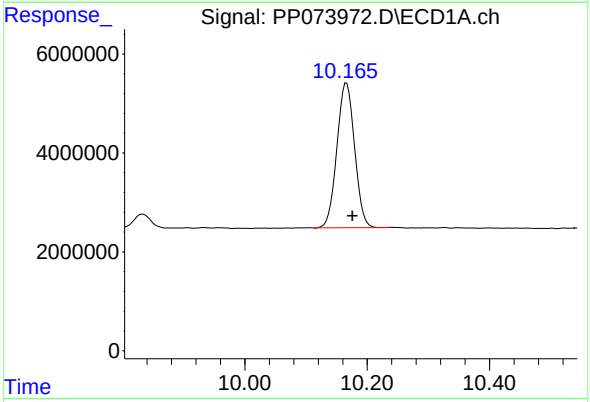
R.T.: 4.482 min
Delta R.T.: -0.006 min
Response: 70122852
Conc: 51.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



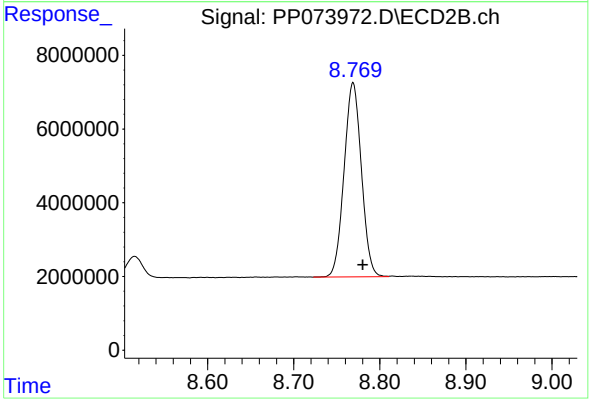
#1 Tetrachloro-m-xylene

R.T.: 3.772 min
Delta R.T.: -0.006 min
Response: 89704759
Conc: 48.69 ng/ml



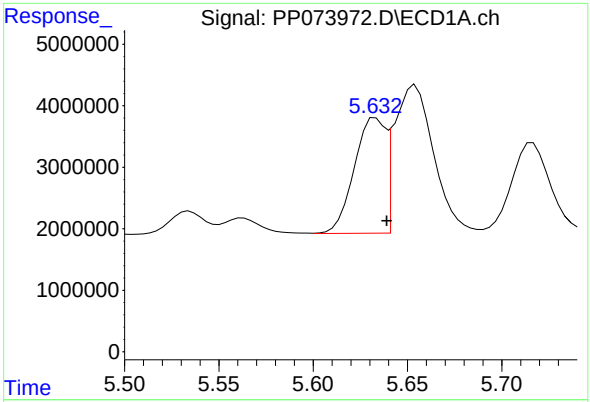
#2 Decachlorobiphenyl

R.T.: 10.166 min
Delta R.T.: -0.010 min
Response: 58718229
Conc: 53.82 ng/ml



#2 Decachlorobiphenyl

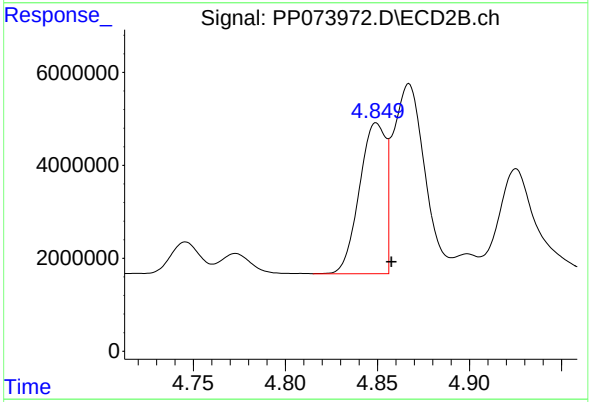
R.T.: 8.769 min
Delta R.T.: -0.011 min
Response: 73552446
Conc: 55.59 ng/ml



#3 AR-1016-1

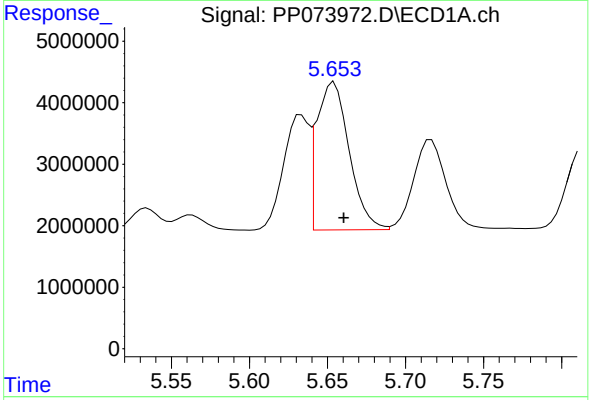
R.T.: 5.633 min
Delta R.T.: -0.006 min
Response: 21462747
Conc: 451.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



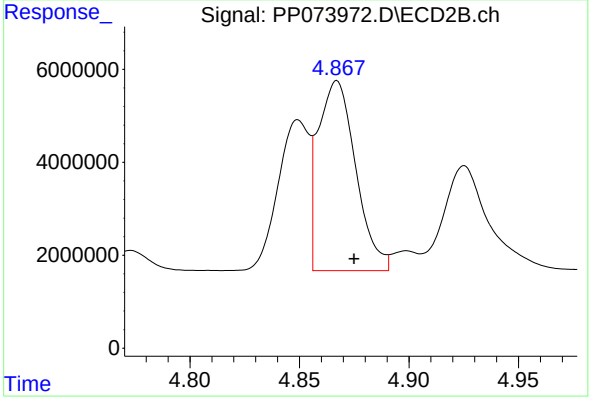
#3 AR-1016-1

R.T.: 4.849 min
Delta R.T.: -0.008 min
Response: 32168950
Conc: 471.86 ng/ml



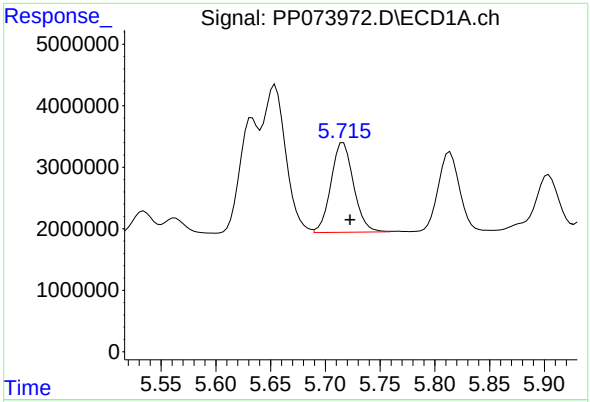
#4 AR-1016-2

R.T.: 5.654 min
Delta R.T.: -0.006 min
Response: 34790309
Conc: 488.53 ng/ml



#4 AR-1016-2

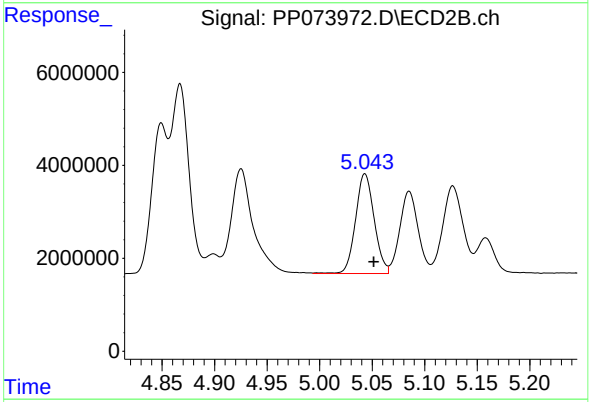
R.T.: 4.867 min
Delta R.T.: -0.008 min
Response: 48789605
Conc: 478.87 ng/ml



#5 AR-1016-3

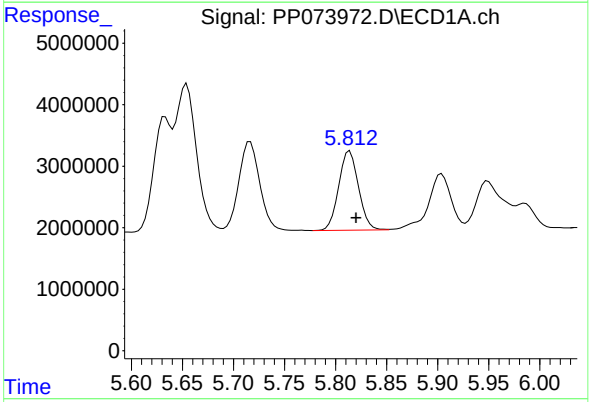
R.T.: 5.716 min
Delta R.T.: -0.006 min
Response: 20940600
Conc: 479.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



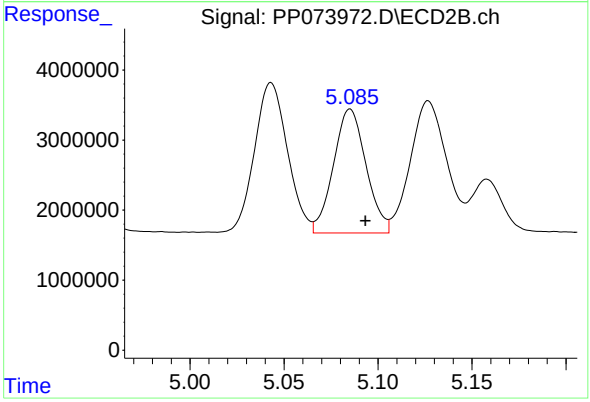
#5 AR-1016-3

R.T.: 5.043 min
Delta R.T.: -0.008 min
Response: 26481602
Conc: 489.44 ng/ml



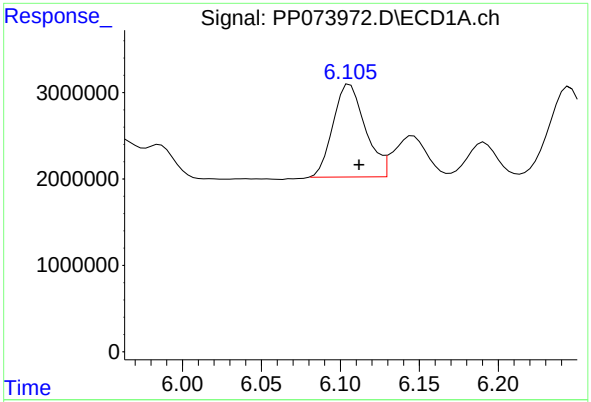
#6 AR-1016-4

R.T.: 5.814 min
Delta R.T.: -0.006 min
Response: 17377876
Conc: 483.45 ng/ml



#6 AR-1016-4

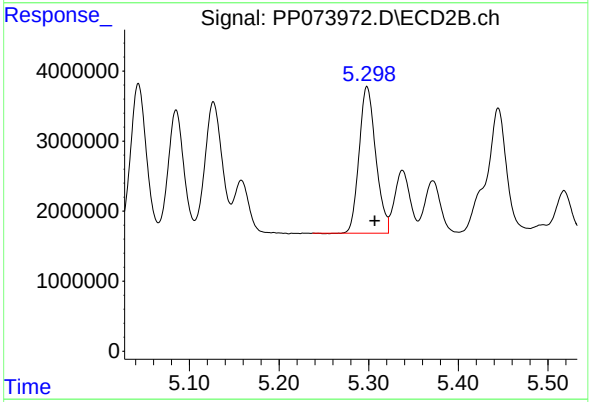
R.T.: 5.085 min
Delta R.T.: -0.008 min
Response: 21407444
Conc: 487.85 ng/ml



#7 AR-1016-5

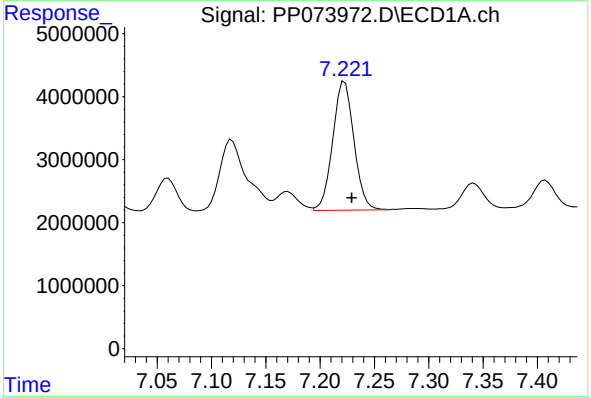
R.T.: 6.106 min
Delta R.T.: -0.006 min
Response: 15292750
Conc: 488.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



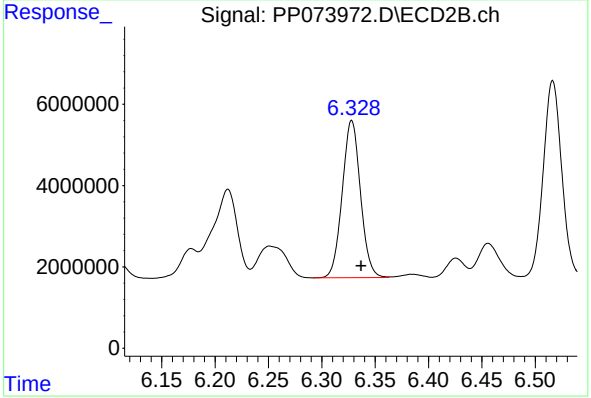
#7 AR-1016-5

R.T.: 5.298 min
Delta R.T.: -0.009 min
Response: 26987830
Conc: 494.44 ng/ml



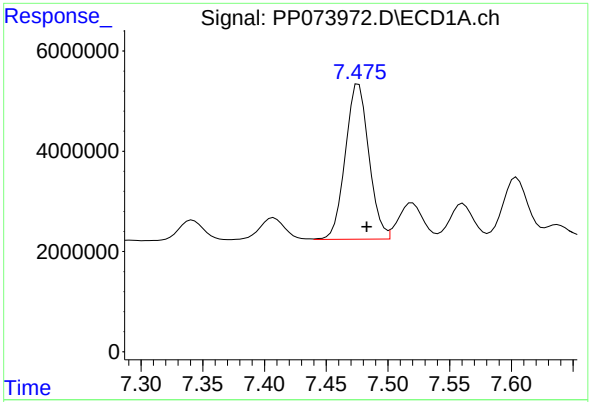
#31 AR-1260-1

R.T.: 7.223 min
Delta R.T.: -0.006 min
Response: 27735757
Conc: 470.41 ng/ml



#31 AR-1260-1

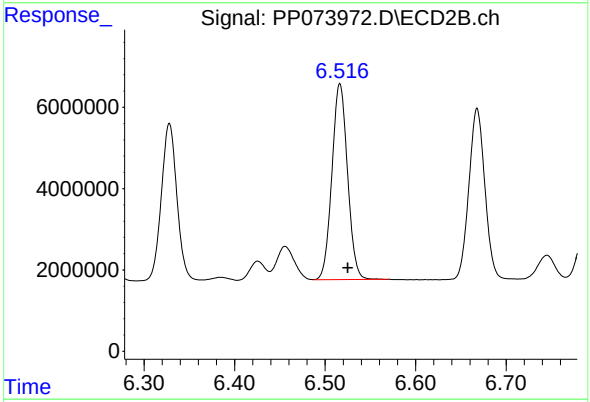
R.T.: 6.328 min
Delta R.T.: -0.009 min
Response: 46051101
Conc: 472.03 ng/ml



#32 AR-1260-2

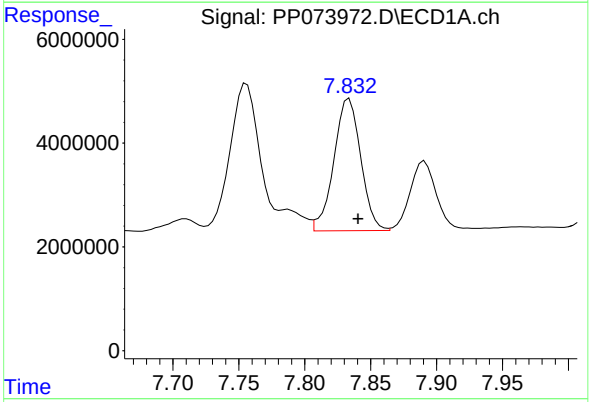
R.T.: 7.476 min
Delta R.T.: -0.006 min
Response: 41192512
Conc: 429.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



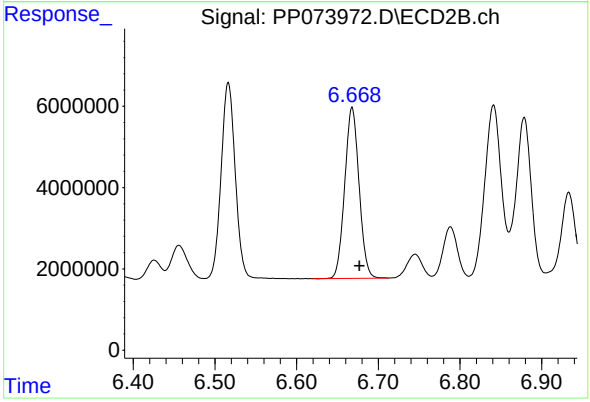
#32 AR-1260-2

R.T.: 6.516 min
Delta R.T.: -0.009 min
Response: 57811705
Conc: 470.64 ng/ml



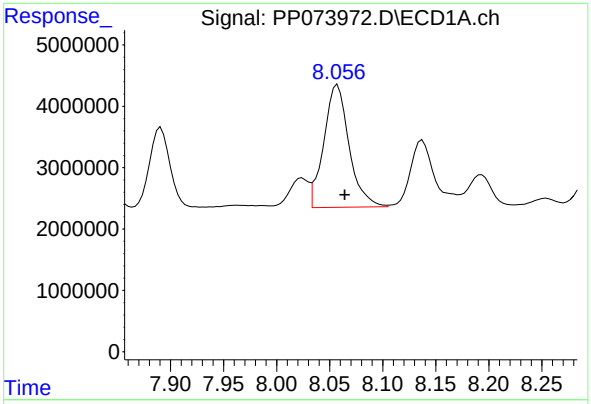
#33 AR-1260-3

R.T.: 7.834 min
Delta R.T.: -0.007 min
Response: 36118391
Conc: 494.29 ng/ml



#33 AR-1260-3

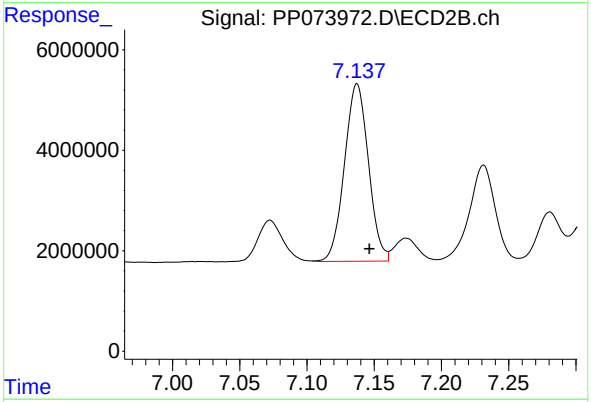
R.T.: 6.668 min
Delta R.T.: -0.009 min
Response: 51395792
Conc: 469.52 ng/ml



#34 AR-1260-4

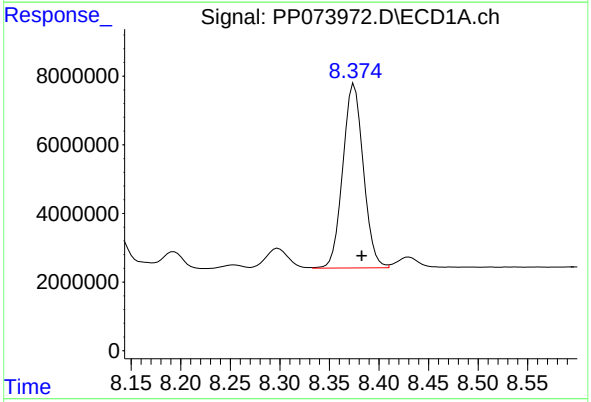
R.T.: 8.057 min
Delta R.T.: -0.007 min
Response: 33177678
Conc: 508.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



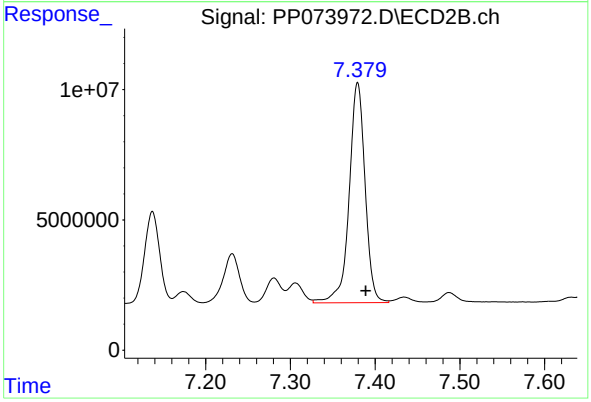
#34 AR-1260-4

R.T.: 7.137 min
Delta R.T.: -0.009 min
Response: 43803186
Conc: 489.92 ng/ml



#35 AR-1260-5

R.T.: 8.375 min
Delta R.T.: -0.008 min
Response: 77401624
Conc: 513.09 ng/ml



#35 AR-1260-5

R.T.: 7.379 min
Delta R.T.: -0.009 min
Response: 110487282
Conc: 491.63 ng/ml

Raw Data: **PP073987.D**

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.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 15:18 **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

Raw Data: **PP073987.D**

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.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 15:18 **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		3.77	3.78	3.68	3.88	0.01
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.:** Q2638

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073987.D **Time Analyzed:** 15:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.634	5.539	5.739	447.980	500.000	-10.4
Aroclor-1016-2	5.655	5.560	5.760	488.950	500.000	-2.2
Aroclor-1016-3	5.717	5.622	5.822	483.620	500.000	-3.3
Aroclor-1016-4	5.815	5.720	5.920	487.720	500.000	-2.5
Aroclor-1016-5	6.107	6.012	6.212	490.820	500.000	-1.8
Aroclor-1260-1	7.223	7.129	7.329	477.040	500.000	-4.6
Aroclor-1260-2	7.477	7.383	7.583	431.310	500.000	-13.7
Aroclor-1260-3	7.835	7.740	7.940	484.320	500.000	-3.1
Aroclor-1260-4	8.058	7.964	8.164	499.440	500.000	-0.1
Aroclor-1260-5	8.376	8.283	8.483	502.480	500.000	0.5
Decachlorobiphenyl	10.168	10.076	10.276	53.680	50.000	7.4
Tetrachloro-m-xylene	4.482	4.388	4.588	50.840	50.000	1.7

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.:** Q2638

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073987.D **Time Analyzed:** 15:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.851	4.758	4.958	523.290	500.000	4.7
Aroclor-1016-2	4.869	4.775	4.975	525.770	500.000	5.2
Aroclor-1016-3	5.045	4.951	5.151	530.150	500.000	6.0
Aroclor-1016-4	5.086	4.993	5.193	529.020	500.000	5.8
Aroclor-1016-5	5.301	5.207	5.407	537.530	500.000	7.5
Aroclor-1260-1	6.330	6.237	6.437	529.710	500.000	5.9
Aroclor-1260-2	6.519	6.425	6.625	534.970	500.000	7.0
Aroclor-1260-3	6.670	6.577	6.777	517.150	500.000	3.4
Aroclor-1260-4	7.139	7.046	7.246	539.350	500.000	7.9
Aroclor-1260-5	7.382	7.289	7.489	536.370	500.000	7.3
Decachlorobiphenyl	8.772	8.680	8.880	60.720	50.000	21.4
Tetrachloro-m-xylene	3.774	3.678	3.878	53.660	50.000	7.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 97 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:52:27 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	3.774	69631726	98851408	50.844	53.657
2)	SA Decachlor...	10.168	8.772	58562821	80339742	53.676	60.719
	Target Compounds						
3)	L1 AR-1016-1	5.634	4.851	21285031	35674841	447.978	523.285
4)	L1 AR-1016-2	5.655	4.869	34820583	53567329	488.951	525.766
5)	L1 AR-1016-3	5.717	5.045	21116147	28684318	483.616	530.147
6)	L1 AR-1016-4	5.815	5.086	17531206	23214036	487.715	529.024
7)	L1 AR-1016-5	6.107	5.301	15377637	29339780	490.821	537.531
31)	L7 AR-1260-1	7.223	6.330	28126866	51678611	477.040	529.709
32)	L7 AR-1260-2	7.477	6.519	41336288	65714064	431.306	534.967
33)	L7 AR-1260-3	7.835	6.670	35389503	56609708	484.319	517.155
34)	L7 AR-1260-4	8.058	7.139	32613157	48222670	499.437	539.353
35)	L7 AR-1260-5	8.376	7.382	75800503	120.5E6	502.480	536.367

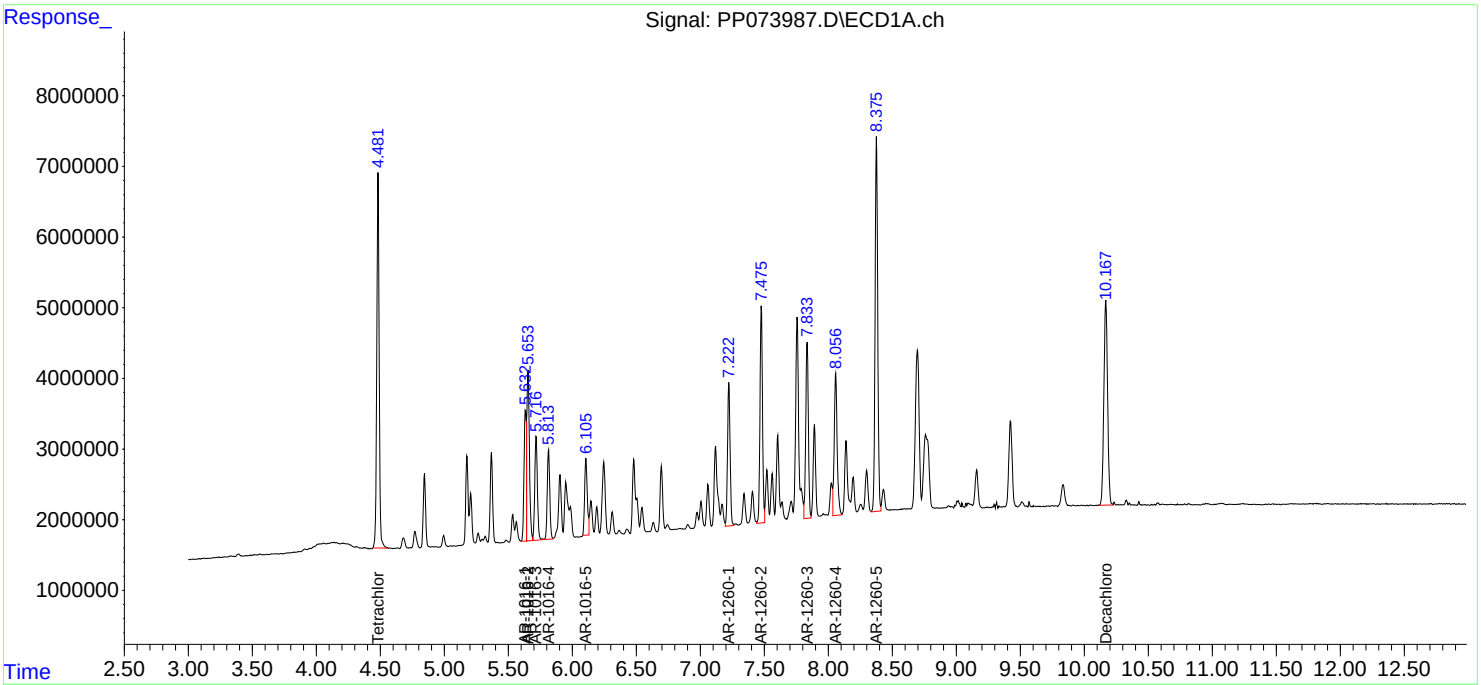
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

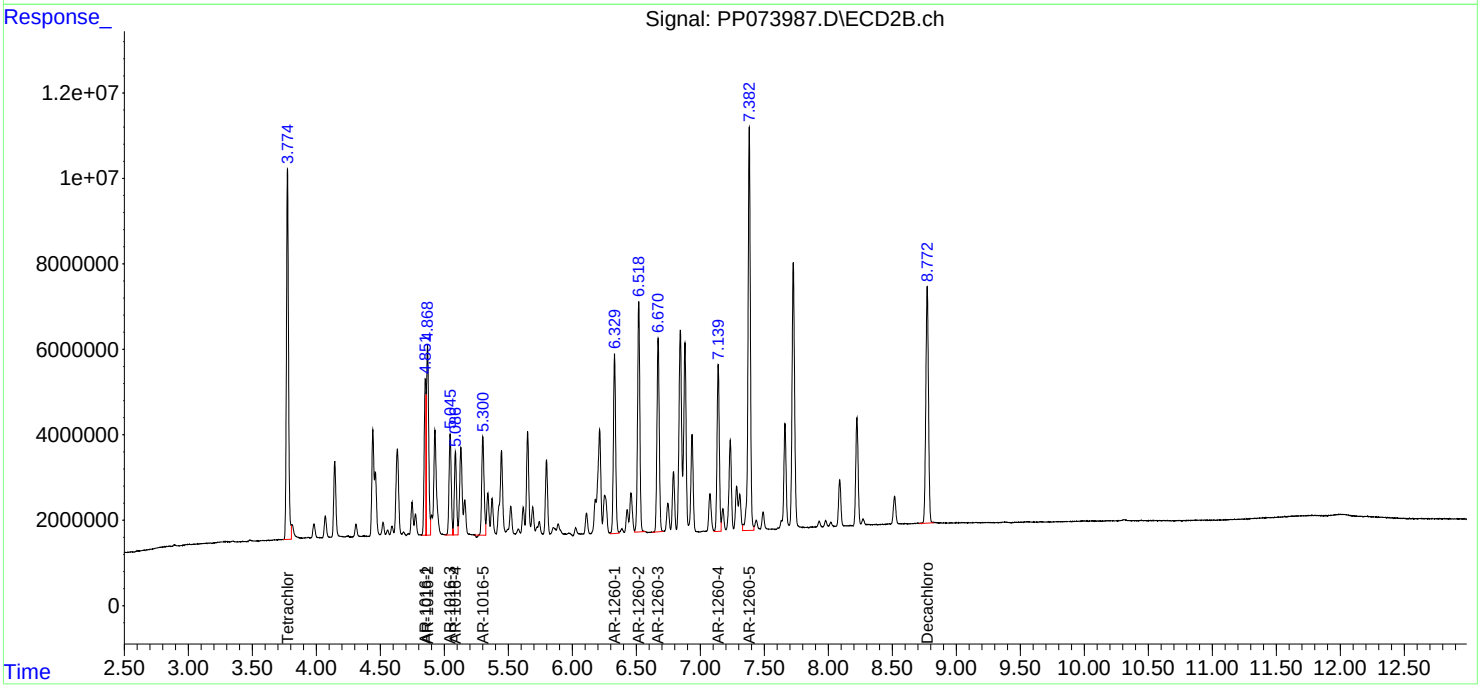
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:18
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 97 Sample Multiplier: 1

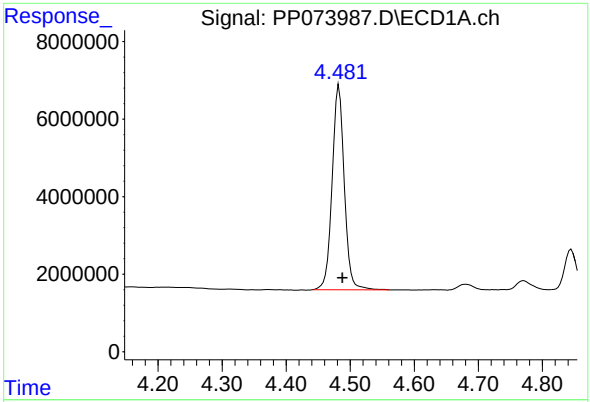
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:52:27 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



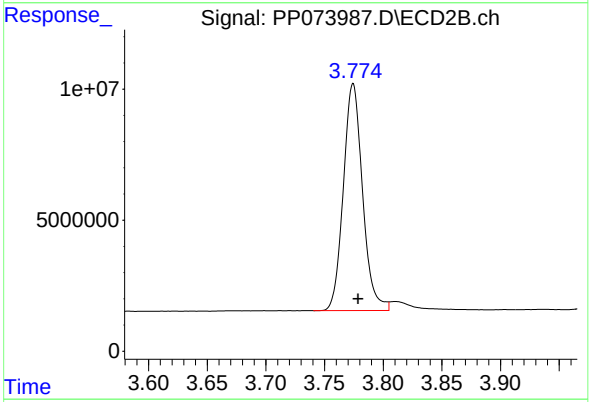




#1 Tetrachloro-m-xylene

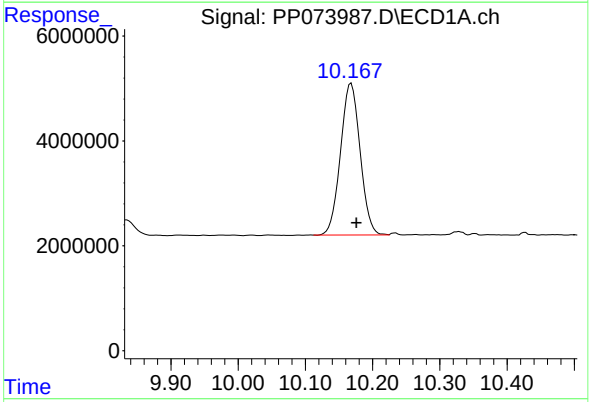
R.T.: 4.482 min
Delta R.T.: -0.006 min
Response: 69631726
Conc: 50.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



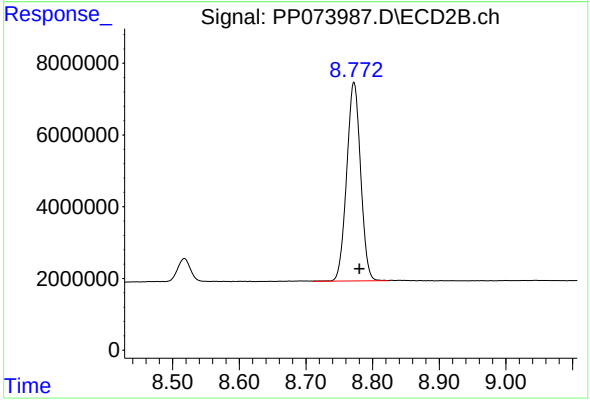
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.004 min
Response: 98851408
Conc: 53.66 ng/ml



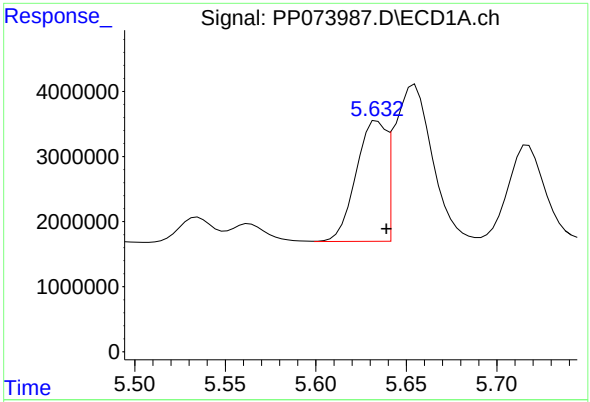
#2 Decachlorobiphenyl

R.T.: 10.168 min
Delta R.T.: -0.008 min
Response: 58562821
Conc: 53.68 ng/ml



#2 Decachlorobiphenyl

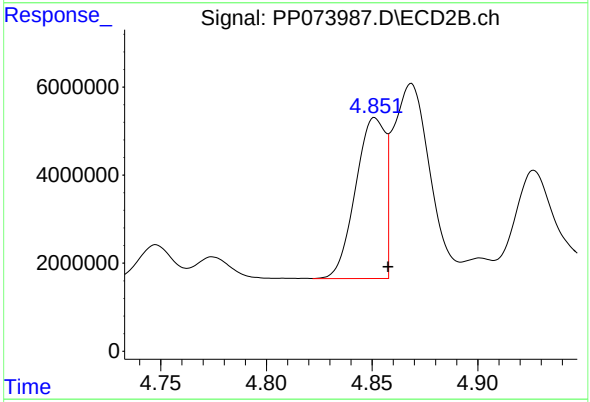
R.T.: 8.772 min
Delta R.T.: -0.008 min
Response: 80339742
Conc: 60.72 ng/ml



#3 AR-1016-1

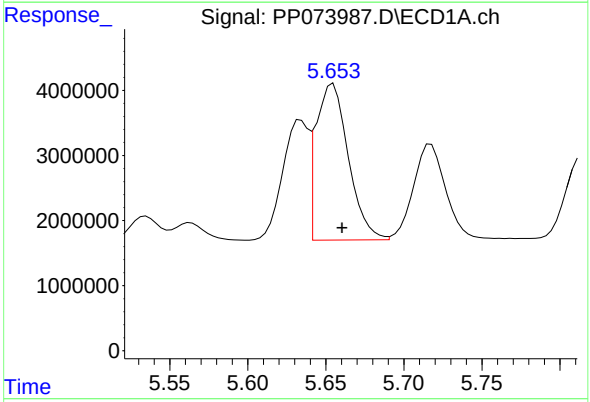
R.T.: 5.634 min
Delta R.T.: -0.005 min
Response: 21285031
Conc: 447.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



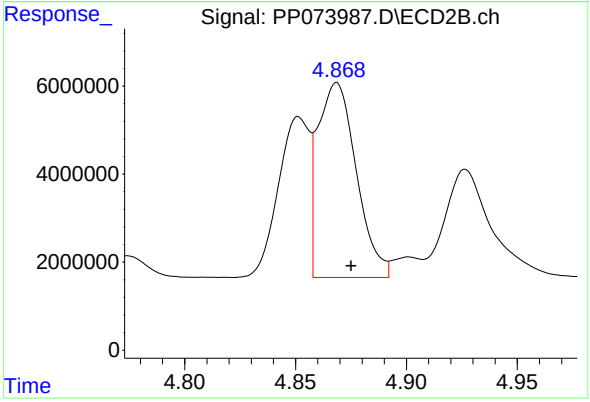
#3 AR-1016-1

R.T.: 4.851 min
Delta R.T.: -0.006 min
Response: 35674841
Conc: 523.29 ng/ml



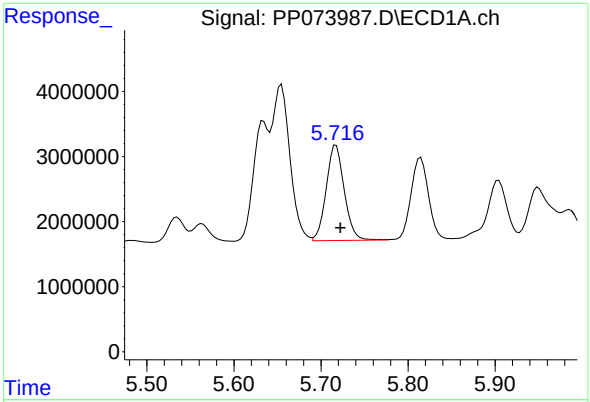
#4 AR-1016-2

R.T.: 5.655 min
Delta R.T.: -0.006 min
Response: 34820583
Conc: 488.95 ng/ml



#4 AR-1016-2

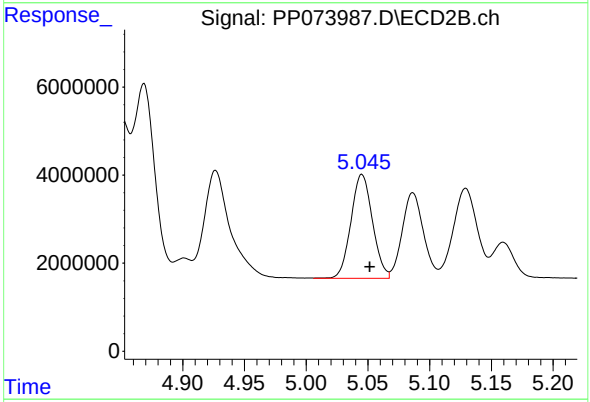
R.T.: 4.869 min
Delta R.T.: -0.006 min
Response: 53567329
Conc: 525.77 ng/ml



#5 AR-1016-3

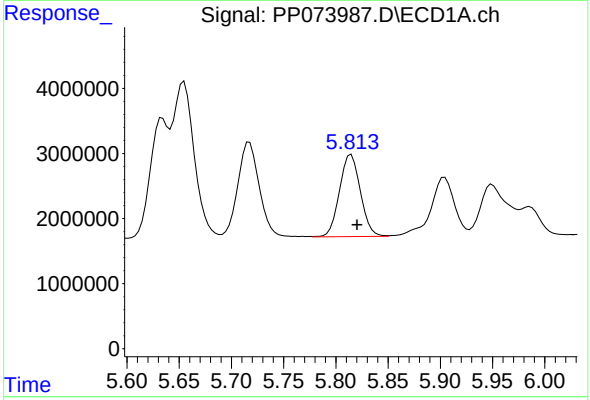
R.T.: 5.717 min
Delta R.T.: -0.005 min
Response: 21116147
Conc: 483.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



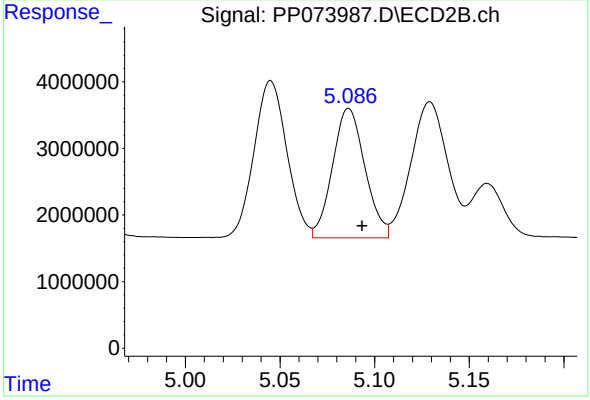
#5 AR-1016-3

R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 28684318
Conc: 530.15 ng/ml



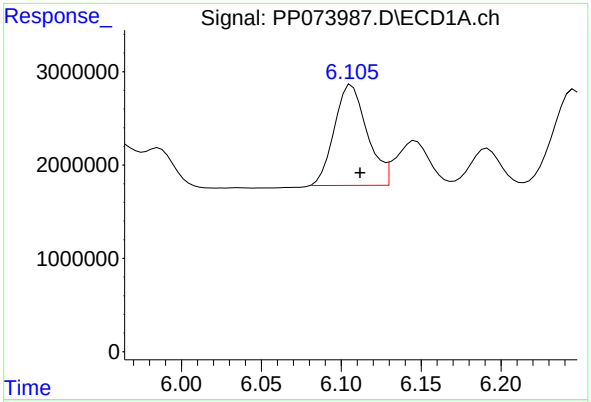
#6 AR-1016-4

R.T.: 5.815 min
Delta R.T.: -0.006 min
Response: 17531206
Conc: 487.72 ng/ml



#6 AR-1016-4

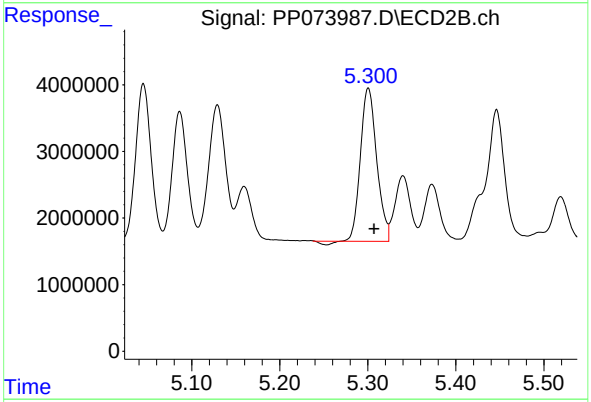
R.T.: 5.086 min
Delta R.T.: -0.007 min
Response: 23214036
Conc: 529.02 ng/ml



#7 AR-1016-5

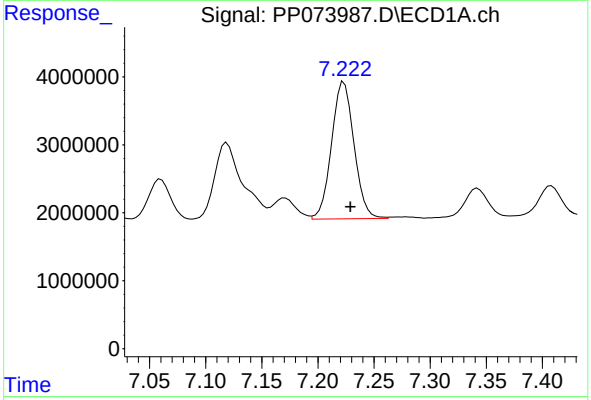
R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 15377637
Conc: 490.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



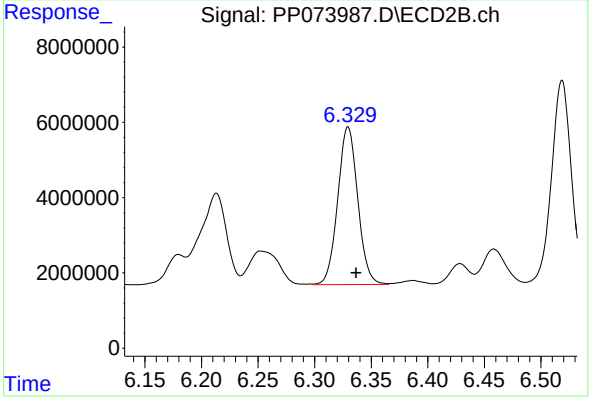
#7 AR-1016-5

R.T.: 5.301 min
Delta R.T.: -0.006 min
Response: 29339780
Conc: 537.53 ng/ml



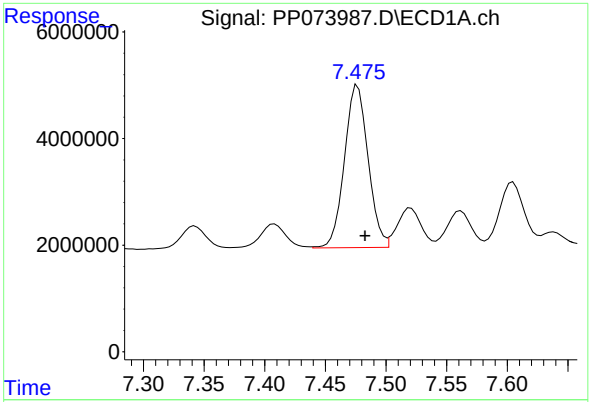
#31 AR-1260-1

R.T.: 7.223 min
Delta R.T.: -0.006 min
Response: 28126866
Conc: 477.04 ng/ml



#31 AR-1260-1

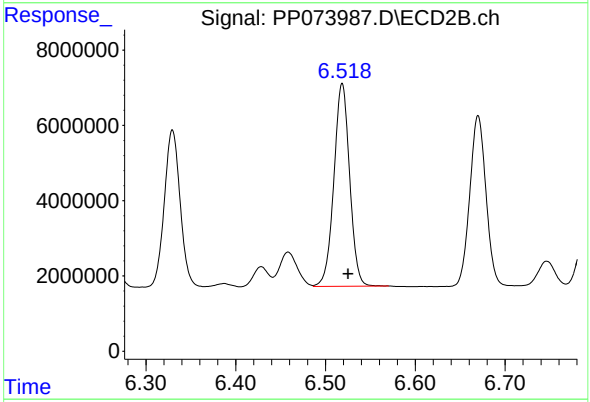
R.T.: 6.330 min
Delta R.T.: -0.007 min
Response: 51678611
Conc: 529.71 ng/ml



#32 AR-1260-2

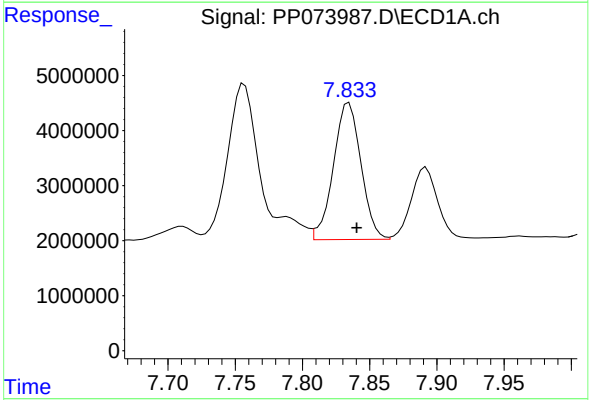
R.T.: 7.477 min
Delta R.T.: -0.006 min
Response: 41336288
Conc: 431.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



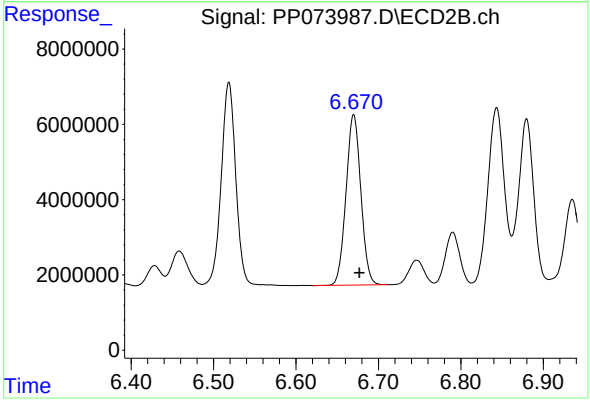
#32 AR-1260-2

R.T.: 6.519 min
Delta R.T.: -0.006 min
Response: 65714064
Conc: 534.97 ng/ml



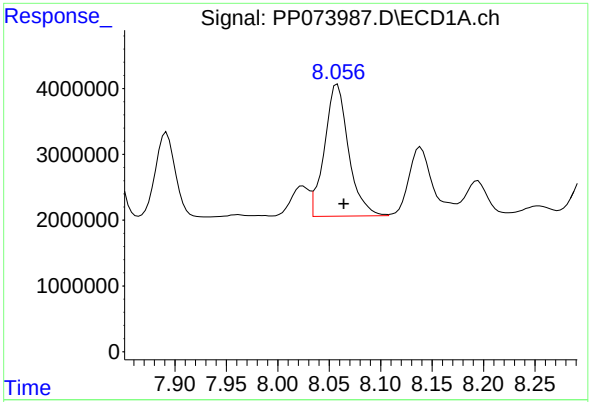
#33 AR-1260-3

R.T.: 7.835 min
Delta R.T.: -0.006 min
Response: 35389503
Conc: 484.32 ng/ml



#33 AR-1260-3

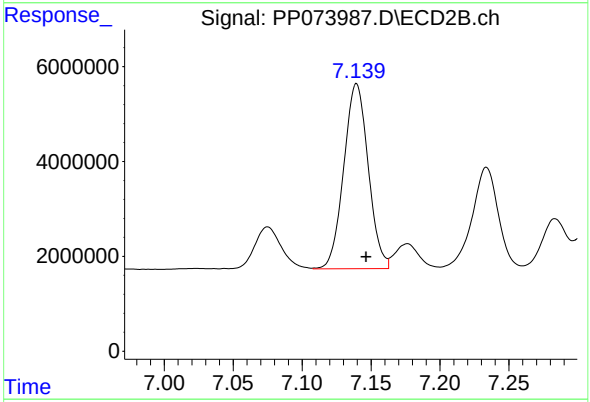
R.T.: 6.670 min
Delta R.T.: -0.007 min
Response: 56609708
Conc: 517.15 ng/ml



#34 AR-1260-4

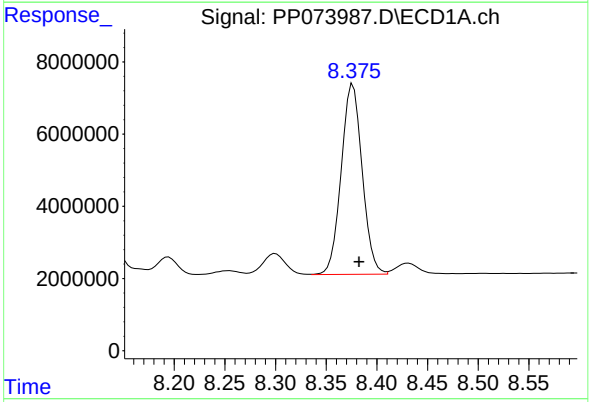
R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 32613157
Conc: 499.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



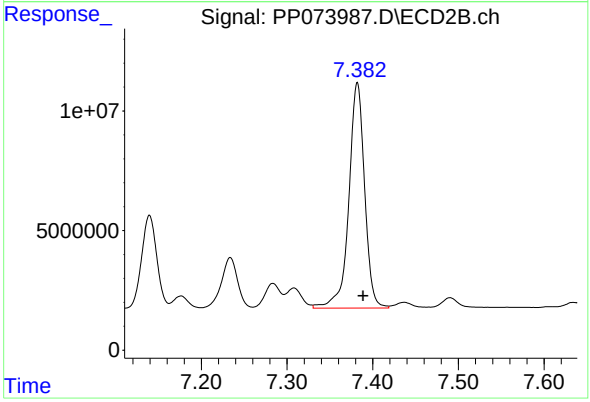
#34 AR-1260-4

R.T.: 7.139 min
Delta R.T.: -0.007 min
Response: 48222670
Conc: 539.35 ng/ml



#35 AR-1260-5

R.T.: 8.376 min
Delta R.T.: -0.006 min
Response: 75800503
Conc: 502.48 ng/ml



#35 AR-1260-5

R.T.: 7.382 min
Delta R.T.: -0.007 min
Response: 120541218
Conc: 536.37 ng/ml

Raw Data: **PP074002.D**

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.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 20:12 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW 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)	5.81	5.82	5.72	5.92	0.01
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

Raw Data: **PP074002.D**

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.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 20:12 **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		3.77	3.78	3.68	3.88	0.01
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.:** Q2638

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074002.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.633	5.539	5.739	417.670	500.000	-16.5
Aroclor-1016-2	5.655	5.560	5.760	441.230	500.000	-11.8
Aroclor-1016-3	5.717	5.622	5.822	440.930	500.000	-11.8
Aroclor-1016-4	5.814	5.720	5.920	447.640	500.000	-10.5
Aroclor-1016-5	6.106	6.012	6.212	447.640	500.000	-10.5
Aroclor-1260-1	7.223	7.129	7.329	436.450	500.000	-12.7
Aroclor-1260-2	7.476	7.383	7.583	388.210	500.000	-22.4
Aroclor-1260-3	7.835	7.740	7.940	446.560	500.000	-10.7
Aroclor-1260-4	8.058	7.964	8.164	457.200	500.000	-8.6
Aroclor-1260-5	8.375	8.283	8.483	463.250	500.000	-7.4
Decachlorobiphenyl	10.167	10.076	10.276	49.370	50.000	-1.3
Tetrachloro-m-xylene	4.482	4.388	4.588	46.140	50.000	-7.7

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.:** Q2638

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074002.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.851	4.758	4.958	493.890	500.000	-1.2
Aroclor-1016-2	4.868	4.775	4.975	499.810	500.000	0.0
Aroclor-1016-3	5.045	4.951	5.151	503.470	500.000	0.7
Aroclor-1016-4	5.086	4.993	5.193	504.400	500.000	0.9
Aroclor-1016-5	5.300	5.207	5.407	538.420	500.000	7.7
Aroclor-1260-1	6.328	6.237	6.437	491.430	500.000	-1.7
Aroclor-1260-2	6.518	6.425	6.625	498.630	500.000	-0.3
Aroclor-1260-3	6.669	6.577	6.777	486.440	500.000	-2.7
Aroclor-1260-4	7.138	7.046	7.246	498.710	500.000	-0.3
Aroclor-1260-5	7.381	7.289	7.489	492.290	500.000	-1.5
Decachlorobiphenyl	8.770	8.680	8.880	55.670	50.000	11.3
Tetrachloro-m-xylene	3.774	3.678	3.878	49.390	50.000	-1.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP074002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 20:12
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 22 02:15:43 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	3.774	63193426	90988816	46.143	49.389	
2)	SA Decachlor...	10.167	8.770	53862595	73653605	49.368	55.665	
	Target Compounds							
3)	L1 AR-1016-1	5.633	4.851	19845079	33671086	417.672	493.894	
4)	L1 AR-1016-2	5.655	4.868	31421872	50923060	441.226	499.812	
5)	L1 AR-1016-3	5.717	5.045	19252218	27240841	440.927	503.469	
6)	L1 AR-1016-4	5.814	5.086	16090510	22133580	447.635	504.402	
7)	L1 AR-1016-5	6.106	5.300	14024771	29388405	447.641	538.422	
31)	L7 AR-1260-1	7.223	6.328	25733643	47943599	436.450	491.425	
32)	L7 AR-1260-2	7.476	6.518	37205677	61251085	388.207	498.635	#
33)	L7 AR-1260-3	7.835	6.669	32630488	53247386	446.561	486.438	
34)	L7 AR-1260-4	8.058	7.138	29855389	44588741	457.204	498.708	
35)	L7 AR-1260-5	8.375	7.381	69882878	110.6E6	463.252	492.291	

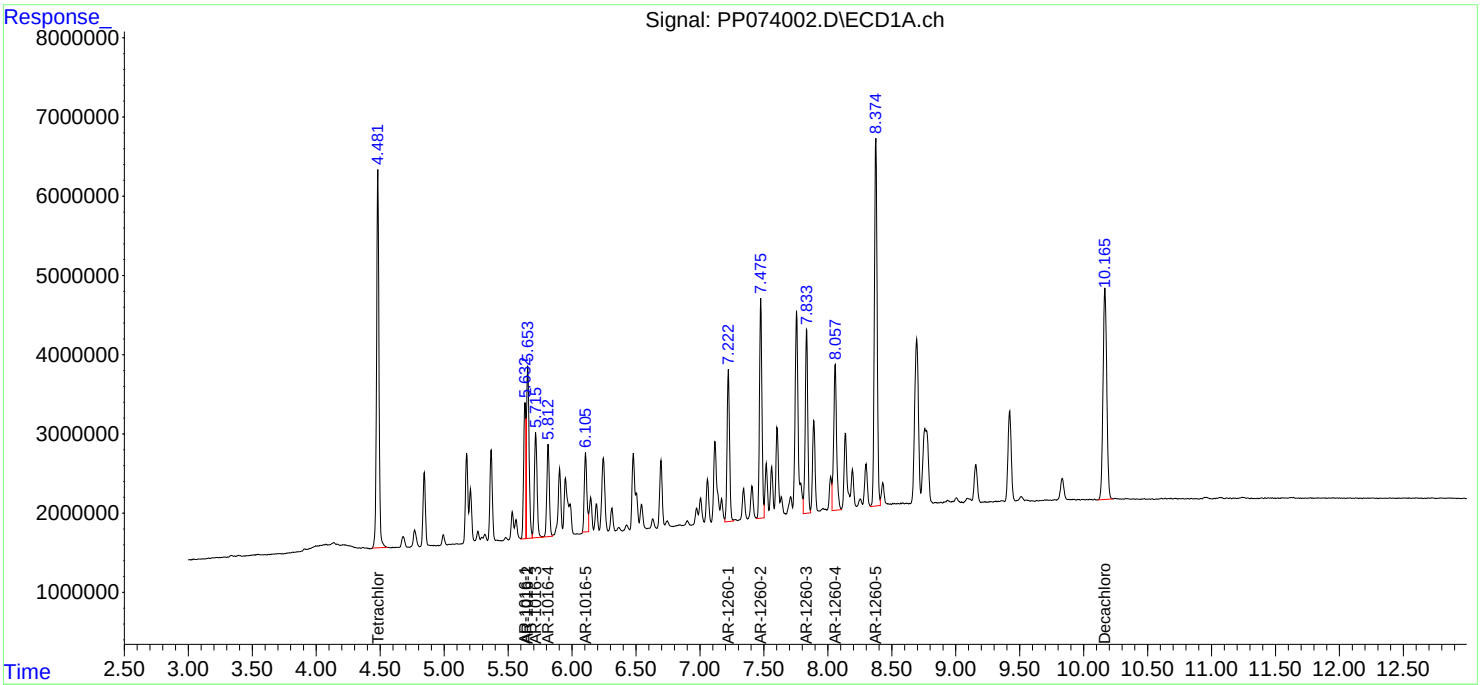
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

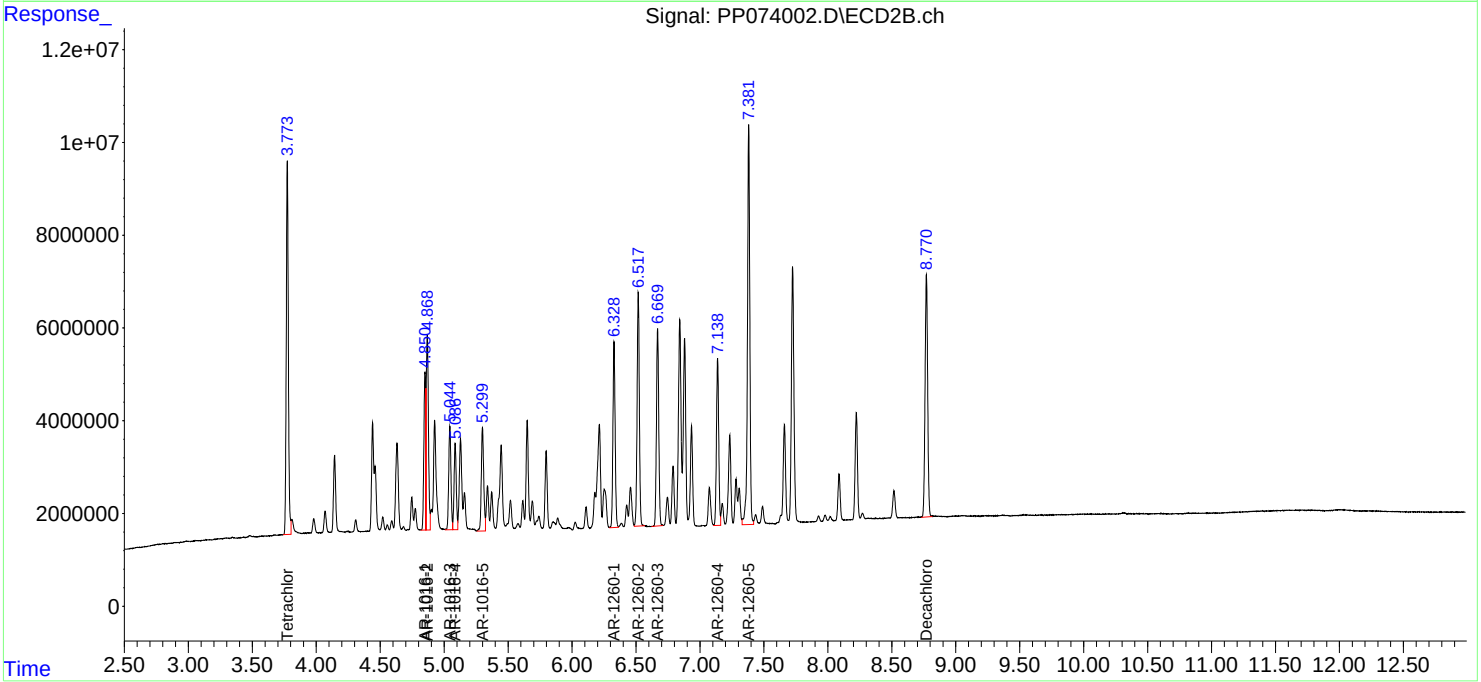
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP074002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 20:12
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

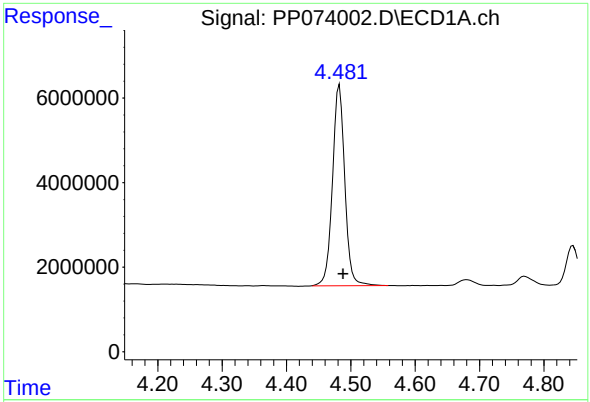
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:15:43 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



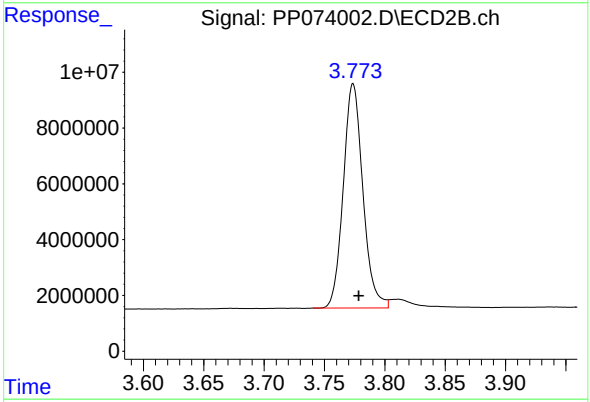




#1 Tetrachloro-m-xylene

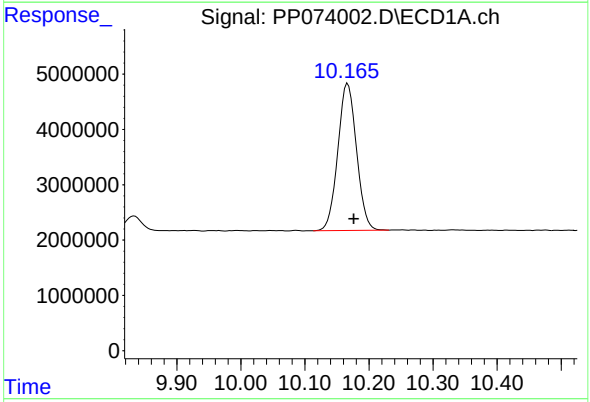
R.T.: 4.482 min
Delta R.T.: -0.006 min
Response: 63193426
Conc: 46.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



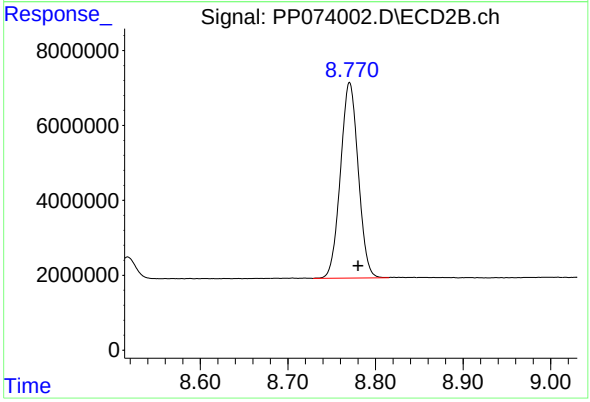
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.005 min
Response: 90988816
Conc: 49.39 ng/ml



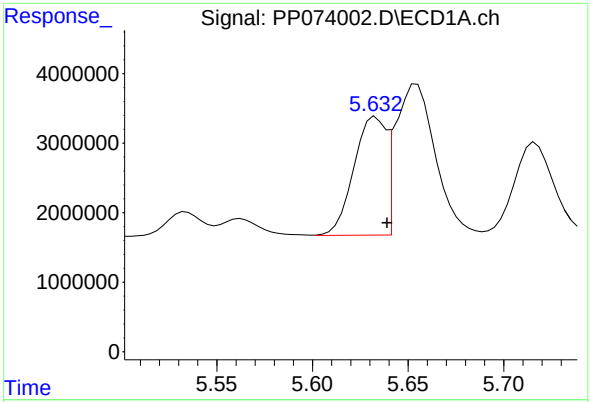
#2 Decachlorobiphenyl

R.T.: 10.167 min
Delta R.T.: -0.009 min
Response: 53862595
Conc: 49.37 ng/ml



#2 Decachlorobiphenyl

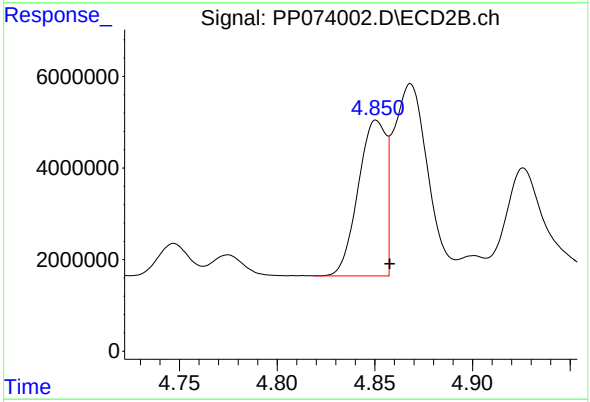
R.T.: 8.770 min
Delta R.T.: -0.010 min
Response: 73653605
Conc: 55.67 ng/ml



#3 AR-1016-1

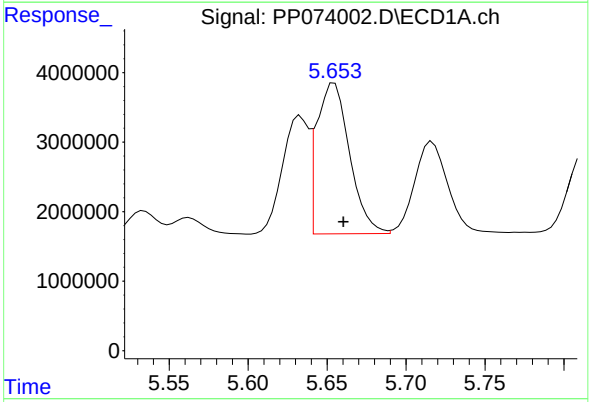
R.T.: 5.633 min
Delta R.T.: -0.006 min
Response: 19845079
Conc: 417.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



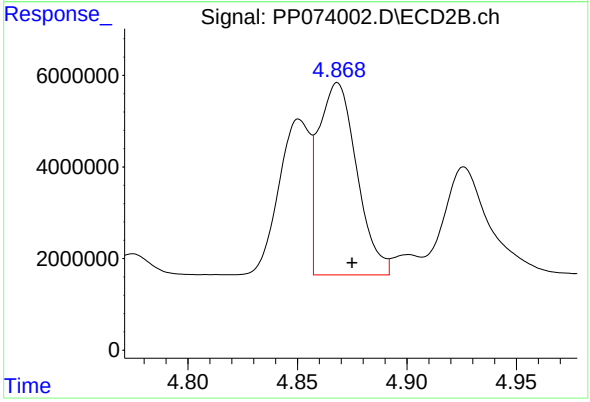
#3 AR-1016-1

R.T.: 4.851 min
Delta R.T.: -0.007 min
Response: 33671086
Conc: 493.89 ng/ml



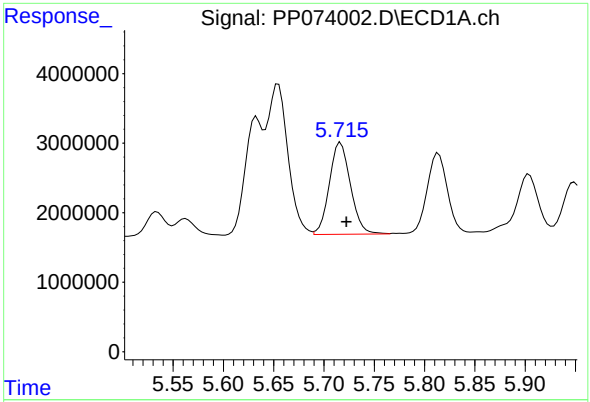
#4 AR-1016-2

R.T.: 5.655 min
Delta R.T.: -0.006 min
Response: 31421872
Conc: 441.23 ng/ml



#4 AR-1016-2

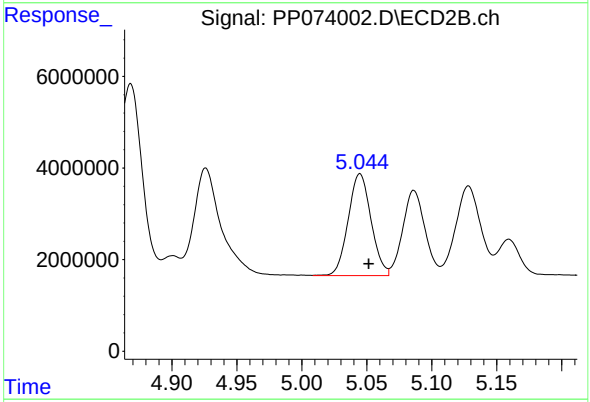
R.T.: 4.868 min
Delta R.T.: -0.007 min
Response: 50923060
Conc: 499.81 ng/ml



#5 AR-1016-3

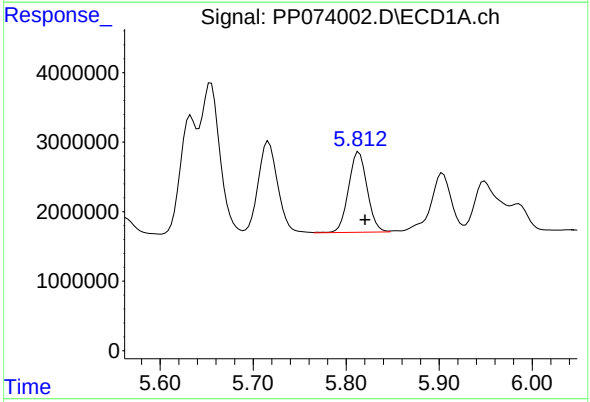
R.T.: 5.717 min
Delta R.T.: -0.006 min
Response: 19252218
Conc: 440.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



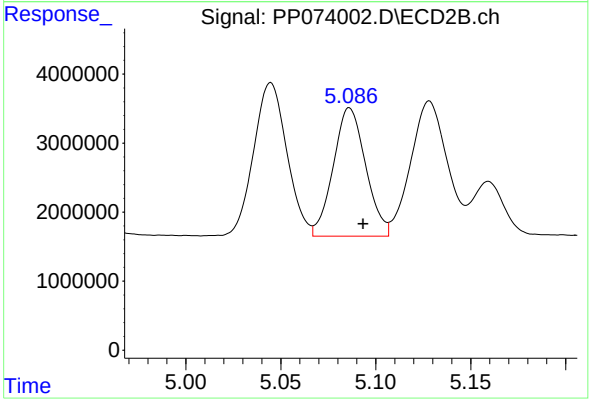
#5 AR-1016-3

R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 27240841
Conc: 503.47 ng/ml



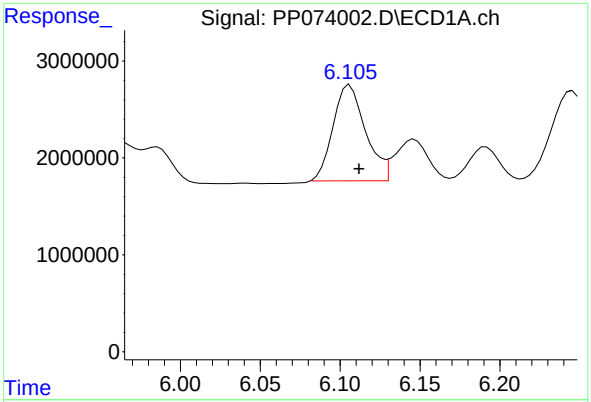
#6 AR-1016-4

R.T.: 5.814 min
Delta R.T.: -0.006 min
Response: 16090510
Conc: 447.64 ng/ml



#6 AR-1016-4

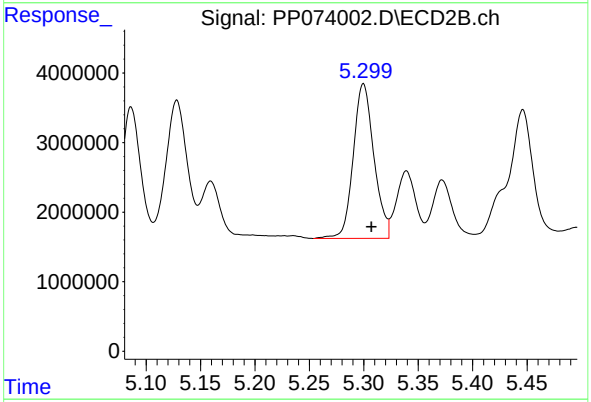
R.T.: 5.086 min
Delta R.T.: -0.007 min
Response: 22133580
Conc: 504.40 ng/ml



#7 AR-1016-5

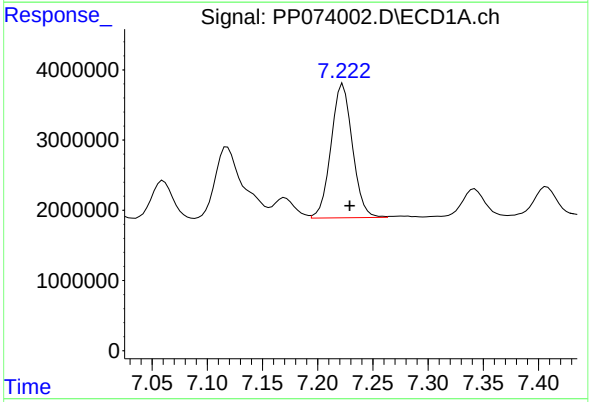
R.T.: 6.106 min
Delta R.T.: -0.006 min
Response: 14024771
Conc: 447.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



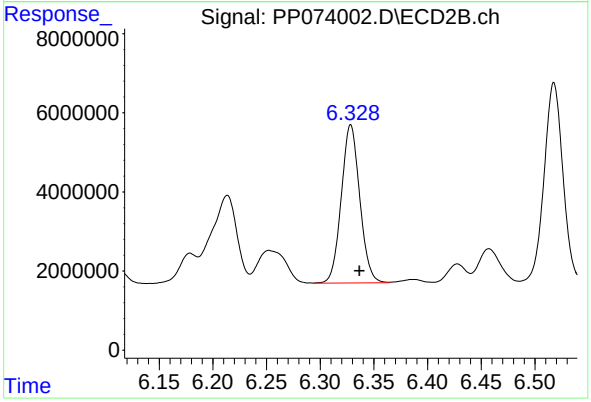
#7 AR-1016-5

R.T.: 5.300 min
Delta R.T.: -0.007 min
Response: 29388405
Conc: 538.42 ng/ml



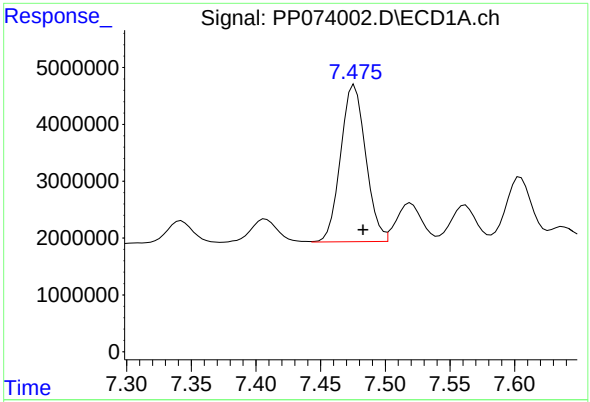
#31 AR-1260-1

R.T.: 7.223 min
Delta R.T.: -0.006 min
Response: 25733643
Conc: 436.45 ng/ml



#31 AR-1260-1

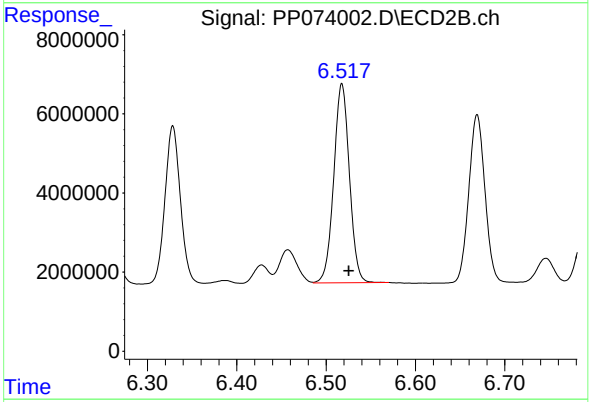
R.T.: 6.328 min
Delta R.T.: -0.008 min
Response: 47943599
Conc: 491.43 ng/ml



#32 AR-1260-2

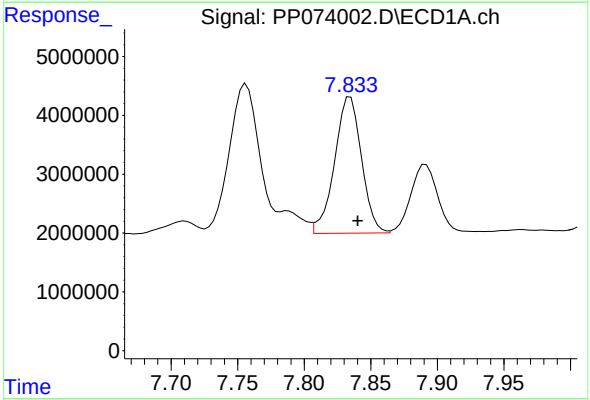
R.T.: 7.476 min
Delta R.T.: -0.006 min
Response: 37205677
Conc: 388.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



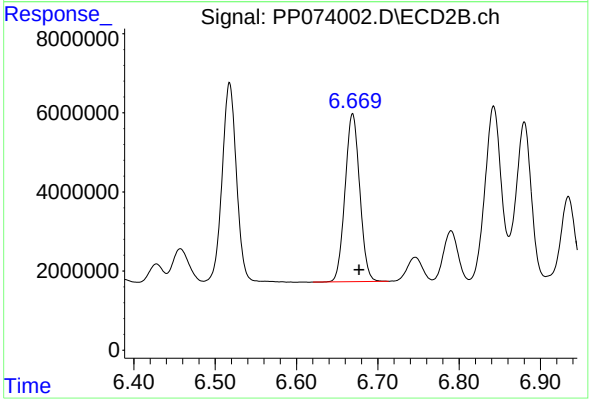
#32 AR-1260-2

R.T.: 6.518 min
Delta R.T.: -0.007 min
Response: 61251085
Conc: 498.63 ng/ml



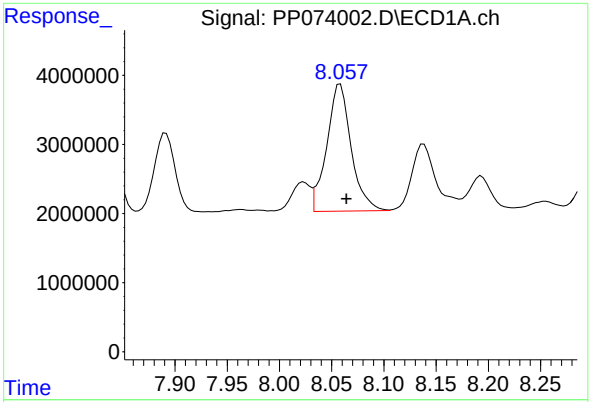
#33 AR-1260-3

R.T.: 7.835 min
Delta R.T.: -0.006 min
Response: 32630488
Conc: 446.56 ng/ml



#33 AR-1260-3

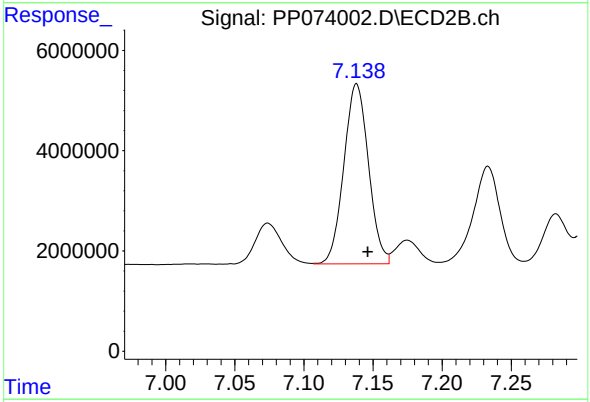
R.T.: 6.669 min
Delta R.T.: -0.008 min
Response: 53247386
Conc: 486.44 ng/ml



#34 AR-1260-4

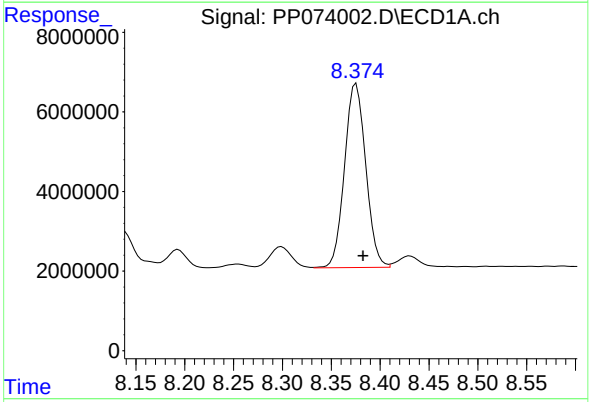
R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 29855389
Conc: 457.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



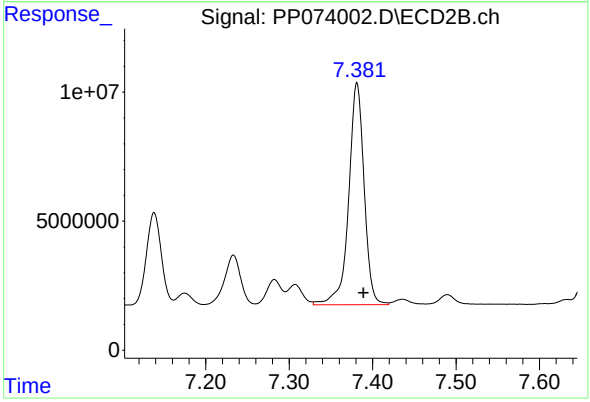
#34 AR-1260-4

R.T.: 7.138 min
Delta R.T.: -0.008 min
Response: 44588741
Conc: 498.71 ng/ml



#35 AR-1260-5

R.T.: 8.375 min
Delta R.T.: -0.007 min
Response: 69882878
Conc: 463.25 ng/ml



#35 AR-1260-5

R.T.: 7.381 min
Delta R.T.: -0.008 min
Response: 110635763
Conc: 492.29 ng/ml

Raw Data: **PQ070581.D**

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.:** Q2638

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 12:53 **Initial Calibration Time(s):** 02:59 09:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.49	4.48	4.38	4.58	-0.01
Aroclor-1016-2	(2)	4.51	4.50	4.40	4.60	-0.01
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.94	4.93	4.83	5.03	-0.01
Aroclor-1260-1	(1)	6.03	6.02	5.92	6.12	-0.01
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.41	3.40	3.30	3.50	-0.01
Decachlorobiphenyl		8.51	8.50	8.40	8.60	-0.01

Raw Data: **PQ070581.D**

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.:** Q2638

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 12:53 **Initial Calibration Time(s):** 02:59 09:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.80	3.80	3.70	3.90	0.00
Aroclor-1016-3	(3)	3.96	3.96	3.86	4.06	0.00
Aroclor-1016-4	(4)	4.01	4.01	3.91	4.11	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.53	5.52	5.42	5.62	-0.01
Aroclor-1260-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1260-5	(5)	6.23	6.23	6.13	6.33	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.54	7.54	7.44	7.64	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.:** Q2638

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ070581.D **Time Analyzed:** 12:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.487	4.383	4.583	461.200	500.000	-7.8
Aroclor-1016-2	4.506	4.402	4.602	460.220	500.000	-8.0
Aroclor-1016-3	4.564	4.460	4.660	467.240	500.000	-6.6
Aroclor-1016-4	4.653	4.550	4.750	466.570	500.000	-6.7
Aroclor-1016-5	4.938	4.834	5.034	460.670	500.000	-7.9
Aroclor-1260-1	6.027	5.923	6.123	452.340	500.000	-9.5
Aroclor-1260-2	6.283	6.180	6.380	444.670	500.000	-11.1
Aroclor-1260-3	6.634	6.531	6.731	445.720	500.000	-10.9
Aroclor-1260-4	6.848	6.745	6.945	451.190	500.000	-9.8
Aroclor-1260-5	7.154	7.050	7.250	443.530	500.000	-11.3
Decachlorobiphenyl	8.506	8.399	8.599	44.370	50.000	-11.3
Tetrachloro-m-xylene	3.407	3.303	3.503	47.770	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.:** Q2638

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ070581.D **Time Analyzed:** 12:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.781	3.681	3.881	446.600	500.000	-10.7
Aroclor-1016-2	3.797	3.697	3.897	451.050	500.000	-9.8
Aroclor-1016-3	3.957	3.857	4.057	450.610	500.000	-9.9
Aroclor-1016-4	4.006	3.906	4.106	452.780	500.000	-9.4
Aroclor-1016-5	4.201	4.101	4.301	460.630	500.000	-7.9
Aroclor-1260-1	5.194	5.094	5.294	440.340	500.000	-11.9
Aroclor-1260-2	5.384	5.284	5.484	437.780	500.000	-12.4
Aroclor-1260-3	5.525	5.424	5.624	442.160	500.000	-11.6
Aroclor-1260-4	5.985	5.885	6.085	438.090	500.000	-12.4
Aroclor-1260-5	6.229	6.129	6.329	443.540	500.000	-11.3
Decachlorobiphenyl	7.541	7.440	7.640	43.560	50.000	-12.9
Tetrachloro-m-xylene	2.780	2.680	2.880	46.530	50.000	-6.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:53
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 06:58:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.407	2.780	419.6E6	464.3E6	47.770	46.527
2)	SA Decachlor...	8.506	7.541	217.5E6	380.6E6	44.365	43.563
	Target Compounds						
3)	L1 AR-1016-1	4.487	3.781	127.6E6	149.1E6	461.197	446.604
4)	L1 AR-1016-2	4.506	3.797	195.9E6	222.2E6	460.219	451.050
5)	L1 AR-1016-3	4.564	3.957	123.9E6	123.9E6	467.237	450.606
6)	L1 AR-1016-4	4.653	4.006	101.0E6	109.2E6	466.570	452.785
7)	L1 AR-1016-5	4.938	4.201	98533904	129.7E6	460.667	460.628
31)	L7 AR-1260-1	6.027	5.194	164.5E6	224.7E6	452.343	440.338
32)	L7 AR-1260-2	6.283	5.384	189.1E6	263.8E6	444.668	437.784
33)	L7 AR-1260-3	6.634	5.525	142.6E6	255.0E6	445.721	442.155
34)	L7 AR-1260-4	6.848	5.985	156.4E6	208.3E6	451.192	438.090
35)	L7 AR-1260-5	7.154	6.229	298.0E6	484.3E6	443.534	443.536

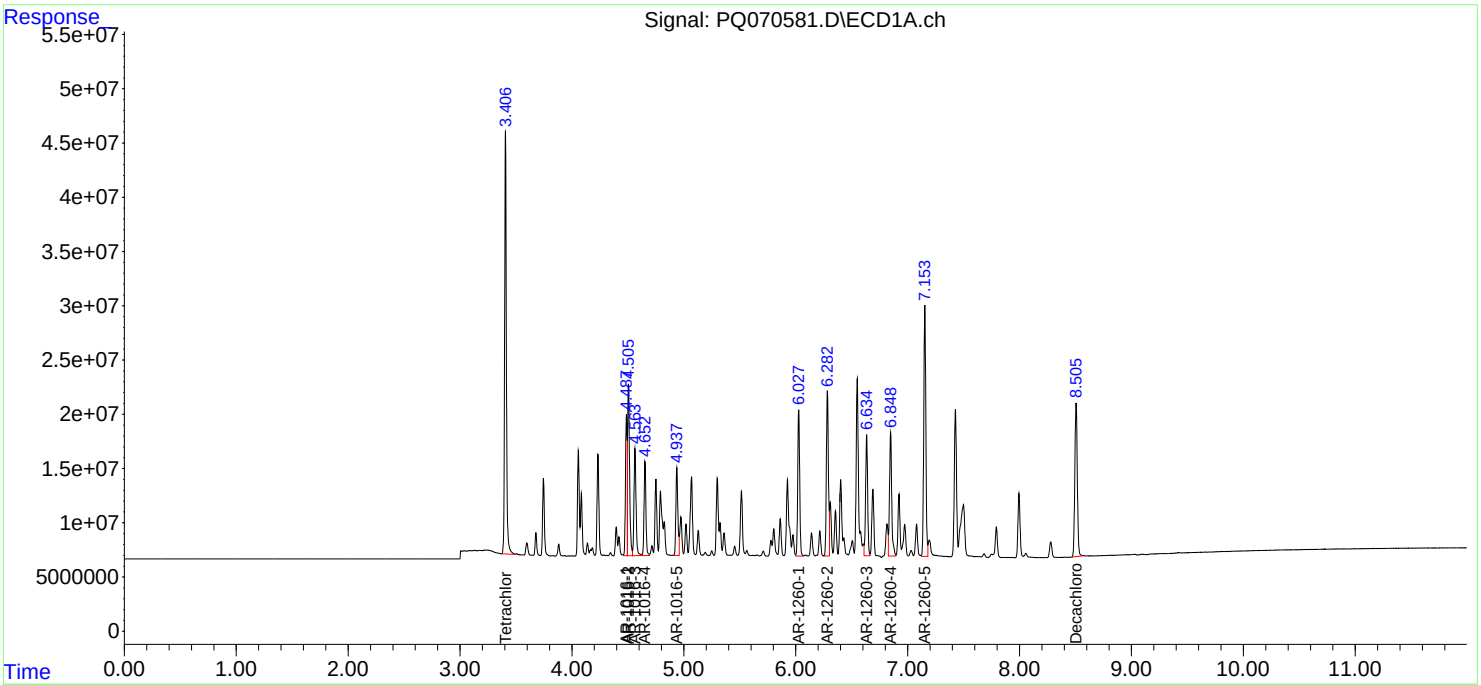
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

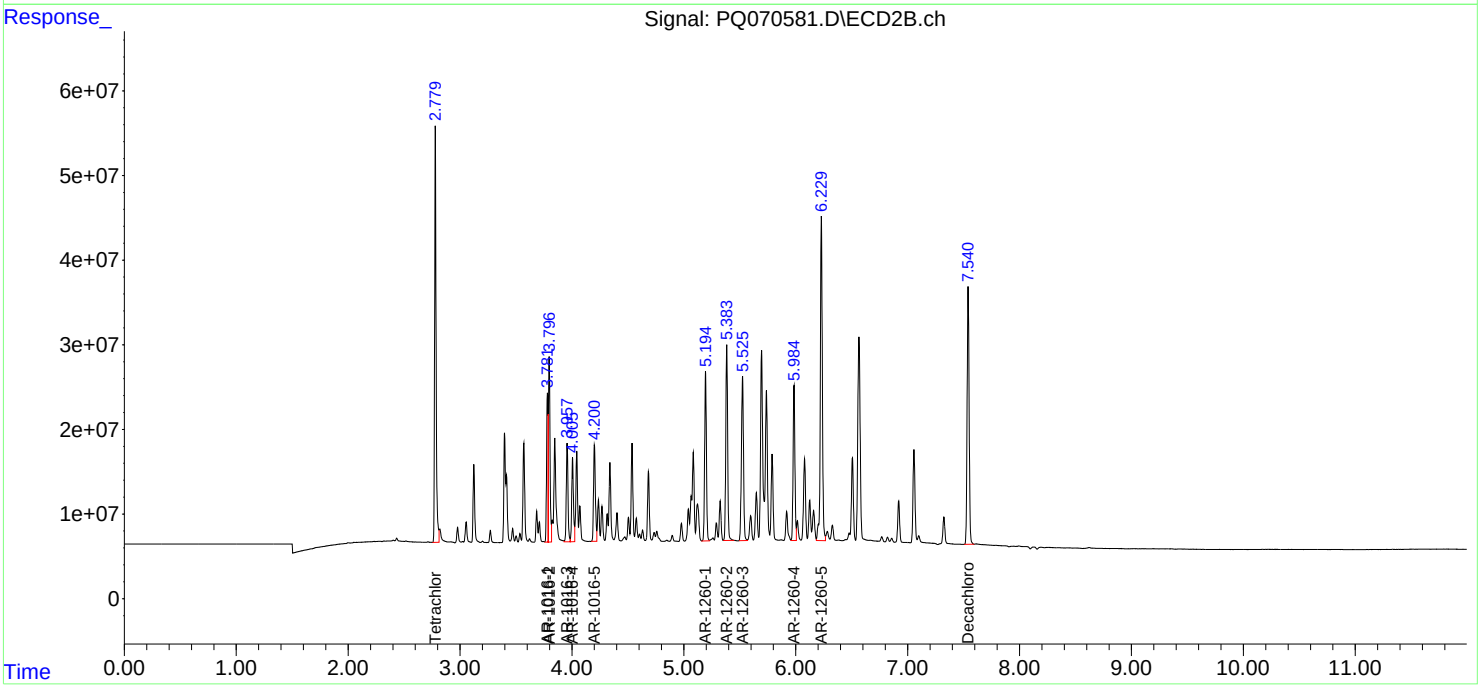
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:53
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

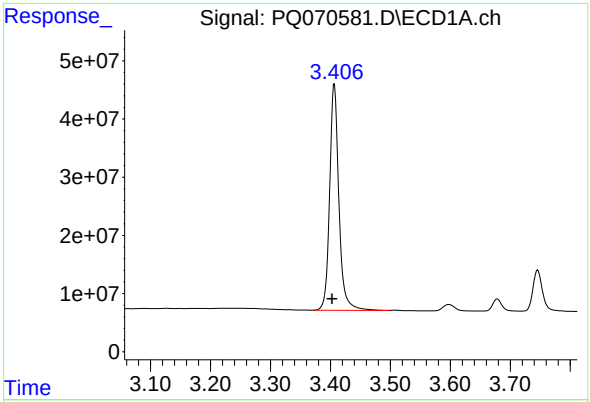
Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 06:58:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



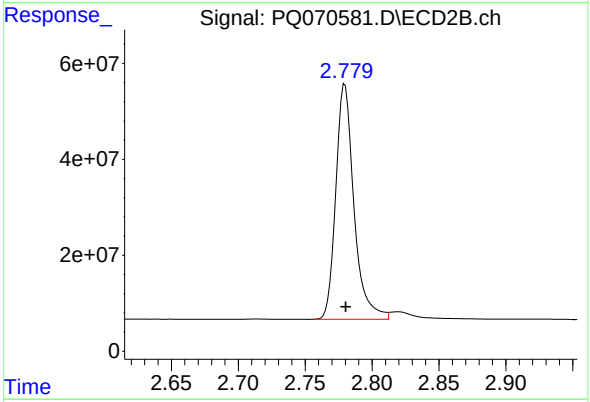




#1 Tetrachloro-m-xylene

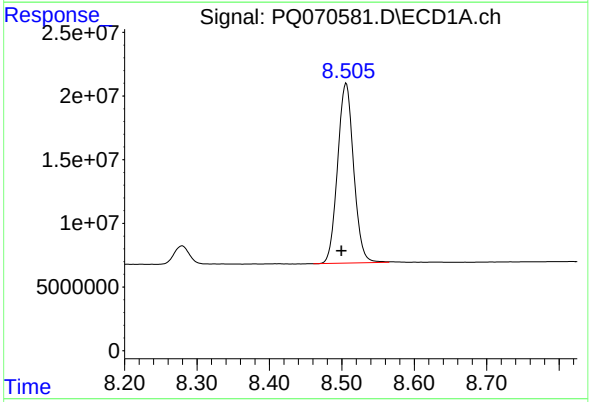
R.T.: 3.407 min
Delta R.T.: 0.004 min
Response: 419631306
Conc: 47.77 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



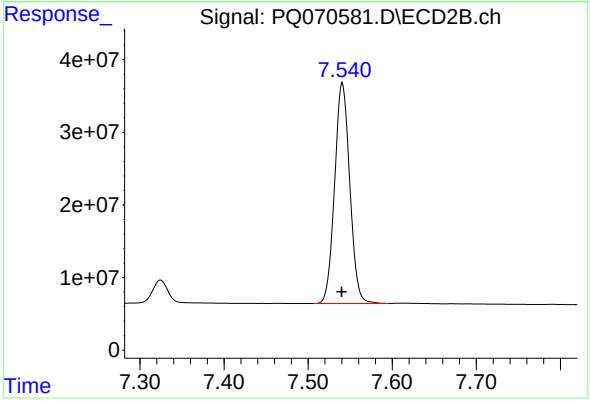
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 464291675
Conc: 46.53 ng/ml



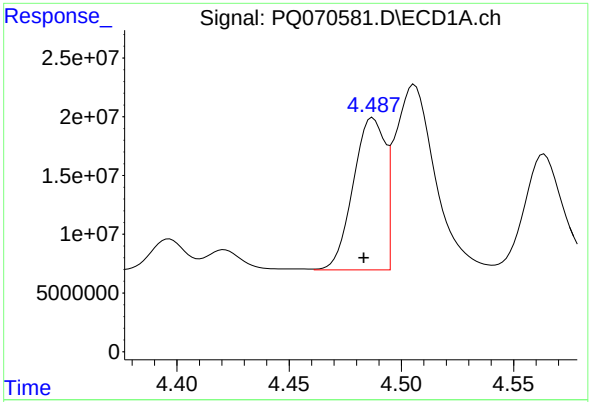
#2 Decachlorobiphenyl

R.T.: 8.506 min
Delta R.T.: 0.007 min
Response: 217549665
Conc: 44.37 ng/ml



#2 Decachlorobiphenyl

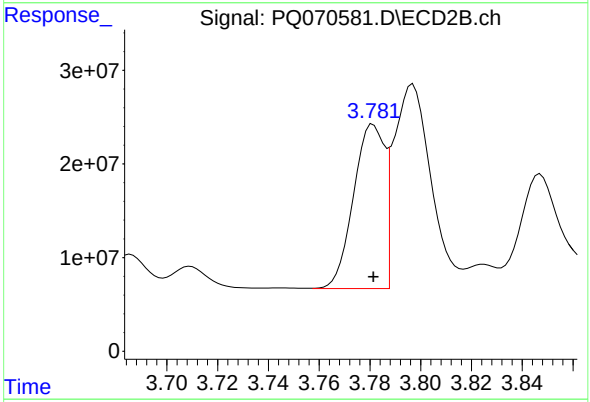
R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 380582633
Conc: 43.56 ng/ml



#3 AR-1016-1

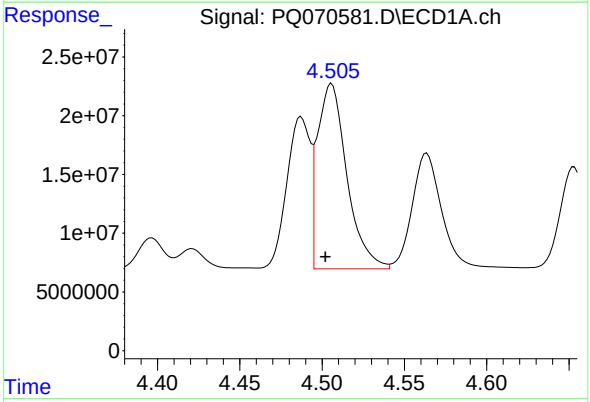
R.T.: 4.487 min
Delta R.T.: 0.004 min
Response: 127618374
Conc: 461.20 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



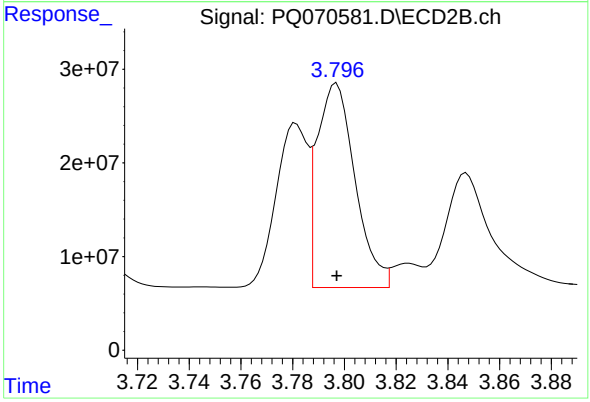
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 149098984
Conc: 446.60 ng/ml



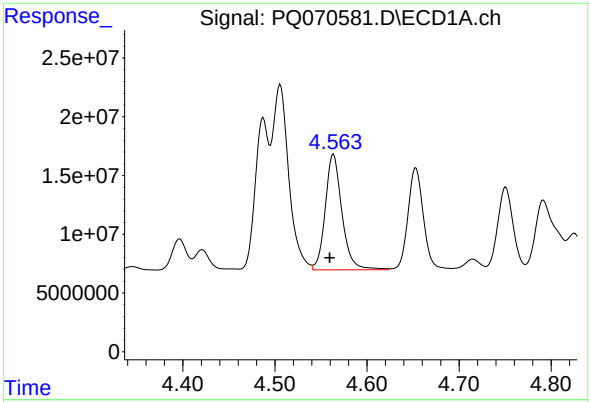
#4 AR-1016-2

R.T.: 4.506 min
Delta R.T.: 0.004 min
Response: 195895552
Conc: 460.22 ng/ml



#4 AR-1016-2

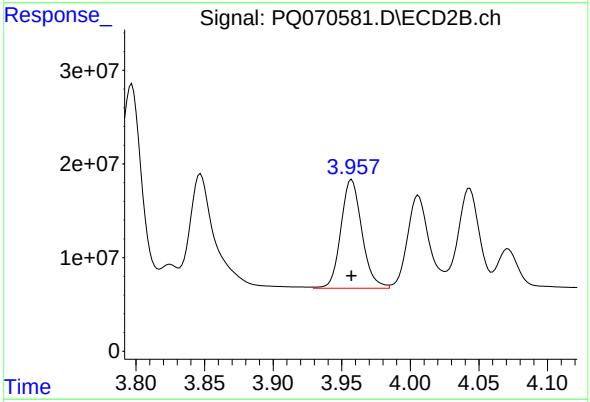
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 222153014
Conc: 451.05 ng/ml



#5 AR-1016-3

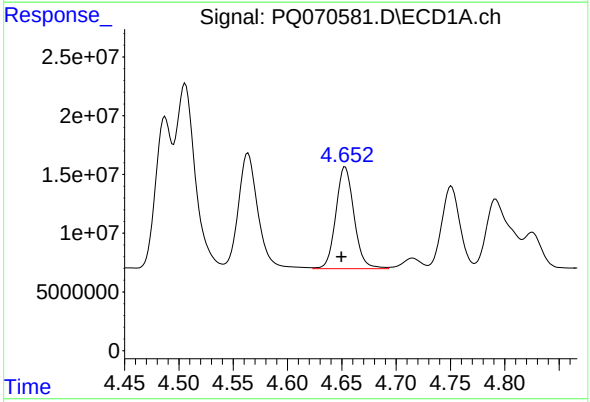
R.T.: 4.564 min
Delta R.T.: 0.004 min
Response: 123857035
Conc: 467.24 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



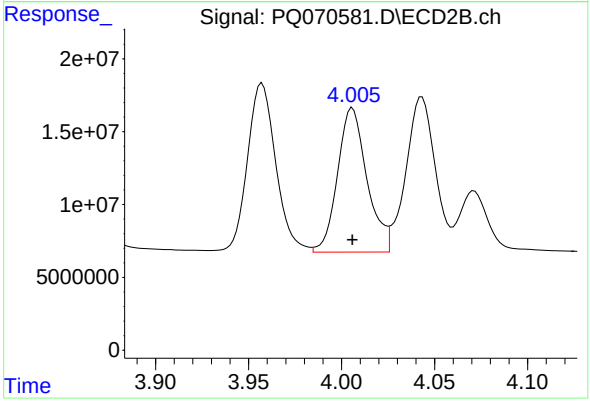
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 123930756
Conc: 450.61 ng/ml



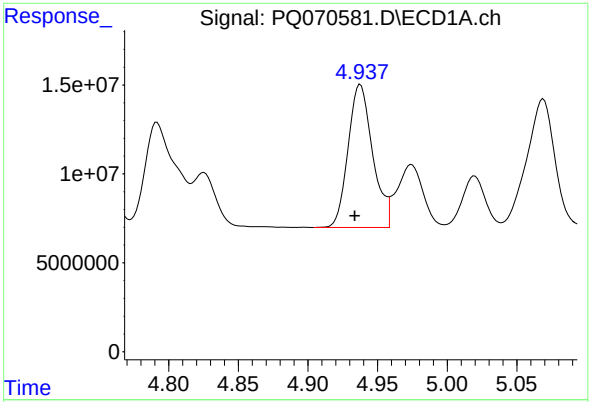
#6 AR-1016-4

R.T.: 4.653 min
Delta R.T.: 0.003 min
Response: 100993455
Conc: 466.57 ng/ml



#6 AR-1016-4

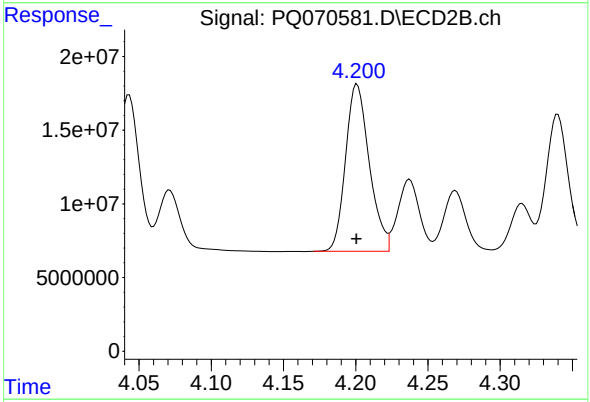
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 109165796
Conc: 452.78 ng/ml



#7 AR-1016-5

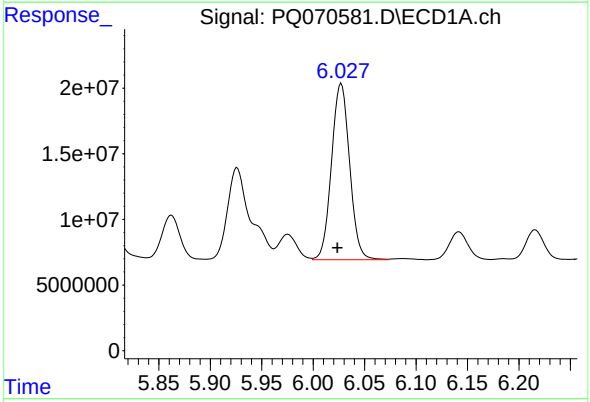
R.T.: 4.938 min
Delta R.T.: 0.004 min
Response: 98533904
Conc: 460.67 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



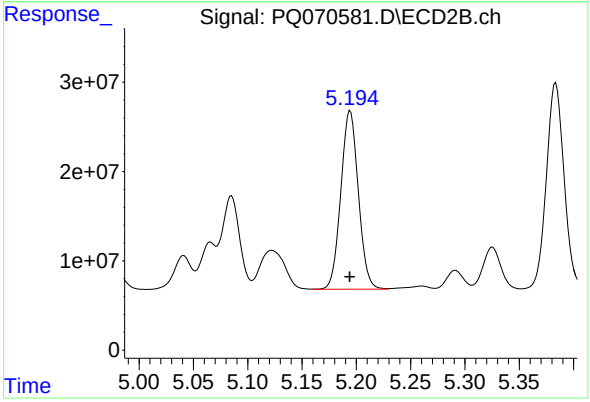
#7 AR-1016-5

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 129727871
Conc: 460.63 ng/ml



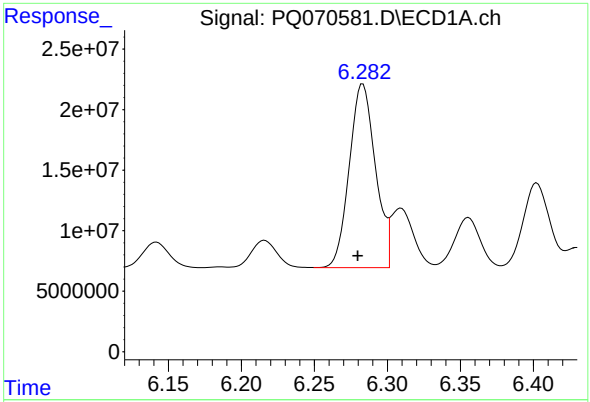
#31 AR-1260-1

R.T.: 6.027 min
Delta R.T.: 0.004 min
Response: 164479396
Conc: 452.34 ng/ml



#31 AR-1260-1

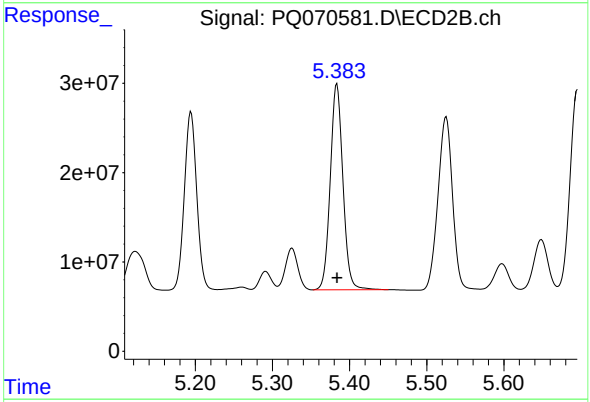
R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 224663154
Conc: 440.34 ng/ml



#32 AR-1260-2

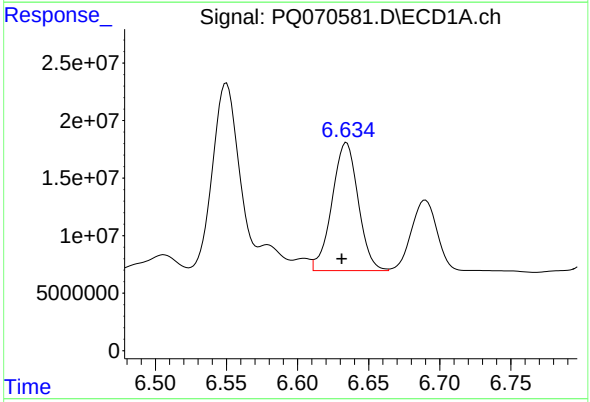
R.T.: 6.283 min
Delta R.T.: 0.004 min
Response: 189109684
Conc: 444.67 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



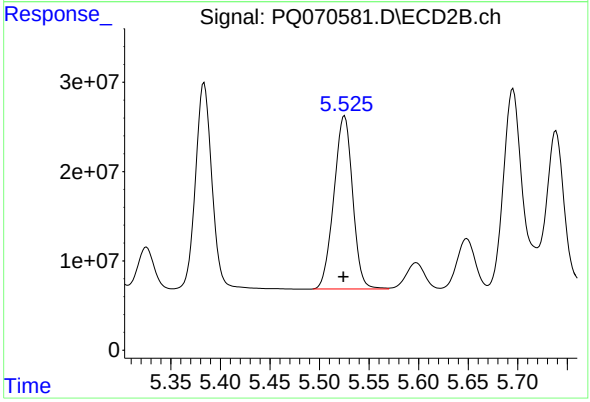
#32 AR-1260-2

R.T.: 5.384 min
Delta R.T.: 0.000 min
Response: 263793440
Conc: 437.78 ng/ml



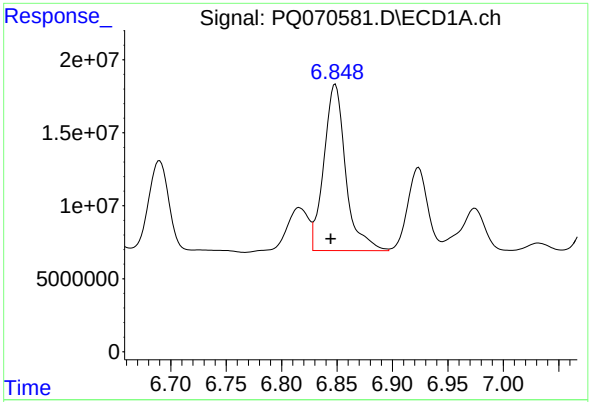
#33 AR-1260-3

R.T.: 6.634 min
Delta R.T.: 0.003 min
Response: 142638888
Conc: 445.72 ng/ml



#33 AR-1260-3

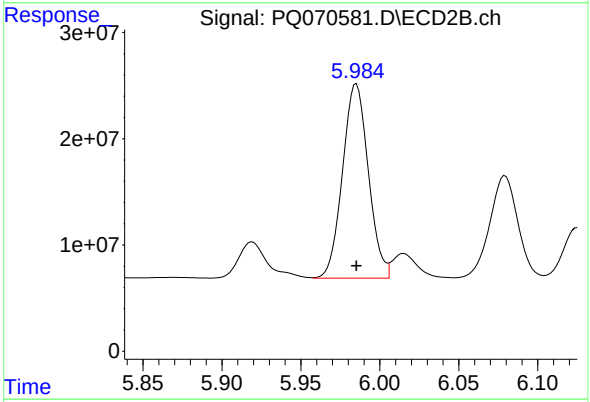
R.T.: 5.525 min
Delta R.T.: 0.000 min
Response: 254982017
Conc: 442.16 ng/ml



#34 AR-1260-4

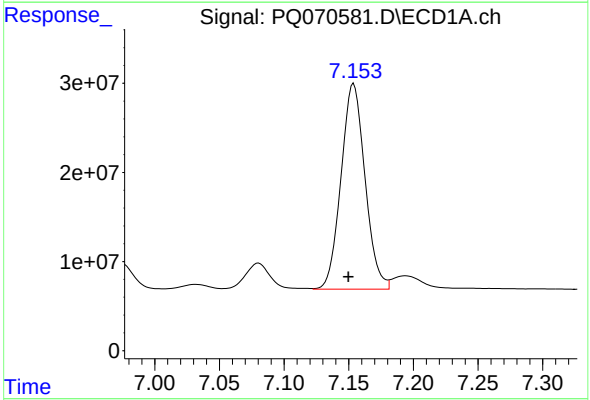
R.T.: 6.848 min
Delta R.T.: 0.004 min
Response: 156421228
Conc: 451.19 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



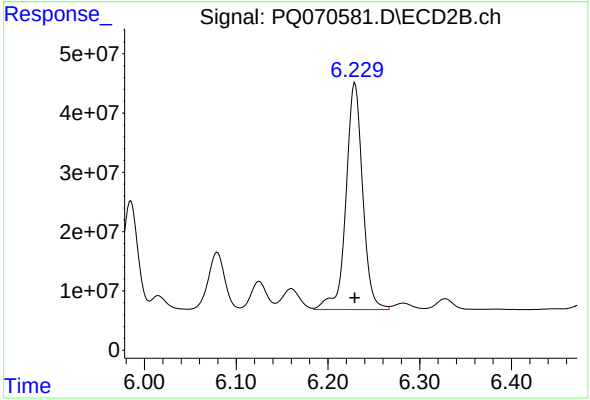
#34 AR-1260-4

R.T.: 5.985 min
Delta R.T.: 0.000 min
Response: 208337099
Conc: 438.09 ng/ml



#35 AR-1260-5

R.T.: 7.154 min
Delta R.T.: 0.004 min
Response: 298031182
Conc: 443.53 ng/ml



#35 AR-1260-5

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 484313592
Conc: 443.54 ng/ml

Raw Data: **PQ070596.D**

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.:** Q2638

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 17:15 **Initial Calibration Time(s):** 02:59 09:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.94	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

Raw Data: **PQ070596.D**

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.:** Q2638

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 17:15 **Initial Calibration Time(s):** 02:59 09:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.80	3.80	3.70	3.90	0.00
Aroclor-1016-3	(3)	3.96	3.96	3.86	4.06	0.00
Aroclor-1016-4	(4)	4.01	4.01	3.91	4.11	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.99	5.89	6.09	0.01
Aroclor-1260-5	(5)	6.23	6.23	6.13	6.33	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.54	7.54	7.44	7.64	0.00

Raw Data: **PQ070596.D**

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.:** Q2638

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ070596.D **Time Analyzed:** 17:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.484	4.383	4.583	536.950	500.000	7.4
Aroclor-1016-2	4.502	4.402	4.602	540.570	500.000	8.1
Aroclor-1016-3	4.561	4.460	4.660	537.220	500.000	7.4
Aroclor-1016-4	4.650	4.550	4.750	542.630	500.000	8.5
Aroclor-1016-5	4.935	4.834	5.034	541.900	500.000	8.4
Aroclor-1260-1	6.024	5.923	6.123	546.090	500.000	9.2
Aroclor-1260-2	6.280	6.180	6.380	547.460	500.000	9.5
Aroclor-1260-3	6.632	6.531	6.731	541.020	500.000	8.2
Aroclor-1260-4	6.846	6.745	6.945	548.320	500.000	9.7
Aroclor-1260-5	7.151	7.050	7.250	557.110	500.000	11.4
Decachlorobiphenyl	8.503	8.399	8.599	52.230	50.000	4.5
Tetrachloro-m-xylene	3.403	3.303	3.503	52.280	50.000	4.6

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.:** Q2638

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ070596.D **Time Analyzed:** 17:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.781	3.681	3.881	502.200	500.000	0.4
Aroclor-1016-2	3.797	3.697	3.897	497.340	500.000	-0.5
Aroclor-1016-3	3.957	3.857	4.057	496.470	500.000	-0.7
Aroclor-1016-4	4.006	3.906	4.106	488.990	500.000	-2.2
Aroclor-1016-5	4.200	4.101	4.301	507.770	500.000	1.6
Aroclor-1260-1	5.194	5.094	5.294	495.470	500.000	-0.9
Aroclor-1260-2	5.383	5.284	5.484	496.100	500.000	-0.8
Aroclor-1260-3	5.524	5.424	5.624	494.570	500.000	-1.1
Aroclor-1260-4	5.984	5.885	6.085	490.840	500.000	-1.8
Aroclor-1260-5	6.228	6.129	6.329	512.010	500.000	2.4
Decachlorobiphenyl	7.540	7.440	7.640	47.110	50.000	-5.8
Tetrachloro-m-xylene	2.780	2.680	2.880	48.370	50.000	-3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:15
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:03:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	459.2E6	482.7E6	52.276	48.374
2)	SA Decachlor...	8.503	7.540	256.1E6	411.6E6	52.231	47.111
	Target Compounds						
3)	L1 AR-1016-1	4.484	3.781	148.6E6	167.7E6	536.949	502.201
4)	L1 AR-1016-2	4.502	3.797	230.1E6	245.0E6	540.567	497.338
5)	L1 AR-1016-3	4.561	3.957	142.4E6	136.5E6	537.218	496.470
6)	L1 AR-1016-4	4.650	4.006	117.5E6	117.9E6	542.628	488.989
7)	L1 AR-1016-5	4.935	4.200	115.9E6	143.0E6	541.898	507.769
31)	L7 AR-1260-1	6.024	5.194	198.6E6	252.8E6	546.095	495.467
32)	L7 AR-1260-2	6.280	5.383	232.8E6	298.9E6	547.459	496.098
33)	L7 AR-1260-3	6.632	5.524	173.1E6	285.2E6	541.019	494.567
34)	L7 AR-1260-4	6.846	5.984	190.1E6	233.4E6	548.318	490.840
35)	L7 AR-1260-5	7.151	6.228	374.4E6	559.1E6	557.113	512.007

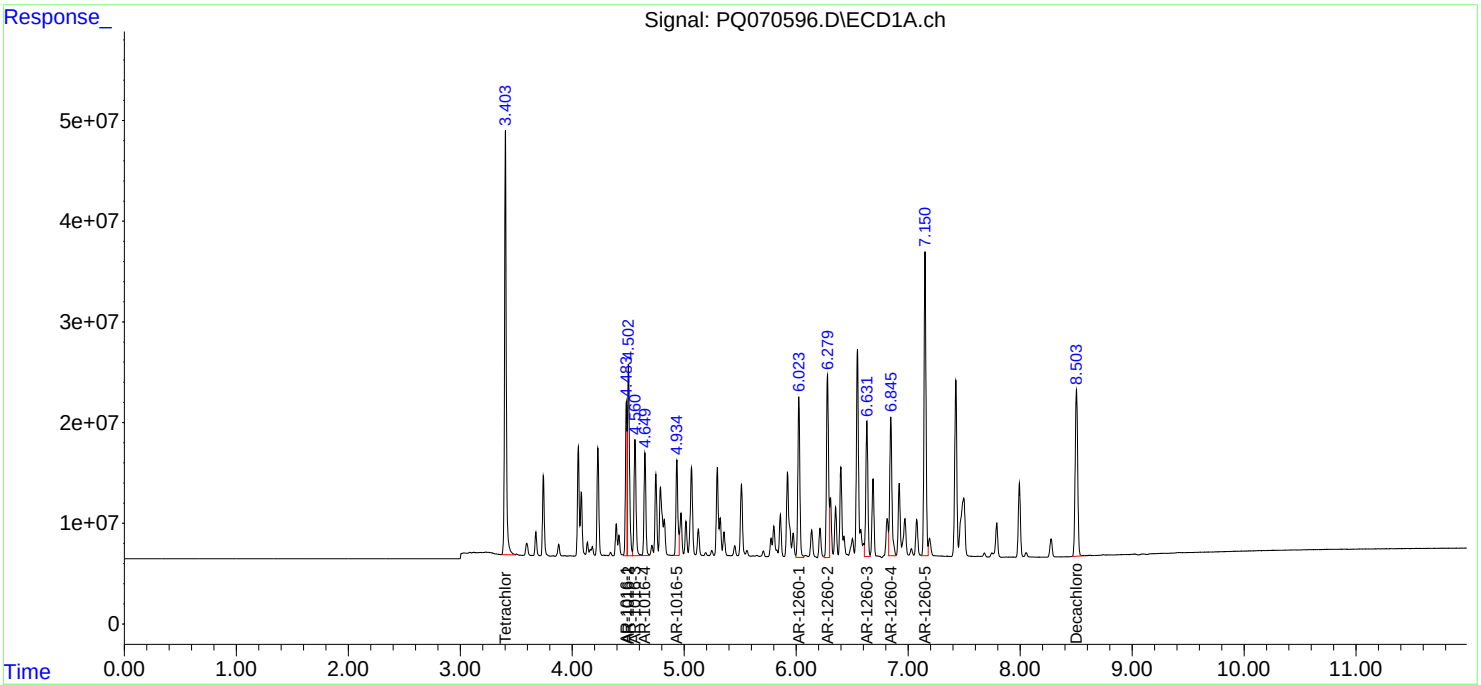
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

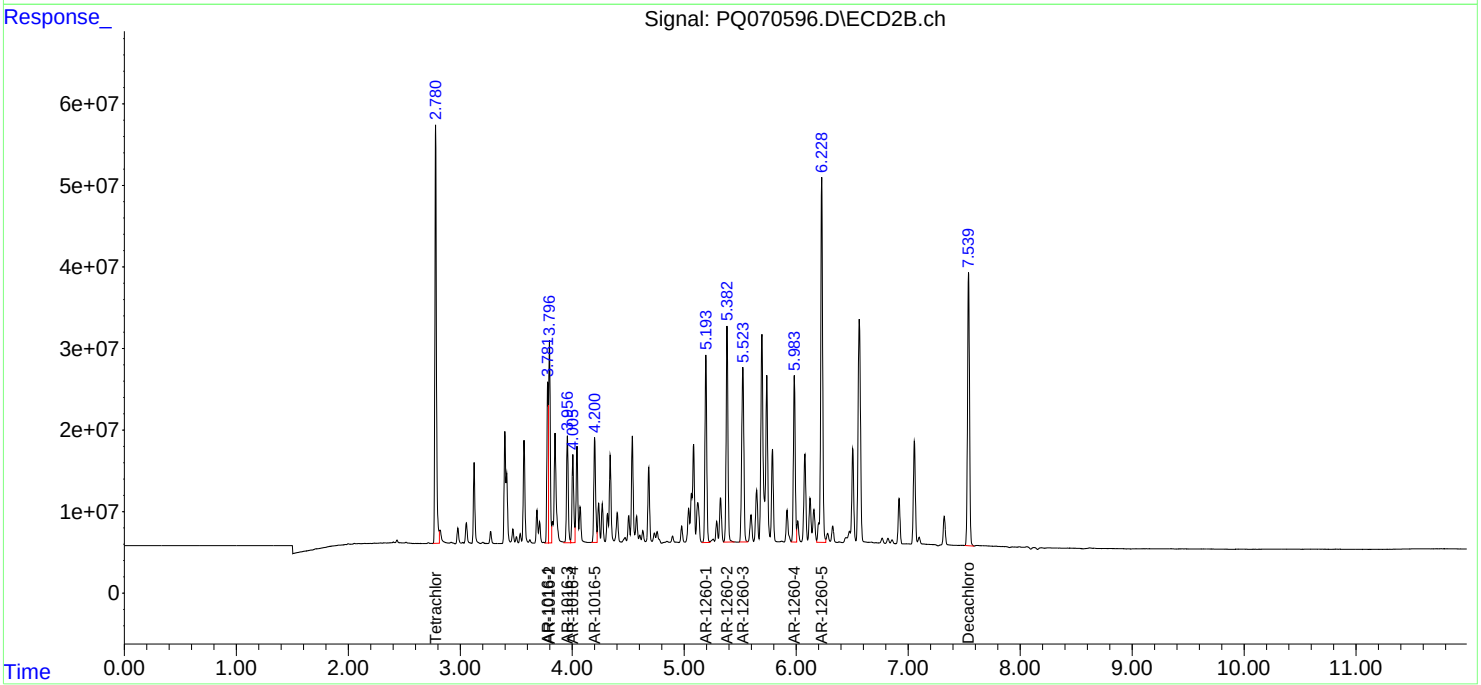
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:15
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

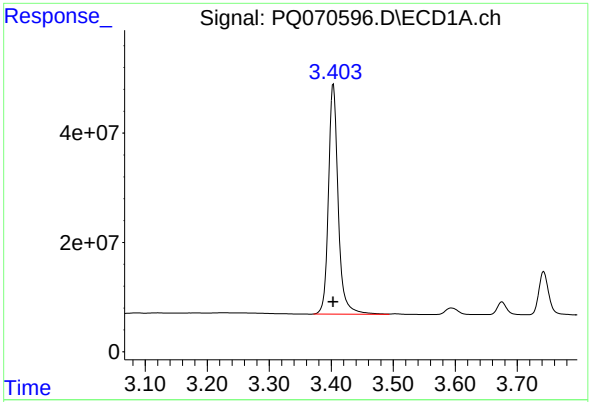
Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:03:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



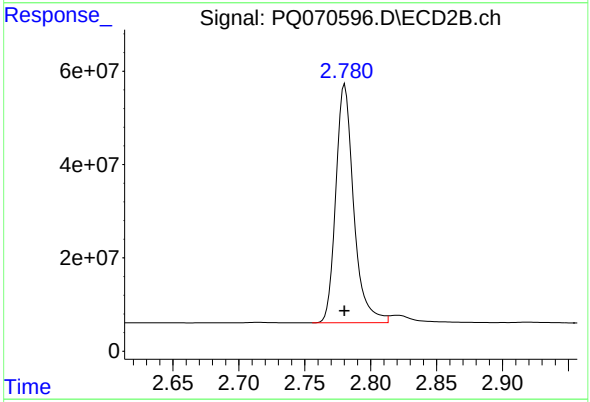




#1 Tetrachloro-m-xylene

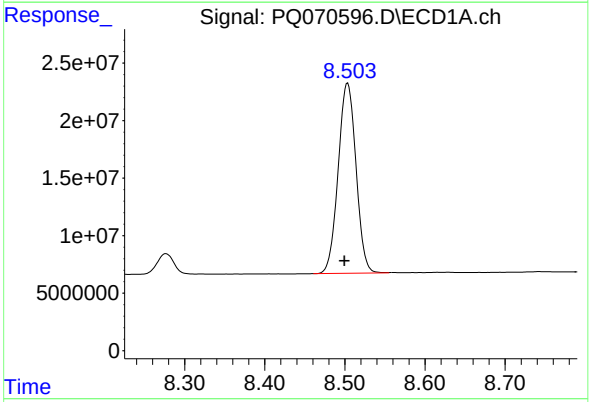
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 459214084
Conc: 52.28 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



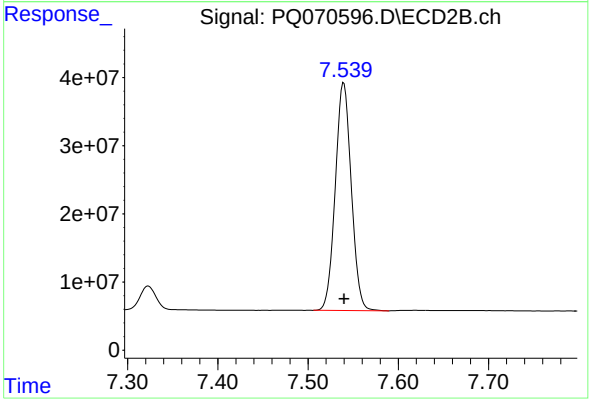
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 482716035
Conc: 48.37 ng/ml



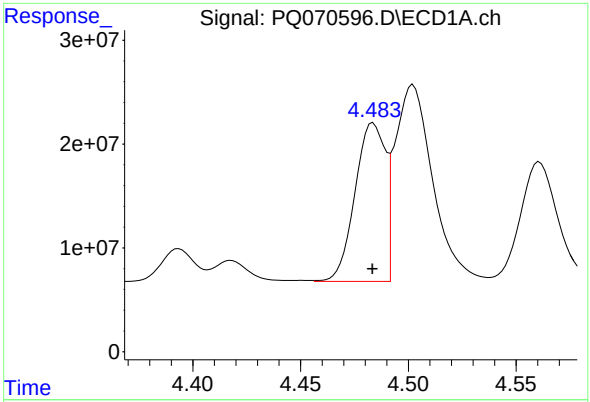
#2 Decachlorobiphenyl

R.T.: 8.503 min
Delta R.T.: 0.004 min
Response: 256123060
Conc: 52.23 ng/ml



#2 Decachlorobiphenyl

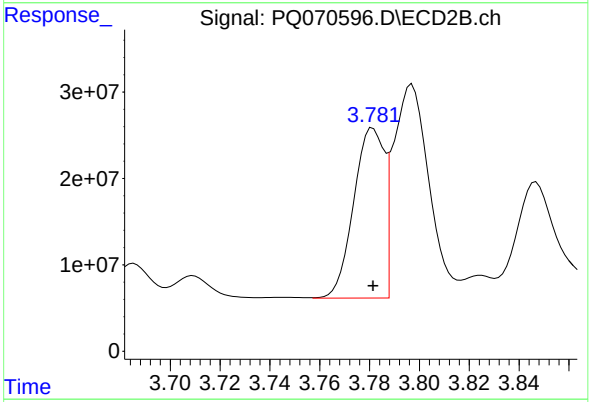
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 411575806
Conc: 47.11 ng/ml



#3 AR-1016-1

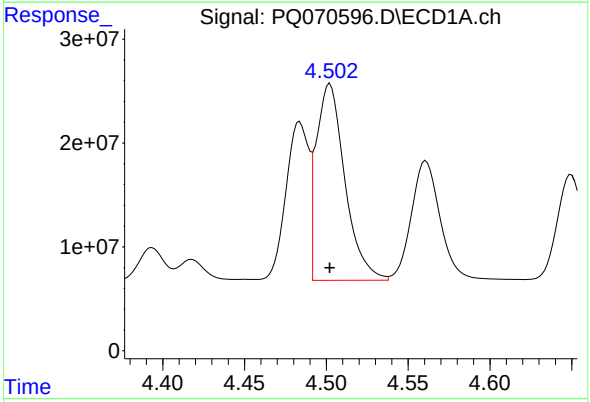
R.T.: 4.484 min
Delta R.T.: 0.000 min
Response: 148580035
Conc: 536.95 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



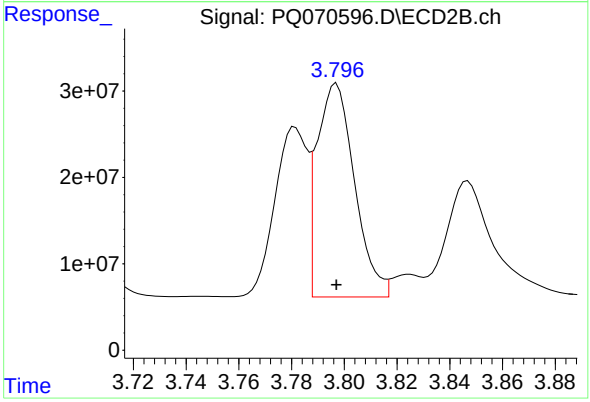
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 167659818
Conc: 502.20 ng/ml



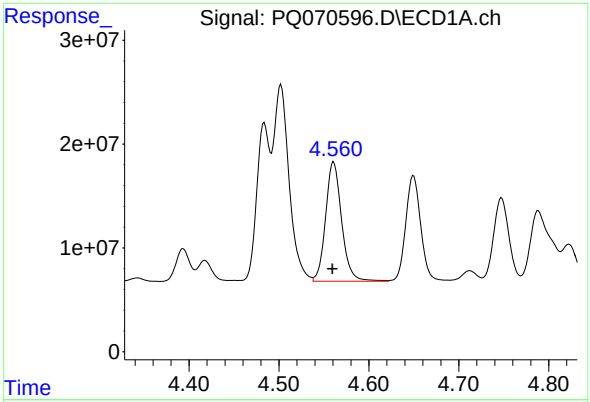
#4 AR-1016-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 230096286
Conc: 540.57 ng/ml



#4 AR-1016-2

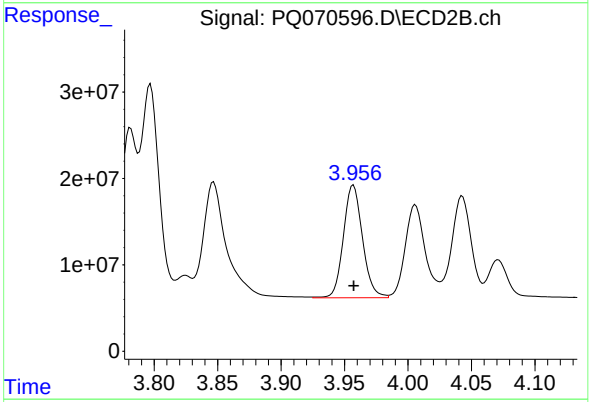
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 244951347
Conc: 497.34 ng/ml



#5 AR-1016-3

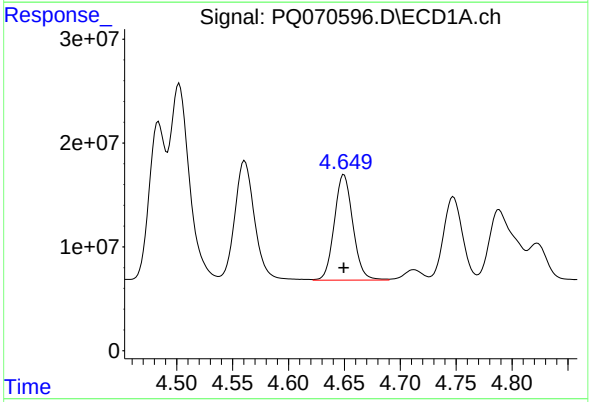
R.T.: 4.561 min
Delta R.T.: 0.001 min
Response: 142407832
Conc: 537.22 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



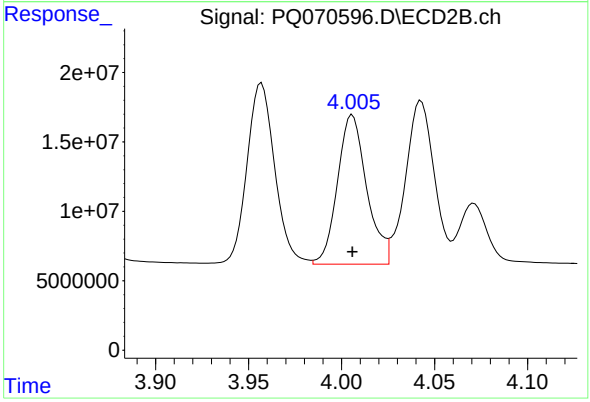
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 136544842
Conc: 496.47 ng/ml



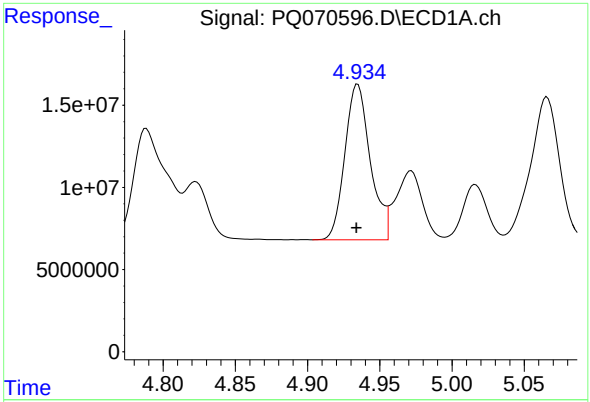
#6 AR-1016-4

R.T.: 4.650 min
Delta R.T.: 0.000 min
Response: 117456895
Conc: 542.63 ng/ml



#6 AR-1016-4

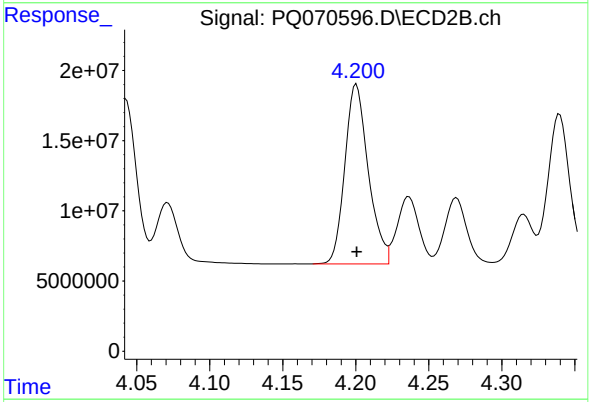
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 117894648
Conc: 488.99 ng/ml



#7 AR-1016-5

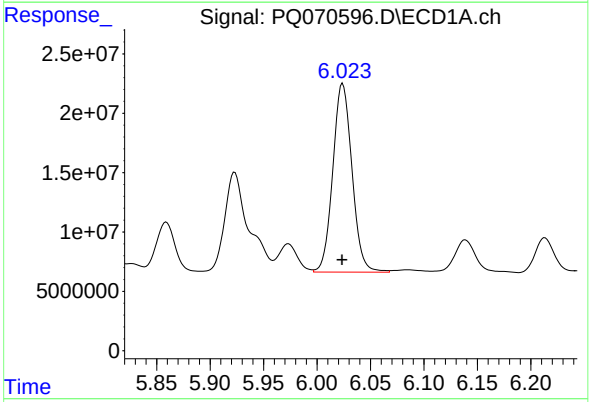
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 115908828
Conc: 541.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



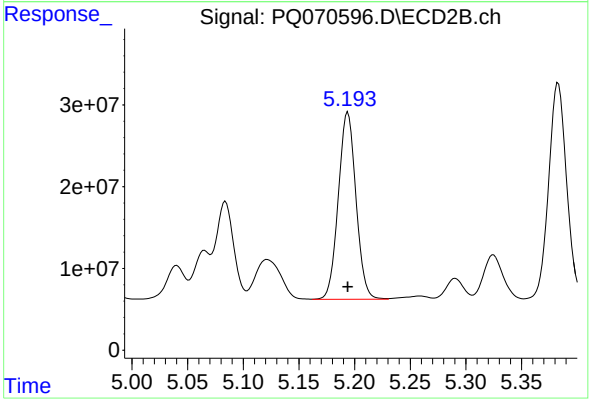
#7 AR-1016-5

R.T.: 4.200 min
Delta R.T.: 0.000 min
Response: 143004457
Conc: 507.77 ng/ml



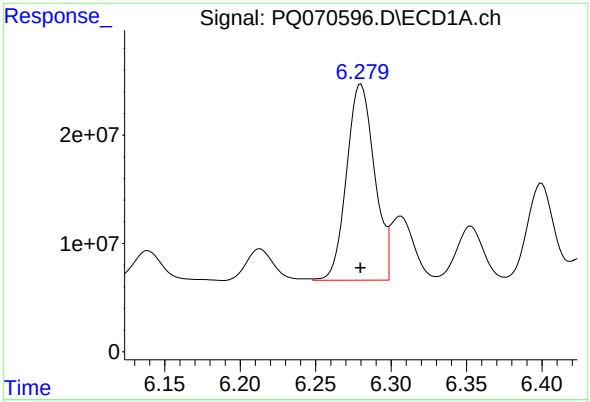
#31 AR-1260-1

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 198568929
Conc: 546.09 ng/ml



#31 AR-1260-1

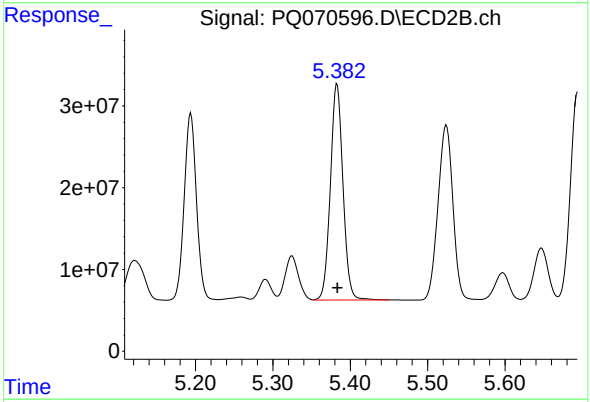
R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 252790041
Conc: 495.47 ng/ml



#32 AR-1260-2

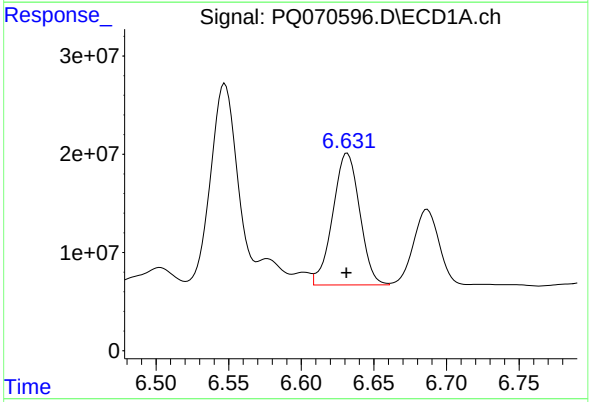
R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 232825321
Conc: 547.46 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



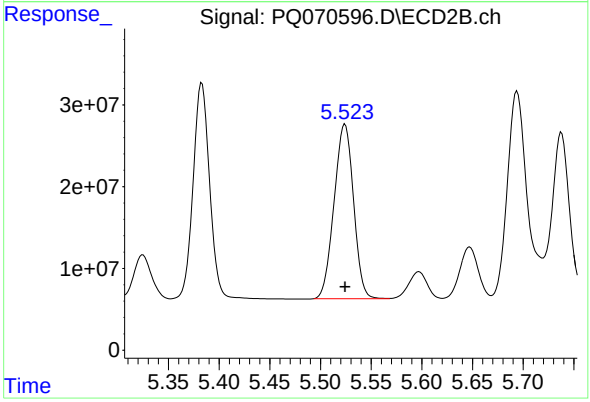
#32 AR-1260-2

R.T.: 5.383 min
Delta R.T.: 0.000 min
Response: 298931629
Conc: 496.10 ng/ml



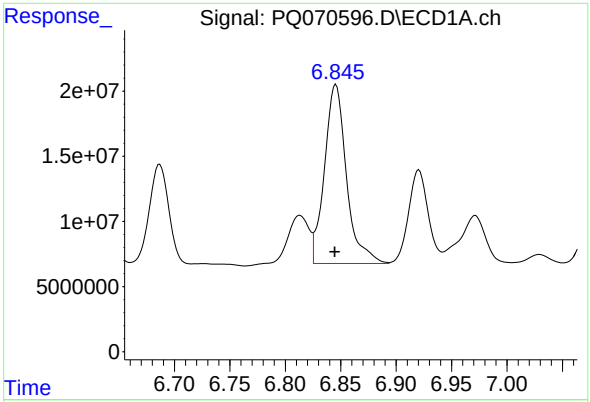
#33 AR-1260-3

R.T.: 6.632 min
Delta R.T.: 0.000 min
Response: 173136078
Conc: 541.02 ng/ml



#33 AR-1260-3

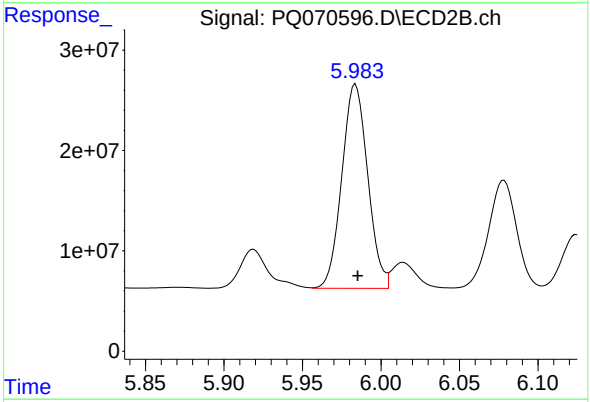
R.T.: 5.524 min
Delta R.T.: 0.000 min
Response: 285207185
Conc: 494.57 ng/ml



#34 AR-1260-4

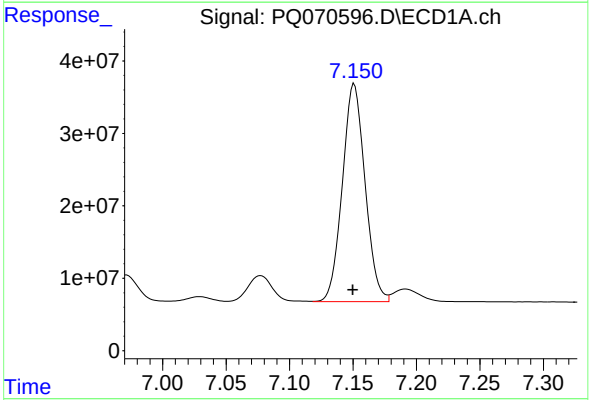
R.T.: 6.846 min
Delta R.T.: 0.001 min
Response: 190092994
Conc: 548.32 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



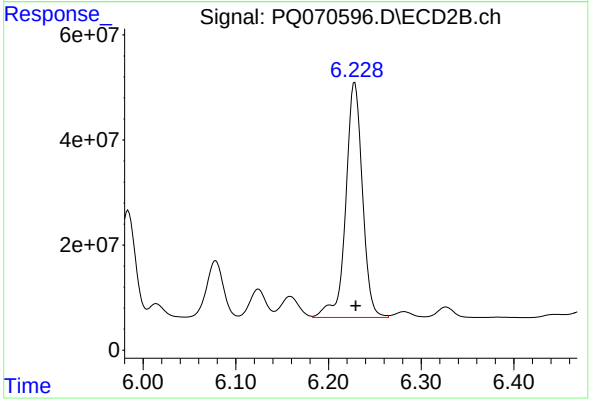
#34 AR-1260-4

R.T.: 5.984 min
Delta R.T.: -0.001 min
Response: 233423168
Conc: 490.84 ng/ml



#35 AR-1260-5

R.T.: 7.151 min
Delta R.T.: 0.001 min
Response: 374350645
Conc: 557.11 ng/ml



#35 AR-1260-5

R.T.: 6.228 min
Delta R.T.: 0.000 min
Response: 559080046
Conc: 512.01 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2638

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	07/21/2025	08:51	PP073972.D	10.17	4.48
I.BLK	I.BLK	07/21/2025	09:56	PP073976.D	10.17	4.48
RT2286MS	Q2635-01MS	07/21/2025	13:40	PP073984.D	10.17	4.48
RT2286MSD	Q2635-01MSD	07/21/2025	13:56	PP073985.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/21/2025	15:18	PP073987.D	10.17	4.48
I.BLK	I.BLK	07/21/2025	16:23	PP073991.D	10.17	4.48
PB168927BL	PB168927BL	07/21/2025	16:39	PP073992.D	10.17	4.48
PB168927BS	PB168927BS	07/21/2025	16:56	PP073993.D	10.17	4.49
OU4-TS-33-071725	Q2638-05	07/21/2025	17:45	PP073996.D	10.17	4.49
OU4-TS-35-071725	Q2638-09	07/21/2025	18:18	PP073998.D	10.17	4.48
OU4-TS-36-071725	Q2638-11	07/21/2025	18:34	PP073999.D	10.17	4.49
OU4-TS-37-071725	Q2638-13	07/21/2025	18:50	PP074000.D	10.17	4.48
AR1660CCC500	AR1660CCC500	07/21/2025	20:12	PP074002.D	10.17	4.48

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

Analytical Sequence

I.BLK	I.BLK	07/21/2025	21:34	PP074006.D	10.16	4.48
I.BLK	I.BLK	07/23/2025	02:29	PQ070550.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	07/23/2025	02:59	PQ070551.D	8.50	3.40
AR1660ICC750	AR1660ICC750	07/23/2025	03:13	PQ070552.D	8.50	3.40
AR1660ICC500	AR1660ICC500	07/23/2025	03:28	PQ070553.D	8.50	3.40
AR1660ICC250	AR1660ICC250	07/23/2025	03:42	PQ070554.D	8.50	3.40
AR1660ICC050	AR1660ICC050	07/23/2025	03:57	PQ070555.D	8.50	3.40
AR1221ICC500	AR1221ICC500	07/23/2025	04:15	PQ070556.D	8.51	3.41
AR1232ICC500	AR1232ICC500	07/23/2025	04:29	PQ070557.D	8.50	3.40
AR1242ICC1000	AR1242ICC1000	07/23/2025	04:44	PQ070558.D	8.50	3.40
AR1242ICC750	AR1242ICC750	07/23/2025	04:58	PQ070559.D	8.50	3.40
AR1242ICC500	AR1242ICC500	07/23/2025	05:13	PQ070560.D	8.50	3.40
AR1242ICC250	AR1242ICC250	07/23/2025	05:28	PQ070561.D	8.50	3.40
AR1242ICC050	AR1242ICC050	07/23/2025	05:42	PQ070562.D	8.50	3.40
AR1248ICC1000	AR1248ICC1000	07/23/2025	05:57	PQ070563.D	8.50	3.40
AR1248ICC750	AR1248ICC750	07/23/2025	06:12	PQ070564.D	8.50	3.40
AR1248ICC500	AR1248ICC500	07/23/2025	06:26	PQ070565.D	8.50	3.40
AR1248ICC250	AR1248ICC250	07/23/2025	06:41	PQ070566.D	8.50	3.40
AR1248ICC050	AR1248ICC050	07/23/2025	06:55	PQ070567.D	8.50	3.40
AR1254ICC1000	AR1254ICC1000	07/23/2025	07:10	PQ070568.D	8.50	3.40
AR1254ICC750	AR1254ICC750	07/23/2025	07:24	PQ070569.D	8.50	3.40
AR1254ICC500	AR1254ICC500	07/23/2025	07:39	PQ070570.D	8.50	3.40
AR1254ICC250	AR1254ICC250	07/23/2025	07:54	PQ070571.D	8.50	3.40
AR1254ICC050	AR1254ICC050	07/23/2025	08:52	PQ070572.D	8.50	3.40
AR1262ICC500	AR1262ICC500	07/23/2025	09:07	PQ070573.D	8.50	3.40
AR1268ICC500	AR1268ICC500	07/23/2025	09:21	PQ070574.D	8.50	3.40
AR1660CCC500	AR1660CCC500	07/23/2025	12:53	PQ070581.D	8.51	3.41
I.BLK	I.BLK	07/23/2025	13:51	PQ070585.D	8.50	3.40
OU4-TS-31-071725	Q2638-01	07/23/2025	15:04	PQ070590.D	8.50	3.40
OU4-TS-32-071725	Q2638-03	07/23/2025	15:19	PQ070591.D	8.50	3.40
OU4-TS-34-071725	Q2638-07	07/23/2025	15:33	PQ070592.D	8.50	3.40
AR1660CCC500	AR1660CCC500	07/23/2025	17:15	PQ070596.D	8.50	3.40
I.BLK	I.BLK	07/23/2025	18:43	PQ070600.D	8.50	3.40

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2638

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	07/21/2025	08:51	PP073972.D	8.77	3.77
I.BLK	I.BLK	07/21/2025	09:56	PP073976.D	8.77	3.77
RT2286MS	Q2635-01MS	07/21/2025	13:40	PP073984.D	8.77	3.77
RT2286MSD	Q2635-01MSD	07/21/2025	13:56	PP073985.D	8.77	3.77
AR1660CCC500	AR1660CCC500	07/21/2025	15:18	PP073987.D	8.77	3.77
I.BLK	I.BLK	07/21/2025	16:23	PP073991.D	8.77	3.77
PB168927BL	PB168927BL	07/21/2025	16:39	PP073992.D	8.77	3.78
PB168927BS	PB168927BS	07/21/2025	16:56	PP073993.D	8.77	3.78
OU4-TS-33-071725	Q2638-05	07/21/2025	17:45	PP073996.D	8.77	3.77
OU4-TS-35-071725	Q2638-09	07/21/2025	18:18	PP073998.D	8.77	3.77
OU4-TS-36-071725	Q2638-11	07/21/2025	18:34	PP073999.D	8.77	3.77
OU4-TS-37-071725	Q2638-13	07/21/2025	18:50	PP074000.D	8.77	3.78
AR1660CCC500	AR1660CCC500	07/21/2025	20:12	PP074002.D	8.77	3.77

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

Analytical Sequence

I.BLK	I.BLK	07/21/2025	21:34	PP074006.D	8.77	3.77
I.BLK	I.BLK	07/23/2025	02:29	PQ070550.D	7.54	2.78
AR1660ICC1000	AR1660ICC1000	07/23/2025	02:59	PQ070551.D	7.54	2.78
AR1660ICC750	AR1660ICC750	07/23/2025	03:13	PQ070552.D	7.54	2.78
AR1660ICC500	AR1660ICC500	07/23/2025	03:28	PQ070553.D	7.54	2.78
AR1660ICC250	AR1660ICC250	07/23/2025	03:42	PQ070554.D	7.54	2.78
AR1660ICC050	AR1660ICC050	07/23/2025	03:57	PQ070555.D	7.54	2.78
AR1221ICC500	AR1221ICC500	07/23/2025	04:15	PQ070556.D	7.54	2.78
AR1232ICC500	AR1232ICC500	07/23/2025	04:29	PQ070557.D	7.54	2.78
AR1242ICC1000	AR1242ICC1000	07/23/2025	04:44	PQ070558.D	7.54	2.78
AR1242ICC750	AR1242ICC750	07/23/2025	04:58	PQ070559.D	7.54	2.78
AR1242ICC500	AR1242ICC500	07/23/2025	05:13	PQ070560.D	7.54	2.78
AR1242ICC250	AR1242ICC250	07/23/2025	05:28	PQ070561.D	7.54	2.78
AR1242ICC050	AR1242ICC050	07/23/2025	05:42	PQ070562.D	7.54	2.78
AR1248ICC1000	AR1248ICC1000	07/23/2025	05:57	PQ070563.D	7.54	2.78
AR1248ICC750	AR1248ICC750	07/23/2025	06:12	PQ070564.D	7.54	2.78
AR1248ICC500	AR1248ICC500	07/23/2025	06:26	PQ070565.D	7.54	2.78
AR1248ICC250	AR1248ICC250	07/23/2025	06:41	PQ070566.D	7.54	2.78
AR1248ICC050	AR1248ICC050	07/23/2025	06:55	PQ070567.D	7.54	2.78
AR1254ICC1000	AR1254ICC1000	07/23/2025	07:10	PQ070568.D	7.54	2.78
AR1254ICC750	AR1254ICC750	07/23/2025	07:24	PQ070569.D	7.54	2.78
AR1254ICC500	AR1254ICC500	07/23/2025	07:39	PQ070570.D	7.54	2.78
AR1254ICC250	AR1254ICC250	07/23/2025	07:54	PQ070571.D	7.54	2.78
AR1254ICC050	AR1254ICC050	07/23/2025	08:52	PQ070572.D	7.54	2.78
AR1262ICC500	AR1262ICC500	07/23/2025	09:07	PQ070573.D	7.54	2.78
AR1268ICC500	AR1268ICC500	07/23/2025	09:21	PQ070574.D	7.54	2.78
AR1660CCC500	AR1660CCC500	07/23/2025	12:53	PQ070581.D	7.54	2.78
I.BLK	I.BLK	07/23/2025	13:51	PQ070585.D	7.54	2.78
OU4-TS-31-071725	Q2638-01	07/23/2025	15:04	PQ070590.D	7.54	2.78
OU4-TS-32-071725	Q2638-03	07/23/2025	15:19	PQ070591.D	7.54	2.78
OU4-TS-34-071725	Q2638-07	07/23/2025	15:33	PQ070592.D	7.54	2.78
AR1660CCC500	AR1660CCC500	07/23/2025	17:15	PQ070596.D	7.54	2.78
I.BLK	I.BLK	07/23/2025	18:43	PQ070600.D	7.54	2.78

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

RT2286MS

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2638

Lab Sample ID: Q2635-01MS Date(s) Analyzed: 07/21/2025 07/21/2025

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 PP073984.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.633	5.583	5.683	156		
	2	5.654	5.604	5.704	164		
	3	5.716	5.666	5.766	164		
COLUMN 1	4	5.813	5.763	5.863	177		
	5	6.107	6.057	6.157	222	177	
	1	4.849	4.799	4.899	170		
	2	4.867	4.817	4.917	168		
	3	5.043	4.993	5.093	176		
	4	5.085	5.035	5.135	176		
COLUMN 2	5	5.298	5.248	5.348	179	174	1.71
Aroclor-1260	1	7.222	7.172	7.272	231		
	2	7.476	7.426	7.526	204		
	3	7.834	7.784	7.884	203		
COLUMN 1	4	8.058	8.008	8.108	222		
	5	8.375	8.325	8.425	209	214	
	1	6.328	6.278	6.378	222		
	2	6.517	6.467	6.567	213		
	3	6.668	6.618	6.718	216		
	4	7.137	7.087	7.187	207		
COLUMN 2	5	7.38	7.33	7.43	205	212	0.94

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

RT2286MSD

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2638

Lab Sample ID: Q2635-01MSD Date(s) Analyzed: 07/21/2025 07/21/2025

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 PP073985.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.636	5.586	5.686	155		
	2	5.657	5.607	5.707	166		
	3	5.719	5.669	5.769	164		
COLUMN 1	4	5.816	5.766	5.866	176		
	5	6.11	6.06	6.16	223	177	
	1	4.851	4.801	4.901	170		
	2	4.869	4.819	4.919	169		
	3	5.045	4.995	5.095	176		
	4	5.087	5.037	5.137	177		
COLUMN 2	5	5.3	5.25	5.35	177	174	1.71
Aroclor-1260	1	7.224	7.174	7.274	211		
	2	7.478	7.428	7.528	194		
	3	7.837	7.787	7.887	203		
COLUMN 1	4	8.059	8.009	8.109	233		
	5	8.378	8.328	8.428	211	210	
	1	6.33	6.28	6.38	221		
	2	6.518	6.468	6.568	210		
	3	6.67	6.62	6.72	213		
	4	7.139	7.089	7.189	203		
COLUMN 2	5	7.383	7.333	7.433	204	211	0.48

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168927BS

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2638

Lab Sample ID: PB168927BS Date(s) Analyzed: 07/21/2025 07/21/2025

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 PP073993.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.637	5.587	5.687	131		
	2	5.658	5.608	5.708	142		
	3	5.72	5.67	5.77	140		
COLUMN 1	4	5.817	5.767	5.867	141		
	5	6.109	6.059	6.159	142	139	
	1	4.852	4.802	4.902	151		
	2	4.87	4.82	4.92	153		
	3	5.047	4.997	5.097	155		
	4	5.089	5.039	5.139	153		
COLUMN 2	5	5.301	5.251	5.351	154	153	9.59
Aroclor-1260	1	7.226	7.176	7.276	147		
	2	7.479	7.429	7.529	131		
	3	7.837	7.787	7.887	124		
COLUMN 1	4	8.06	8.01	8.11	138		
	5	8.378	8.328	8.428	134	135	
	1	6.33	6.28	6.38	159		
	2	6.519	6.469	6.569	158		
	3	6.671	6.621	6.721	160		
	4	7.139	7.089	7.189	147		
COLUMN 2	5	7.383	7.333	7.433	145	154	13.15

QC SAMPLE DATA

Raw Data: **PP073992.D**

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:	PB168927BL		SDG No.:	Q2638	
Lab Sample ID:	PB168927BL		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073992.D	1	07/21/25 08:30	07/21/25 16:39	PB168927

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	18.9		44 - 130		94%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		60 - 125		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

Sample Results: **PP073992.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:39
Operator : YP\AJ
Sample : PB168927BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168927BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:12:23 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	3.775	23731935	34783449	17.329	18.881
2)	SA Decachlor...	10.168	8.771	20402079	28960366	18.699	21.887
	Target Compounds						

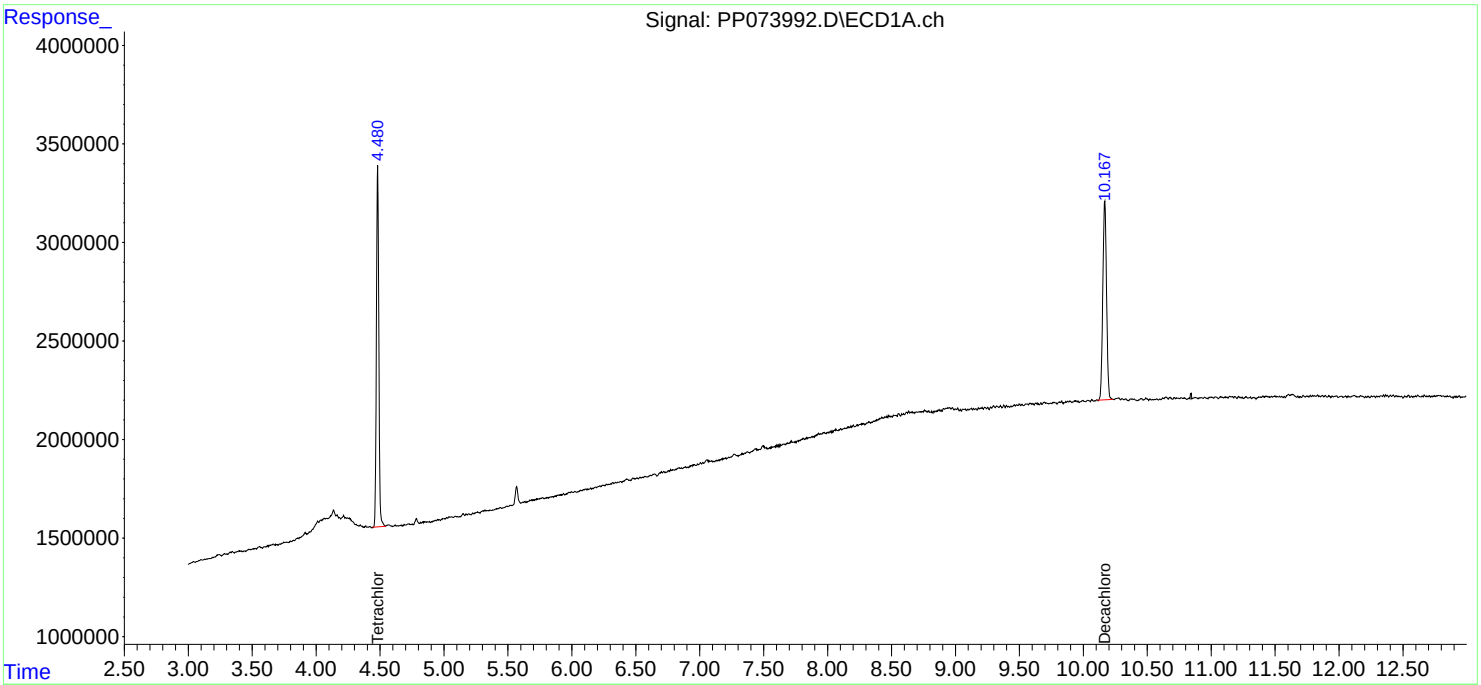
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

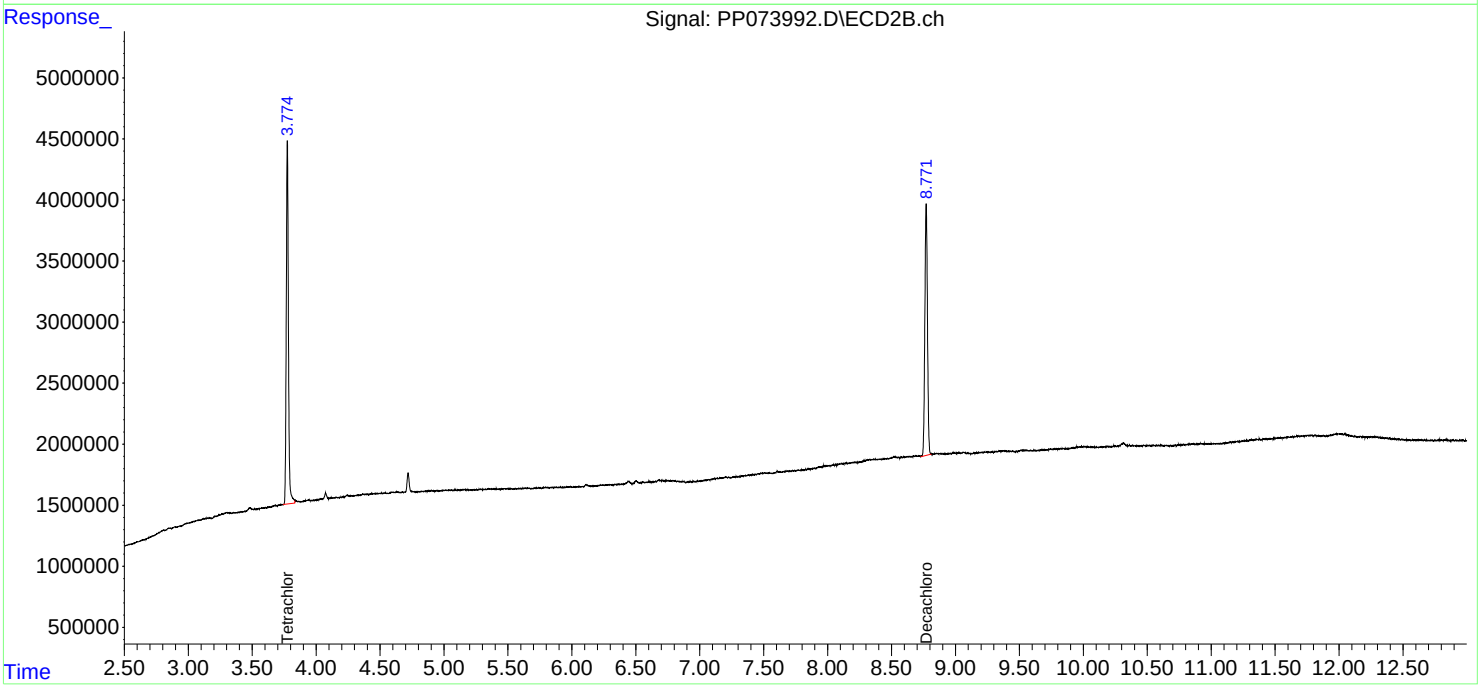
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:39
Operator : YP\AJ
Sample : PB168927BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

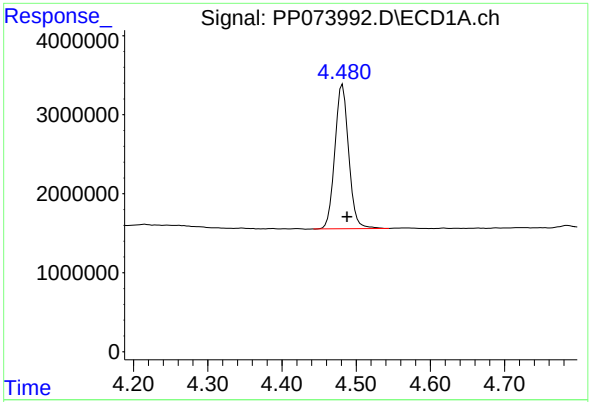
Instrument :
ECD_P
ClientSampleId :
PB168927BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:12:23 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



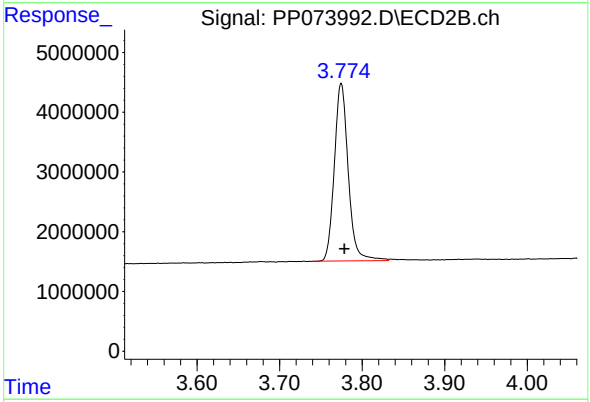




#1 Tetrachloro-m-xylene

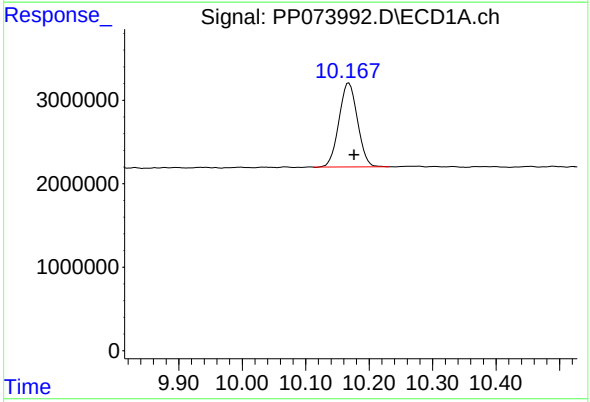
R.T.: 4.482 min
Delta R.T.: -0.006 min
Response: 23731935
Conc: 17.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168927BL



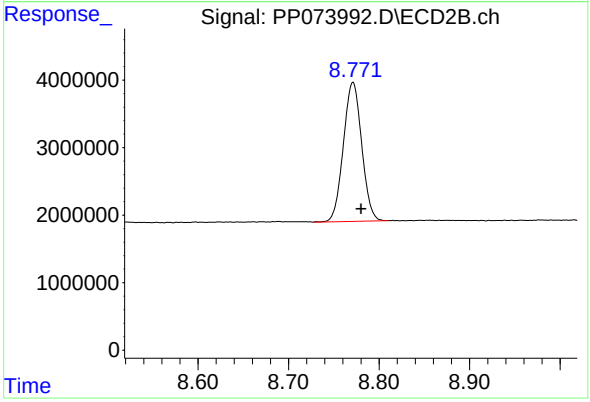
#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: -0.004 min
Response: 34783449
Conc: 18.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.168 min
Delta R.T.: -0.008 min
Response: 20402079
Conc: 18.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: -0.009 min
Response: 28960366
Conc: 21.89 ng/ml

Raw Data: **PP073553.D**

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.:	Q2638
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.

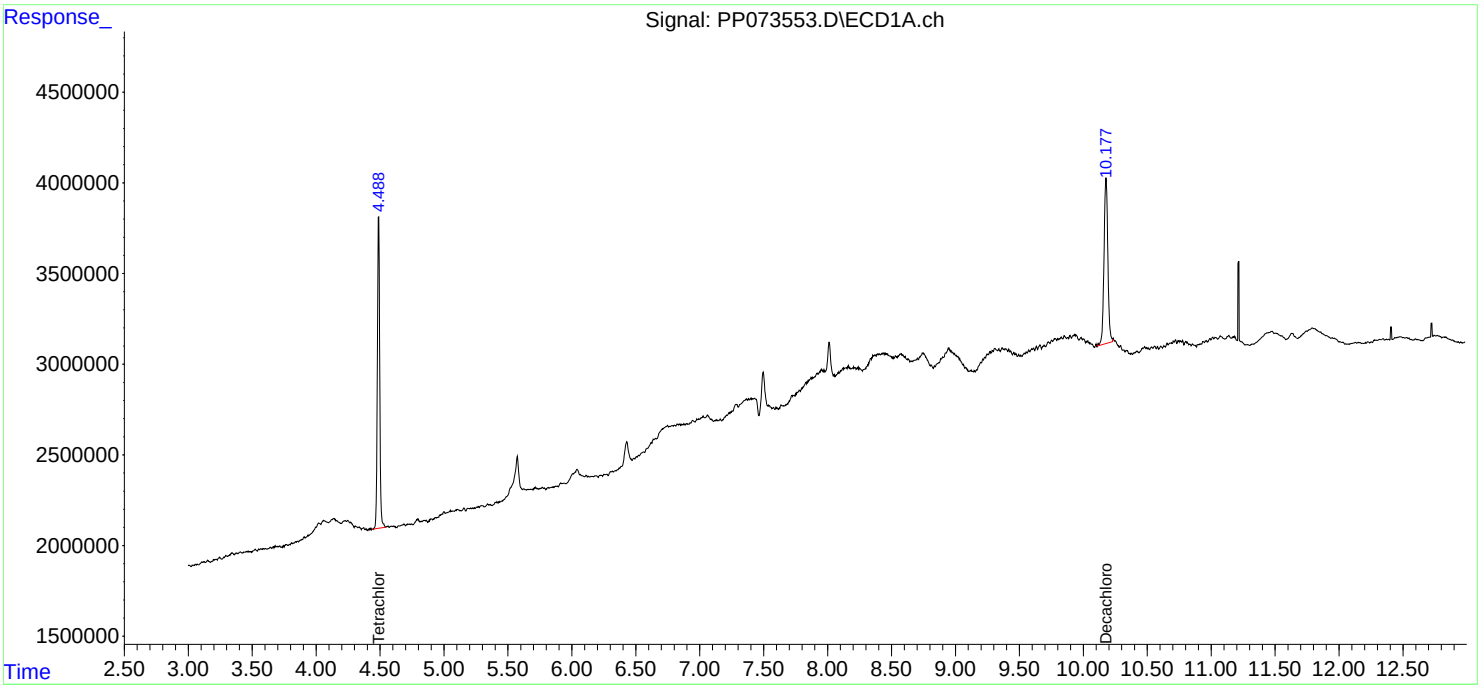
Sample Results: **PP073553.D**

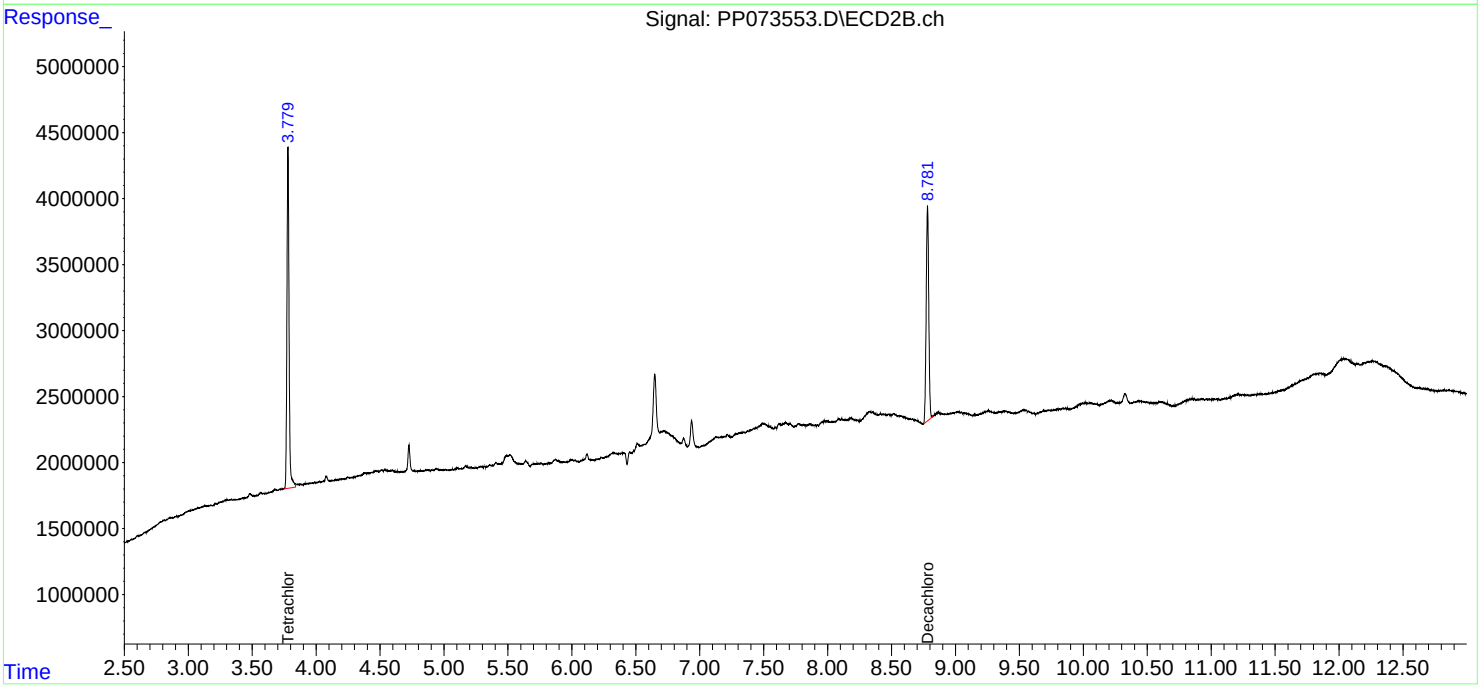
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:30
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

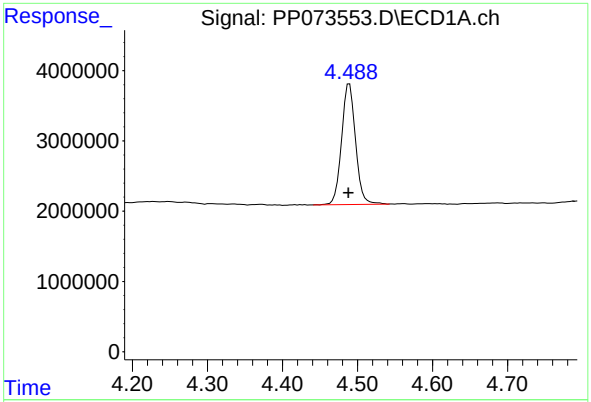
Instrument :
ECD_P
ClientSampleId :
I.BLK

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



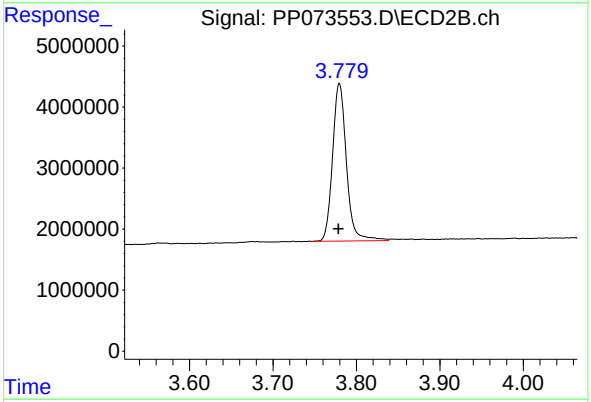




#1 Tetrachloro-m-xylene

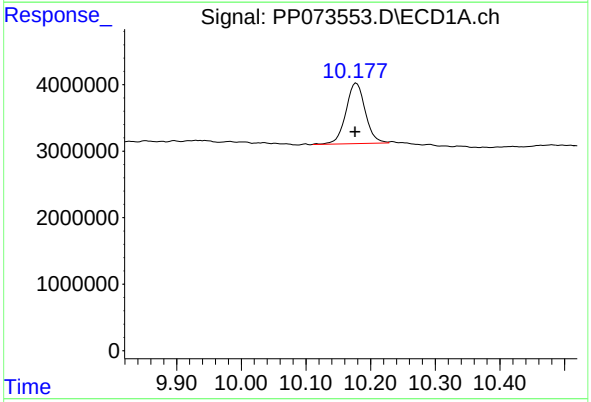
R.T.: 4.489 min
Delta R.T.: 0.001 min
Response: 22153163
Conc: 16.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



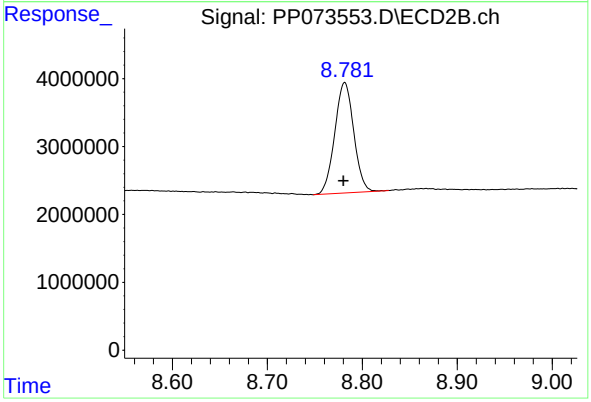
#1 Tetrachloro-m-xylene

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

Raw Data: **PP073976.D**

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:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PP073976.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PP073976.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
PP073976.D	1		07/21/25	pp072125

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	16.8		60 - 140		84%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140		88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PP073976.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 09:56
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 22 01:46:14 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	3.774	23034074	31045310	16.819	16.851
2)	SA Decachlor...	10.167	8.770	19247044	25335367	17.641	19.148
	Target Compounds						

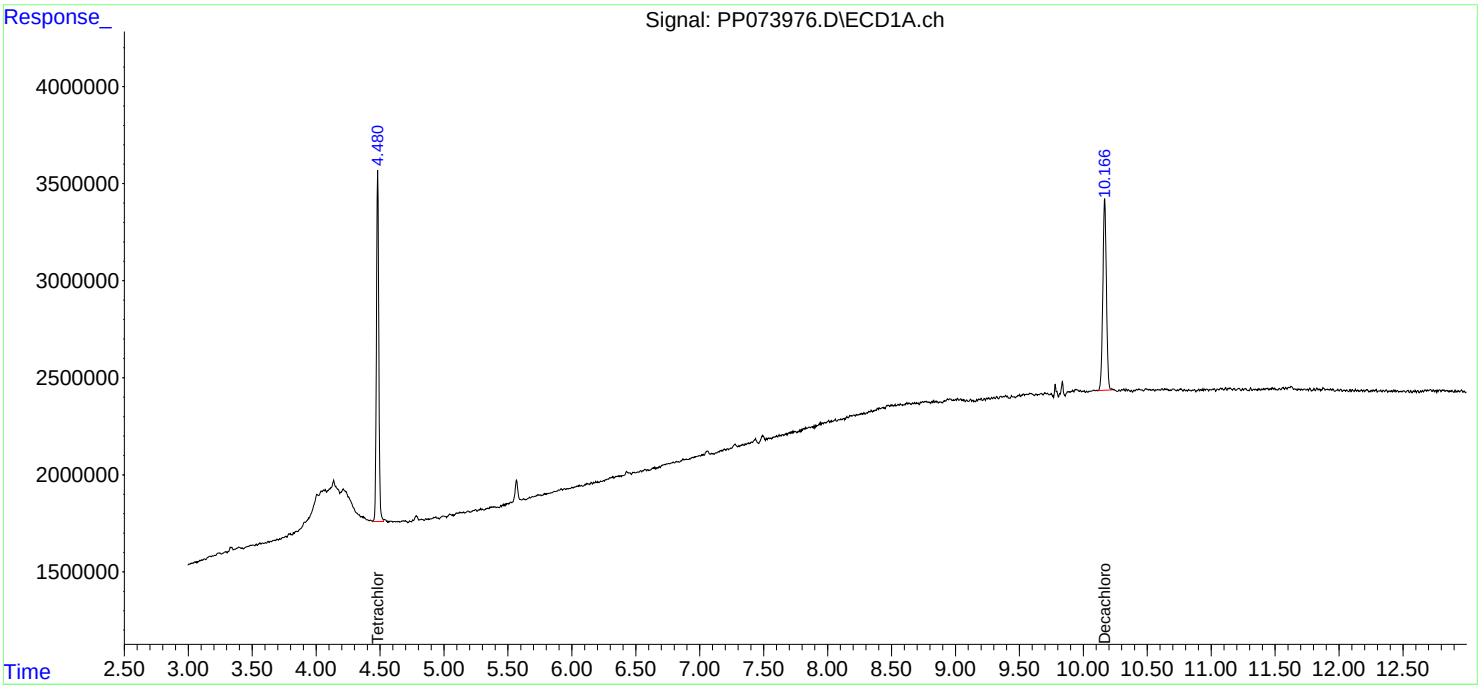
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

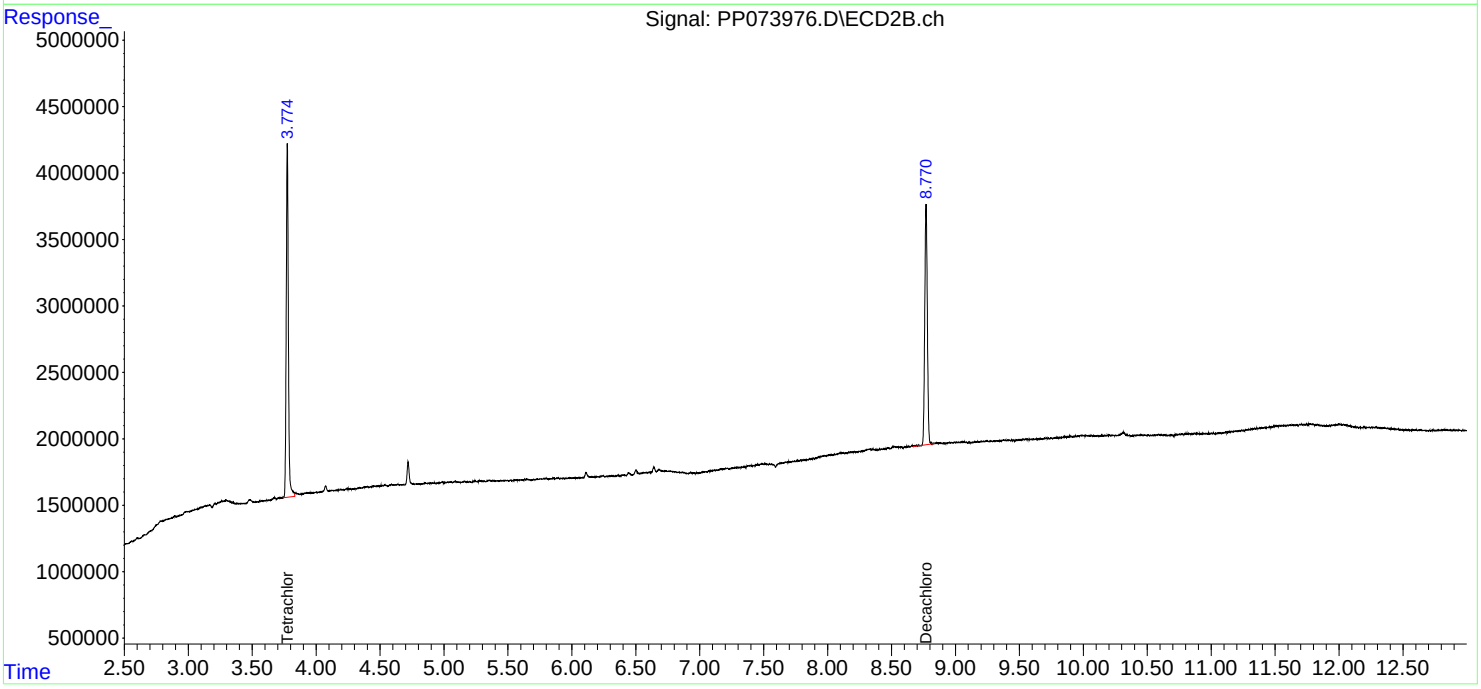
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 09:56
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

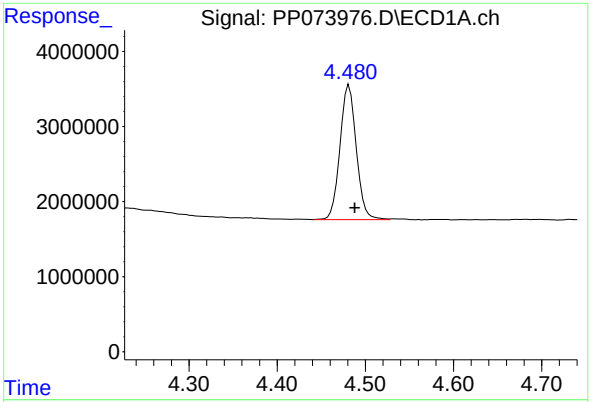
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:46:14 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



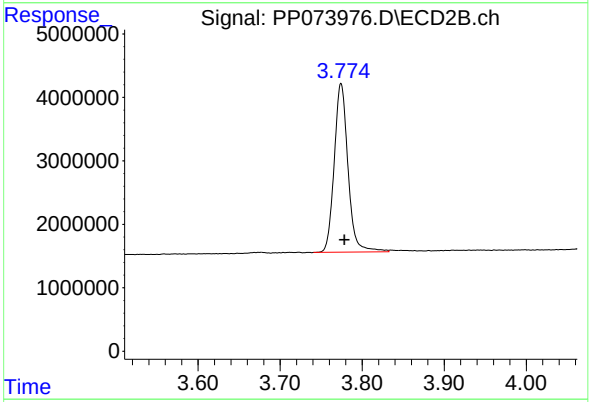




#1 Tetrachloro-m-xylene

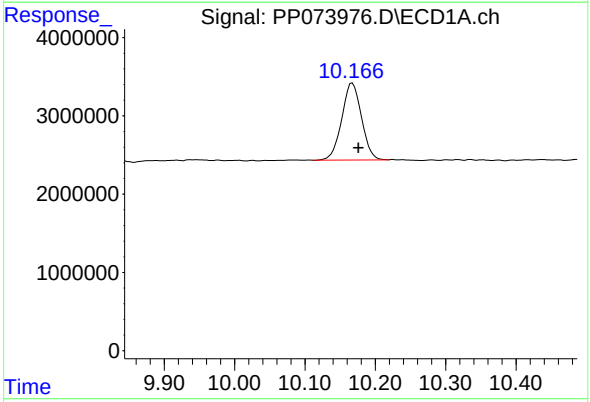
R.T.: 4.482 min
Delta R.T.: -0.006 min
Response: 23034074
Conc: 16.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



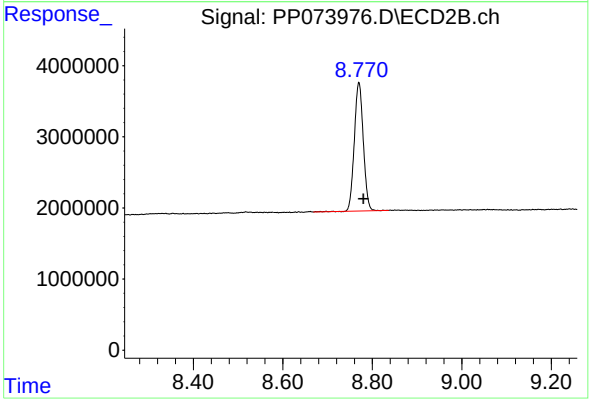
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.004 min
Response: 31045310
Conc: 16.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.167 min
Delta R.T.: -0.009 min
Response: 19247044
Conc: 17.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.770 min
Delta R.T.: -0.010 min
Response: 25335367
Conc: 19.15 ng/ml

Raw Data: **PP073991.D**

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:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PP073991.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PP073991.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
PP073991.D	1		07/21/25	pp072125

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	15.8		60 - 140		79%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 140		83%	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

Sample Results: **PP073991.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:23
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 22 01:54:33 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	3.774	21712730	32171043	15.854	17.463
2)	SA Decachlor...	10.170	8.771	18173509	26037964	16.657	19.679
	Target Compounds						

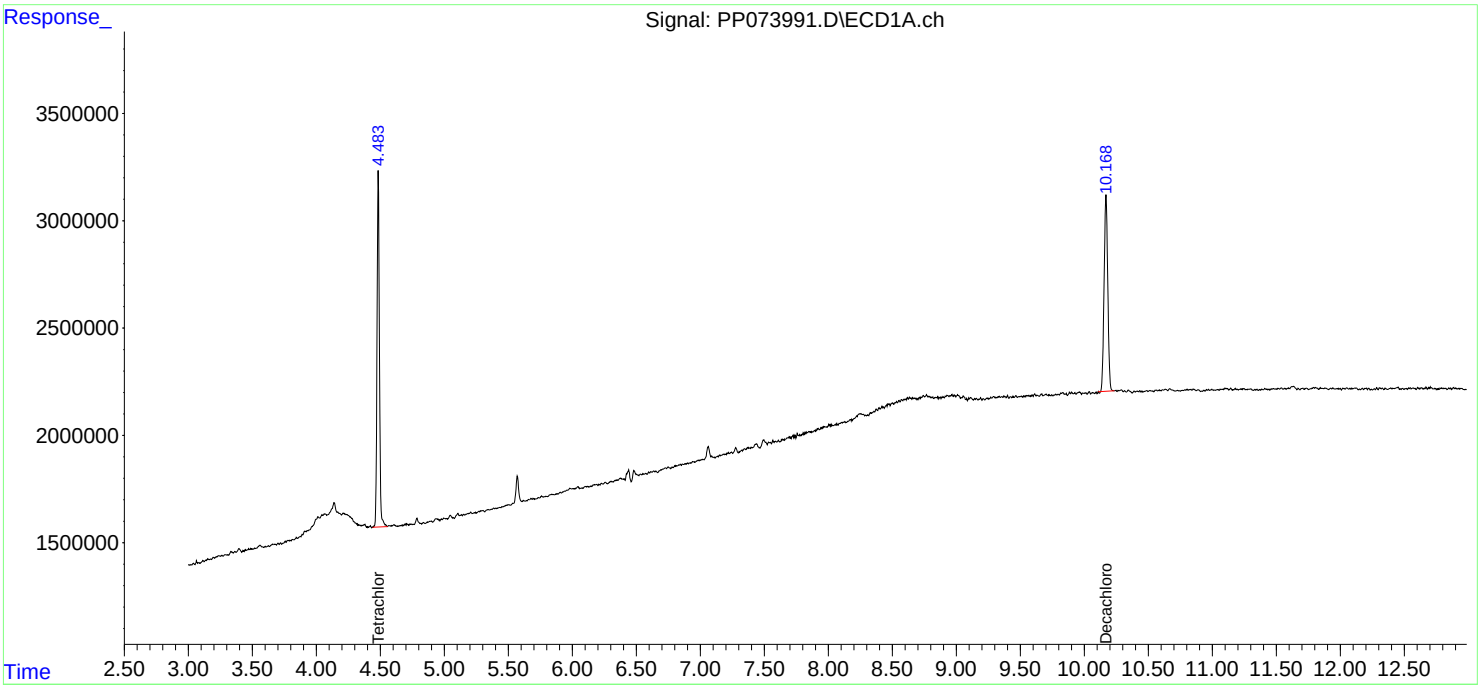
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

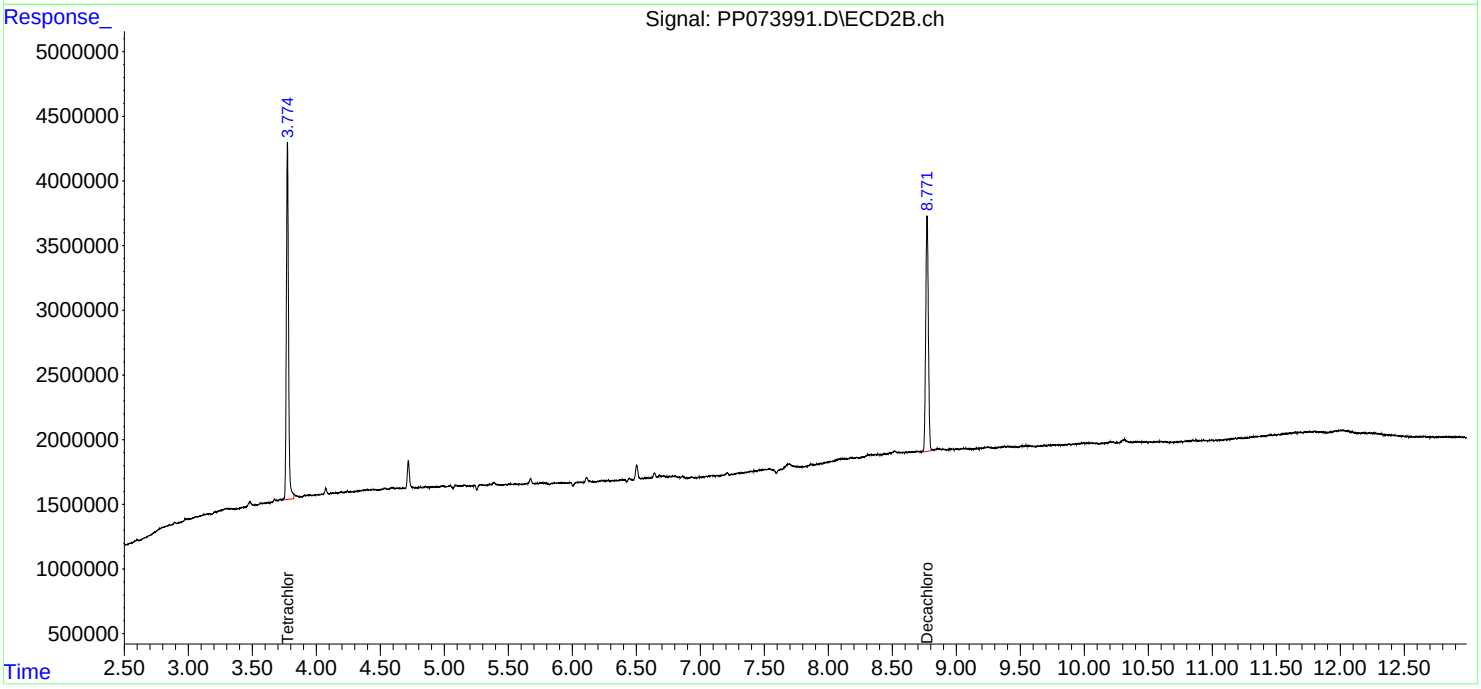
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:23
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

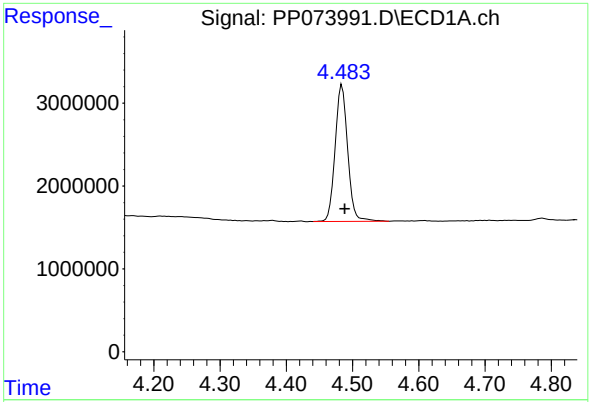
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:54:33 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



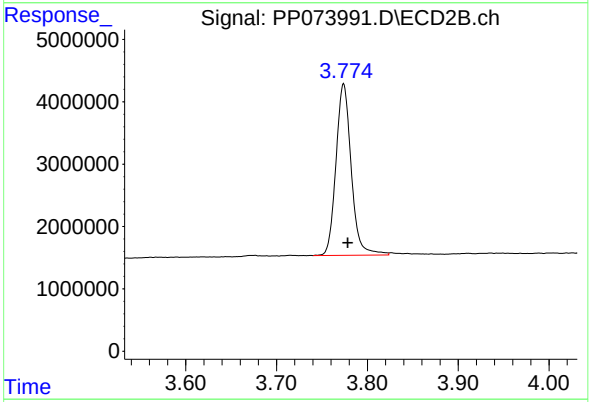




#1 Tetrachloro-m-xylene

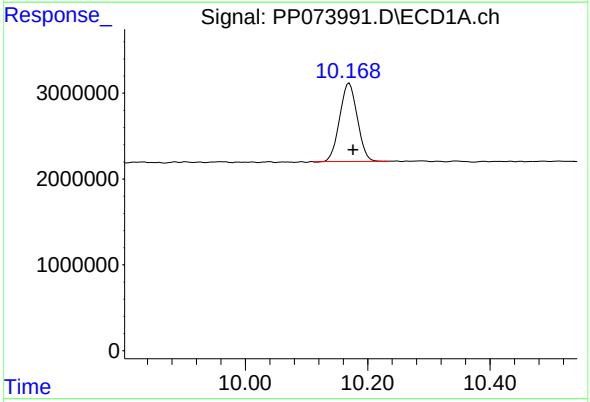
R.T.: 4.484 min
Delta R.T.: -0.004 min
Response: 21712730
Conc: 15.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



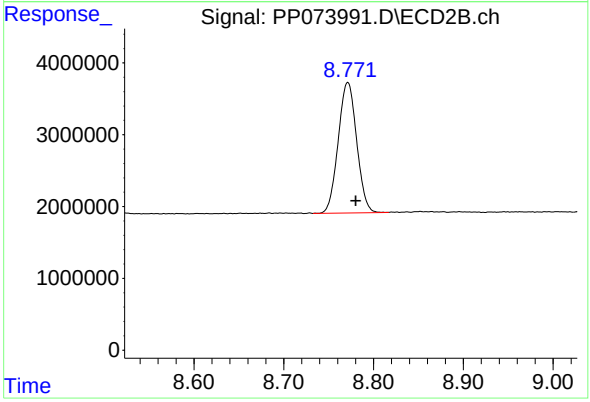
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.005 min
Response: 32171043
Conc: 17.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.170 min
Delta R.T.: -0.006 min
Response: 18173509
Conc: 16.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: -0.009 min
Response: 26037964
Conc: 19.68 ng/ml

Raw Data: **PP074006.D**

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:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PP074006.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PP074006.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
PP074006.D	1		07/21/25	pp072125

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	15.8		60 - 140		79%	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

Sample Results: **PP074006.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP074006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 21:34
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 22 02:17:05 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...	4.479	3.773	21664756	32074283	15.819	17.410
2)	SA Decachlor...	10.164	8.769	18614863	25580988	17.061	19.333
	Target Compounds						

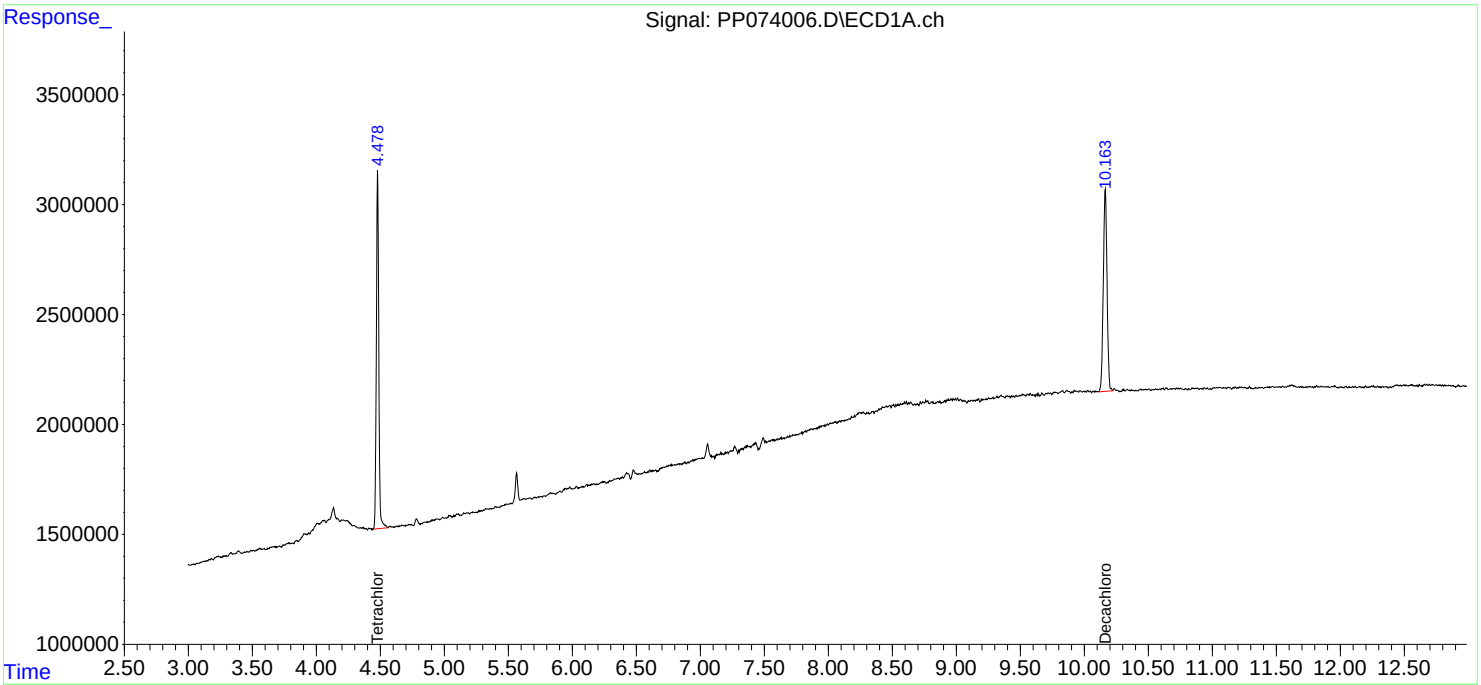
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

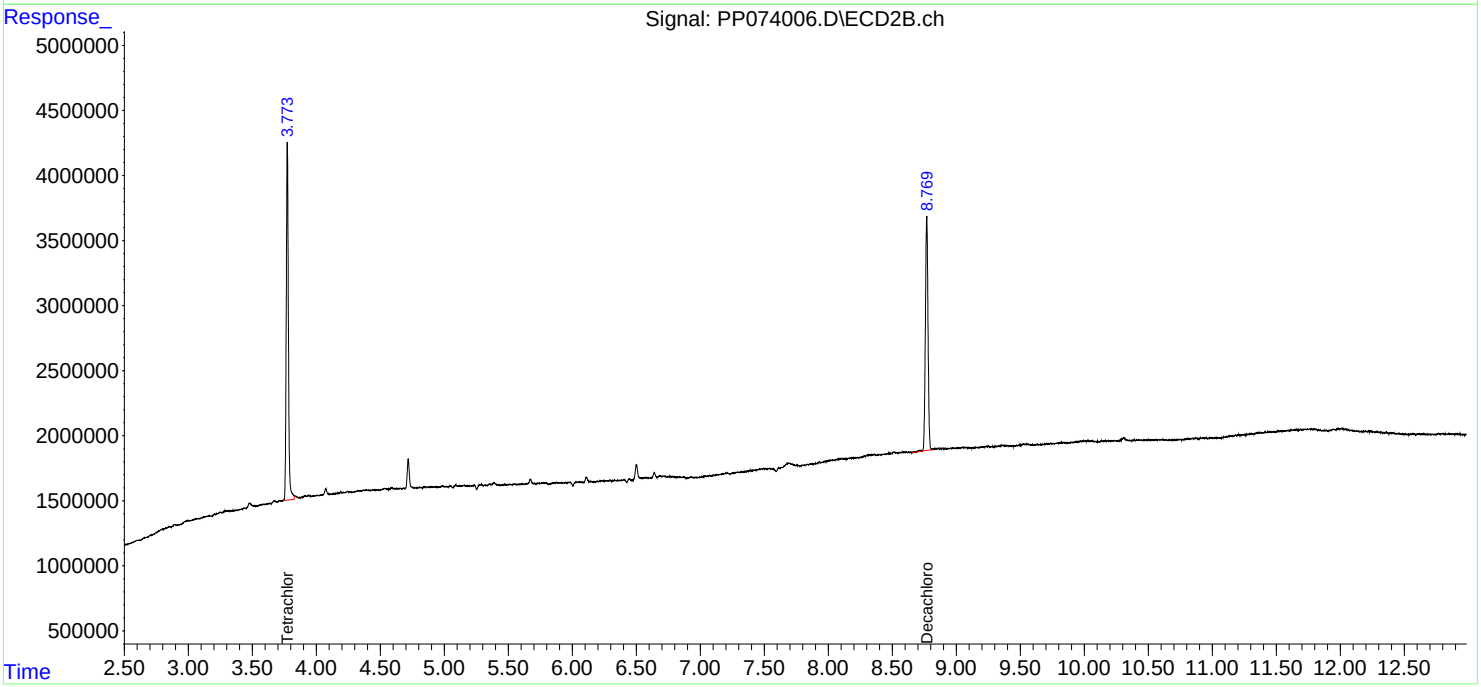
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP074006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 21:34
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

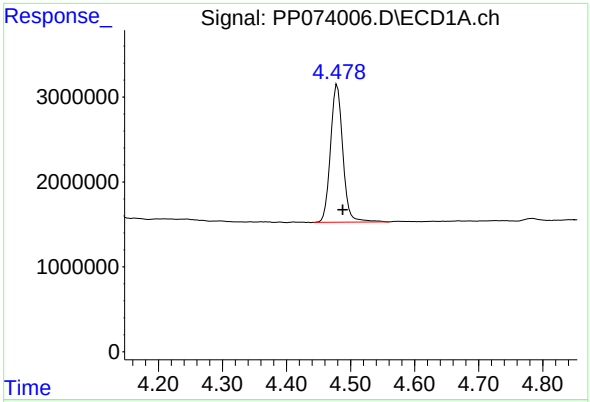
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:17:05 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



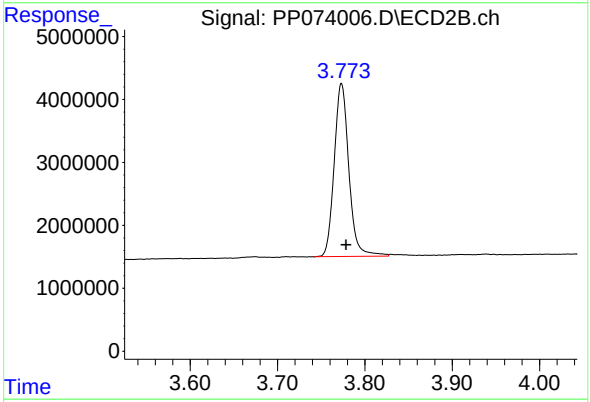




#1 Tetrachloro-m-xylene

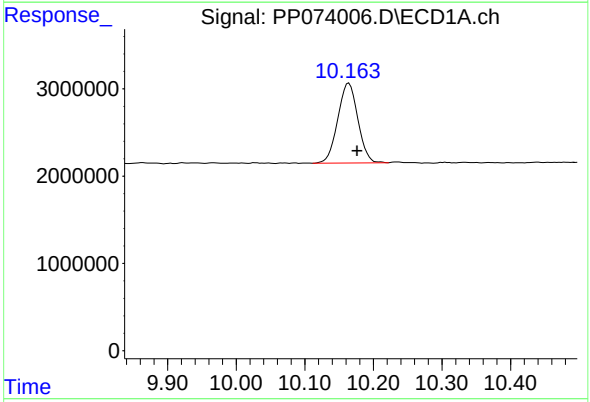
R.T.: 4.479 min
Delta R.T.: -0.009 min
Response: 21664756
Conc: 15.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



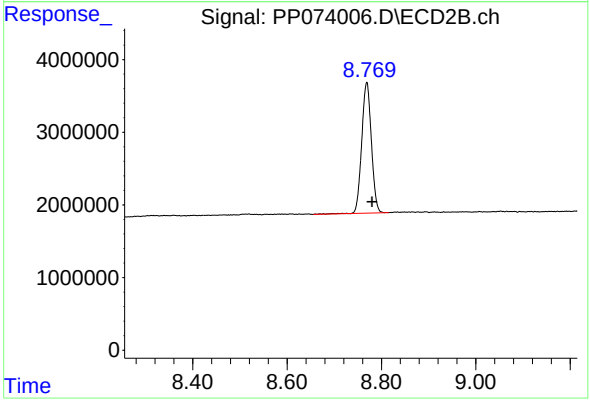
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: -0.005 min
Response: 32074283
Conc: 17.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.164 min
Delta R.T.: -0.012 min
Response: 18614863
Conc: 17.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.769 min
Delta R.T.: -0.011 min
Response: 25580988
Conc: 19.33 ng/ml

Raw Data: **PQ070550.D**

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:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PQ070550.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PQ070550.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
PQ070550.D	1		07/23/25	PQ072225

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	14.9		60 - 140		75%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		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

Sample Results: **PQ070550.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070550.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 02:29
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:49:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	130.9E6	155.8E6	14.904	15.608
2)	SA Decachlor...	8.500	7.540	83188502	152.9E6	16.965	17.500
	Target Compounds						

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

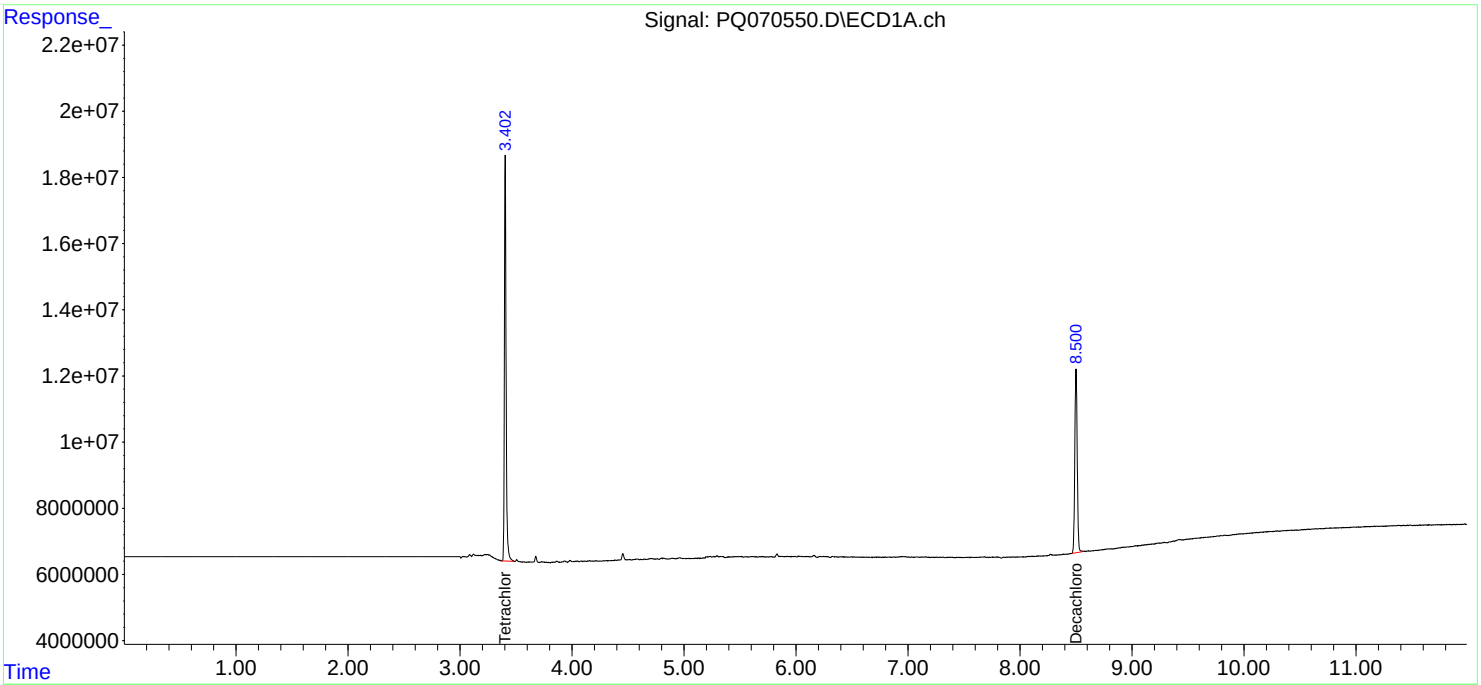
Sample Results: **PQ070550.D**

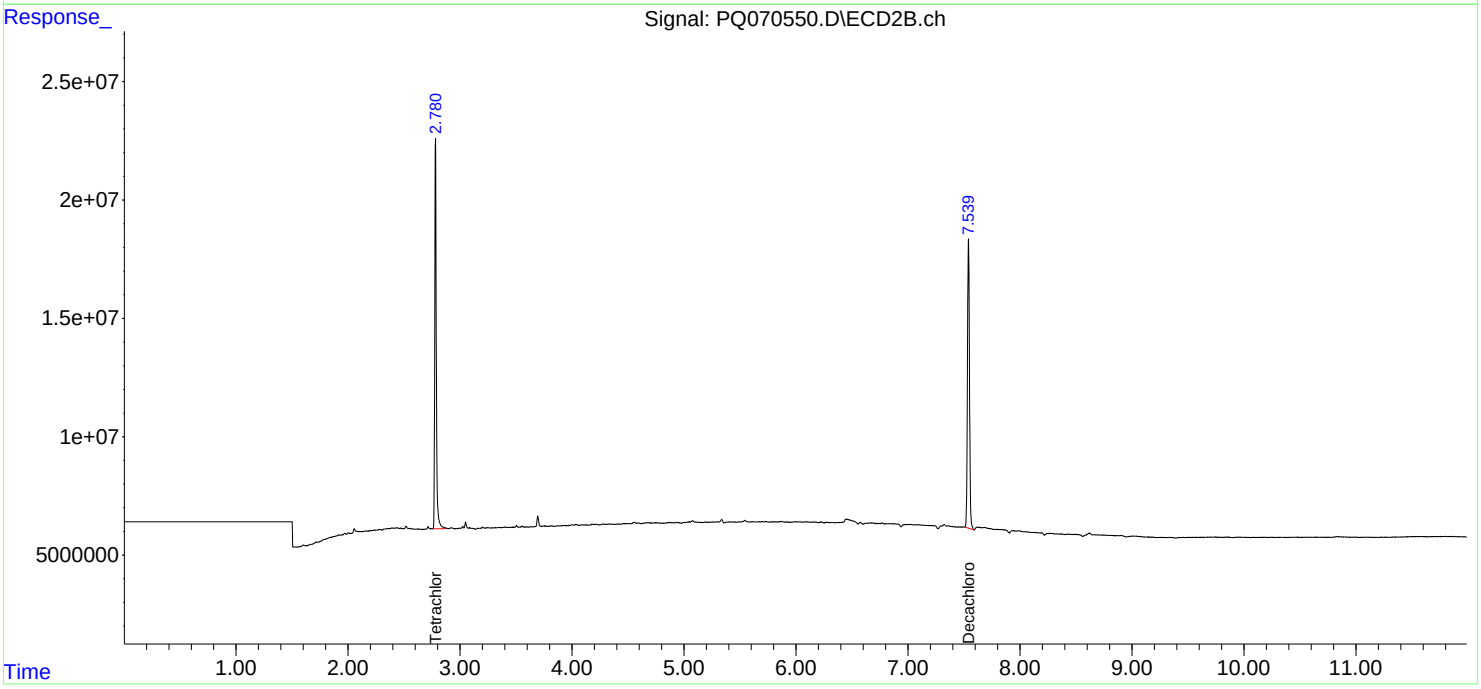
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070550.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 02:29
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

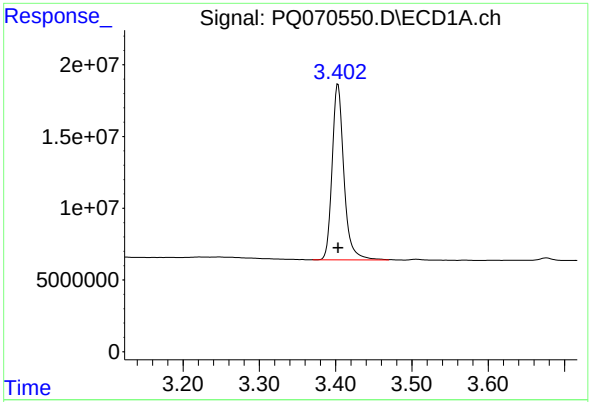
Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:49:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



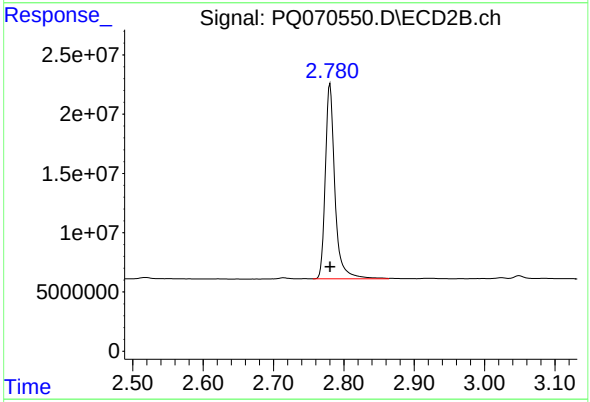




#1 Tetrachloro-m-xylene

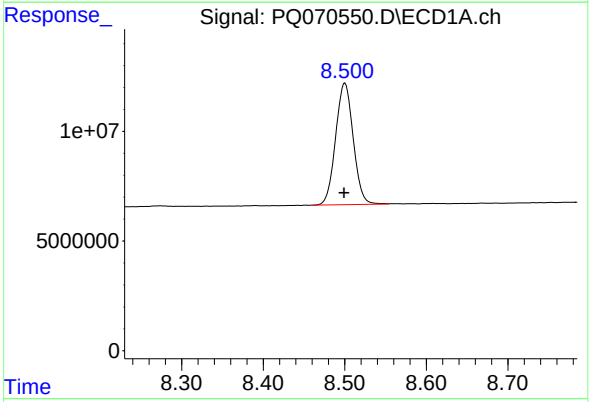
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 130918286
Conc: 14.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



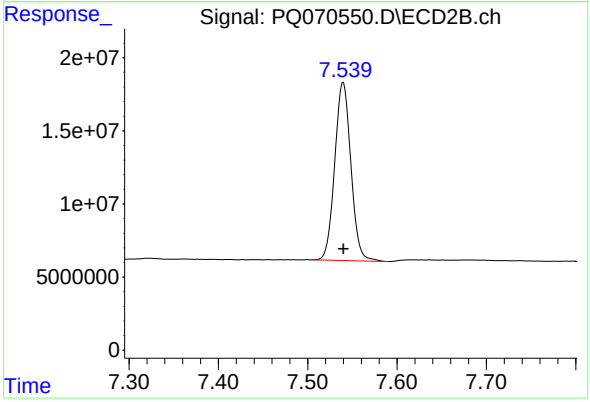
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 155753601
Conc: 15.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 83188502
Conc: 16.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 152884240
Conc: 17.50 ng/ml

Raw Data: **PQ070585.D**

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:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PQ070585.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PQ070585.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
PQ070585.D	1		07/23/25	pq072325

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	16.4		60 - 140		82%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140		88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 06:59:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	144.2E6	166.2E6	16.421	16.657
2)	SA Decachlor...	8.502	7.540	87124267	153.9E6	17.767	17.615
	Target Compounds						

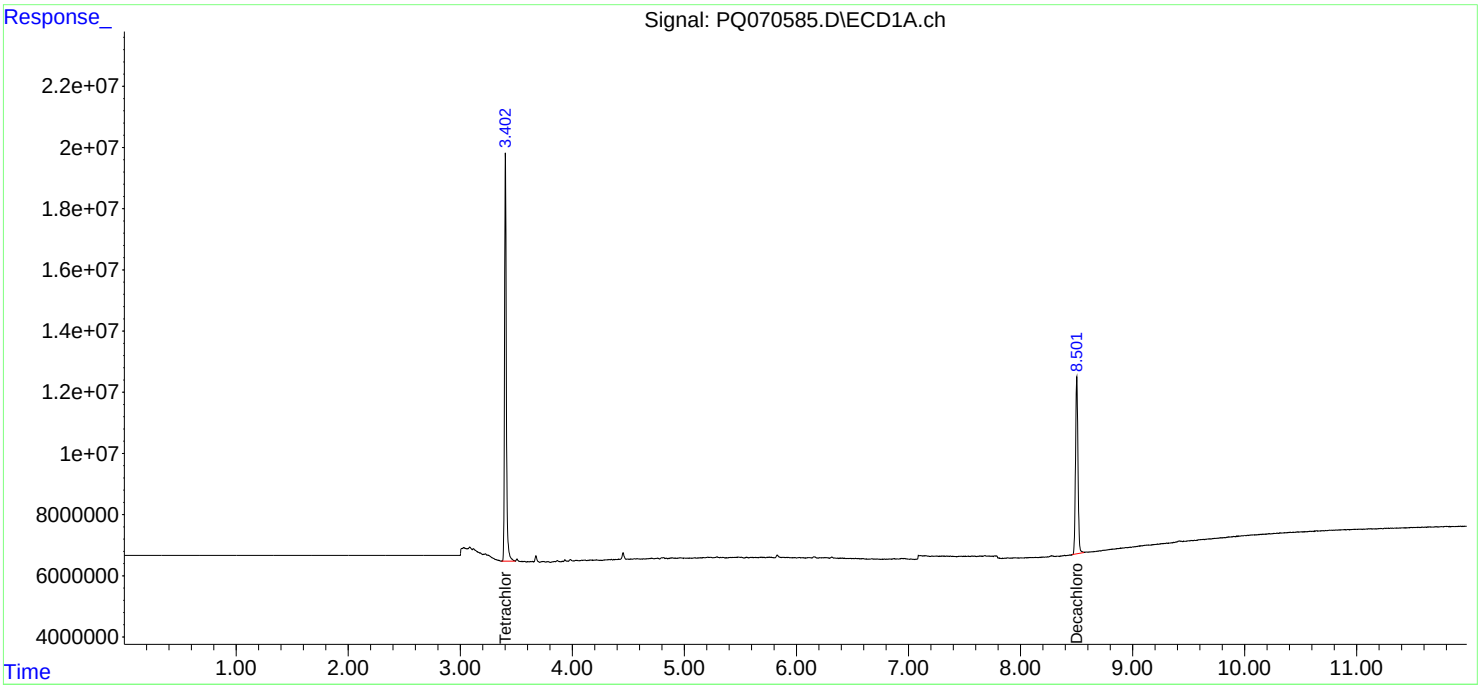
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

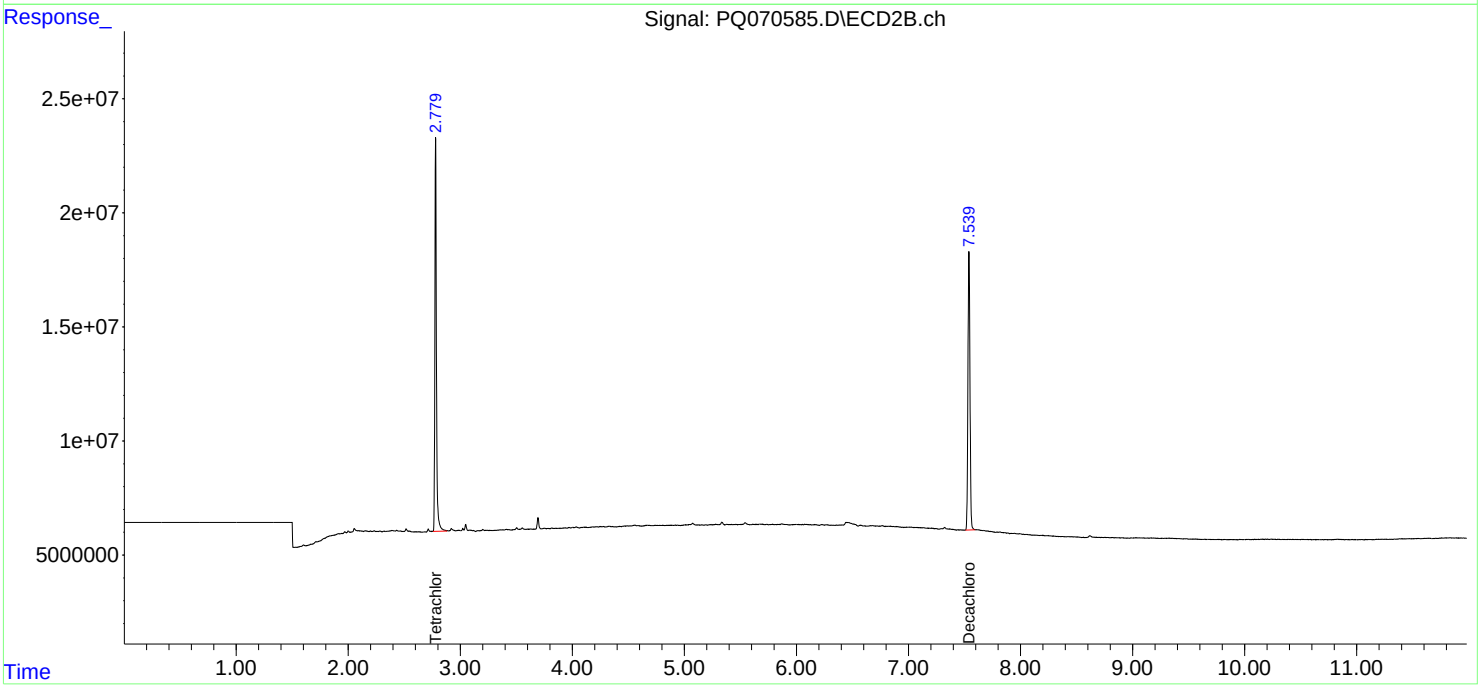
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

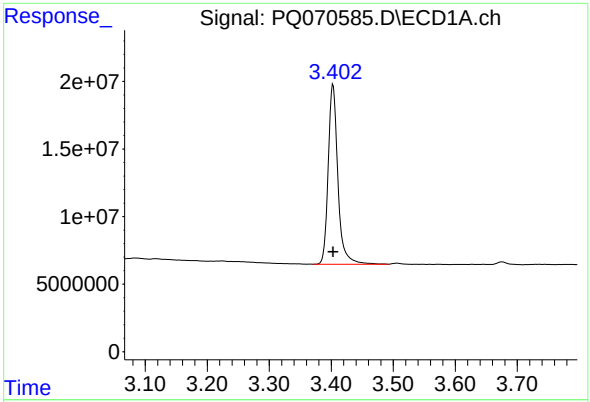
Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 06:59:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



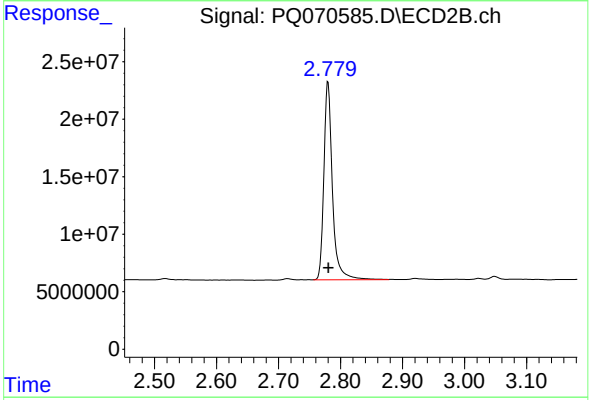




#1 Tetrachloro-m-xylene

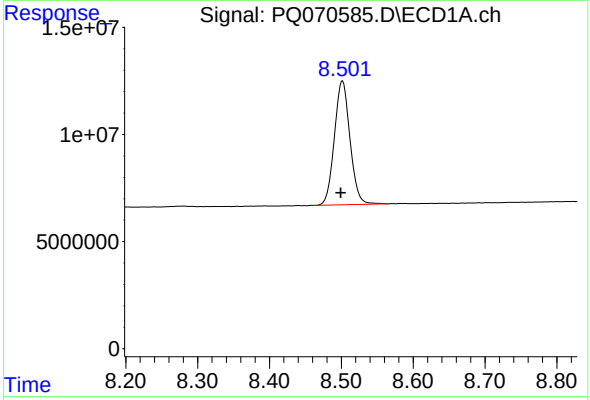
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 144249092
Conc: 16.42 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



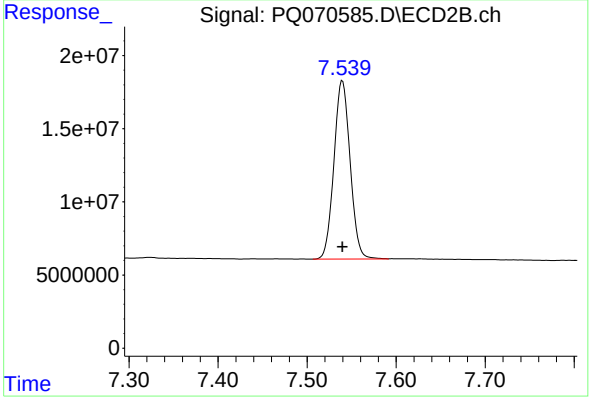
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 166216413
Conc: 16.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.502 min
Delta R.T.: 0.002 min
Response: 87124267
Conc: 17.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 153892542
Conc: 17.62 ng/ml

Raw Data: **PQ070600.D**

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:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PQ070600.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PQ070600.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
PQ070600.D	1		07/23/25	pq072325

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	22.5		60 - 140		113%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	180.0E6	197.9E6	20.488	19.832
2)	SA Decachlor...	8.501	7.538	120.6E6	196.7E6	24.593	22.517
	Target Compounds						

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

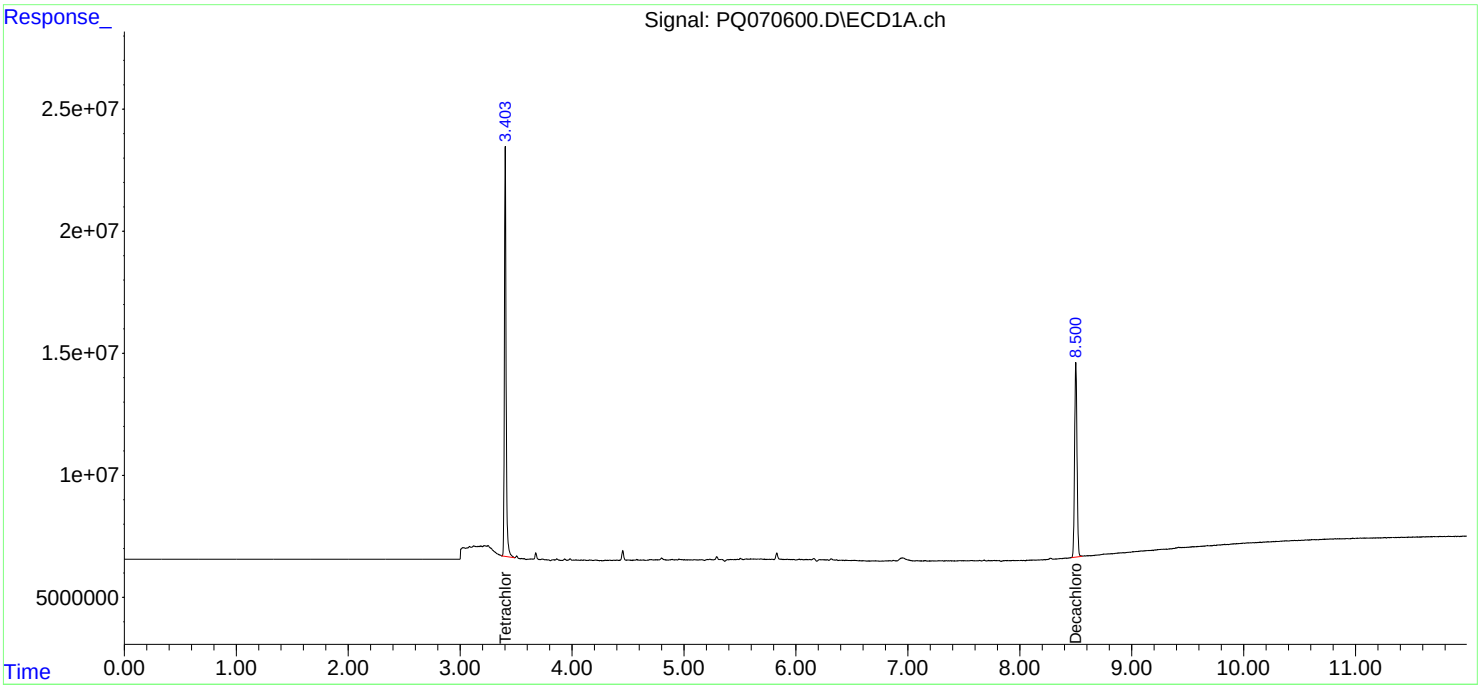
Sample Results: **PQ070600.D**

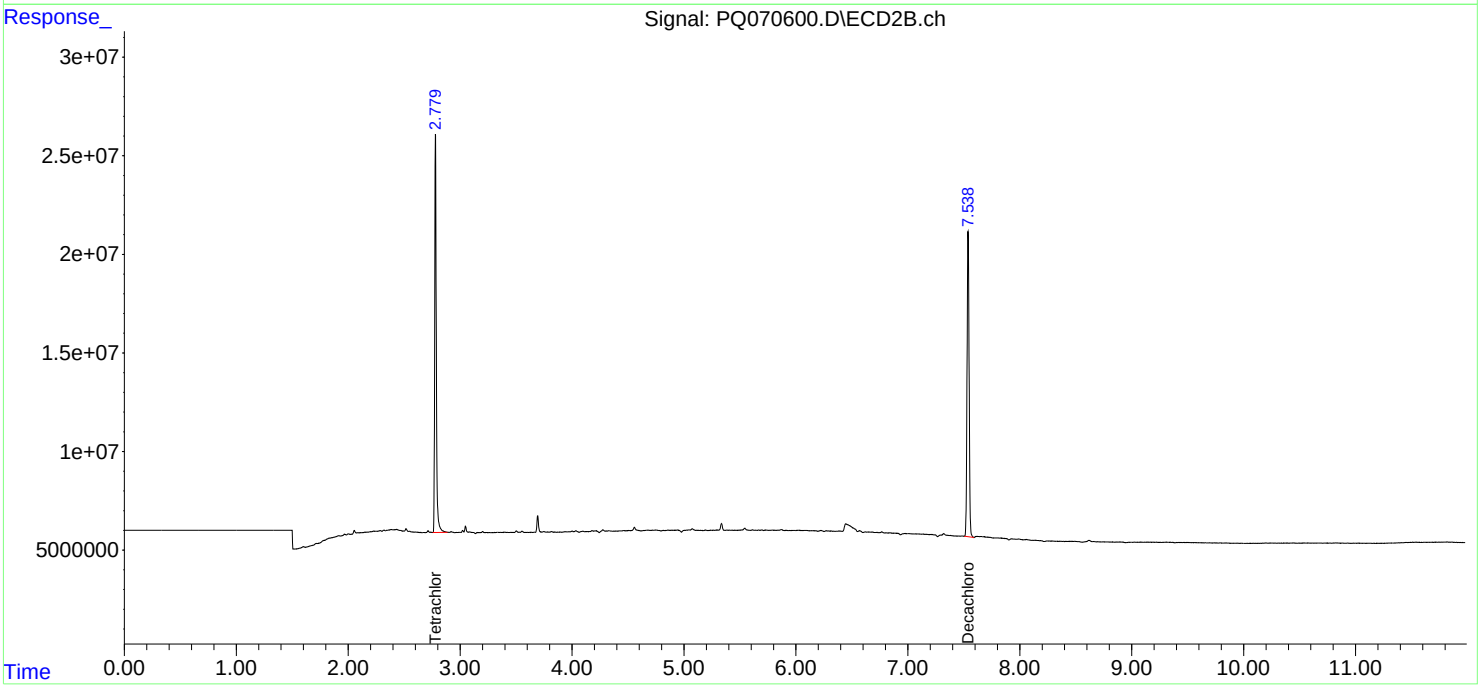
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

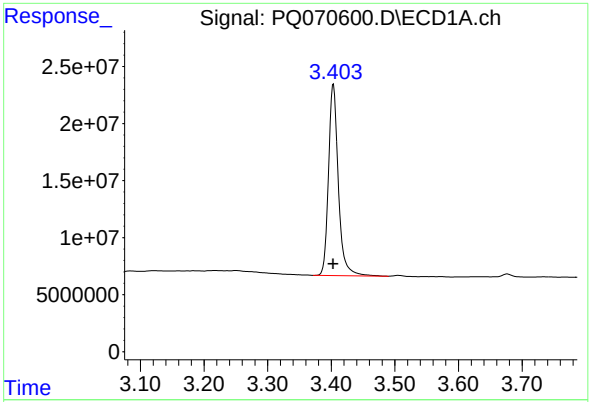
Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



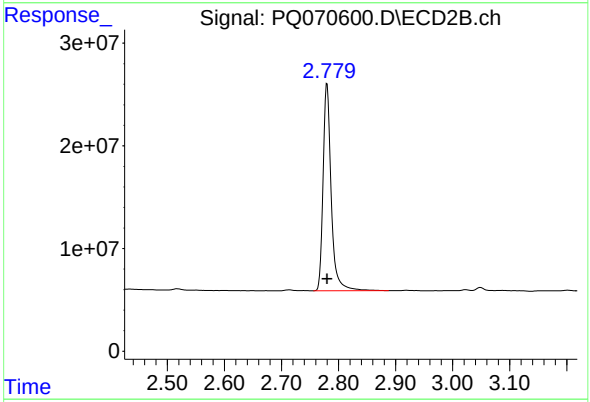




#1 Tetrachloro-m-xylene

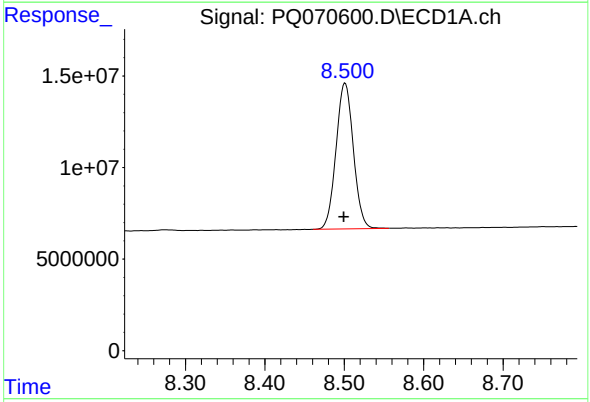
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 179976725
Conc: 20.49 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



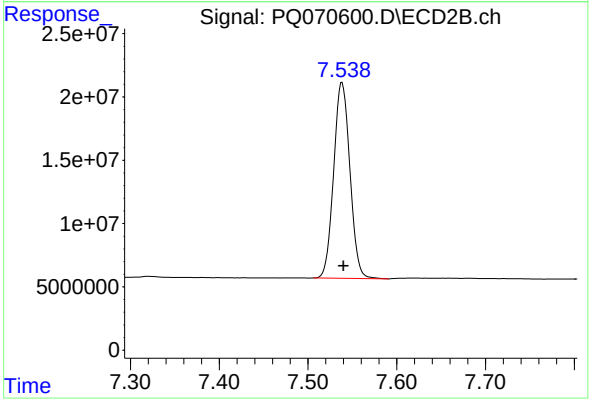
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 197896496
Conc: 19.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.002 min
Response: 120597285
Conc: 24.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.538 min
Delta R.T.: -0.002 min
Response: 196712943
Conc: 22.52 ng/ml

Raw Data: **PP073993.D**

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:	PB168927BS		SDG No.:	Q2638	
Lab Sample ID:	PB168927BS		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
PP073993.D	1	07/21/25 08:30	07/21/25 16:56	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	153		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	154		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	23.9		60 - 125		120%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:56
Operator : YP\AJ
Sample : PB168927BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168927BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:12:41 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	3.775	25710118	35503610	18.773	19.271
2) SA	Decachlor...	10.170	8.772	22397635	31653782	20.528	23.923
	Target Compounds						
3) L1	AR-1016-1	5.637	4.852	18648947	30859437	392.497	452.652
4) L1	AR-1016-2	5.658	4.870	30337806	46806903	426.004	459.412
5) L1	AR-1016-3	5.720	5.047	18341794	25209696	420.076	465.929
6) L1	AR-1016-4	5.817	5.089	15197443	20133996	422.790	458.833
7) L1	AR-1016-5	6.109	5.301	13328312	25250923	425.411	462.619
31) L7	AR-1260-1	7.226	6.330	25980515	46681069	440.637	478.484
32) L7	AR-1260-2	7.479	6.519	37795564	58282520	394.362	474.468
33) L7	AR-1260-3	7.837	6.671	27297740	52505882	373.580	479.664 #
34) L7	AR-1260-4	8.060	7.139	26969847	39497845	413.015	441.769
35) L7	AR-1260-5	8.378	7.383	60726734	97958387	402.556	435.881

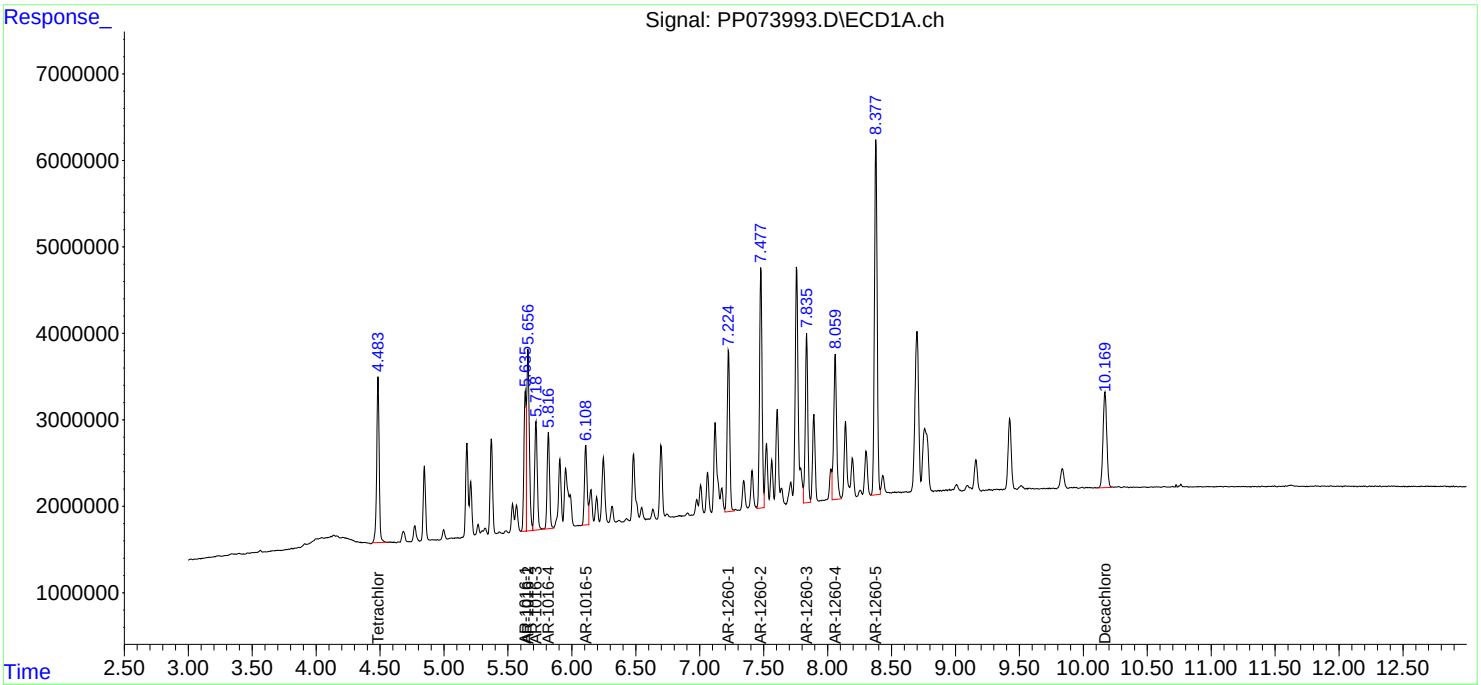
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

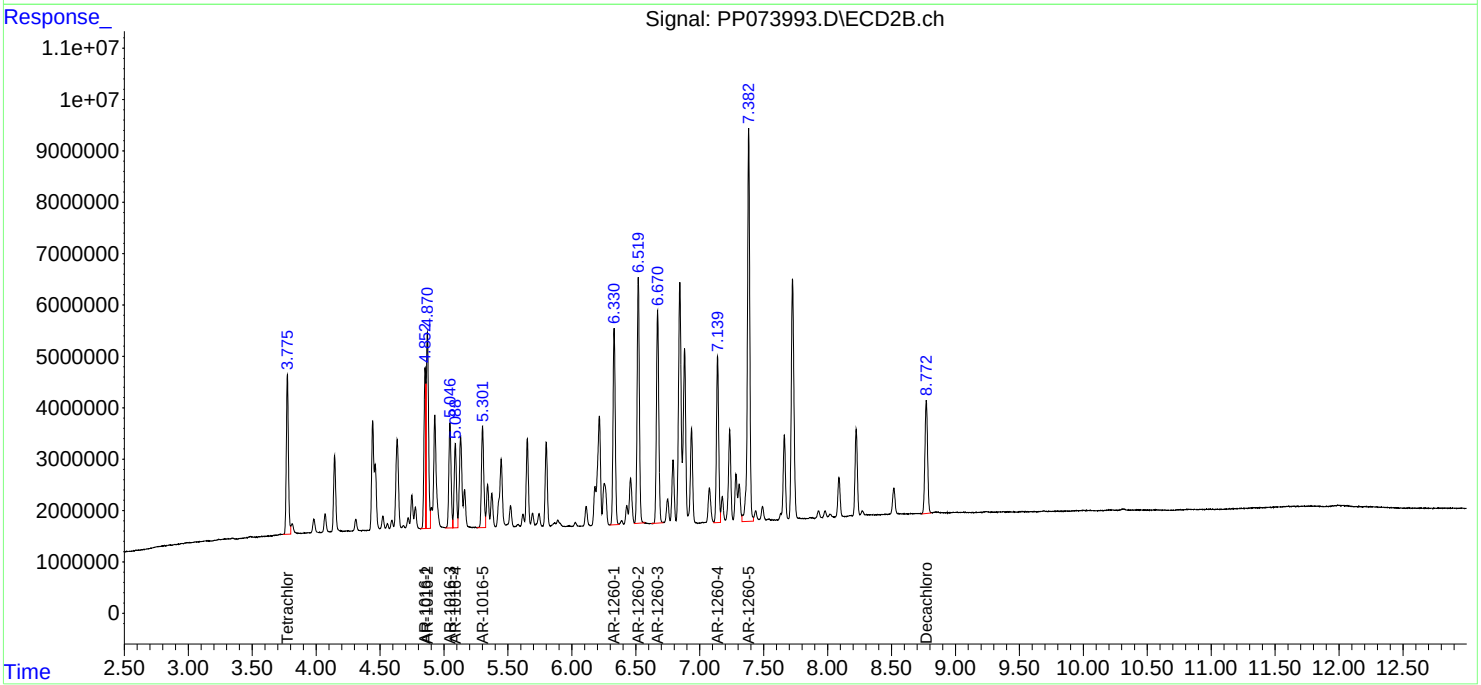
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:56
Operator : YP\AJ
Sample : PB168927BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

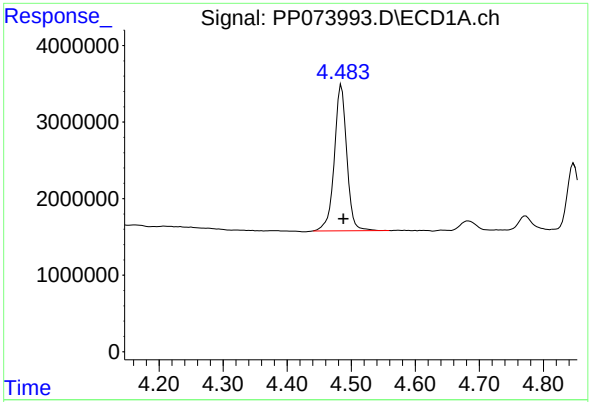
Instrument :
ECD_P
ClientSampleId :
PB168927BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 02:12:41 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



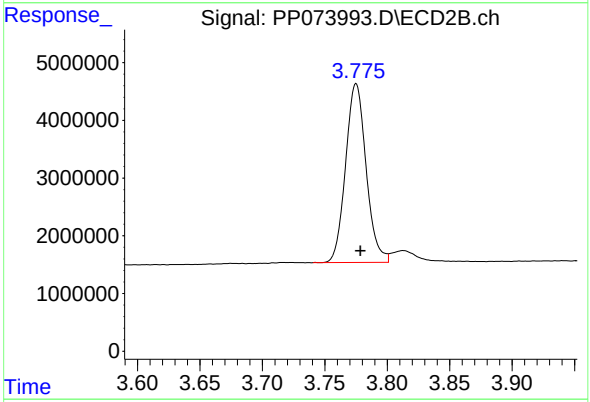




#1 Tetrachloro-m-xylene

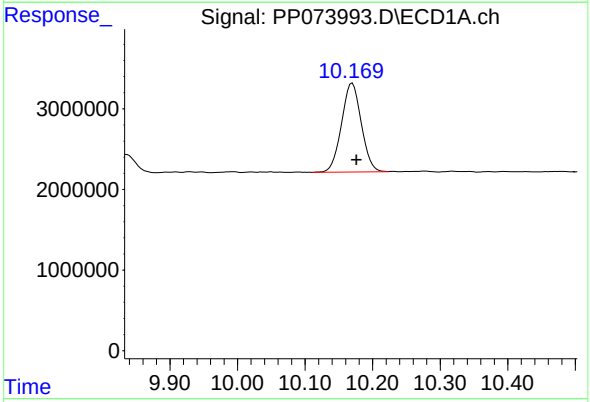
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 25710118
Conc: 18.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168927BS



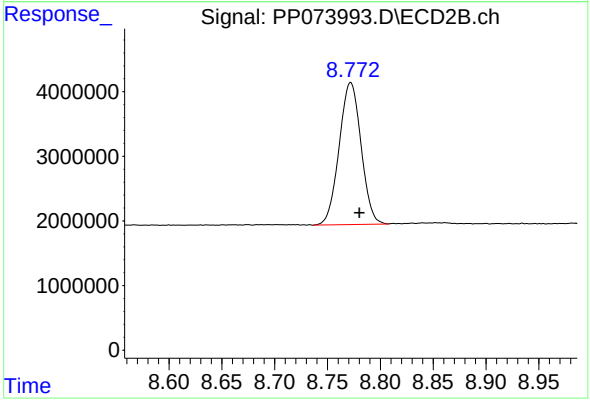
#1 Tetrachloro-m-xylene

R.T.: 3.775 min
Delta R.T.: -0.003 min
Response: 35503610
Conc: 19.27 ng/ml



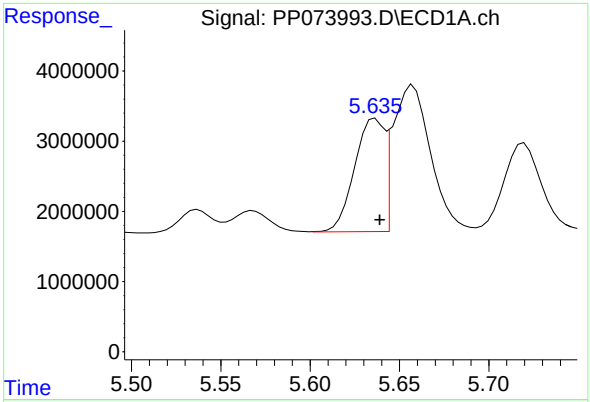
#2 Decachlorobiphenyl

R.T.: 10.170 min
Delta R.T.: -0.006 min
Response: 22397635
Conc: 20.53 ng/ml



#2 Decachlorobiphenyl

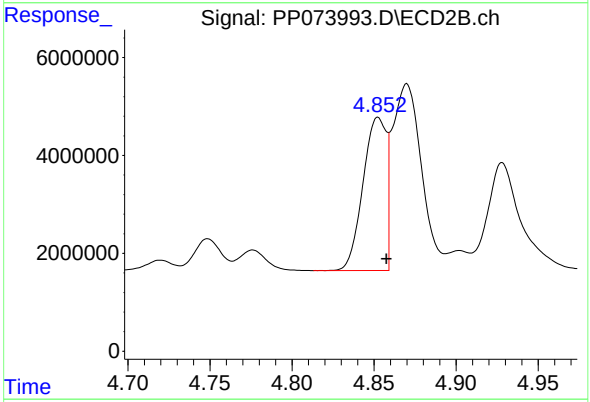
R.T.: 8.772 min
Delta R.T.: -0.008 min
Response: 31653782
Conc: 23.92 ng/ml



#3 AR-1016-1

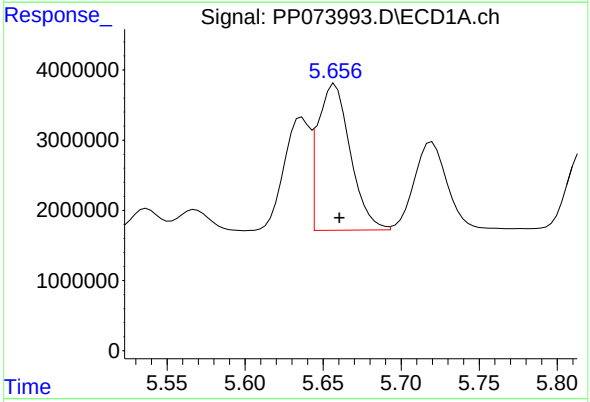
R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 18648947
Conc: 392.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168927BS



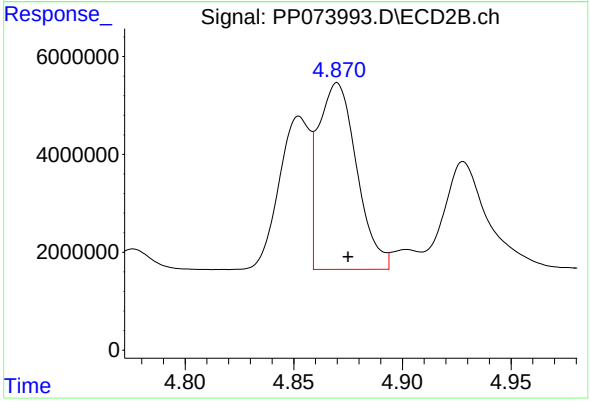
#3 AR-1016-1

R.T.: 4.852 min
Delta R.T.: -0.005 min
Response: 30859437
Conc: 452.65 ng/ml



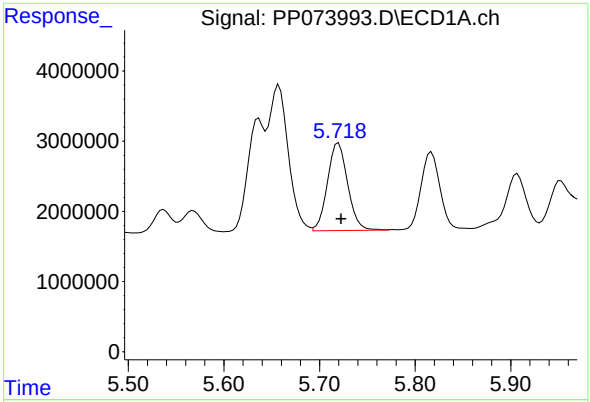
#4 AR-1016-2

R.T.: 5.658 min
Delta R.T.: -0.003 min
Response: 30337806
Conc: 426.00 ng/ml



#4 AR-1016-2

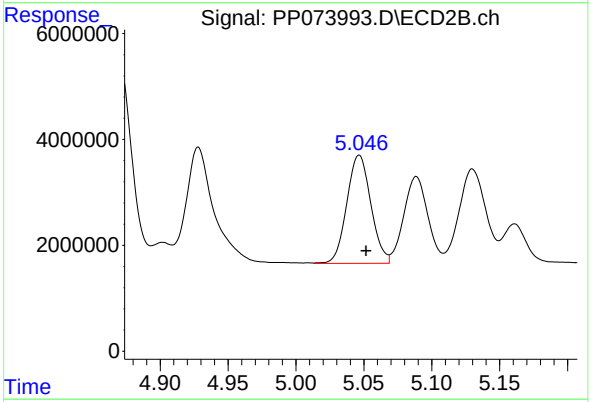
R.T.: 4.870 min
Delta R.T.: -0.005 min
Response: 46806903
Conc: 459.41 ng/ml



#5 AR-1016-3

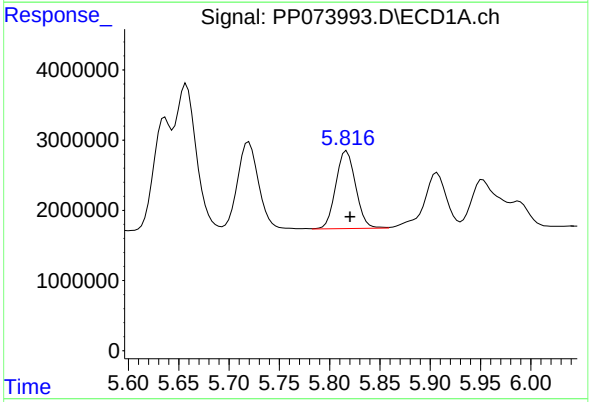
R.T.: 5.720 min
Delta R.T.: -0.003 min
Response: 18341794
Conc: 420.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168927BS



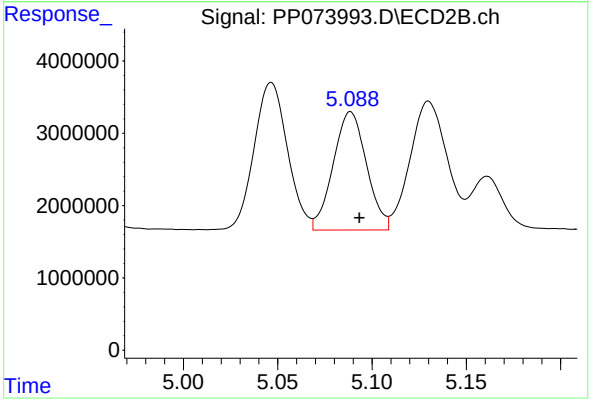
#5 AR-1016-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 25209696
Conc: 465.93 ng/ml



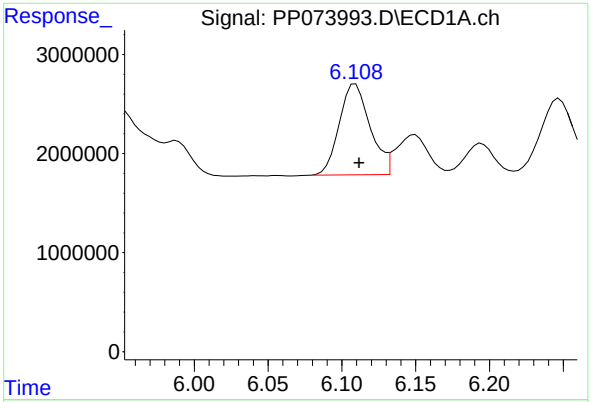
#6 AR-1016-4

R.T.: 5.817 min
Delta R.T.: -0.003 min
Response: 15197443
Conc: 422.79 ng/ml



#6 AR-1016-4

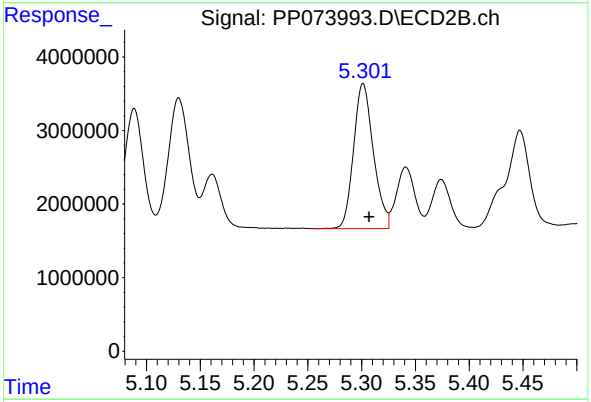
R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 20133996
Conc: 458.83 ng/ml



#7 AR-1016-5

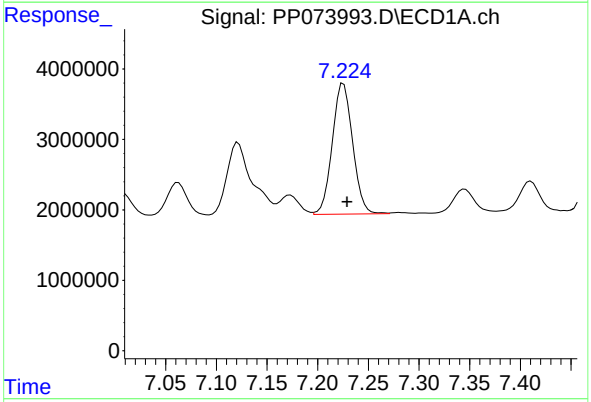
R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 13328312
Conc: 425.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168927BS



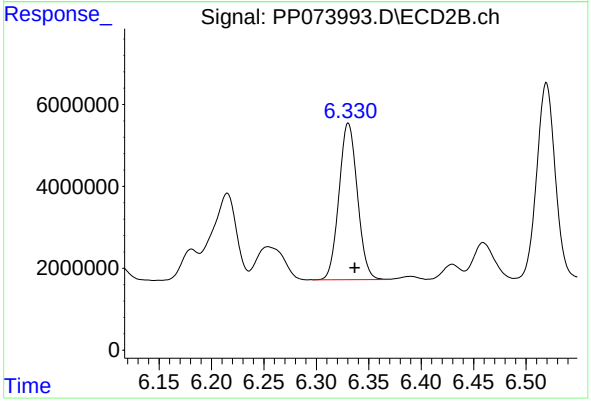
#7 AR-1016-5

R.T.: 5.301 min
Delta R.T.: -0.006 min
Response: 25250923
Conc: 462.62 ng/ml



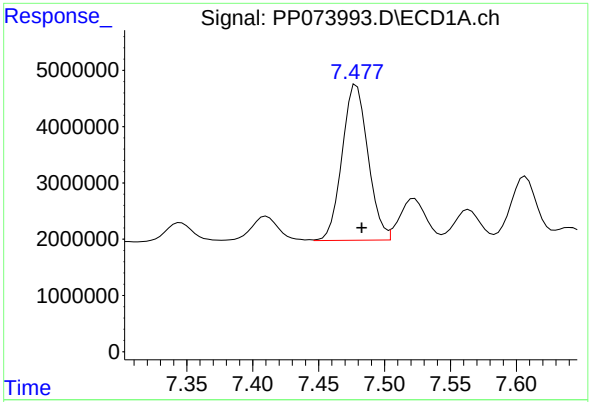
#31 AR-1260-1

R.T.: 7.226 min
Delta R.T.: -0.004 min
Response: 25980515
Conc: 440.64 ng/ml



#31 AR-1260-1

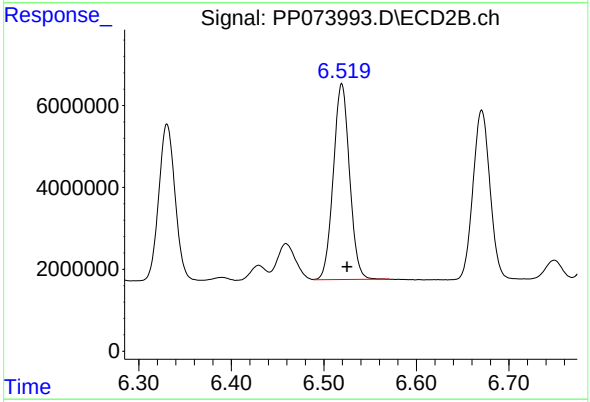
R.T.: 6.330 min
Delta R.T.: -0.006 min
Response: 46681069
Conc: 478.48 ng/ml



#32 AR-1260-2

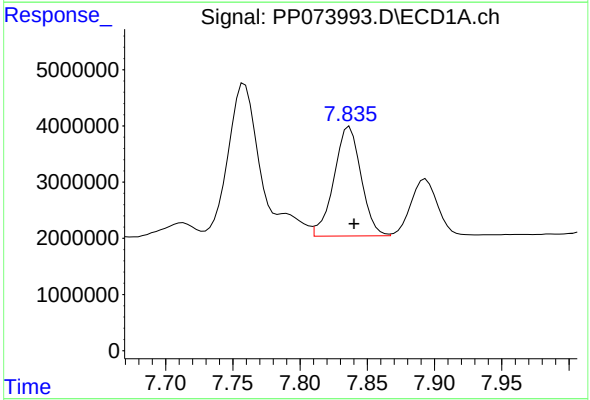
R.T.: 7.479 min
Delta R.T.: -0.004 min
Response: 37795564
Conc: 394.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168927BS



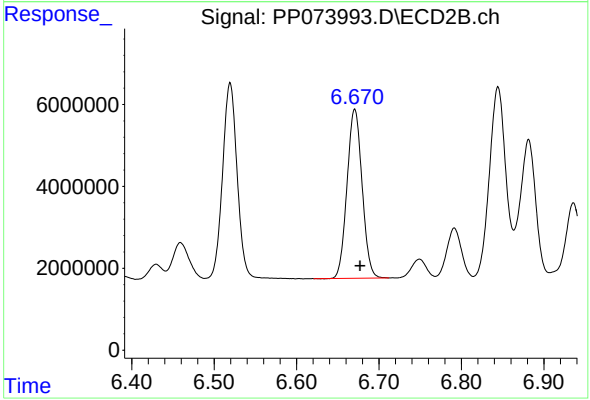
#32 AR-1260-2

R.T.: 6.519 min
Delta R.T.: -0.006 min
Response: 58282520
Conc: 474.47 ng/ml



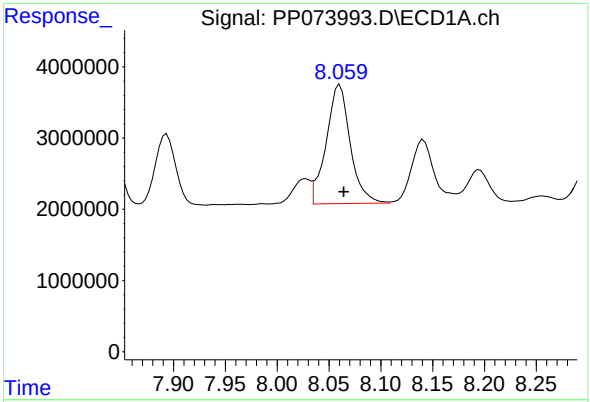
#33 AR-1260-3

R.T.: 7.837 min
Delta R.T.: -0.004 min
Response: 27297740
Conc: 373.58 ng/ml



#33 AR-1260-3

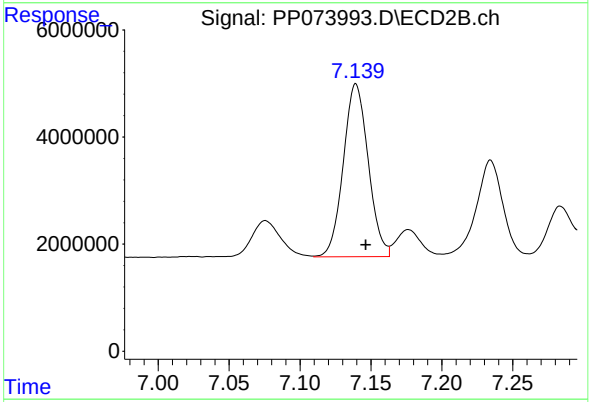
R.T.: 6.671 min
Delta R.T.: -0.006 min
Response: 52505882
Conc: 479.66 ng/ml



#34 AR-1260-4

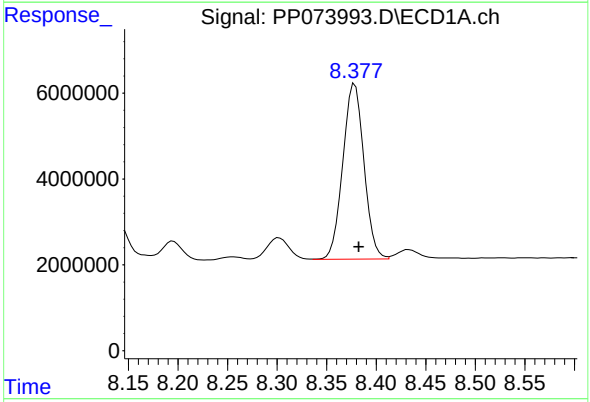
R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 26969847
Conc: 413.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168927BS



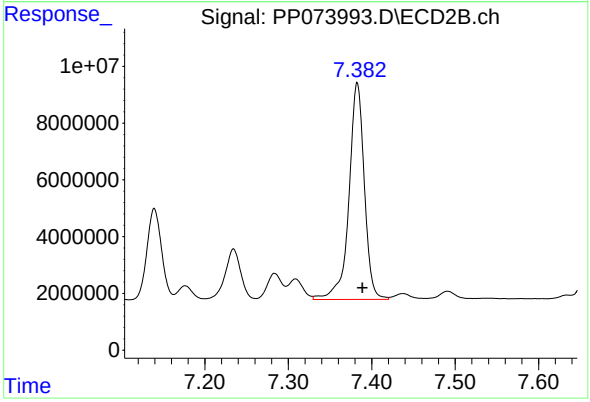
#34 AR-1260-4

R.T.: 7.139 min
Delta R.T.: -0.007 min
Response: 39497845
Conc: 441.77 ng/ml



#35 AR-1260-5

R.T.: 8.378 min
Delta R.T.: -0.004 min
Response: 60726734
Conc: 402.56 ng/ml



#35 AR-1260-5

R.T.: 7.383 min
Delta R.T.: -0.006 min
Response: 97958387
Conc: 435.88 ng/ml

Raw Data: **PP073984.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	RT2286MS	SDG No.:	Q2638
Lab Sample ID:	Q2635-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.8 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
PP073984.D	1	07/21/25 08:30	07/21/25 13:40	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	177		4.70	9.80	20.0	ug/kg
11104-28-2	Aroclor-1221	15.3	U	4.70	15.3	20.0	ug/kg
11141-16-5	Aroclor-1232	9.80	U	4.40	9.80	20.0	ug/kg
53469-21-9	Aroclor-1242	9.80	U	4.70	9.80	20.0	ug/kg
12672-29-6	Aroclor-1248	15.3	U	7.00	15.3	20.0	ug/kg
11097-69-1	Aroclor-1254	9.80	U	3.80	9.80	20.0	ug/kg
37324-23-5	Aroclor-1262	15.3	U	5.90	15.3	20.0	ug/kg
11100-14-4	Aroclor-1268	9.80	U	4.20	9.80	20.0	ug/kg
11096-82-5	Aroclor-1260	214		3.80	9.80	20.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		44 - 130		89%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		60 - 125		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

Sample Results: **PP073984.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:40
Operator : YP\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RT2286MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:50:37 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...	4.480	3.773	22954565	32913477	16.761m	17.866
2)	SA Decachlor...	10.168	8.770	19654459	26316757	18.014	19.889
	Target Compounds						
3)	L1 AR-1016-1	5.633	4.849	18863800	29465448	397.019	432.205
4)	L1 AR-1016-2	5.654	4.867	29837172	43500761	418.974	426.962
5)	L1 AR-1016-3	5.716	5.043	18207530	24326097	417.001	449.598
6)	L1 AR-1016-4	5.813	5.085	16224197	19663890	451.354	448.120
7)	L1 AR-1016-5	6.107	5.298	17720270	24867794	565.593	455.600
31)	L7 AR-1260-1	7.222	6.328	34694505	55075376	588.429	564.527
32)	L7 AR-1260-2	7.476	6.517	49718794	66621540	518.769	542.355
33)	L7 AR-1260-3	7.834	6.668	37706644	60304176	516.030	550.905
34)	L7 AR-1260-4	8.058	7.137	36868595	47082456	564.604	526.600
35)	L7 AR-1260-5	8.375	7.380	80346257	117.2E6	532.614	521.396

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:40
Operator : YP\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

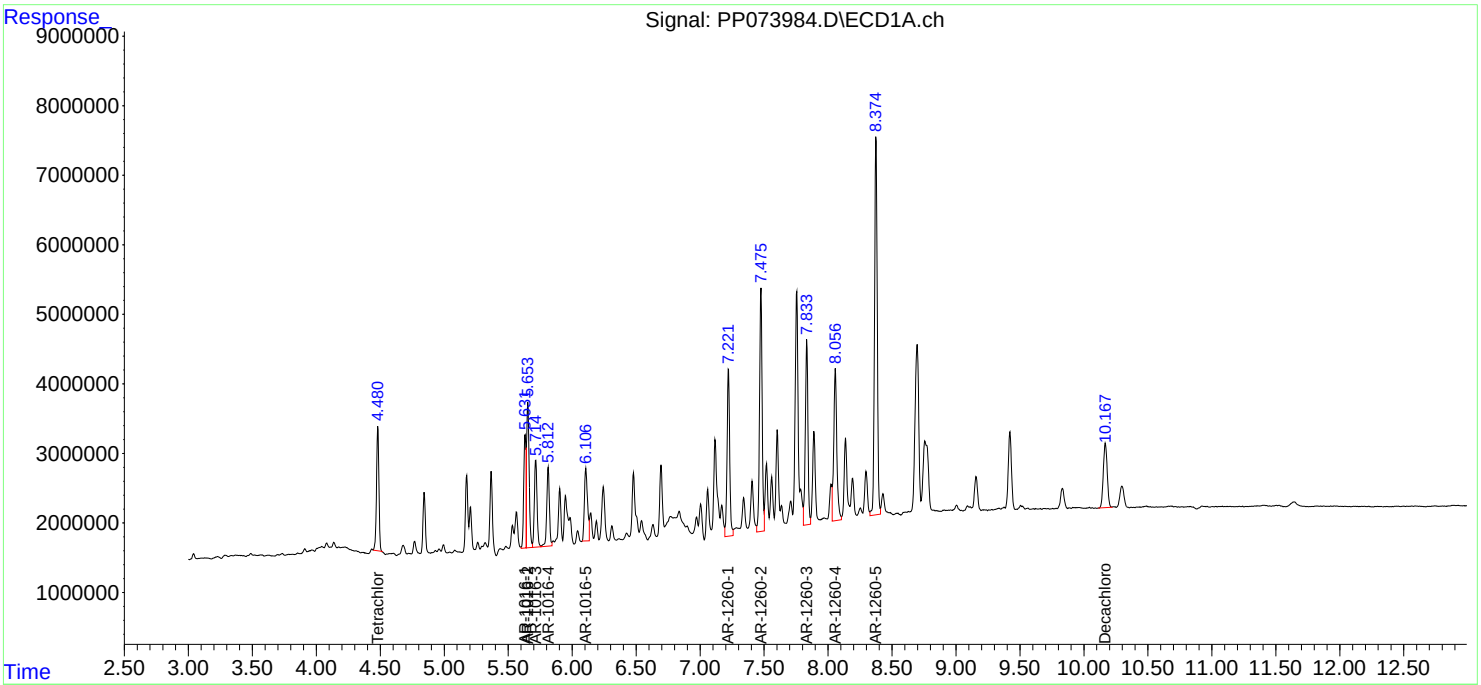
Instrument :
ECD_P
ClientSampleId :
RT2286MS

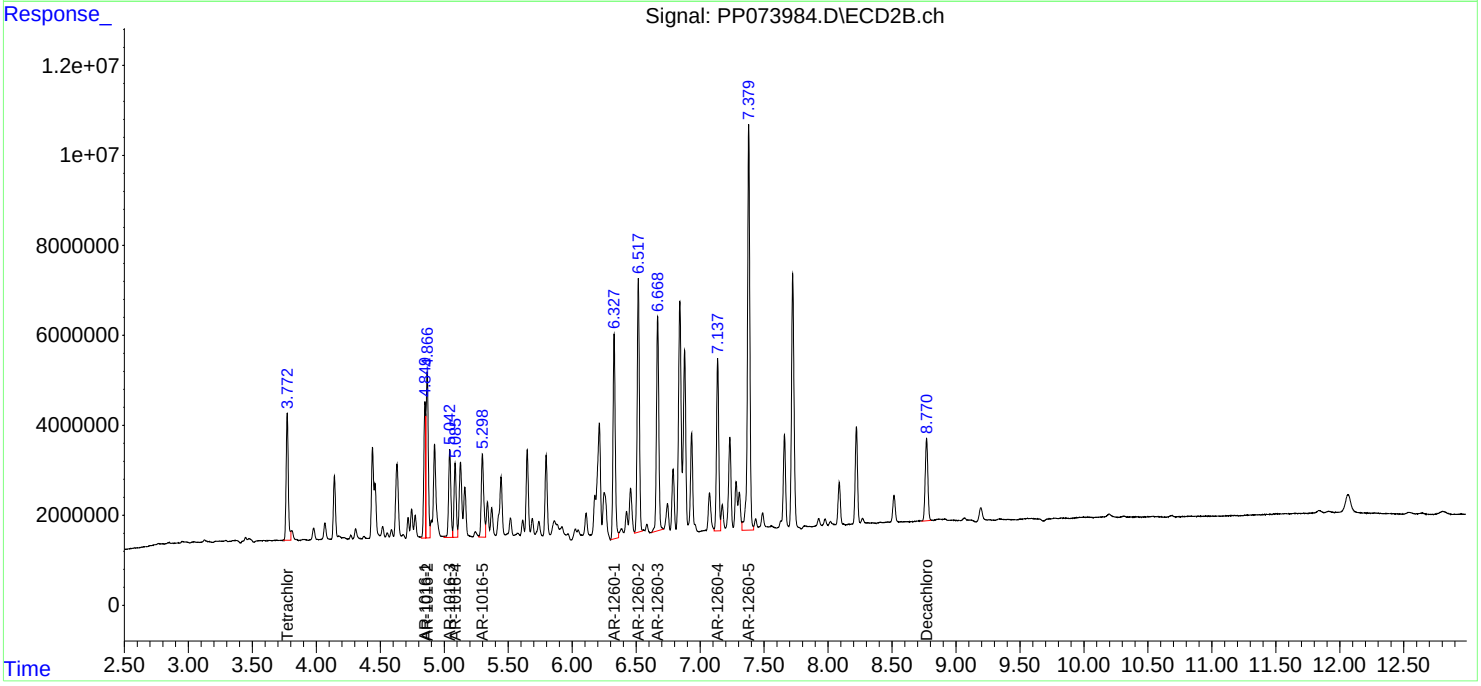
Manual Integrations APPROVED

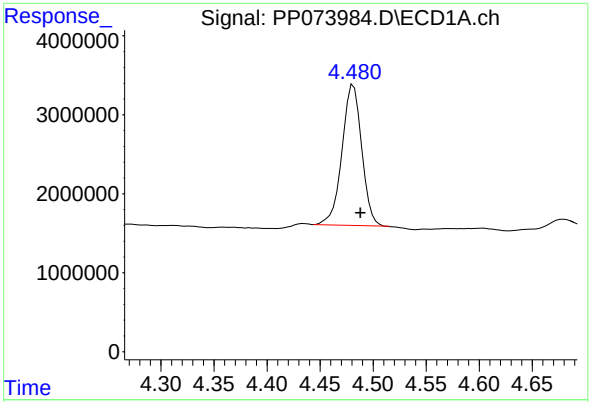
Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:50:37 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







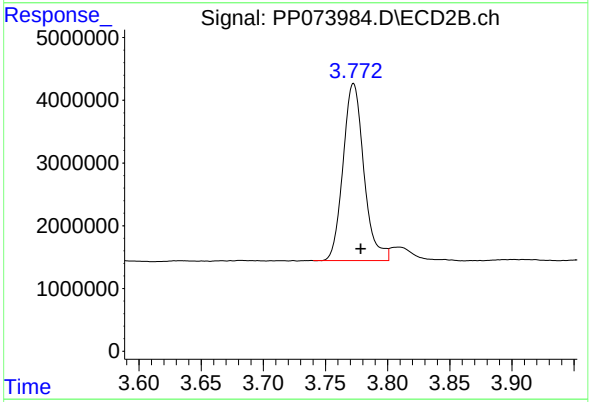
#1 Tetrachloro-m-xylene

R.T.: 4.480 min
Delta R.T.: -0.008 min
Response: 22954565
Conc: 16.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS

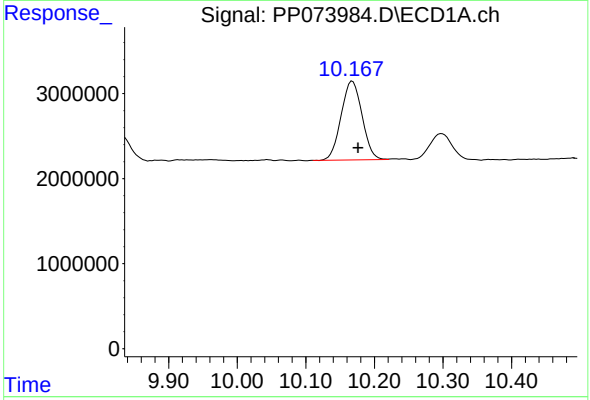
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



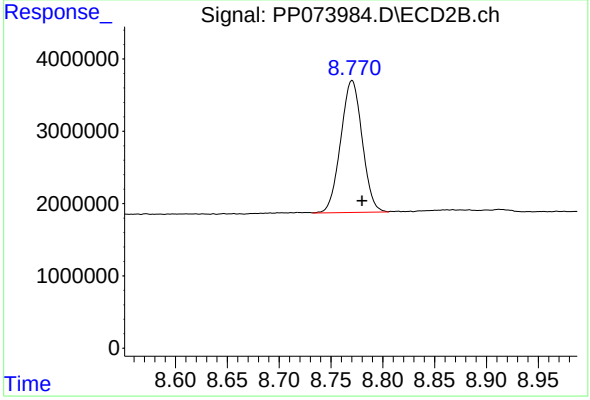
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: -0.006 min
Response: 32913477
Conc: 17.87 ng/ml



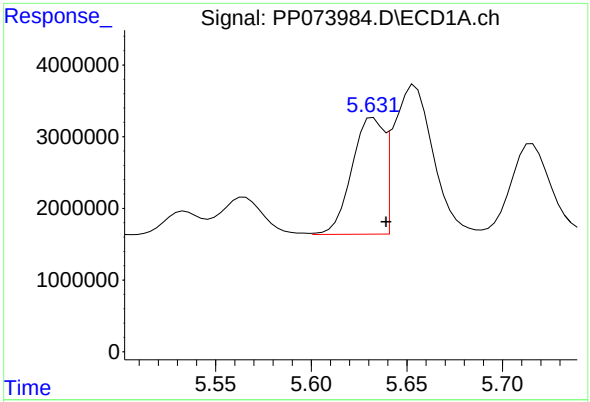
#2 Decachlorobiphenyl

R.T.: 10.168 min
Delta R.T.: -0.008 min
Response: 19654459
Conc: 18.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.770 min
Delta R.T.: -0.010 min
Response: 26316757
Conc: 19.89 ng/ml



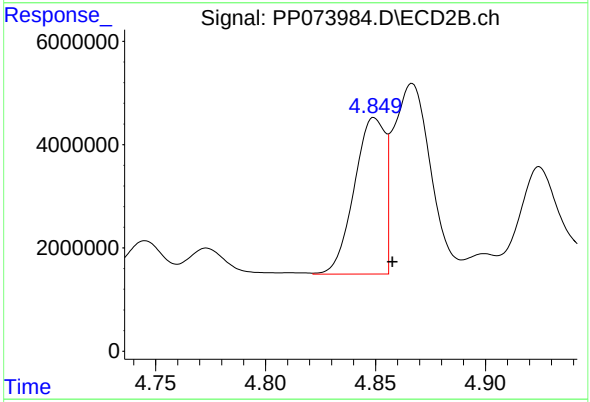
#3 AR-1016-1

R.T.: 5.633 min
Delta R.T.: -0.006 min
Response: 18863800
Conc: 397.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS

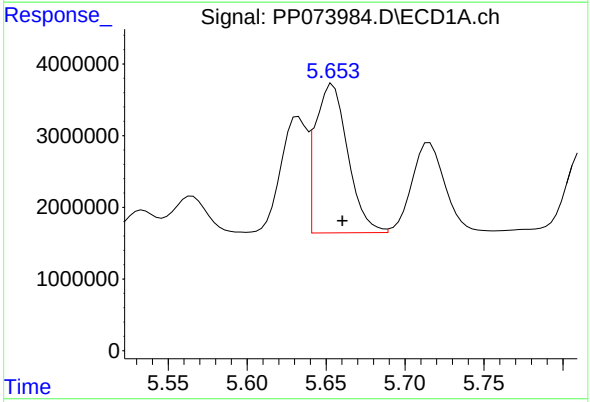
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



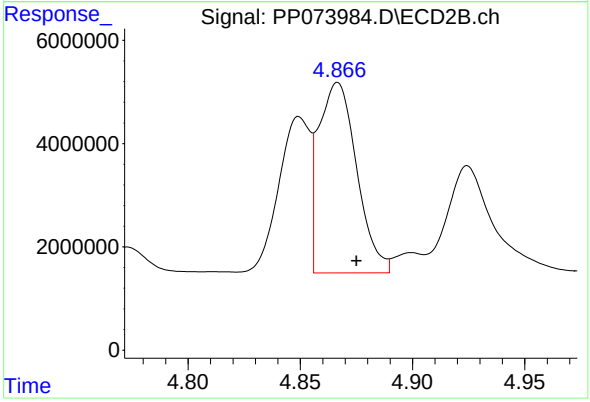
#3 AR-1016-1

R.T.: 4.849 min
Delta R.T.: -0.008 min
Response: 29465448
Conc: 432.20 ng/ml



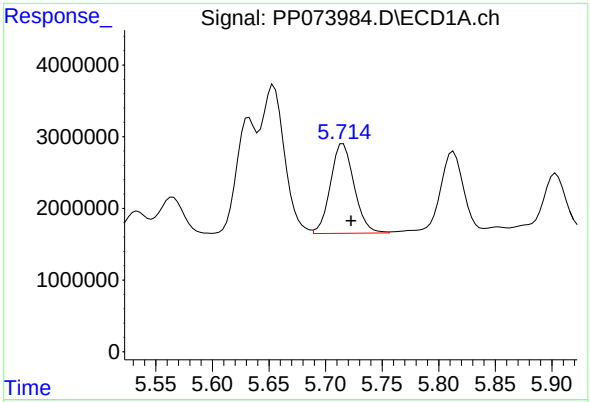
#4 AR-1016-2

R.T.: 5.654 min
Delta R.T.: -0.006 min
Response: 29837172
Conc: 418.97 ng/ml



#4 AR-1016-2

R.T.: 4.867 min
Delta R.T.: -0.008 min
Response: 43500761
Conc: 426.96 ng/ml



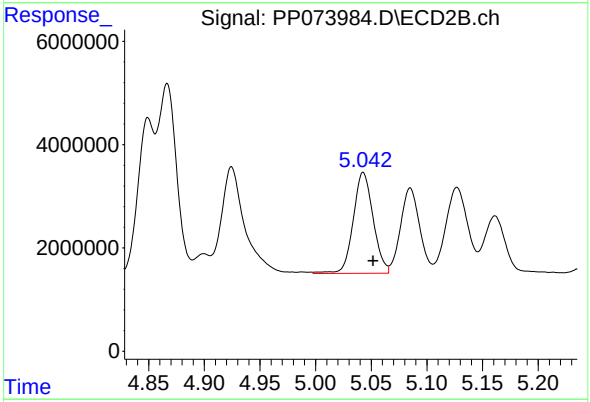
#5 AR-1016-3

R.T.: 5.716 min
Delta R.T.: -0.007 min
Response: 18207530
Conc: 417.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS

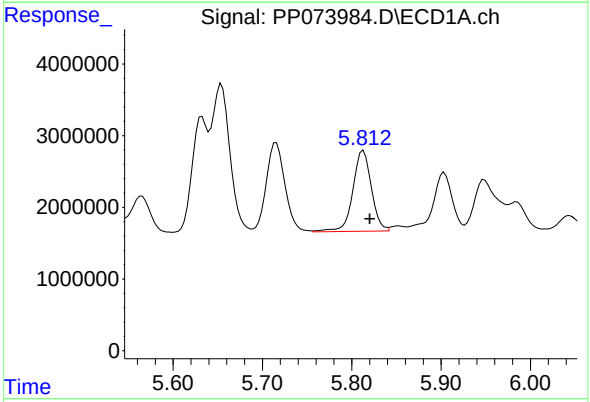
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



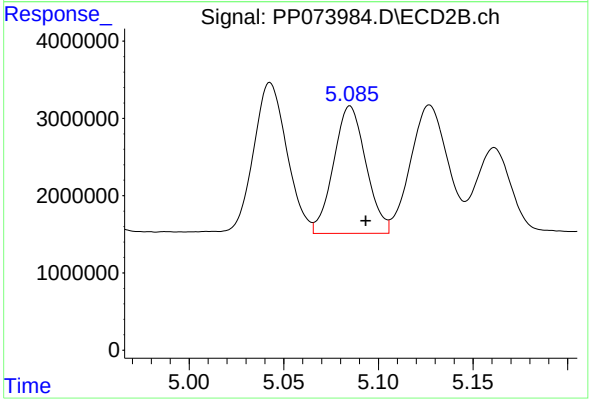
#5 AR-1016-3

R.T.: 5.043 min
Delta R.T.: -0.009 min
Response: 24326097
Conc: 449.60 ng/ml



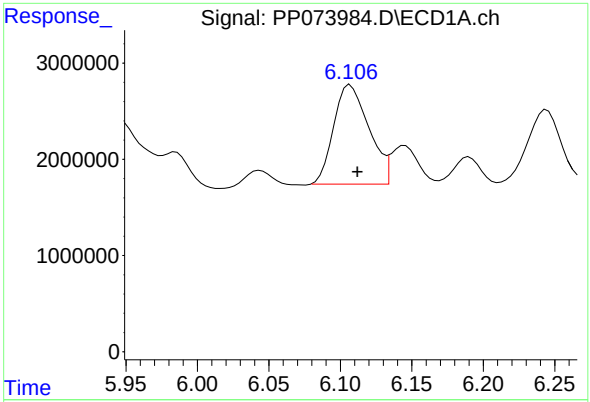
#6 AR-1016-4

R.T.: 5.813 min
Delta R.T.: -0.007 min
Response: 16224197
Conc: 451.35 ng/ml



#6 AR-1016-4

R.T.: 5.085 min
Delta R.T.: -0.008 min
Response: 19663890
Conc: 448.12 ng/ml



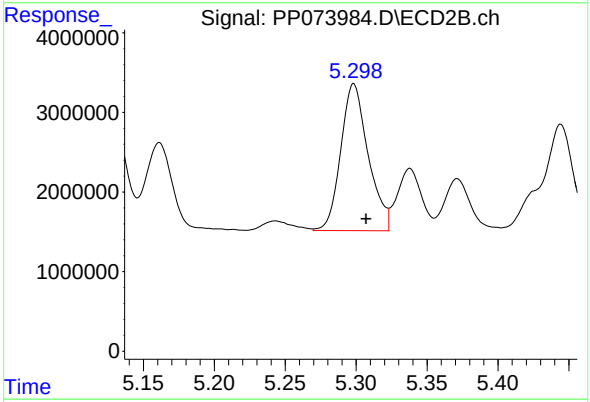
#7 AR-1016-5

R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 17720270
Conc: 565.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS

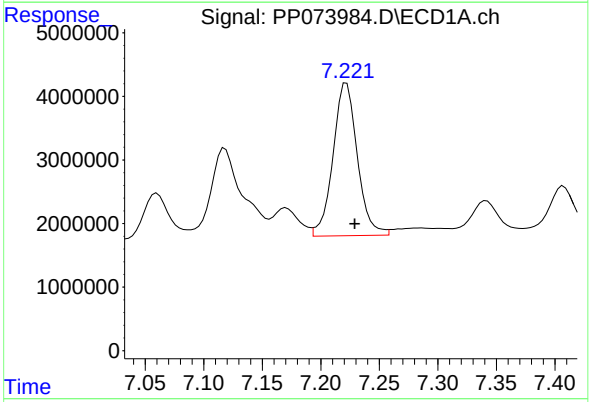
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



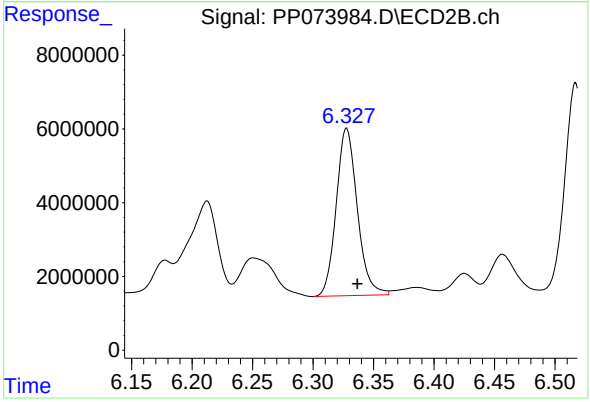
#7 AR-1016-5

R.T.: 5.298 min
Delta R.T.: -0.009 min
Response: 24867794
Conc: 455.60 ng/ml



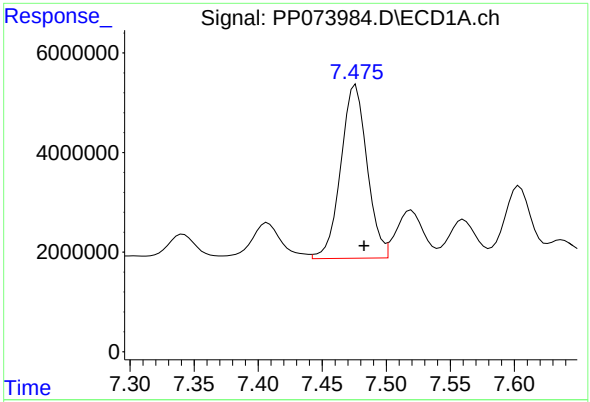
#31 AR-1260-1

R.T.: 7.222 min
Delta R.T.: -0.007 min
Response: 34694505
Conc: 588.43 ng/ml



#31 AR-1260-1

R.T.: 6.328 min
Delta R.T.: -0.009 min
Response: 55075376
Conc: 564.53 ng/ml



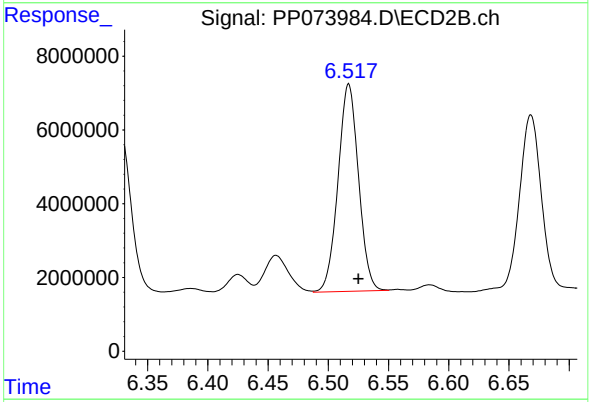
#32 AR-1260-2

R.T.: 7.476 min
Delta R.T.: -0.007 min
Response: 49718794
Conc: 518.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS

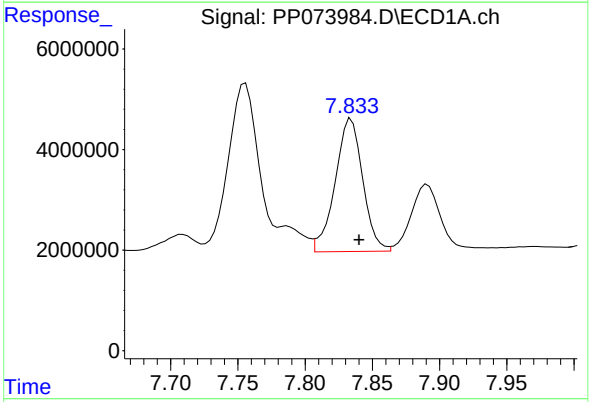
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



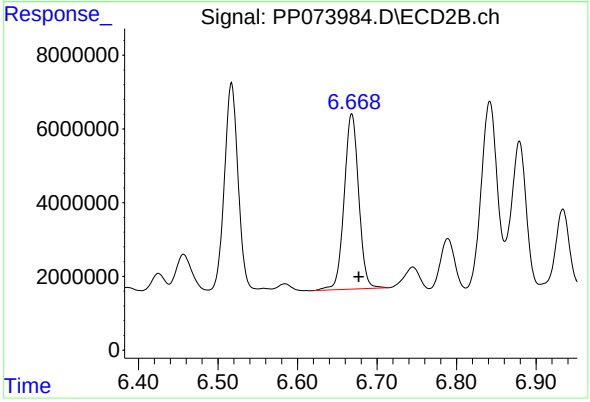
#32 AR-1260-2

R.T.: 6.517 min
Delta R.T.: -0.008 min
Response: 66621540
Conc: 542.35 ng/ml



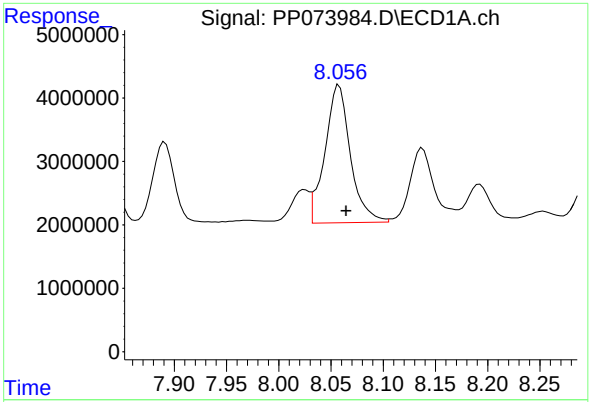
#33 AR-1260-3

R.T.: 7.834 min
Delta R.T.: -0.006 min
Response: 37706644
Conc: 516.03 ng/ml



#33 AR-1260-3

R.T.: 6.668 min
Delta R.T.: -0.009 min
Response: 60304176
Conc: 550.91 ng/ml



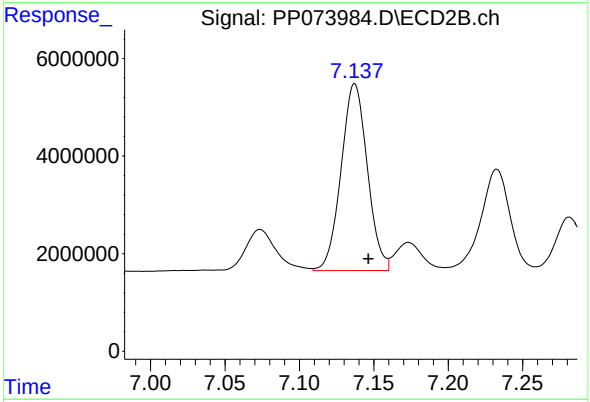
#34 AR-1260-4

R.T.: 8.058 min
Delta R.T.: -0.007 min
Response: 36868595
Conc: 564.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS

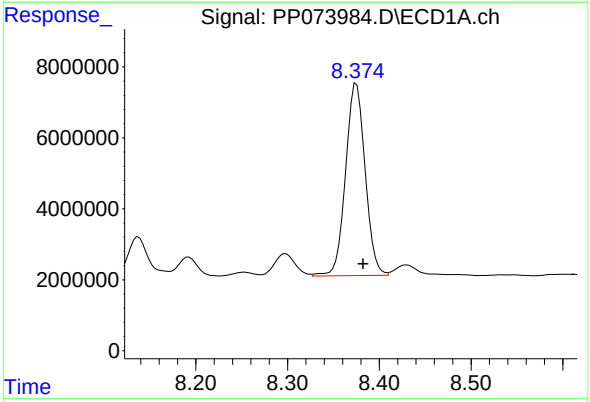
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



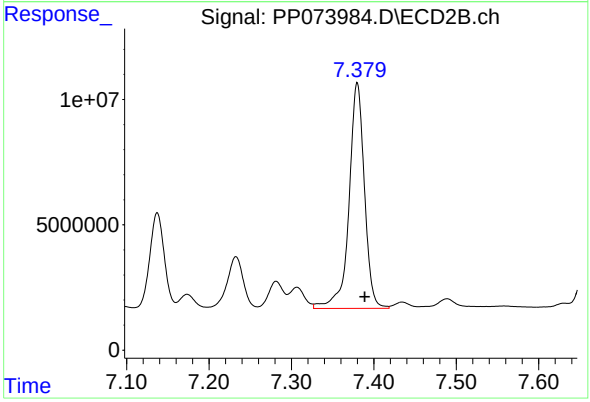
#34 AR-1260-4

R.T.: 7.137 min
Delta R.T.: -0.009 min
Response: 47082456
Conc: 526.60 ng/ml



#35 AR-1260-5

R.T.: 8.375 min
Delta R.T.: -0.007 min
Response: 80346257
Conc: 532.61 ng/ml



#35 AR-1260-5

R.T.: 7.380 min
Delta R.T.: -0.009 min
Response: 117176775
Conc: 521.40 ng/ml

Raw Data: **PP073985.D**

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	RT2286MSD	SDG No.:	Q2638
Lab Sample ID:	Q2635-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.8 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073985.D	1	07/21/25 08:30	07/21/25 13:56	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	177		4.70	9.80	20.0	ug/kg
11104-28-2	Aroclor-1221	15.3	U	4.70	15.3	20.0	ug/kg
11141-16-5	Aroclor-1232	9.80	U	4.40	9.80	20.0	ug/kg
53469-21-9	Aroclor-1242	9.80	U	4.70	9.80	20.0	ug/kg
12672-29-6	Aroclor-1248	15.3	U	7.00	15.3	20.0	ug/kg
11097-69-1	Aroclor-1254	9.80	U	3.80	9.80	20.0	ug/kg
37324-23-5	Aroclor-1262	15.3	U	5.90	15.3	20.0	ug/kg
11100-14-4	Aroclor-1268	9.80	U	4.20	9.80	20.0	ug/kg
11096-82-5	Aroclor-1260	211		3.80	9.80	20.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		44 - 130		89%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		60 - 125		97%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PP073985.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:56
Operator : YP\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:51:16 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...	4.485	3.774	23007780	32891692	16.800	17.854
2)	SA Decachlor...	10.171	8.771	19437749	25634073	17.816	19.374
	Target Compounds						
3)	L1 AR-1016-1	5.636	4.851	18736879	29541322	394.348	433.318
4)	L1 AR-1016-2	5.657	4.869	30133135	43844893	423.130	430.340
5)	L1 AR-1016-3	5.719	5.045	18269038	24208384	418.409	447.422
6)	L1 AR-1016-4	5.816	5.087	16118675	19716668	448.419	449.323
7)	L1 AR-1016-5	6.110	5.300	17783528	24543584	567.612	449.660
31)	L7 AR-1260-1	7.224	6.330	31705759	54851085	537.739m	562.228
32)	L7 AR-1260-2	7.478	6.518	47342830	65815583	493.978m	535.794
33)	L7 AR-1260-3	7.837	6.670	37810191	59476912	517.447	543.348
34)	L7 AR-1260-4	8.059	7.139	38655725	46277558	591.972m	517.597
35)	L7 AR-1260-5	8.378	7.383	80997949	117.0E6	536.934	520.578

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:56
Operator : YP\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

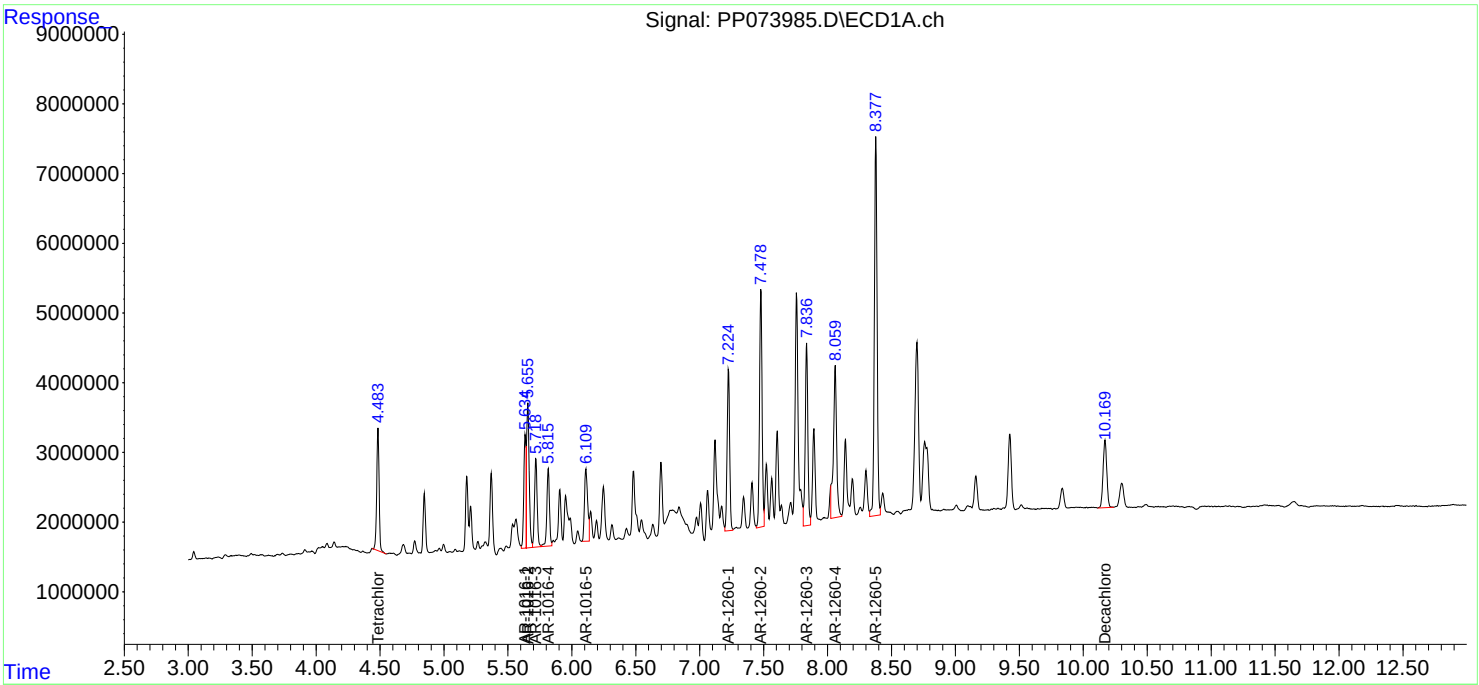
Instrument :
ECD_P
ClientSampleId :
RT2286MSD

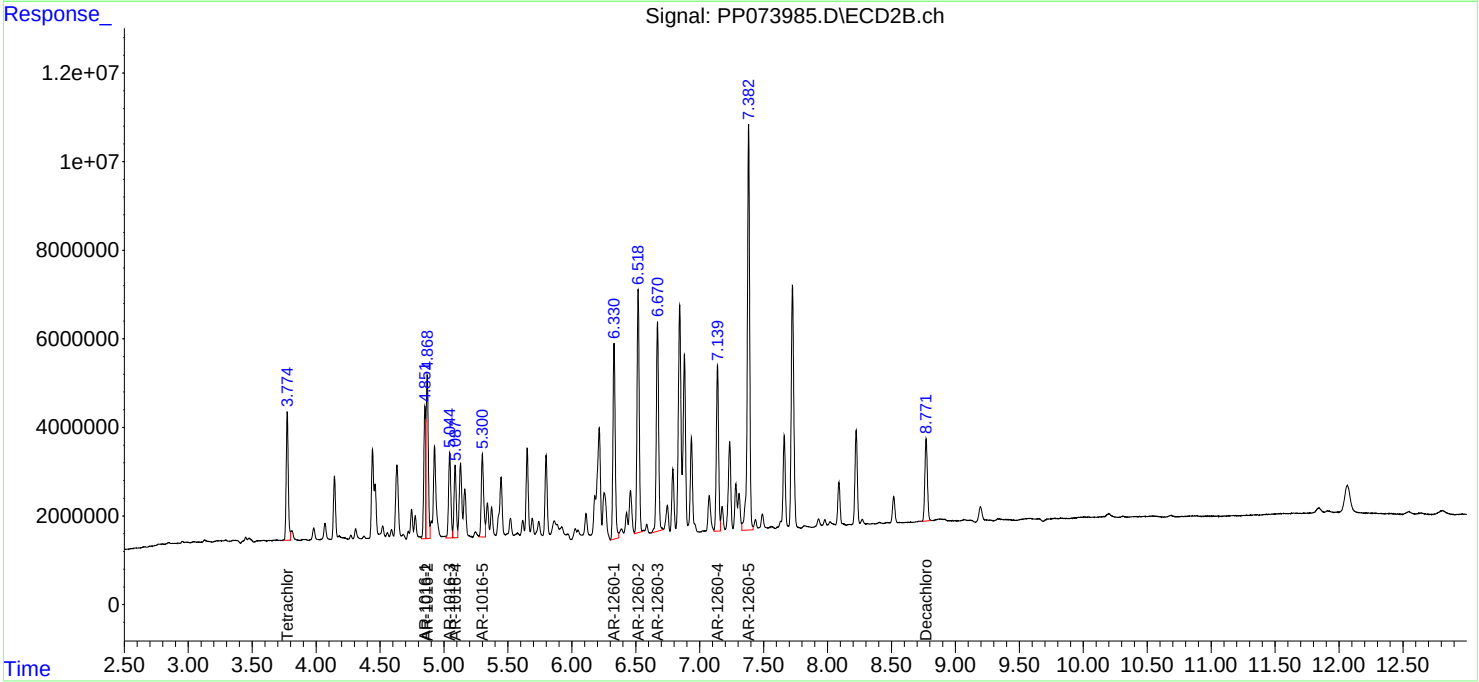
Manual Integrations APPROVED

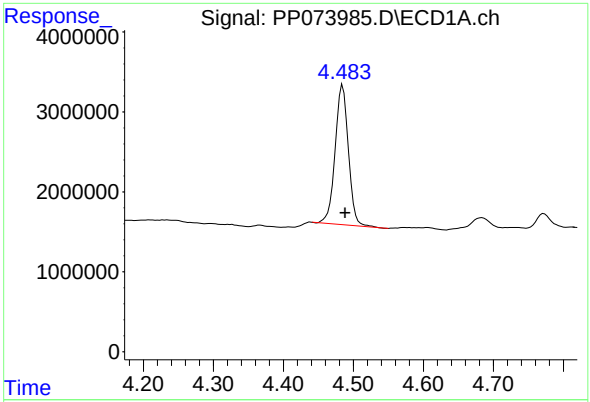
Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:51:16 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







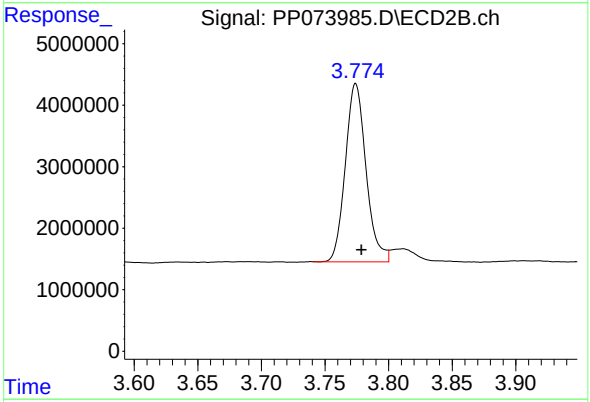
#1 Tetrachloro-m-xylene

R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 23007780
Conc: 16.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

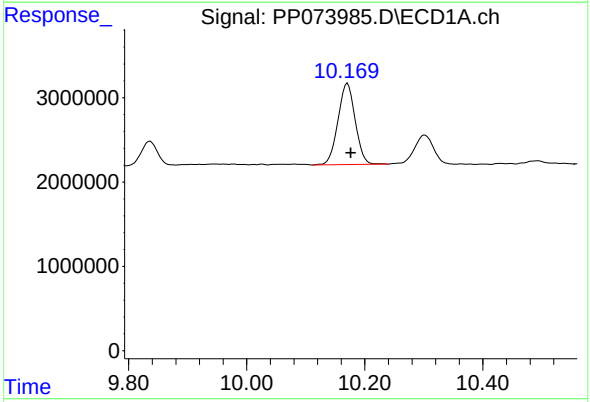
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



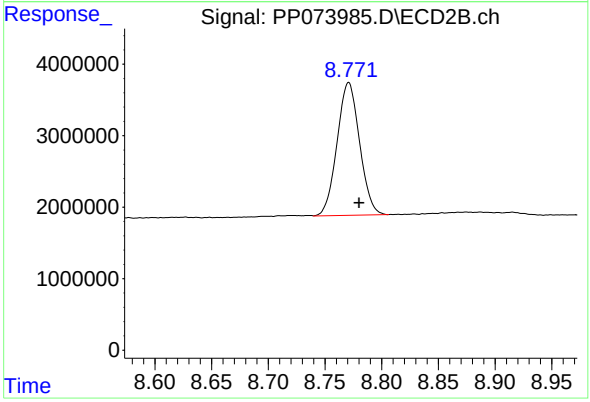
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.004 min
Response: 32891692
Conc: 17.85 ng/ml



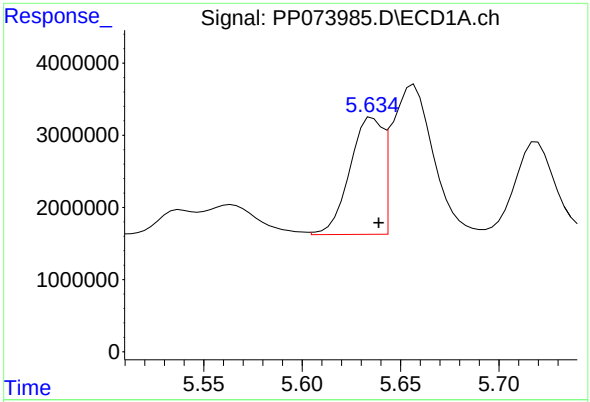
#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 19437749
Conc: 17.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.771 min
Delta R.T.: -0.009 min
Response: 25634073
Conc: 19.37 ng/ml



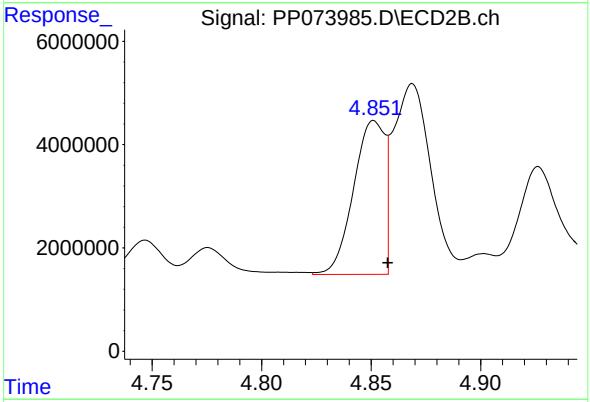
#3 AR-1016-1

R.T.: 5.636 min
Delta R.T.: -0.003 min
Response: 18736879
Conc: 394.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

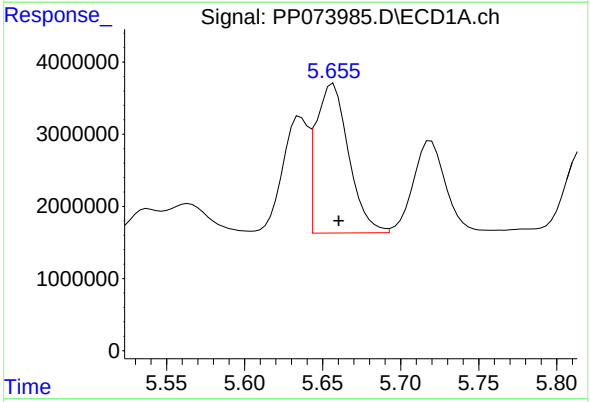
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



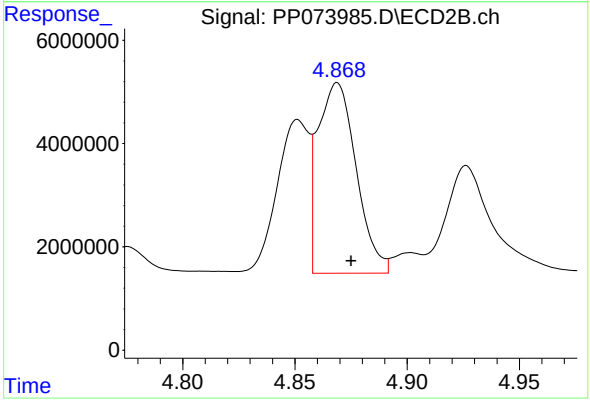
#3 AR-1016-1

R.T.: 4.851 min
Delta R.T.: -0.006 min
Response: 29541322
Conc: 433.32 ng/ml



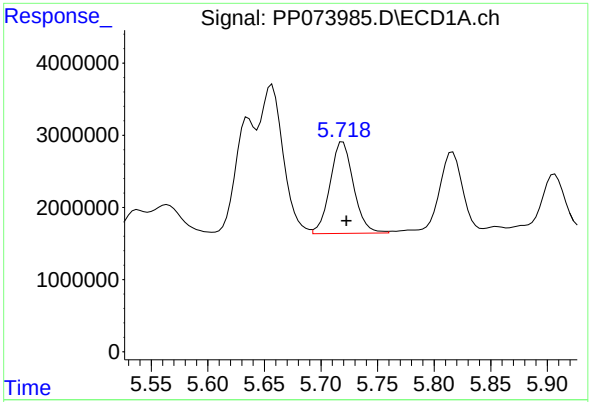
#4 AR-1016-2

R.T.: 5.657 min
Delta R.T.: -0.004 min
Response: 30133135
Conc: 423.13 ng/ml



#4 AR-1016-2

R.T.: 4.869 min
Delta R.T.: -0.006 min
Response: 43844893
Conc: 430.34 ng/ml



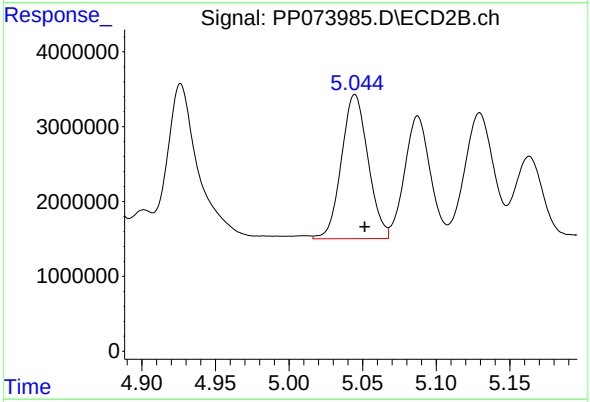
#5 AR-1016-3

R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 18269038
Conc: 418.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

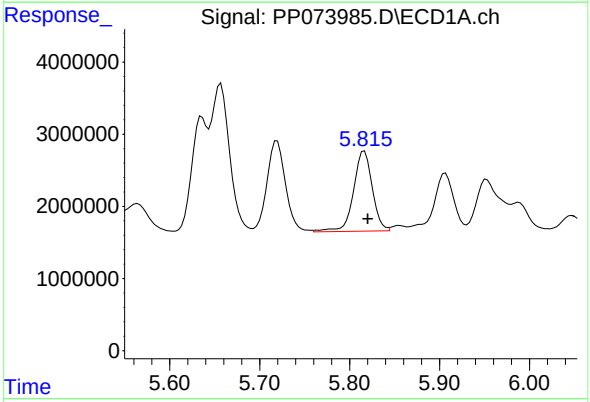
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



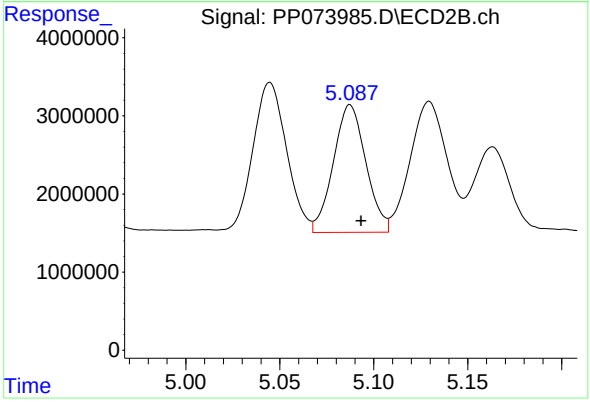
#5 AR-1016-3

R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 24208384
Conc: 447.42 ng/ml



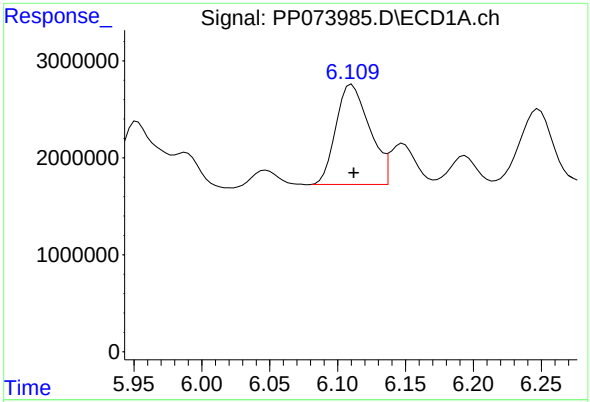
#6 AR-1016-4

R.T.: 5.816 min
Delta R.T.: -0.004 min
Response: 16118675
Conc: 448.42 ng/ml



#6 AR-1016-4

R.T.: 5.087 min
Delta R.T.: -0.006 min
Response: 19716668
Conc: 449.32 ng/ml



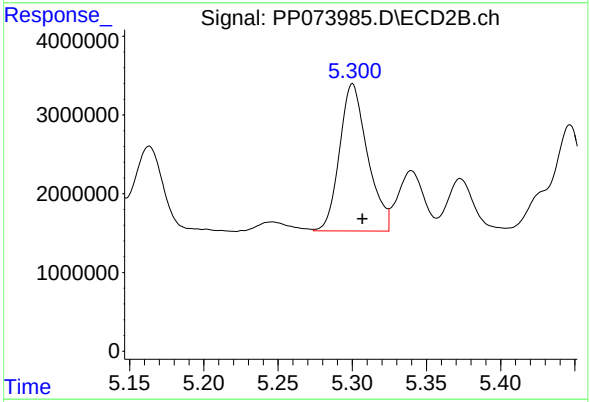
#7 AR-1016-5

R.T.: 6.110 min
Delta R.T.: -0.001 min
Response: 17783528
Conc: 567.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

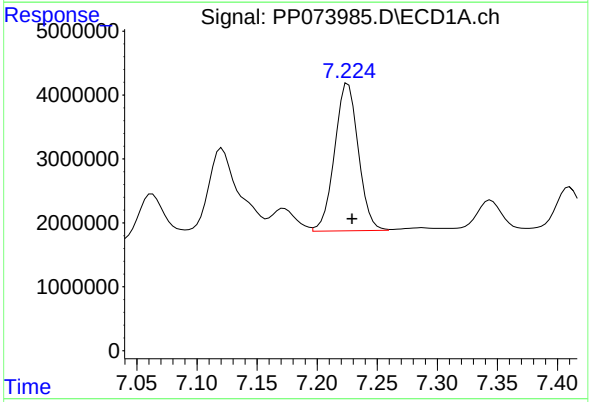
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



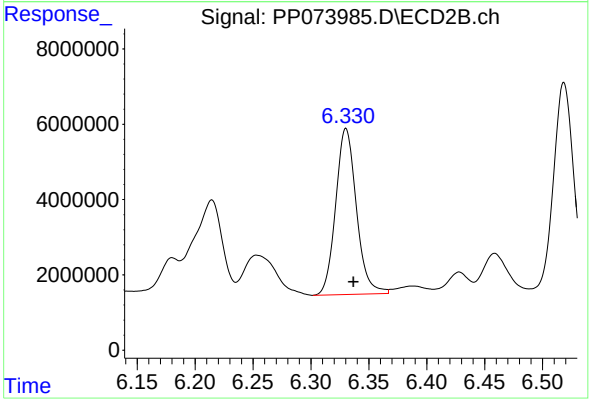
#7 AR-1016-5

R.T.: 5.300 min
Delta R.T.: -0.007 min
Response: 24543584
Conc: 449.66 ng/ml



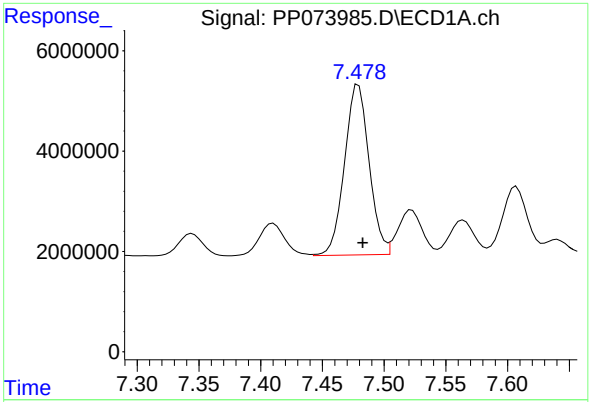
#31 AR-1260-1

R.T.: 7.224 min
Delta R.T.: -0.005 min
Response: 31705759
Conc: 537.74 ng/ml m



#31 AR-1260-1

R.T.: 6.330 min
Delta R.T.: -0.006 min
Response: 54851085
Conc: 562.23 ng/ml



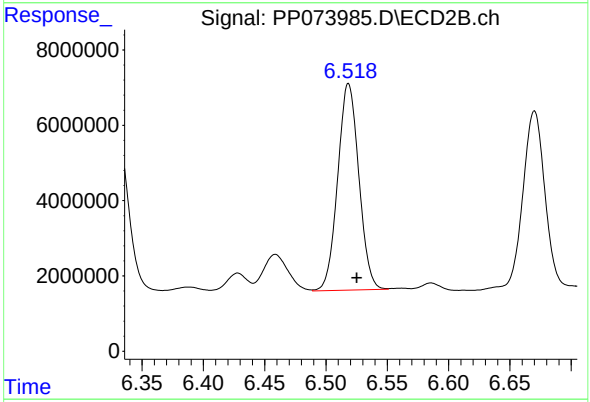
#32 AR-1260-2

R.T.: 7.478 min
Delta R.T.: -0.005 min
Response: 47342830
Conc: 493.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

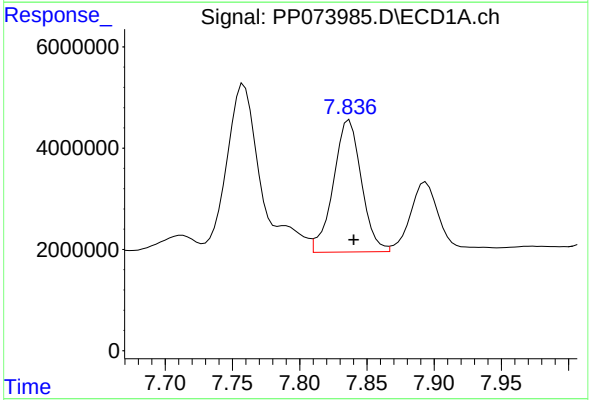
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



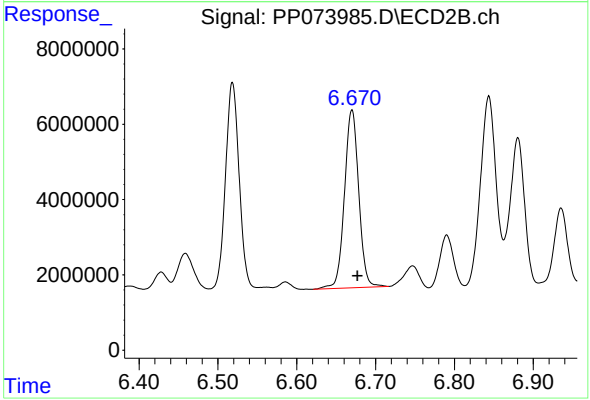
#32 AR-1260-2

R.T.: 6.518 min
Delta R.T.: -0.007 min
Response: 65815583
Conc: 535.79 ng/ml



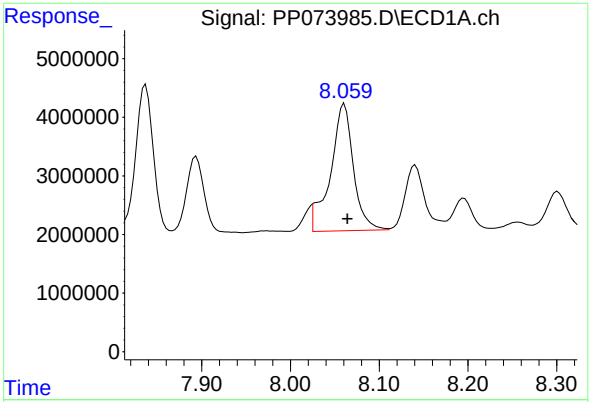
#33 AR-1260-3

R.T.: 7.837 min
Delta R.T.: -0.003 min
Response: 37810191
Conc: 517.45 ng/ml



#33 AR-1260-3

R.T.: 6.670 min
Delta R.T.: -0.007 min
Response: 59476912
Conc: 543.35 ng/ml



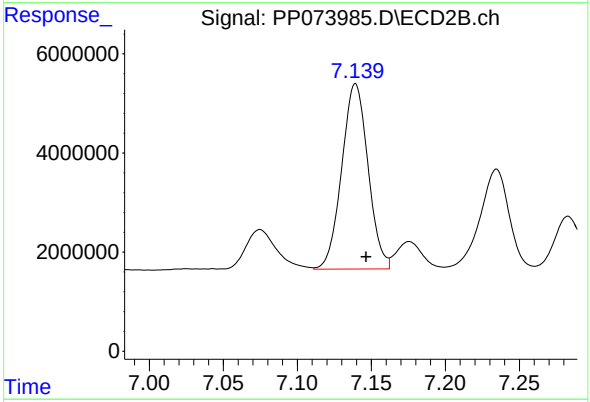
#34 AR-1260-4

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 38655725
Conc: 591.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

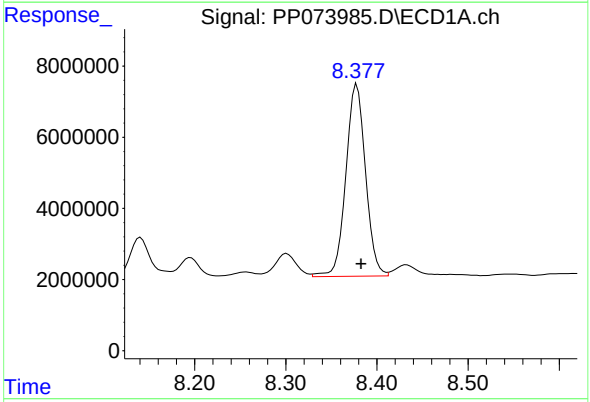
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



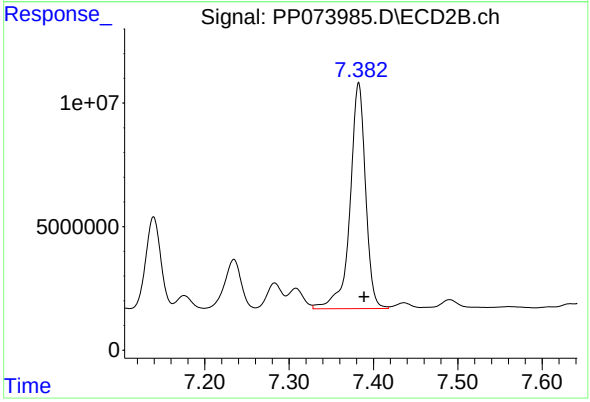
#34 AR-1260-4

R.T.: 7.139 min
Delta R.T.: -0.007 min
Response: 46277558
Conc: 517.60 ng/ml



#35 AR-1260-5

R.T.: 8.378 min
Delta R.T.: -0.005 min
Response: 80997949
Conc: 536.93 ng/ml



#35 AR-1260-5

R.T.: 7.383 min
Delta R.T.: -0.006 min
Response: 116992994
Conc: 520.58 ng/ml

Alliance TECHNICAL GROUP
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:	pp072125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2635-01MS	PP073984.D	Tetrachloro-m-xylene	yogesh	7/22/2025 12:09:26 PM	mohammad	7/23/2025 1:32:53	Peak Integrated by Software
Q2635-01MSD	PP073985.D	AR-1260-1	yogesh	7/22/2025 8:25:03 AM	mohammad	7/23/2025 1:32:53	Peak Integrated by Software
Q2635-01MSD	PP073985.D	AR-1260-2	yogesh	7/22/2025 8:25:03 AM	mohammad	7/23/2025 1:32:53	Peak Integrated by Software
Q2635-01MSD	PP073985.D	AR-1260-4	yogesh	7/22/2025 8:25:03 AM	mohammad	7/23/2025 1:32:53	Peak Integrated by Software
AR1248CCC500	PP074004.D	AR-1248-3	yogesh	7/22/2025 12:09:29 PM	mohammad	7/23/2025 1:32:53	Peak Integrated by Software
AR1660CCC500	PP074017.D	AR-1260-2	yogesh	7/22/2025 8:25:17 AM	mohammad	7/23/2025 1:32:53	Peak Integrated by Software
AR1242CCC500	PP074018.D	Decachlorobiphenyl #2	yogesh	7/22/2025 12:09:32 PM	mohammad	7/23/2025 1:32:53	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PQ072225	Instrument	ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PQ070555.D	AR-1260-1	yogesh	7/23/2025 12:17:46 PM	mohammad	7/25/2025 3:53:55	Peak Integrated by Software
AR1660ICC050	PQ070555.D	AR-1260-1 #2	yogesh	7/23/2025 12:17:46 PM	mohammad	7/25/2025 3:53:55	Peak Integrated by Software
AR1660ICC050	PQ070555.D	AR-1260-2	yogesh	7/23/2025 12:17:46 PM	mohammad	7/25/2025 3:53:55	Peak Integrated by Software
AR1254ICC050	PQ070572.D	AR-1254-1 #2	yogesh	7/24/2025 7:42:31 AM	mohammad	7/25/2025 3:53:55	Peak Integrated by Software
AR1254ICC050	PQ070572.D	AR-1254-2 #2	yogesh	7/24/2025 7:42:31 AM	mohammad	7/25/2025 3:53:55	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pq072325	Instrument	ECD_q

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

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	

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,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	

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	PP070825ICV500	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 # PP072125

Review By	yogesh	Review On	7/21/2025 11:07:59 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:32:53 AM		
SubDirectory	PP072125	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	PP073971.D	21 Jul 2025 08:35	YP\AJ	Ok
2	AR1660CCC500	PP073972.D	21 Jul 2025 08:51	YP\AJ	Ok
3	AR1242CCC500	PP073973.D	21 Jul 2025 09:08	YP\AJ	Ok
4	AR1248CCC500	PP073974.D	21 Jul 2025 09:24	YP\AJ	Ok
5	AR1254CCC500	PP073975.D	21 Jul 2025 09:40	YP\AJ	Ok
6	I.BLK	PP073976.D	21 Jul 2025 09:56	YP\AJ	Ok
7	DDT ANALOG	PP073977.D	21 Jul 2025 10:13	YP\AJ	Ok
8	PB168911BS	PP073978.D	21 Jul 2025 10:46	YP\AJ	Ok
9	PB168911BSD	PP073979.D	21 Jul 2025 11:05	YP\AJ	Ok
10	Q2610-01DL	PP073980.D	21 Jul 2025 11:21	YP\AJ	Ok,M
11	Q2610-03DL	PP073981.D	21 Jul 2025 11:37	YP\AJ	Ok,M
12	Q2610-05DL	PP073982.D	21 Jul 2025 13:07	YP\AJ	Ok,M
13	Q2635-01	PP073983.D	21 Jul 2025 13:24	YP\AJ	Ok,M
14	Q2635-01MS	PP073984.D	21 Jul 2025 13:40	YP\AJ	Ok,M
15	Q2635-01MSD	PP073985.D	21 Jul 2025 13:56	YP\AJ	Ok,M
16	Q2634-01	PP073986.D	21 Jul 2025 14:13	YP\AJ	Ok,M
17	AR1660CCC500	PP073987.D	21 Jul 2025 15:18	YP\AJ	Ok
18	AR1242CCC500	PP073988.D	21 Jul 2025 15:34	YP\AJ	Ok
19	AR1248CCC500	PP073989.D	21 Jul 2025 15:50	YP\AJ	Ok
20	AR1254CCC500	PP073990.D	21 Jul 2025 16:07	YP\AJ	Ok
21	I.BLK	PP073991.D	21 Jul 2025 16:23	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 # PP072125

Review By	yogesh	Review On	7/21/2025 11:07:59 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:32:53 AM		
SubDirectory	PP072125	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	PB168927BL	PP073992.D	21 Jul 2025 16:39	YP\AJ	Ok
23	PB168927BS	PP073993.D	21 Jul 2025 16:56	YP\AJ	Ok
24	Q2638-01	PP073994.D	21 Jul 2025 17:12	YP\AJ	ReRun
25	Q2638-03	PP073995.D	21 Jul 2025 17:29	YP\AJ	ReRun
26	Q2638-05	PP073996.D	21 Jul 2025 17:45	YP\AJ	Ok
27	Q2638-07	PP073997.D	21 Jul 2025 18:01	YP\AJ	ReRun
28	Q2638-09	PP073998.D	21 Jul 2025 18:18	YP\AJ	Ok
29	Q2638-11	PP073999.D	21 Jul 2025 18:34	YP\AJ	Ok
30	Q2638-13	PP074000.D	21 Jul 2025 18:50	YP\AJ	Ok
31	Q2639-01	PP074001.D	21 Jul 2025 19:07	YP\AJ	Ok,M
32	AR1660CCC500	PP074002.D	21 Jul 2025 20:12	YP\AJ	Ok
33	AR1242CCC500	PP074003.D	21 Jul 2025 20:45	YP\AJ	Ok
34	AR1248CCC500	PP074004.D	21 Jul 2025 21:01	YP\AJ	Ok,M
35	AR1254CCC500	PP074005.D	21 Jul 2025 21:17	YP\AJ	Ok
36	I.BLK	PP074006.D	21 Jul 2025 21:34	YP\AJ	Ok
37	Q2663-05	PP074007.D	21 Jul 2025 21:50	YP\AJ	Ok
38	Q2663-06	PP074008.D	21 Jul 2025 22:06	YP\AJ	Ok
39	Q2663-07	PP074009.D	21 Jul 2025 22:23	YP\AJ	Ok,M
40	Q2663-08	PP074010.D	21 Jul 2025 22:39	YP\AJ	Ok
41	Q2663-09	PP074011.D	21 Jul 2025 22:55	YP\AJ	Ok,M
42	Q2663-10	PP074012.D	21 Jul 2025 23:11	YP\AJ	Ok
43	Q2663-11	PP074013.D	21 Jul 2025 23:28	YP\AJ	Ok,M
44	Q2663-12	PP074014.D	21 Jul 2025 23:44	YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP072125

Review By	yogesh	Review On	7/21/2025 11:07:59 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:32:53 AM		
SubDirectory	PP072125	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	

45	Q2663-13	PP074015.D	22 Jul 2025 00:00	YP\AJ	Not Ok
46	Q2663-14	PP074016.D	22 Jul 2025 00:17	YP\AJ	Ok,M
47	AR1660CCC500	PP074017.D	22 Jul 2025 01:38	YP\AJ	Ok,M
48	AR1242CCC500	PP074018.D	22 Jul 2025 01:55	YP\AJ	Ok,M
49	AR1248CCC500	PP074019.D	22 Jul 2025 02:11	YP\AJ	Ok
50	AR1254CCC500	PP074020.D	22 Jul 2025 02:27	YP\AJ	Ok
51	I.BLK	PP074021.D	22 Jul 2025 02:44	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072225

Review By	yogesh	Review On	7/22/2025 5:05:33 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:55 AM		
SubDirectory	PQ072225	HP Acquire Method		HP Processing Method	PQ072225

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	PQ070549.D	23 Jul 2025 02:15	YP\AJ	Ok
2	I.BLK	PQ070550.D	23 Jul 2025 02:29	YP\AJ	Ok
3	AR1660ICC1000	PQ070551.D	23 Jul 2025 02:59	YP\AJ	Ok
4	AR1660ICC750	PQ070552.D	23 Jul 2025 03:13	YP\AJ	Ok
5	AR1660ICC500	PQ070553.D	23 Jul 2025 03:28	YP\AJ	Ok
6	AR1660ICC250	PQ070554.D	23 Jul 2025 03:42	YP\AJ	Ok
7	AR1660ICC050	PQ070555.D	23 Jul 2025 03:57	YP\AJ	Ok,M
8	AR1221ICC500	PQ070556.D	23 Jul 2025 04:15	YP\AJ	Ok
9	AR1232ICC500	PQ070557.D	23 Jul 2025 04:29	YP\AJ	Ok
10	AR1242ICC1000	PQ070558.D	23 Jul 2025 04:44	YP\AJ	Ok
11	AR1242ICC750	PQ070559.D	23 Jul 2025 04:58	YP\AJ	Ok
12	AR1242ICC500	PQ070560.D	23 Jul 2025 05:13	YP\AJ	Ok
13	AR1242ICC250	PQ070561.D	23 Jul 2025 05:28	YP\AJ	Ok
14	AR1242ICC050	PQ070562.D	23 Jul 2025 05:42	YP\AJ	Ok
15	AR1248ICC1000	PQ070563.D	23 Jul 2025 05:57	YP\AJ	Ok
16	AR1248ICC750	PQ070564.D	23 Jul 2025 06:12	YP\AJ	Ok
17	AR1248ICC500	PQ070565.D	23 Jul 2025 06:26	YP\AJ	Ok
18	AR1248ICC250	PQ070566.D	23 Jul 2025 06:41	YP\AJ	Ok
19	AR1248ICC050	PQ070567.D	23 Jul 2025 06:55	YP\AJ	Ok
20	AR1254ICC1000	PQ070568.D	23 Jul 2025 07:10	YP\AJ	Ok
21	AR1254ICC750	PQ070569.D	23 Jul 2025 07:24	YP\AJ	Ok

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072225

Review By	yogesh	Review On	7/22/2025 5:05:33 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:55 AM		
SubDirectory	PQ072225	HP Acquire Method		HP Processing Method	PQ072225

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	

22	AR1254ICC500	PQ070570.D	23 Jul 2025 07:39	YP\AJ	Ok
23	AR1254ICC250	PQ070571.D	23 Jul 2025 07:54	YP\AJ	Ok
24	AR1254ICC050	PQ070572.D	23 Jul 2025 08:52	YP\AJ	Ok,M
25	AR1262ICC500	PQ070573.D	23 Jul 2025 09:07	YP\AJ	Ok
26	AR1268ICC500	PQ070574.D	23 Jul 2025 09:21	YP\AJ	Ok
27	PQ072225ICV500	PQ070575.D	23 Jul 2025 10:05	YP\AJ	Ok
28	AR1242ICV500	PQ070576.D	23 Jul 2025 10:36	YP\AJ	Ok
29	AR1248ICV500	PQ070577.D	23 Jul 2025 10:52	YP\AJ	Ok
30	AR1254ICV500	PQ070578.D	23 Jul 2025 11:23	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:05 AM		
SubDirectory	PQ072325	HP Acquire Method		HP Processing Method	PQ072225

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	PQ070580.D	23 Jul 2025 12:22	YP\AJ	Ok
2	AR1660CCC500	PQ070581.D	23 Jul 2025 12:53	YP\AJ	Ok
3	AR1242CCC500	PQ070582.D	23 Jul 2025 13:07	YP\AJ	Ok
4	AR1248CCC500	PQ070583.D	23 Jul 2025 13:22	YP\AJ	Ok
5	AR1254CCC500	PQ070584.D	23 Jul 2025 13:36	YP\AJ	Ok
6	I.BLK	PQ070585.D	23 Jul 2025 13:51	YP\AJ	Ok
7	DDT ANALOG	PQ070586.D	23 Jul 2025 14:06	YP\AJ	Ok
8	Q2660-01	PQ070587.D	23 Jul 2025 14:20	YP\AJ	Not Ok
9	Q2660-03	PQ070588.D	23 Jul 2025 14:35	YP\AJ	Ok
10	Q2663-13	PQ070589.D	23 Jul 2025 14:49	YP\AJ	Not Ok
11	Q2638-01	PQ070590.D	23 Jul 2025 15:04	YP\AJ	Ok
12	Q2638-03	PQ070591.D	23 Jul 2025 15:19	YP\AJ	Ok
13	Q2638-07	PQ070592.D	23 Jul 2025 15:33	YP\AJ	Ok
14	Q2649-05	PQ070593.D	23 Jul 2025 15:48	YP\AJ	Ok
15	Q2649-09	PQ070594.D	23 Jul 2025 16:02	YP\AJ	Ok
16	Q2649-13	PQ070595.D	23 Jul 2025 16:17	YP\AJ	Ok
17	AR1660CCC500	PQ070596.D	23 Jul 2025 17:15	YP\AJ	Ok
18	AR1242CCC500	PQ070597.D	23 Jul 2025 17:59	YP\AJ	Ok
19	AR1248CCC500	PQ070598.D	23 Jul 2025 18:14	YP\AJ	Ok
20	AR1254CCC500	PQ070599.D	23 Jul 2025 18:28	YP\AJ	Not Ok
21	I.BLK	PQ070600.D	23 Jul 2025 18:43	YP\AJ	Ok

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:05 AM		
SubDirectory	PQ072325	HP Acquire Method		HP Processing Method	PQ072225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2649-17	PQ070601.D	23 Jul 2025 18:58	YP\AJ	Ok,M
23	Q2649-21	PQ070602.D	23 Jul 2025 19:12	YP\AJ	Ok
24	Q2651-01	PQ070603.D	23 Jul 2025 19:27	YP\AJ	Ok
25	Q2651-02	PQ070604.D	23 Jul 2025 19:41	YP\AJ	Ok
26	Q2651-03	PQ070605.D	23 Jul 2025 19:56	YP\AJ	Ok
27	Q2651-04	PQ070606.D	23 Jul 2025 20:11	YP\AJ	Ok
28	Q2651-05	PQ070607.D	23 Jul 2025 20:25	YP\AJ	Ok
29	Q2658-01	PQ070608.D	23 Jul 2025 20:40	YP\AJ	Ok
30	PB168946BL	PQ070609.D	23 Jul 2025 20:54	YP\AJ	Ok
31	Q2660-01	PQ070610.D	23 Jul 2025 21:09	YP\AJ	Ok
32	AR1660CCC500	PQ070611.D	23 Jul 2025 22:07	YP\AJ	Ok
33	AR1242CCC500	PQ070612.D	23 Jul 2025 22:51	YP\AJ	Ok
34	AR1248CCC500	PQ070613.D	23 Jul 2025 23:06	YP\AJ	Not Ok
35	AR1254CCC500	PQ070614.D	23 Jul 2025 23:20	YP\AJ	Not Ok
36	I.BLK	PQ070615.D	23 Jul 2025 23:35	YP\AJ	Ok
37	Q2654-02	PQ070616.D	23 Jul 2025 23:52	YP\AJ	Ok
38	Q2654-03	PQ070617.D	24 Jul 2025 00:06	YP\AJ	Ok
39	Q2654-04	PQ070618.D	24 Jul 2025 00:21	YP\AJ	Ok
40	Q2654-05	PQ070619.D	24 Jul 2025 00:35	YP\AJ	Ok
41	Q2654-06	PQ070620.D	24 Jul 2025 00:50	YP\AJ	Ok
42	Q2656-01	PQ070621.D	24 Jul 2025 01:05	YP\AJ	Not Ok
43	Q2656-02	PQ070622.D	24 Jul 2025 01:19	YP\AJ	Ok
44	Q2656-03	PQ070623.D	24 Jul 2025 01:34	YP\AJ	Not Ok

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:05 AM		
SubDirectory	PQ072325	HP Acquire Method		HP Processing Method	PQ072225

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	

45	Q2677-01	PQ070624.D	24 Jul 2025 01:48	YP\AJ	Ok
46	Q2677-03	PQ070625.D	24 Jul 2025 02:03	YP\AJ	Ok
47	AR1660CCC500	PQ070626.D	24 Jul 2025 03:16	YP\AJ	Ok
48	AR1242CCC500	PQ070627.D	24 Jul 2025 03:45	YP\AJ	Ok
49	AR1248CCC500	PQ070628.D	24 Jul 2025 04:28	YP\AJ	Ok
50	AR1254CCC500	PQ070629.D	24 Jul 2025 05:15	YP\AJ	Ok
51	I.BLK	PQ070630.D	24 Jul 2025 06:00	YP\AJ	Ok
52	PB168978BL	PQ070631.D	24 Jul 2025 06:14	YP\AJ	Ok
53	PB168978BS	PQ070632.D	24 Jul 2025 06:29	YP\AJ	Ok
54	Q2655-01	PQ070633.D	24 Jul 2025 06:43	YP\AJ	Dilution
55	Q2668-01	PQ070634.D	24 Jul 2025 06:58	YP\AJ	Ok
56	Q2668-05	PQ070635.D	24 Jul 2025 07:13	YP\AJ	Ok
57	Q2668-09	PQ070636.D	24 Jul 2025 07:27	YP\AJ	Ok
58	Q2672-02	PQ070637.D	24 Jul 2025 07:42	YP\AJ	Dilution
59	Q2672-04	PQ070638.D	24 Jul 2025 07:56	YP\AJ	Dilution
60	Q2675-01	PQ070639.D	24 Jul 2025 08:11	YP\AJ	Ok
61	Q2676-01	PQ070640.D	24 Jul 2025 08:26	YP\AJ	Ok
62	AR1660CCC500	PQ070641.D	24 Jul 2025 10:04	YP\AJ	Ok
63	AR1242CCC500	PQ070642.D	24 Jul 2025 10:24	YP\AJ	Ok
64	AR1248CCC500	PQ070643.D	24 Jul 2025 10:40	YP\AJ	Ok
65	AR1254CCC500	PQ070644.D	24 Jul 2025 10:54	YP\AJ	Ok
66	I.BLK	PQ070645.D	24 Jul 2025 11:09	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	PP070825ICV500	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 # PP072125

Review By	yogesh	Review On	7/21/2025 11:07:59 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:32:53 AM		
SubDirectory	PP072125	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	PP073971.D	21 Jul 2025 08:35		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP073972.D	21 Jul 2025 08:51		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP073973.D	21 Jul 2025 09:08		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP073974.D	21 Jul 2025 09:24		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP073975.D	21 Jul 2025 09:40		YP\AJ	Ok
6	I.BLK	I.BLK	PP073976.D	21 Jul 2025 09:56		YP\AJ	Ok
7	DDT ANALOG	DDT ANALOG	PP073977.D	21 Jul 2025 10:13		YP\AJ	Ok
8	PB168911BS	PB168911BS	PP073978.D	21 Jul 2025 10:46		YP\AJ	Ok
9	PB168911BSD	PB168911BSD	PP073979.D	21 Jul 2025 11:05		YP\AJ	Ok
10	Q2610-01DL	2010DL	PP073980.D	21 Jul 2025 11:21	AR1242 Hit	YP\AJ	Ok,M
11	Q2610-03DL	2012DL	PP073981.D	21 Jul 2025 11:37	AR1248 Hit	YP\AJ	Ok,M
12	Q2610-05DL	2014DL	PP073982.D	21 Jul 2025 13:07	AR1248 Hit	YP\AJ	Ok,M
13	Q2635-01	RT2286	PP073983.D	21 Jul 2025 13:24	AR1260 Hit	YP\AJ	Ok,M
14	Q2635-01MS	RT2286MS	PP073984.D	21 Jul 2025 13:40		YP\AJ	Ok,M
15	Q2635-01MSD	RT2286MSD	PP073985.D	21 Jul 2025 13:56		YP\AJ	Ok,M
16	Q2634-01	J2315	PP073986.D	21 Jul 2025 14:13		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP073987.D	21 Jul 2025 15:18	DCB HIGH in second column	YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP073988.D	21 Jul 2025 15:34		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 # PP072125

Review By	yogesh	Review On	7/21/2025 11:07:59 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:32:53 AM		
SubDirectory	PP072125	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	PP073989.D	21 Jul 2025 15:50		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP073990.D	21 Jul 2025 16:07		YP\AJ	Ok
21	I.BLK	I.BLK	PP073991.D	21 Jul 2025 16:23		YP\AJ	Ok
22	PB168927BL	PB168927BL	PP073992.D	21 Jul 2025 16:39		YP\AJ	Ok
23	PB168927BS	PB168927BS	PP073993.D	21 Jul 2025 16:56		YP\AJ	Ok
24	Q2638-01	OU4-TS-31-071725	PP073994.D	21 Jul 2025 17:12	DCB Low in both column	YP\AJ	ReRun
25	Q2638-03	OU4-TS-32-071725	PP073995.D	21 Jul 2025 17:29	DCB Low in both column	YP\AJ	ReRun
26	Q2638-05	OU4-TS-33-071725	PP073996.D	21 Jul 2025 17:45	DCB Low in 1st column	YP\AJ	Ok
27	Q2638-07	OU4-TS-34-071725	PP073997.D	21 Jul 2025 18:01	DCB Low in both column	YP\AJ	ReRun
28	Q2638-09	OU4-TS-35-071725	PP073998.D	21 Jul 2025 18:18		YP\AJ	Ok
29	Q2638-11	OU4-TS-36-071725	PP073999.D	21 Jul 2025 18:34	DCB Low in 1st column	YP\AJ	Ok
30	Q2638-13	OU4-TS-37-071725	PP074000.D	21 Jul 2025 18:50		YP\AJ	Ok
31	Q2639-01	OU4-TS-38-071725	PP074001.D	21 Jul 2025 19:07	DCB Low in 1st column,AR1254 hit	YP\AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP074002.D	21 Jul 2025 20:12	AR1260-2 low in first column	YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP074003.D	21 Jul 2025 20:45		YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PP074004.D	21 Jul 2025 21:01		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP074005.D	21 Jul 2025 21:17		YP\AJ	Ok
36	I.BLK	I.BLK	PP074006.D	21 Jul 2025 21:34		YP\AJ	Ok
37	Q2663-05	HEI379F-1-1	PP074007.D	21 Jul 2025 21:50		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 # PP072125

Review By	yogesh	Review On	7/21/2025 11:07:59 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:32:53 AM		
SubDirectory	PP072125	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	Q2663-06	HEI379F-1-2	PP074008.D	21 Jul 2025 22:06		YP\AJ	Ok
39	Q2663-07	BC274318-1-1	PP074009.D	21 Jul 2025 22:23		YP\AJ	Ok,M
40	Q2663-08	BC274318-1-2	PP074010.D	21 Jul 2025 22:39	AR1260 hit	YP\AJ	Ok
41	Q2663-09	BC247637-1-1	PP074011.D	21 Jul 2025 22:55		YP\AJ	Ok,M
42	Q2663-10	BC247637-1-2	PP074012.D	21 Jul 2025 23:11		YP\AJ	Ok
43	Q2663-11	BC122903-1-1	PP074013.D	21 Jul 2025 23:28		YP\AJ	Ok,M
44	Q2663-12	BC122903-1-2	PP074014.D	21 Jul 2025 23:44		YP\AJ	Ok,M
45	Q2663-13	HEH700H-1-1	PP074015.D	22 Jul 2025 00:00	Signal#2 not detected.	YP\AJ	Not Ok
46	Q2663-14	HEH700H-1-2	PP074016.D	22 Jul 2025 00:17	AR1254 Hit	YP\AJ	Ok,M
47	AR1660CCC500	AR1660CCC500	PP074017.D	22 Jul 2025 01:38		YP\AJ	Ok,M
48	AR1242CCC500	AR1242CCC500	PP074018.D	22 Jul 2025 01:55		YP\AJ	Ok,M
49	AR1248CCC500	AR1248CCC500	PP074019.D	22 Jul 2025 02:11		YP\AJ	Ok
50	AR1254CCC500	AR1254CCC500	PP074020.D	22 Jul 2025 02:27		YP\AJ	Ok
51	I.BLK	I.BLK	PP074021.D	22 Jul 2025 02:44		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072225

Review By	yogesh	Review On	7/22/2025 5:05:33 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:55 AM		
SubDirectory	PQ072225	HP Acquire Method		HP Processing Method	PQ072225

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	PQ070549.D	23 Jul 2025 02:15		YP\AJ	Ok
2	I.BLK	I.BLK	PQ070550.D	23 Jul 2025 02:29		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PQ070551.D	23 Jul 2025 02:59		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PQ070552.D	23 Jul 2025 03:13		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PQ070553.D	23 Jul 2025 03:28		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PQ070554.D	23 Jul 2025 03:42		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PQ070555.D	23 Jul 2025 03:57		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PQ070556.D	23 Jul 2025 04:15		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PQ070557.D	23 Jul 2025 04:29		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PQ070558.D	23 Jul 2025 04:44		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PQ070559.D	23 Jul 2025 04:58		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PQ070560.D	23 Jul 2025 05:13		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PQ070561.D	23 Jul 2025 05:28		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PQ070562.D	23 Jul 2025 05:42		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PQ070563.D	23 Jul 2025 05:57		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PQ070564.D	23 Jul 2025 06:12		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PQ070565.D	23 Jul 2025 06:26		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PQ070566.D	23 Jul 2025 06:41		YP\AJ	Ok

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072225

Review By	yogesh	Review On	7/22/2025 5:05:33 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:55 AM		
SubDirectory	PQ072225	HP Acquire Method		HP Processing Method	PQ072225

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	PQ070567.D	23 Jul 2025 06:55		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PQ070568.D	23 Jul 2025 07:10		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PQ070569.D	23 Jul 2025 07:24		YP\AJ	Ok
22	AR1254ICC500	AR1254ICC500	PQ070570.D	23 Jul 2025 07:39		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PQ070571.D	23 Jul 2025 07:54		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PQ070572.D	23 Jul 2025 08:52		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PQ070573.D	23 Jul 2025 09:07		YP\AJ	Ok
26	AR1268ICC500	AR1268ICC500	PQ070574.D	23 Jul 2025 09:21		YP\AJ	Ok
27	PQ072225ICV500	ICVPQ072225	PQ070575.D	23 Jul 2025 10:05		YP\AJ	Ok
28	AR1242ICV500	ICVPQ072225AR1242	PQ070576.D	23 Jul 2025 10:36		YP\AJ	Ok
29	AR1248ICV500	ICVPQ072225AR1248	PQ070577.D	23 Jul 2025 10:52		YP\AJ	Ok
30	AR1254ICV500	ICVPQ072225AR1254	PQ070578.D	23 Jul 2025 11:23		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:05 AM		
SubDirectory	PQ072325	HP Acquire Method		HP Processing Method	PQ072225

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	PQ070580.D	23 Jul 2025 12:22		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PQ070581.D	23 Jul 2025 12:53		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PQ070582.D	23 Jul 2025 13:07		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PQ070583.D	23 Jul 2025 13:22		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PQ070584.D	23 Jul 2025 13:36		YP\AJ	Ok
6	I.BLK	I.BLK	PQ070585.D	23 Jul 2025 13:51		YP\AJ	Ok
7	DDT ANALOG	DDT ANALOG	PQ070586.D	23 Jul 2025 14:06		YP\AJ	Ok
8	Q2660-01	MOO-25-0205	PQ070587.D	23 Jul 2025 14:20	need cleanup	YP\AJ	Not Ok
9	Q2660-03	MOO-25-0218	PQ070588.D	23 Jul 2025 14:35		YP\AJ	Ok
10	Q2663-13	HEH700H-1-1	PQ070589.D	23 Jul 2025 14:49	AR1254 Hit , AR1254 END CCC fail	YP\AJ	Not Ok
11	Q2638-01	OU4-TS-31-071725	PQ070590.D	23 Jul 2025 15:04		YP\AJ	Ok
12	Q2638-03	OU4-TS-32-071725	PQ070591.D	23 Jul 2025 15:19		YP\AJ	Ok
13	Q2638-07	OU4-TS-34-071725	PQ070592.D	23 Jul 2025 15:33		YP\AJ	Ok
14	Q2649-05	WC-2	PQ070593.D	23 Jul 2025 15:48		YP\AJ	Ok
15	Q2649-09	WC-3	PQ070594.D	23 Jul 2025 16:02		YP\AJ	Ok
16	Q2649-13	WC-4	PQ070595.D	23 Jul 2025 16:17		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PQ070596.D	23 Jul 2025 17:15		YP\AJ	Ok

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:05 AM		
SubDirectory	PQ072325	HP Acquire Method		HP Processing Method	PQ072225

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	

18	AR1242CCC500	AR1242CCC500	PQ070597.D	23 Jul 2025 17:59		YP\AJ	Ok
19	AR1248CCC500	AR1248CCC500	PQ070598.D	23 Jul 2025 18:14		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PQ070599.D	23 Jul 2025 18:28	CCC fail on higher side	YP\AJ	Not Ok
21	I.BLK	I.BLK	PQ070600.D	23 Jul 2025 18:43		YP\AJ	Ok
22	Q2649-17	WC-5	PQ070601.D	23 Jul 2025 18:58		YP\AJ	Ok,M
23	Q2649-21	WC-6	PQ070602.D	23 Jul 2025 19:12		YP\AJ	Ok
24	Q2651-01	MH 2-1	PQ070603.D	23 Jul 2025 19:27		YP\AJ	Ok
25	Q2651-02	MH 6-5	PQ070604.D	23 Jul 2025 19:41		YP\AJ	Ok
26	Q2651-03	MH 7-6	PQ070605.D	23 Jul 2025 19:56		YP\AJ	Ok
27	Q2651-04	MH 8-7	PQ070606.D	23 Jul 2025 20:11		YP\AJ	Ok
28	Q2651-05	MH 9-8	PQ070607.D	23 Jul 2025 20:25		YP\AJ	Ok
29	Q2658-01	PAD-072125-1	PQ070608.D	23 Jul 2025 20:40		YP\AJ	Ok
30	PB168946BL	PB168946BL	PQ070609.D	23 Jul 2025 20:54		YP\AJ	Ok
31	Q2660-01	MOO-25-0205	PQ070610.D	23 Jul 2025 21:09		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PQ070611.D	23 Jul 2025 22:07	DCB Low in 2nd column	YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PQ070612.D	23 Jul 2025 22:51		YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PQ070613.D	23 Jul 2025 23:06	CCC fail on higher side	YP\AJ	Not Ok
35	AR1254CCC500	AR1254CCC500	PQ070614.D	23 Jul 2025 23:20	CCC fail on higher side	YP\AJ	Not Ok
36	I.BLK	I.BLK	PQ070615.D	23 Jul 2025 23:35		YP\AJ	Ok

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:05 AM		
SubDirectory	PQ072325	HP Acquire Method		HP Processing Method	PQ072225

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	

37	Q2654-02	71125-B	PQ070616.D	23 Jul 2025 23:52		YP\AJ	Ok
38	Q2654-03	71525-A	PQ070617.D	24 Jul 2025 00:06		YP\AJ	Ok
39	Q2654-04	71525-B	PQ070618.D	24 Jul 2025 00:21		YP\AJ	Ok
40	Q2654-05	72125-A	PQ070619.D	24 Jul 2025 00:35		YP\AJ	Ok
41	Q2654-06	72125-B	PQ070620.D	24 Jul 2025 00:50		YP\AJ	Ok
42	Q2656-01	71525-A	PQ070621.D	24 Jul 2025 01:05	AR1248 Hit , AR1248 opening ccc fail	YP\AJ	Not Ok
43	Q2656-02	71525-B	PQ070622.D	24 Jul 2025 01:19		YP\AJ	Ok
44	Q2656-03	71525-C	PQ070623.D	24 Jul 2025 01:34	AR1248 Hit , AR1248 opening ccc fail	YP\AJ	Not Ok
45	Q2677-01	OK-02-07222025	PQ070624.D	24 Jul 2025 01:48		YP\AJ	Ok
46	Q2677-03	OK-03-07222025	PQ070625.D	24 Jul 2025 02:03		YP\AJ	Ok
47	AR1660CCC500	AR1660CCC500	PQ070626.D	24 Jul 2025 03:16	DCB low in 2nd column	YP\AJ	Ok
48	AR1242CCC500	AR1242CCC500	PQ070627.D	24 Jul 2025 03:45	DCB low in 2nd column	YP\AJ	Ok
49	AR1248CCC500	AR1248CCC500	PQ070628.D	24 Jul 2025 04:28	DCB low in 2nd column	YP\AJ	Ok
50	AR1254CCC500	AR1254CCC500	PQ070629.D	24 Jul 2025 05:15	DCB low in 2nd column	YP\AJ	Ok
51	I.BLK	I.BLK	PQ070630.D	24 Jul 2025 06:00		YP\AJ	Ok
52	PB168978BL	PB168978BL	PQ070631.D	24 Jul 2025 06:14		YP\AJ	Ok
53	PB168978BS	PB168978BS	PQ070632.D	24 Jul 2025 06:29		YP\AJ	Ok
54	Q2655-01	SOIL	PQ070633.D	24 Jul 2025 06:43	TCMX high in 1st column & low in 2nd column , Need 10X,50X dilution	YP\AJ	Dilution

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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:05 AM		
SubDirectory	PQ072325	HP Acquire Method		HP Processing Method	PQ072225

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	

55	Q2668-01	TP-2	PQ070634.D	24 Jul 2025 06:58		YP\AJ	Ok
56	Q2668-05	TP-3	PQ070635.D	24 Jul 2025 07:13		YP\AJ	Ok
57	Q2668-09	TP-1	PQ070636.D	24 Jul 2025 07:27		YP\AJ	Ok
58	Q2672-02	AUD-25-0123-0127	PQ070637.D	24 Jul 2025 07:42	AR1260+1242+1254 Hit , Need 10x,20X dilution	YP\AJ	Dilution
59	Q2672-04	AUD-25-0128-0132	PQ070638.D	24 Jul 2025 07:56	AR1260+1242+1254 Hit , Need 10x,20x dilution	YP\AJ	Dilution
60	Q2675-01	SU-03-07222025	PQ070639.D	24 Jul 2025 08:11		YP\AJ	Ok
61	Q2676-01	HD-01-07222025	PQ070640.D	24 Jul 2025 08:26		YP\AJ	Ok
62	AR1660CCC500	AR1660CCC500	PQ070641.D	24 Jul 2025 10:04		YP\AJ	Ok
63	AR1242CCC500	AR1242CCC500	PQ070642.D	24 Jul 2025 10:24		YP\AJ	Ok
64	AR1248CCC500	AR1248CCC500	PQ070643.D	24 Jul 2025 10:40		YP\AJ	Ok
65	AR1254CCC500	AR1254CCC500	PQ070644.D	24 Jul 2025 10:54		YP\AJ	Ok
66	I.BLK	I.BLK	PQ070645.D	24 Jul 2025 11:09		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
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: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

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
Q2637-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2637-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2637-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2637-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2637-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2637-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2638-01	OU4-TS-31-071725	7	1.15	10.44	11.59	8.29	68.4	
Q2638-03	OU4-TS-32-071725	8	1.14	10.41	11.55	7.92	65.1	
Q2638-05	OU4-TS-33-071725	9	1.12	10.69	11.81	8.04	64.7	
Q2638-07	OU4-TS-34-071725	10	1.18	10.81	11.99	8.58	68.5	
Q2638-09	OU4-TS-35-071725	11	1.18	10.24	11.42	9.62	82.4	
Q2638-11	OU4-TS-36-071725	12	1.16	10.22	11.38	9.53	81.9	
Q2638-13	OU4-TS-37-071725	13	1.14	10.27	11.41	9.48	81.2	
Q2639-01	OU4-TS-38-071725	14	1.16	10.58	11.74	9.69	80.6	
Q2639-03	OU4-TS-39-071725	15	1.12	10.64	11.76	9.74	81.0	
Q2639-05	OU4-TS-40-071725	16	1.16	10.23	11.39	9.42	80.7	
Q2639-07	OU4-TS-41-071725	17	1.18	10.20	11.38	9.54	82.0	
Q2639-09	OU4-TS-42-071725	18	1.19	10.34	11.53	7.42	60.3	
Q2639-11	OU4-TS-43-071725	19	1.19	10.67	11.86	7.38	58.0	
Q2639-13	OU4-TS-44-071725	20	1.12	10.87	11.99	8.18	64.9	
Q2641-01	P001-CONCRETE001-01	21	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2645-02	RW5B-CARBON-20250716	22	1.17	10.52	11.69	8.39	68.6	
Q2648-01	A3	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-02	A4	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-03	B2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-04	B3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-05	B4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2651-01	MH 2-1	28	1.18	10.67	11.85	11.26	94.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
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: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

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
Q2651-02	MH 6-5	29	1.15	10.40	11.55	10.9	93.8	
Q2651-03	MH 7-6	30	1.12	10.20	11.32	10.7	93.9	
Q2651-04	MH 8-7	31	1.13	10.44	11.57	11.01	94.6	
Q2651-05	MH 9-8	32	1.13	10.27	11.4	10.67	92.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WM 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2637-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-01	OU4-TS-31-071725	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-03	OU4-TS-32-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-05	OU4-TS-33-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-07	OU4-TS-34-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-09	OU4-TS-35-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-11	OU4-TS-36-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-13	OU4-TS-37-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-01	OU4-TS-38-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-03	OU4-TS-39-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-05	OU4-TS-40-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-07	OU4-TS-41-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-09	OU4-TS-42-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-11	OU4-TS-43-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-13	OU4-TS-44-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2641-01	P001-CONCRETE001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	O22	07/16/2025	Chemtech -SO

Date/Time 07/18/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	Percent Solids	Cool 4 deg C	TETR06	O41	07/16/2025	Chemtech -SO
Q2648-01	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-02	A4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-03	B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-04	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-05	B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-01	MH 2-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-02	MH 6-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-03	MH 7-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-04	MH 8-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-05	MH 9-8	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168927

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 07/21/2025

Extraction Start Time : 08:30

Extraction End Date : 07/21/2025

Extraction End Time : 11:45

Concentration By: EH

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	EP2627
Baked Na2SO4	N/A	EP2625
Hexane	N/A	E3956
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,Q2634-01 used Limited volume as sample is oil.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/21/25	RS (Ext lab)	Y-P-PREP LAB.
11:50	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168927

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 07/21/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168927BL	ABLK927	PCB	30.02	N/A	ritesh	Evelyn	10			U2-1
PB168927BS	ALCS927	PCB	30.01	N/A	ritesh	Evelyn	10			2
Q2634-01	J2315	PCB	1.03	N/A	ritesh	Evelyn	10		Oil	
Q2635-01	RT2286	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q2635-01MS	RT2286MS	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q2635-01MSD	RT2286MSD	PCB	30.02	N/A	ritesh	Evelyn	10	E		5
Q2638-01	OU4-TS-31-071725	PCB	30.04	N/A	ritesh	Evelyn	10	D		6
Q2638-03	OU4-TS-32-071725	PCB	30.08	N/A	ritesh	Evelyn	10	D		U3-1
Q2638-05	OU4-TS-33-071725	PCB	30.02	N/A	ritesh	Evelyn	10	D		2
Q2638-07	OU4-TS-34-071725	PCB	30.07	N/A	ritesh	Evelyn	10	D		3
Q2638-09	OU4-TS-35-071725	PCB	30.03	N/A	ritesh	Evelyn	10	D		4
Q2638-11	OU4-TS-36-071725	PCB	30.05	N/A	ritesh	Evelyn	10	D		5
Q2638-13	OU4-TS-37-071725	PCB	30.02	N/A	ritesh	Evelyn	10	D		6
Q2639-01	OU4-TS-38-071725	PCB	30.01	N/A	ritesh	Evelyn	10	D		U6-1
Q2639-03	OU4-TS-39-071725	PCB	30.04	N/A	ritesh	Evelyn	10	D		2
Q2639-05	OU4-TS-40-071725	PCB	30.06	N/A	ritesh	Evelyn	10	D		3
Q2639-07	OU4-TS-41-071725	PCB	30.09	N/A	ritesh	Evelyn	10	D		4
Q2639-09	OU4-TS-42-071725	PCB	30.05	N/A	ritesh	Evelyn	10	D		5
Q2639-11	OU4-TS-43-071725	PCB	30.06	N/A	ritesh	Evelyn	10	D		6
Q2639-13	OU4-TS-44-071725	PCB	30.02	N/A	ritesh	Evelyn	10	D		U1-1
Q2641-01	P001-CONCRETE001-01	PCB	30.06	N/A	ritesh	Evelyn	10		Concrete	2
Q2645-02	RW5B-CARBON-20250716	PCB	30.03	N/A	ritesh	Evelyn	10	B		3

RS 7/21

* **Extracts relinquished on the same date as received.**

168927 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2635 **WorkList ID :** 190838 **Department :** Extraction **Date :** 07-21-2025 08:25:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2634-01	J2315	Solid	PCB	Cool 4 deg C	PSEG03	D31	07/17/2025	8082A
Q2635-01	RT2286	Solid	PCB	Cool 4 deg C	PSEG03	D31	07/17/2025	8082A
Q2638-01	OU4-TS-31-071725	Solid	PCB	Cool 4 deg C	NOBI03	O21	07/17/2025	8082A
Q2638-03	OU4-TS-32-071725	Solid	PCB	Cool 4 deg C	NOBI03	O21	07/17/2025	8082A
Q2638-05	OU4-TS-33-071725	Solid	PCB	Cool 4 deg C	NOBI03	O21	07/17/2025	8082A
Q2638-07	OU4-TS-34-071725	Solid	PCB	Cool 4 deg C	NOBI03	O21	07/17/2025	8082A
Q2638-09	OU4-TS-35-071725	Solid	PCB	Cool 4 deg C	NOBI03	O21	07/17/2025	8082A
Q2638-11	OU4-TS-36-071725	Solid	PCB	Cool 4 deg C	NOBI03	O21	07/17/2025	8082A
Q2638-13	OU4-TS-37-071725	Solid	PCB	Cool 4 deg C	NOBI03	O21	07/17/2025	8082A
Q2639-01	OU4-TS-38-071725	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/17/2025	8082A
Q2639-03	OU4-TS-39-071725	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/17/2025	8082A
Q2639-05	OU4-TS-40-071725	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/17/2025	8082A
Q2639-07	OU4-TS-41-071725	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/17/2025	8082A
Q2639-09	OU4-TS-42-071725	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/17/2025	8082A
Q2639-11	OU4-TS-43-071725	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/17/2025	8082A
Q2639-13	OU4-TS-44-071725	Solid	PCB	Cool 4 deg C	NOBI03	O13	07/17/2025	8082A
Q2641-01	P001-CONCRETE001-01	Solid	PCB	Cool 4 deg C	ROYF02	O22	07/16/2025	8082A
Q2645-02	RW5B-CARBON-20250716	Solid	PCB	Cool 4 deg C	TETR06	O41	07/16/2025	8082A

Date/Time 07/21/25 8:25
Raw Sample Received by: RJ CLIENT-LAB
Raw Sample Relinquished by:

Date/Time 07/21/25 8:55
Raw Sample Received by:
Raw Sample Relinquished by: RJ CLIENT-LAB

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

Prep Standard - Chemical Standard Summary

Order ID : Q2638

Test : PCB

Prepbatch ID : PB168927,

Sequence ID/Qc Batch ID: pp072125,pq072325,

Standard ID :

EP2610,EP2625,EP2627,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,E3940,E3944,E3949,E3950,E3951,E3956,M6157,P 11522,P12699,P12702,P12931,P12936,P12949,P12950,P12957,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13786,P13830,P13878,P13883,W 3112,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
3923	Baked Sodium Sulfate	EP2625	07/15/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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
230	1:1ACETONE/HEXANE	EP2627	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000ml of E3949 + 4000.00000ml of E3950 = Final Quantity: 8000.000 ml

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	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

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

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

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

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

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.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Read on 7/2/25

E3949

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

3950

Read on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production

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	

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

Recieved on 7/16/25

E3956

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor | J.T.Baker

M615 MB

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Refere

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(
Aceton

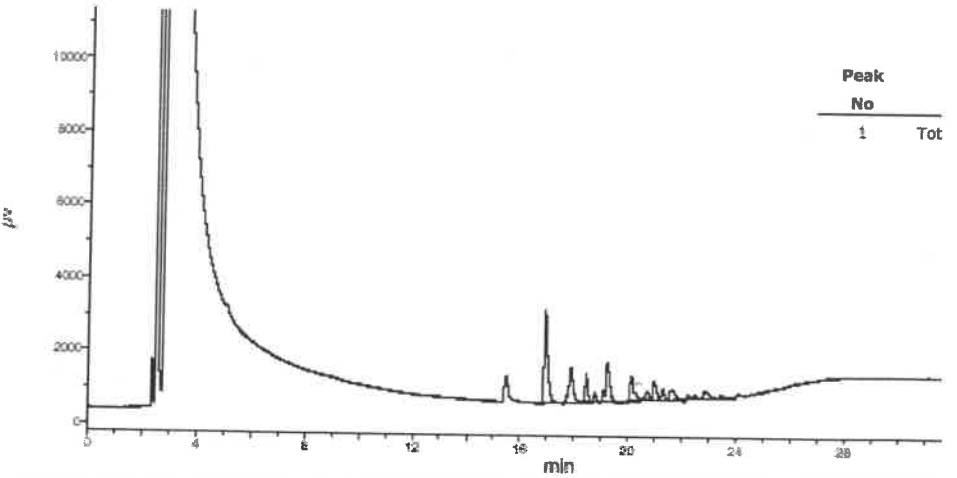
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm 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.)

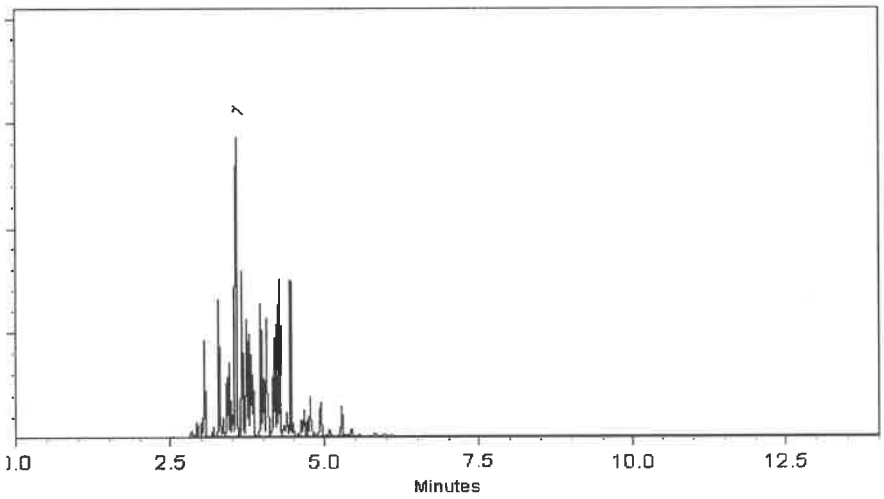
Inj. Temp:
250°C

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.)

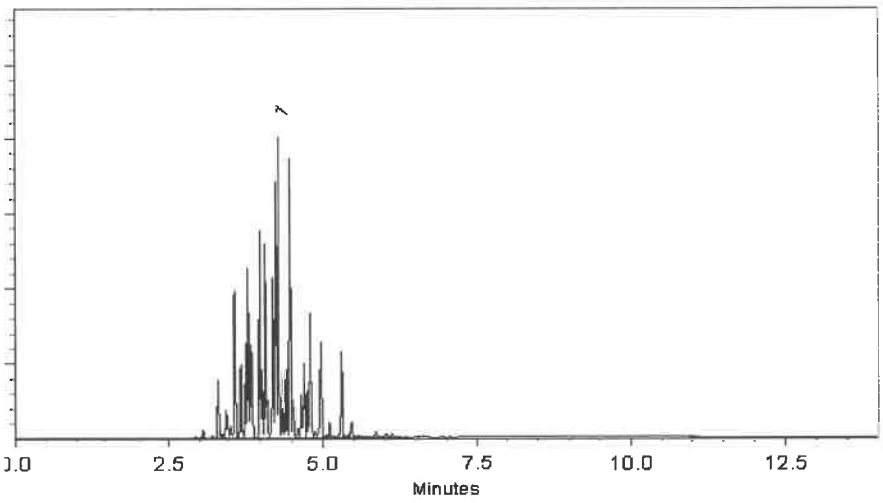
Inj. Temp:
250°C

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

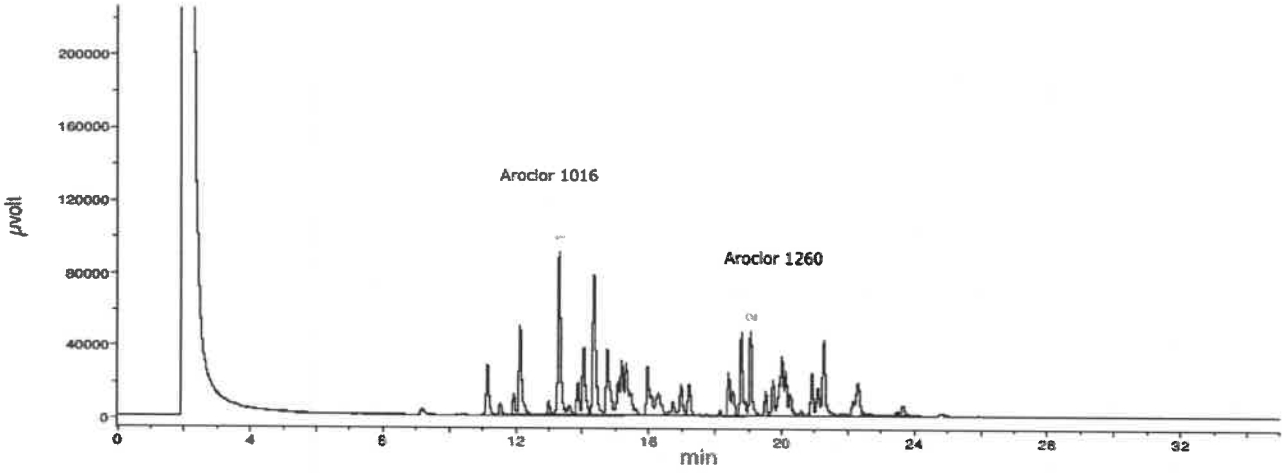
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Hexane	273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

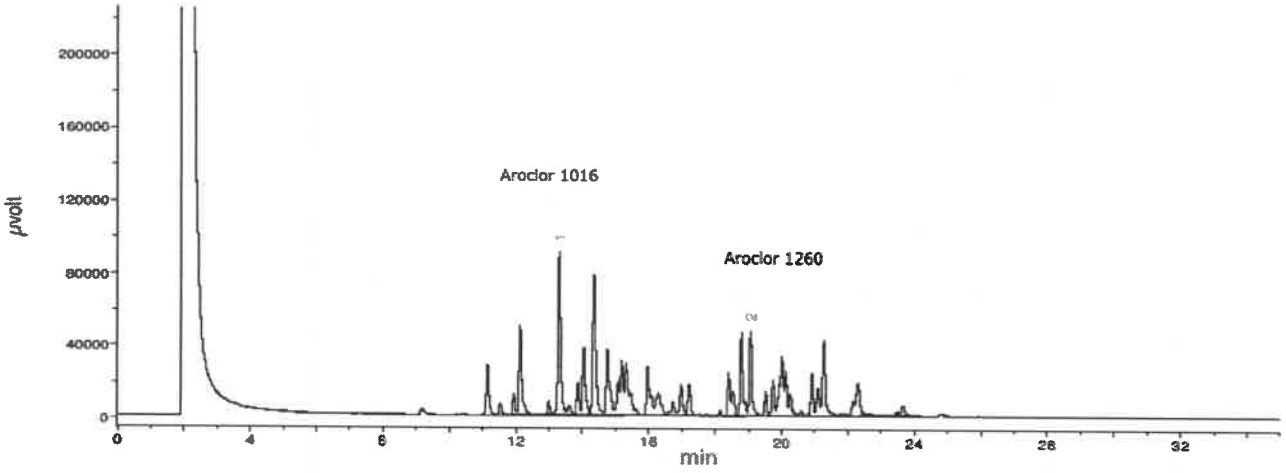
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

		121823
Formulated By:	Anthony Mahoney	DATE
		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 & P12957 Y.P. 12/20/23

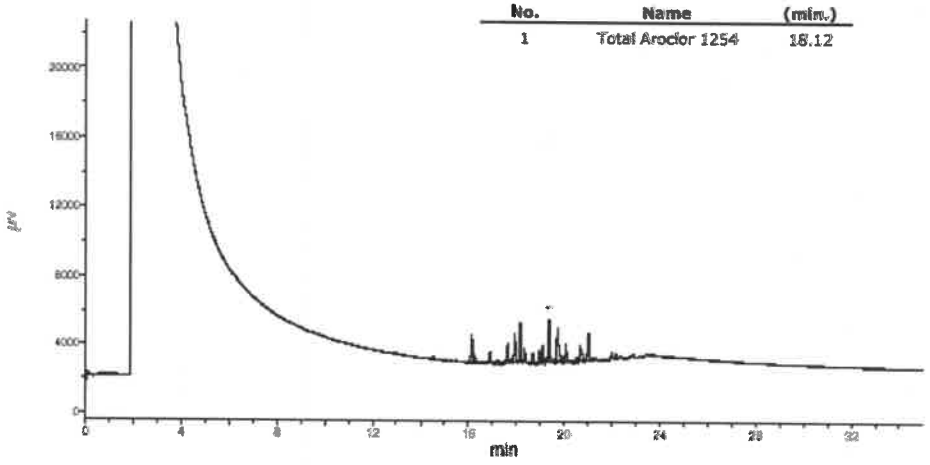
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 ↓ P13357 (10)

04/25/2024

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

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.)

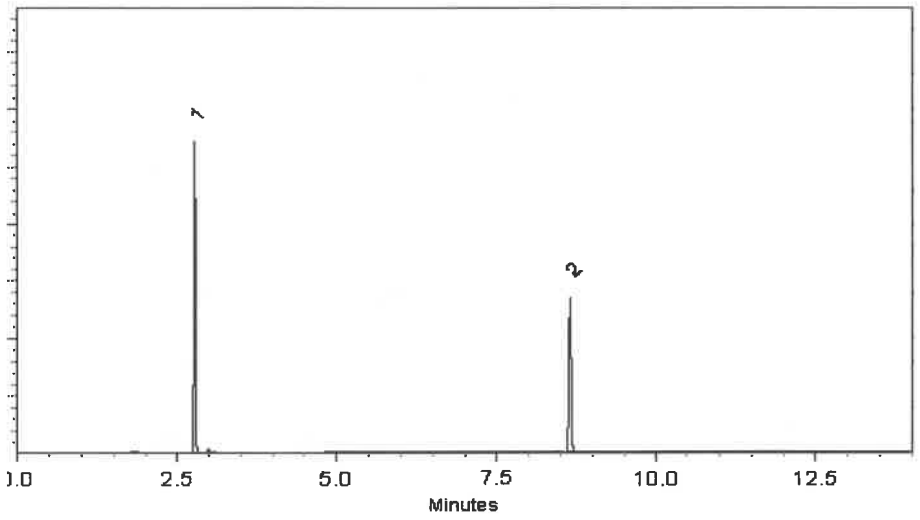
Inj. Temp:
250°C

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

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

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 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

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0207475

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1268	11100-14-4	10947000	----%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13380 2
P 13381
1
05/6/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

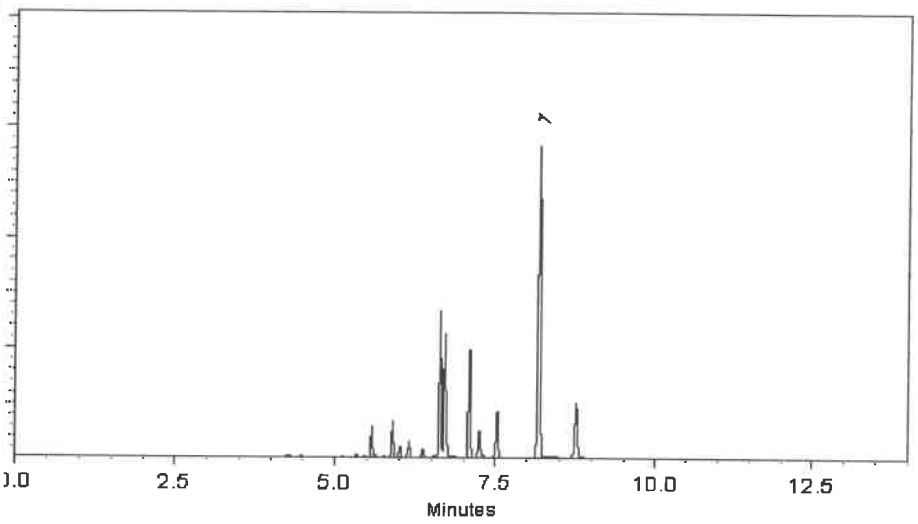
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 500:1

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 06-Feb-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 09-Feb-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13380 (2)
↓
P13381
1

05/6/2024

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1242 Standard	**Lot Number:**	0006665550
Product Number:	PP-312-1	**Lot Issue Date:**	08-Feb-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Jan-2027

	CERTIFIED VALUES				
Component Name	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

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

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.)

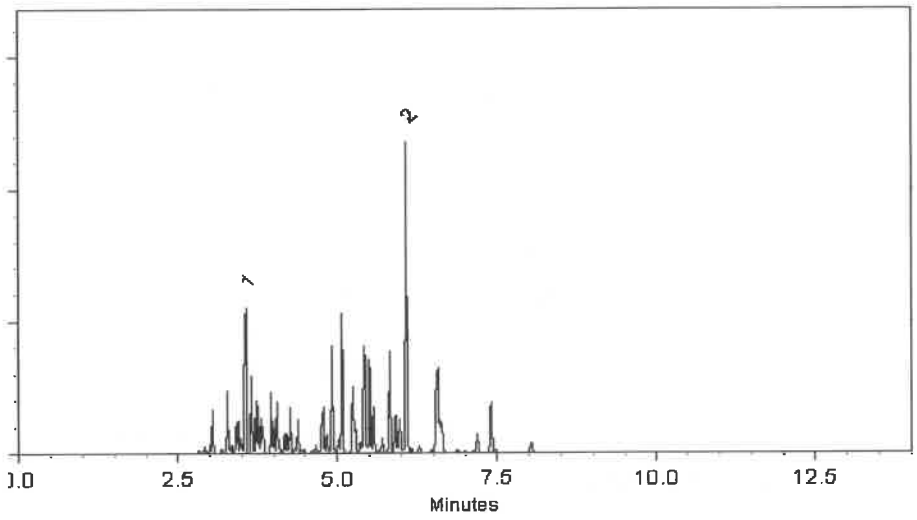
Inj. Temp:
250°C

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

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. : 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.)

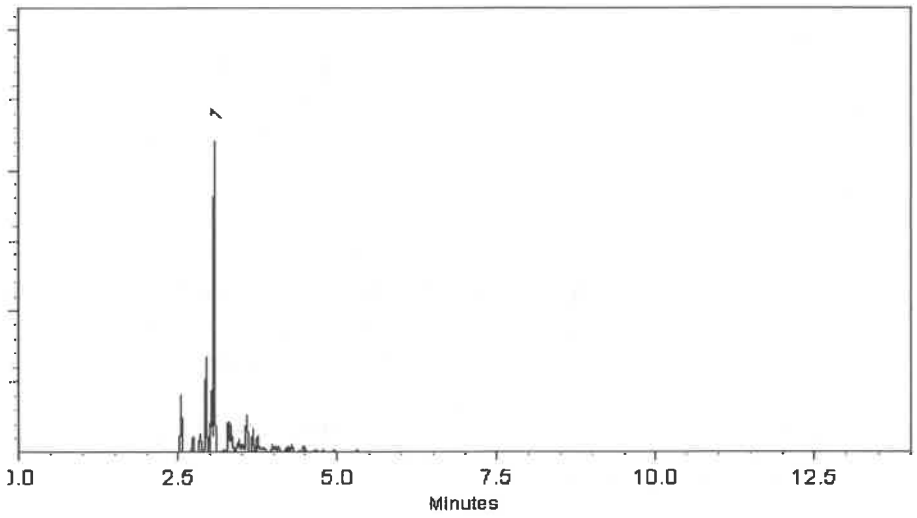
Inj. Temp:
250°C

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.)

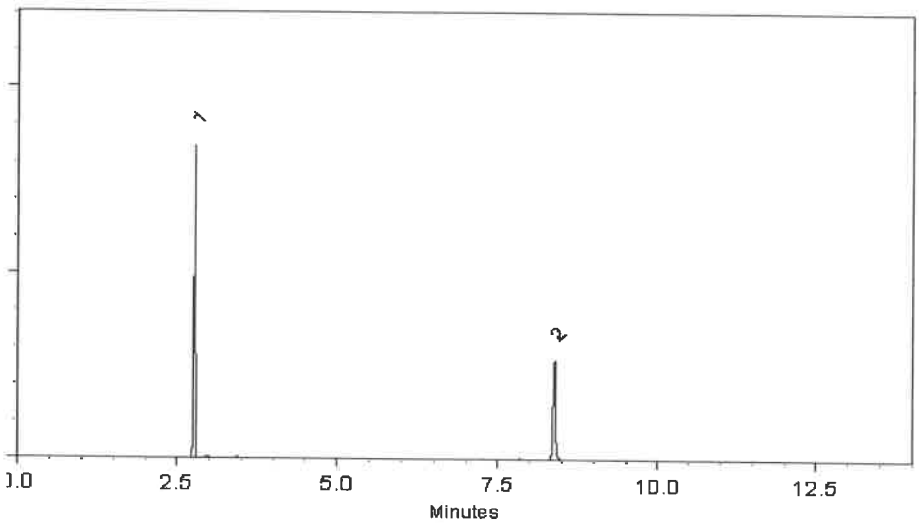
Inj. Temp:
250°C

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.)

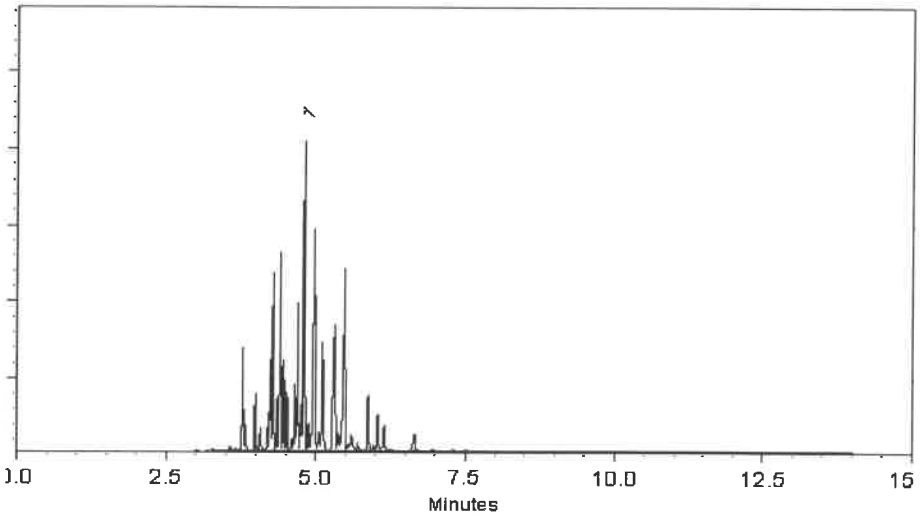
Inj. Temp:
250°C

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.)

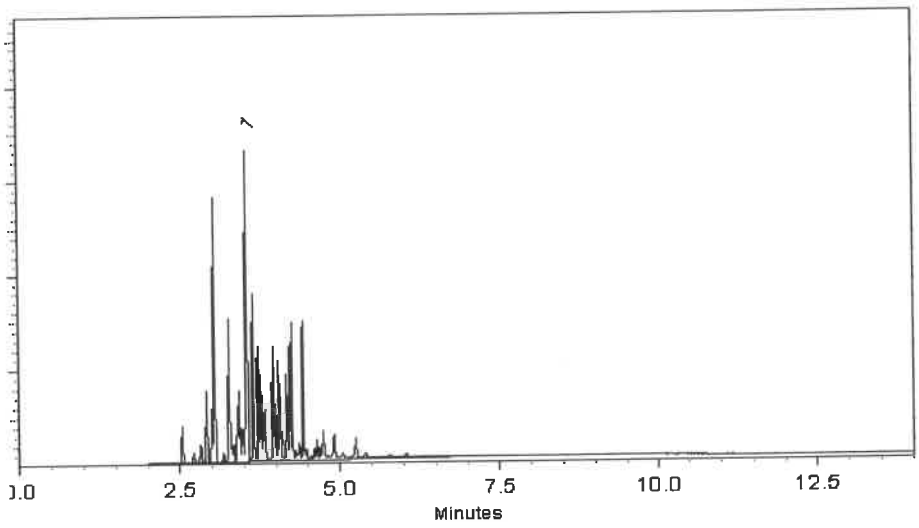
Inj. Temp:
250°C

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

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. : 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%

P138852
↓
P138853

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.)

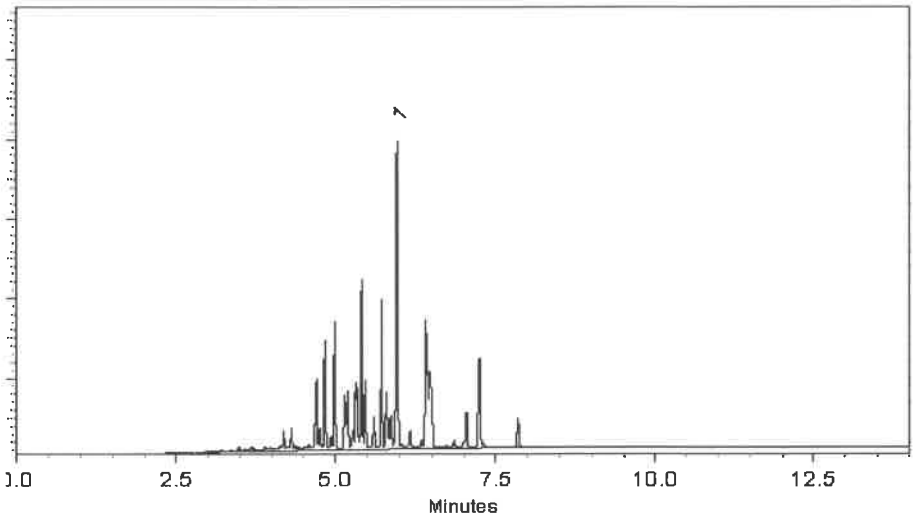
Inj. Temp:
250°C

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 2638

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	A. Brittingham

Requested Turnaround Time
5-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-TS-31-071725	7/17/25	10:30	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-32-071725	7/17/25	10:40	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-33-071725	7/17/25	10:50	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-34-071725	7/17/25	11:00	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-35-071725	7/17/25	11:10	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-36-071725	7/17/25	11:20	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-37-071725	7/17/25	11:30	G	SO		3	2					X	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: 7/17/25 1500
Received by: (signature)	Date/Time: 7/18/25 0755
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: 5.1°C - 4.7°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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2638 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:07:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/18/2025 9:55:00 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
Q2638-01	OU4-TS-31-071725	Solid	07/17/2025	10:30					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-03	OU4-TS-32-071725	Solid	07/17/2025	10:40					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-05	OU4-TS-33-071725	Solid	07/17/2025	10:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-07	OU4-TS-34-071725	Solid	07/17/2025	11:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-09	OU4-TS-35-071725	Solid	07/17/2025	11:10					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-11	OU4-TS-36-071725	Solid	07/17/2025	11:20					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-13	OU4-TS-37-071725	Solid	07/17/2025	11:30					
					VOCMS Group3		8260D		5 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2638 NOBI03	**Order Date :**	7/18/2025 10:07:00 AM	**Project Mgr :**	
Client Name :	Nobis Group	**Project Name :**	Raymark Superfund Site	**Report Type :**	Level 4
Client Contact :	Adam Roy	**Receive DateTime :**	7/18/2025 9:55:00 AM	**EDD Type :**	EQUIS
Invoice Name :	Nobis Group	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Adam Roy			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : [signature]
Date / Time : 7/18/25 1100

Received By : [signature]
Date / Time : 07/18/25 11:00
Storage Area : VOA Refridgerator Room

R6
F22

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

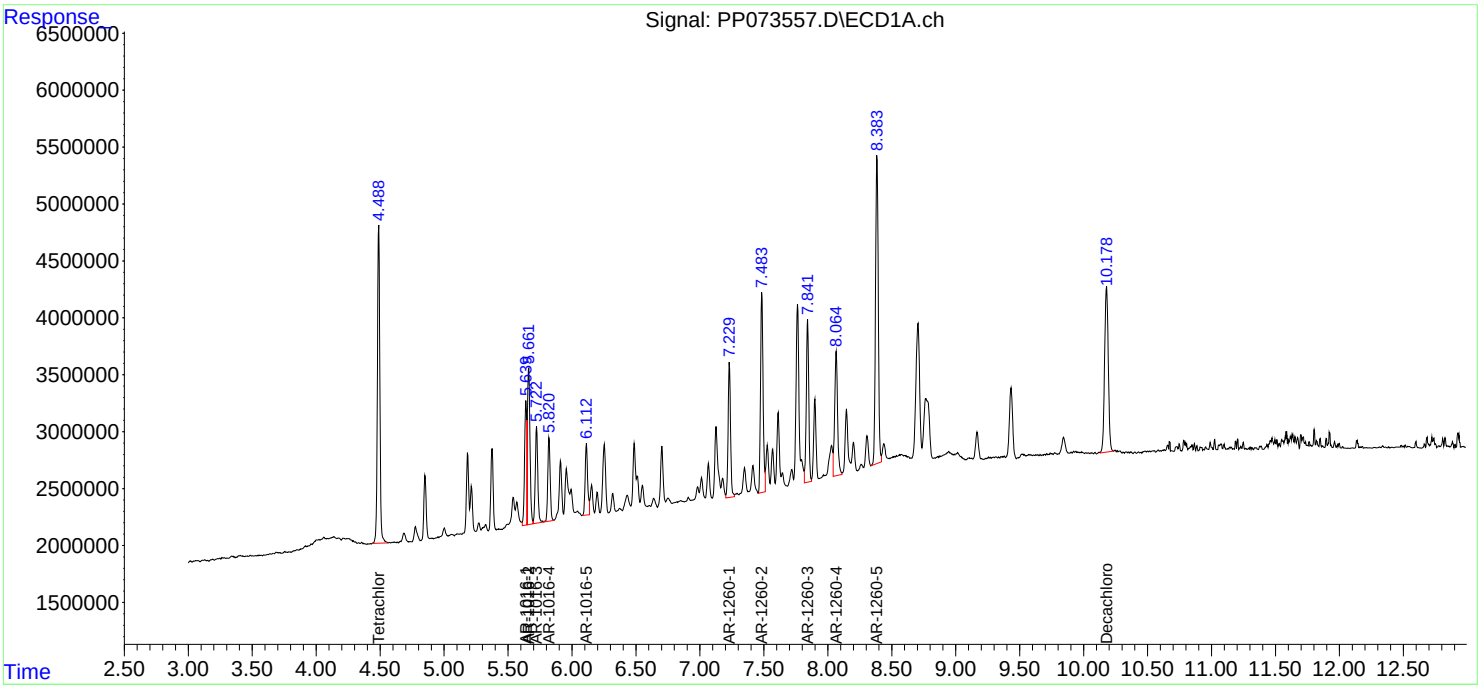
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

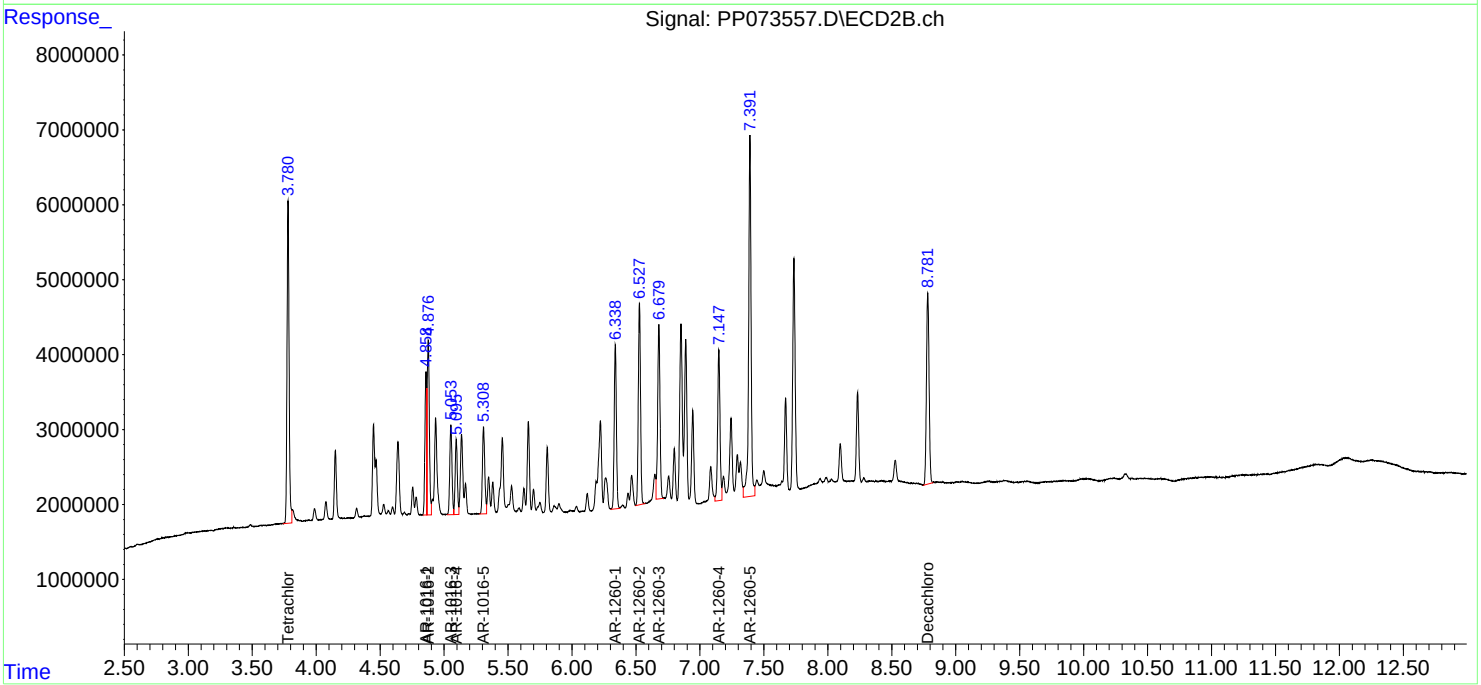
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:52
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

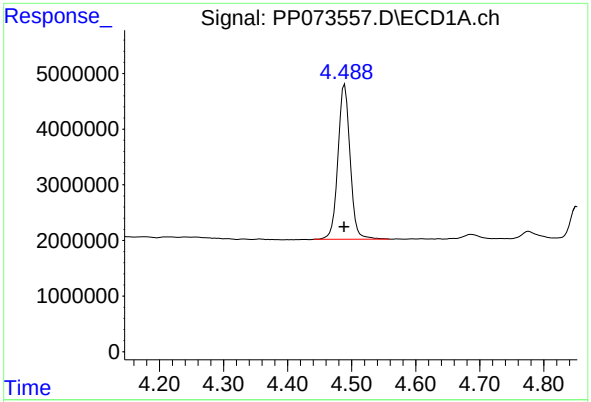
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

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



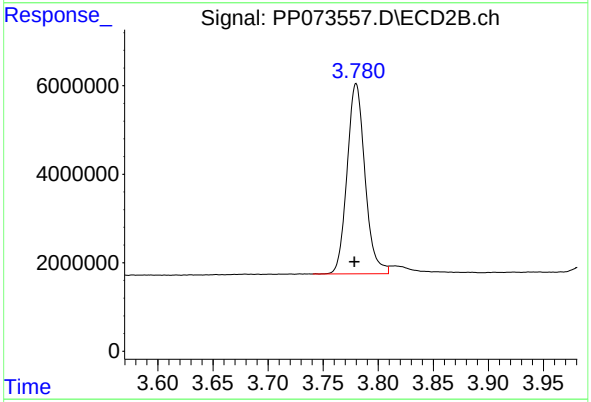




#1 Tetrachloro-m-xylene

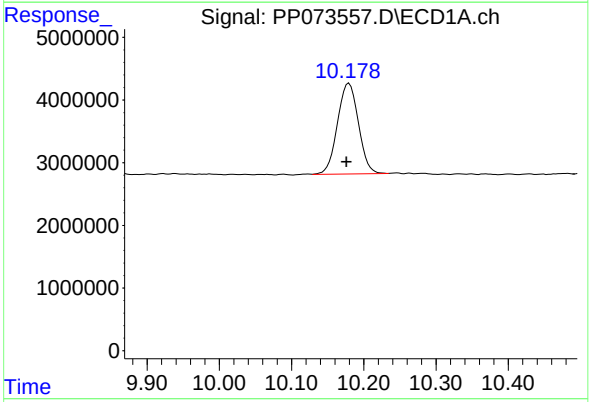
R.T.: 4.489 min
Delta R.T.: 0.001 min
Response: 36726195
Conc: 25.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



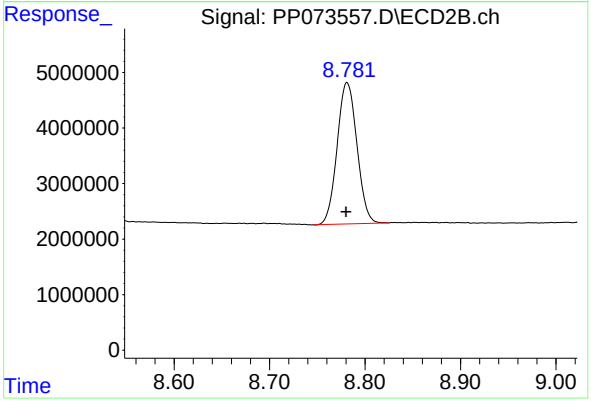
#1 Tetrachloro-m-xylene

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



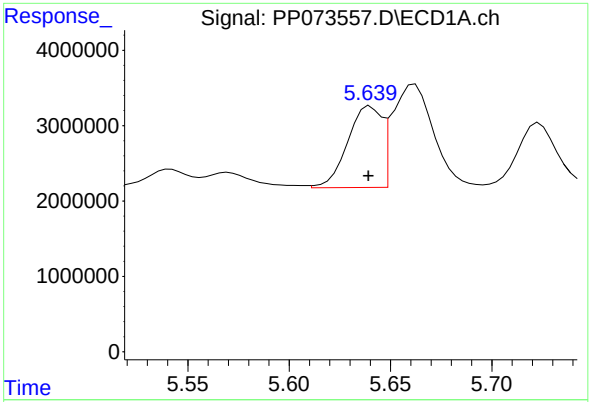
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

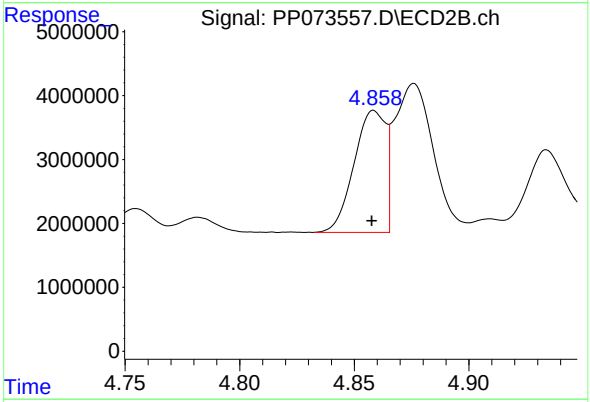
R.T.: 8.781 min
Delta R.T.: 0.001 min
Response: 36663112
Conc: 27.68 ng/ml



#3 AR-1016-1

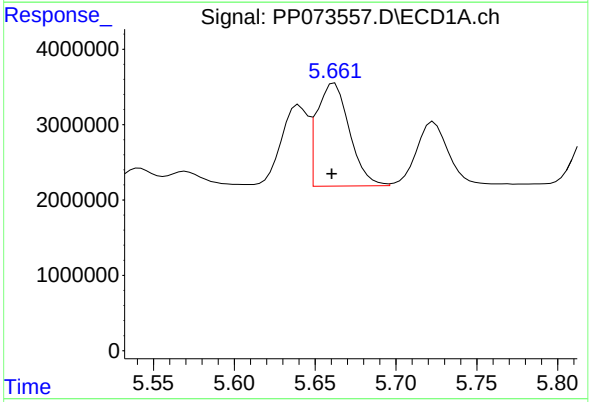
R.T.: 5.640 min
Delta R.T.: 0.001 min
Response: 12627919
Conc: 267.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



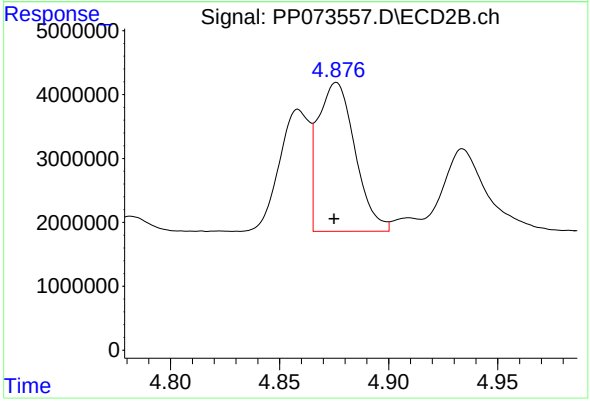
#3 AR-1016-1

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



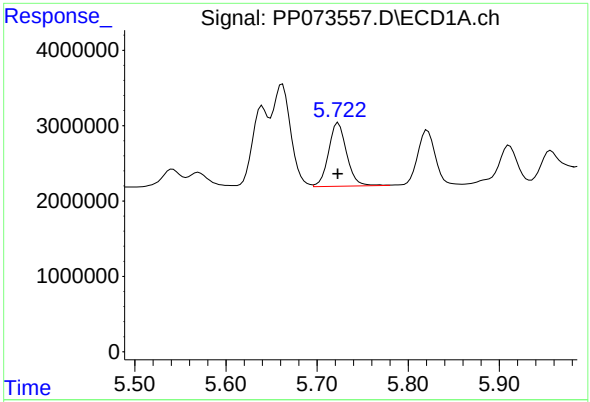
#4 AR-1016-2

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



#4 AR-1016-2

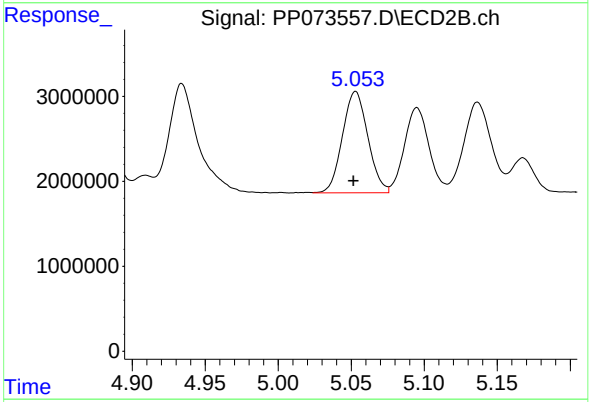
R.T.: 4.876 min
Delta R.T.: 0.001 min
Response: 27468197
Conc: 267.75 ng/ml



#5 AR-1016-3

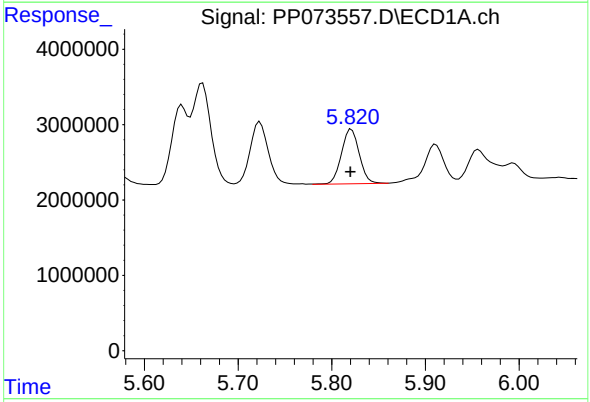
R.T.: 5.723 min
Delta R.T.: 0.000 min
Response: 11597460
Conc: 262.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



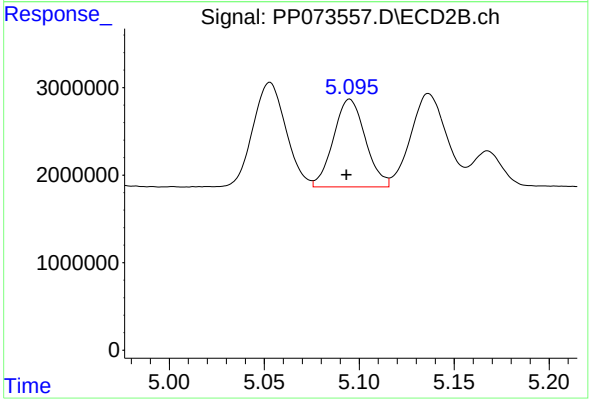
#5 AR-1016-3

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



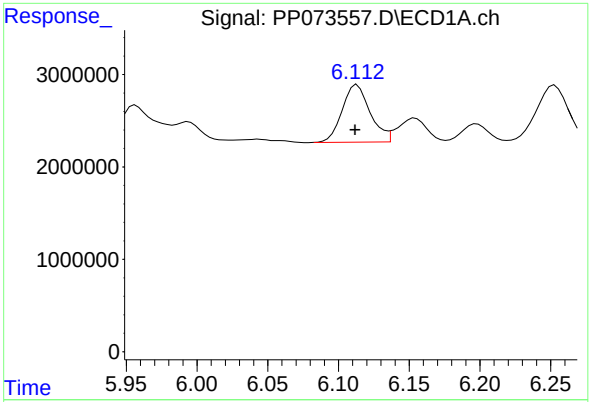
#6 AR-1016-4

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



#6 AR-1016-4

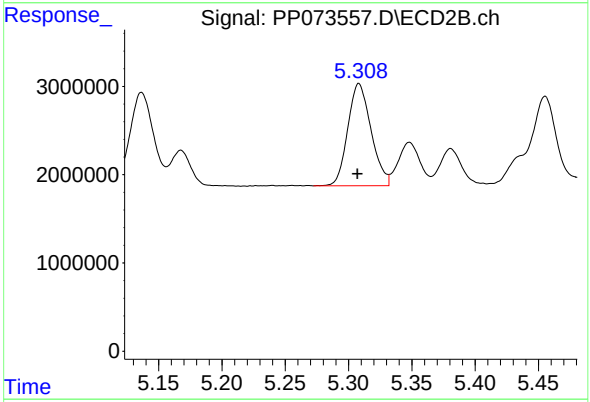
R.T.: 5.095 min
Delta R.T.: 0.002 min
Response: 11760046
Conc: 267.90 ng/ml



#7 AR-1016-5

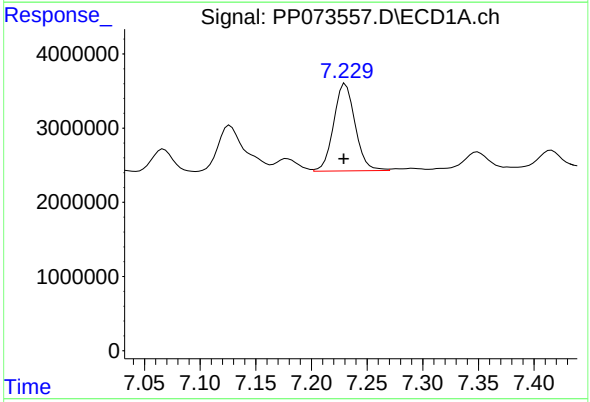
R.T.: 6.113 min
Delta R.T.: 0.001 min
Response: 8568508
Conc: 261.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



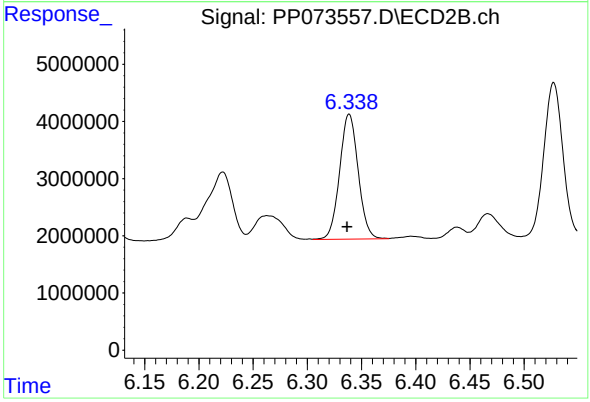
#7 AR-1016-5

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



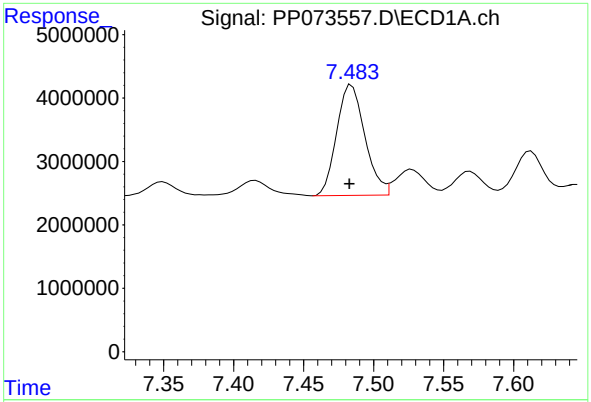
#31 AR-1260-1

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



#31 AR-1260-1

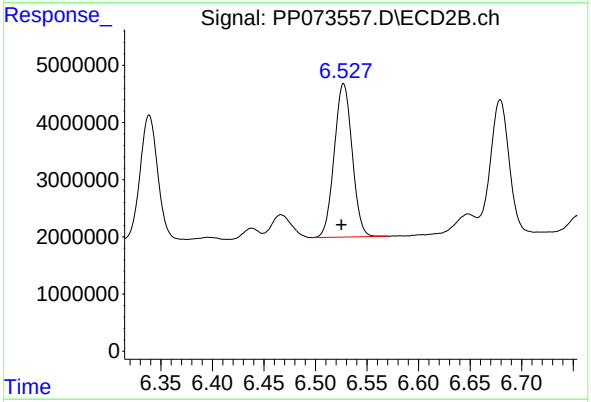
R.T.: 6.339 min
Delta R.T.: 0.002 min
Response: 26051826
Conc: 261.90 ng/ml



#32 AR-1260-2

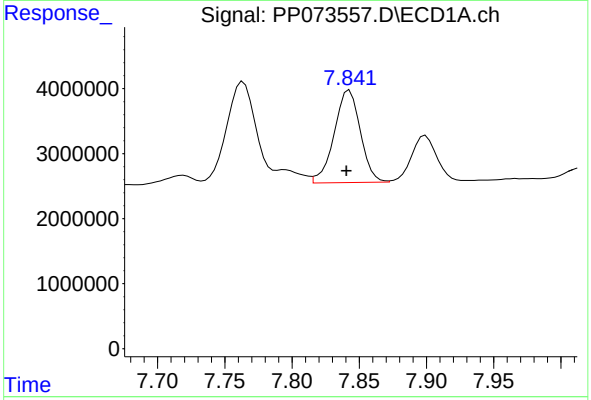
R.T.: 7.484 min
Delta R.T.: 0.002 min
Response: 24493361
Conc: 270.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



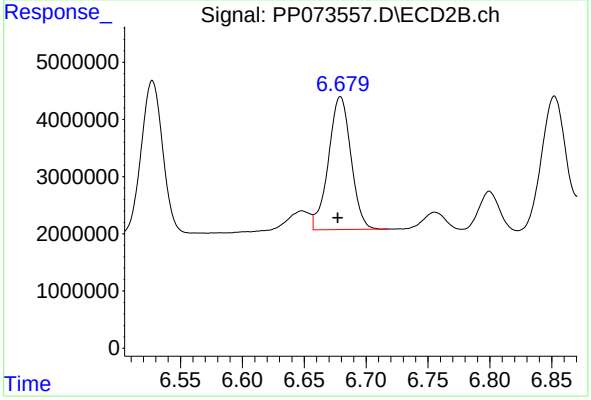
#32 AR-1260-2

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



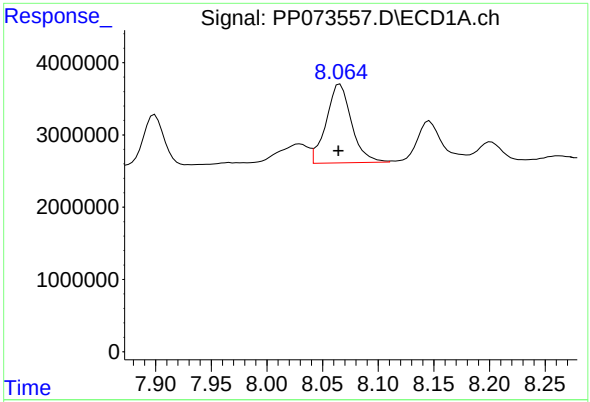
#33 AR-1260-3

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



#33 AR-1260-3

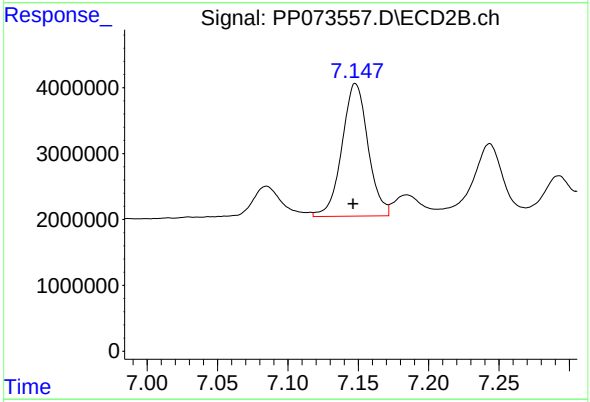
R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 29417085
Conc: 261.97 ng/ml



#34 AR-1260-4

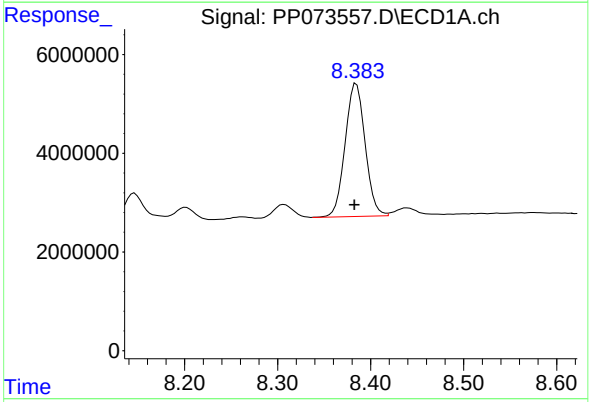
R.T.: 8.066 min
Delta R.T.: 0.001 min
Response: 17258868
Conc: 258.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



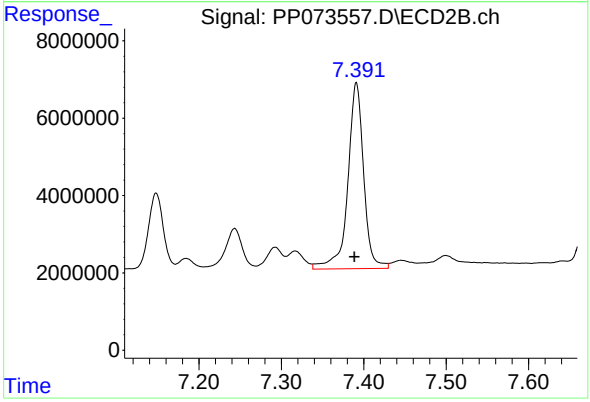
#34 AR-1260-4

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

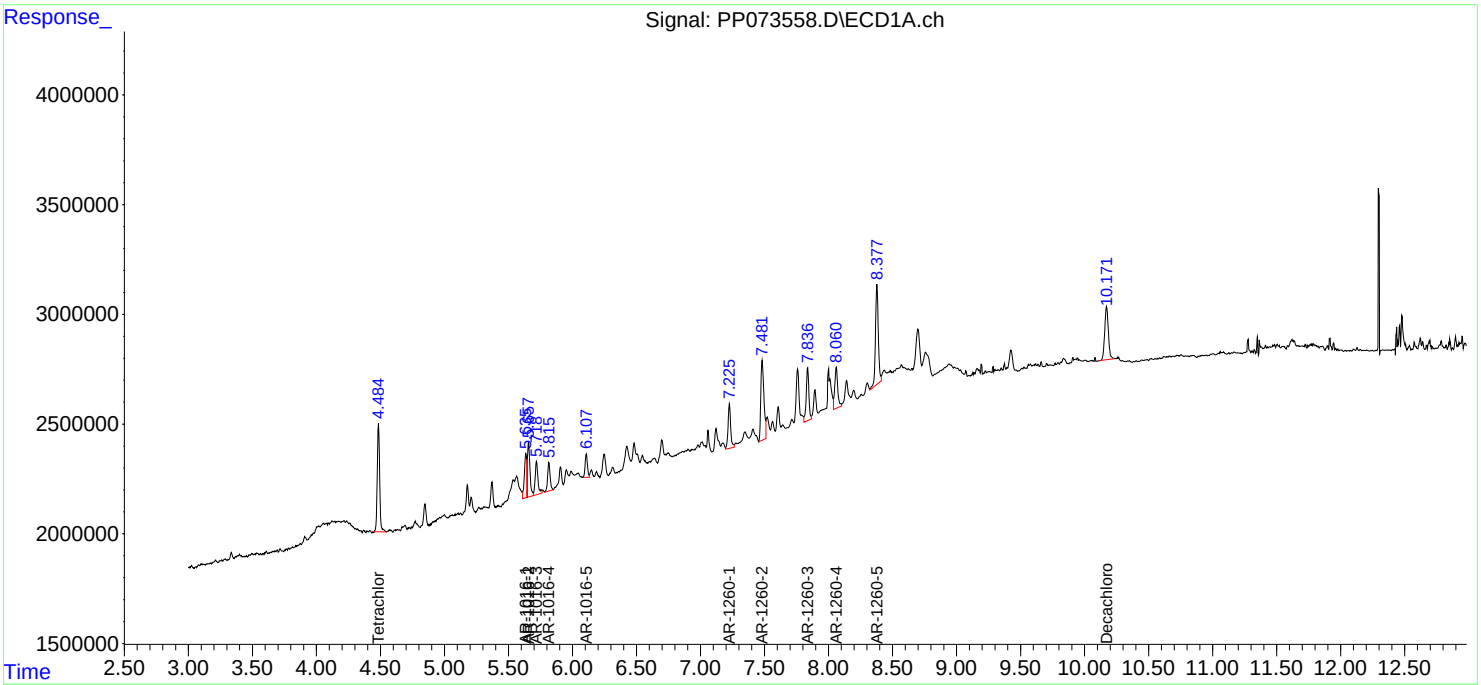
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

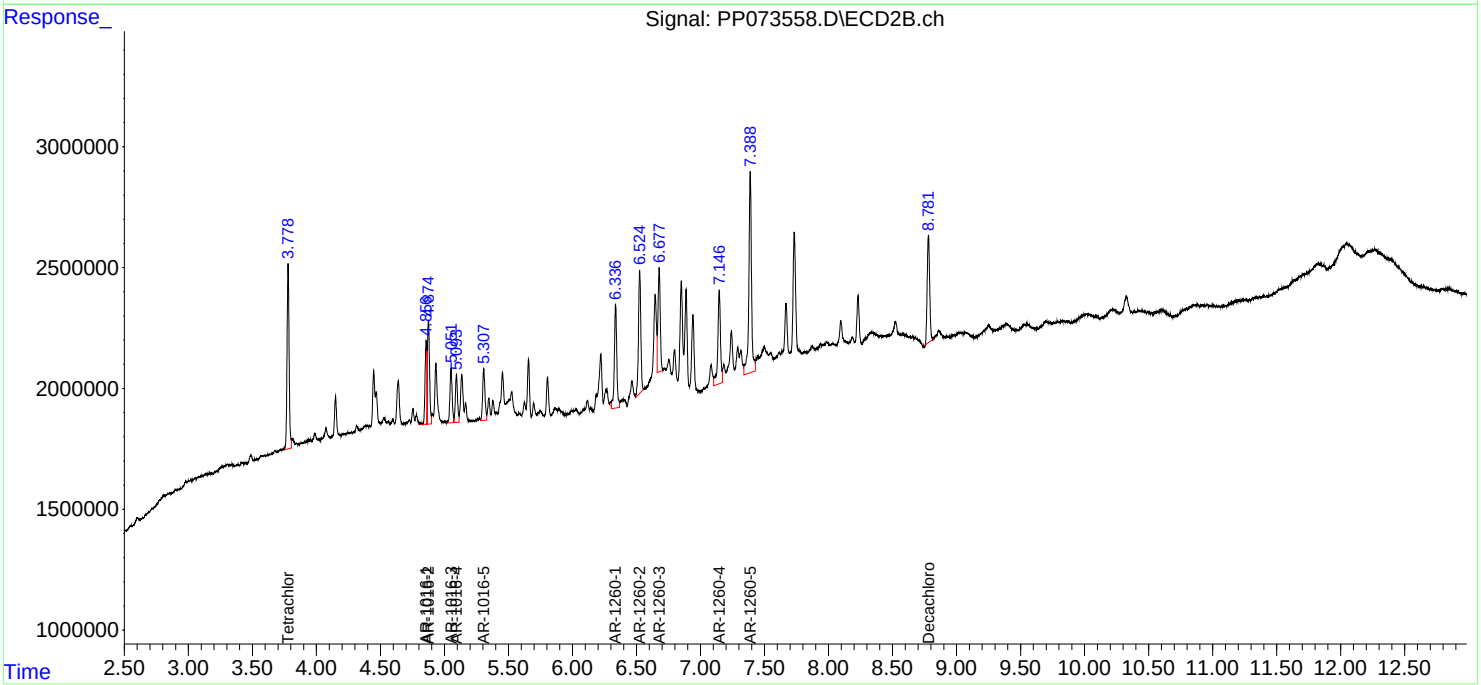
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:08
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

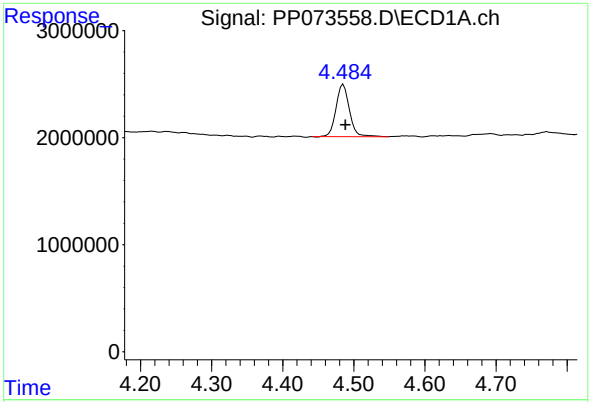
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

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



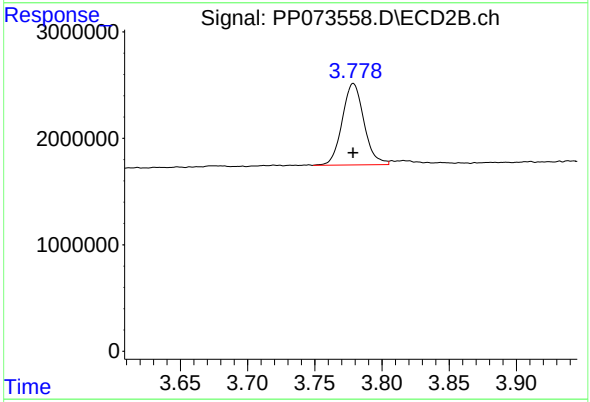




#1 Tetrachloro-m-xylene

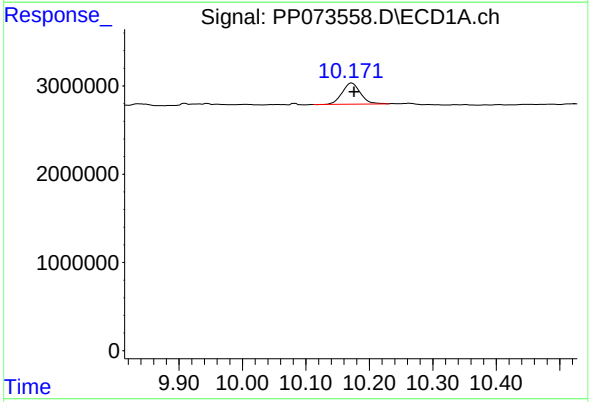
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 6400868
Conc: 4.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



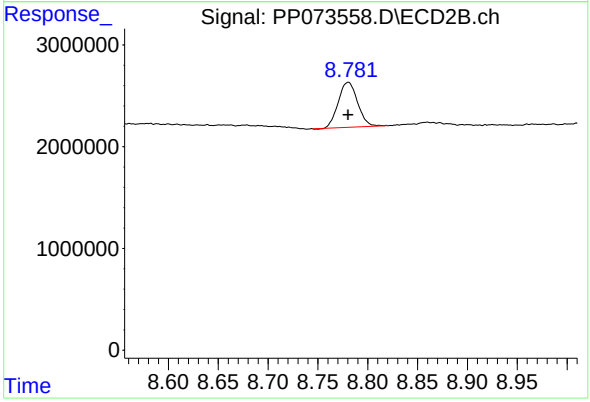
#1 Tetrachloro-m-xylene

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



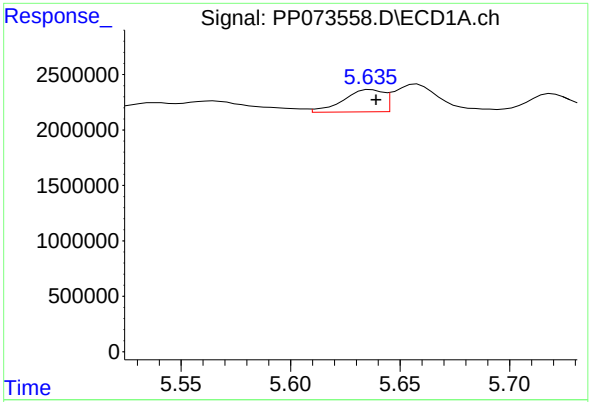
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

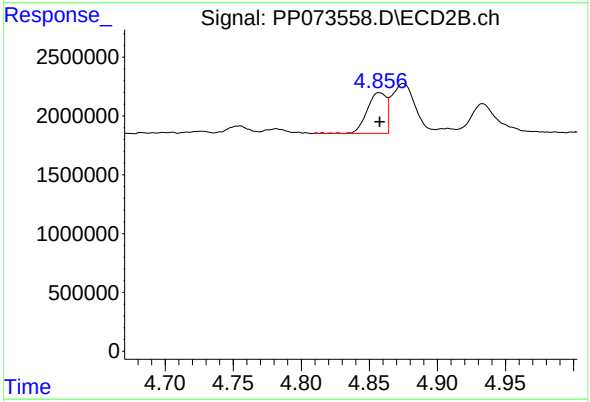
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 5986472
Conc: 4.52 ng/ml



#3 AR-1016-1

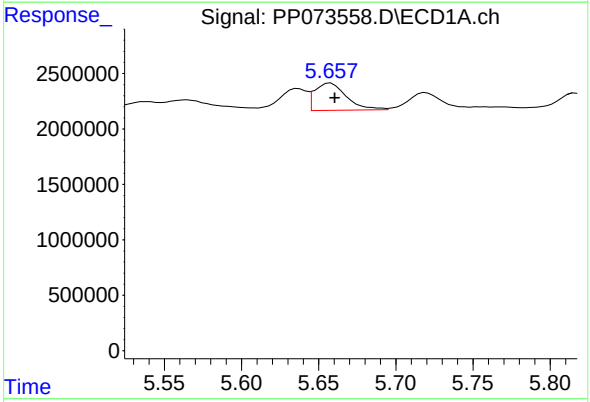
R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 2553683
Conc: 54.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



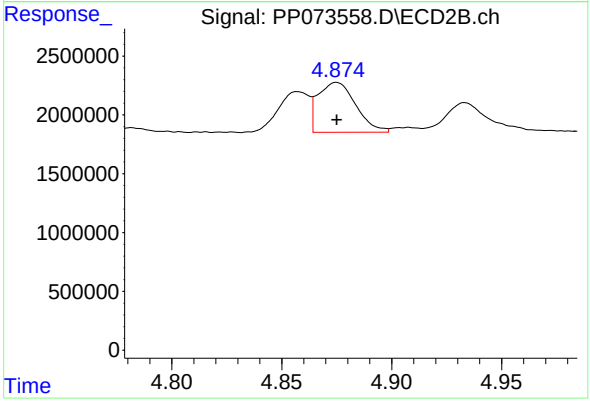
#3 AR-1016-1

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



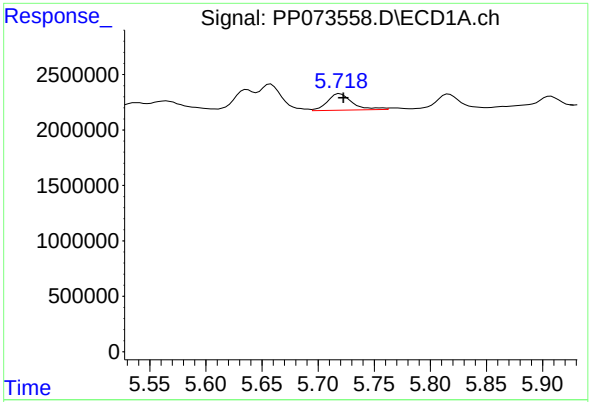
#4 AR-1016-2

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



#4 AR-1016-2

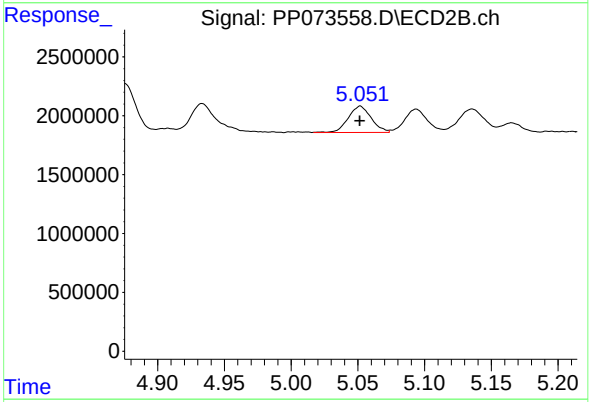
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 5058097
Conc: 49.30 ng/ml



#5 AR-1016-3

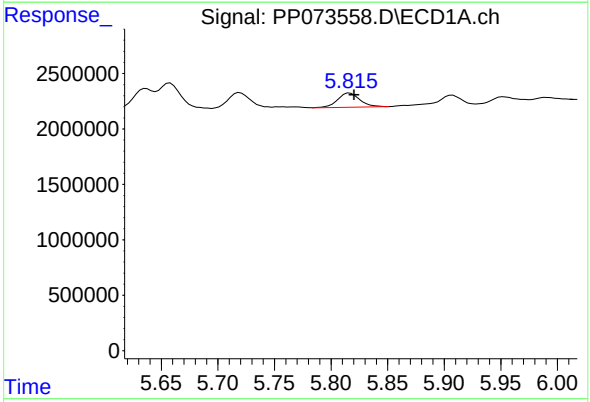
R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 2287754
Conc: 51.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



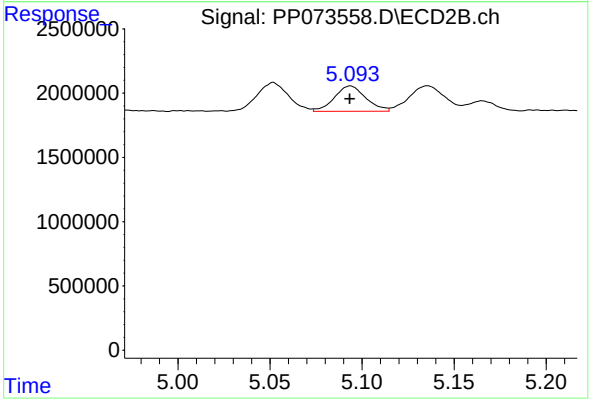
#5 AR-1016-3

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



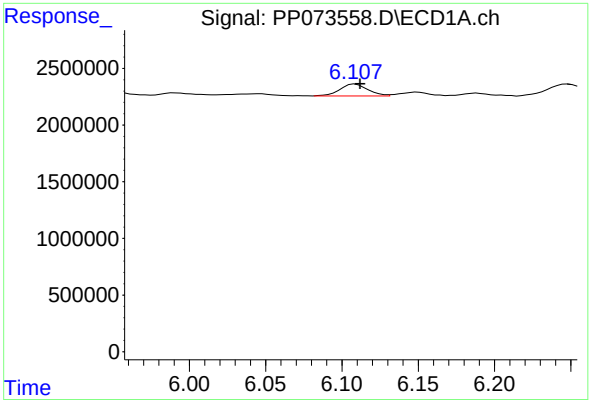
#6 AR-1016-4

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



#6 AR-1016-4

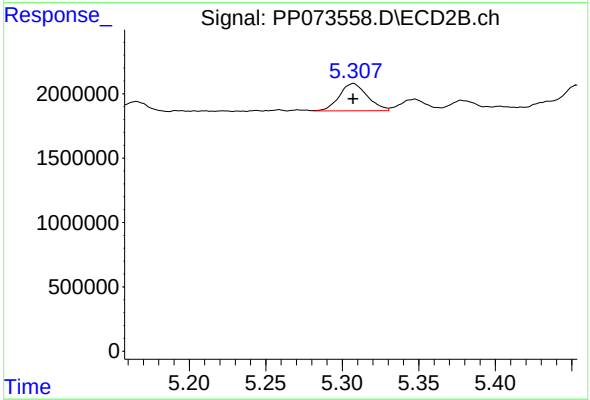
R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 2333668
Conc: 53.16 ng/ml



#7 AR-1016-5

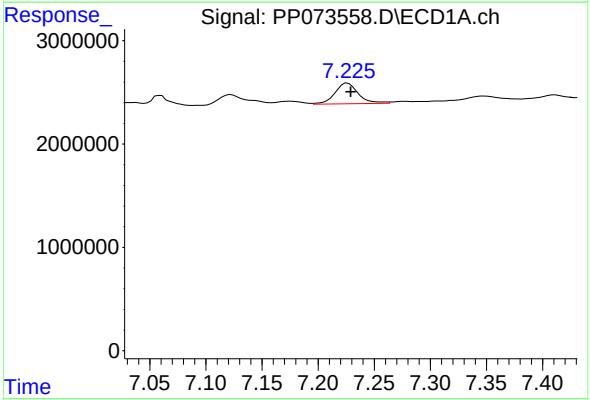
R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 1335478
Conc: 40.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



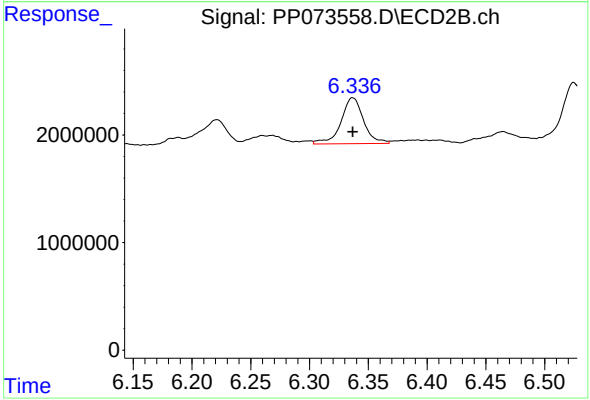
#7 AR-1016-5

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



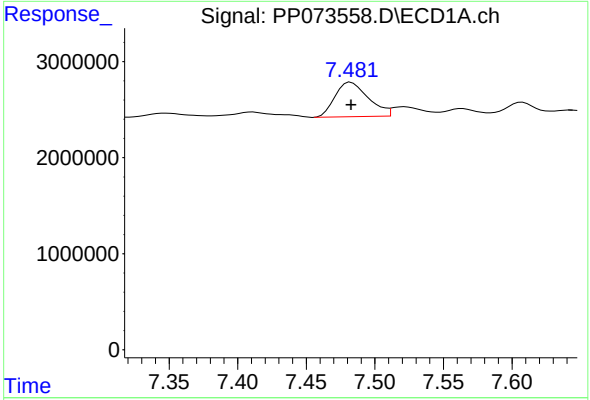
#31 AR-1260-1

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



#31 AR-1260-1

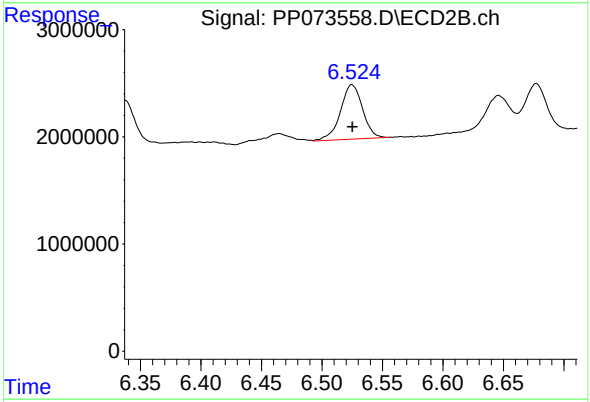
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 5720547
Conc: 57.51 ng/ml



#32 AR-1260-2

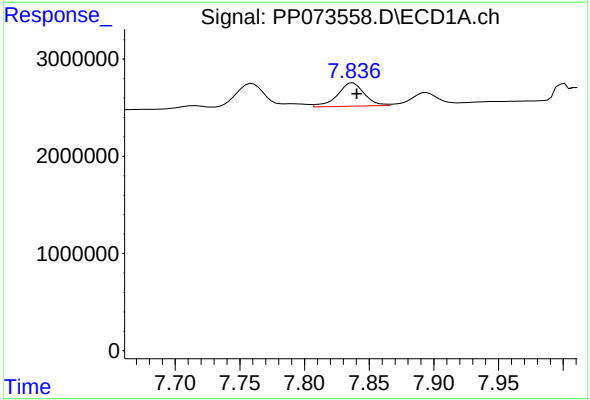
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 6085083
Conc: 67.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



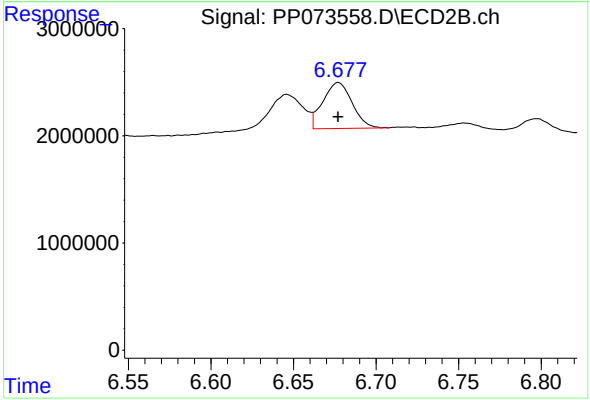
#32 AR-1260-2

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



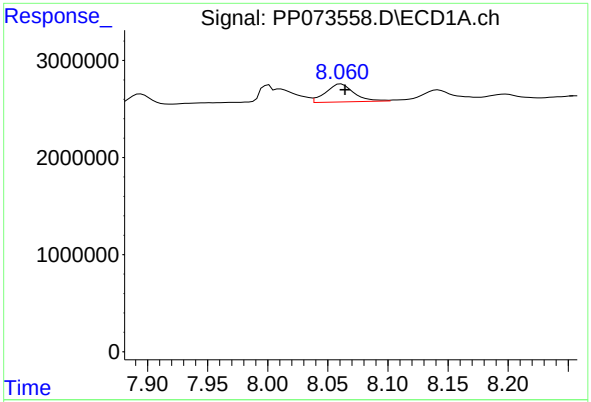
#33 AR-1260-3

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



#33 AR-1260-3

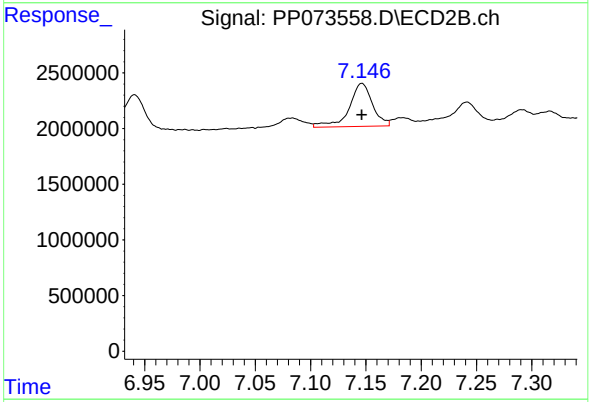
R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 5301254
Conc: 47.21 ng/ml



#34 AR-1260-4

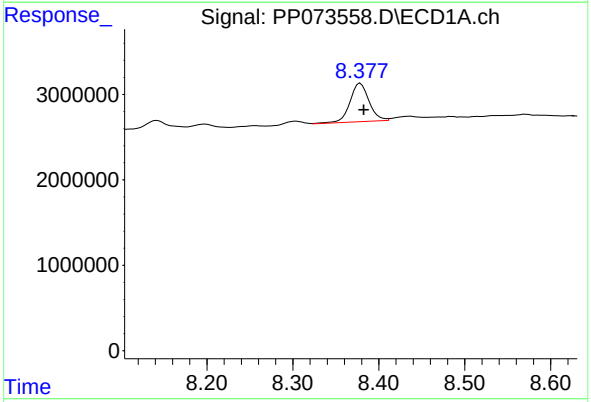
R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 3038521
Conc: 45.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



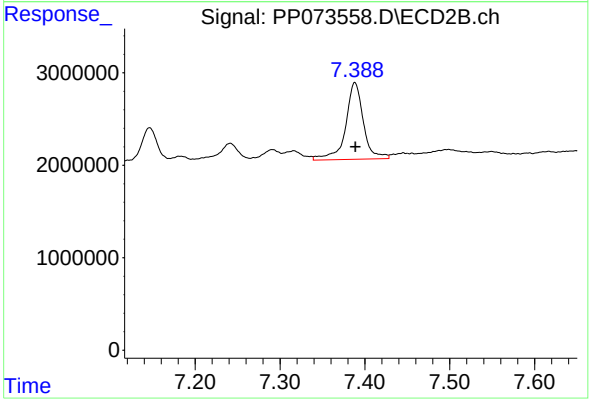
#34 AR-1260-4

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 #

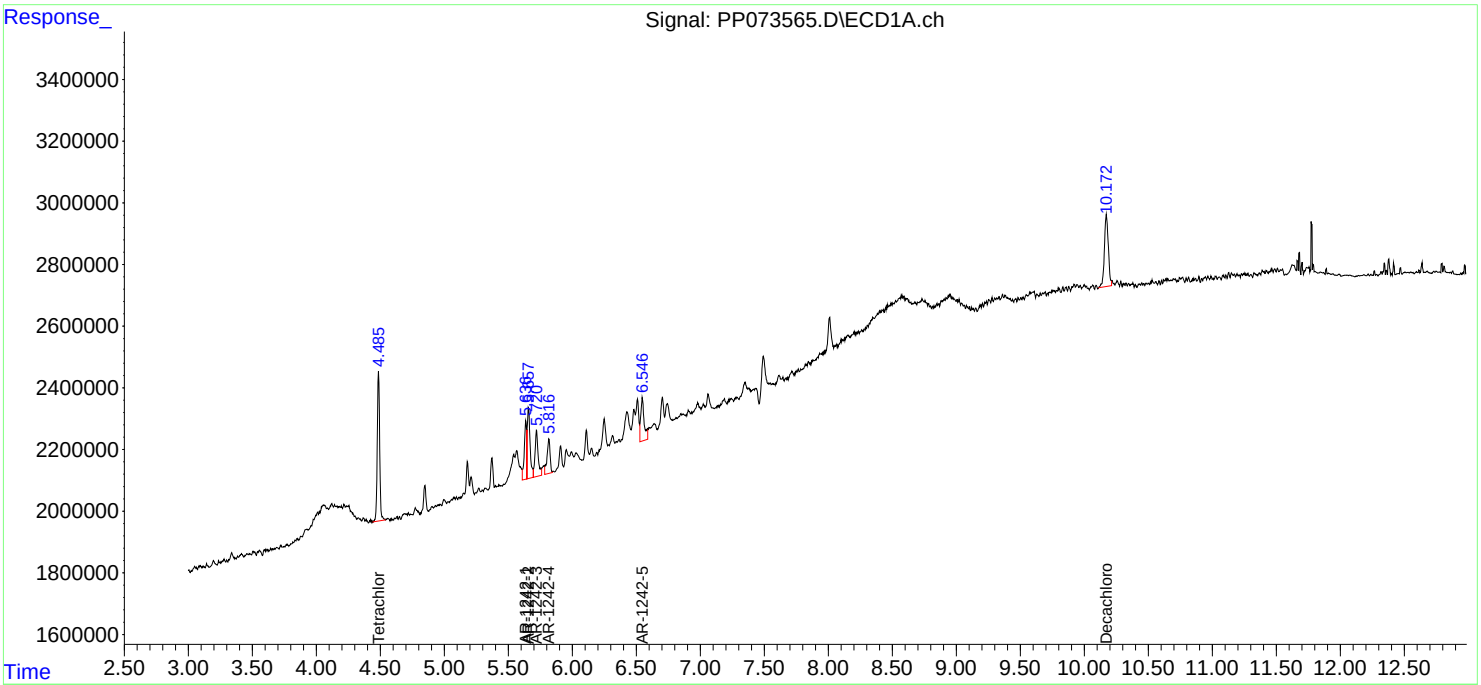
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

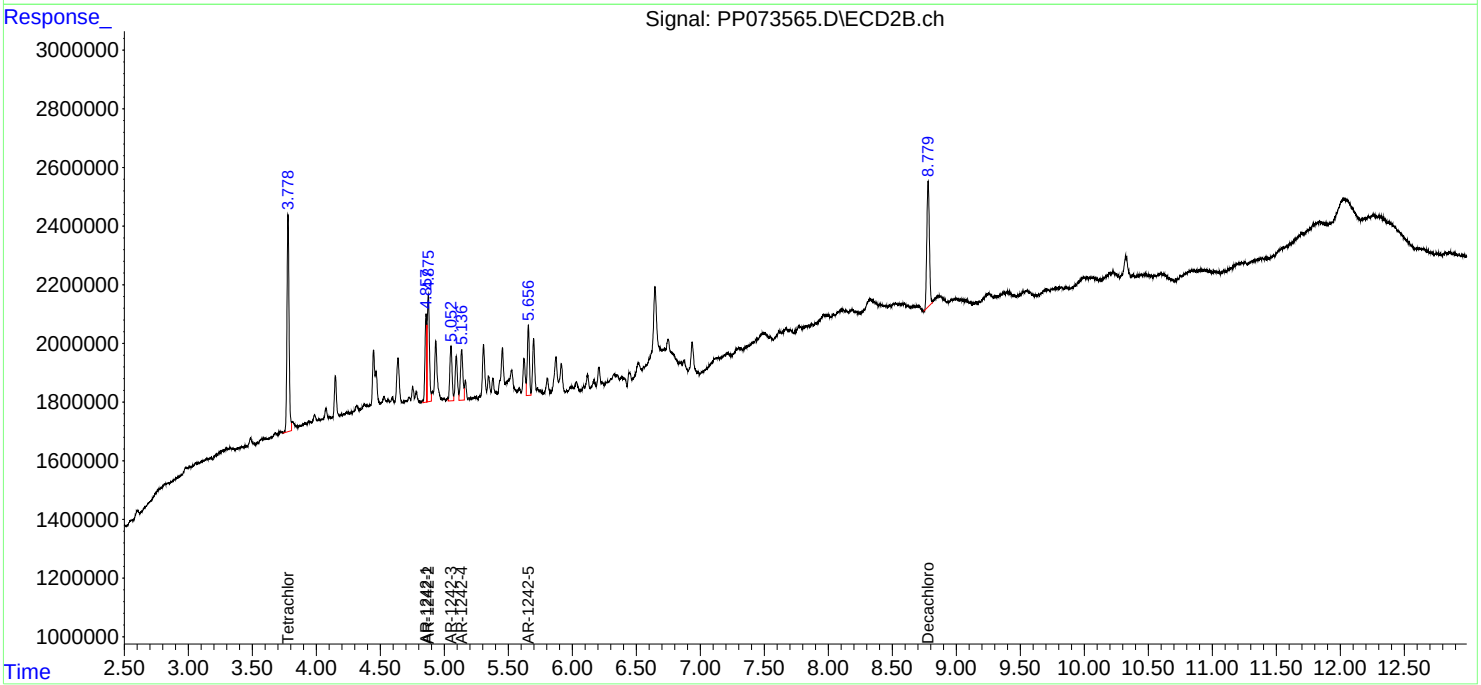
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:03
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

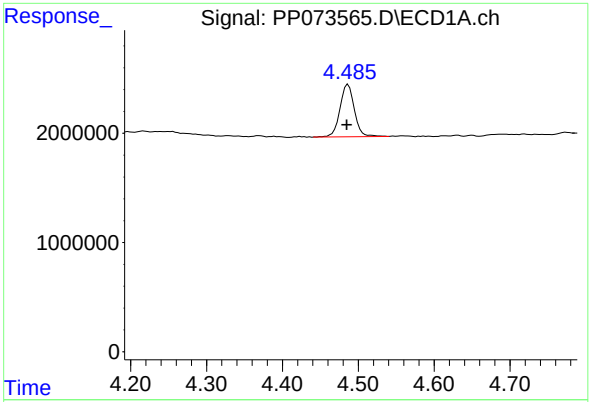
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

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



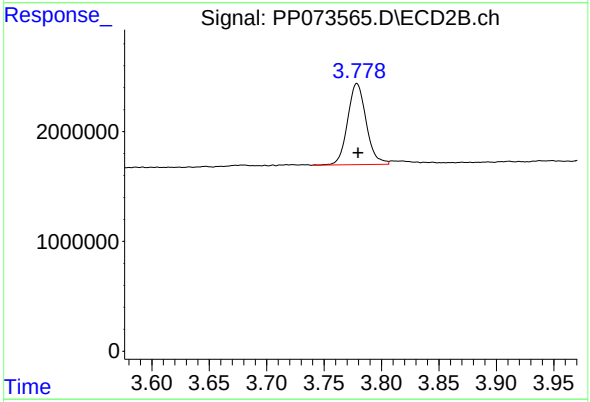




#1 Tetrachloro-m-xylene

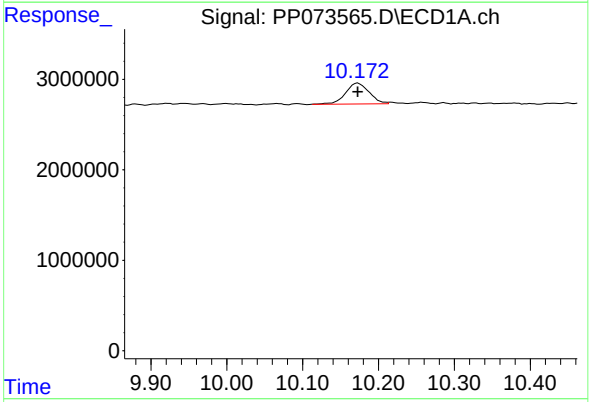
R.T.: 4.487 min
Delta R.T.: 0.002 min
Response: 6312847
Conc: 4.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



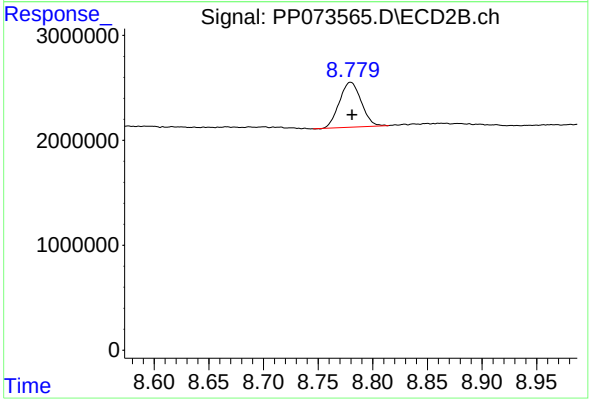
#1 Tetrachloro-m-xylene

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



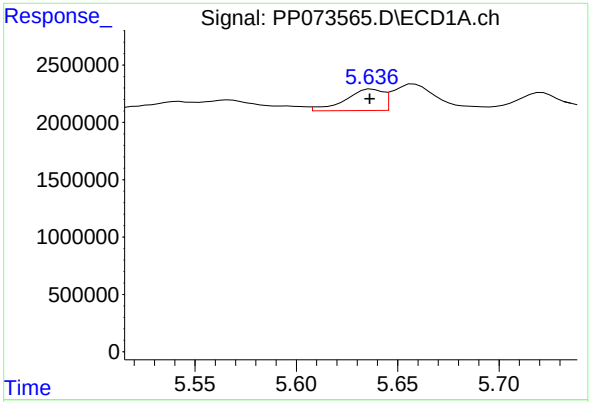
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

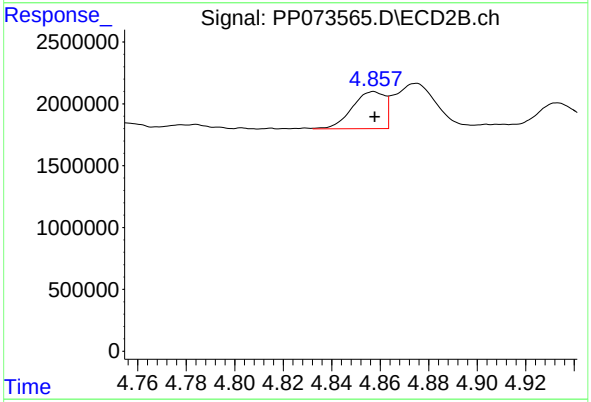
R.T.: 8.780 min
Delta R.T.: -0.001 min
Response: 5974096
Conc: 4.42 ng/ml



#16 AR-1242-1

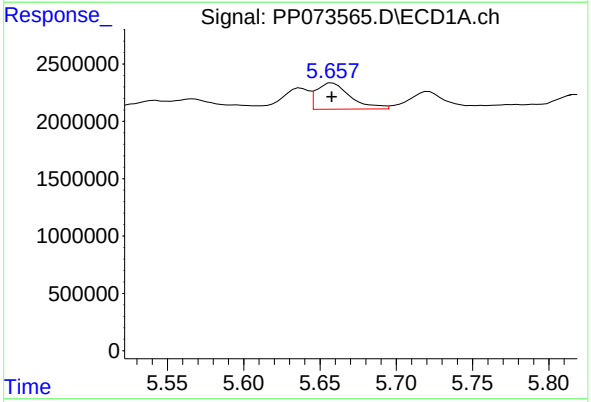
R.T.: 5.637 min
Delta R.T.: 0.001 min
Response: 2418928
Conc: 59.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



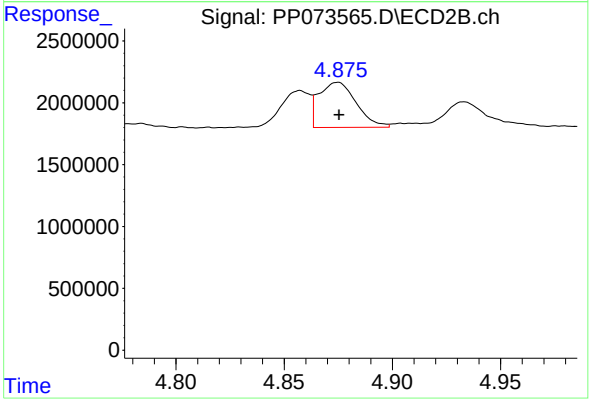
#16 AR-1242-1

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



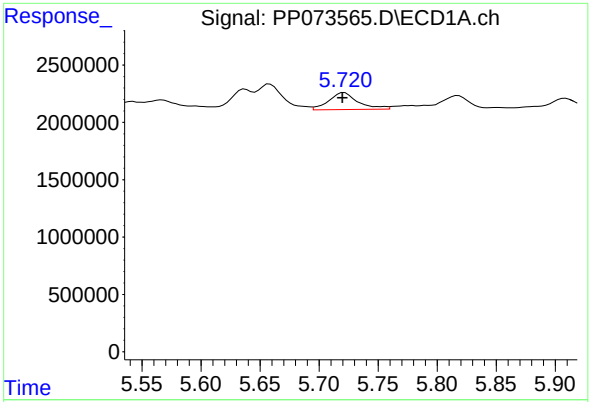
#17 AR-1242-2

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 3555771
Conc: 56.32 ng/ml



#17 AR-1242-2

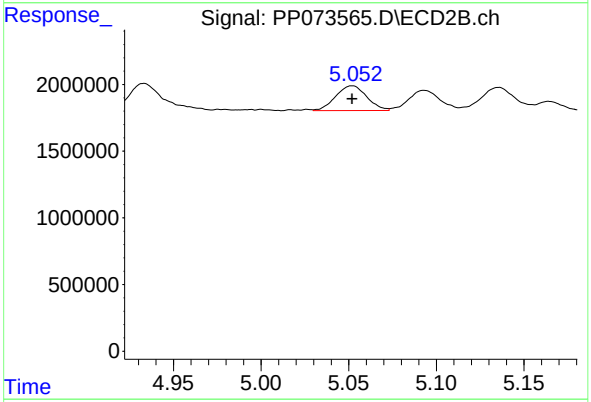
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 4375880
Conc: 49.21 ng/ml



#18 AR-1242-3

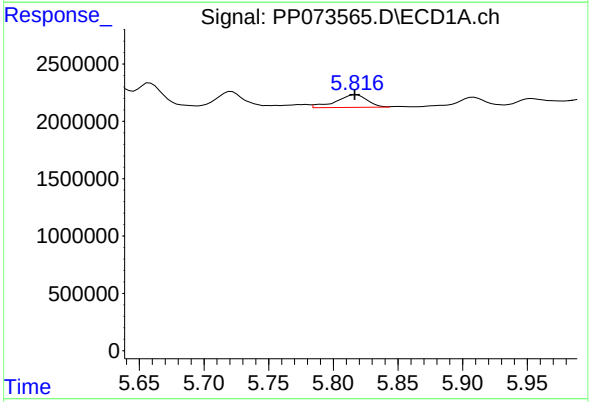
R.T.: 5.721 min
Delta R.T.: 0.002 min
Response: 2548756
Conc: 66.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



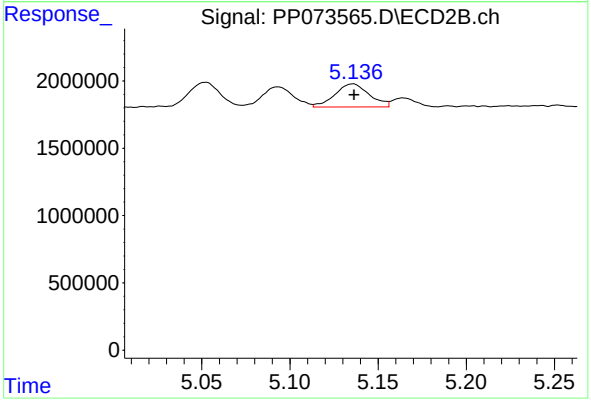
#18 AR-1242-3

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



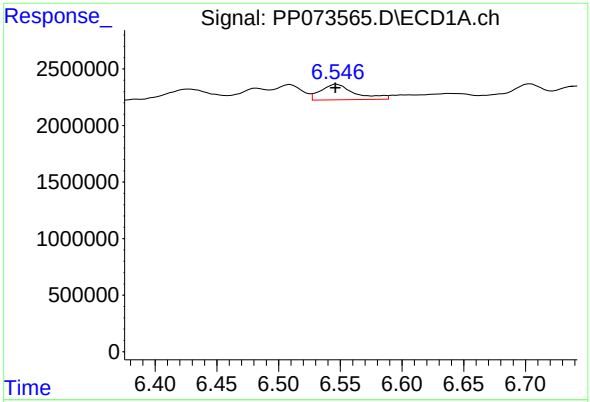
#19 AR-1242-4

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



#19 AR-1242-4

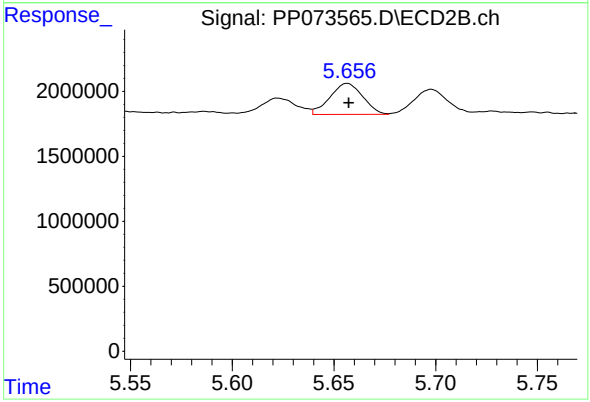
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 2337623
Conc: 51.81 ng/ml



#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.

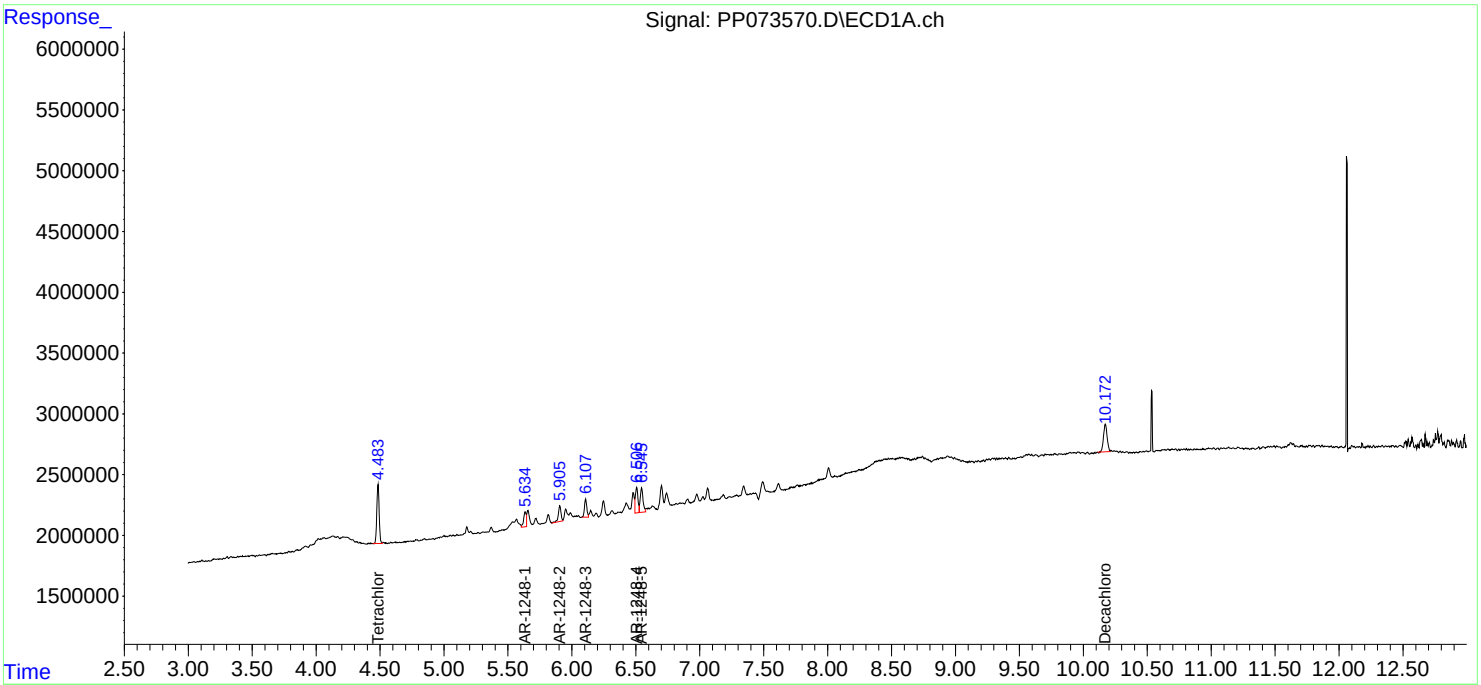
Quantitation Report (Not Reviewed)

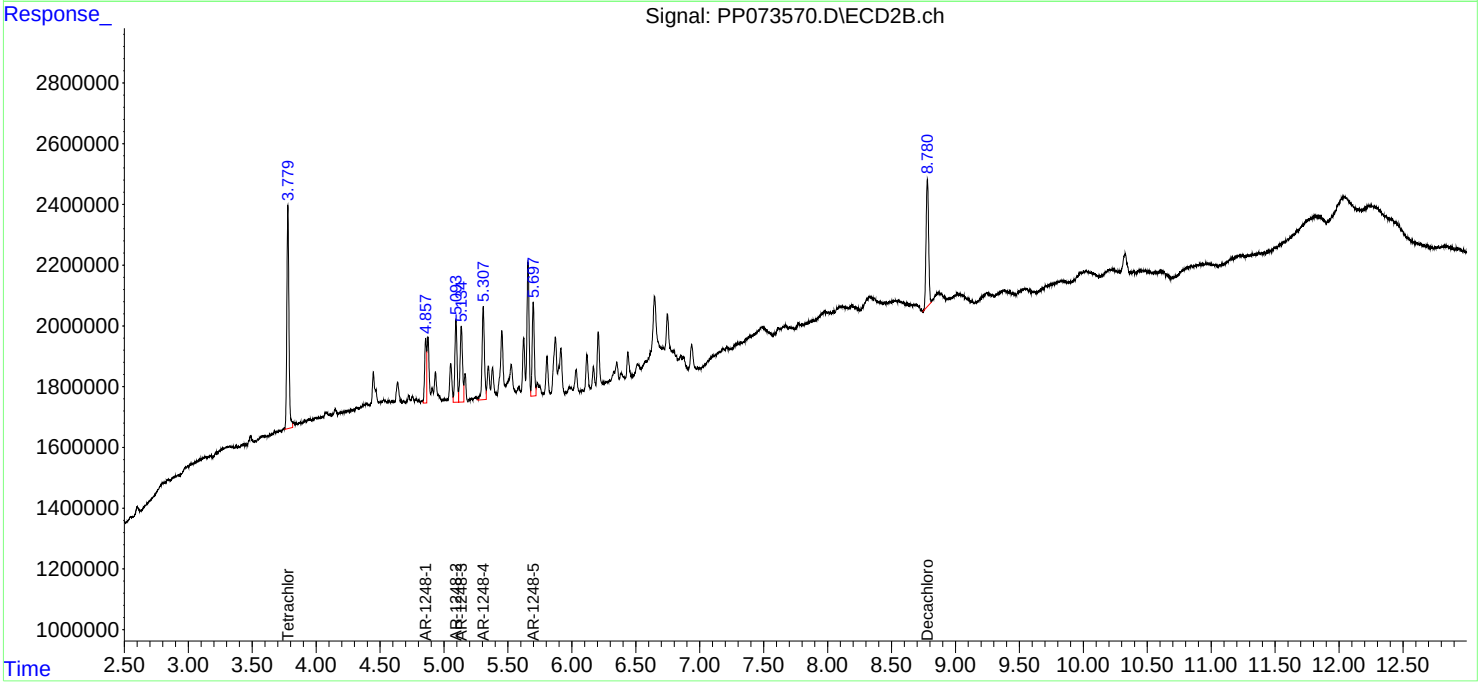
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

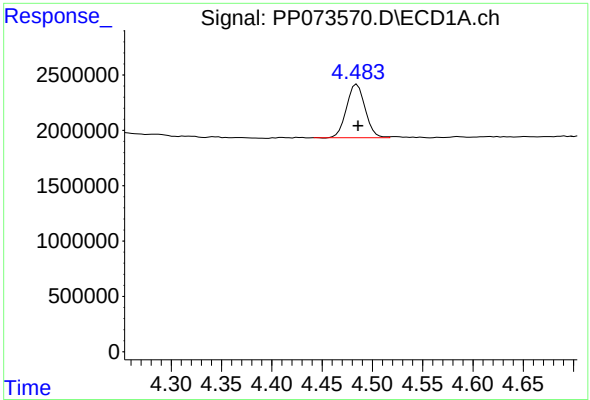
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

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



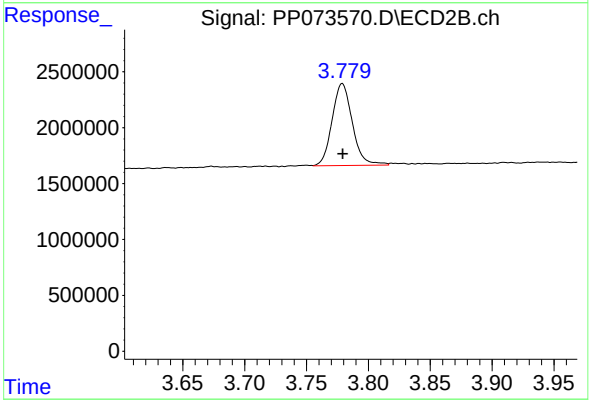




#1 Tetrachloro-m-xylene

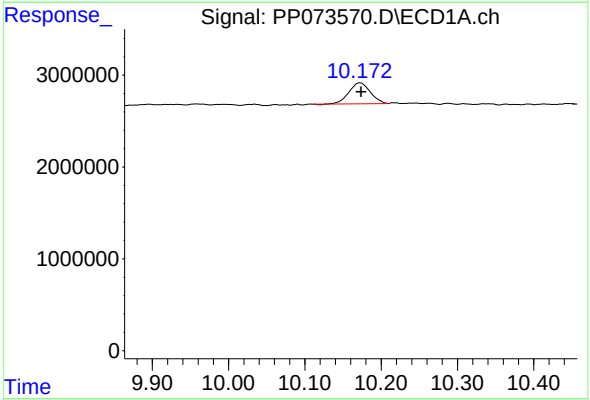
R.T.: 4.485 min
Delta R.T.: -0.001 min
Response: 6203851
Conc: 4.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



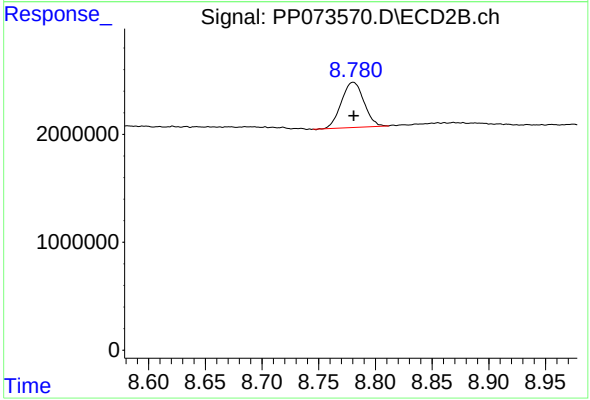
#1 Tetrachloro-m-xylene

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



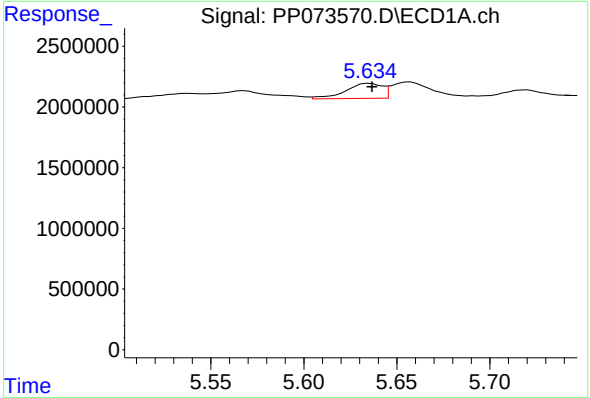
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

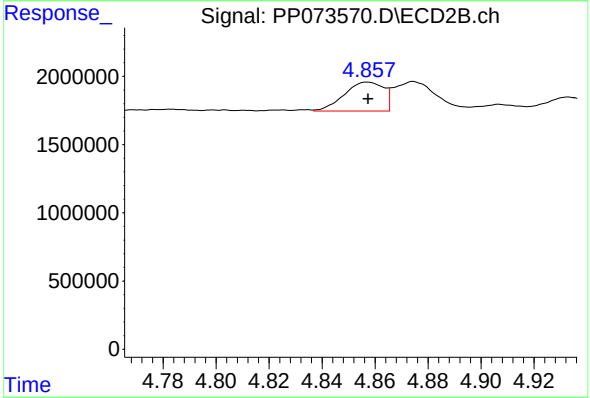
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 5794229
Conc: 4.26 ng/ml



#21 AR-1248-1

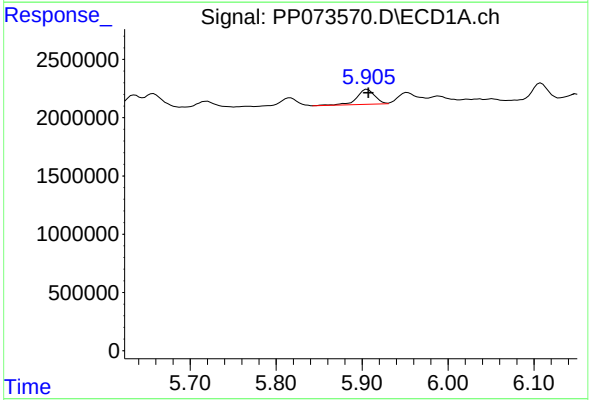
R.T.: 5.635 min
Delta R.T.: -0.001 min
Response: 1669049
Conc: 53.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



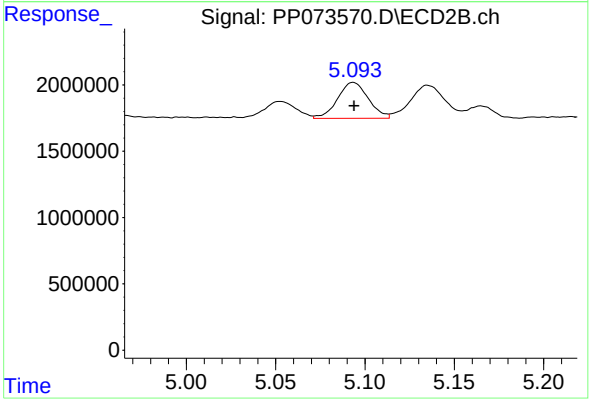
#21 AR-1248-1

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



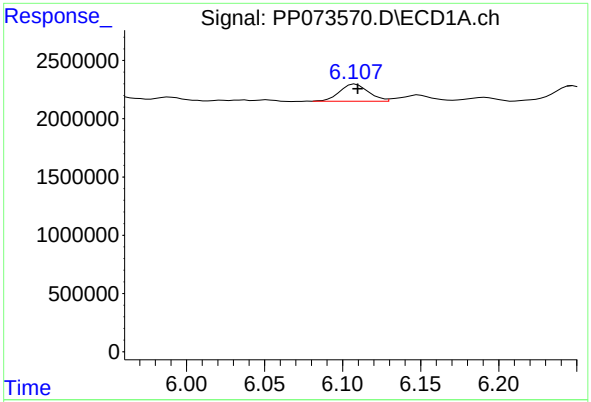
#22 AR-1248-2

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



#22 AR-1248-2

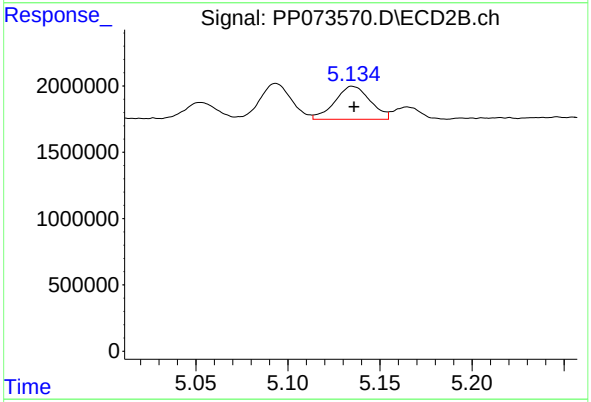
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 3238127
Conc: 52.32 ng/ml



#23 AR-1248-3

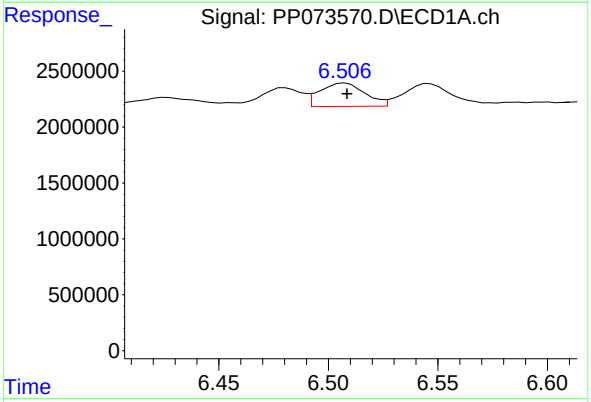
R.T.: 6.108 min
Delta R.T.: -0.001 min
Response: 1881440
Conc: 40.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



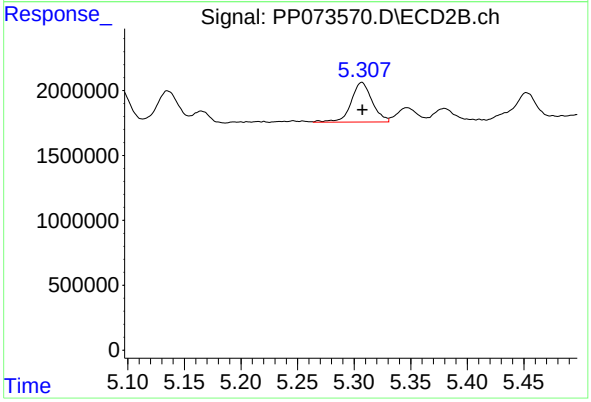
#23 AR-1248-3

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



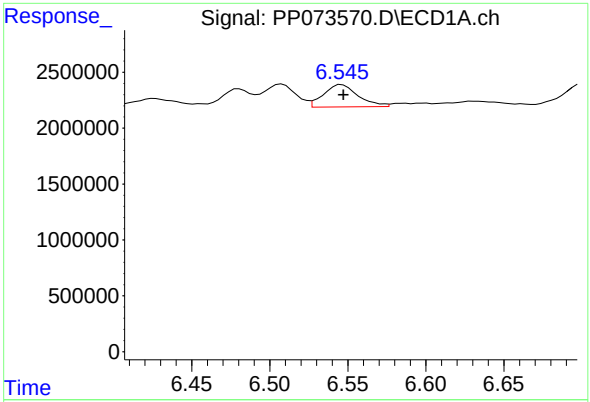
#24 AR-1248-4

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 2994458
Conc: 52.40 ng/ml



#24 AR-1248-4

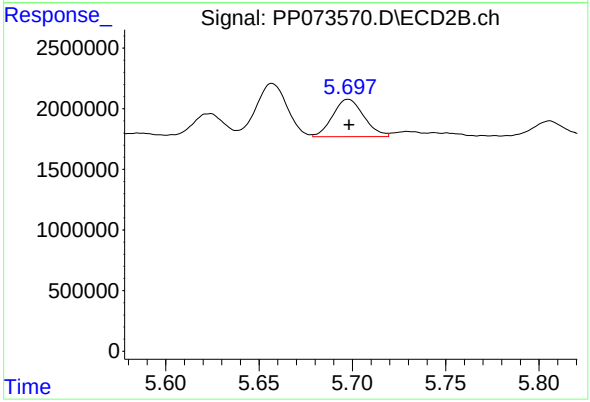
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 3957834
Conc: 52.56 ng/ml



#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.

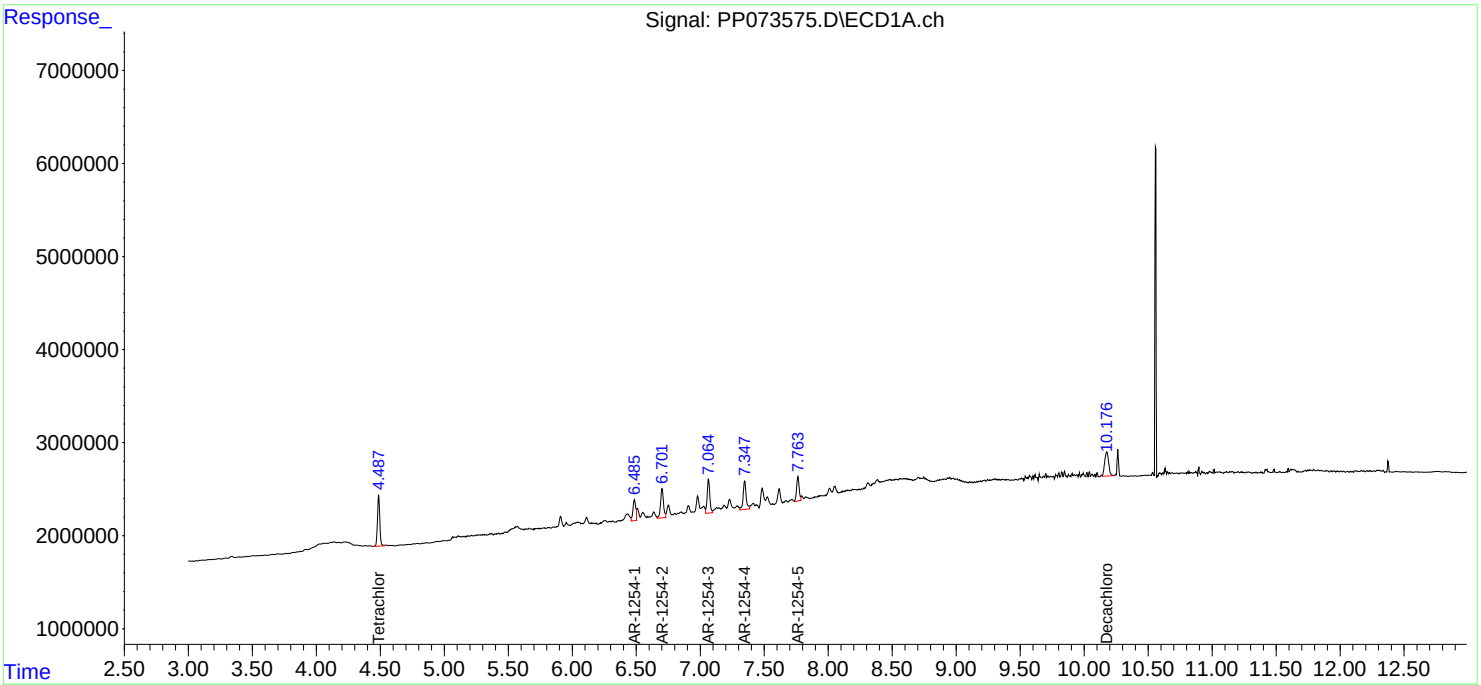
Quantitation Report (Not Reviewed)

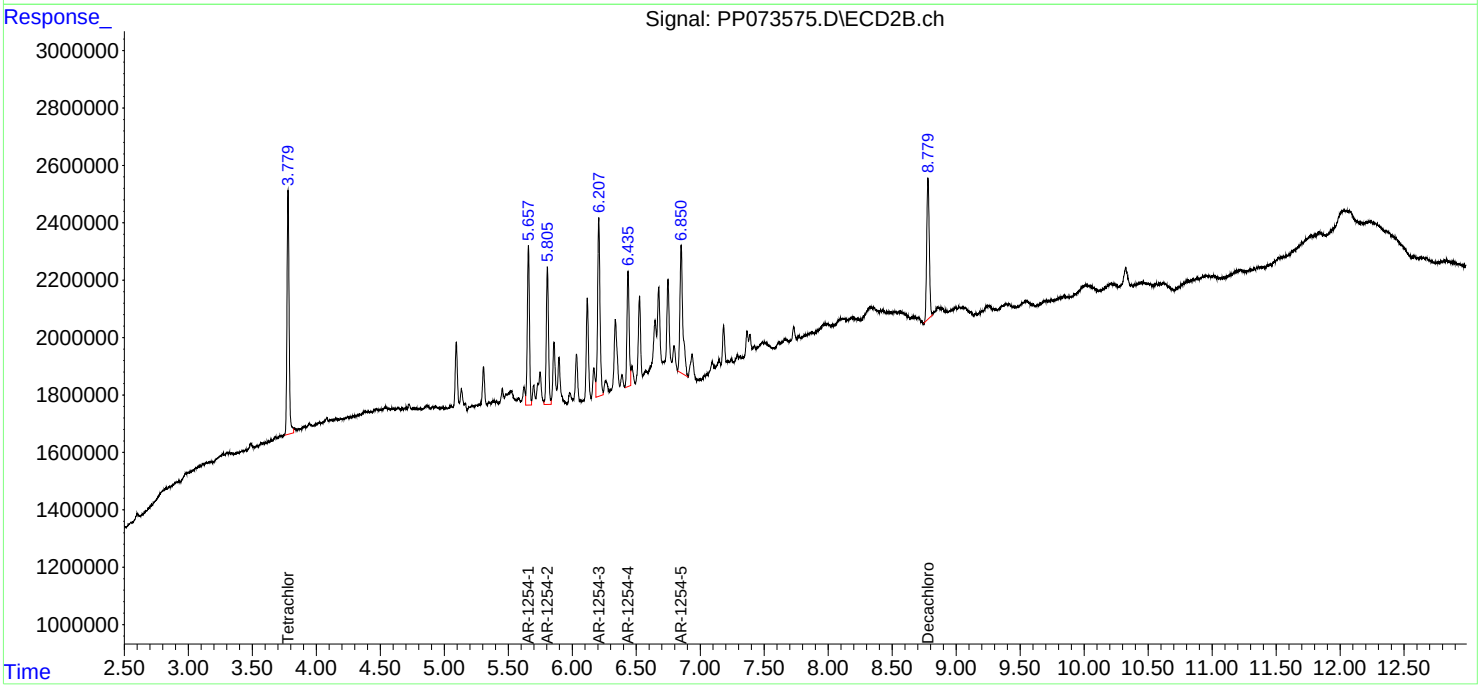
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:46
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

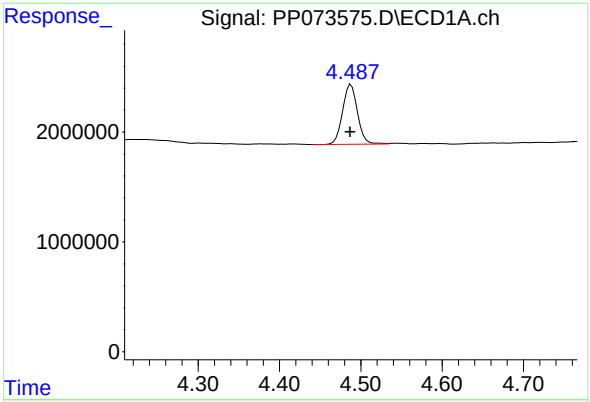
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

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



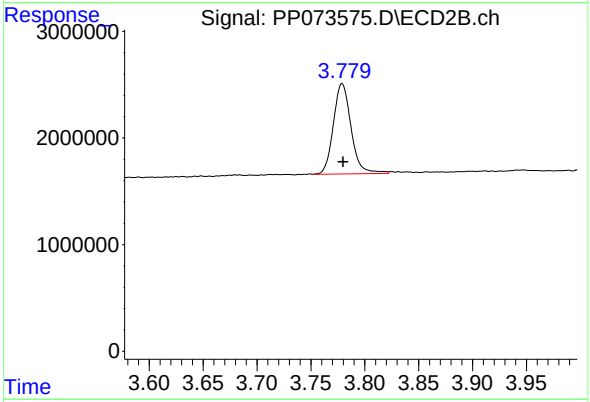




#1 Tetrachloro-m-xylene

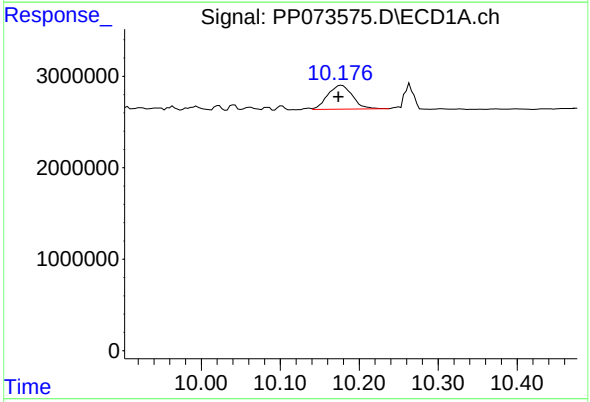
R.T.: 4.488 min
Delta R.T.: 0.001 min
Response: 6938090
Conc: 4.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



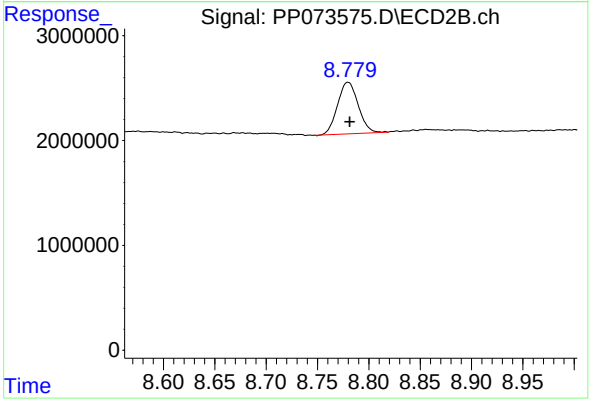
#1 Tetrachloro-m-xylene

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



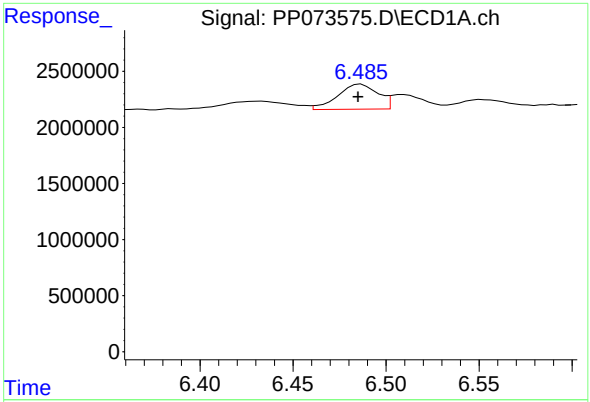
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

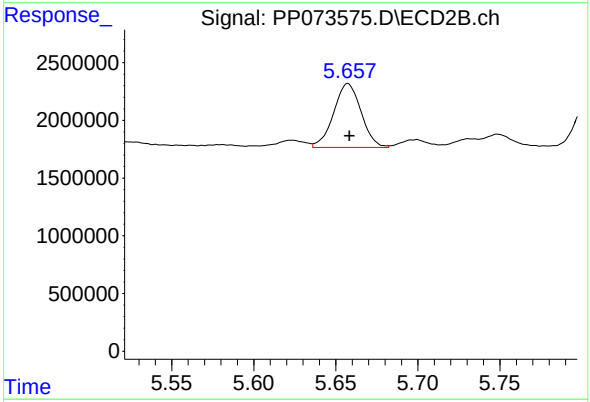
R.T.: 8.780 min
Delta R.T.: -0.002 min
Response: 6887289
Conc: 5.02 ng/ml



#26 AR-1254-1

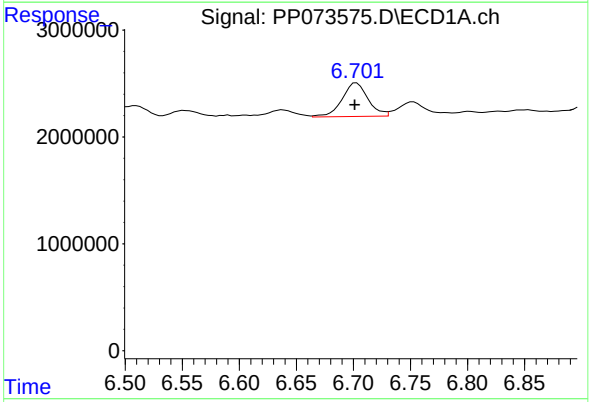
R.T.: 6.486 min
Delta R.T.: 0.002 min
Response: 3346488
Conc: 60.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



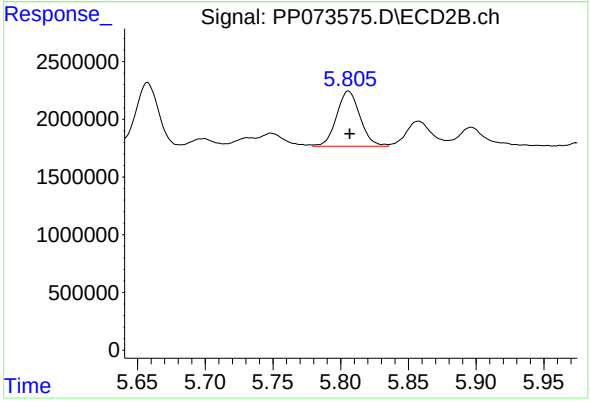
#26 AR-1254-1

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



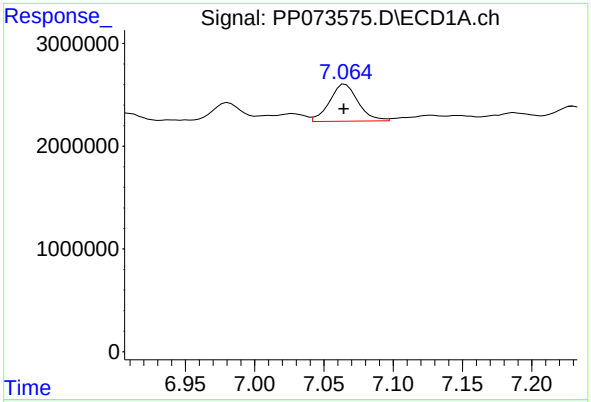
#27 AR-1254-2

R.T.: 6.703 min
Delta R.T.: 0.002 min
Response: 4971490
Conc: 60.23 ng/ml



#27 AR-1254-2

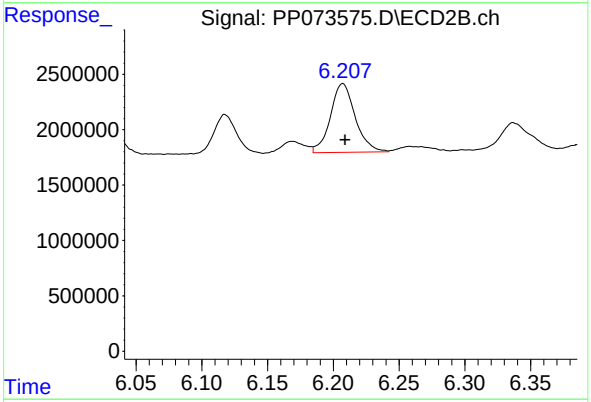
R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 5754555
Conc: 59.89 ng/ml



#28 AR-1254-3

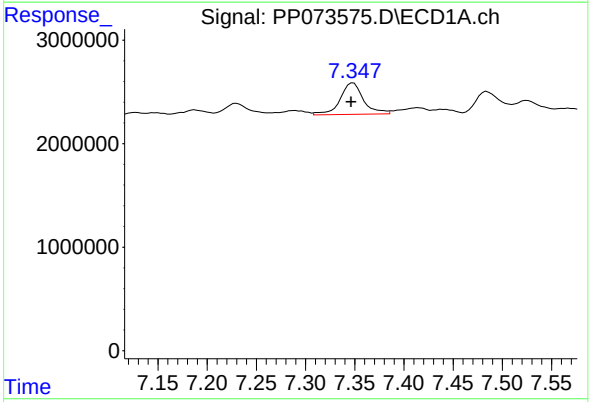
R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 5174325
Conc: 58.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



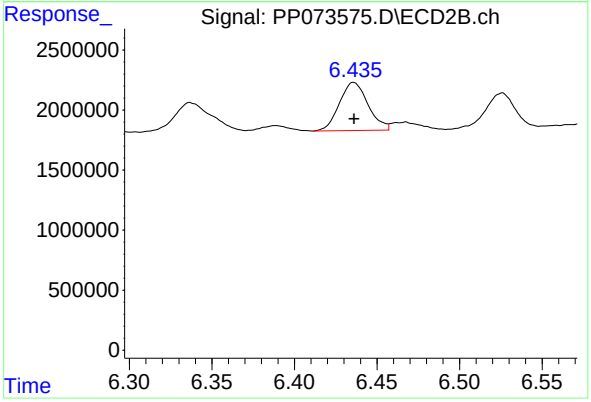
#28 AR-1254-3

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



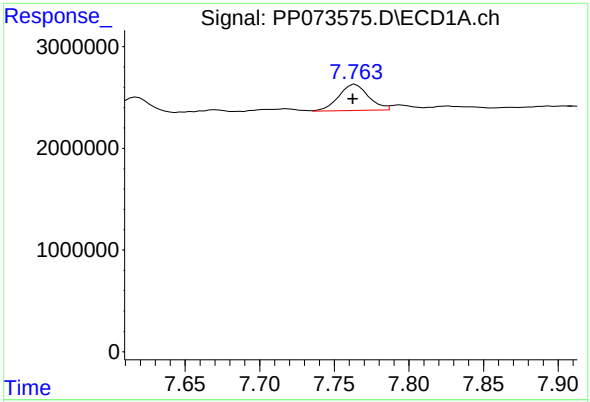
#29 AR-1254-4

R.T.: 7.349 min
Delta R.T.: 0.002 min
Response: 5012264
Conc: 62.97 ng/ml



#29 AR-1254-4

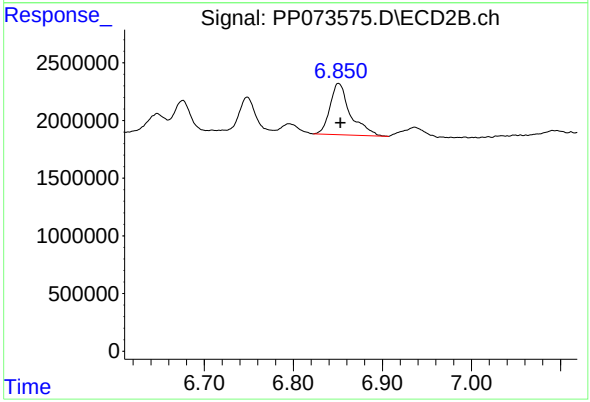
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 4857854
Conc: 51.49 ng/ml



#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

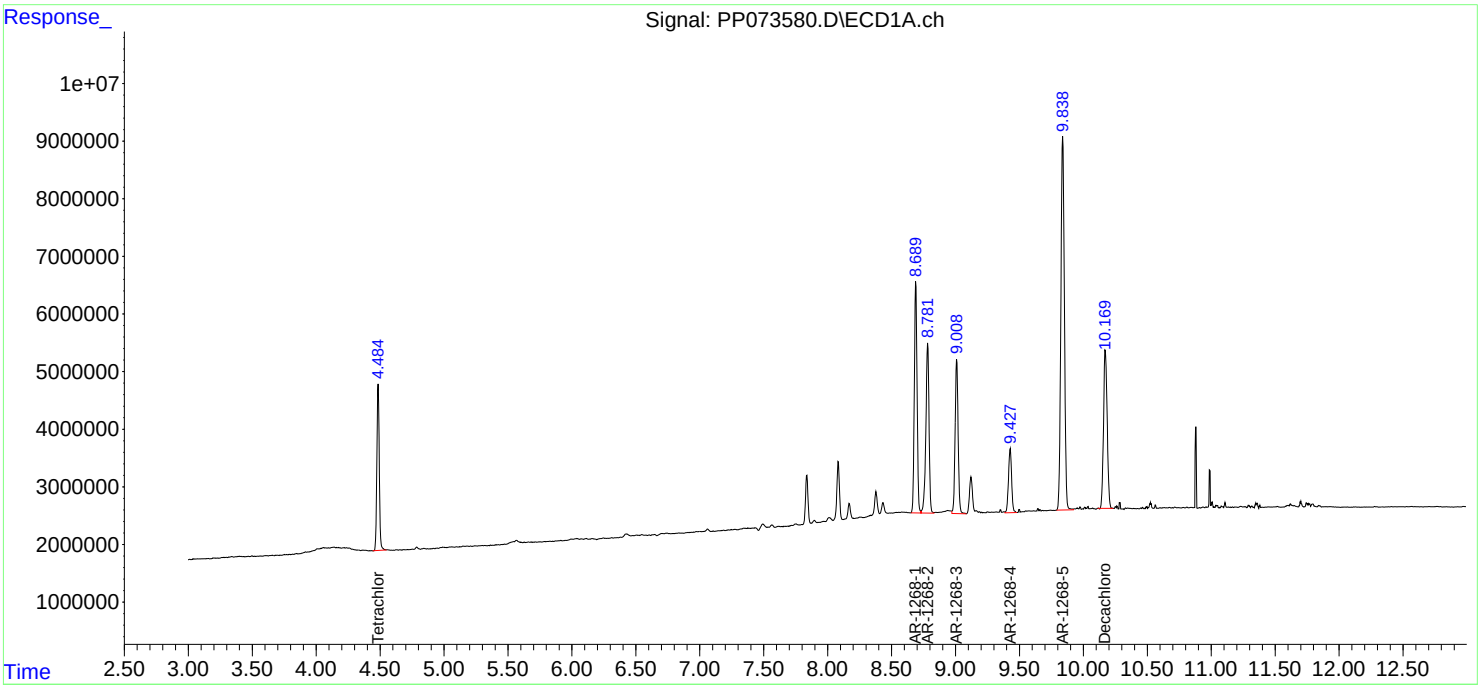
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

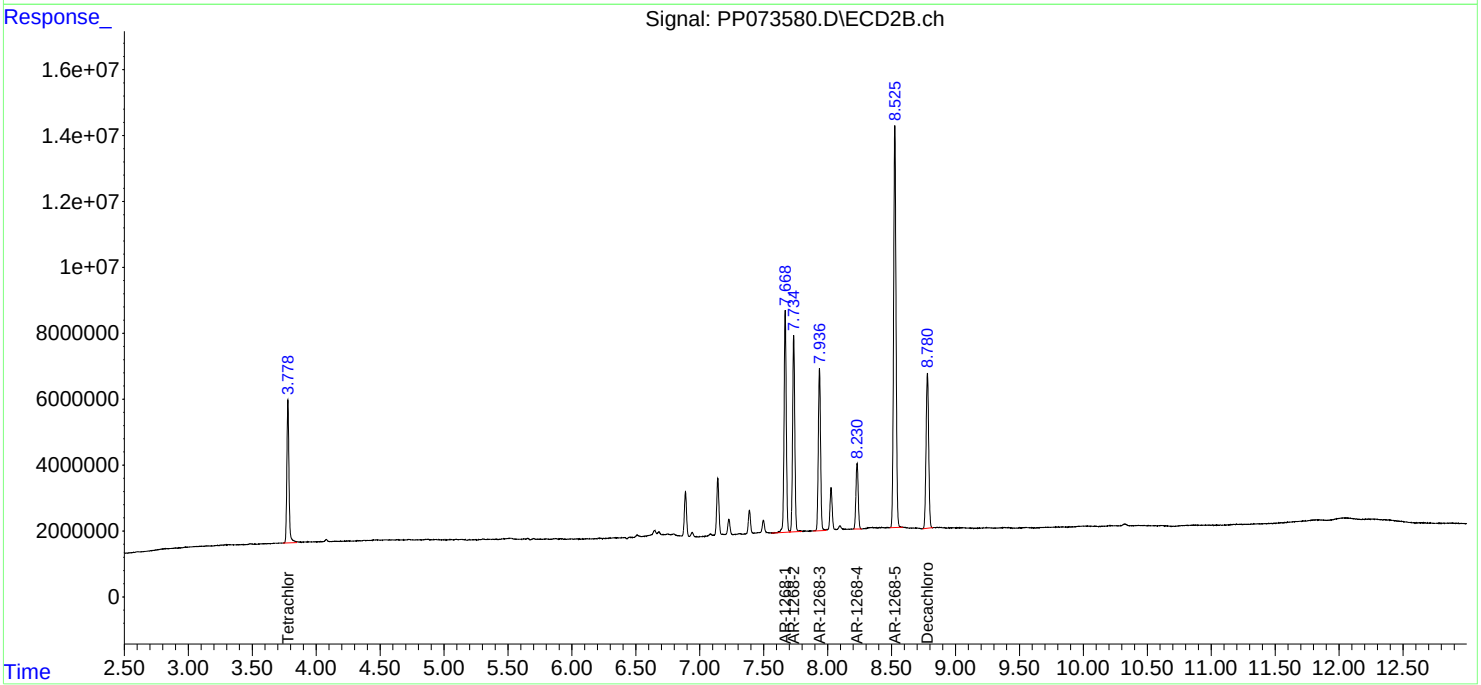
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:08
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

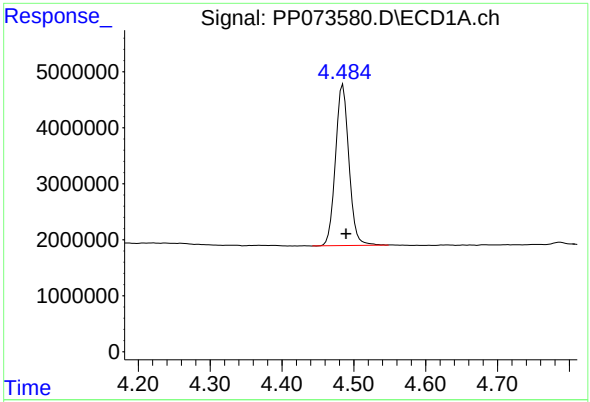
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

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



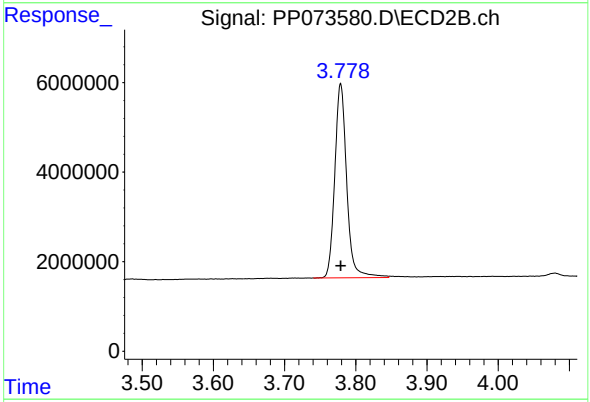




#1 Tetrachloro-m-xylene

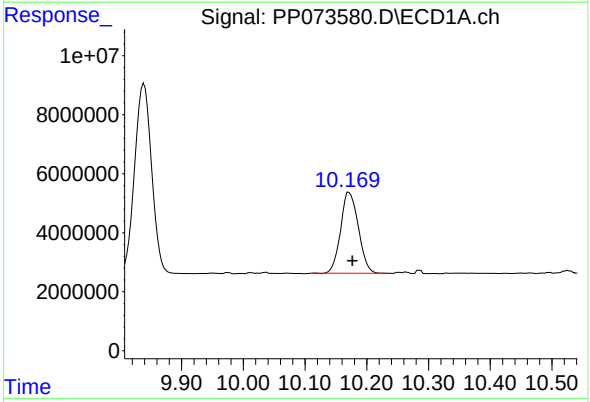
R.T.: 4.485 min
Delta R.T.: -0.004 min
Response: 37383725
Conc: 26.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



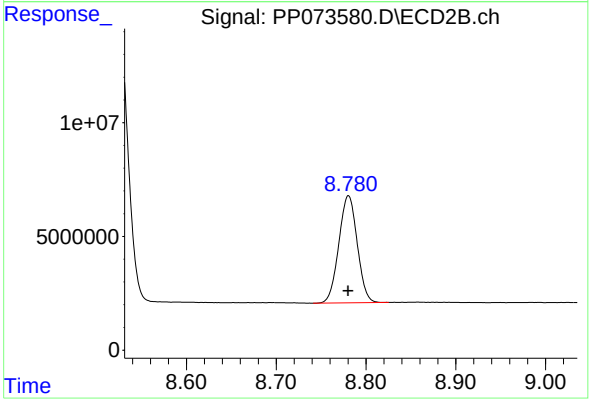
#1 Tetrachloro-m-xylene

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



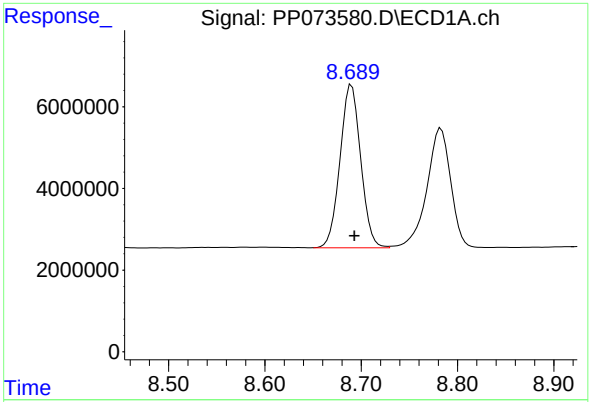
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

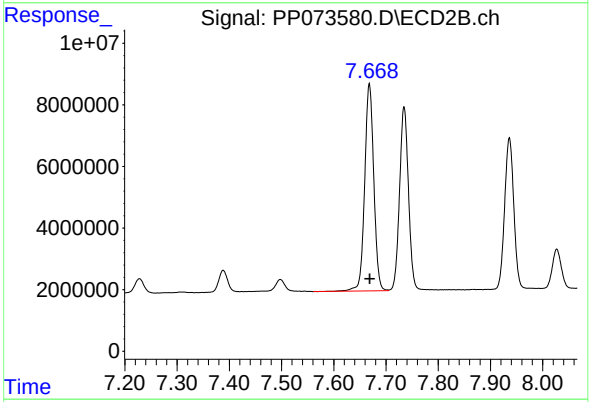
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 67087696
Conc: 26.46 ng/ml



#41 AR-1268-1

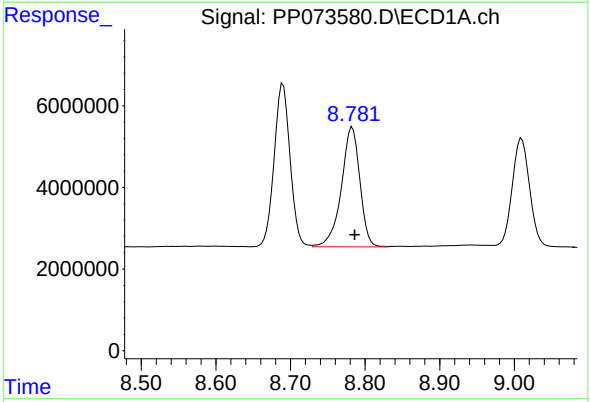
R.T.: 8.690 min
Delta R.T.: -0.003 min
Response: 59422367
Conc: 260.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



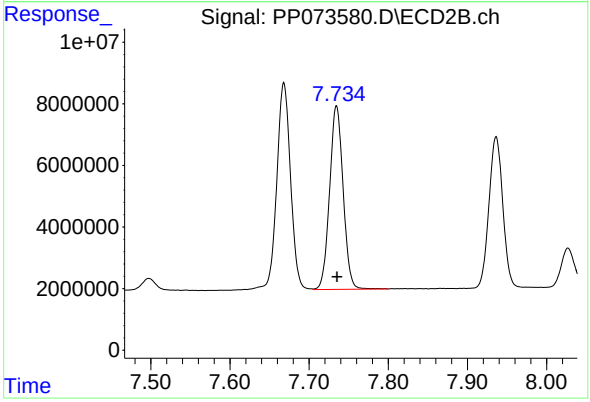
#41 AR-1268-1

R.T.: 7.668 min
Delta R.T.: 0.000 min
Response: 81364216
Conc: 264.35 ng/ml



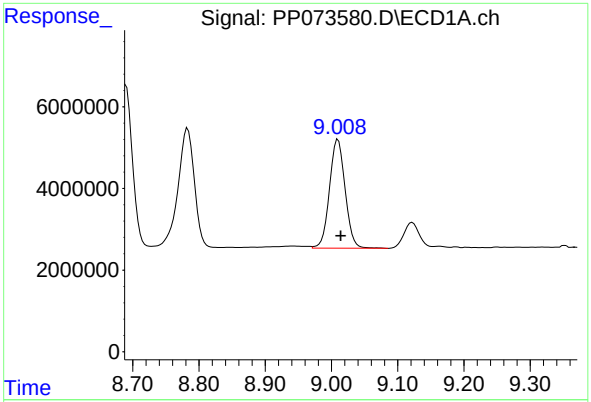
#42 AR-1268-2

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



#42 AR-1268-2

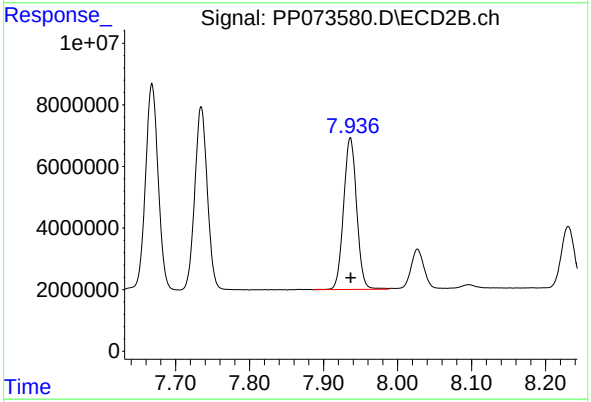
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 70740492
Conc: 264.38 ng/ml



#43 AR-1268-3

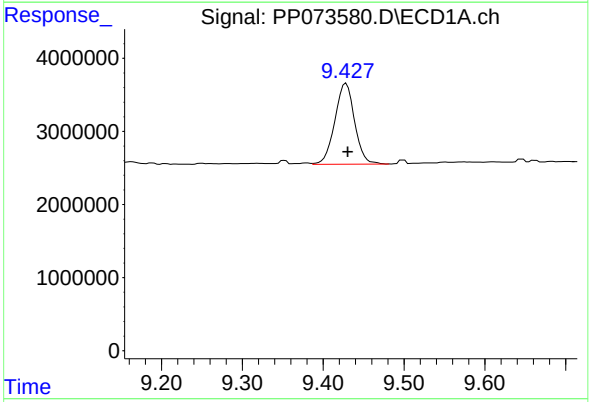
R.T.: 9.010 min
Delta R.T.: -0.004 min
Response: 43805027
Conc: 262.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



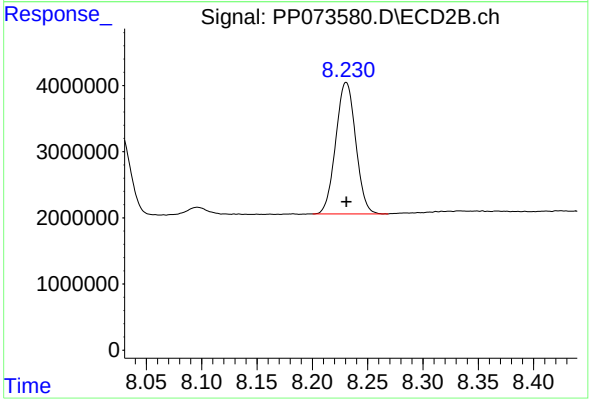
#43 AR-1268-3

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



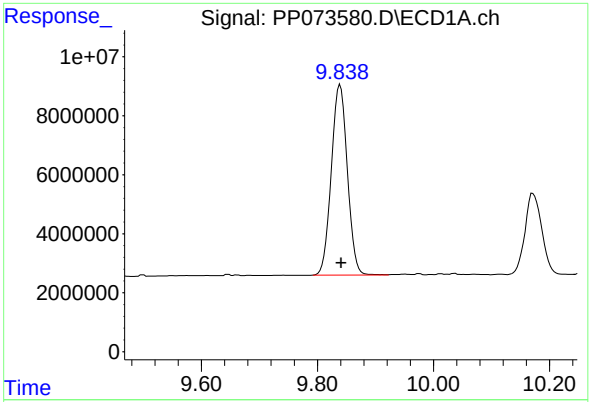
#44 AR-1268-4

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



#44 AR-1268-4

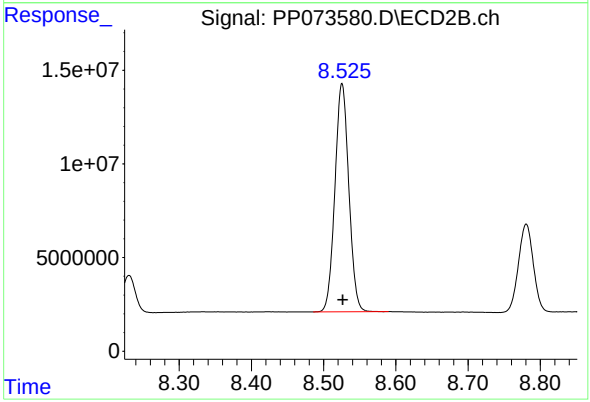
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 24970476
Conc: 262.24 ng/ml



#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 #

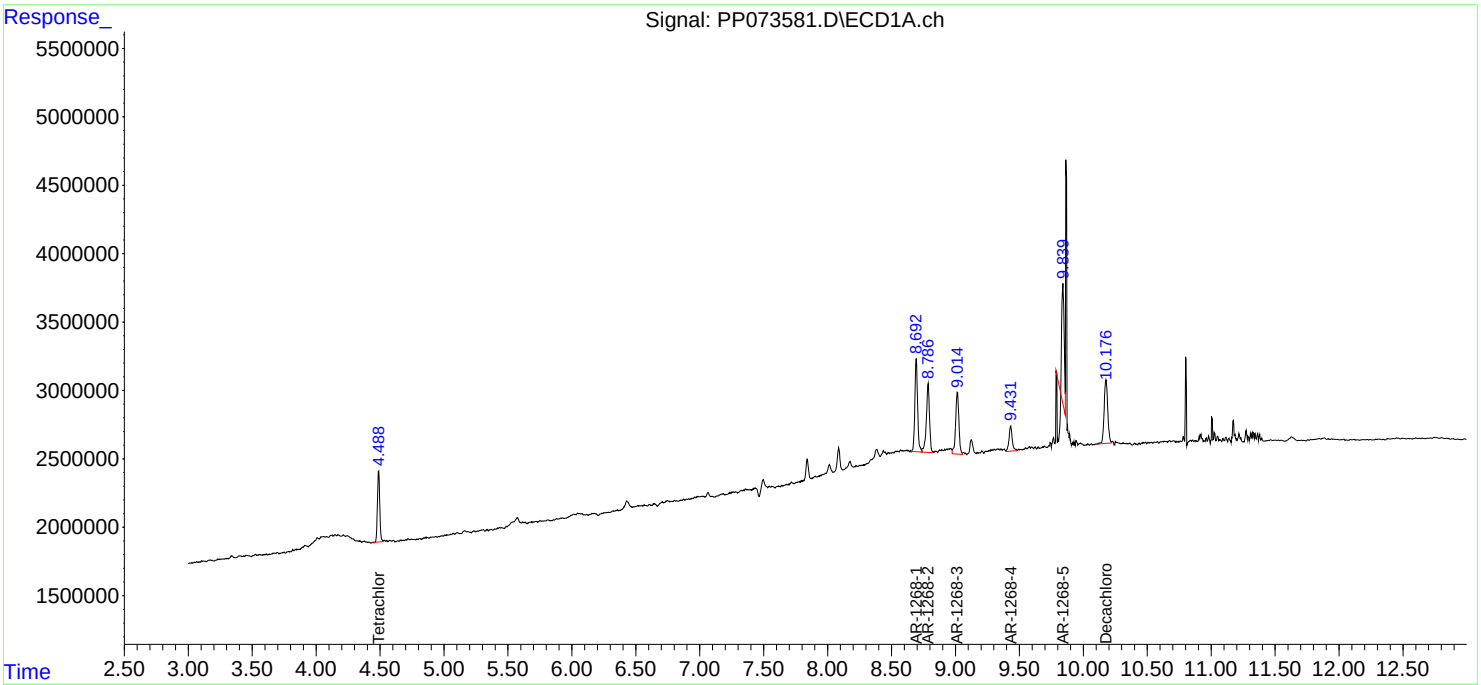
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

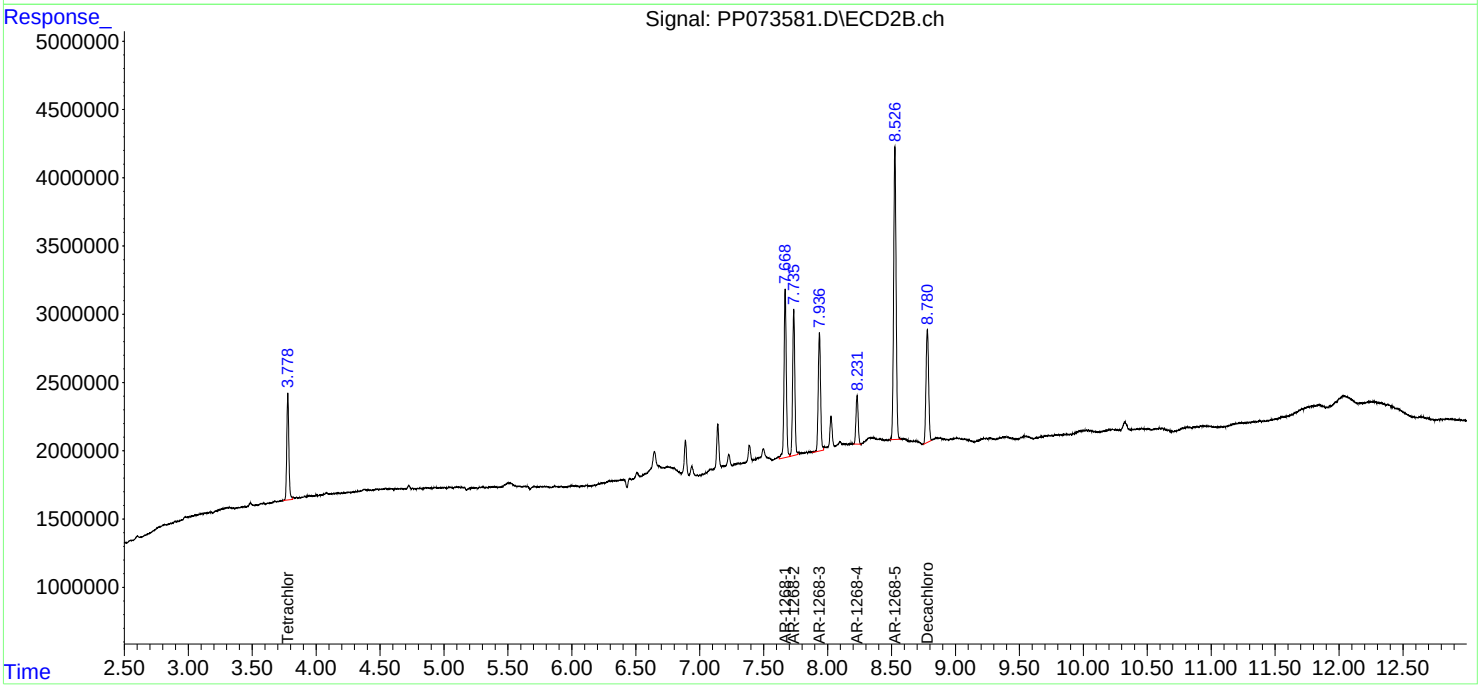
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:24
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

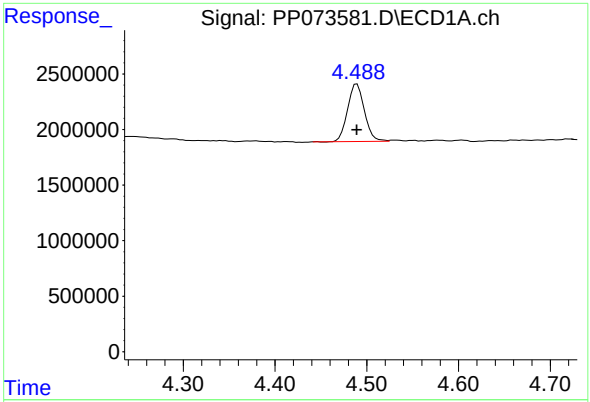
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

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



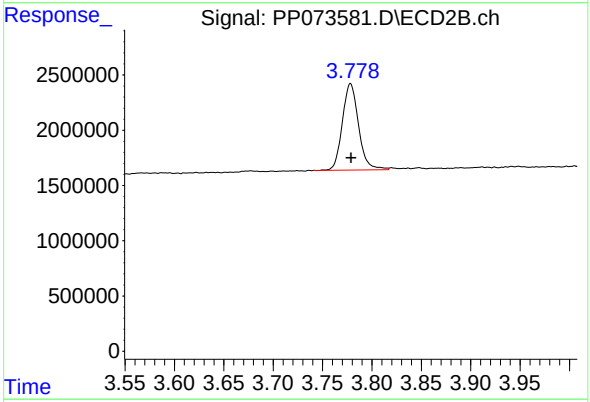




#1 Tetrachloro-m-xylene

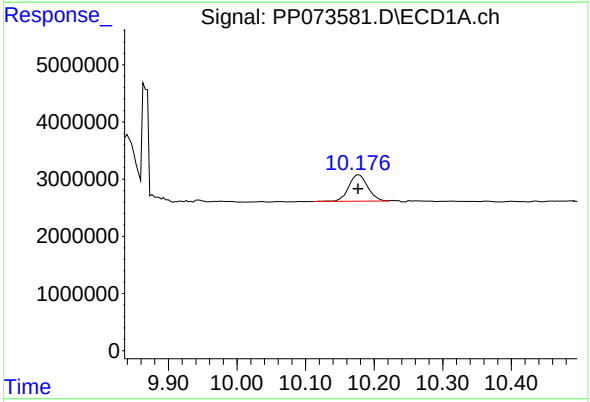
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 6570480
Conc: 4.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



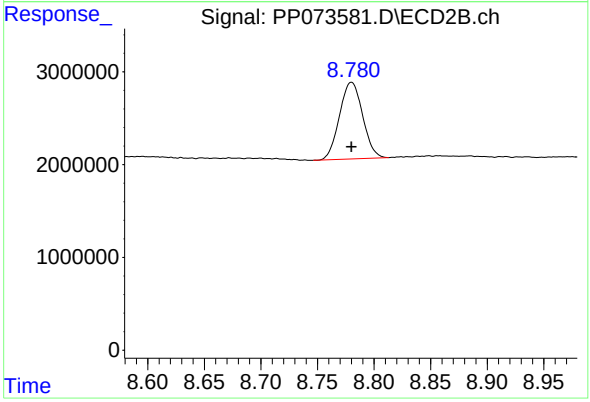
#1 Tetrachloro-m-xylene

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



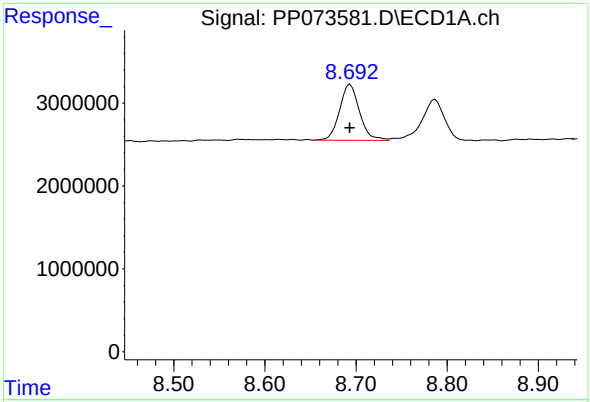
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

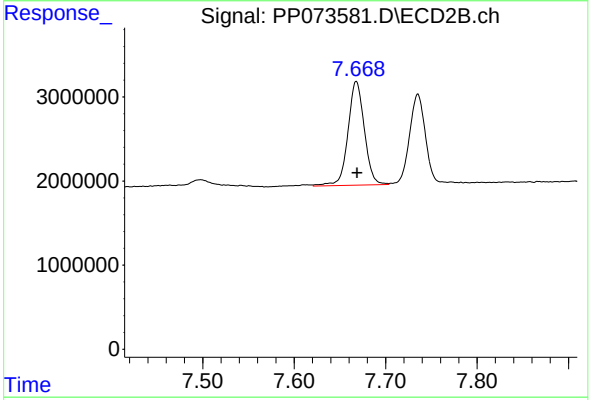
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 11778445
Conc: 4.63 ng/ml



#41 AR-1268-1

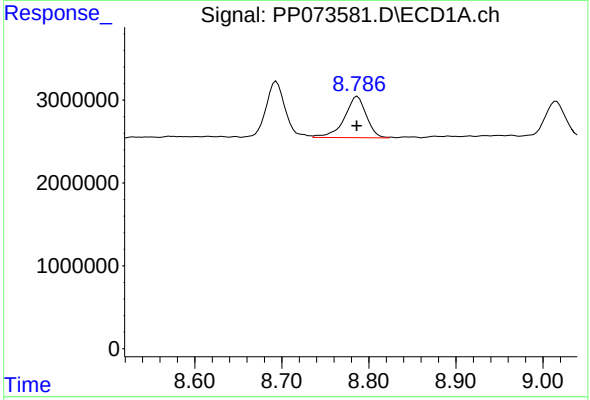
R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 10231981
Conc: 44.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



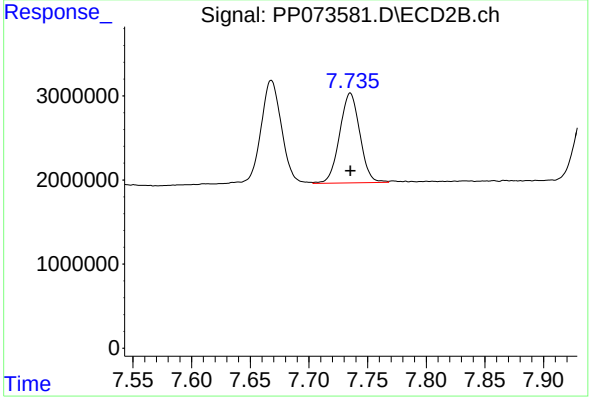
#41 AR-1268-1

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



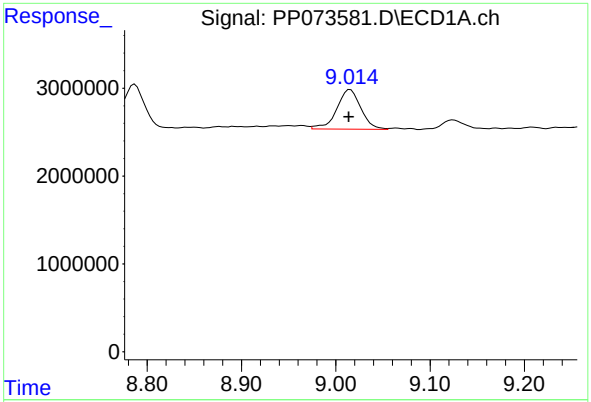
#42 AR-1268-2

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



#42 AR-1268-2

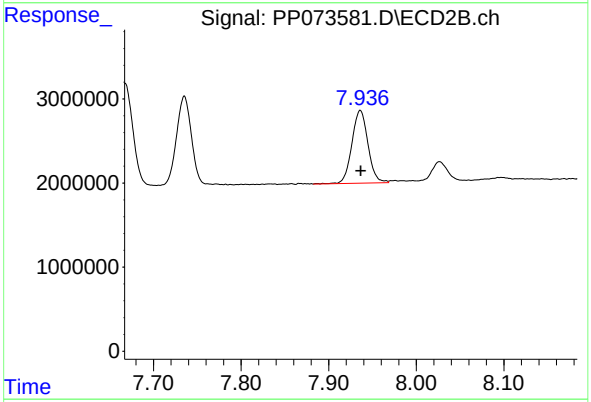
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 12801300
Conc: 47.75 ng/ml



#43 AR-1268-3

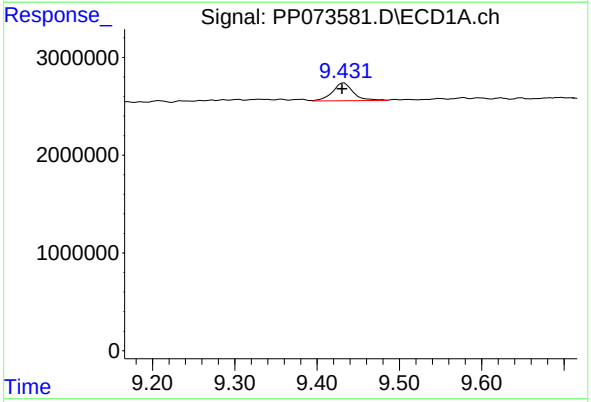
R.T.: 9.015 min
Delta R.T.: 0.002 min
Response: 8012537
Conc: 48.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



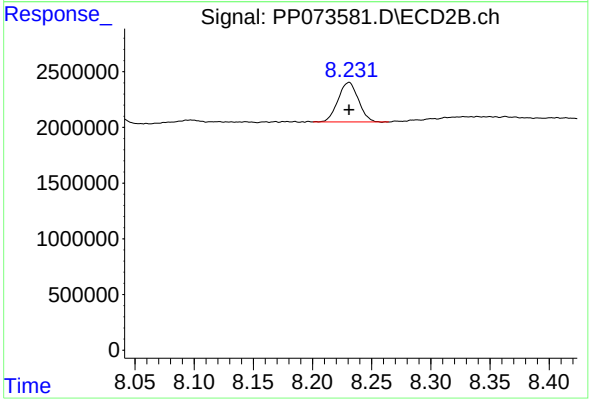
#43 AR-1268-3

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



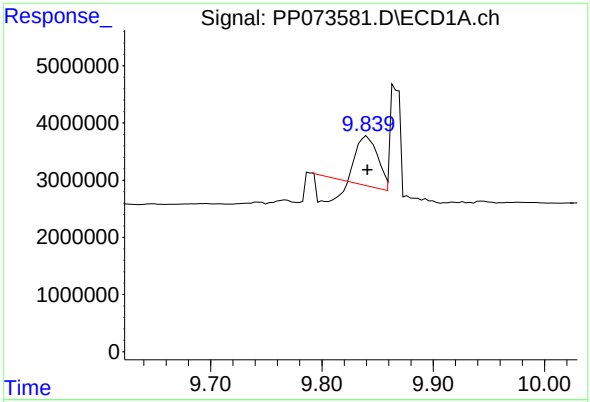
#44 AR-1268-4

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



#44 AR-1268-4

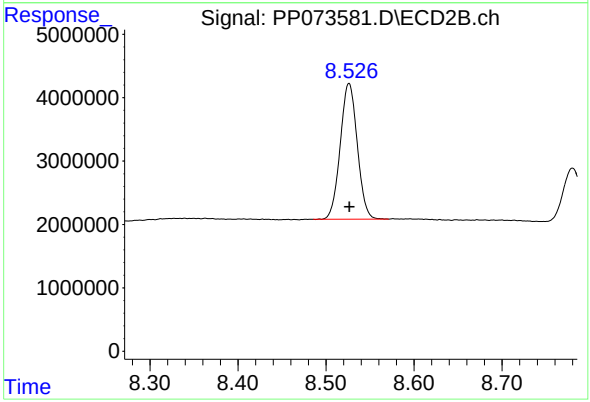
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 4250036
Conc: 44.76 ng/ml



#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\PP072125\
Data File : PP073984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:40
Operator : YP\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RT2286MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:50:37 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...	4.481	3.773	23650205	32913477	17.269	17.866	
2)	SA Decachlor...	10.168	8.770	19654459	26316757	18.014	19.889	
	Target Compounds							
3)	L1 AR-1016-1	5.633	4.849	18863800	29465448	397.019	432.205	
4)	L1 AR-1016-2	5.654	4.867	29837172	43500761	418.974	426.962	
5)	L1 AR-1016-3	5.716	5.043	18207530	24326097	417.001	449.598	
6)	L1 AR-1016-4	5.813	5.085	16224197	19663890	451.354	448.120	
7)	L1 AR-1016-5	6.107	5.298	17720270	24867794	565.593	455.600	
8)	L2 AR-1221-1	4.680	3.980	2047139	3518450	114.580	130.096	
9)	L2 AR-1221-2	4.769	4.068	2580436	4761204	191.080	233.847	
10)	L2 AR-1221-3	4.844	4.142	11299312	16319425	271.587	265.578	
11)	L3 AR-1232-1	4.844	4.142	11299312	16319425	346.066	350.094	
12)	L3 AR-1232-2	5.368	4.867	17207807	43500761	1058.637	912.735	
13)	L3 AR-1232-3	5.654	5.043	29837172	24326097	904.336	971.915	
14)	L3 AR-1232-4	5.813	5.127	16224197	22558031	986.564	1041.639	
15)	L3 AR-1232-5	5.904	5.298	11990321	24867794	1134.334	1102.127	
16)	L4 AR-1242-1	5.633	4.849	18863800	29465448	493.969	510.094	
17)	L4 AR-1242-2	5.654	4.867	29837172	43500761	498.266	503.165	
18)	L4 AR-1242-3	5.716	5.043	18207530	24326097	497.189	529.442	
19)	L4 AR-1242-4	5.813	5.127	16224197	22558031	504.860	509.633	
20)	L4 AR-1242-5	6.543	5.649	5443873	24531218	166.292	444.065	#
21)	L5 AR-1248-1	5.633	4.849	18863800	29465448	611.062	656.321	
22)	L5 AR-1248-2	5.904	5.085	11990321	19663890	300.334	319.548	
23)	L5 AR-1248-3	6.107	5.127	17720270	22558031	399.019	352.114	
24)	L5 AR-1248-4	6.480	5.298	18595954	24867794	337.614	329.910	
25)	L5 AR-1248-5	6.543	5.689	5443873	6016352	101.205	80.658	
26)	L6 AR-1254-1	6.480	5.649	18595954	24531218	347.007	211.421	#
27)	L6 AR-1254-2	6.695	5.796	17350776	23885552	208.320	237.375	
28)	L6 AR-1254-3	7.060	6.212	10719877	44314410	121.359	286.924	#
29)	L6 AR-1254-4	7.341	6.425	8914494	6462960	113.319	68.348	#
30)	L6 AR-1254-5	7.756	6.842	53170622	71346544	721.644	534.652	#
31)	L7 AR-1260-1	7.222	6.328	34694505	55075376	588.429	564.527	
32)	L7 AR-1260-2	7.476	6.517	49718794	66621540	518.769	542.355	
33)	L7 AR-1260-3	7.834	6.668	37706644	60304176	516.030	550.905	
34)	L7 AR-1260-4	8.058	7.137	36868595	47082456	564.604	526.600	
35)	L7 AR-1260-5	8.375	7.380	80346257	117.2E6	532.614	521.396	
36)	L8 AR-1262-1	8.058	6.879	36868595	52862605	423.644	357.925	
37)	L8 AR-1262-2	8.375	7.137	80346257	47082456	405.733	368.324	
38)	L8 AR-1262-3	8.697	7.659	47764045	26973034	379.909	236.566	#
39)	L8 AR-1262-4	8.758	7.724	28415445	77752202	304.682	422.454	#
40)	L8 AR-1262-5	9.422	8.222	19854543	25455071	313.216	301.473	
41)	L9 AR-1268-1	8.697	7.659	47764045	26973034	213.974	87.752	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:40
Operator : YP\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RT2286MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:50:37 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	8.758	7.724	28415445	77752202	149.158	292.645	#
43)	L9 AR-1268-3	9.006	7.927	1539585	2942539	9.298	13.044	#
44)	L9 AR-1268-4	9.422	8.222	19854543	25455071	285.497	273.805	
45)	L9 AR-1268-5	9.833	8.516	5638616	8000594	12.232	12.976	

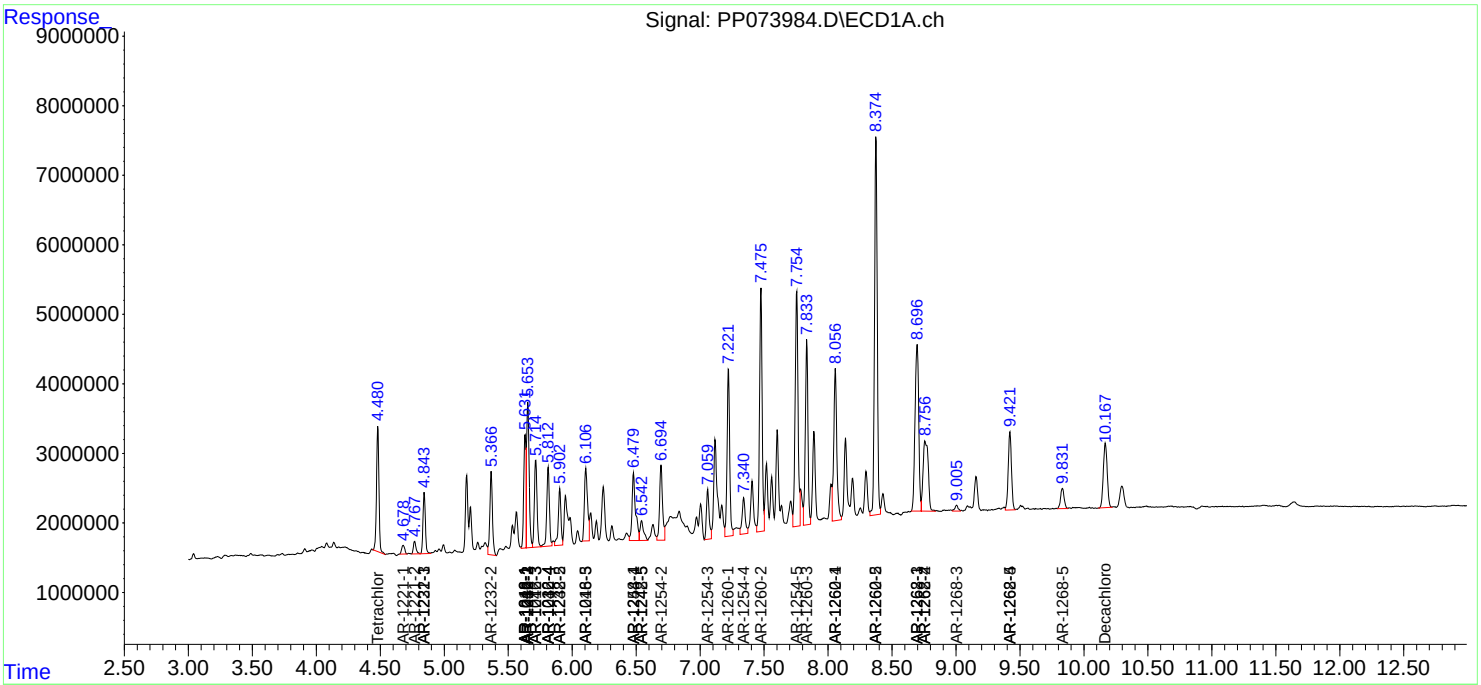
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

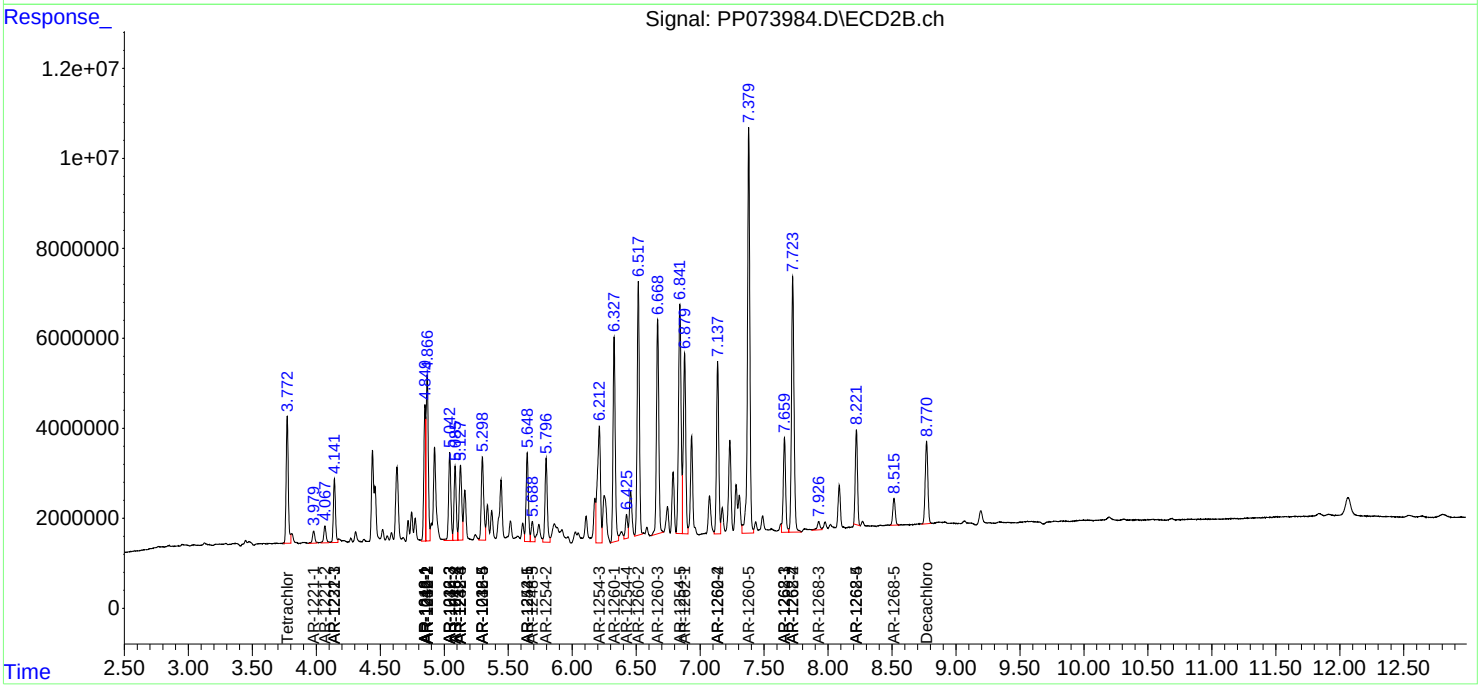
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:40
Operator : YP\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

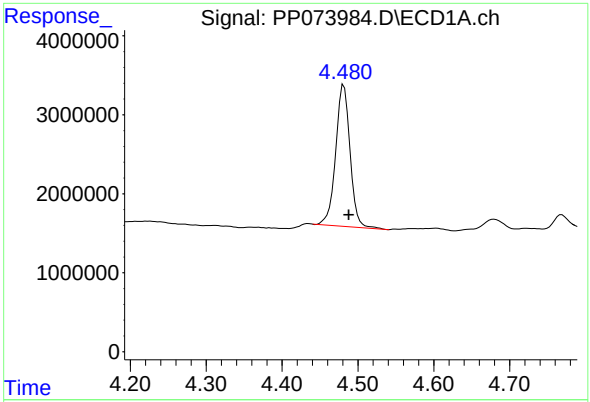
Instrument :
ECD_P
ClientSampleId :
RT2286MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:50:37 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



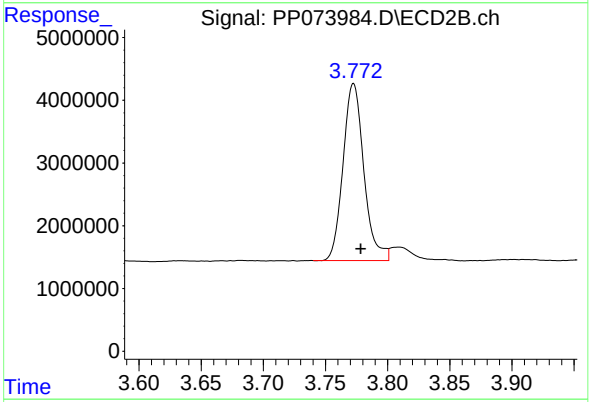




#1 Tetrachloro-m-xylene

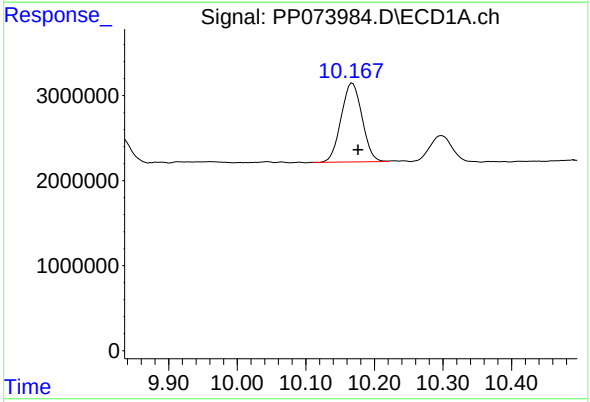
R.T.: 4.481 min
Delta R.T.: -0.007 min
Response: 23650205
Conc: 17.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



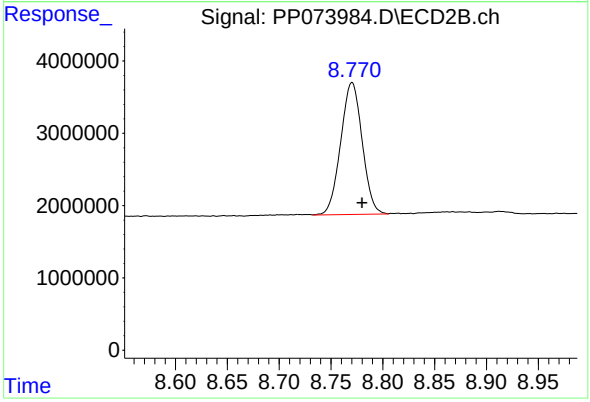
#1 Tetrachloro-m-xylene

R.T.: 3.773 min
Delta R.T.: -0.006 min
Response: 32913477
Conc: 17.87 ng/ml



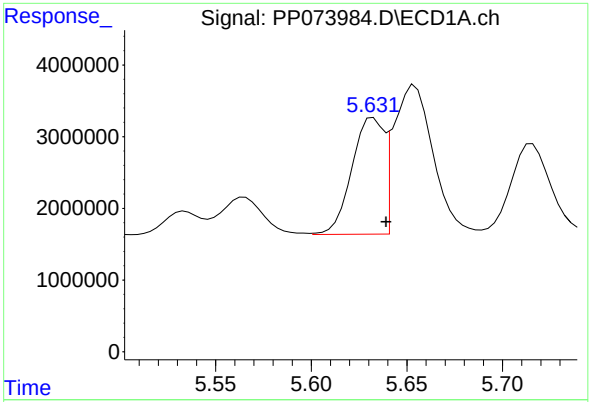
#2 Decachlorobiphenyl

R.T.: 10.168 min
Delta R.T.: -0.008 min
Response: 19654459
Conc: 18.01 ng/ml



#2 Decachlorobiphenyl

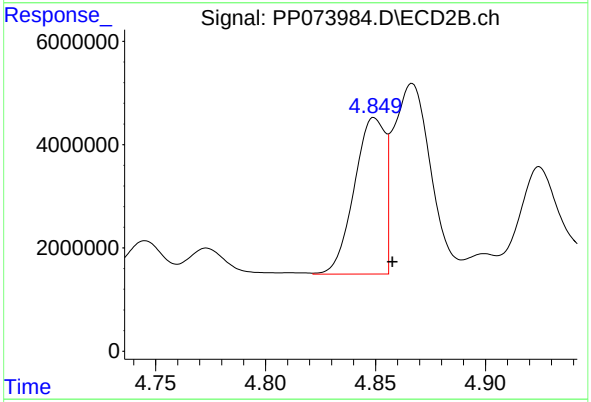
R.T.: 8.770 min
Delta R.T.: -0.010 min
Response: 26316757
Conc: 19.89 ng/ml



#3 AR-1016-1

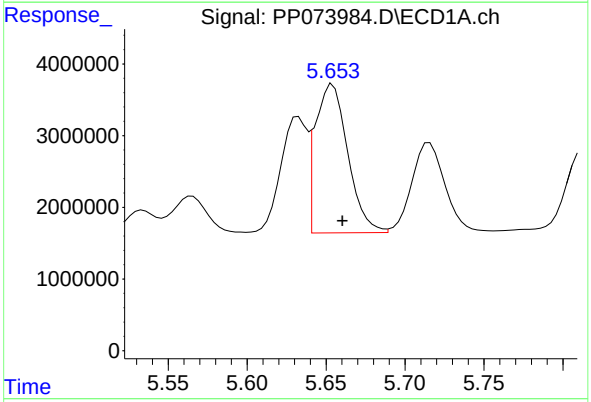
R.T.: 5.633 min
Delta R.T.: -0.006 min
Response: 18863800
Conc: 397.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



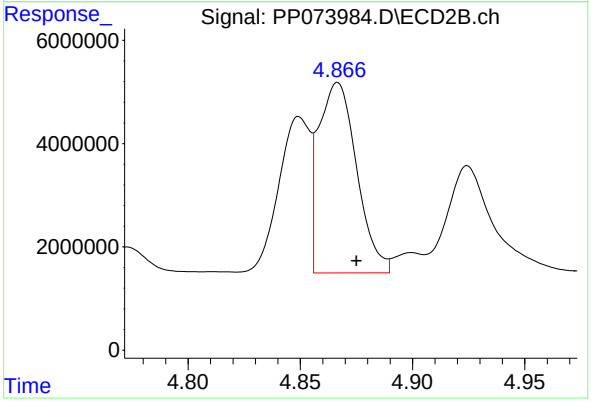
#3 AR-1016-1

R.T.: 4.849 min
Delta R.T.: -0.008 min
Response: 29465448
Conc: 432.20 ng/ml



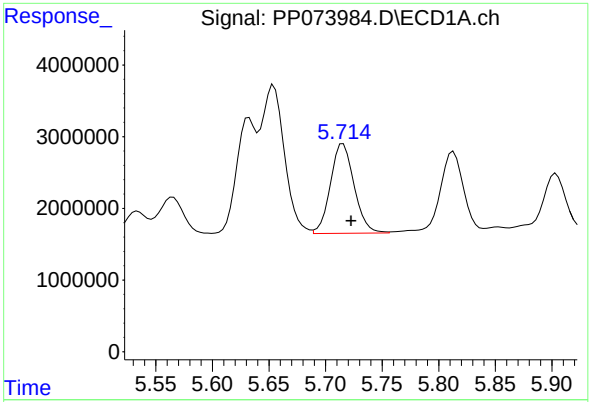
#4 AR-1016-2

R.T.: 5.654 min
Delta R.T.: -0.006 min
Response: 29837172
Conc: 418.97 ng/ml



#4 AR-1016-2

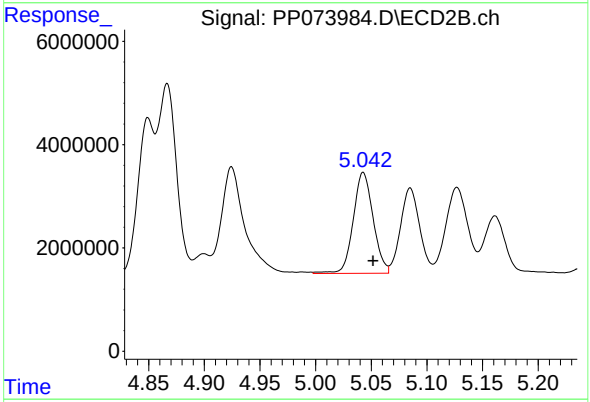
R.T.: 4.867 min
Delta R.T.: -0.008 min
Response: 43500761
Conc: 426.96 ng/ml



#5 AR-1016-3

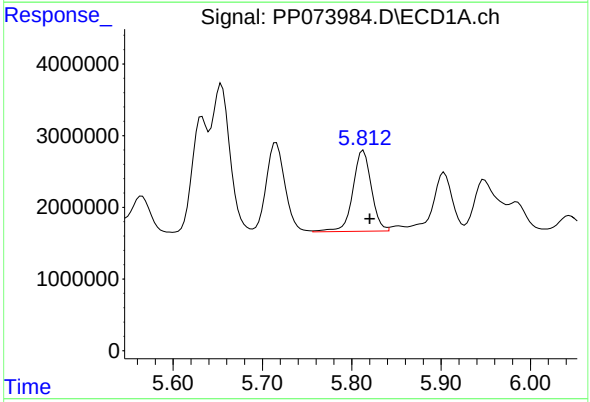
R.T.: 5.716 min
Delta R.T.: -0.007 min
Response: 18207530
Conc: 417.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



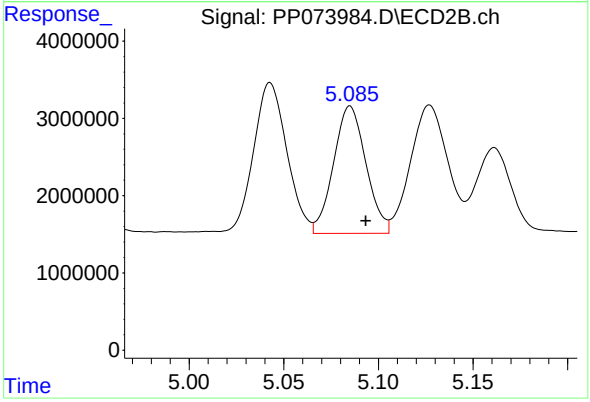
#5 AR-1016-3

R.T.: 5.043 min
Delta R.T.: -0.009 min
Response: 24326097
Conc: 449.60 ng/ml



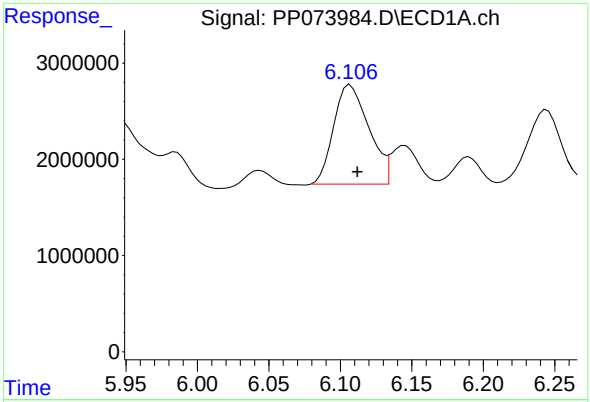
#6 AR-1016-4

R.T.: 5.813 min
Delta R.T.: -0.007 min
Response: 16224197
Conc: 451.35 ng/ml



#6 AR-1016-4

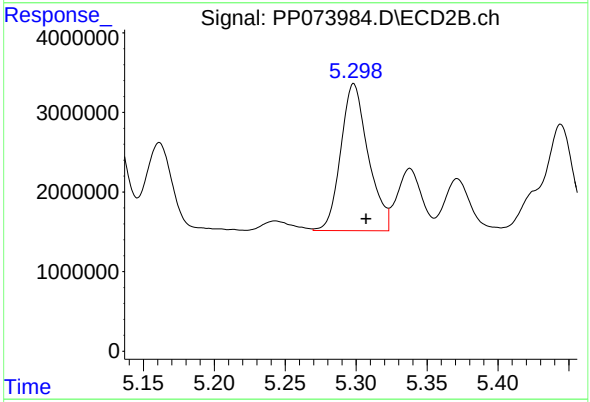
R.T.: 5.085 min
Delta R.T.: -0.008 min
Response: 19663890
Conc: 448.12 ng/ml



#7 AR-1016-5

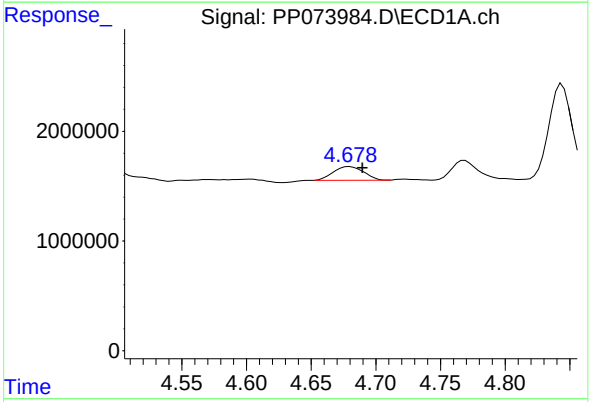
R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 17720270
Conc: 565.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



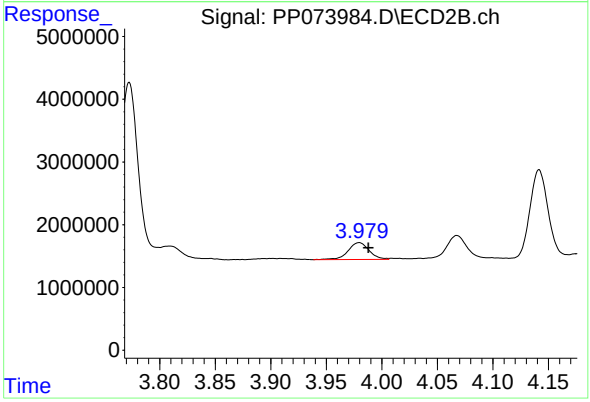
#7 AR-1016-5

R.T.: 5.298 min
Delta R.T.: -0.009 min
Response: 24867794
Conc: 455.60 ng/ml



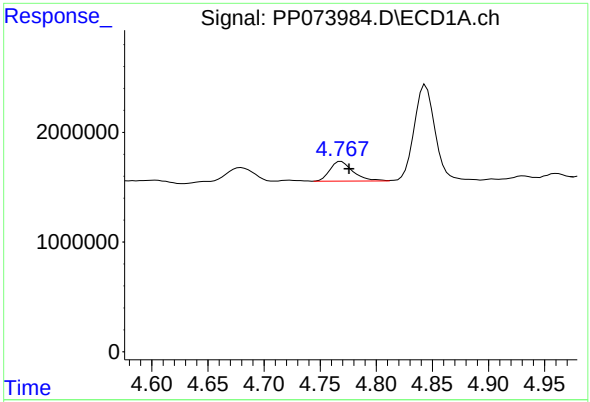
#8 AR-1221-1

R.T.: 4.680 min
Delta R.T.: -0.010 min
Response: 2047139
Conc: 114.58 ng/ml



#8 AR-1221-1

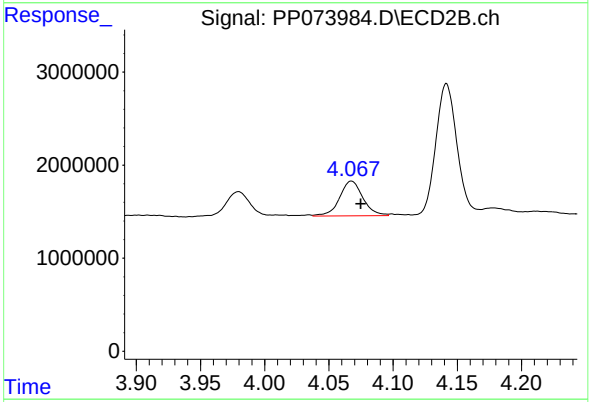
R.T.: 3.980 min
Delta R.T.: -0.008 min
Response: 3518450
Conc: 130.10 ng/ml



#9 AR-1221-2

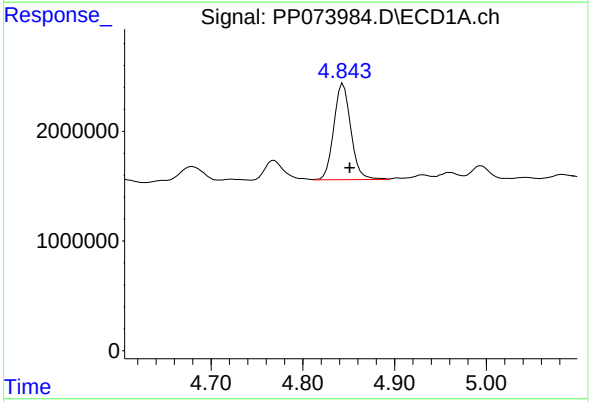
R.T.: 4.769 min
Delta R.T.: -0.007 min
Response: 2580436
Conc: 191.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



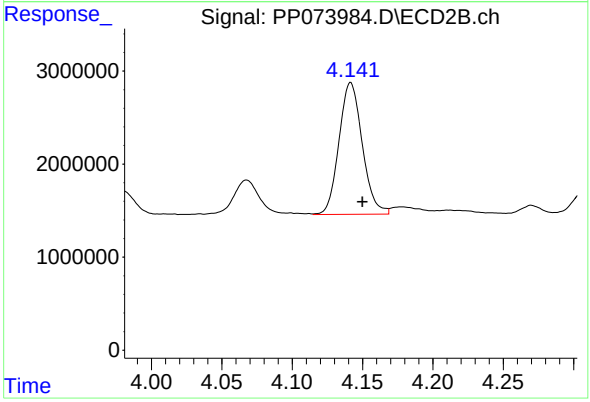
#9 AR-1221-2

R.T.: 4.068 min
Delta R.T.: -0.007 min
Response: 4761204
Conc: 233.85 ng/ml



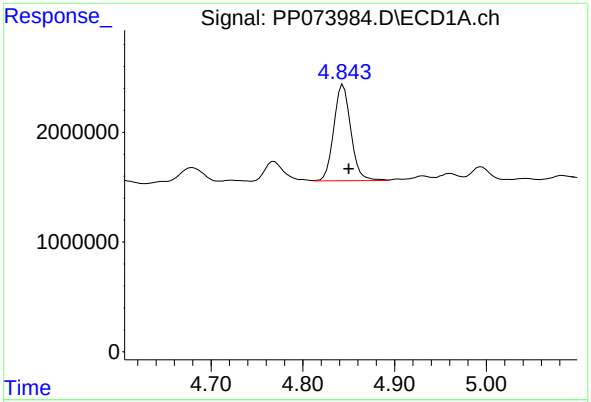
#10 AR-1221-3

R.T.: 4.844 min
Delta R.T.: -0.007 min
Response: 11299312
Conc: 271.59 ng/ml



#10 AR-1221-3

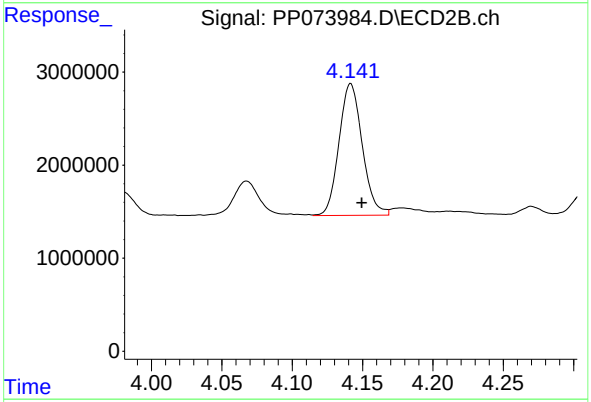
R.T.: 4.142 min
Delta R.T.: -0.008 min
Response: 16319425
Conc: 265.58 ng/ml



#11 AR-1232-1

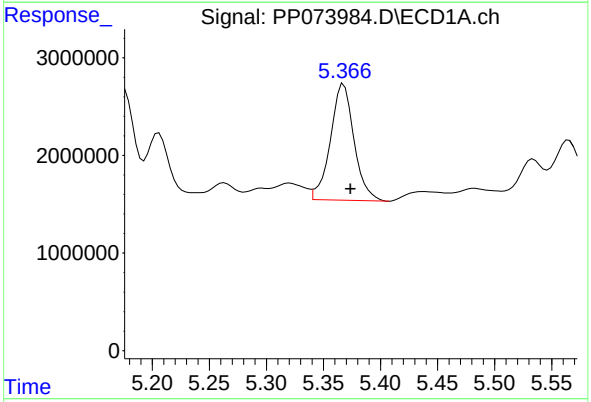
R.T.: 4.844 min
Delta R.T.: -0.006 min
Response: 11299312
Conc: 346.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



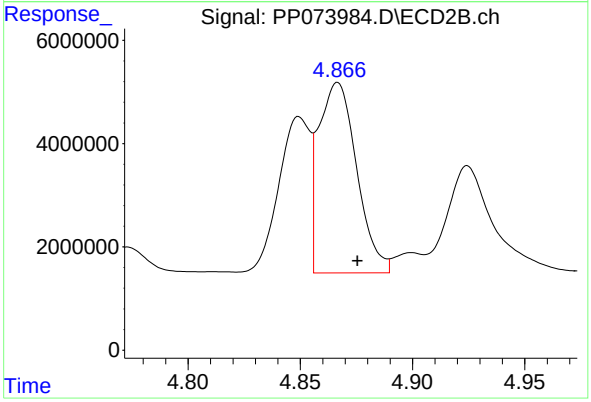
#11 AR-1232-1

R.T.: 4.142 min
Delta R.T.: -0.008 min
Response: 16319425
Conc: 350.09 ng/ml



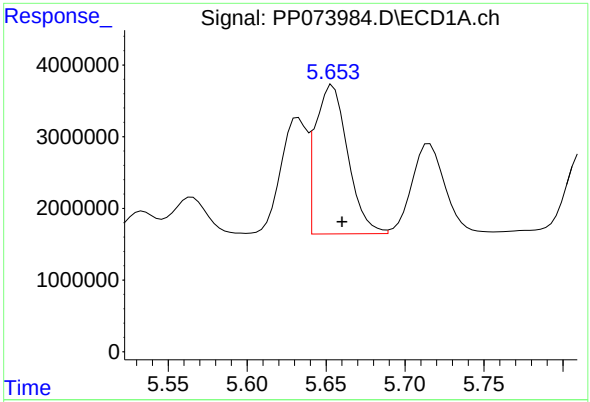
#12 AR-1232-2

R.T.: 5.368 min
Delta R.T.: -0.006 min
Response: 17207807
Conc: 1058.64 ng/ml



#12 AR-1232-2

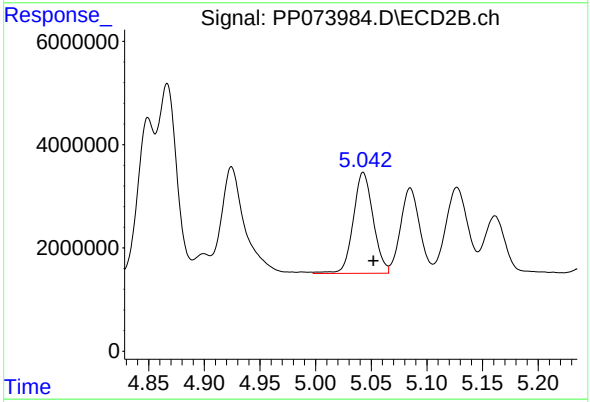
R.T.: 4.867 min
Delta R.T.: -0.009 min
Response: 43500761
Conc: 912.73 ng/ml



#13 AR-1232-3

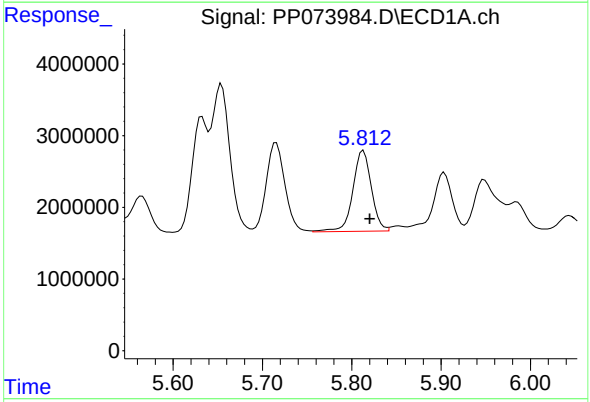
R.T.: 5.654 min
Delta R.T.: -0.006 min
Response: 29837172
Conc: 904.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



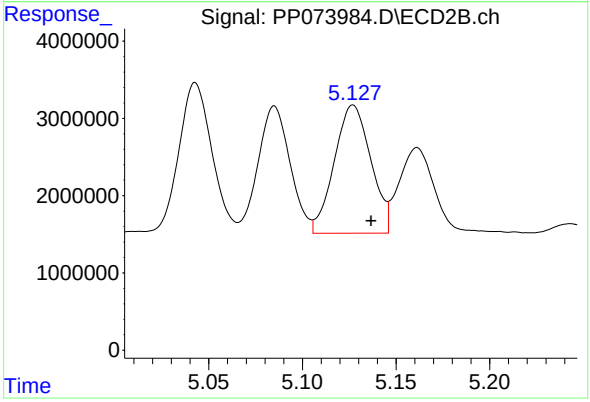
#13 AR-1232-3

R.T.: 5.043 min
Delta R.T.: -0.009 min
Response: 24326097
Conc: 971.92 ng/ml



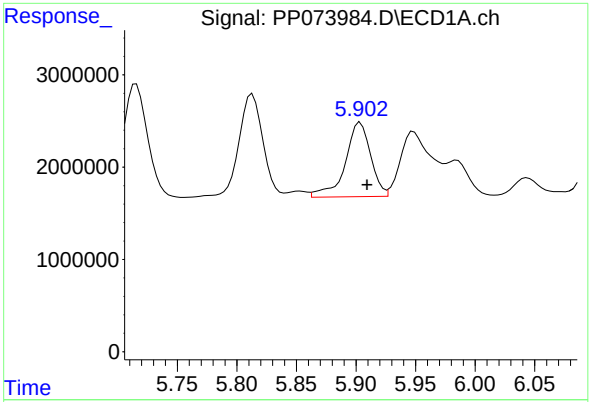
#14 AR-1232-4

R.T.: 5.813 min
Delta R.T.: -0.007 min
Response: 16224197
Conc: 986.56 ng/ml



#14 AR-1232-4

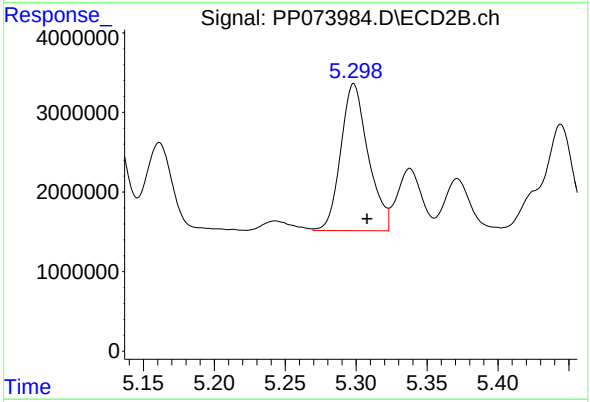
R.T.: 5.127 min
Delta R.T.: -0.010 min
Response: 22558031
Conc: 1041.64 ng/ml



#15 AR-1232-5

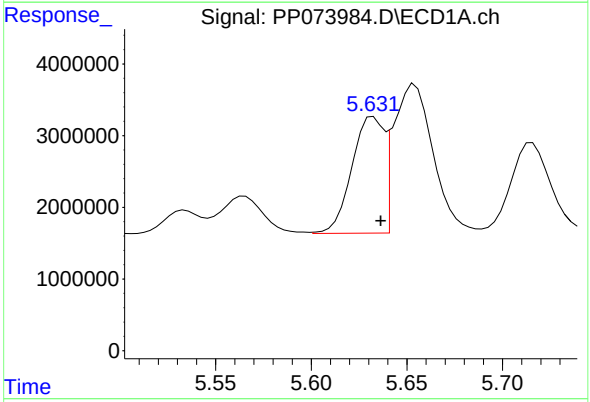
R.T.: 5.904 min
Delta R.T.: -0.006 min
Response: 11990321
Conc: 1134.33 ng/m

Instrument :
ECD_P
ClientSampleId :
RT2286MS



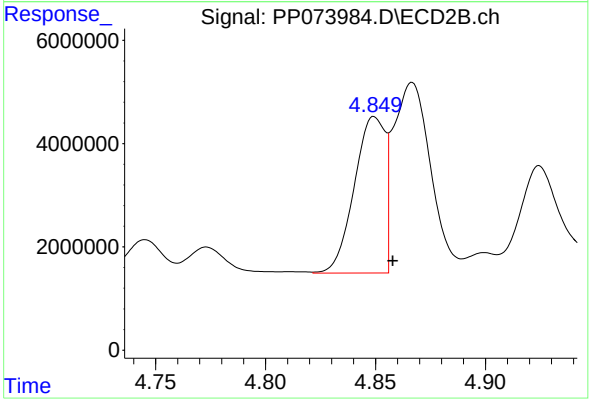
#15 AR-1232-5

R.T.: 5.298 min
Delta R.T.: -0.009 min
Response: 24867794
Conc: 1102.13 ng/ml



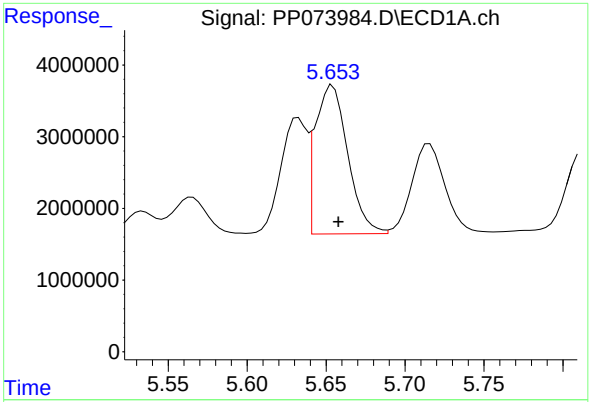
#16 AR-1242-1

R.T.: 5.633 min
Delta R.T.: -0.004 min
Response: 18863800
Conc: 493.97 ng/ml



#16 AR-1242-1

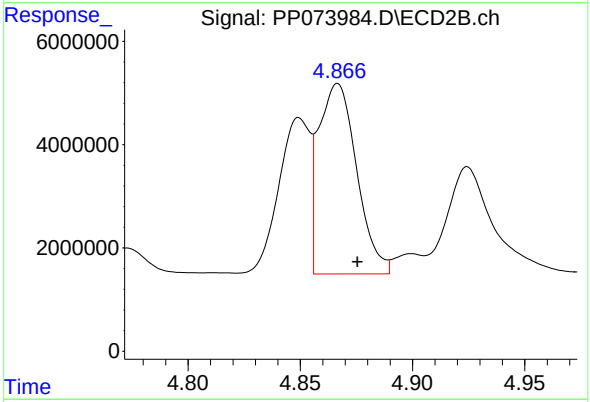
R.T.: 4.849 min
Delta R.T.: -0.008 min
Response: 29465448
Conc: 510.09 ng/ml



#17 AR-1242-2

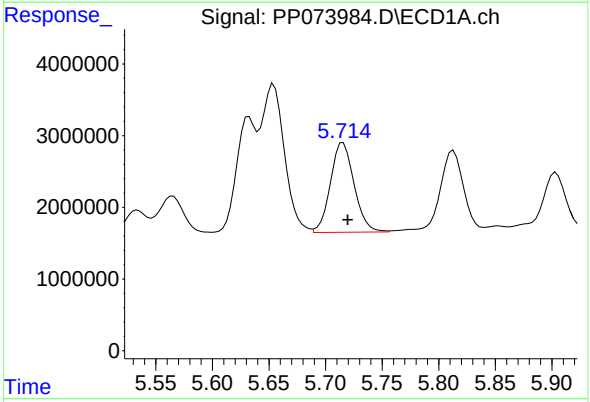
R.T.: 5.654 min
Delta R.T.: -0.003 min
Response: 29837172
Conc: 498.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



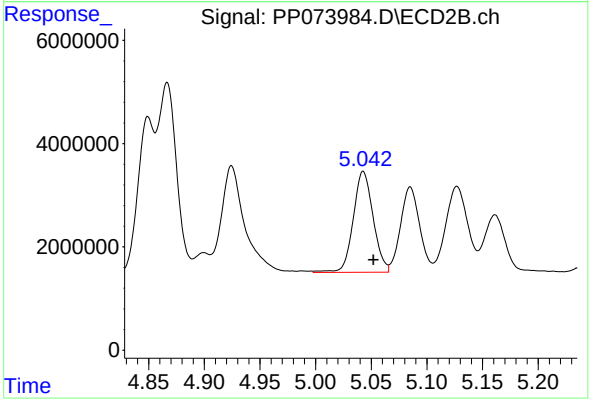
#17 AR-1242-2

R.T.: 4.867 min
Delta R.T.: -0.009 min
Response: 43500761
Conc: 503.17 ng/ml



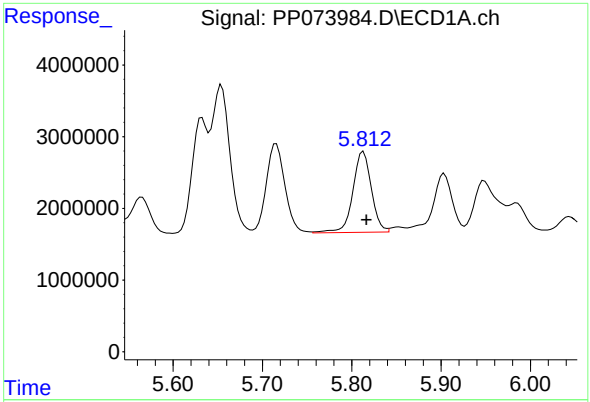
#18 AR-1242-3

R.T.: 5.716 min
Delta R.T.: -0.004 min
Response: 18207530
Conc: 497.19 ng/ml



#18 AR-1242-3

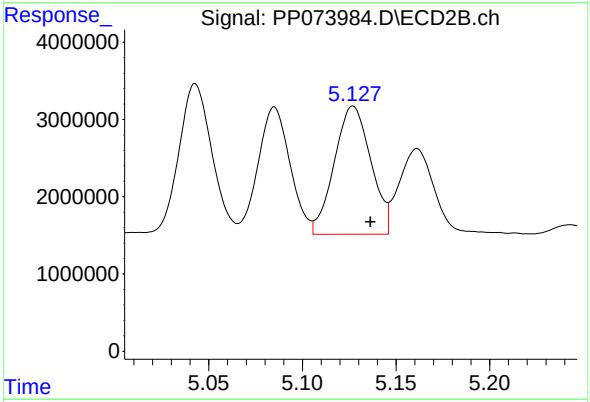
R.T.: 5.043 min
Delta R.T.: -0.009 min
Response: 24326097
Conc: 529.44 ng/ml



#19 AR-1242-4

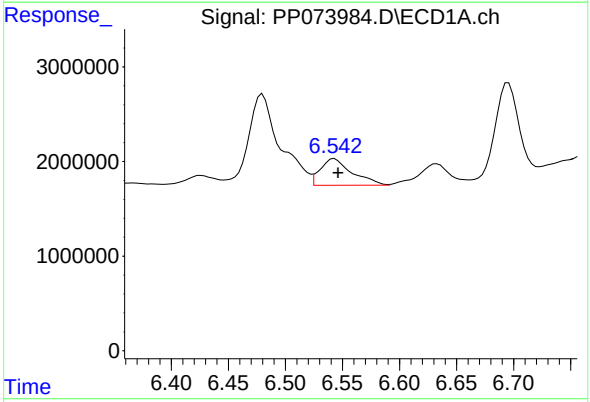
R.T.: 5.813 min
Delta R.T.: -0.004 min
Response: 16224197
Conc: 504.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



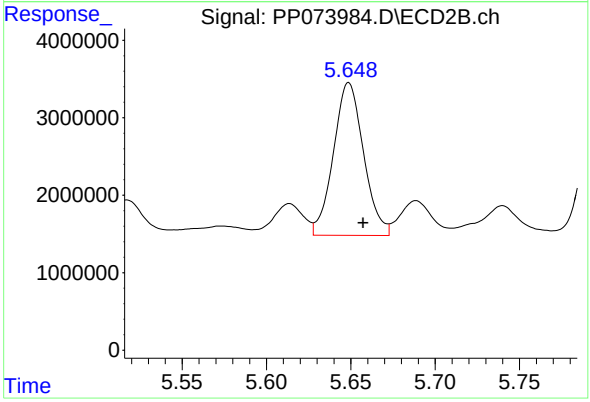
#19 AR-1242-4

R.T.: 5.127 min
Delta R.T.: -0.009 min
Response: 22558031
Conc: 509.63 ng/ml



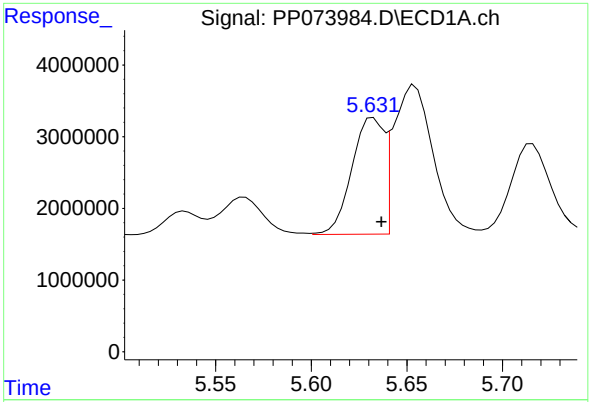
#20 AR-1242-5

R.T.: 6.543 min
Delta R.T.: -0.003 min
Response: 5443873
Conc: 166.29 ng/ml



#20 AR-1242-5

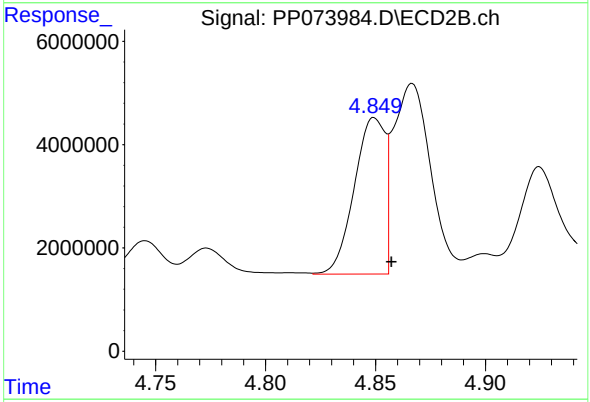
R.T.: 5.649 min
Delta R.T.: -0.008 min
Response: 24531218
Conc: 444.06 ng/ml



#21 AR-1248-1

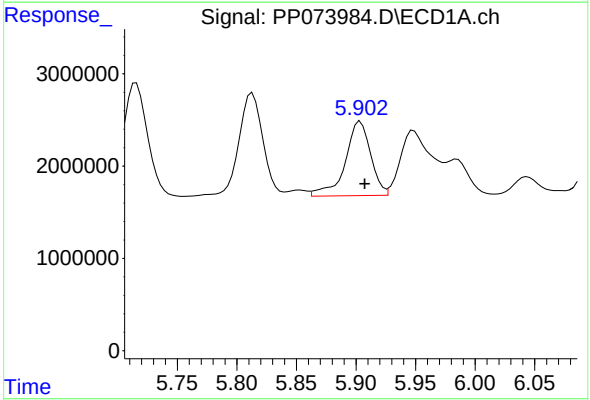
R.T.: 5.633 min
Delta R.T.: -0.004 min
Response: 18863800
Conc: 611.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



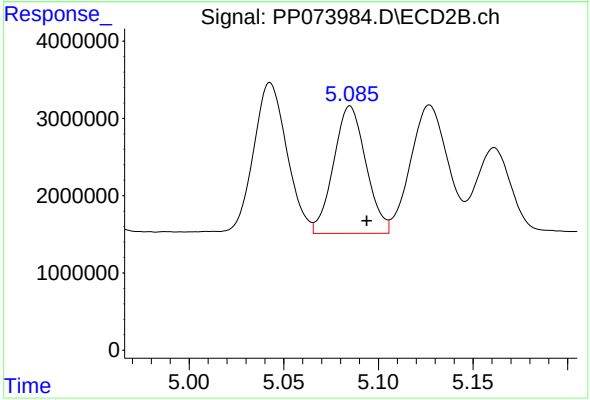
#21 AR-1248-1

R.T.: 4.849 min
Delta R.T.: -0.008 min
Response: 29465448
Conc: 656.32 ng/ml



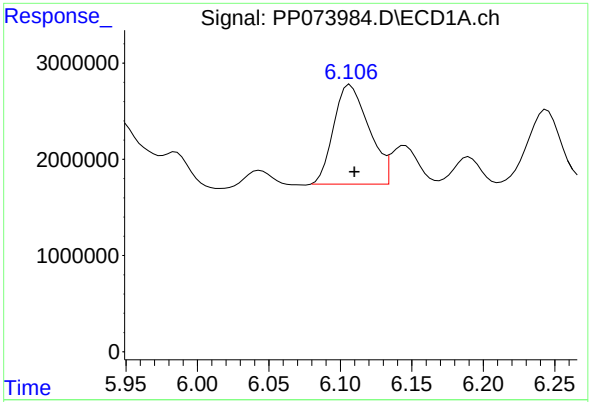
#22 AR-1248-2

R.T.: 5.904 min
Delta R.T.: -0.004 min
Response: 11990321
Conc: 300.33 ng/ml



#22 AR-1248-2

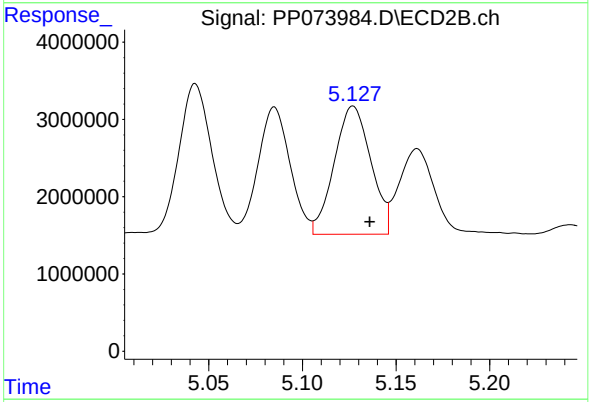
R.T.: 5.085 min
Delta R.T.: -0.009 min
Response: 19663890
Conc: 319.55 ng/ml



#23 AR-1248-3

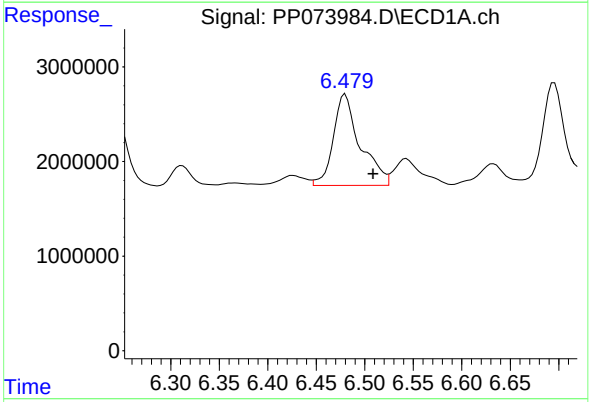
R.T.: 6.107 min
Delta R.T.: -0.003 min
Response: 17720270
Conc: 399.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



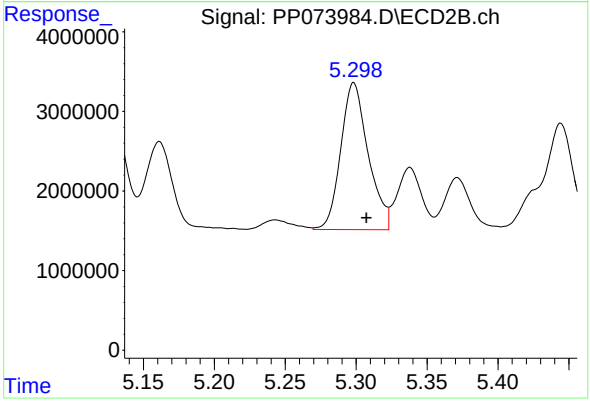
#23 AR-1248-3

R.T.: 5.127 min
Delta R.T.: -0.009 min
Response: 22558031
Conc: 352.11 ng/ml



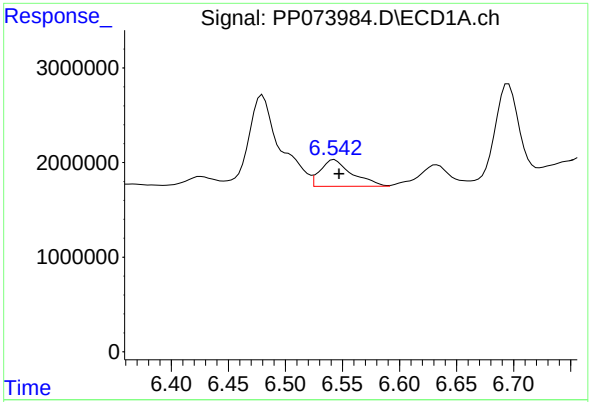
#24 AR-1248-4

R.T.: 6.480 min
Delta R.T.: -0.029 min
Response: 18595954
Conc: 337.61 ng/ml



#24 AR-1248-4

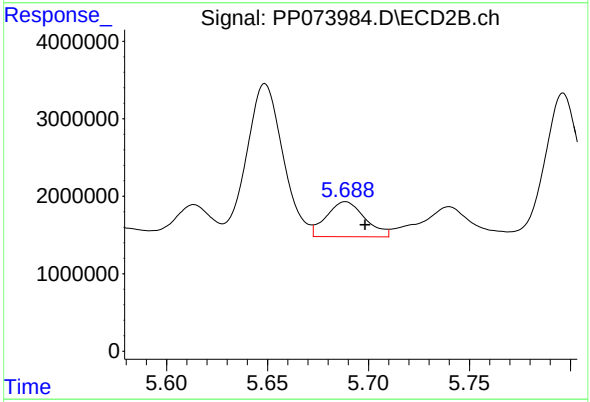
R.T.: 5.298 min
Delta R.T.: -0.009 min
Response: 24867794
Conc: 329.91 ng/ml



#25 AR-1248-5

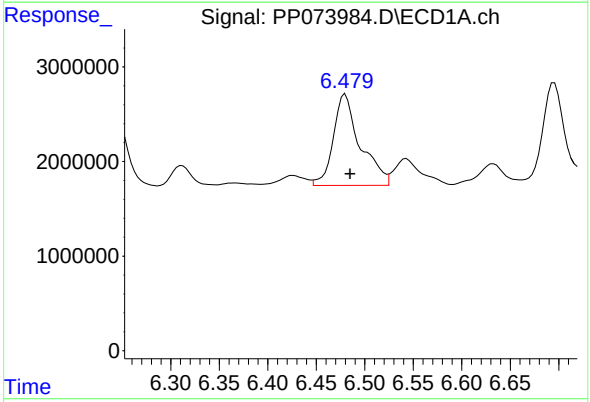
R.T.: 6.543 min
Delta R.T.: -0.004 min
Response: 5443873
Conc: 101.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



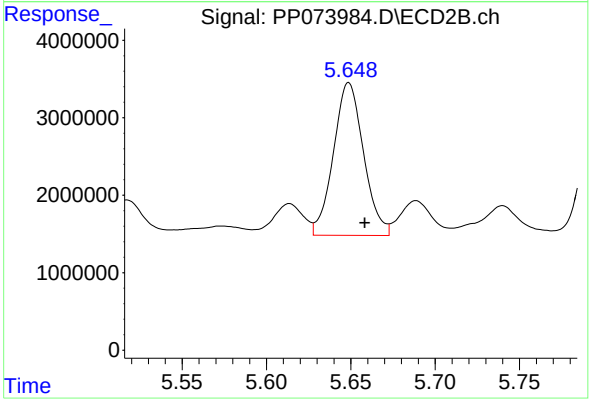
#25 AR-1248-5

R.T.: 5.689 min
Delta R.T.: -0.010 min
Response: 6016352
Conc: 80.66 ng/ml



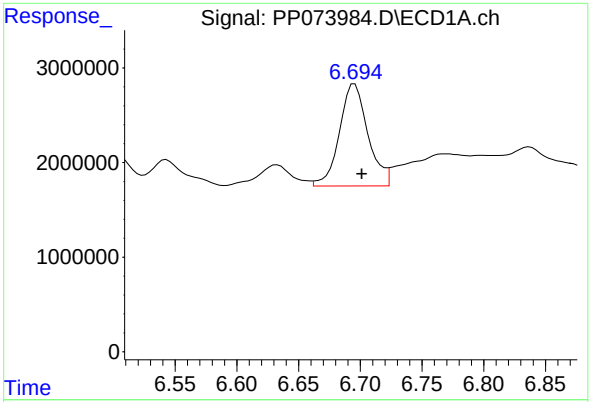
#26 AR-1254-1

R.T.: 6.480 min
Delta R.T.: -0.005 min
Response: 18595954
Conc: 347.01 ng/ml



#26 AR-1254-1

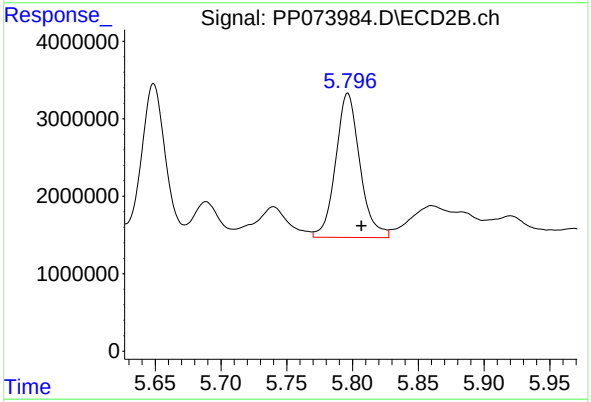
R.T.: 5.649 min
Delta R.T.: -0.009 min
Response: 24531218
Conc: 211.42 ng/ml



#27 AR-1254-2

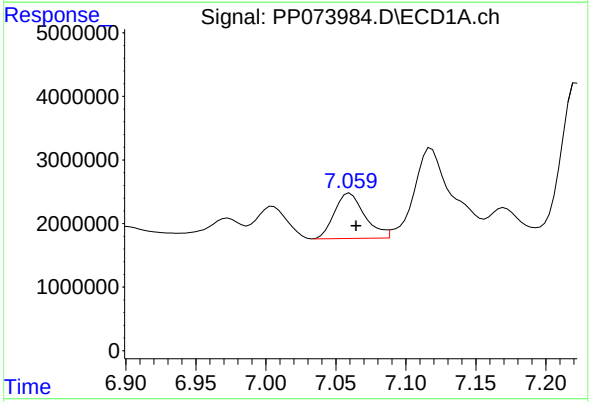
R.T.: 6.695 min
Delta R.T.: -0.006 min
Response: 17350776
Conc: 208.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



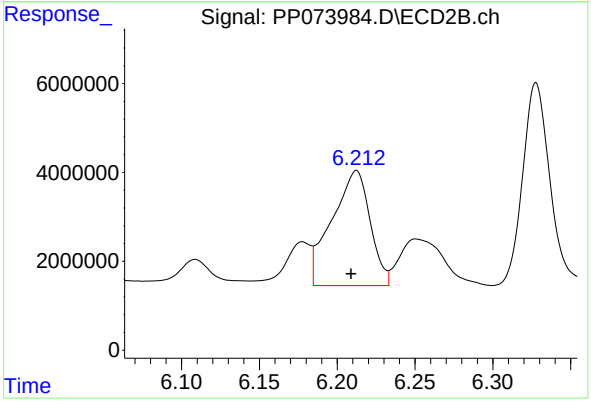
#27 AR-1254-2

R.T.: 5.796 min
Delta R.T.: -0.010 min
Response: 23885552
Conc: 237.38 ng/ml



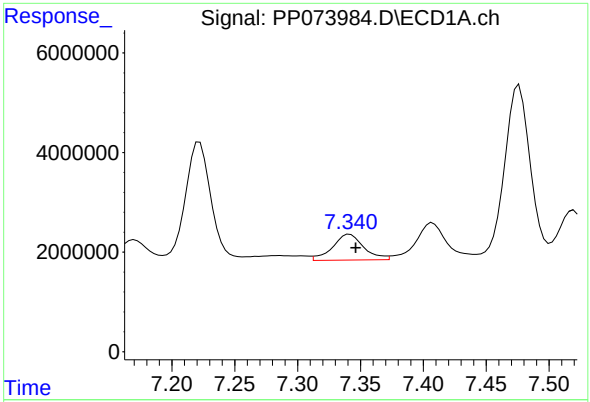
#28 AR-1254-3

R.T.: 7.060 min
Delta R.T.: -0.004 min
Response: 10719877
Conc: 121.36 ng/ml



#28 AR-1254-3

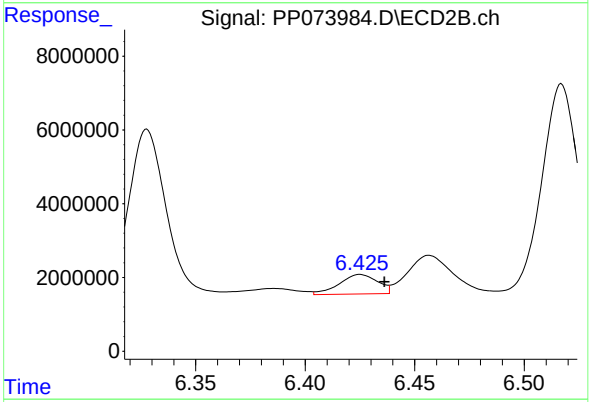
R.T.: 6.212 min
Delta R.T.: 0.003 min
Response: 44314410
Conc: 286.92 ng/ml



#29 AR-1254-4

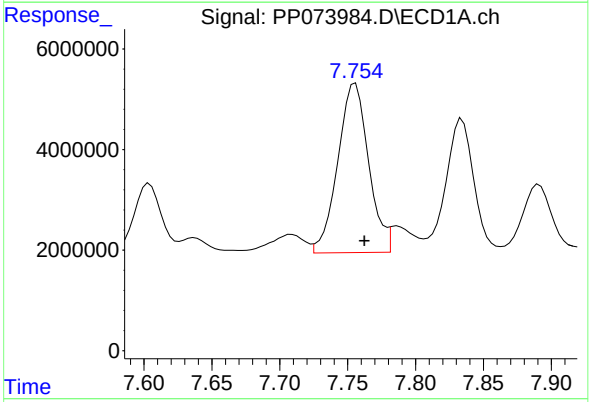
R.T.: 7.341 min
Delta R.T.: -0.005 min
Response: 8914494
Conc: 113.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



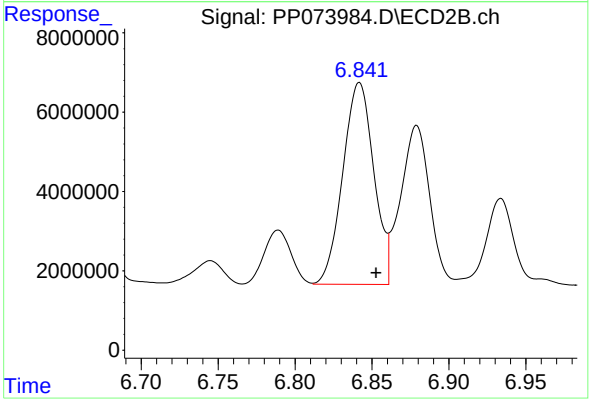
#29 AR-1254-4

R.T.: 6.425 min
Delta R.T.: -0.011 min
Response: 6462960
Conc: 68.35 ng/ml



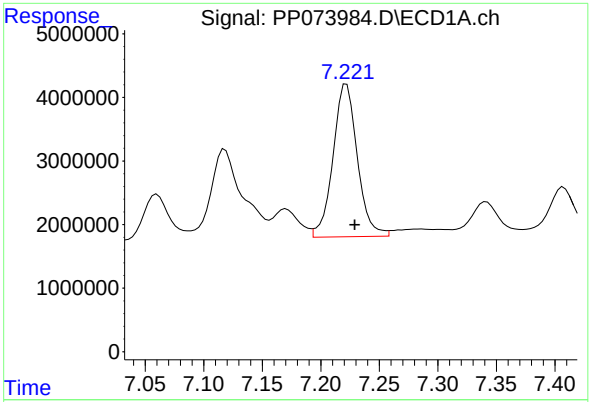
#30 AR-1254-5

R.T.: 7.756 min
Delta R.T.: -0.007 min
Response: 53170622
Conc: 721.64 ng/ml



#30 AR-1254-5

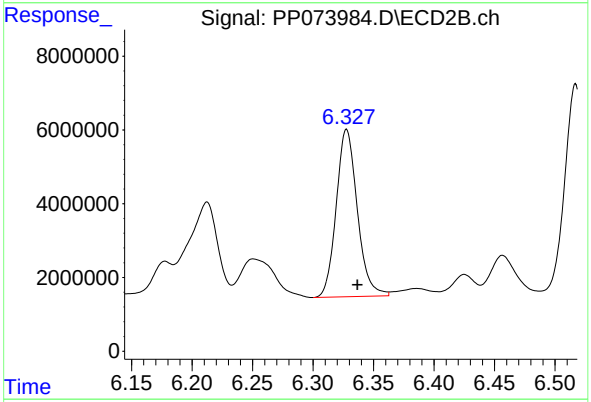
R.T.: 6.842 min
Delta R.T.: -0.011 min
Response: 71346544
Conc: 534.65 ng/ml



#31 AR-1260-1

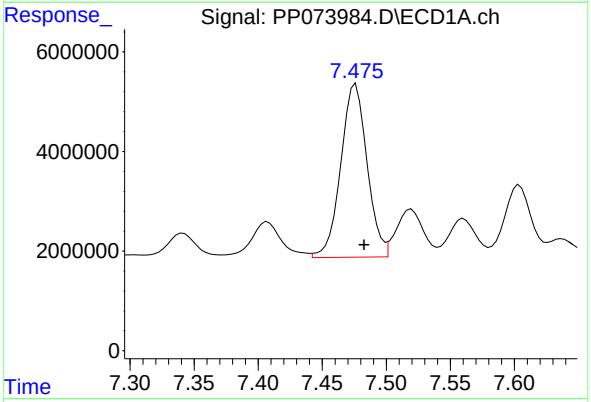
R.T.: 7.222 min
Delta R.T.: -0.007 min
Response: 34694505
Conc: 588.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



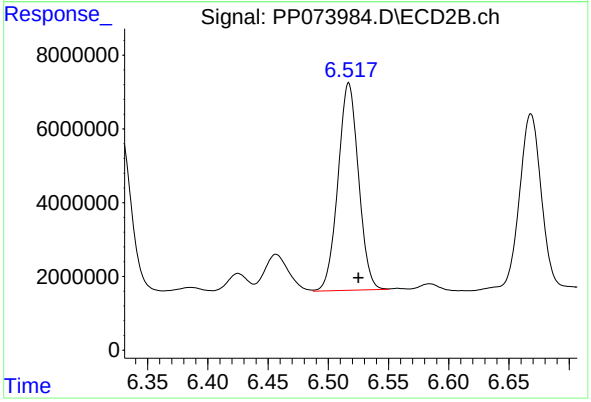
#31 AR-1260-1

R.T.: 6.328 min
Delta R.T.: -0.009 min
Response: 55075376
Conc: 564.53 ng/ml



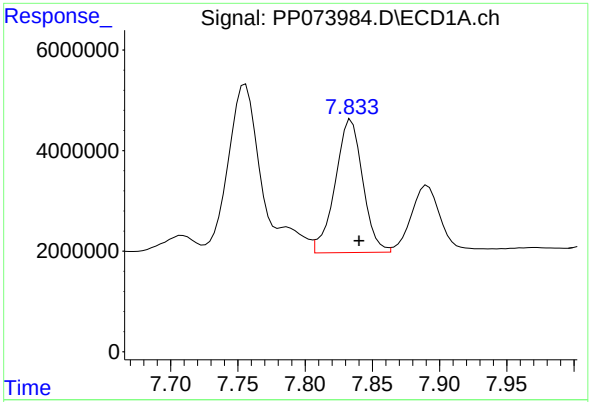
#32 AR-1260-2

R.T.: 7.476 min
Delta R.T.: -0.007 min
Response: 49718794
Conc: 518.77 ng/ml



#32 AR-1260-2

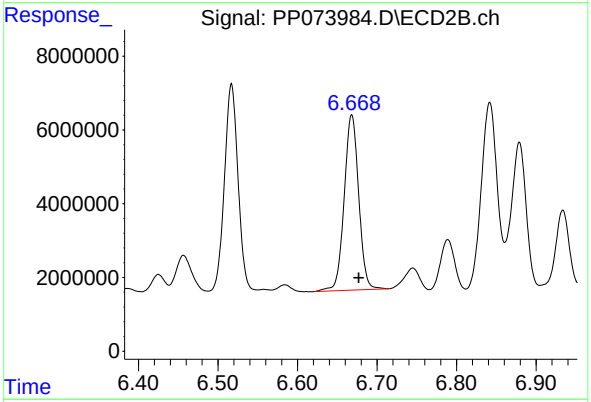
R.T.: 6.517 min
Delta R.T.: -0.008 min
Response: 66621540
Conc: 542.35 ng/ml



#33 AR-1260-3

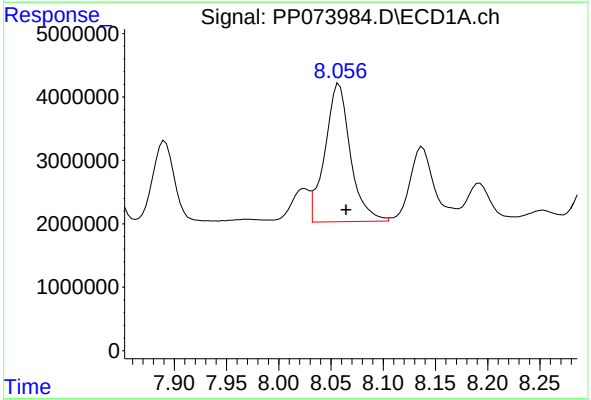
R.T.: 7.834 min
Delta R.T.: -0.006 min
Response: 37706644
Conc: 516.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



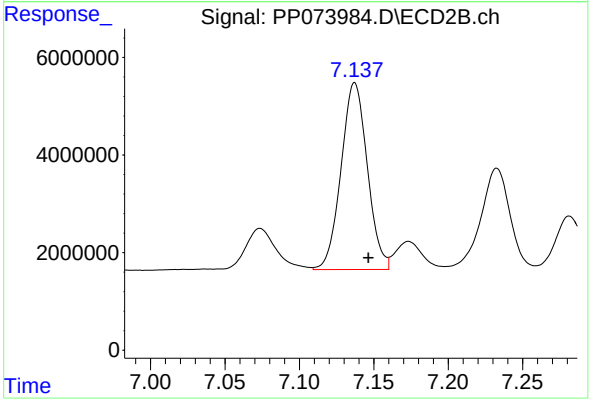
#33 AR-1260-3

R.T.: 6.668 min
Delta R.T.: -0.009 min
Response: 60304176
Conc: 550.91 ng/ml



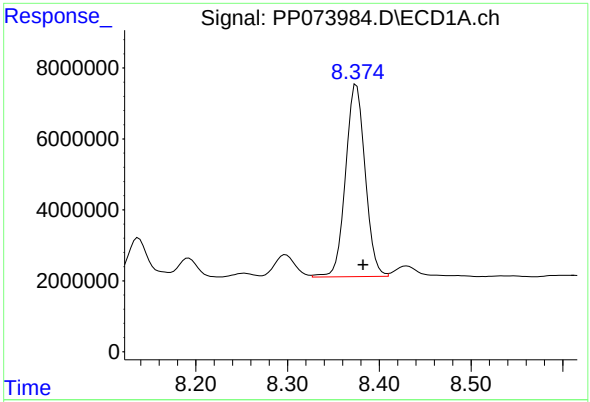
#34 AR-1260-4

R.T.: 8.058 min
Delta R.T.: -0.007 min
Response: 36868595
Conc: 564.60 ng/ml



#34 AR-1260-4

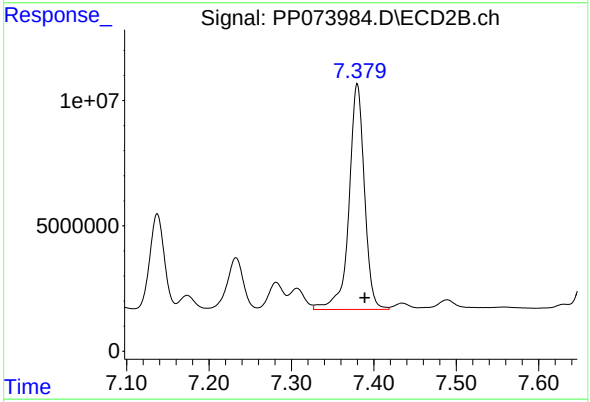
R.T.: 7.137 min
Delta R.T.: -0.009 min
Response: 47082456
Conc: 526.60 ng/ml



#35 AR-1260-5

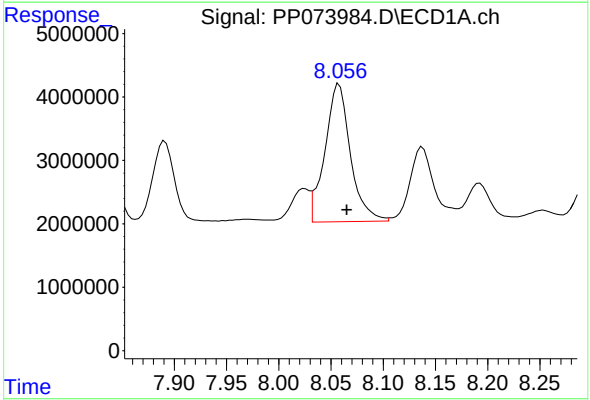
R.T.: 8.375 min
Delta R.T.: -0.007 min
Response: 80346257
Conc: 532.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



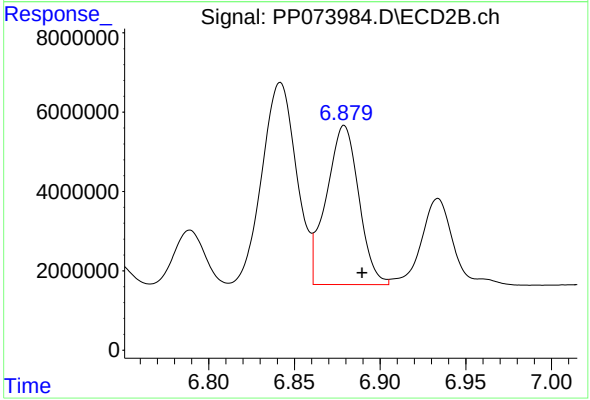
#35 AR-1260-5

R.T.: 7.380 min
Delta R.T.: -0.009 min
Response: 117176775
Conc: 521.40 ng/ml



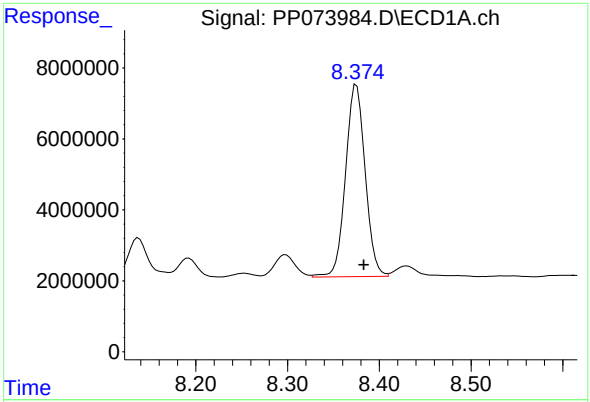
#36 AR-1262-1

R.T.: 8.058 min
Delta R.T.: -0.007 min
Response: 36868595
Conc: 423.64 ng/ml



#36 AR-1262-1

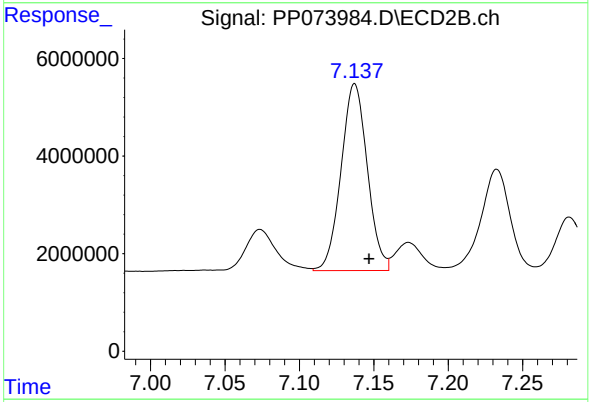
R.T.: 6.879 min
Delta R.T.: -0.010 min
Response: 52862605
Conc: 357.93 ng/ml



#37 AR-1262-2

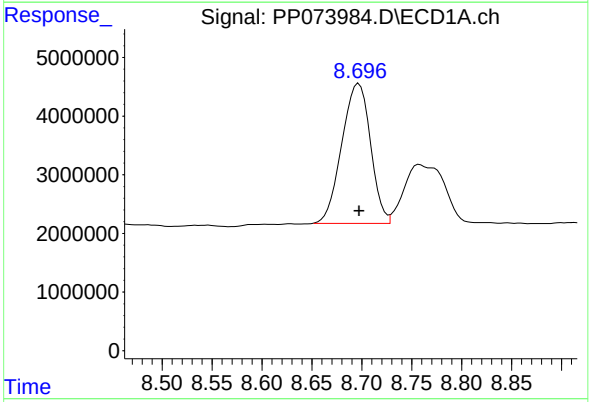
R.T.: 8.375 min
Delta R.T.: -0.008 min
Response: 80346257
Conc: 405.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



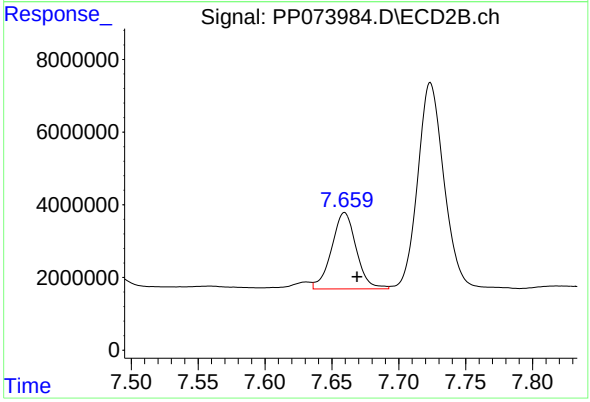
#37 AR-1262-2

R.T.: 7.137 min
Delta R.T.: -0.010 min
Response: 47082456
Conc: 368.32 ng/ml



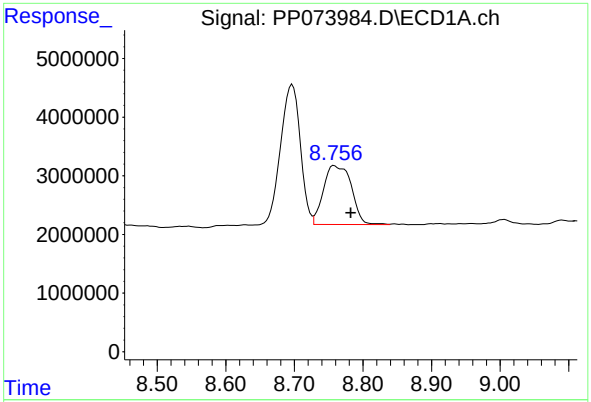
#38 AR-1262-3

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 47764045
Conc: 379.91 ng/ml



#38 AR-1262-3

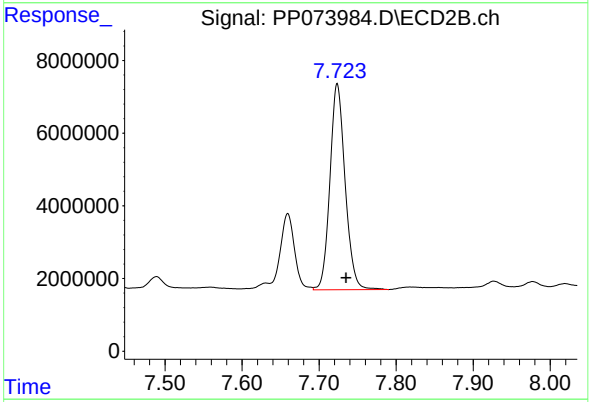
R.T.: 7.659 min
Delta R.T.: -0.009 min
Response: 26973034
Conc: 236.57 ng/ml



#39 AR-1262-4

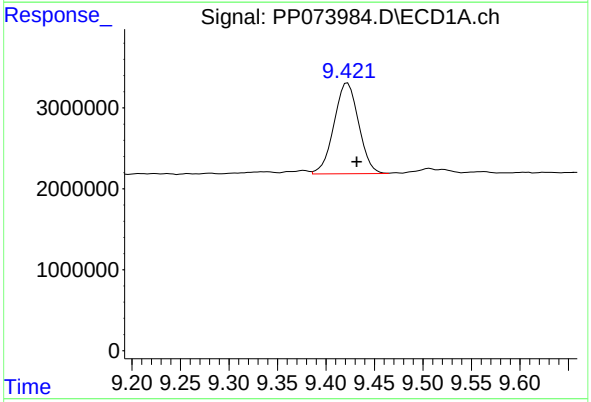
R.T.: 8.758 min
Delta R.T.: -0.024 min
Response: 28415445
Conc: 304.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



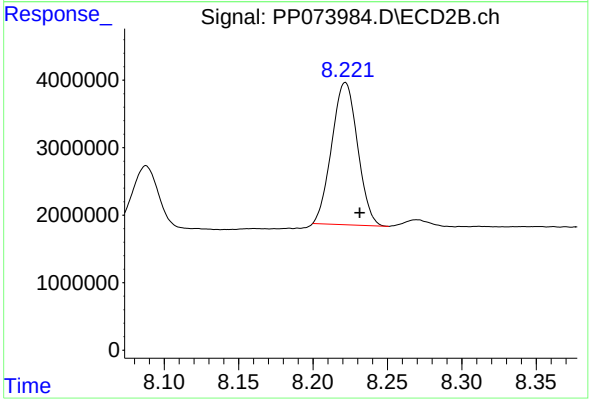
#39 AR-1262-4

R.T.: 7.724 min
Delta R.T.: -0.011 min
Response: 77752202
Conc: 422.45 ng/ml



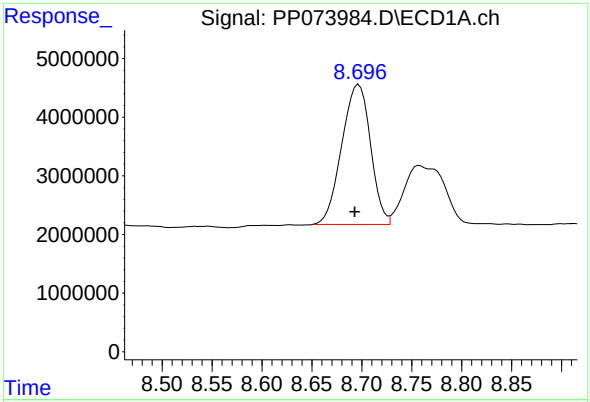
#40 AR-1262-5

R.T.: 9.422 min
Delta R.T.: -0.009 min
Response: 19854543
Conc: 313.22 ng/ml



#40 AR-1262-5

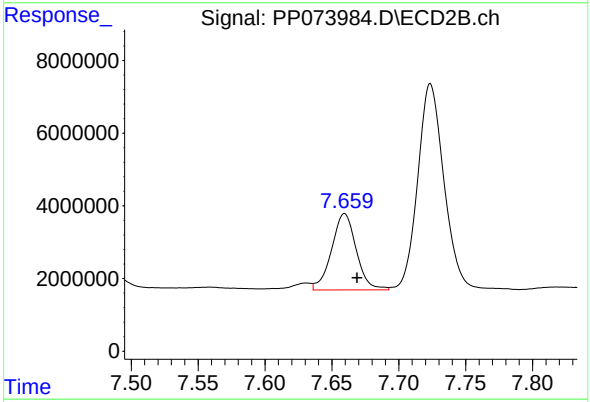
R.T.: 8.222 min
Delta R.T.: -0.010 min
Response: 25455071
Conc: 301.47 ng/ml



#41 AR-1268-1

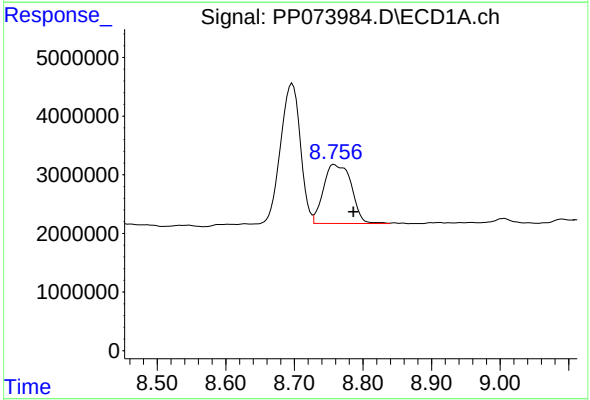
R.T.: 8.697 min
Delta R.T.: 0.004 min
Response: 47764045
Conc: 213.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



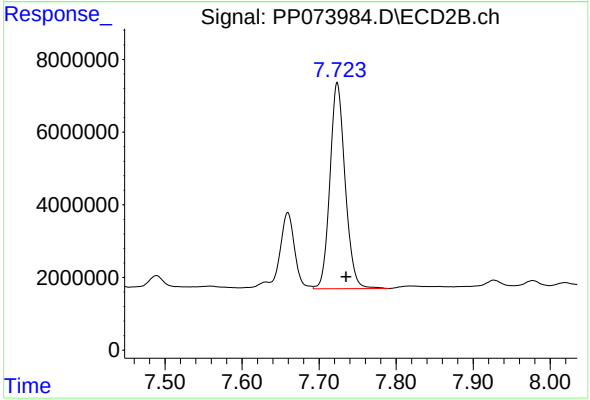
#41 AR-1268-1

R.T.: 7.659 min
Delta R.T.: -0.009 min
Response: 26973034
Conc: 87.75 ng/ml



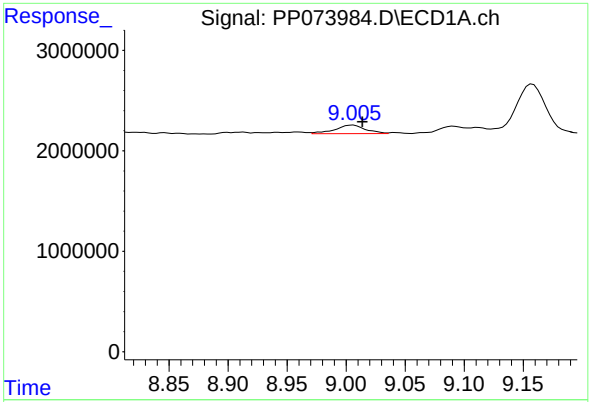
#42 AR-1268-2

R.T.: 8.758 min
Delta R.T.: -0.028 min
Response: 28415445
Conc: 149.16 ng/ml



#42 AR-1268-2

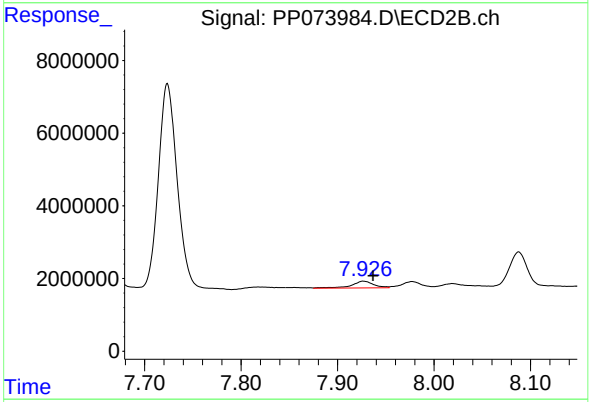
R.T.: 7.724 min
Delta R.T.: -0.012 min
Response: 77752202
Conc: 292.64 ng/ml



#43 AR-1268-3

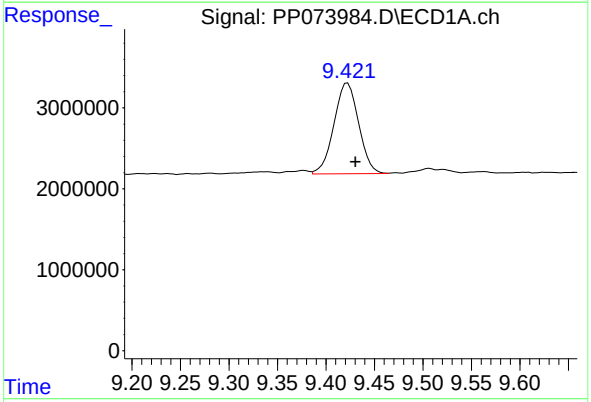
R.T.: 9.006 min
Delta R.T.: -0.008 min
Response: 1539585
Conc: 9.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



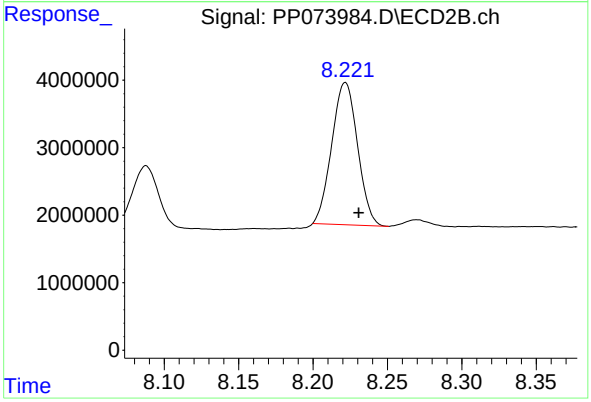
#43 AR-1268-3

R.T.: 7.927 min
Delta R.T.: -0.010 min
Response: 2942539
Conc: 13.04 ng/ml



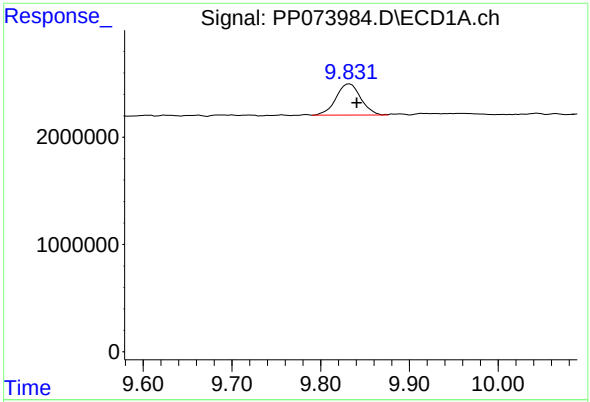
#44 AR-1268-4

R.T.: 9.422 min
Delta R.T.: -0.008 min
Response: 19854543
Conc: 285.50 ng/ml



#44 AR-1268-4

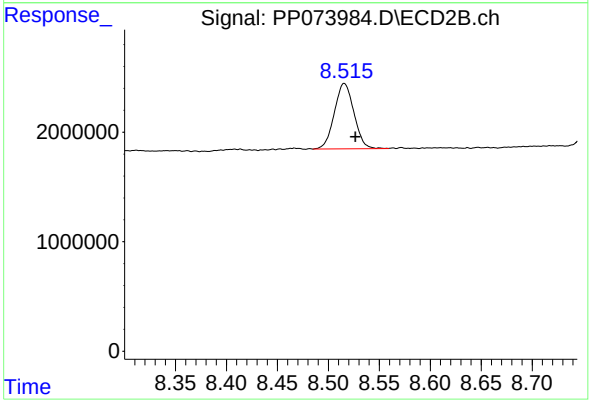
R.T.: 8.222 min
Delta R.T.: -0.009 min
Response: 25455071
Conc: 273.81 ng/ml



#45 AR-1268-5

R.T.: 9.833 min
Delta R.T.: -0.008 min
Response: 5638616
Conc: 12.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MS



#45 AR-1268-5

R.T.: 8.516 min
Delta R.T.: -0.011 min
Response: 8000594
Conc: 12.98 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:56
Operator : YP\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:51:16 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...	4.485	3.774	23007780	32891692	16.800	17.854	
2)	SA	Decachlor...	10.171	8.771	19437749	25634073	17.816	19.374	
	Target Compounds								
3)	L1	AR-1016-1	5.636	4.851	18736879	29541322	394.348	433.318	
4)	L1	AR-1016-2	5.657	4.869	30133135	43844893	423.130	430.340	
5)	L1	AR-1016-3	5.719	5.045	18269038	24208384	418.409	447.422	
6)	L1	AR-1016-4	5.816	5.087	16118675	19716668	448.419	449.323	
7)	L1	AR-1016-5	6.110	5.300	17783528	24543584	567.612	449.660	
8)	L2	AR-1221-1	4.684	3.982	2316741	3672400	129.670	135.789	
9)	L2	AR-1221-2	4.772	4.069	2571348	4922940	190.407	241.791	#
10)	L2	AR-1221-3	4.847	4.144	11286630	16409637	271.282	267.046	
11)	L3	AR-1232-1	4.847	4.144	11286630	16409637	345.678	352.030	
12)	L3	AR-1232-2	5.371	4.869	17167747	43844893	1056.173	919.955	
13)	L3	AR-1232-3	5.657	5.045	30133135	24208384	913.306	967.212	
14)	L3	AR-1232-4	5.816	5.129	16118675	22709464	980.147	1048.631	
15)	L3	AR-1232-5	5.907	5.300	11991357	24543584	1134.432	1087.759	
16)	L4	AR-1242-1	5.636	4.851	18736879	29541322	490.646	511.407	
17)	L4	AR-1242-2	5.657	4.869	30133135	43844893	503.208	507.146	
18)	L4	AR-1242-3	5.719	5.045	18269038	24208384	498.869	526.880	
19)	L4	AR-1242-4	5.816	5.129	16118675	22709464	501.577	513.054	
20)	L4	AR-1242-5	6.546	5.651	6319352	24658094	193.035	446.361	#
21)	L5	AR-1248-1	5.636	4.851	18736879	29541322	606.950	658.011	
22)	L5	AR-1248-2	5.907	5.087	11991357	19716668	300.359	320.406	
23)	L5	AR-1248-3	6.110	5.129	17783528	22709464	400.443	354.478	
24)	L5	AR-1248-4	6.483	5.300	19277292	24543584	349.984	325.609	
25)	L5	AR-1248-5	6.546	5.690	6319352	5986328	117.481	80.255	#
26)	L6	AR-1254-1	6.483	5.651	19277292	24658094	359.721	212.515	#
27)	L6	AR-1254-2	6.698	5.799	18157197	23975260	218.003	238.267	
28)	L6	AR-1254-3	7.063	6.214	10928576	44083931	123.722	285.432	#
29)	L6	AR-1254-4	7.344	6.428	10348921	6367228	131.553	67.336	#
30)	L6	AR-1254-5	7.759	6.844	53191433	71090554	721.927	532.734	#
31)	L7	AR-1260-1	7.226	6.330	35309050	54851085	598.852	562.228	
32)	L7	AR-1260-2	7.479	6.518	49841976	65815583	520.055	535.794	
33)	L7	AR-1260-3	7.837	6.670	37810191	59476912	517.447	543.348	
34)	L7	AR-1260-4	8.061	7.139	45575779	46277558	697.946	517.597	#
35)	L7	AR-1260-5	8.378	7.383	80997949	117.0E6	536.934	520.578	
36)	L8	AR-1262-1	8.061	6.881	45575779	52214863	523.695	353.540	#
37)	L8	AR-1262-2	8.378	7.139	80997949	46277558	409.024	362.027	
38)	L8	AR-1262-3	8.700	7.661	47490444	26041835	377.733	228.399	#
39)	L8	AR-1262-4	8.777	7.726	10905481	76651297	116.933	416.472	#
40)	L8	AR-1262-5	9.426	8.224	19633340	25848025	309.726	306.127	
41)	L9	AR-1268-1	8.700	7.661	47490444	26041835	212.748	84.723	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:56
Operator : YP\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RT2286MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:51:16 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
42) L9	AR-1268-2	8.777	7.726	10905481	76651297	57.245	288.501 #
43) L9	AR-1268-3	9.009	7.930	1635702	2877785	9.879	12.757 #
44) L9	AR-1268-4	9.426	8.224	19633340	25848025	282.316	278.032
45) L9	AR-1268-5	9.836	8.517	5572340	7686741	12.089	12.467

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

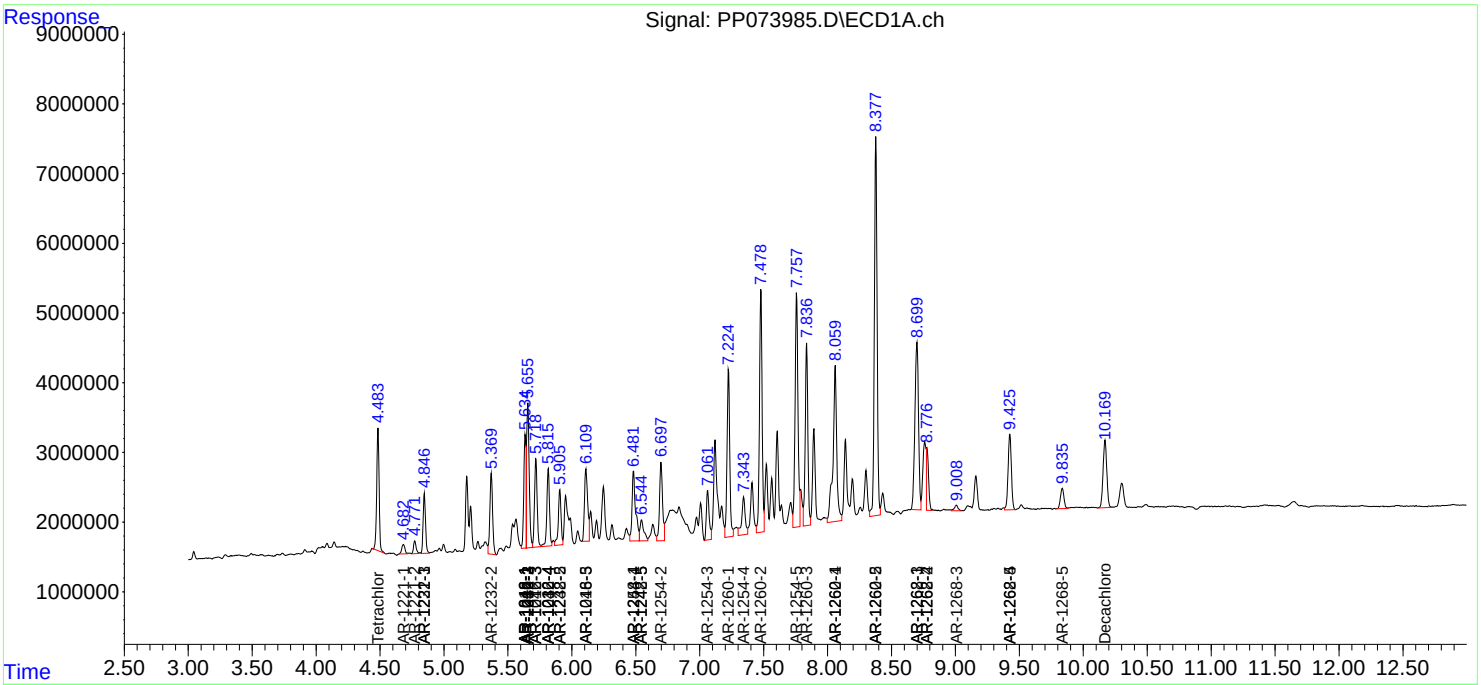
Quantitation Report (Not Reviewed)

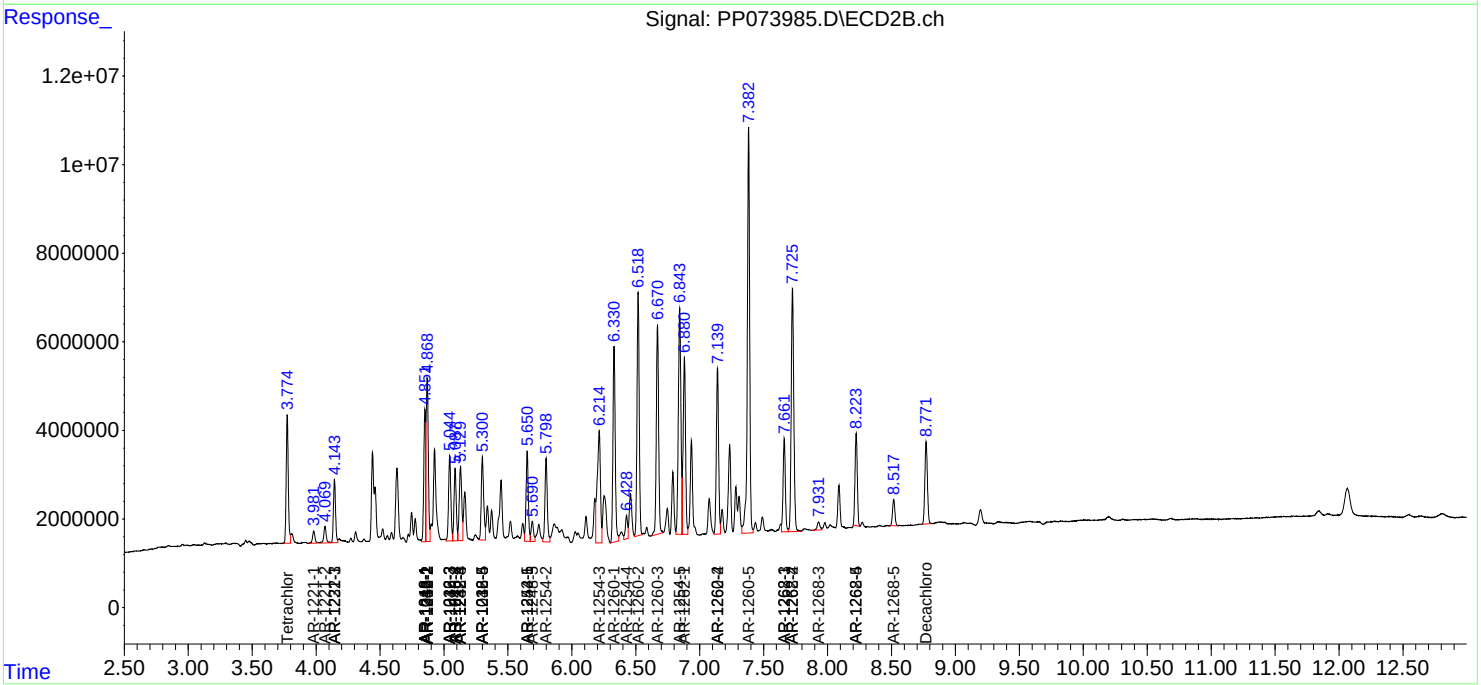
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP072125\
Data File : PP073985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:56
Operator : YP\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

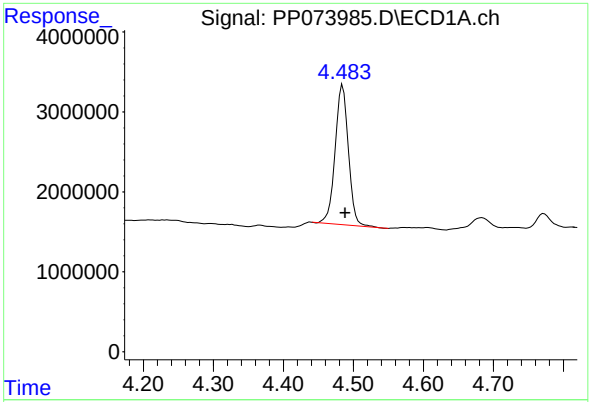
Instrument :
ECD_P
ClientSampleId :
RT2286MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:51:16 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



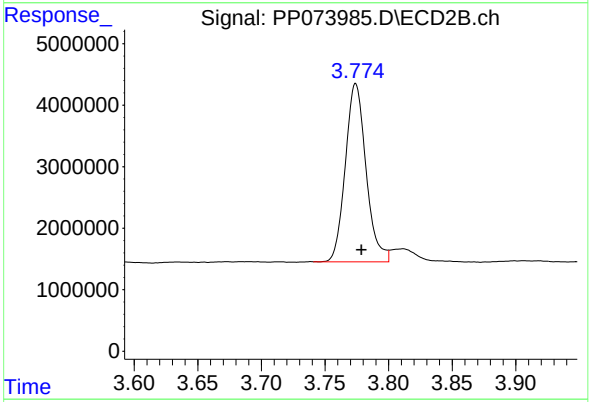




#1 Tetrachloro-m-xylene

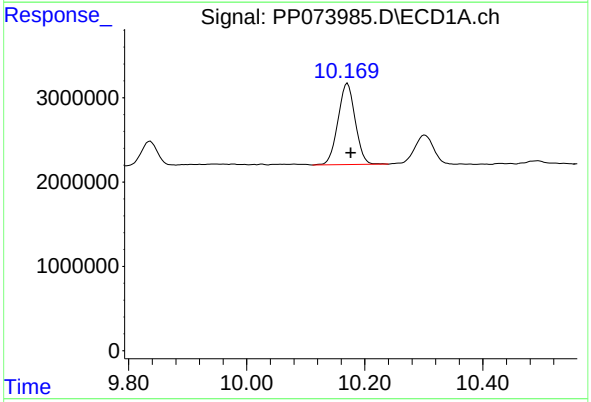
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 23007780
Conc: 16.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



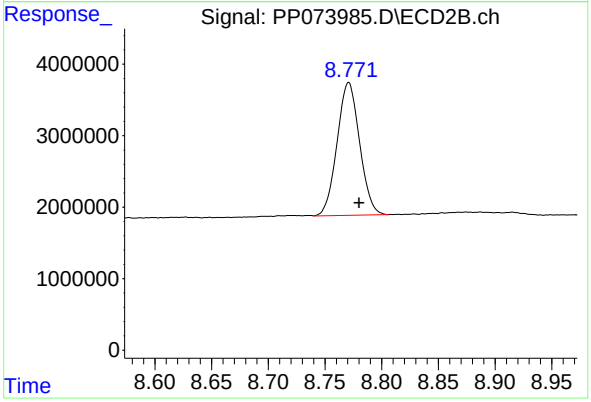
#1 Tetrachloro-m-xylene

R.T.: 3.774 min
Delta R.T.: -0.004 min
Response: 32891692
Conc: 17.85 ng/ml



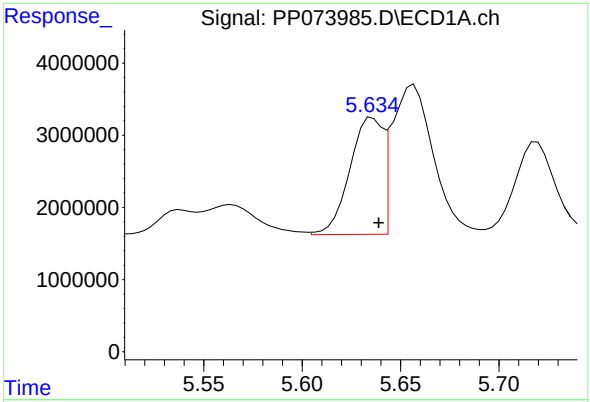
#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 19437749
Conc: 17.82 ng/ml



#2 Decachlorobiphenyl

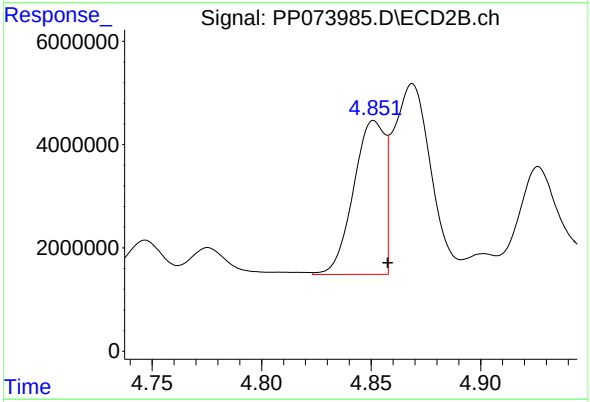
R.T.: 8.771 min
Delta R.T.: -0.009 min
Response: 25634073
Conc: 19.37 ng/ml



#3 AR-1016-1

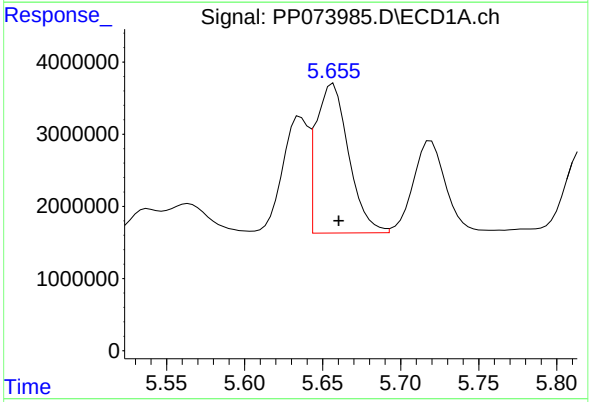
R.T.: 5.636 min
Delta R.T.: -0.003 min
Response: 18736879
Conc: 394.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



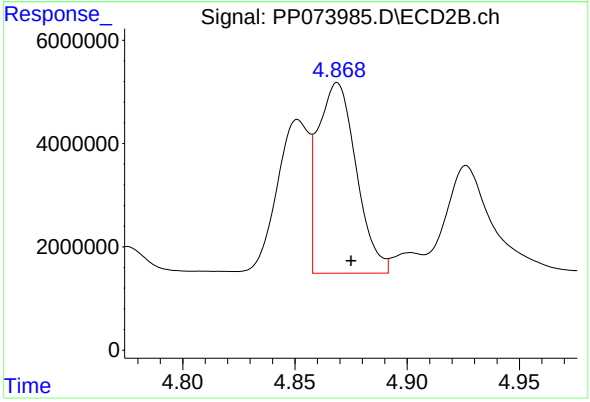
#3 AR-1016-1

R.T.: 4.851 min
Delta R.T.: -0.006 min
Response: 29541322
Conc: 433.32 ng/ml



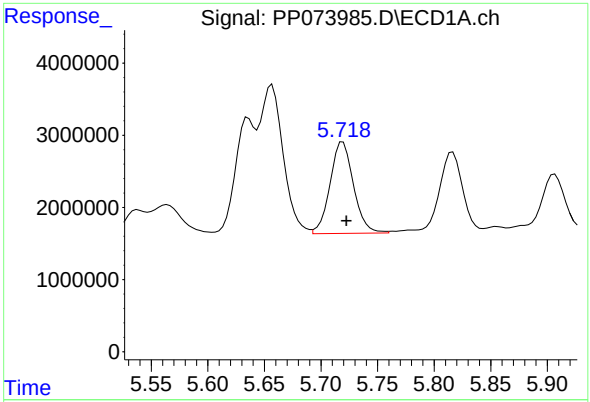
#4 AR-1016-2

R.T.: 5.657 min
Delta R.T.: -0.004 min
Response: 30133135
Conc: 423.13 ng/ml



#4 AR-1016-2

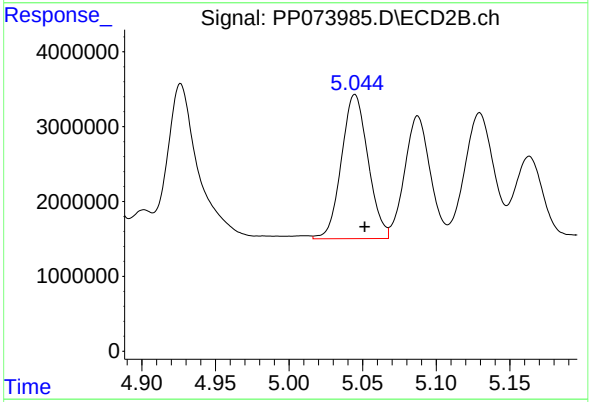
R.T.: 4.869 min
Delta R.T.: -0.006 min
Response: 43844893
Conc: 430.34 ng/ml



#5 AR-1016-3

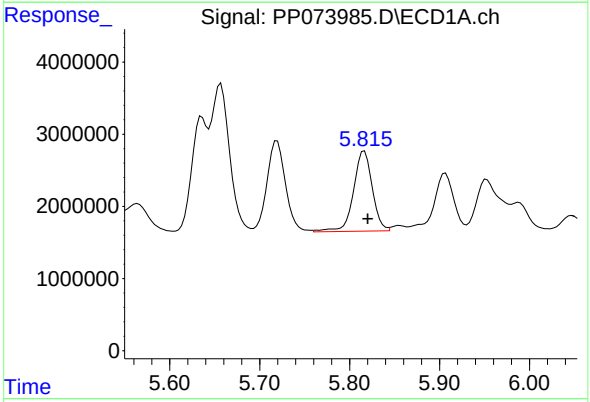
R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 18269038
Conc: 418.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



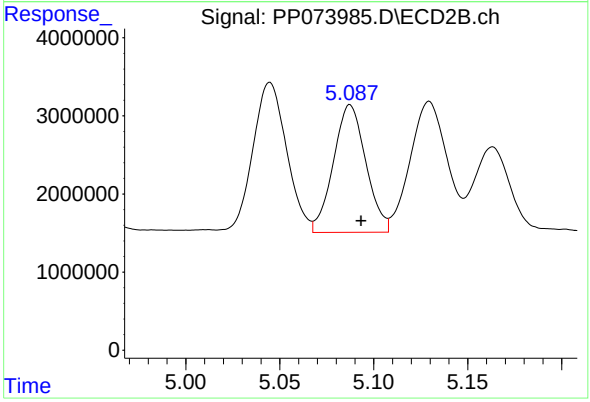
#5 AR-1016-3

R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 24208384
Conc: 447.42 ng/ml



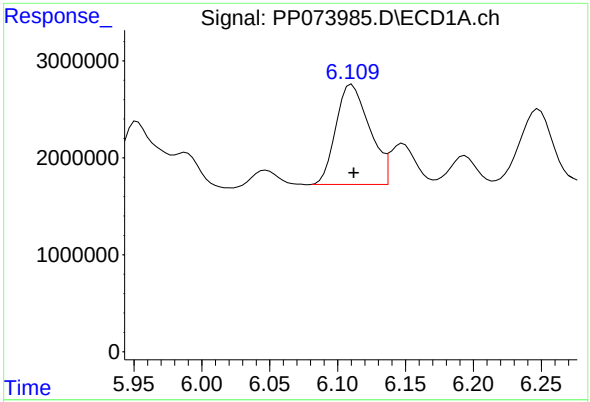
#6 AR-1016-4

R.T.: 5.816 min
Delta R.T.: -0.004 min
Response: 16118675
Conc: 448.42 ng/ml



#6 AR-1016-4

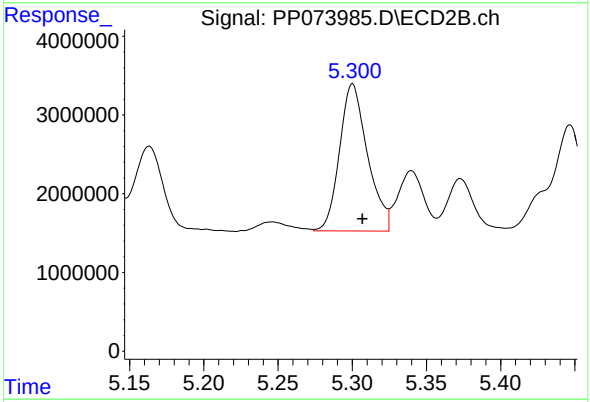
R.T.: 5.087 min
Delta R.T.: -0.006 min
Response: 19716668
Conc: 449.32 ng/ml



#7 AR-1016-5

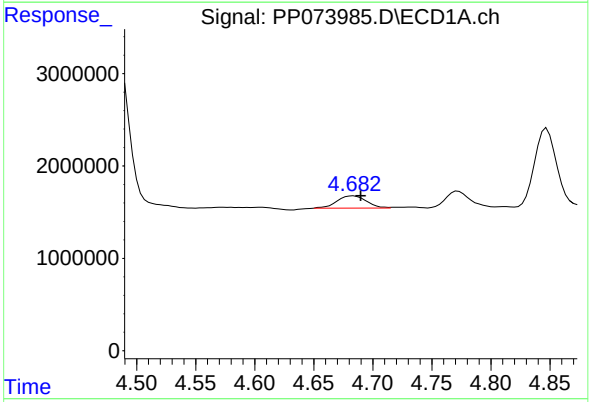
R.T.: 6.110 min
Delta R.T.: -0.001 min
Response: 17783528
Conc: 567.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



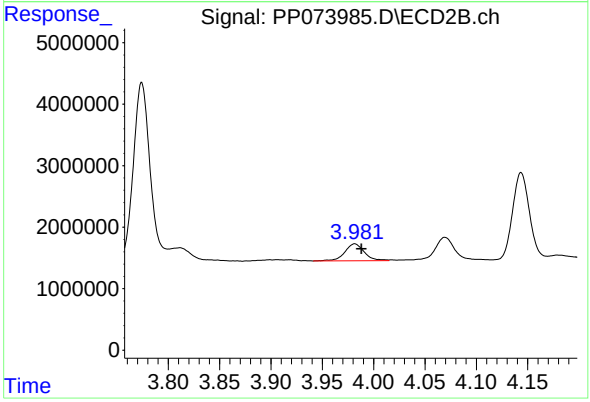
#7 AR-1016-5

R.T.: 5.300 min
Delta R.T.: -0.007 min
Response: 24543584
Conc: 449.66 ng/ml



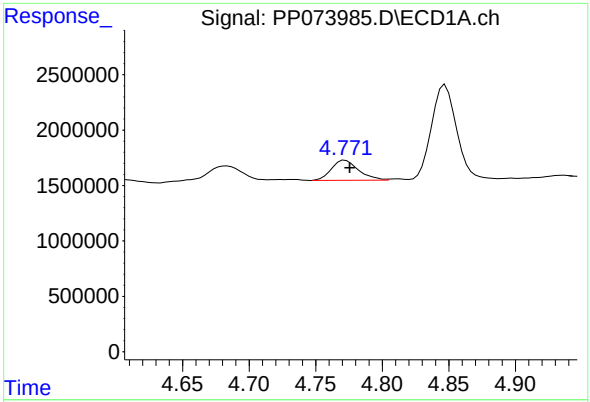
#8 AR-1221-1

R.T.: 4.684 min
Delta R.T.: -0.006 min
Response: 2316741
Conc: 129.67 ng/ml



#8 AR-1221-1

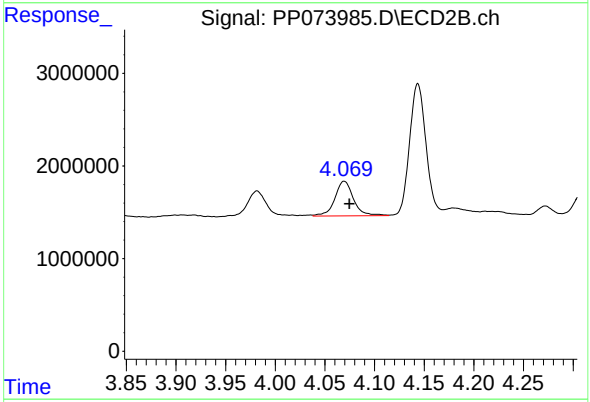
R.T.: 3.982 min
Delta R.T.: -0.006 min
Response: 3672400
Conc: 135.79 ng/ml



#9 AR-1221-2

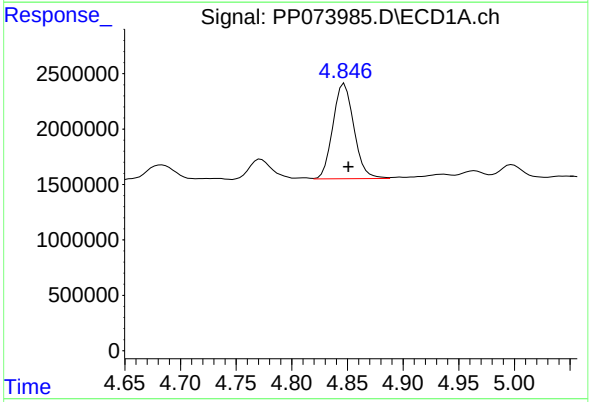
R.T.: 4.772 min
Delta R.T.: -0.003 min
Response: 2571348
Conc: 190.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



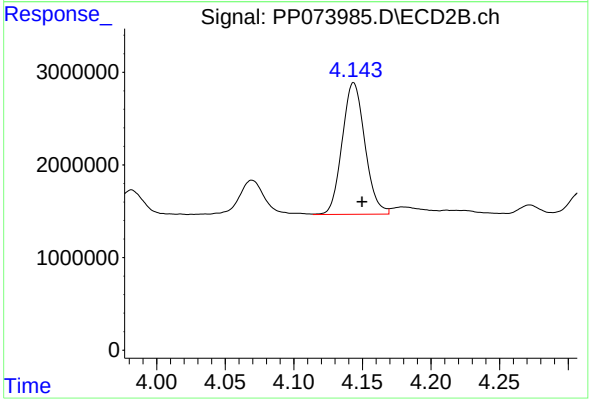
#9 AR-1221-2

R.T.: 4.069 min
Delta R.T.: -0.005 min
Response: 4922940
Conc: 241.79 ng/ml



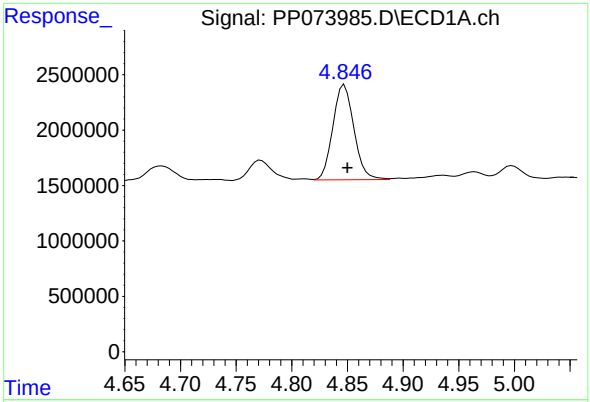
#10 AR-1221-3

R.T.: 4.847 min
Delta R.T.: -0.004 min
Response: 11286630
Conc: 271.28 ng/ml



#10 AR-1221-3

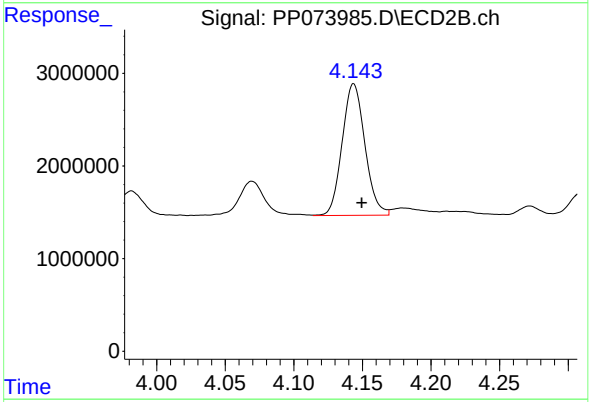
R.T.: 4.144 min
Delta R.T.: -0.006 min
Response: 16409637
Conc: 267.05 ng/ml



#11 AR-1232-1

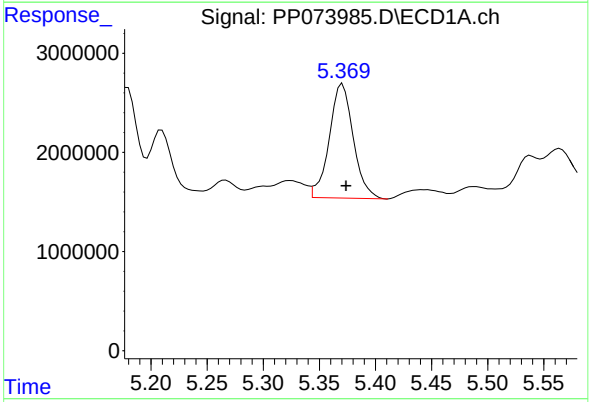
R.T.: 4.847 min
Delta R.T.: -0.003 min
Response: 11286630
Conc: 345.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



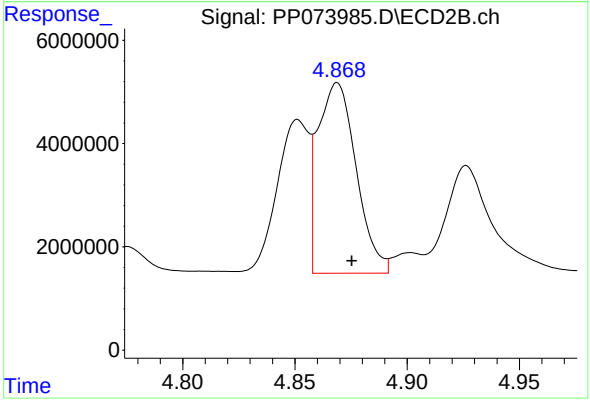
#11 AR-1232-1

R.T.: 4.144 min
Delta R.T.: -0.006 min
Response: 16409637
Conc: 352.03 ng/ml



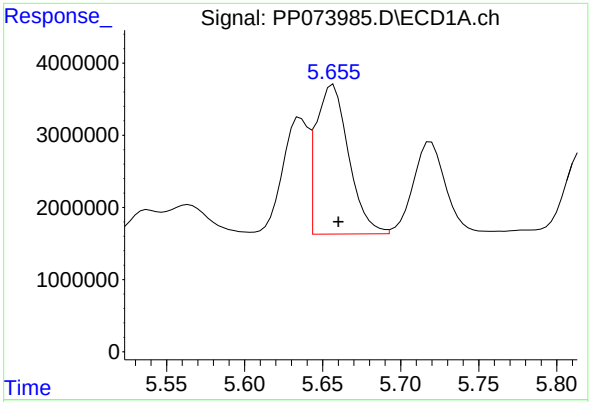
#12 AR-1232-2

R.T.: 5.371 min
Delta R.T.: -0.003 min
Response: 17167747
Conc: 1056.17 ng/ml



#12 AR-1232-2

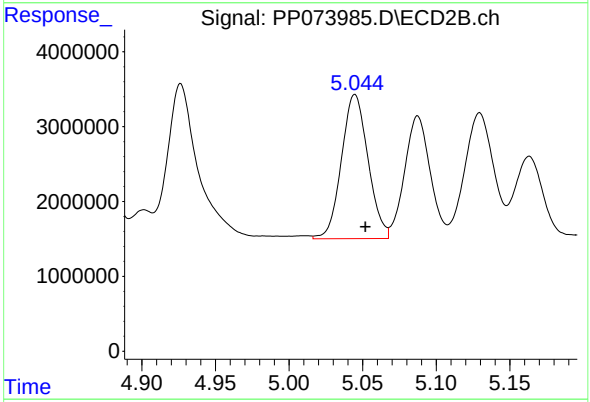
R.T.: 4.869 min
Delta R.T.: -0.007 min
Response: 43844893
Conc: 919.96 ng/ml



#13 AR-1232-3

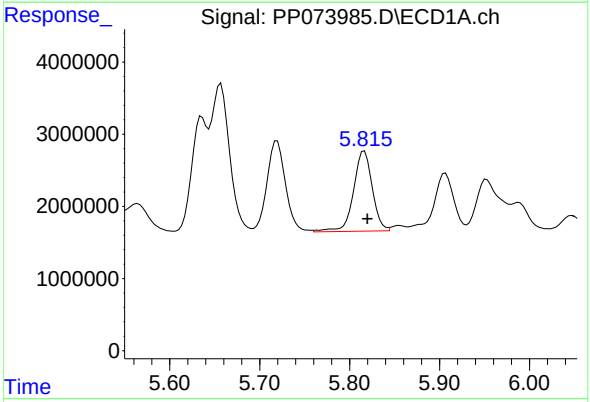
R.T.: 5.657 min
Delta R.T.: -0.003 min
Response: 30133135
Conc: 913.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



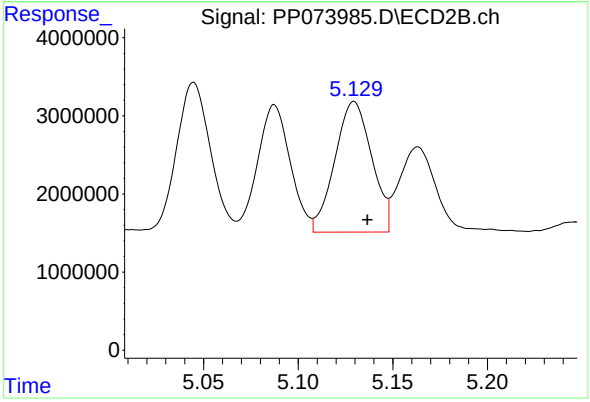
#13 AR-1232-3

R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 24208384
Conc: 967.21 ng/ml



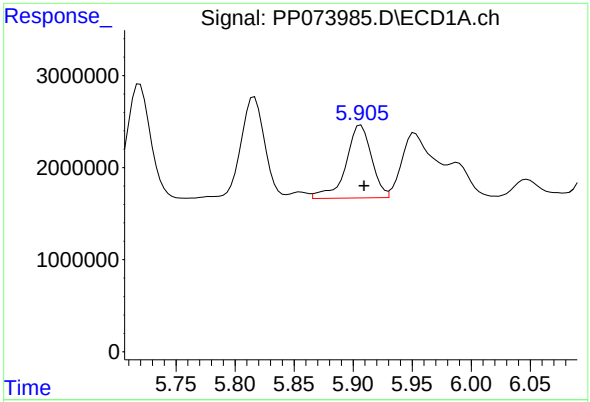
#14 AR-1232-4

R.T.: 5.816 min
Delta R.T.: -0.004 min
Response: 16118675
Conc: 980.15 ng/ml



#14 AR-1232-4

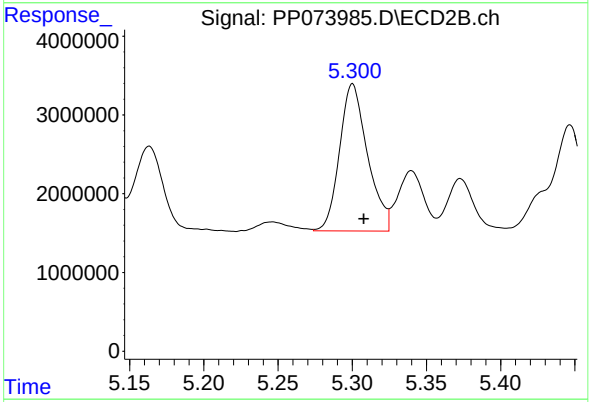
R.T.: 5.129 min
Delta R.T.: -0.007 min
Response: 22709464
Conc: 1048.63 ng/ml



#15 AR-1232-5

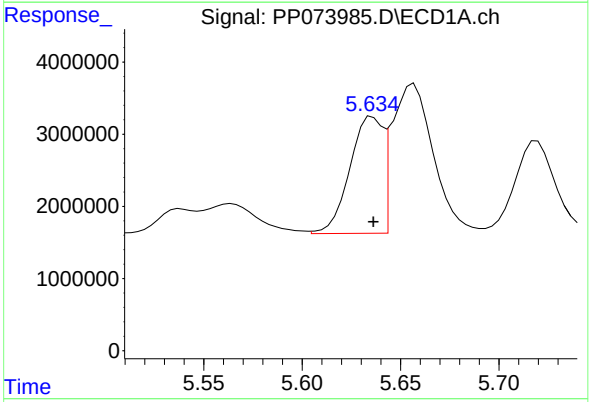
R.T.: 5.907 min
Delta R.T.: -0.003 min
Response: 11991357
Conc: 1134.43 ng/m

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



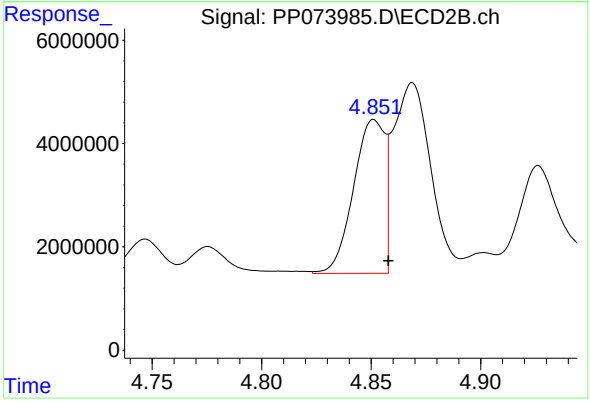
#15 AR-1232-5

R.T.: 5.300 min
Delta R.T.: -0.008 min
Response: 24543584
Conc: 1087.76 ng/ml



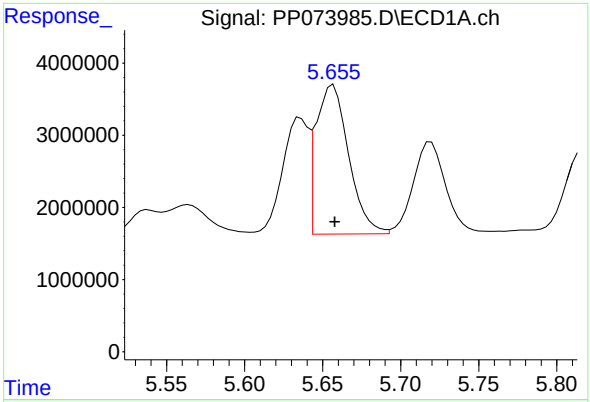
#16 AR-1242-1

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 18736879
Conc: 490.65 ng/ml



#16 AR-1242-1

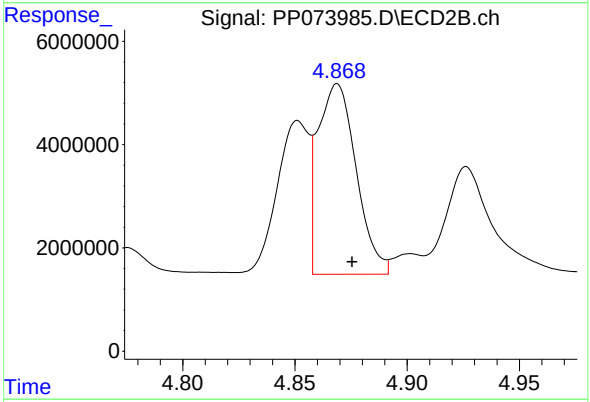
R.T.: 4.851 min
Delta R.T.: -0.007 min
Response: 29541322
Conc: 511.41 ng/ml



#17 AR-1242-2

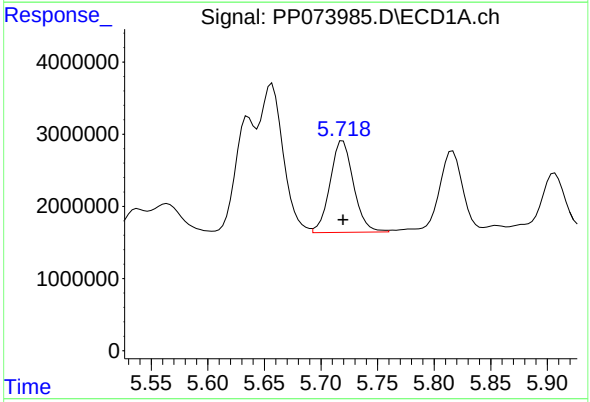
R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 30133135
Conc: 503.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



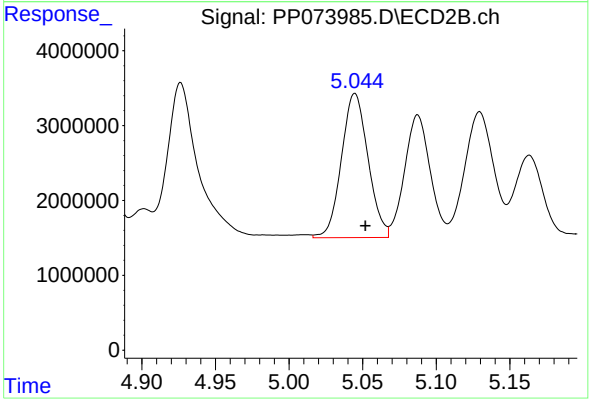
#17 AR-1242-2

R.T.: 4.869 min
Delta R.T.: -0.007 min
Response: 43844893
Conc: 507.15 ng/ml



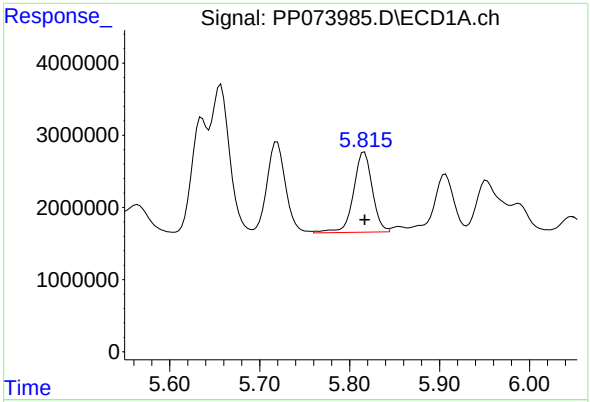
#18 AR-1242-3

R.T.: 5.719 min
Delta R.T.: 0.000 min
Response: 18269038
Conc: 498.87 ng/ml



#18 AR-1242-3

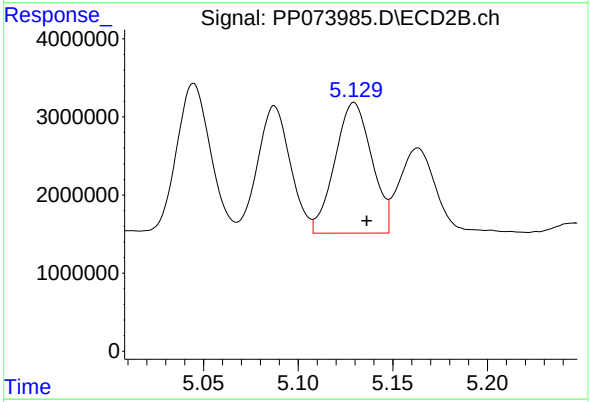
R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 24208384
Conc: 526.88 ng/ml



#19 AR-1242-4

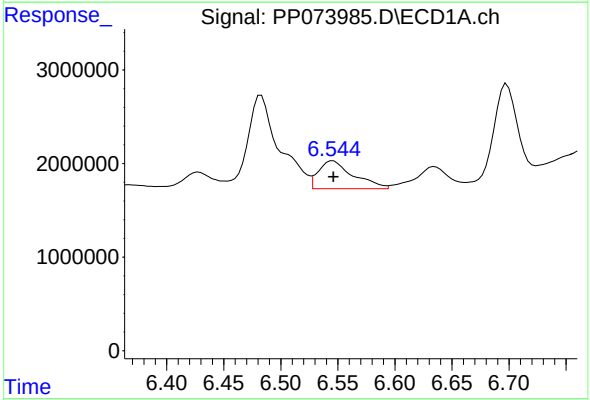
R.T.: 5.816 min
Delta R.T.: 0.000 min
Response: 16118675
Conc: 501.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



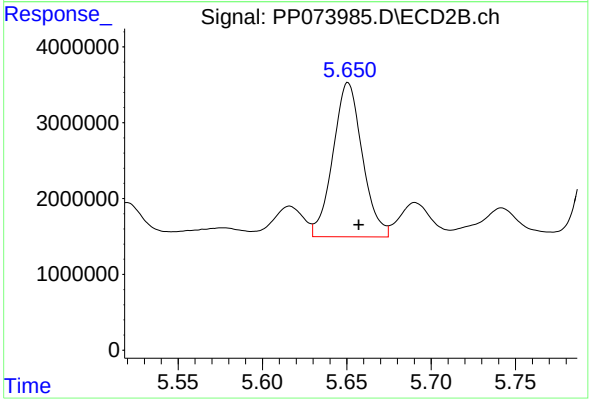
#19 AR-1242-4

R.T.: 5.129 min
Delta R.T.: -0.007 min
Response: 22709464
Conc: 513.05 ng/ml



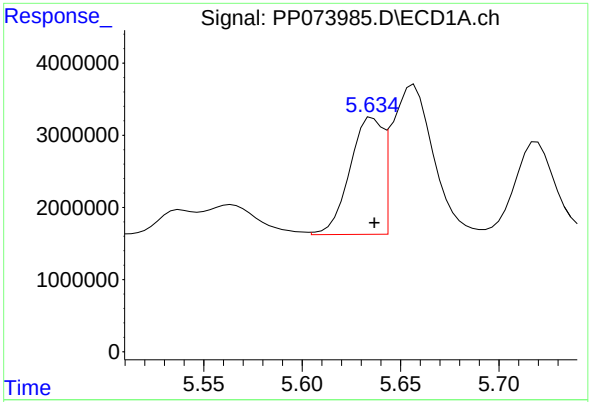
#20 AR-1242-5

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 6319352
Conc: 193.03 ng/ml



#20 AR-1242-5

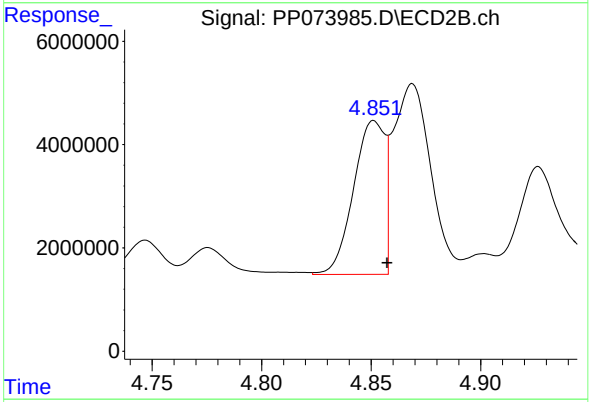
R.T.: 5.651 min
Delta R.T.: -0.006 min
Response: 24658094
Conc: 446.36 ng/ml



#21 AR-1248-1

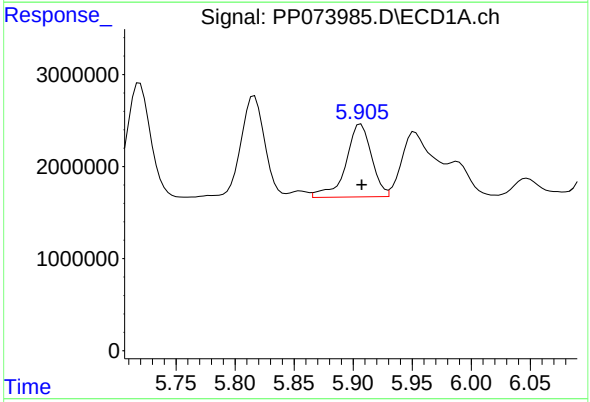
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 18736879
Conc: 606.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



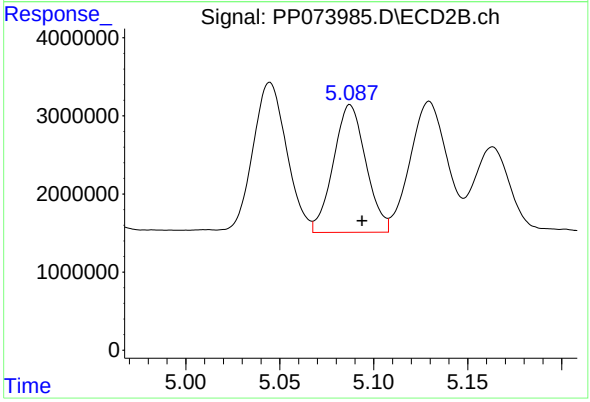
#21 AR-1248-1

R.T.: 4.851 min
Delta R.T.: -0.006 min
Response: 29541322
Conc: 658.01 ng/ml



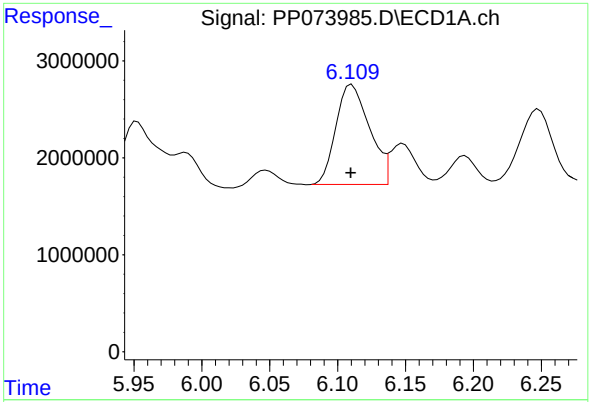
#22 AR-1248-2

R.T.: 5.907 min
Delta R.T.: 0.000 min
Response: 11991357
Conc: 300.36 ng/ml



#22 AR-1248-2

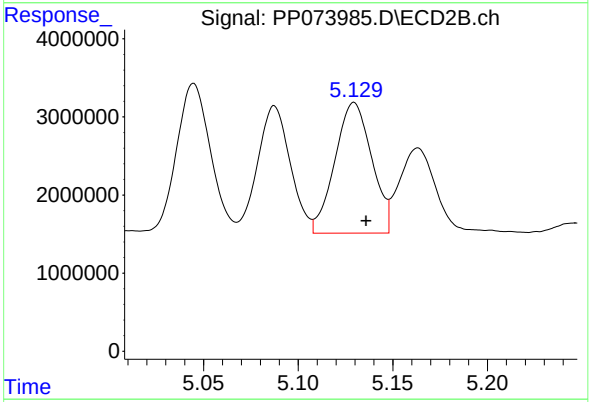
R.T.: 5.087 min
Delta R.T.: -0.006 min
Response: 19716668
Conc: 320.41 ng/ml



#23 AR-1248-3

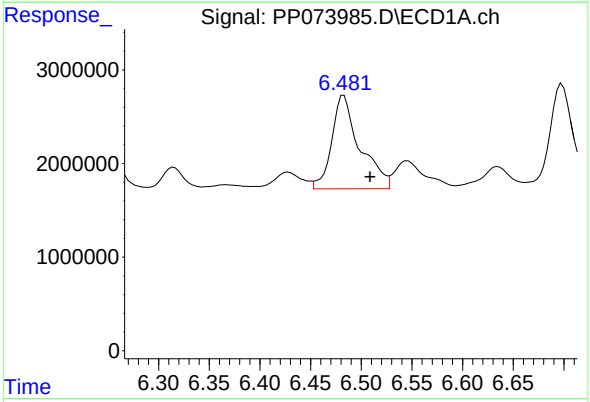
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 17783528
Conc: 400.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



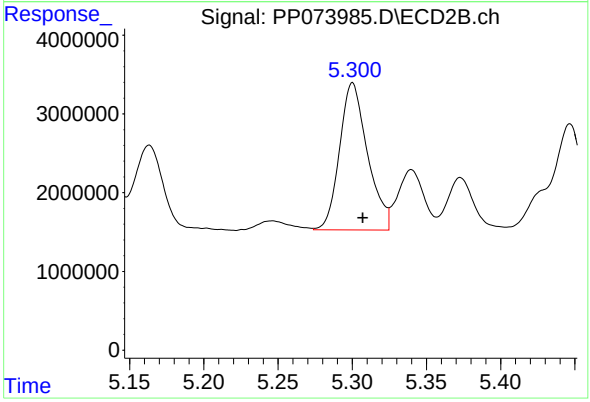
#23 AR-1248-3

R.T.: 5.129 min
Delta R.T.: -0.006 min
Response: 22709464
Conc: 354.48 ng/ml



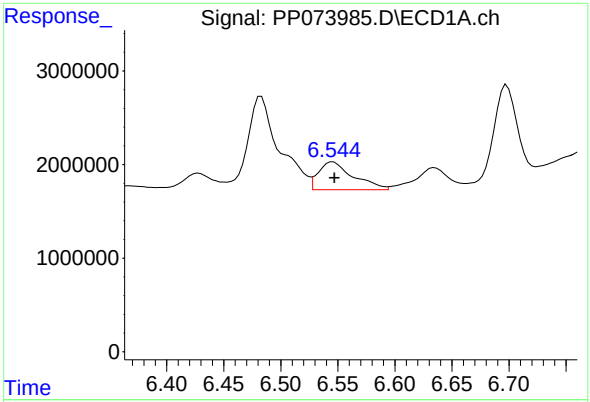
#24 AR-1248-4

R.T.: 6.483 min
Delta R.T.: -0.026 min
Response: 19277292
Conc: 349.98 ng/ml



#24 AR-1248-4

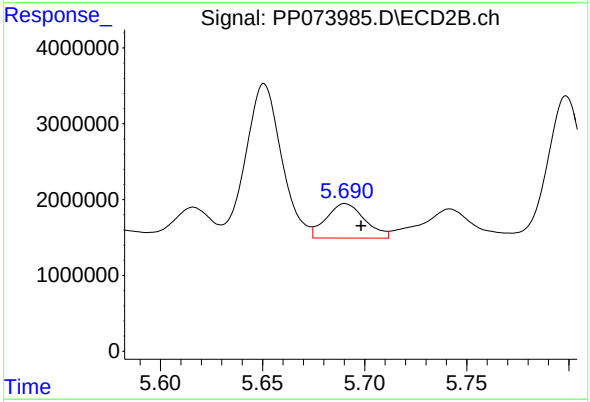
R.T.: 5.300 min
Delta R.T.: -0.007 min
Response: 24543584
Conc: 325.61 ng/ml



#25 AR-1248-5

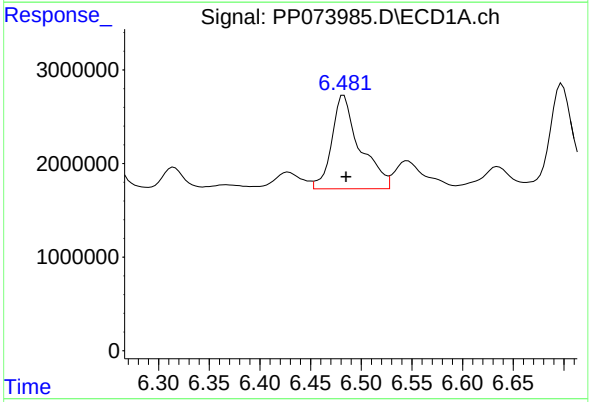
R.T.: 6.546 min
Delta R.T.: -0.001 min
Response: 6319352
Conc: 117.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



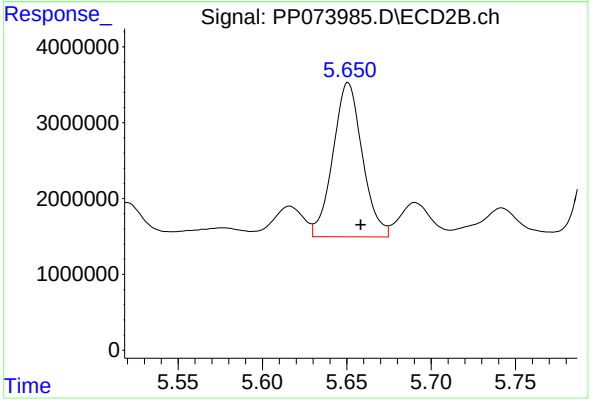
#25 AR-1248-5

R.T.: 5.690 min
Delta R.T.: -0.008 min
Response: 5986328
Conc: 80.26 ng/ml



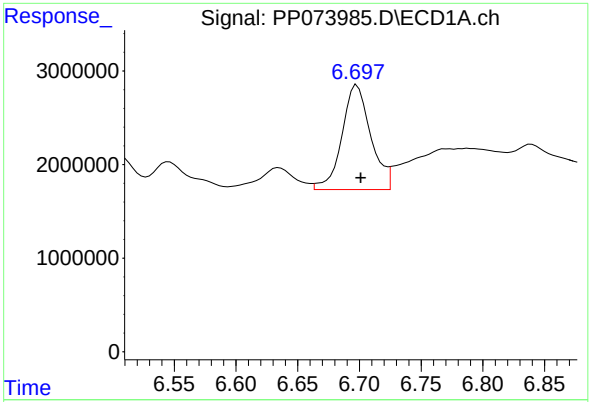
#26 AR-1254-1

R.T.: 6.483 min
Delta R.T.: -0.002 min
Response: 19277292
Conc: 359.72 ng/ml



#26 AR-1254-1

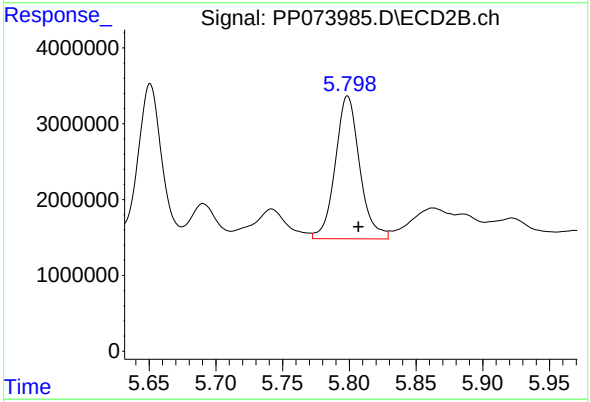
R.T.: 5.651 min
Delta R.T.: -0.007 min
Response: 24658094
Conc: 212.51 ng/ml



#27 AR-1254-2

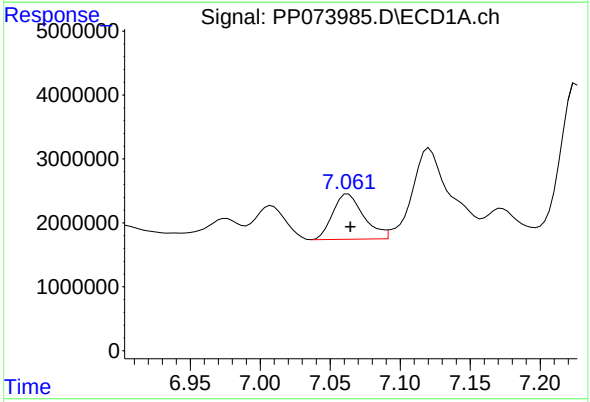
R.T.: 6.698 min
Delta R.T.: -0.003 min
Response: 18157197
Conc: 218.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



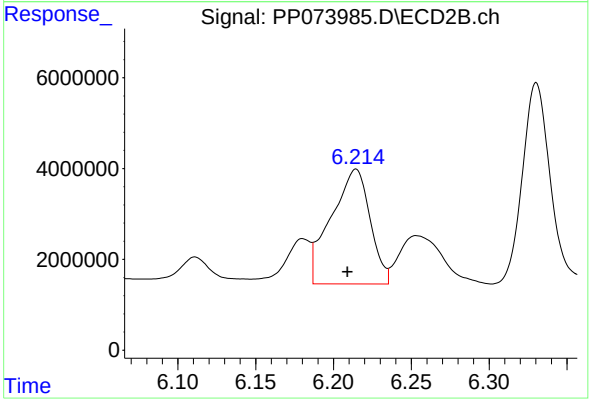
#27 AR-1254-2

R.T.: 5.799 min
Delta R.T.: -0.008 min
Response: 23975260
Conc: 238.27 ng/ml



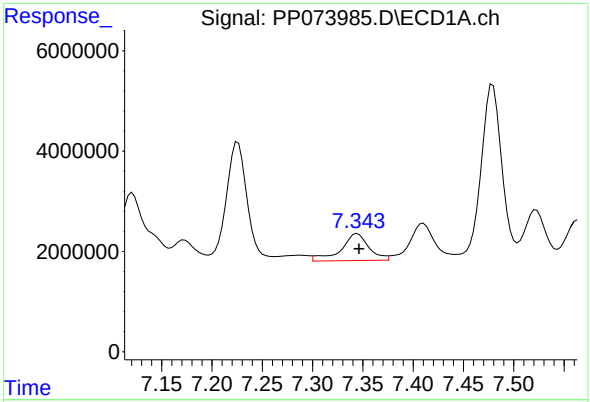
#28 AR-1254-3

R.T.: 7.063 min
Delta R.T.: -0.002 min
Response: 10928576
Conc: 123.72 ng/ml



#28 AR-1254-3

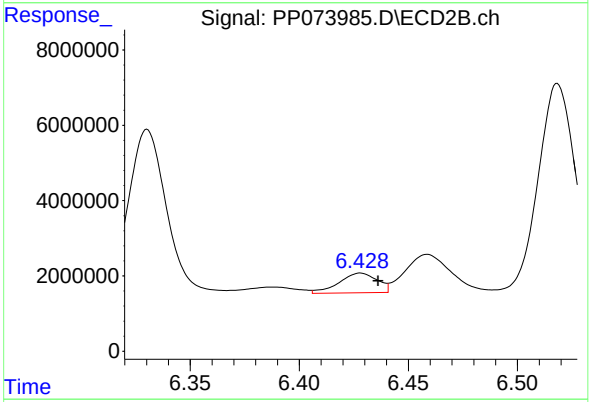
R.T.: 6.214 min
Delta R.T.: 0.006 min
Response: 44083931
Conc: 285.43 ng/ml



#29 AR-1254-4

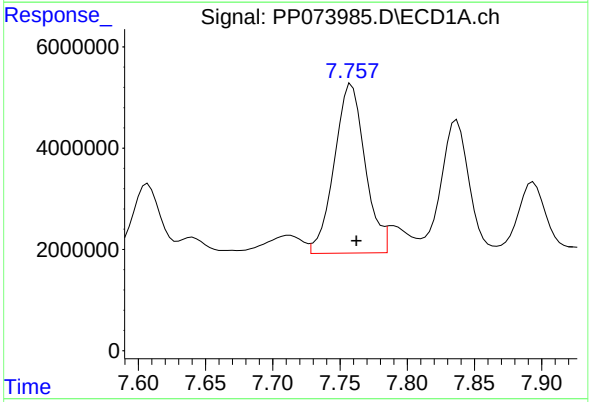
R.T.: 7.344 min
Delta R.T.: -0.002 min
Response: 10348921
Conc: 131.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



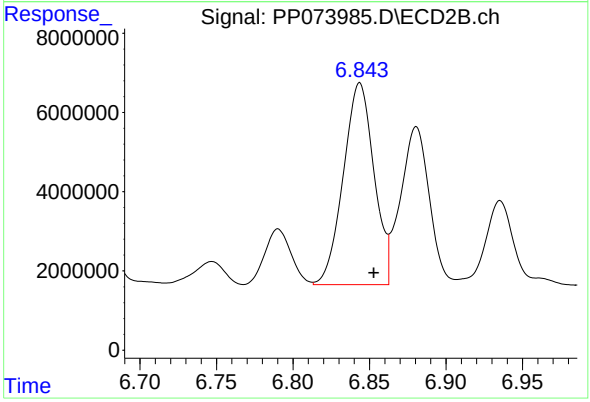
#29 AR-1254-4

R.T.: 6.428 min
Delta R.T.: -0.008 min
Response: 6367228
Conc: 67.34 ng/ml



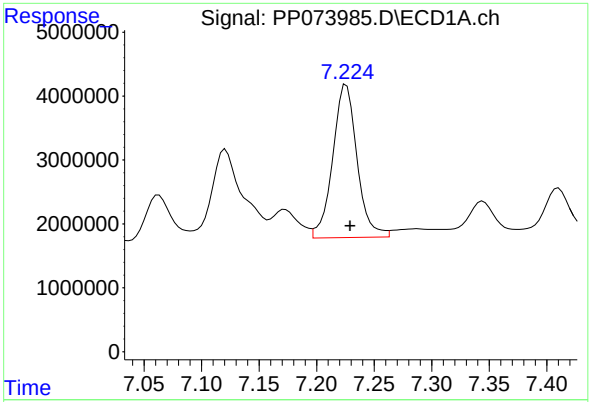
#30 AR-1254-5

R.T.: 7.759 min
Delta R.T.: -0.004 min
Response: 53191433
Conc: 721.93 ng/ml



#30 AR-1254-5

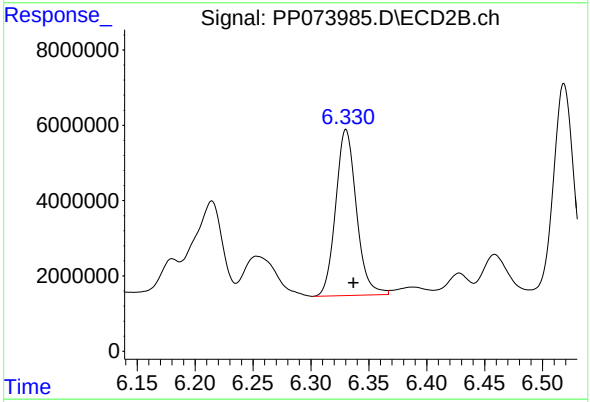
R.T.: 6.844 min
Delta R.T.: -0.009 min
Response: 71090554
Conc: 532.73 ng/ml



#31 AR-1260-1

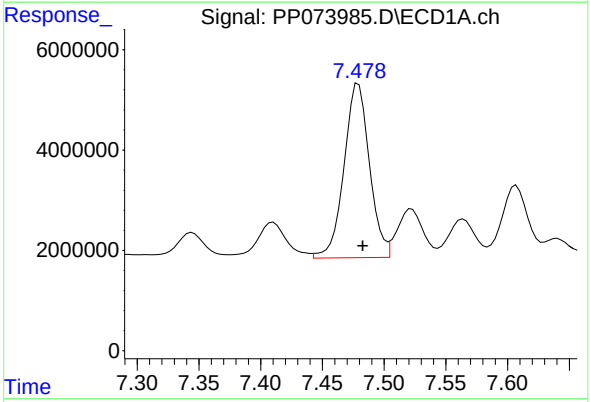
R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 35309050
Conc: 598.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



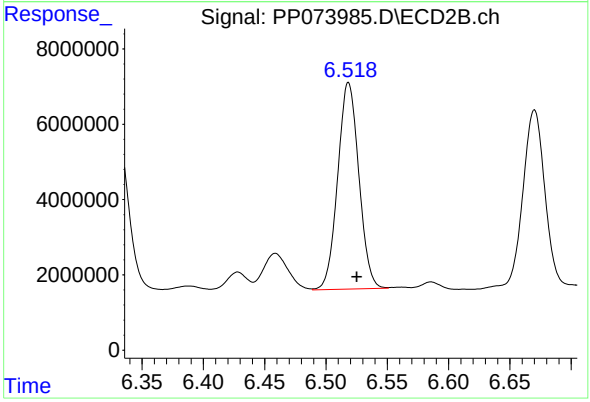
#31 AR-1260-1

R.T.: 6.330 min
Delta R.T.: -0.006 min
Response: 54851085
Conc: 562.23 ng/ml



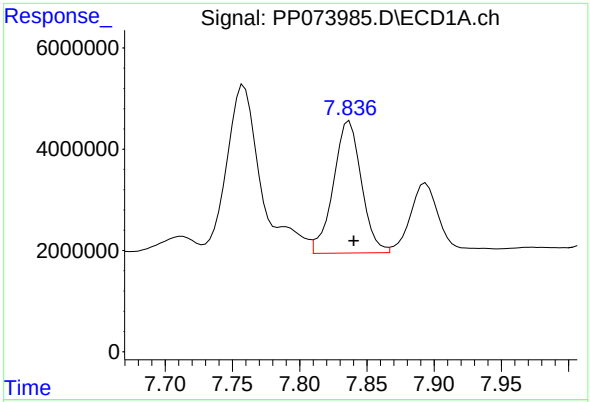
#32 AR-1260-2

R.T.: 7.479 min
Delta R.T.: -0.004 min
Response: 49841976
Conc: 520.05 ng/ml



#32 AR-1260-2

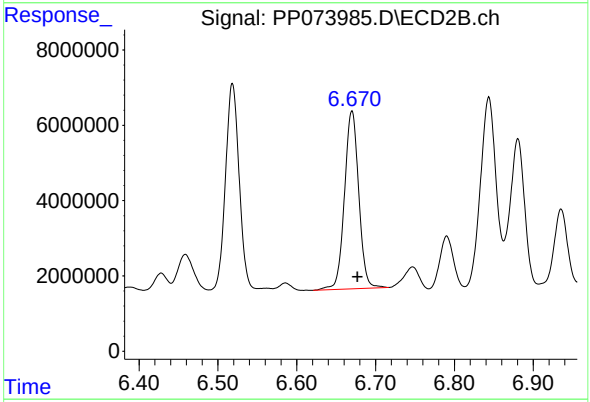
R.T.: 6.518 min
Delta R.T.: -0.007 min
Response: 65815583
Conc: 535.79 ng/ml



#33 AR-1260-3

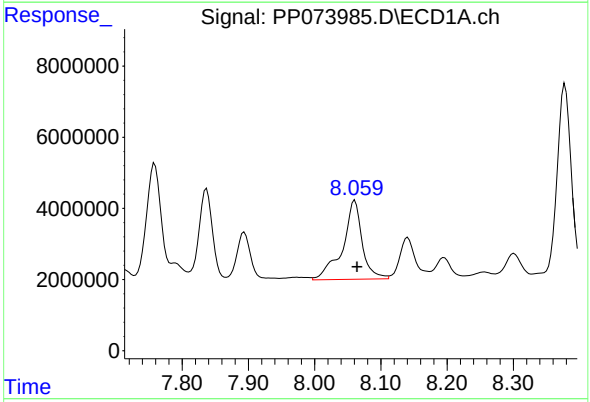
R.T.: 7.837 min
Delta R.T.: -0.003 min
Response: 37810191
Conc: 517.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



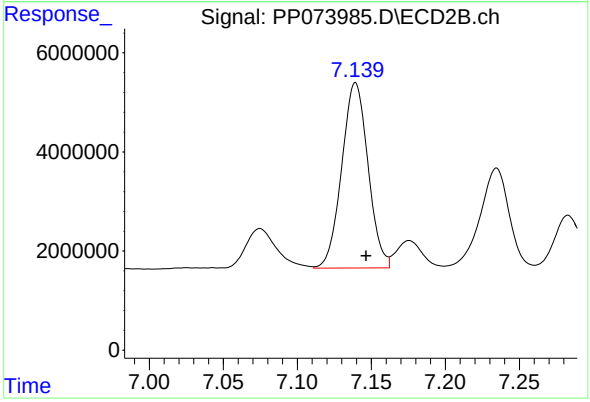
#33 AR-1260-3

R.T.: 6.670 min
Delta R.T.: -0.007 min
Response: 59476912
Conc: 543.35 ng/ml



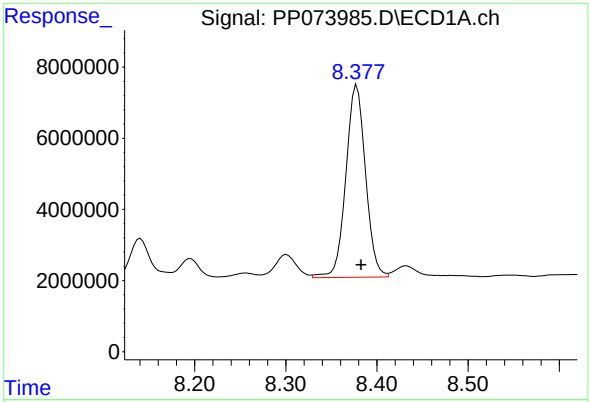
#34 AR-1260-4

R.T.: 8.061 min
Delta R.T.: -0.004 min
Response: 45575779
Conc: 697.95 ng/ml



#34 AR-1260-4

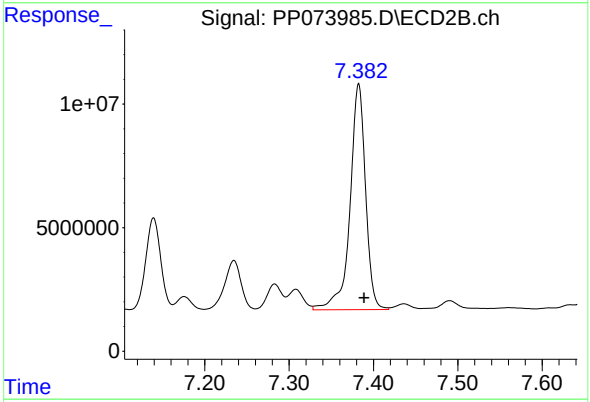
R.T.: 7.139 min
Delta R.T.: -0.007 min
Response: 46277558
Conc: 517.60 ng/ml



#35 AR-1260-5

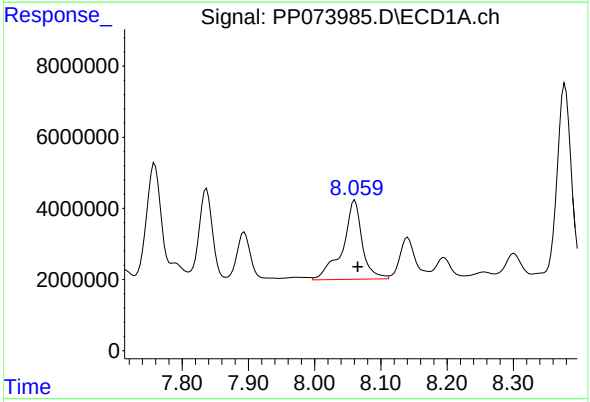
R.T.: 8.378 min
Delta R.T.: -0.005 min
Response: 80997949
Conc: 536.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



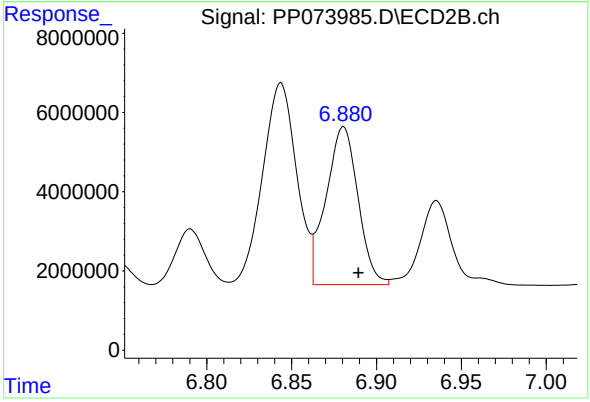
#35 AR-1260-5

R.T.: 7.383 min
Delta R.T.: -0.006 min
Response: 116992994
Conc: 520.58 ng/ml



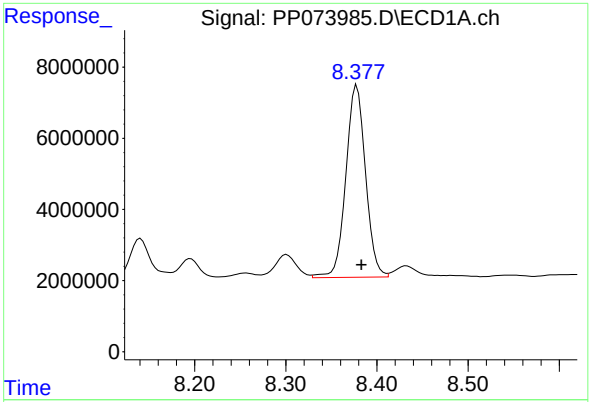
#36 AR-1262-1

R.T.: 8.061 min
Delta R.T.: -0.004 min
Response: 45575779
Conc: 523.70 ng/ml



#36 AR-1262-1

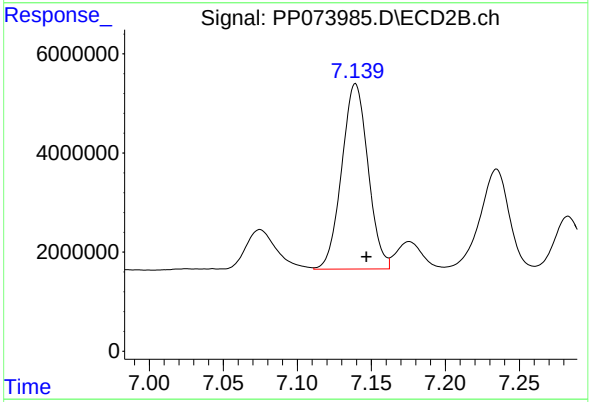
R.T.: 6.881 min
Delta R.T.: -0.009 min
Response: 52214863
Conc: 353.54 ng/ml



#37 AR-1262-2

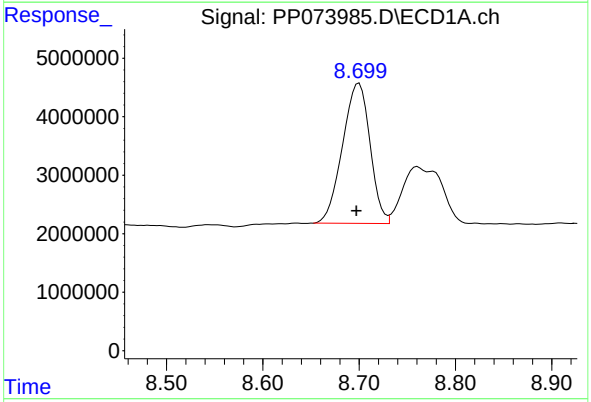
R.T.: 8.378 min
Delta R.T.: -0.005 min
Response: 80997949
Conc: 409.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



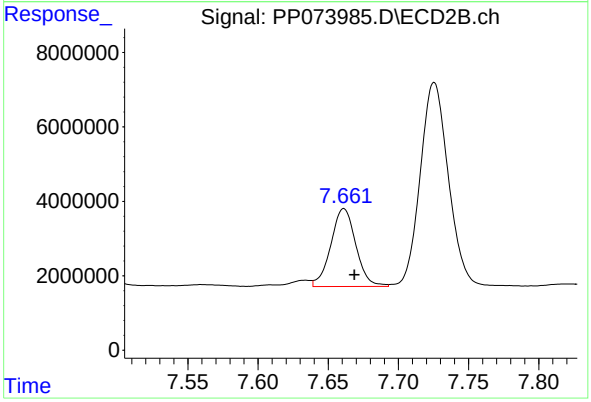
#37 AR-1262-2

R.T.: 7.139 min
Delta R.T.: -0.007 min
Response: 46277558
Conc: 362.03 ng/ml



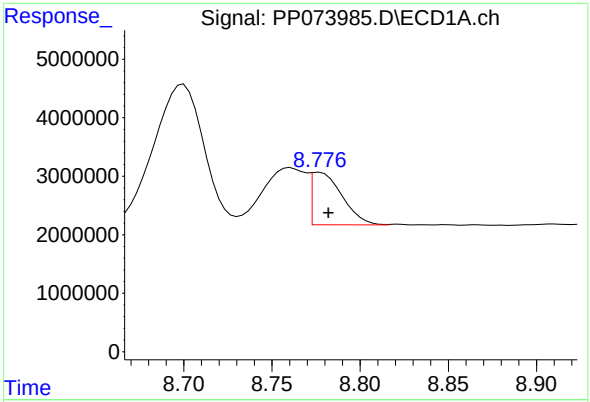
#38 AR-1262-3

R.T.: 8.700 min
Delta R.T.: 0.003 min
Response: 47490444
Conc: 377.73 ng/ml



#38 AR-1262-3

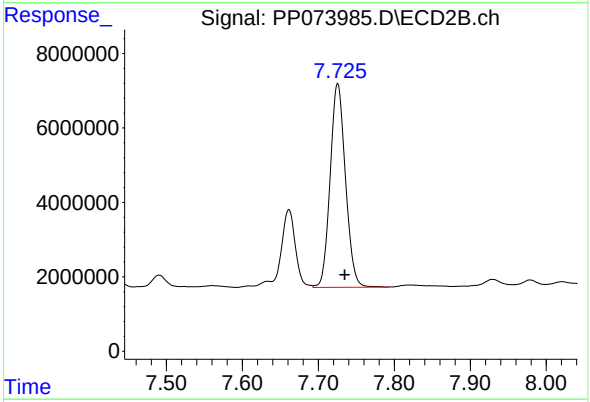
R.T.: 7.661 min
Delta R.T.: -0.008 min
Response: 26041835
Conc: 228.40 ng/ml



#39 AR-1262-4

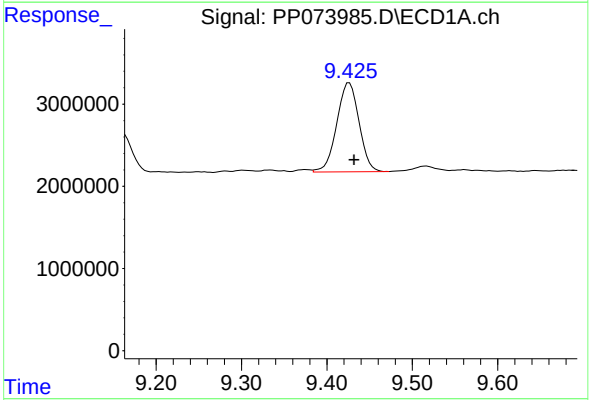
R.T.: 8.777 min
Delta R.T.: -0.005 min
Response: 10905481
Conc: 116.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



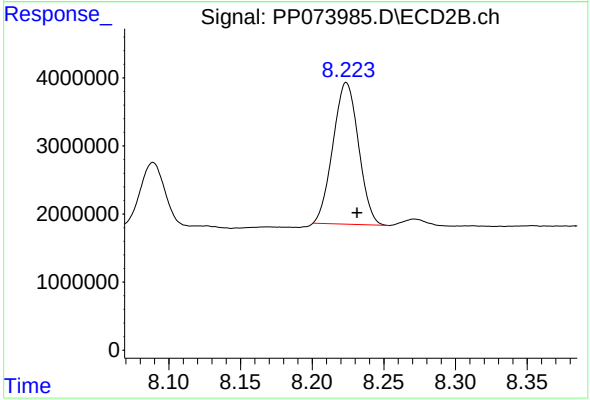
#39 AR-1262-4

R.T.: 7.726 min
Delta R.T.: -0.009 min
Response: 76651297
Conc: 416.47 ng/ml



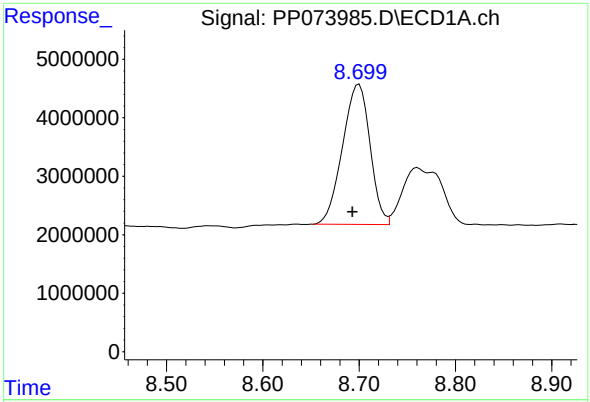
#40 AR-1262-5

R.T.: 9.426 min
Delta R.T.: -0.005 min
Response: 19633340
Conc: 309.73 ng/ml



#40 AR-1262-5

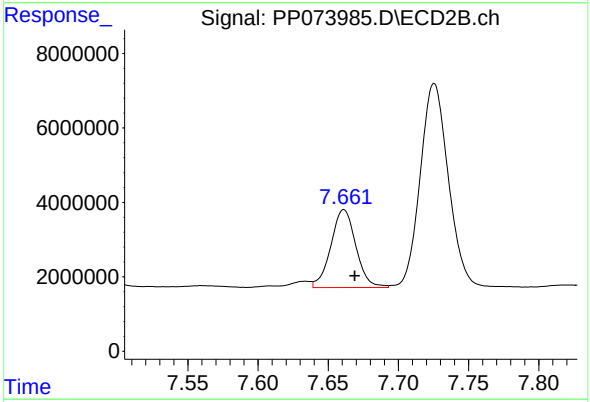
R.T.: 8.224 min
Delta R.T.: -0.008 min
Response: 25848025
Conc: 306.13 ng/ml



#41 AR-1268-1

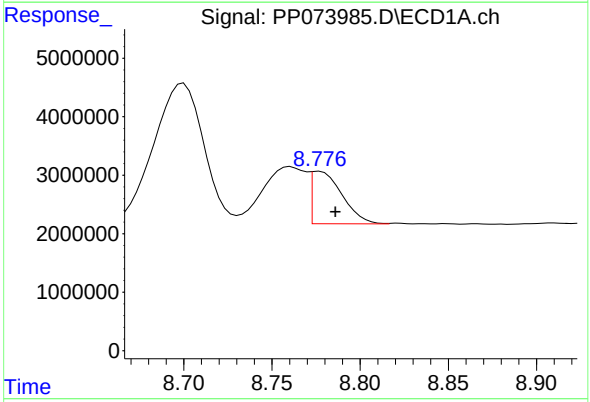
R.T.: 8.700 min
Delta R.T.: 0.007 min
Response: 47490444
Conc: 212.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



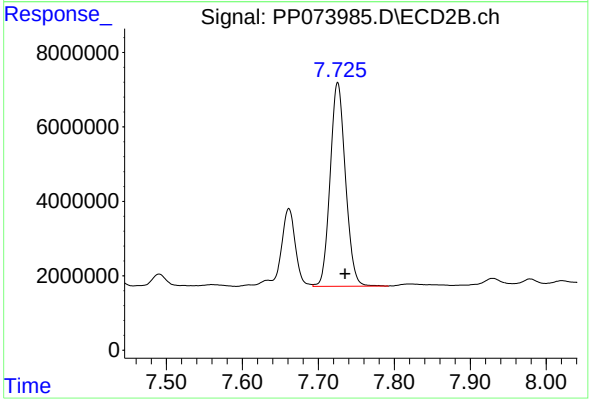
#41 AR-1268-1

R.T.: 7.661 min
Delta R.T.: -0.008 min
Response: 26041835
Conc: 84.72 ng/ml



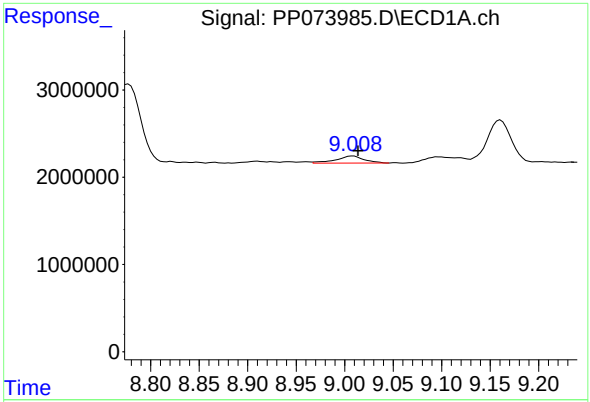
#42 AR-1268-2

R.T.: 8.777 min
Delta R.T.: -0.009 min
Response: 10905481
Conc: 57.25 ng/ml



#42 AR-1268-2

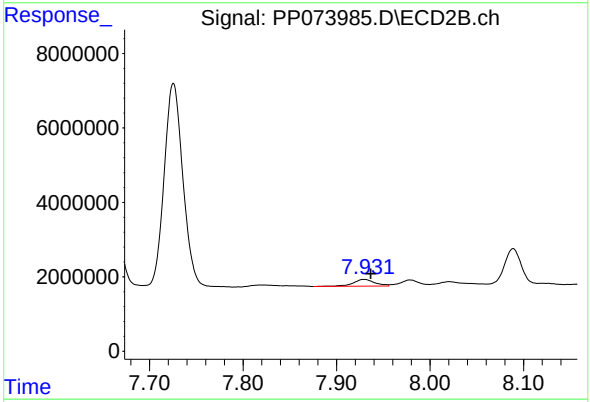
R.T.: 7.726 min
Delta R.T.: -0.010 min
Response: 76651297
Conc: 288.50 ng/ml



#43 AR-1268-3

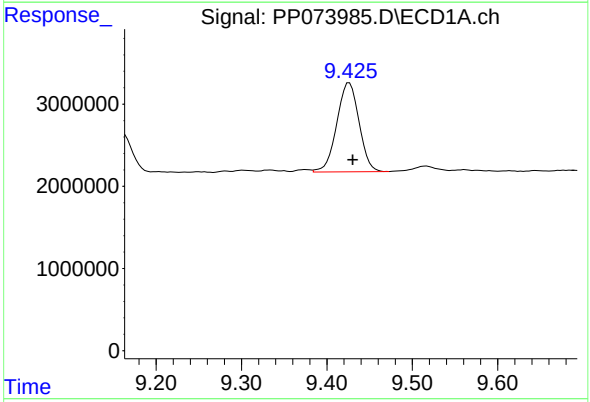
R.T.: 9.009 min
Delta R.T.: -0.005 min
Response: 1635702
Conc: 9.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



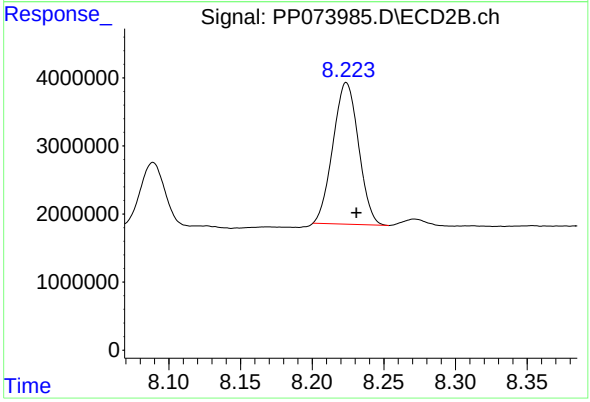
#43 AR-1268-3

R.T.: 7.930 min
Delta R.T.: -0.007 min
Response: 2877785
Conc: 12.76 ng/ml



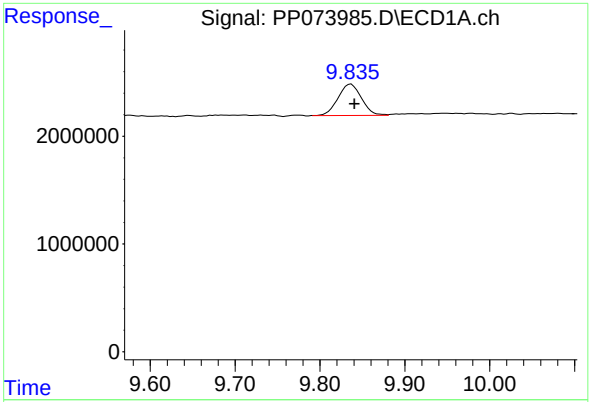
#44 AR-1268-4

R.T.: 9.426 min
Delta R.T.: -0.004 min
Response: 19633340
Conc: 282.32 ng/ml



#44 AR-1268-4

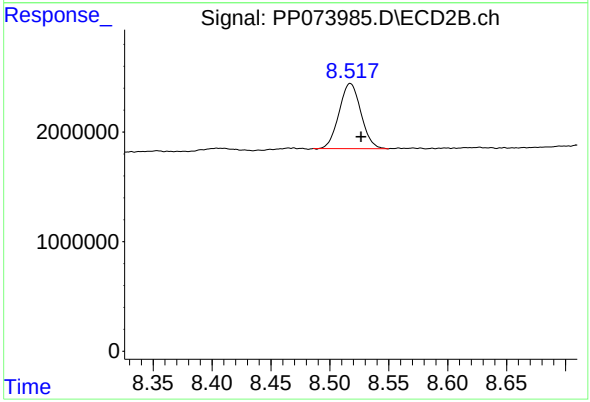
R.T.: 8.224 min
Delta R.T.: -0.007 min
Response: 25848025
Conc: 278.03 ng/ml



#45 AR-1268-5

R.T.: 9.836 min
Delta R.T.: -0.004 min
Response: 5572340
Conc: 12.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
RT2286MSD



#45 AR-1268-5

R.T.: 8.517 min
Delta R.T.: -0.009 min
Response: 7686741
Conc: 12.47 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:57
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 04:07:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	46963295	53782078	5.671	5.742
2)	SA Decachlor...	8.500	7.540	28213962	51161432	6.152	6.288
	Target Compounds						
3)	L1 AR-1016-1	4.484	3.781	16798217	20431733	66.772	68.132
4)	L1 AR-1016-2	4.502	3.797	24941743	29321570	64.999	66.016
5)	L1 AR-1016-3	4.560	3.957	15840205	16603370	65.890	66.088
6)	L1 AR-1016-4	4.649	4.006	12700473	14958235	64.511	68.706
7)	L1 AR-1016-5	4.934	4.201	12817332	17247524	65.966	67.909
31)	L7 AR-1260-1	6.024	5.194	23884998	33945266	73.474	73.710
32)	L7 AR-1260-2	6.280	5.383	27399868	37372124	72.022	69.072
33)	L7 AR-1260-3	6.631	5.525	19016498	35075317	66.468	67.733
34)	L7 AR-1260-4	6.845	5.985	20767504	29283256	66.398	68.110
35)	L7 AR-1260-5	7.151	6.229	39147781	61280973	63.782	59.874

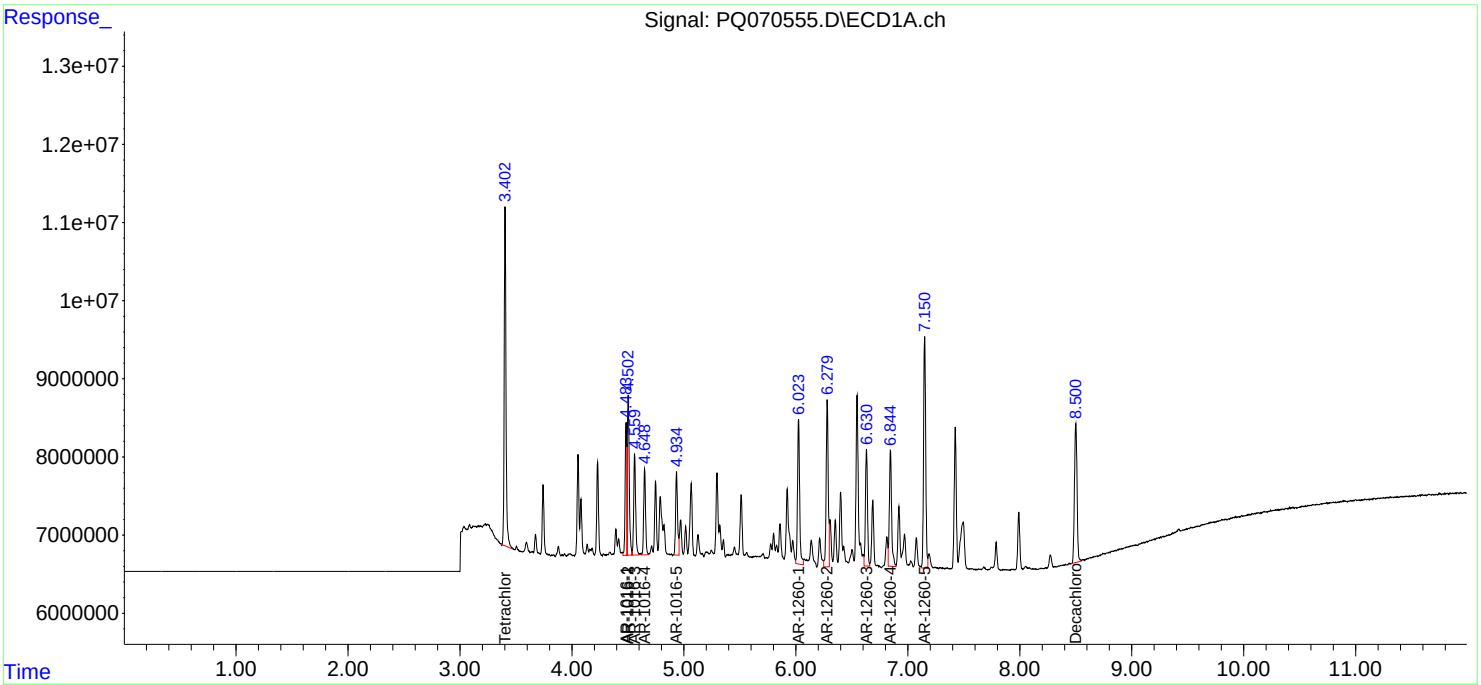
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

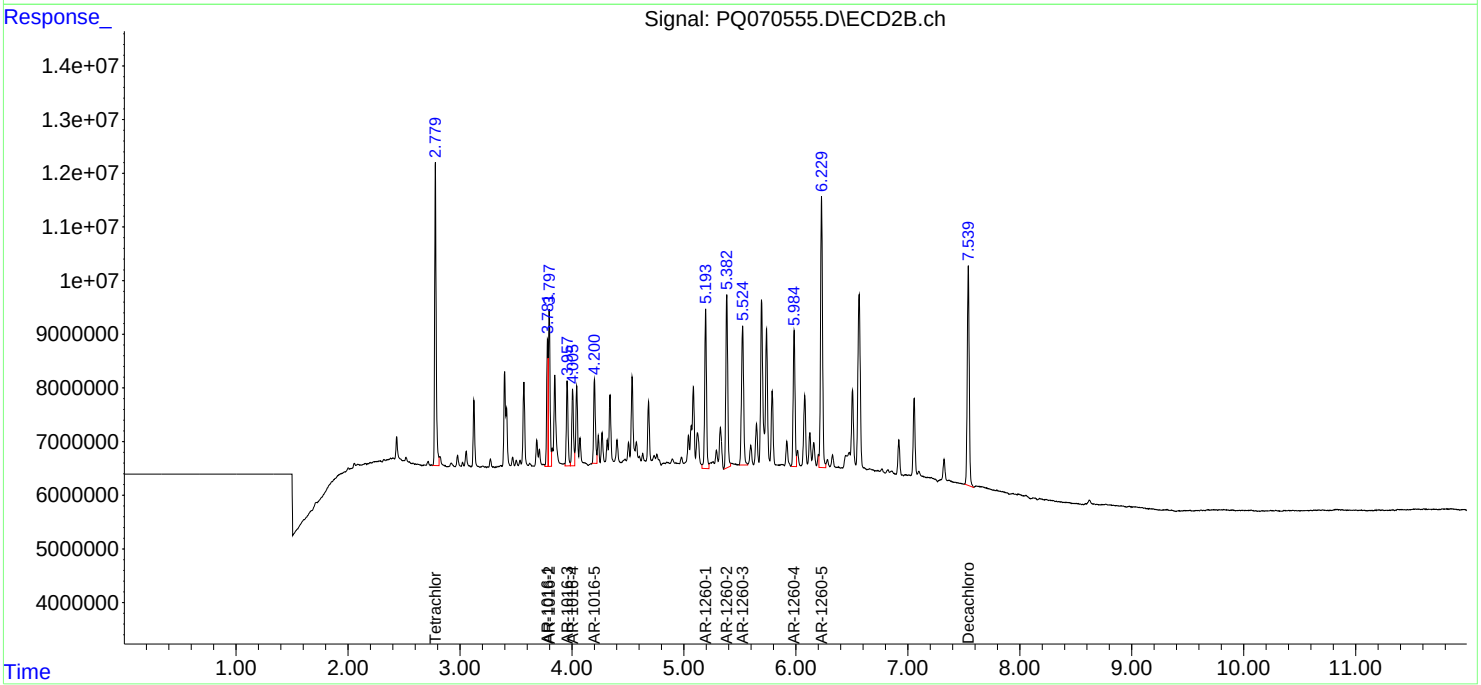
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:57
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

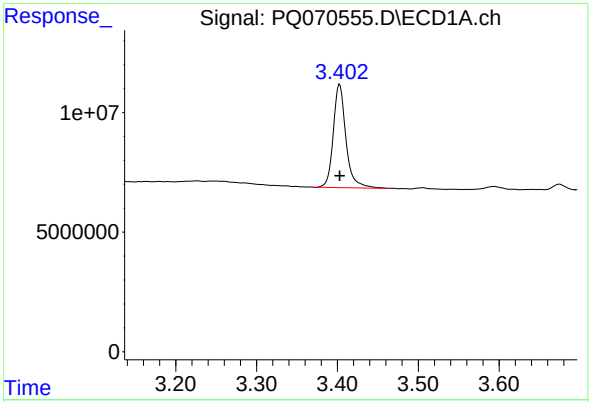
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 04:07:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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



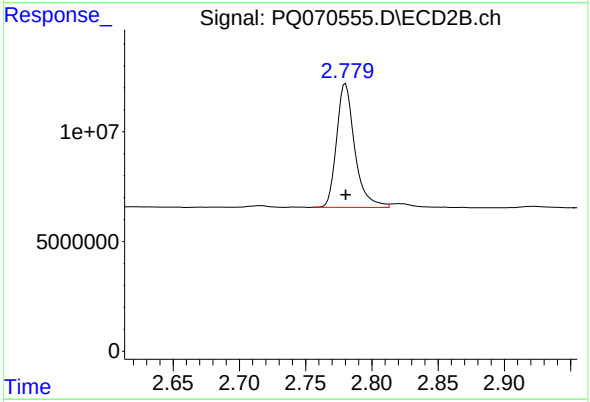




#1 Tetrachloro-m-xylene

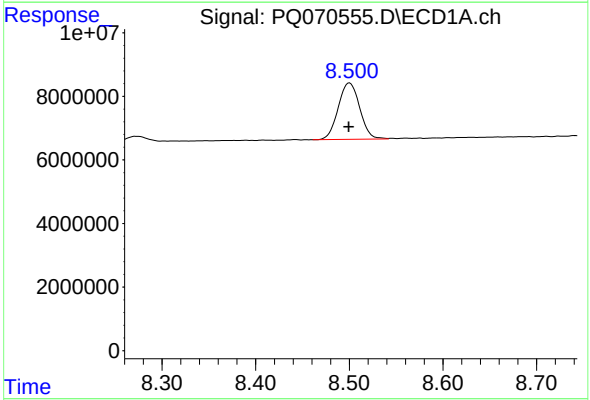
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 46963295
Conc: 5.67 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050



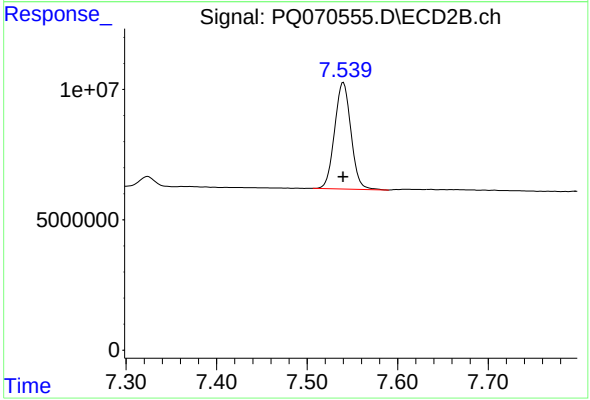
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 53782078
Conc: 5.74 ng/ml



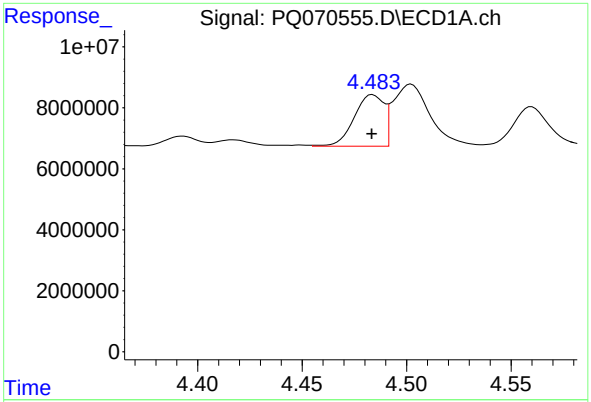
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 28213962
Conc: 6.15 ng/ml



#2 Decachlorobiphenyl

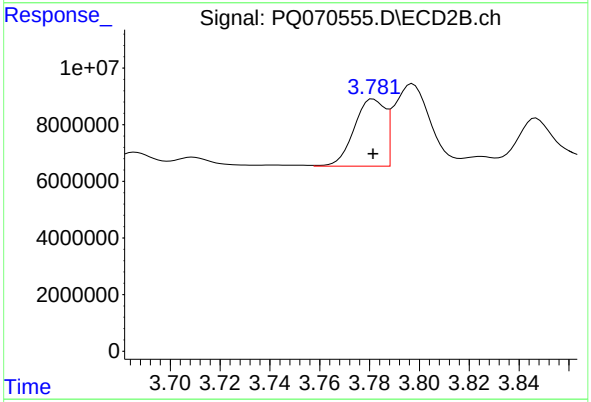
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 51161432
Conc: 6.29 ng/ml



#3 AR-1016-1

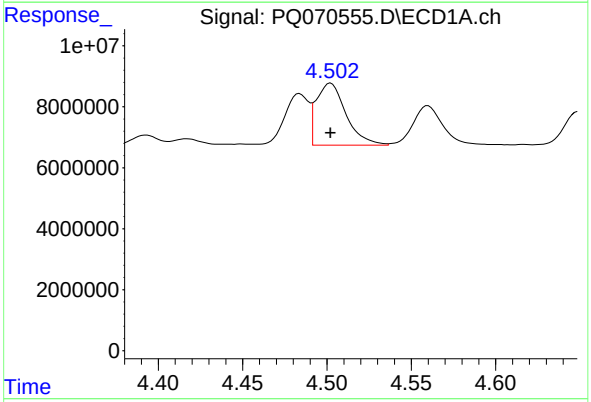
R.T.: 4.484 min
Delta R.T.: 0.000 min
Response: 16798217
Conc: 66.77 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050



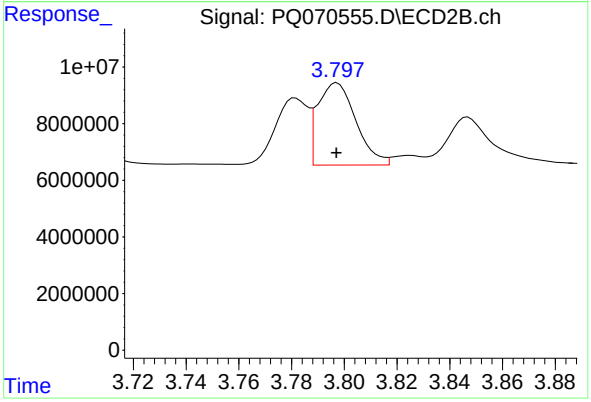
#3 AR-1016-1

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 20431733
Conc: 68.13 ng/ml



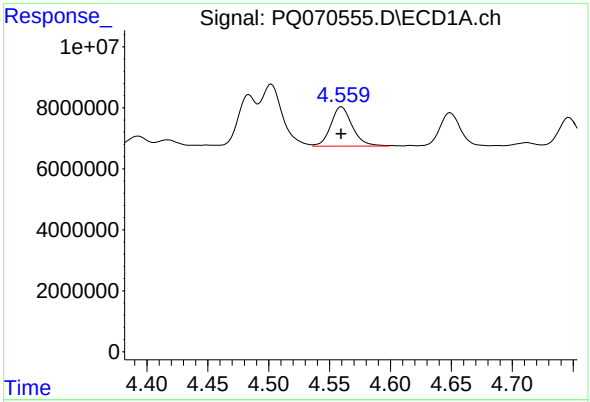
#4 AR-1016-2

R.T.: 4.502 min
Delta R.T.: 0.000 min
Response: 24941743
Conc: 65.00 ng/ml



#4 AR-1016-2

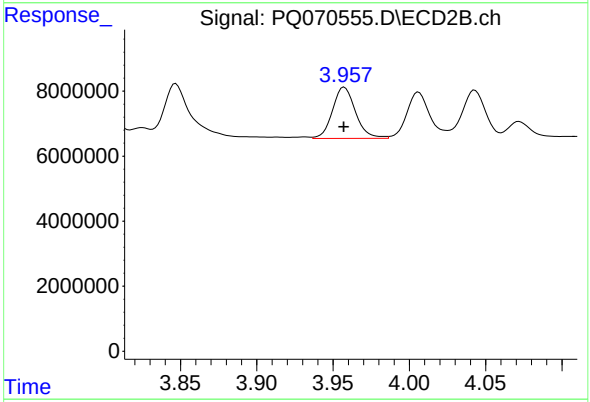
R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 29321570
Conc: 66.02 ng/ml



#5 AR-1016-3

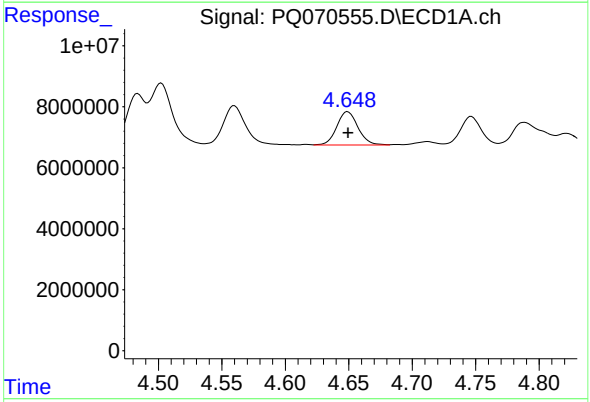
R.T.: 4.560 min
Delta R.T.: 0.000 min
Response: 15840205
Conc: 65.89 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050



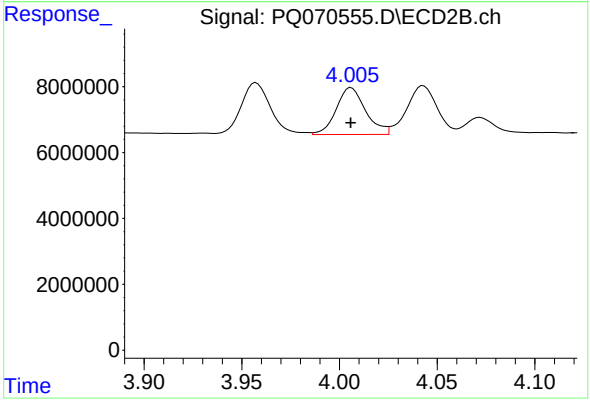
#5 AR-1016-3

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 16603370
Conc: 66.09 ng/ml



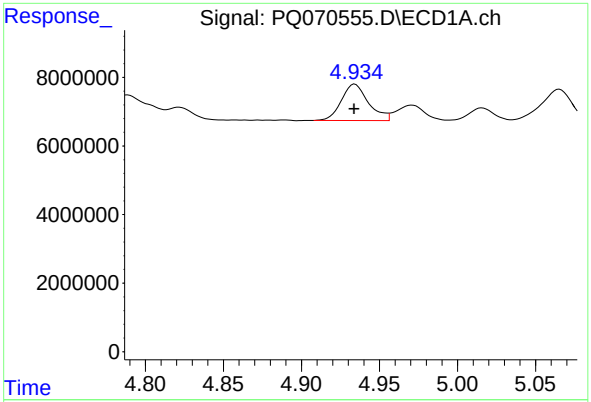
#6 AR-1016-4

R.T.: 4.649 min
Delta R.T.: 0.000 min
Response: 12700473
Conc: 64.51 ng/ml



#6 AR-1016-4

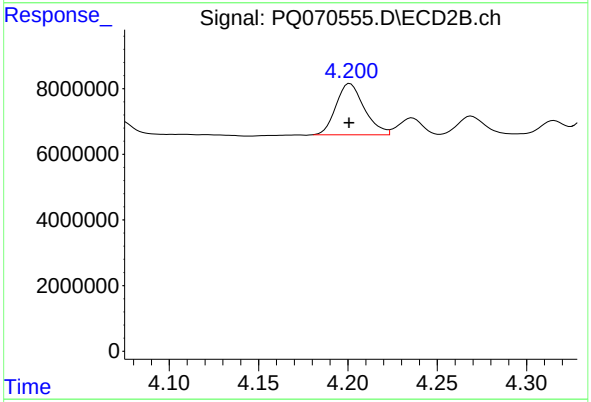
R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 14958235
Conc: 68.71 ng/ml



#7 AR-1016-5

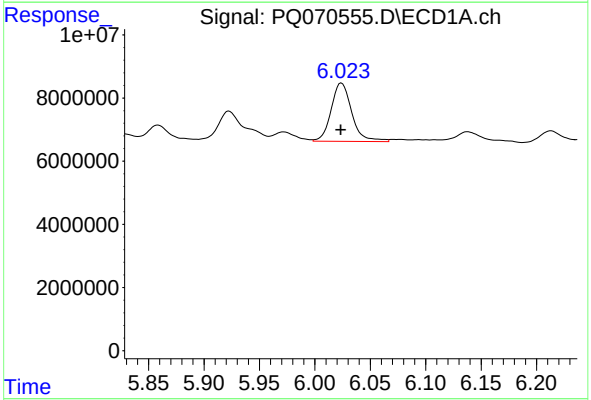
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 12817332
Conc: 65.97 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050



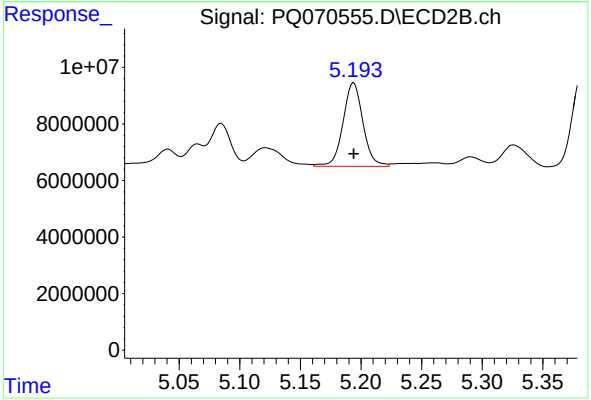
#7 AR-1016-5

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 17247524
Conc: 67.91 ng/ml



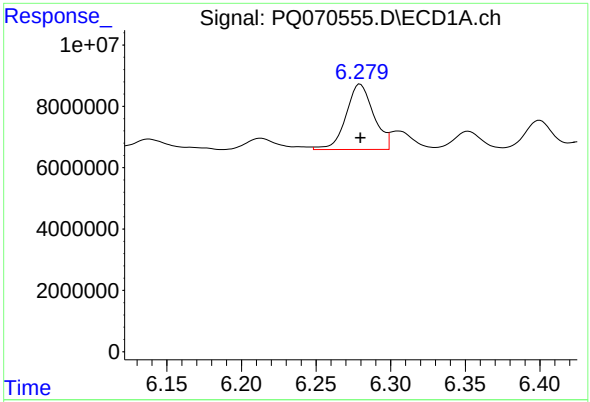
#31 AR-1260-1

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 23884998
Conc: 73.47 ng/ml



#31 AR-1260-1

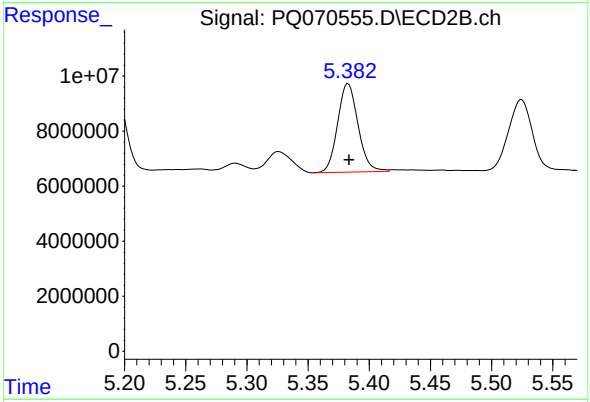
R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 33945266
Conc: 73.71 ng/ml



#32 AR-1260-2

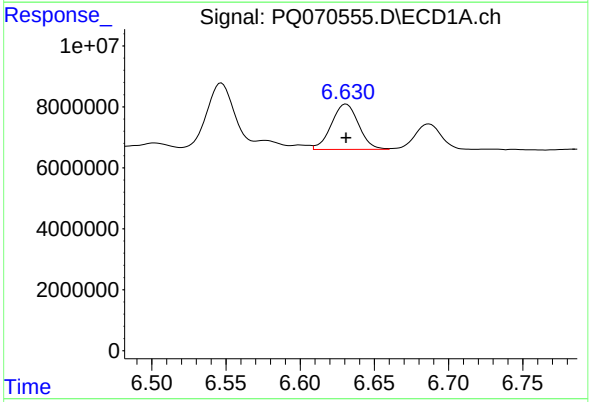
R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 27399868
Conc: 72.02 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050



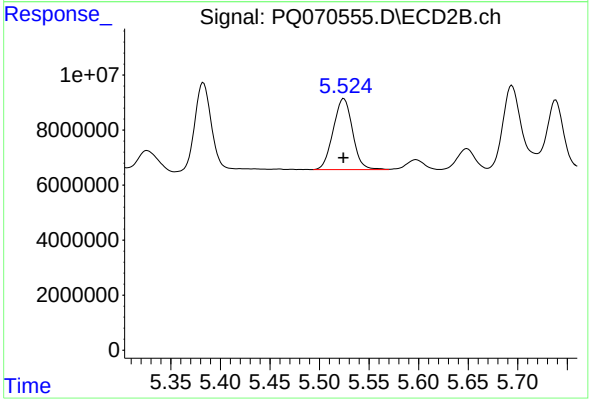
#32 AR-1260-2

R.T.: 5.383 min
Delta R.T.: 0.000 min
Response: 37372124
Conc: 69.07 ng/ml



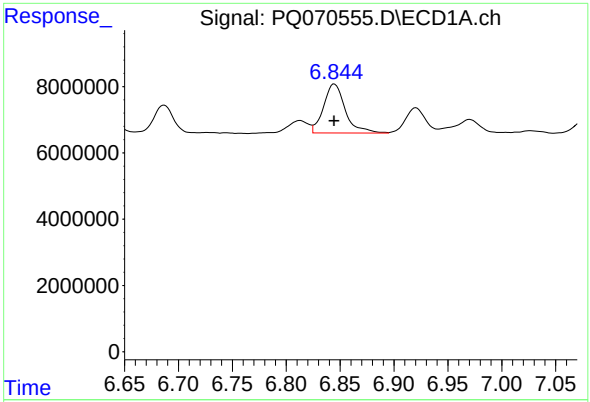
#33 AR-1260-3

R.T.: 6.631 min
Delta R.T.: 0.000 min
Response: 19016498
Conc: 66.47 ng/ml



#33 AR-1260-3

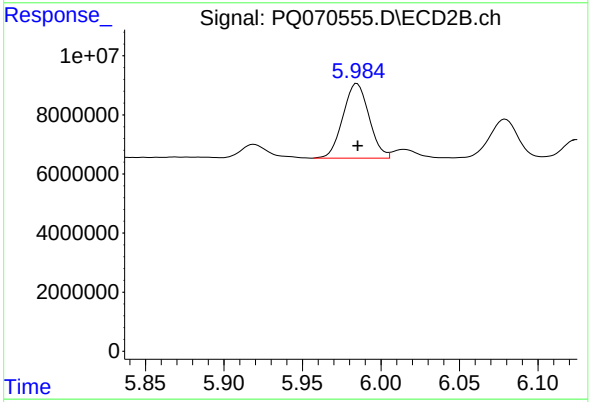
R.T.: 5.525 min
Delta R.T.: 0.000 min
Response: 35075317
Conc: 67.73 ng/ml



#34 AR-1260-4

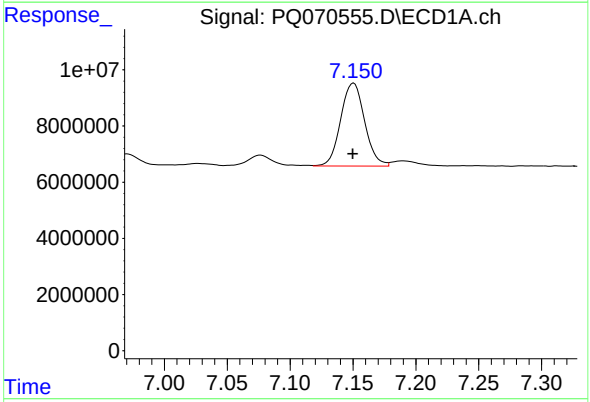
R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 20767504
Conc: 66.40 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050



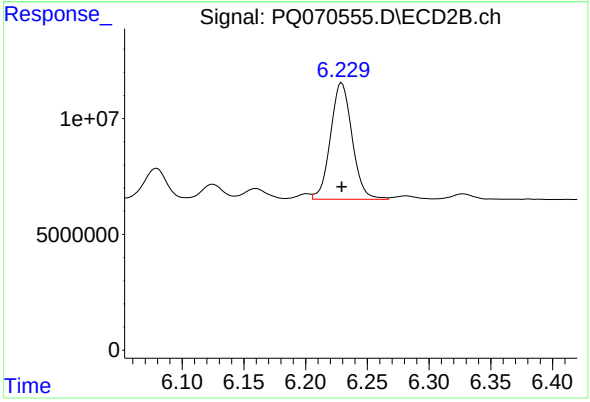
#34 AR-1260-4

R.T.: 5.985 min
Delta R.T.: 0.000 min
Response: 29283256
Conc: 68.11 ng/ml



#35 AR-1260-5

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 39147781
Conc: 63.78 ng/ml



#35 AR-1260-5

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 61280973
Conc: 59.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 08:52
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:07:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:06:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.403	2.780	33870701	39980118	4.174	4.231
2)	SA Decachlor...	8.502	7.540	20865183	40415408	4.632	5.083
	Target Compounds						
26)	L6 AR-1254-1	5.295	4.537	15481846	29461840	51.648	58.152
27)	L6 AR-1254-2	5.511	4.684	21097515	25217197	46.479	57.089
28)	L6 AR-1254-3	5.858	5.065	22058640	34997794	47.174	50.158
29)	L6 AR-1254-4	6.138	5.291	16715291	20006214	51.544	48.279
30)	L6 AR-1254-5	6.547	5.695	17045976	29608461	46.642	47.108

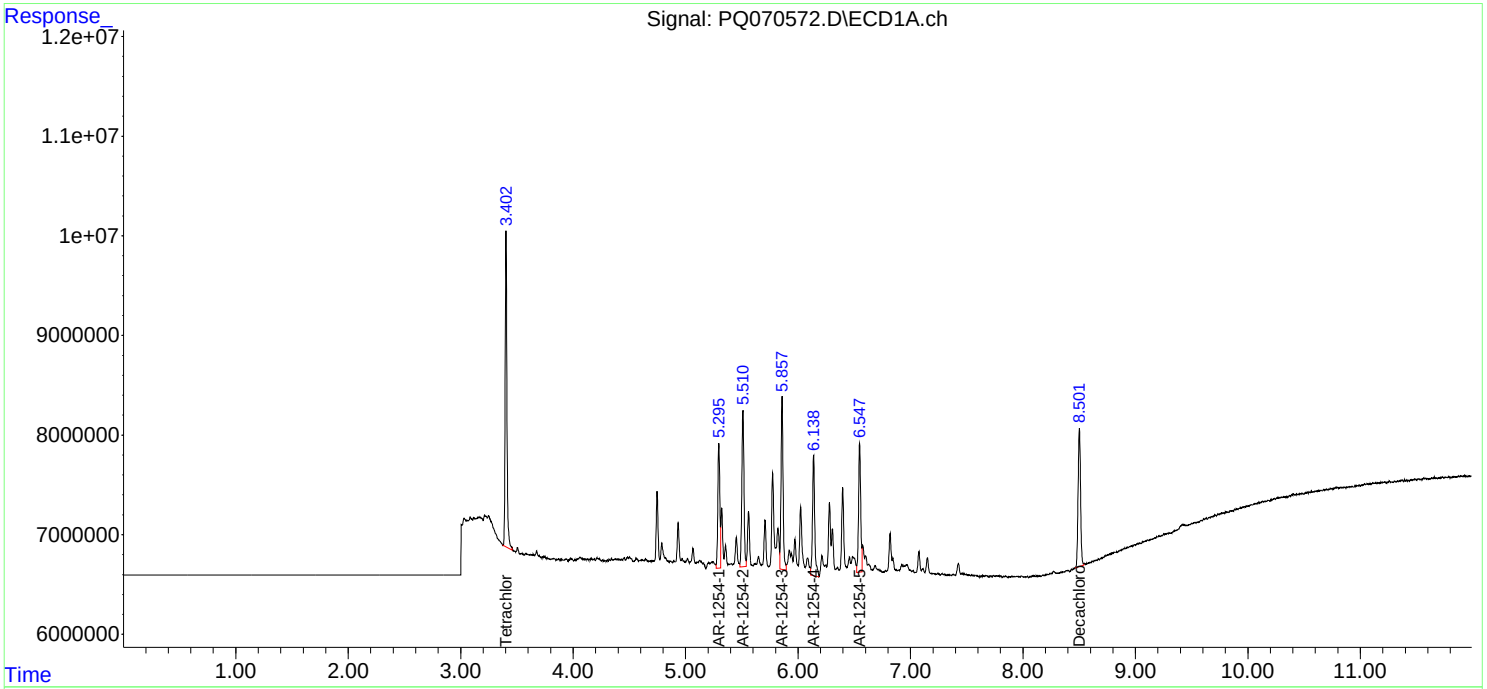
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

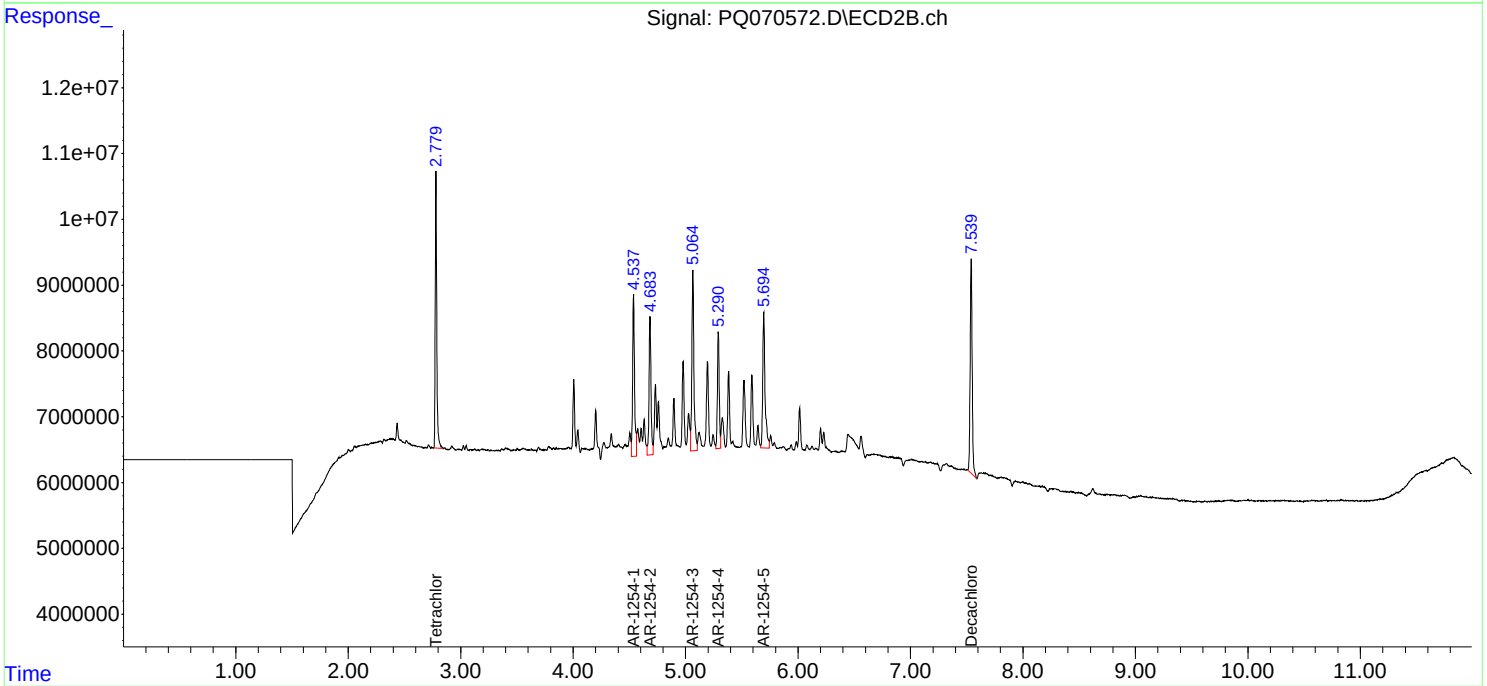
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 08:52
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

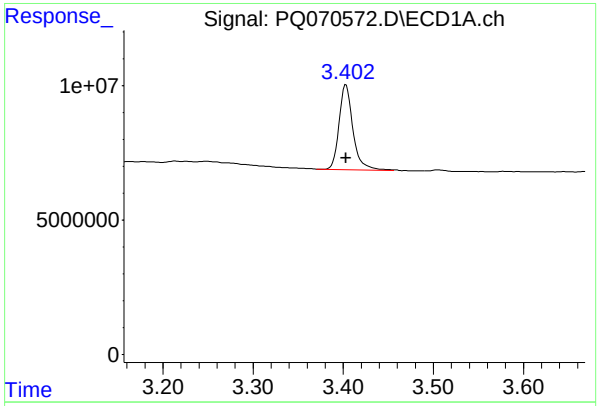
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:07:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:06:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



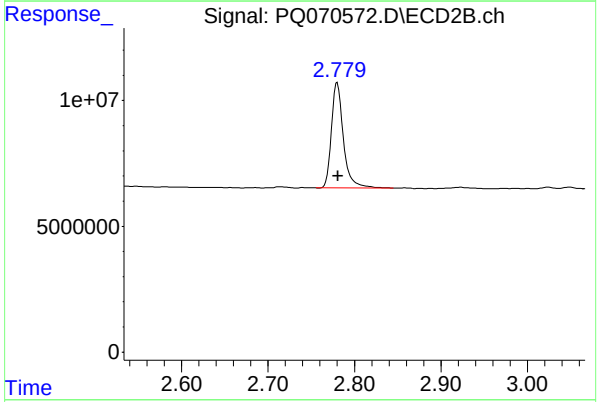




#1 Tetrachloro-m-xylene

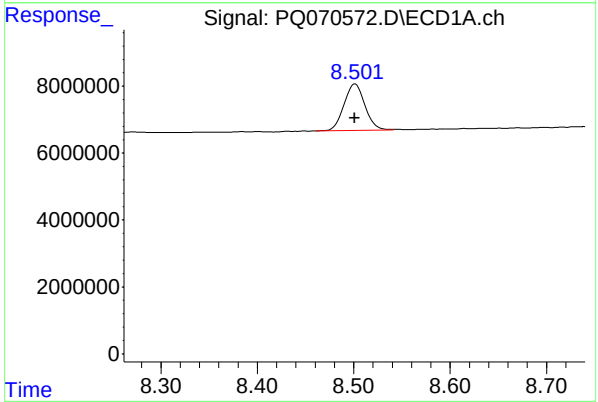
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 33870701
Conc: 4.17 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050



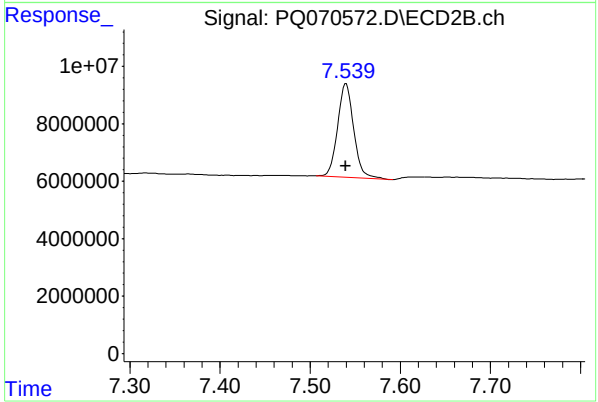
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 39980118
Conc: 4.23 ng/ml



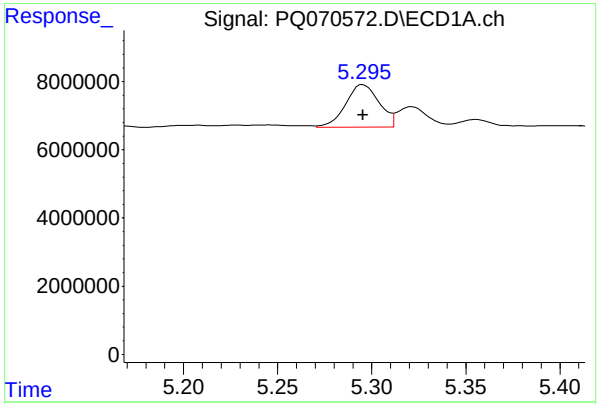
#2 Decachlorobiphenyl

R.T.: 8.502 min
Delta R.T.: 0.000 min
Response: 20865183
Conc: 4.63 ng/ml



#2 Decachlorobiphenyl

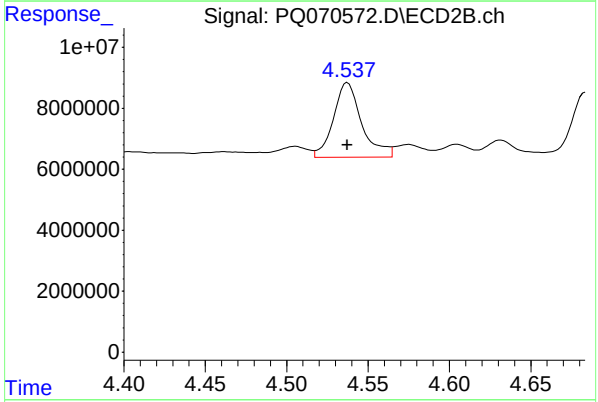
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 40415408
Conc: 5.08 ng/ml



#26 AR-1254-1

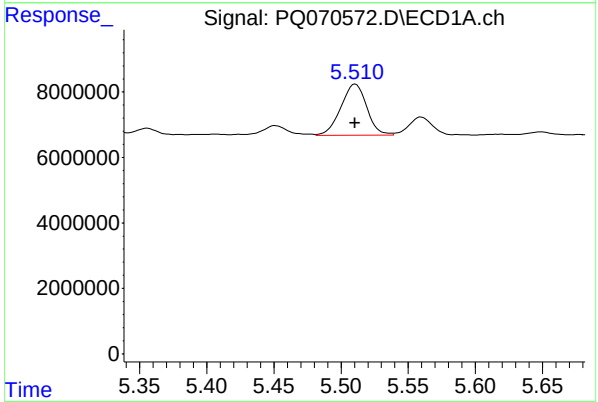
R.T.: 5.295 min
Delta R.T.: 0.000 min
Response: 15481846
Conc: 51.65 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050



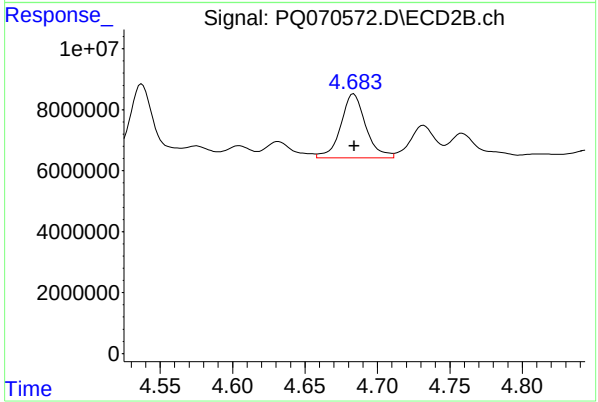
#26 AR-1254-1

R.T.: 4.537 min
Delta R.T.: 0.000 min
Response: 29461840
Conc: 58.15 ng/ml



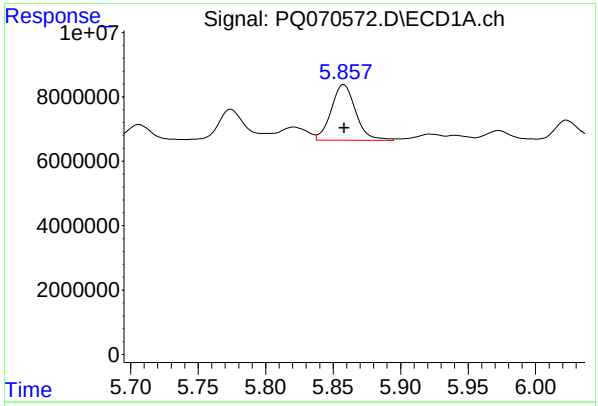
#27 AR-1254-2

R.T.: 5.511 min
Delta R.T.: 0.000 min
Response: 21097515
Conc: 46.48 ng/ml



#27 AR-1254-2

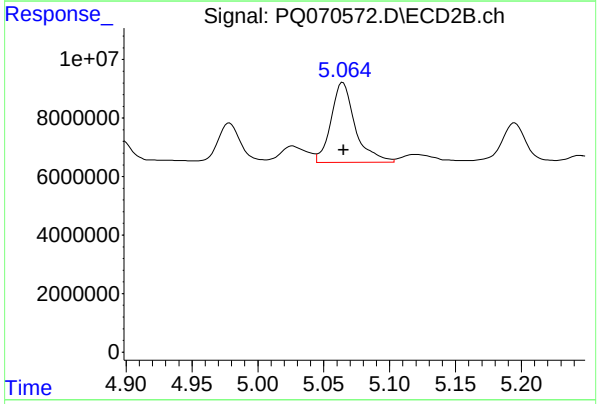
R.T.: 4.684 min
Delta R.T.: 0.000 min
Response: 25217197
Conc: 57.09 ng/ml



#28 AR-1254-3

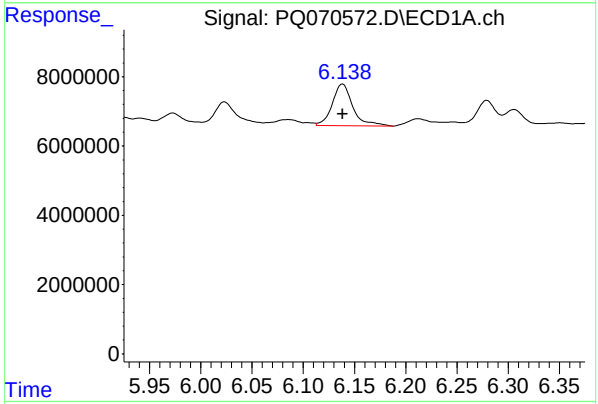
R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 22058640
Conc: 47.17 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050



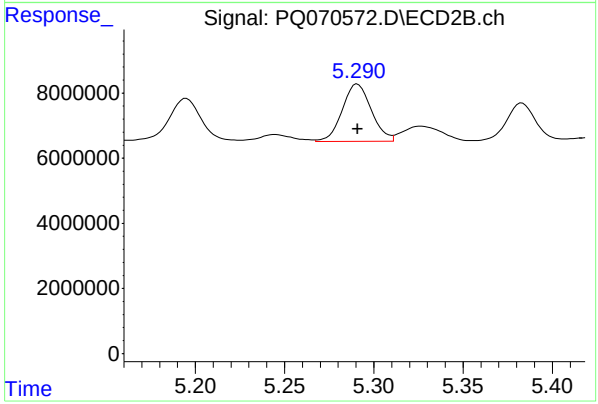
#28 AR-1254-3

R.T.: 5.065 min
Delta R.T.: 0.000 min
Response: 34997794
Conc: 50.16 ng/ml



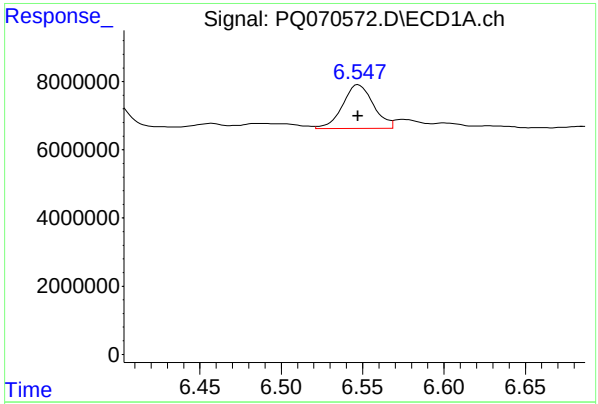
#29 AR-1254-4

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 16715291
Conc: 51.54 ng/ml



#29 AR-1254-4

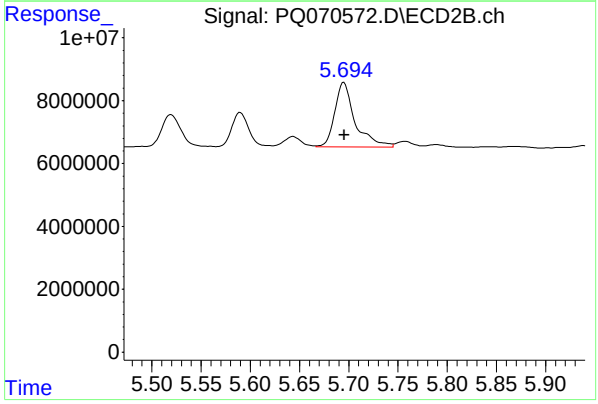
R.T.: 5.291 min
Delta R.T.: 0.000 min
Response: 20006214
Conc: 48.28 ng/ml



#30 AR-1254-5

R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 17045976
Conc: 46.64 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 5.695 min
Delta R.T.: 0.000 min
Response: 29608461
Conc: 47.11 ng/ml