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

Cover Page

Order ID : Q1984

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1984-01	OU4-PCS-TC-33-050725
Q1984-02	OU4-PCS-TC-33-050725
Q1984-03	OU4-PCS-TC-34-050725
Q1984-04	OU4-PCS-TC-34-050725
Q1984-05	OU4-PCS-TC-35-050725
Q1984-06	OU4-PCS-TC-35-050725
Q1984-07	OU4-TS-24-050725
Q1984-08	OU4-TS-24-050725
Q1984-09	OU4-TS-25-050725
Q1984-10	OU4-TS-25-050725
Q1984-11	OU4-TS-26-050725
Q1984-12	OU4-TS-26-050725
Q1984-13	OU4-TS-27-050725
Q1984-14	OU4-TS-27-050725
Q1984-15	OU4-TS-28-050725
Q1984-16	OU4-TS-28-050725
Q1984-17	OU4-TB01-050725

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: 5/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1984

	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:** 05/15/2025

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

LAB CHRONICLE

OrderID:	Q1984	**OrderDate:**	5/8/2025 10:48:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1984-01	**OU4-PCS-TC-33-050725**	**SOIL**			**05/07/25**			**05/08/25**
			PCB	8082A		05/12/25	05/12/25	
Q1984-03	**OU4-PCS-TC-34-050725**	**SOIL**			**05/07/25**			**05/08/25**
			PCB	8082A		05/12/25	05/12/25	
Q1984-05	**OU4-PCS-TC-35-050725**	**SOIL**			**05/07/25**			**05/08/25**
			PCB	8082A		05/12/25	05/12/25	
Q1984-07	**OU4-TS-24-050725**	**SOIL**			**05/07/25**			**05/08/25**
			PCB	8082A		05/12/25	05/12/25	
Q1984-09	**OU4-TS-25-050725**	**SOIL**			**05/07/25**			**05/08/25**
			PCB	8082A		05/12/25	05/13/25	
Q1984-11	**OU4-TS-26-050725**	**SOIL**			**05/07/25**			**05/08/25**
			PCB	8082A		05/12/25	05/12/25	
Q1984-13	**OU4-TS-27-050725**	**SOIL**			**05/07/25**			**05/08/25**
			PCB	8082A		05/12/25	05/13/25	
Q1984-15	**OU4-TS-28-050725**	**SOIL**			**05/07/25**			**05/08/25**
			PCB	8082A		05/13/25	05/14/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1984 **Order ID:** Q1984

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.: Q1984

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO110891.D	PIBLK-PO110891.D	Tetrachloro-m-xylene	1	20	16.1	81		60	140
		Decachlorobiphenyl	1	20	18.1	91		60	140
		Tetrachloro-m-xylene	2	20	15.2	76		60	140
		Decachlorobiphenyl	2	20	18.1	90		60	140
I.BLK-PO111009.D	PIBLK-PO111009.D	Tetrachloro-m-xylene	1	20	17.1	86		60	140
		Decachlorobiphenyl	1	20	14.3	72		60	140
		Tetrachloro-m-xylene	2	20	17.4	87		60	140
		Decachlorobiphenyl	2	20	17.9	89		60	140
PB167949BL	PB167949BL	Tetrachloro-m-xylene	1	20	22.2	111		44	130
		Decachlorobiphenyl	1	20	18.0	90		60	125
		Tetrachloro-m-xylene	2	20	22.3	111		44	130
		Decachlorobiphenyl	2	20	22.3	112		60	125
PB167949BS	PB167949BS	Tetrachloro-m-xylene	1	20	20.8	104		44	130
		Decachlorobiphenyl	1	20	18.4	92		60	125
		Tetrachloro-m-xylene	2	20	21.4	107		44	130
		Decachlorobiphenyl	2	20	22.5	112		60	125
Q1984-01	OU4-PCS-TC-33-050725	Tetrachloro-m-xylene	1	20	23.5	117		44	130
		Decachlorobiphenyl	1	20	17.3	87		60	125
		Tetrachloro-m-xylene	2	20	24.2	121		44	130
		Decachlorobiphenyl	2	20	21.6	108		60	125
Q1984-03	OU4-PCS-TC-34-050725	Tetrachloro-m-xylene	1	20	23.2	116		44	130
		Decachlorobiphenyl	1	20	16.2	81		60	125
		Tetrachloro-m-xylene	2	20	23.8	119		44	130
		Decachlorobiphenyl	2	20	20.8	104		60	125
Q1984-05	OU4-PCS-TC-35-050725	Tetrachloro-m-xylene	1	20	23.6	118		44	130
		Decachlorobiphenyl	1	20	16.7	84		60	125
		Tetrachloro-m-xylene	2	20	24.3	121		44	130
		Decachlorobiphenyl	2	20	21.6	108		60	125
Q1984-07	OU4-TS-24-050725	Tetrachloro-m-xylene	1	20	20.4	102		44	130
		Decachlorobiphenyl	1	20	12.4	62		60	125
		Tetrachloro-m-xylene	2	20	20.9	105		44	130
		Decachlorobiphenyl	2	20	16.1	80		60	125
Q1984-11	OU4-TS-26-050725	Tetrachloro-m-xylene	1	20	16.7	84		44	130
		Decachlorobiphenyl	1	20	6.77	34	*	60	125
		Tetrachloro-m-xylene	2	20	17.2	86		44	130
		Decachlorobiphenyl	2	20	9.69	48	*	60	125
Q1984-11MS	OU4-TS-26-050725MS	Tetrachloro-m-xylene	1	20	15.0	75		44	130
		Decachlorobiphenyl	1	20	7.63	38	*	60	125
		Tetrachloro-m-xylene	2	20	15.3	77		44	130
		Decachlorobiphenyl	2	20	10.8	54	*	60	125
Q1984-11MSD	OU4-TS-26-050725MSD	Tetrachloro-m-xylene	1	20	13.1	65		44	130

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

Surrogate Summary

SDG No.: Q1984

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1984-11MSD	OU4-TS-26-050725MSD	Decachlorobiphenyl	1	20	6.71	34	*	60	125
		Tetrachloro-m-xylene	2	20	13.7	68		44	130
		Decachlorobiphenyl	2	20	9.19	46	*	60	125
I.BLK-PO111024.D	PIBLK-PO111024.D	Tetrachloro-m-xylene	1	20	17.9	89		60	140
		Decachlorobiphenyl	1	20	14.5	72		60	140
		Tetrachloro-m-xylene	2	20	17.9	89		60	140
		Decachlorobiphenyl	2	20	18.6	93		60	140
I.BLK-PO111030.D	PIBLK-PO111030.D	Tetrachloro-m-xylene	1	20	16.1	81		60	140
		Decachlorobiphenyl	1	20	13.2	66		60	140
		Tetrachloro-m-xylene	2	20	15.9	80		60	140
		Decachlorobiphenyl	2	20	16.3	82		60	140
Q1984-09	OU4-TS-25-050725	Tetrachloro-m-xylene	1	20	16.2	81		44	130
		Decachlorobiphenyl	1	20	14.2	71		60	125
		Tetrachloro-m-xylene	2	20	16.3	82		44	130
		Decachlorobiphenyl	2	20	18.1	90		60	125
PB167972BL	PB167972BL	Tetrachloro-m-xylene	1	20	20.6	103		44	130
		Decachlorobiphenyl	1	20	16.9	84		60	125
		Tetrachloro-m-xylene	2	20	20.4	102		44	130
		Decachlorobiphenyl	2	20	20.4	102		60	125
PB167972BS	PB167972BS	Tetrachloro-m-xylene	1	20	18.5	92		44	130
		Decachlorobiphenyl	1	20	16.4	82		60	125
		Tetrachloro-m-xylene	2	20	18.7	93		44	130
		Decachlorobiphenyl	2	20	20.1	100		60	125
Q2017-01MS	MH-IMS	Tetrachloro-m-xylene	1	20	19.8	99		44	130
		Decachlorobiphenyl	1	20	14.9	75		60	125
		Tetrachloro-m-xylene	2	20	20.6	103		44	130
		Decachlorobiphenyl	2	20	19.0	95		60	125
Q2017-01MSD	MH-IMSD	Tetrachloro-m-xylene	1	20	19.0	95		44	130
		Decachlorobiphenyl	1	20	14.2	71		60	125
		Tetrachloro-m-xylene	2	20	19.6	98		44	130
		Decachlorobiphenyl	2	20	18.4	92		60	125
I.BLK-PO111045.D	PIBLK-PO111045.D	Tetrachloro-m-xylene	1	20	16.4	82		60	140
		Decachlorobiphenyl	1	20	13.4	67		60	140
		Tetrachloro-m-xylene	2	20	16.2	81		60	140
		Decachlorobiphenyl	2	20	16.5	83		60	140
I.BLK-PO111051.D	PIBLK-PO111051.D	Tetrachloro-m-xylene	1	20	16.6	83		60	140
		Decachlorobiphenyl	1	20	13.8	69		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	16.9	84		60	140
Q1984-15	OU4-TS-28-050725	Tetrachloro-m-xylene	1	20	13.8	69		44	130
		Decachlorobiphenyl	1	20	18.3	91		60	125

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

Surrogate Summary

SDG No.: Q1984

Client: Nobis Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1984-15	OU4-TS-28-050725	Tetrachloro-m-xylene	2	20	13.9	70		44	130
		Decachlorobiphenyl	2	20	22.9	115		60	125
I.BLK-PO111055.D	PIBLK-PO111055.D	Tetrachloro-m-xylene	1	20	16.8	84		60	140
		Decachlorobiphenyl	1	20	14.7	74		60	140
		Tetrachloro-m-xylene	2	20	17.2	86		60	140
		Decachlorobiphenyl	2	20	19.9	100		60	140
I.BLK-PP071388.D	PIBLK-PP071388.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	17.2	86		60	140
		Decachlorobiphenyl	2	20	17.6	88		60	140
I.BLK-PP072007.D	PIBLK-PP072007.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	19.1	95		60	140
		Tetrachloro-m-xylene	2	20	19.7	98		60	140
		Decachlorobiphenyl	2	20	21.8	109		60	140
Q1984-13	OU4-TS-27-050725	Tetrachloro-m-xylene	1	20	14.6	73		44	130
		Decachlorobiphenyl	1	20	15.8	79		60	125
		Tetrachloro-m-xylene	2	20	18.0	90		44	130
		Decachlorobiphenyl	2	20	18.9	95		60	125
I.BLK-PP072022.D	PIBLK-PP072022.D	Tetrachloro-m-xylene	1	20	17.2	86		60	140
		Decachlorobiphenyl	1	20	19.0	95		60	140
		Tetrachloro-m-xylene	2	20	19.9	99		60	140
		Decachlorobiphenyl	2	20	21.2	106		60	140

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1984

Client: Nobis Group

Analytical Method: 8082A **DataFile :** PO111018.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OU4-TS-26-050725MS**											
Q1984-11MS	AR1016	276.9	0	243	ug/kg	88				47	134	
	AR1260	276.9	0	185	ug/kg	67				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.: Q1984

Client: Nobis Group

Analytical Method: 8082A **DataFile :** PO111019.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OU4-TS-26-050725MSD**											
Q1984-11MSD	AR1016	276.9	0	275	ug/kg	99		12		47	134	20
	AR1260	276.9	0	235	ug/kg	85		24	*	53	140	20

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.: Q1984

Client: Nobis Group

Analytical Method: 8082A **DataFile :** PO111038.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**MH-IMS**											
Q2017-01MS	AR1016	198	0	231	ug/kg	117				47	134	
	AR1260	198	0	203	ug/kg	103				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.: Q1984

Client: Nobis Group

Analytical Method: 8082A **DataFile :** PO111039.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**MH-IMSD**											
Q2017-01MSD	AR1016	197.7	0	219	ug/kg	111		5		47	134	20
	AR1260	197.7	0	194	ug/kg	98		5		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.: Q1984

Client: Nobis Group

Analytical Method: 8082A **Datafile :** PO111011.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167949BS	AR1016	166.6	191	ug/kg	115				47	134	
	AR1260	166.6	181	ug/kg	109				53	140	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1984

Client: Nobis Group

Analytical Method: 8082A **Datafile :** PO111033.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167972BS	AR1016	166.5	170	ug/kg	102				47	134	
	AR1260	166.5	161	ug/kg	97				53	140	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167949BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab Sample ID: PB167949BL Lab File ID: PO111010.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/12/2025

Date Analyzed (1): 05/12/2025 Date Analyzed (2): 05/12/2025

Time Analyzed (1): 13:05 Time Analyzed (2): 13:05

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167949BS	PB167949BS	PO111011.D	05/12/2025	05/12/2025
OU4-PCS-TC-33-050725	Q1984-01	PO111012.D	05/12/2025	05/12/2025
OU4-PCS-TC-34-050725	Q1984-03	PO111013.D	05/12/2025	05/12/2025
OU4-PCS-TC-35-050725	Q1984-05	PO111014.D	05/12/2025	05/12/2025
OU4-TS-24-050725	Q1984-07	PO111015.D	05/12/2025	05/12/2025
OU4-TS-26-050725	Q1984-11	PO111017.D	05/12/2025	05/12/2025
OU4-TS-26-050725MS	Q1984-11MS	PO111018.D	05/12/2025	05/12/2025
OU4-TS-26-050725MSD	Q1984-11MSD	PO111019.D	05/12/2025	05/12/2025
OU4-TS-25-050725	Q1984-09	PO111031.D	05/13/2025	05/13/2025
OU4-TS-27-050725	Q1984-13	PP072008.D	05/13/2025	05/13/2025

COMMENTS:

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167972BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab Sample ID: PB167972BL Lab File ID: PO111032.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/13/2025

Date Analyzed (1): 05/13/2025 Date Analyzed (2): 05/13/2025

Time Analyzed (1): 13:24 Time Analyzed (2): 13:24

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167972BS	PB167972BS	PO111033.D	05/13/2025	05/13/2025
MH-IMS	Q2017-01MS	PO111038.D	05/13/2025	05/13/2025
MH-IMSD	Q2017-01MSD	PO111039.D	05/13/2025	05/13/2025
OU4-TS-28-050725	Q1984-15	PO111052.D	05/14/2025	05/14/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PO111012.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	95.1 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
PO111012.D	1	05/12/25 09:05	05/12/25 13:42	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.70	U	4.10	8.70	17.9	ug/kg
11104-28-2	Aroclor-1221	13.7	U	4.20	13.7	17.9	ug/kg
11141-16-5	Aroclor-1232	8.70	U	3.90	8.70	17.9	ug/kg
53469-21-9	Aroclor-1242	8.70	U	4.20	8.70	17.9	ug/kg
12672-29-6	Aroclor-1248	13.7	U	6.20	13.7	17.9	ug/kg
11097-69-1	Aroclor-1254	8.70	U	3.40	8.70	17.9	ug/kg
37324-23-5	Aroclor-1262	13.7	U	5.30	13.7	17.9	ug/kg
11100-14-4	Aroclor-1268	8.70	U	3.80	8.70	17.9	ug/kg
11096-82-5	Aroclor-1260	8.70	U	3.40	8.70	17.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.2		44 - 130		121%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 125		108%	SPK: 20

Comments:

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

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

Sample Results: **PO111012.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:42
Operator : YP/AJ
Sample : Q1984-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-33-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:51:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.679	134.4E6	117.1E6	23.501	24.171
2)	SA Decachlor...	8.721	8.671	105.7E6	36523692	17.329	21.647
	Target Compounds						

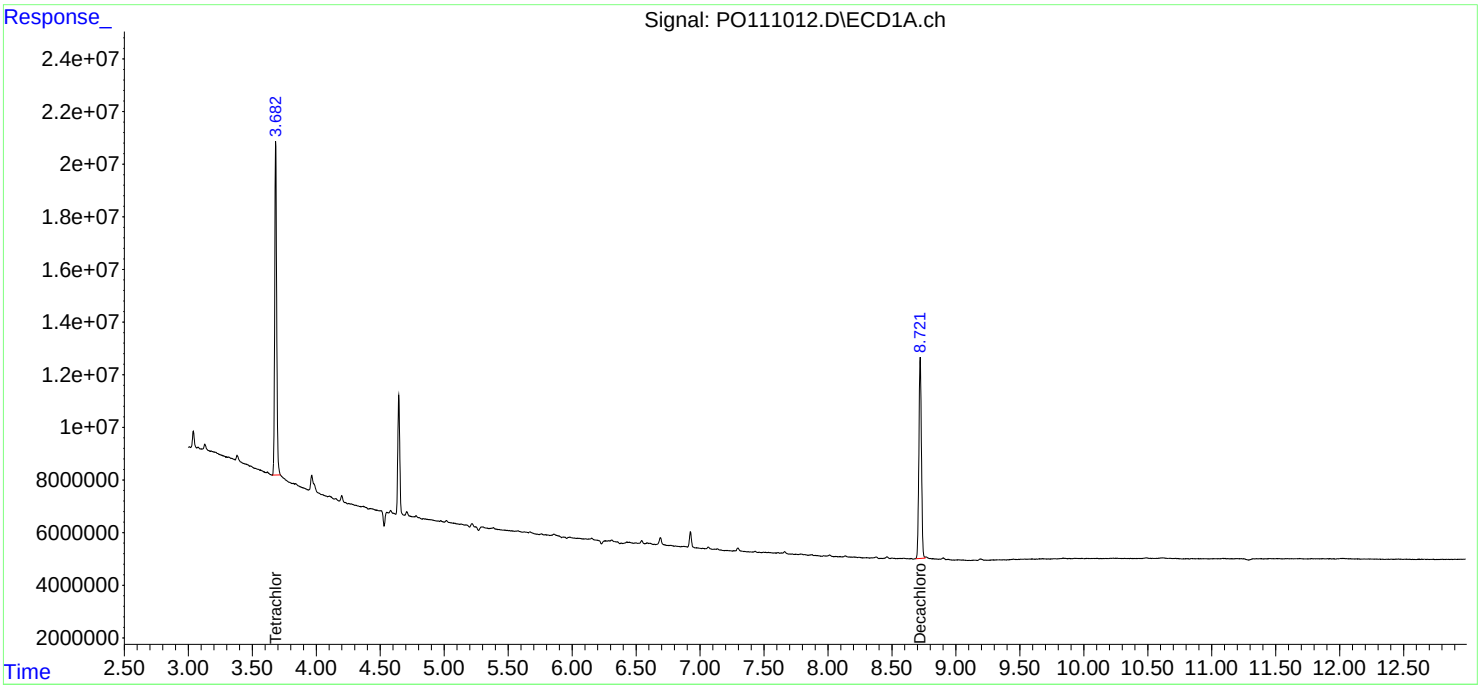
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

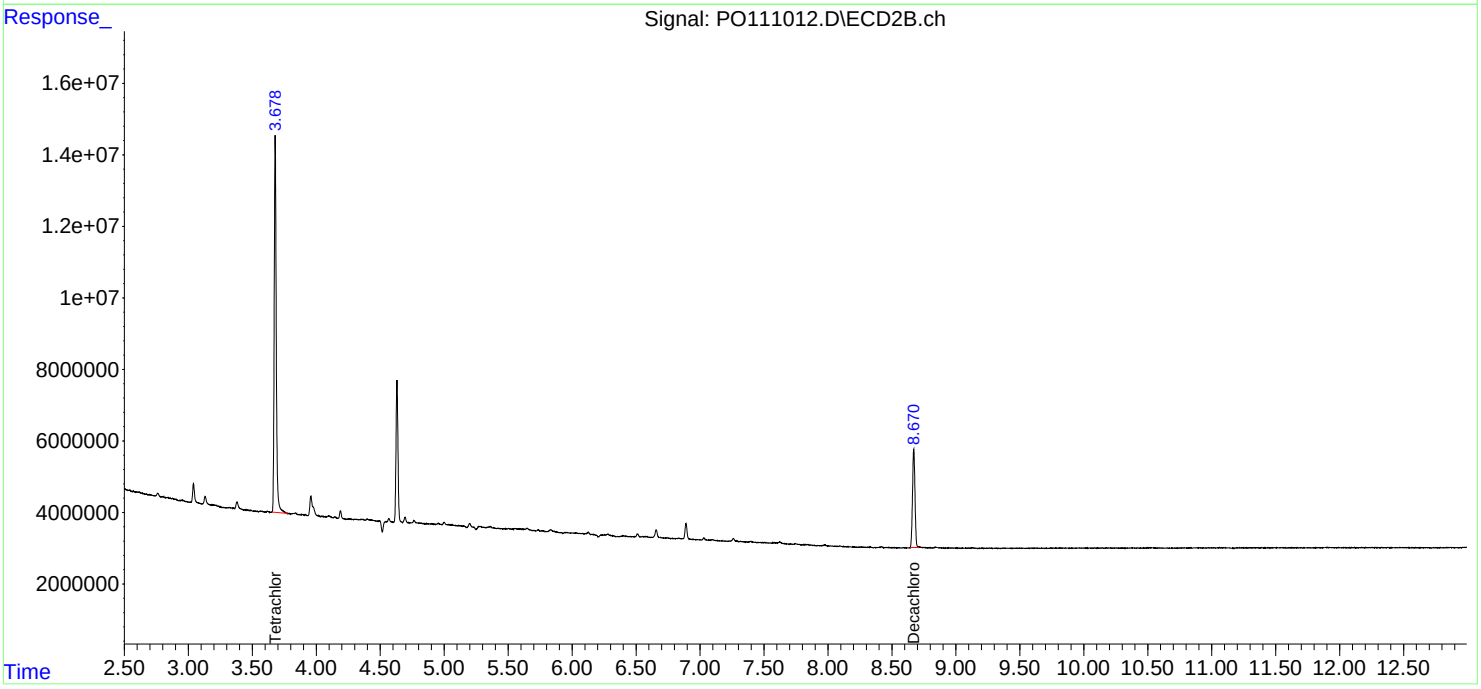
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:42
Operator : YP/AJ
Sample : Q1984-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

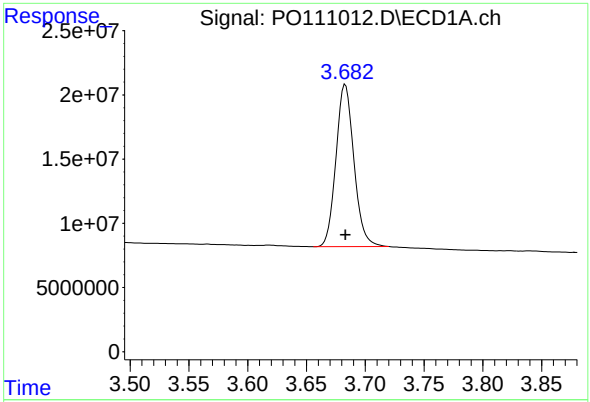
Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-33-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:51:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



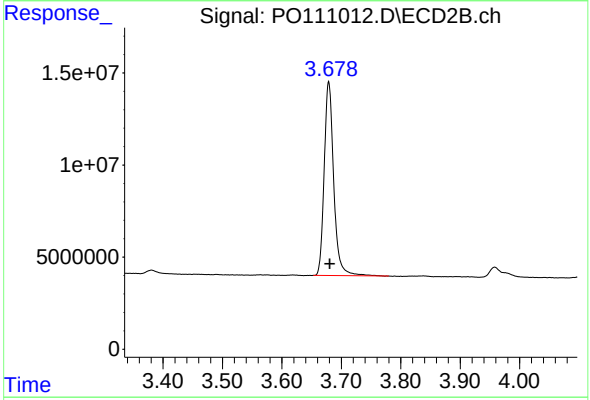




#1 Tetrachloro-m-xylene

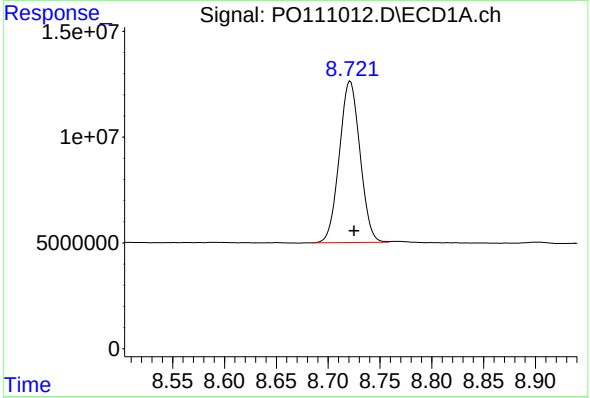
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 134443908
Conc: 23.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-33-050725



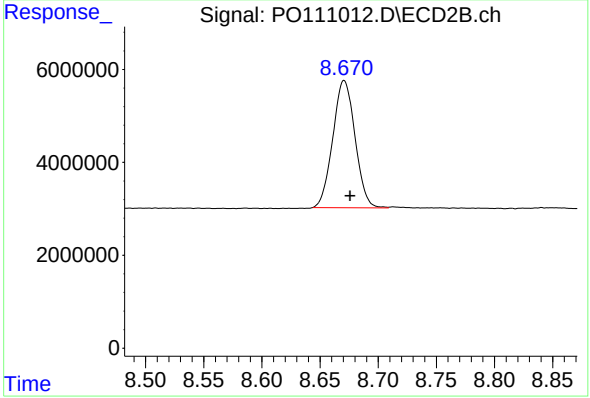
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.002 min
Response: 117061364
Conc: 24.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.721 min
Delta R.T.: -0.004 min
Response: 105749228
Conc: 17.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: -0.005 min
Response: 36523692
Conc: 21.65 ng/ml

Raw Data: **PO111013.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-34-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	95.7 Decanted:
Sample Wt/Vol:	30.06 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
PO111013.D	1	05/12/25 09:05	05/12/25 14:00	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.70	U	4.10	8.70	17.7	ug/kg
11104-28-2	Aroclor-1221	13.6	U	4.20	13.6	17.7	ug/kg
11141-16-5	Aroclor-1232	8.70	U	3.90	8.70	17.7	ug/kg
53469-21-9	Aroclor-1242	8.70	U	4.20	8.70	17.7	ug/kg
12672-29-6	Aroclor-1248	13.6	U	6.20	13.6	17.7	ug/kg
11097-69-1	Aroclor-1254	8.70	U	3.30	8.70	17.7	ug/kg
37324-23-5	Aroclor-1262	13.6	U	5.20	13.6	17.7	ug/kg
11100-14-4	Aroclor-1268	8.70	U	3.80	8.70	17.7	ug/kg
11096-82-5	Aroclor-1260	8.70	U	3.40	8.70	17.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.8		44 - 130		119%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		60 - 125		104%	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: **PO111013.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:00
Operator : YP/AJ
Sample : Q1984-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-34-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:52:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	132.7E6	115.3E6	23.205	23.812
2)	SA Decachlor...	8.723	8.672	98749209	35045453	16.182	20.771 #
	Target Compounds						

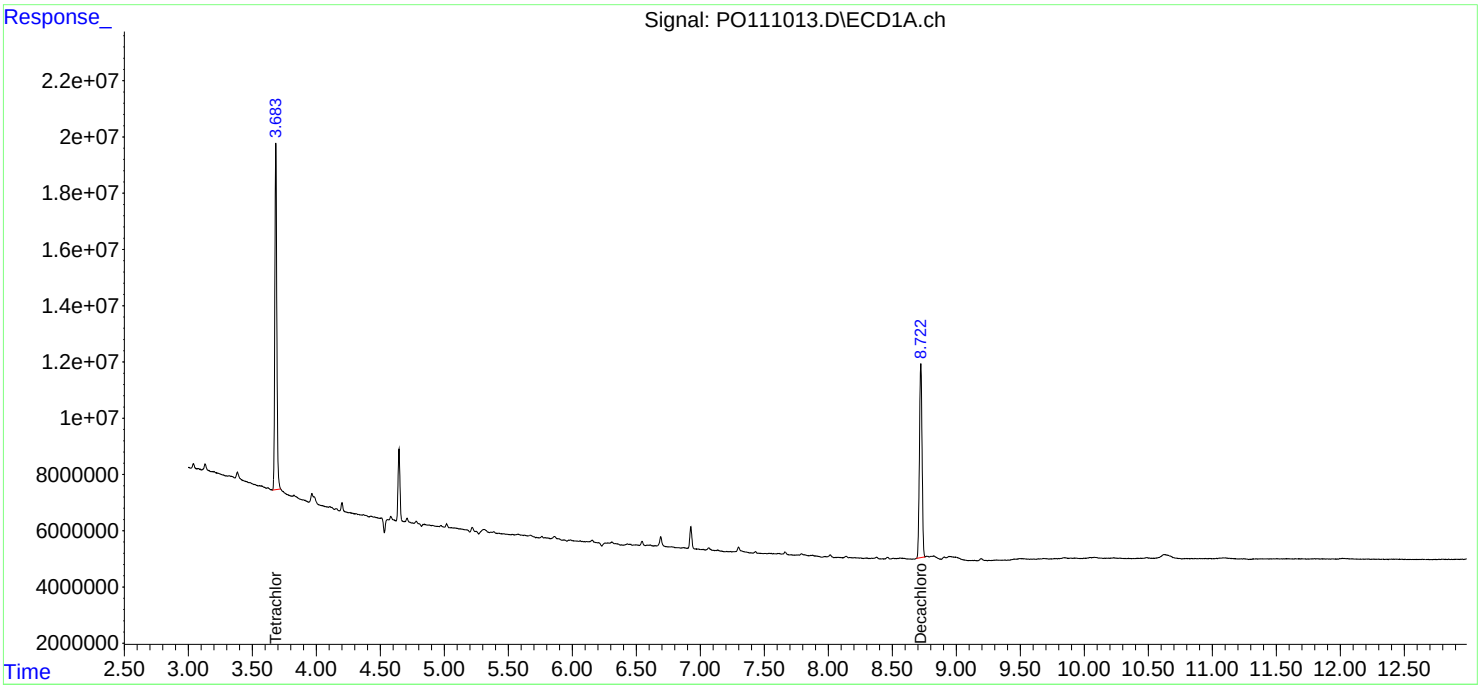
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

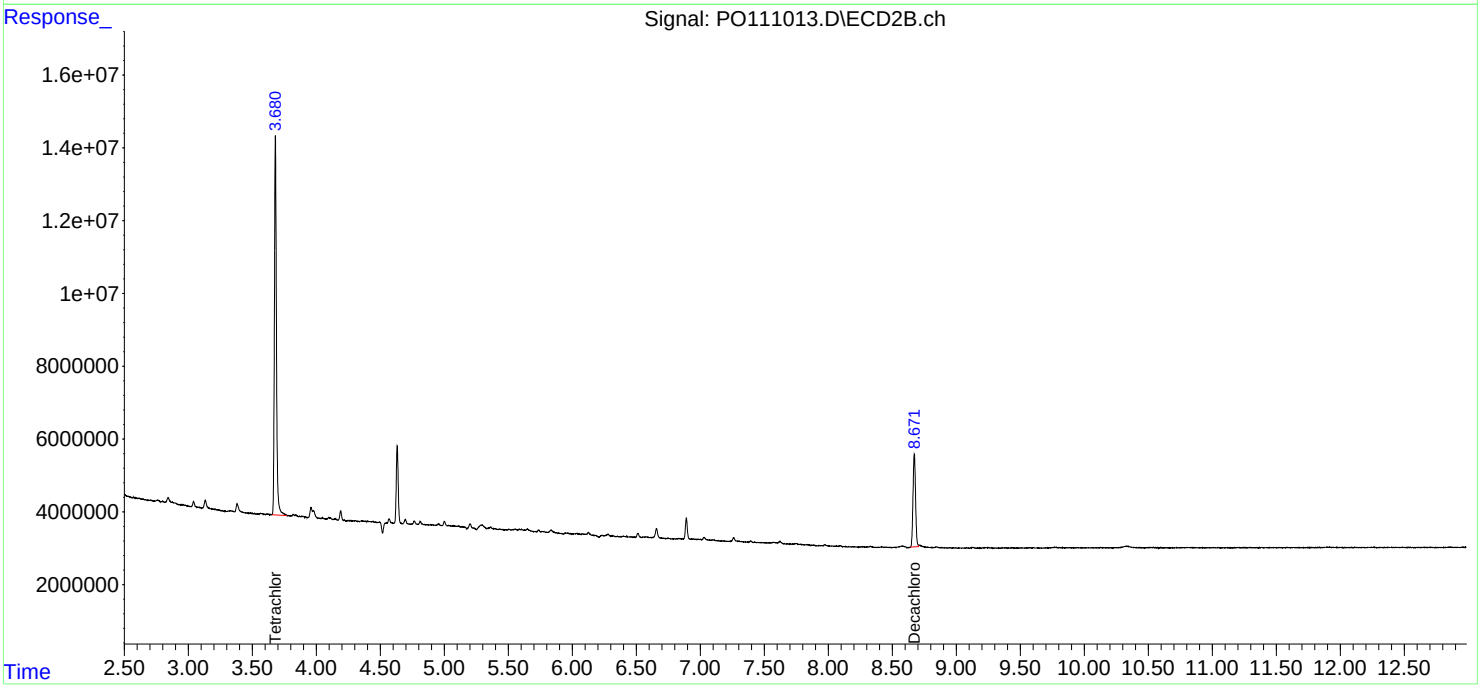
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:00
Operator : YP/AJ
Sample : Q1984-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

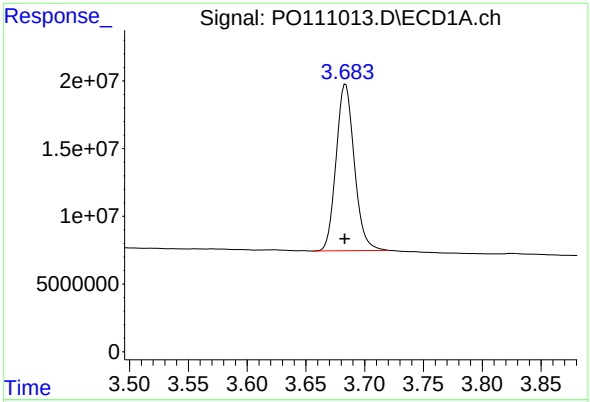
Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-34-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:52:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



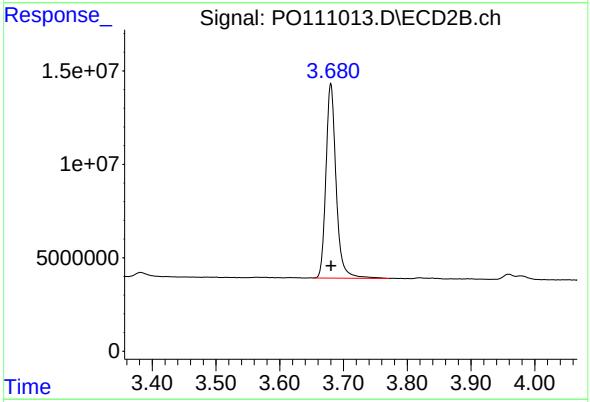




#1 Tetrachloro-m-xylene

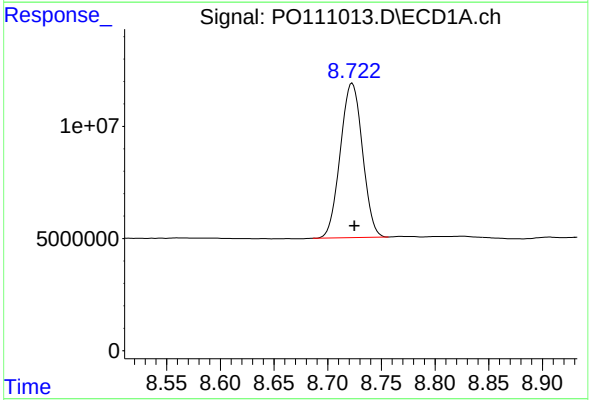
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 132749375
Conc: 23.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-34-050725



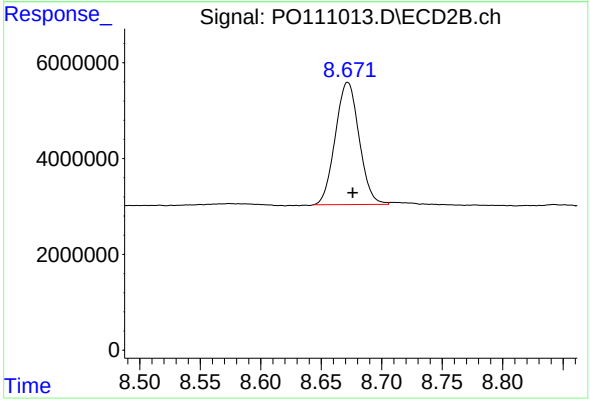
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 115322132
Conc: 23.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 98749209
Conc: 16.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 35045453
Conc: 20.77 ng/ml

Raw Data: **PO111014.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-35-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.4 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
PO111014.D	1	05/12/25 09:05	05/12/25 14:19	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.80	U	4.20	8.80	18.0	ug/kg
11104-28-2	Aroclor-1221	13.7	U	4.30	13.7	18.0	ug/kg
11141-16-5	Aroclor-1232	8.80	U	3.90	8.80	18.0	ug/kg
53469-21-9	Aroclor-1242	8.80	U	4.20	8.80	18.0	ug/kg
12672-29-6	Aroclor-1248	13.7	U	6.30	13.7	18.0	ug/kg
11097-69-1	Aroclor-1254	8.80	U	3.40	8.80	18.0	ug/kg
37324-23-5	Aroclor-1262	13.7	U	5.30	13.7	18.0	ug/kg
11100-14-4	Aroclor-1268	8.80	U	3.80	8.80	18.0	ug/kg
11096-82-5	Aroclor-1260	8.80	U	3.40	8.80	18.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.3		44 - 130		121%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 125		108%	SPK: 20

Comments:

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

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

Sample Results: **PO111014.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:19
Operator : YP/AJ
Sample : Q1984-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-35-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:52:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	135.2E6	117.5E6	23.639	24.268
2)	SA Decachlor...	8.722	8.673	102.0E6	36533270	16.718	21.652 #
	Target Compounds						

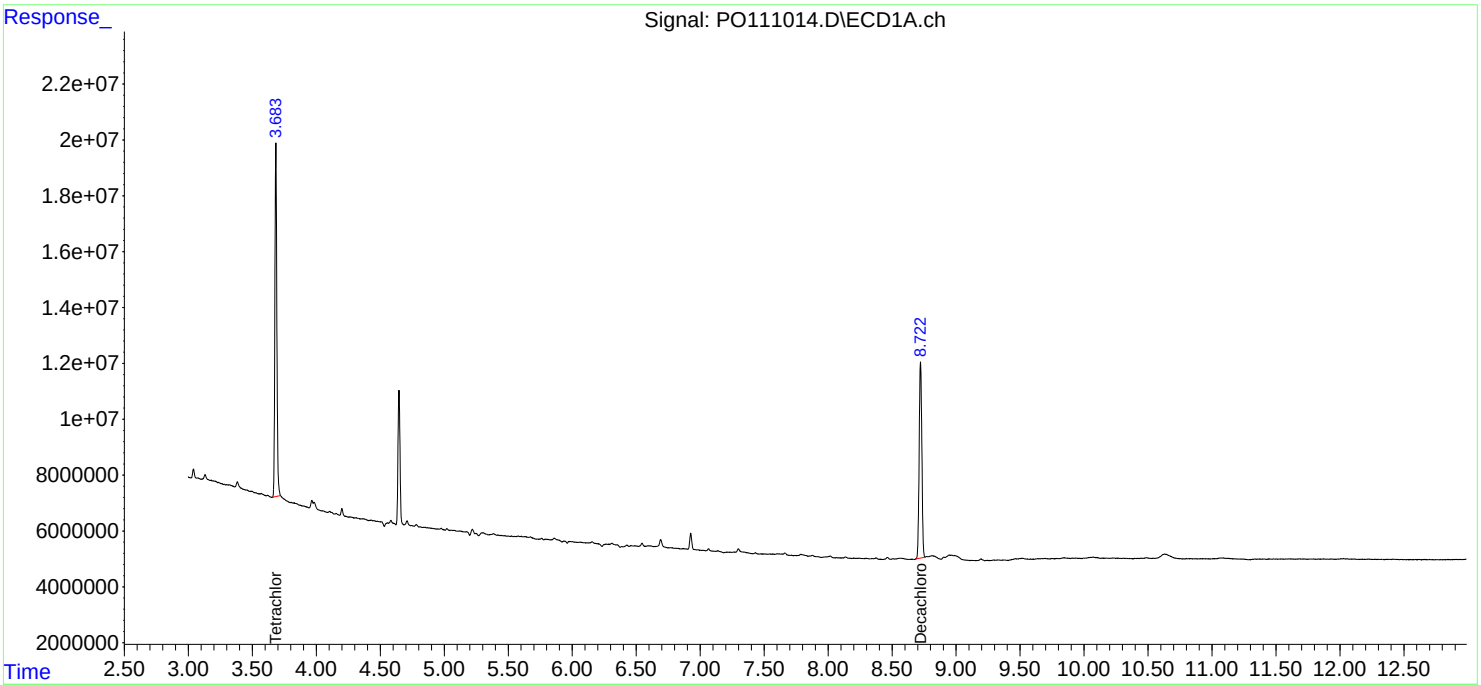
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

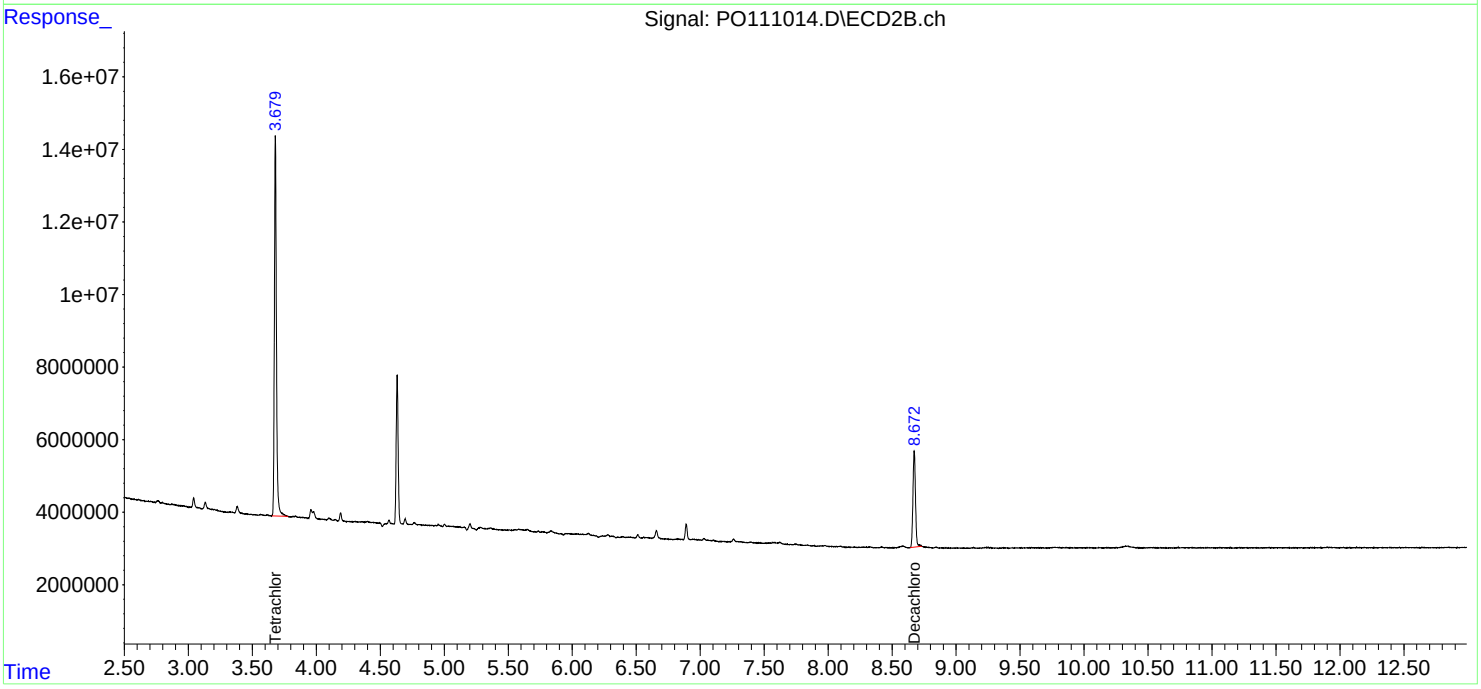
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:19
Operator : YP/AJ
Sample : Q1984-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

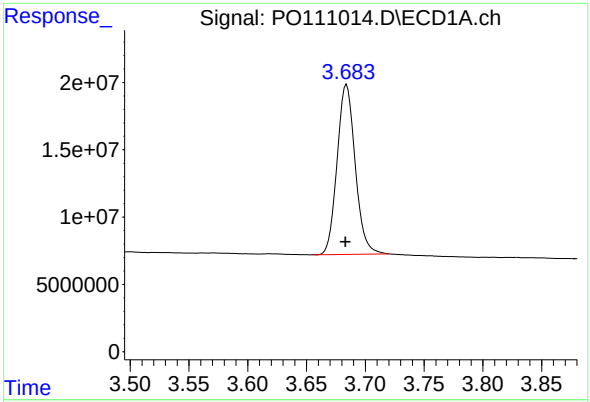
Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-35-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:52:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



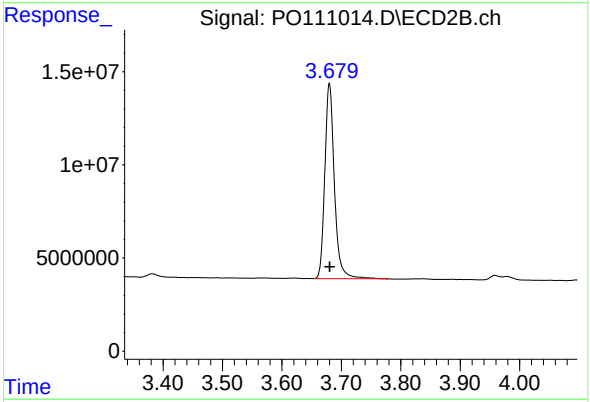




#1 Tetrachloro-m-xylene

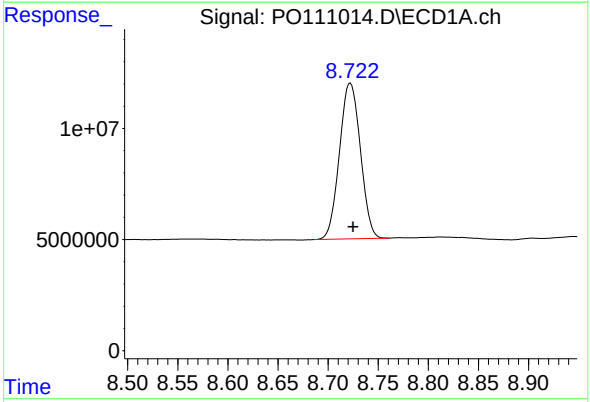
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 135234001
Conc: 23.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-PCS-TC-35-050725



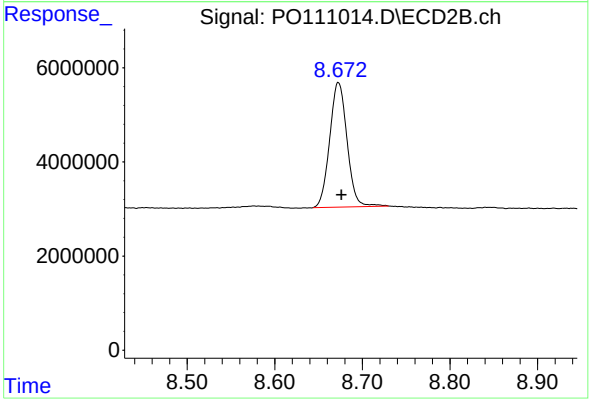
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 117530300
Conc: 24.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.003 min
Response: 102021530
Conc: 16.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 36533270
Conc: 21.65 ng/ml

Raw Data: **PO111015.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	69.7 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
PO111015.D	1	05/12/25 09:05	05/12/25 14:37	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	11.9	U	5.70	11.9	24.4	ug/kg
11104-28-2	Aroclor-1221	18.6	U	5.80	18.6	24.4	ug/kg
11141-16-5	Aroclor-1232	11.9	U	5.30	11.9	24.4	ug/kg
53469-21-9	Aroclor-1242	11.9	U	5.70	11.9	24.4	ug/kg
12672-29-6	Aroclor-1248	18.6	U	8.50	18.6	24.4	ug/kg
11097-69-1	Aroclor-1254	11.9	U	4.60	11.9	24.4	ug/kg
37324-23-5	Aroclor-1262	18.6	U	7.20	18.6	24.4	ug/kg
11100-14-4	Aroclor-1268	11.9	U	5.20	11.9	24.4	ug/kg
11096-82-5	Aroclor-1260	11.9	U	4.60	11.9	24.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.9		44 - 130		105%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		60 - 125		80%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:37
Operator : YP/AJ
Sample : Q1984-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-TS-24-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:52:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.681	116.6E6	101.3E6	20.382	20.907
2)	SA Decachlor...	8.722	8.672	75463450	27135406	12.366	16.083 #
	Target Compounds						

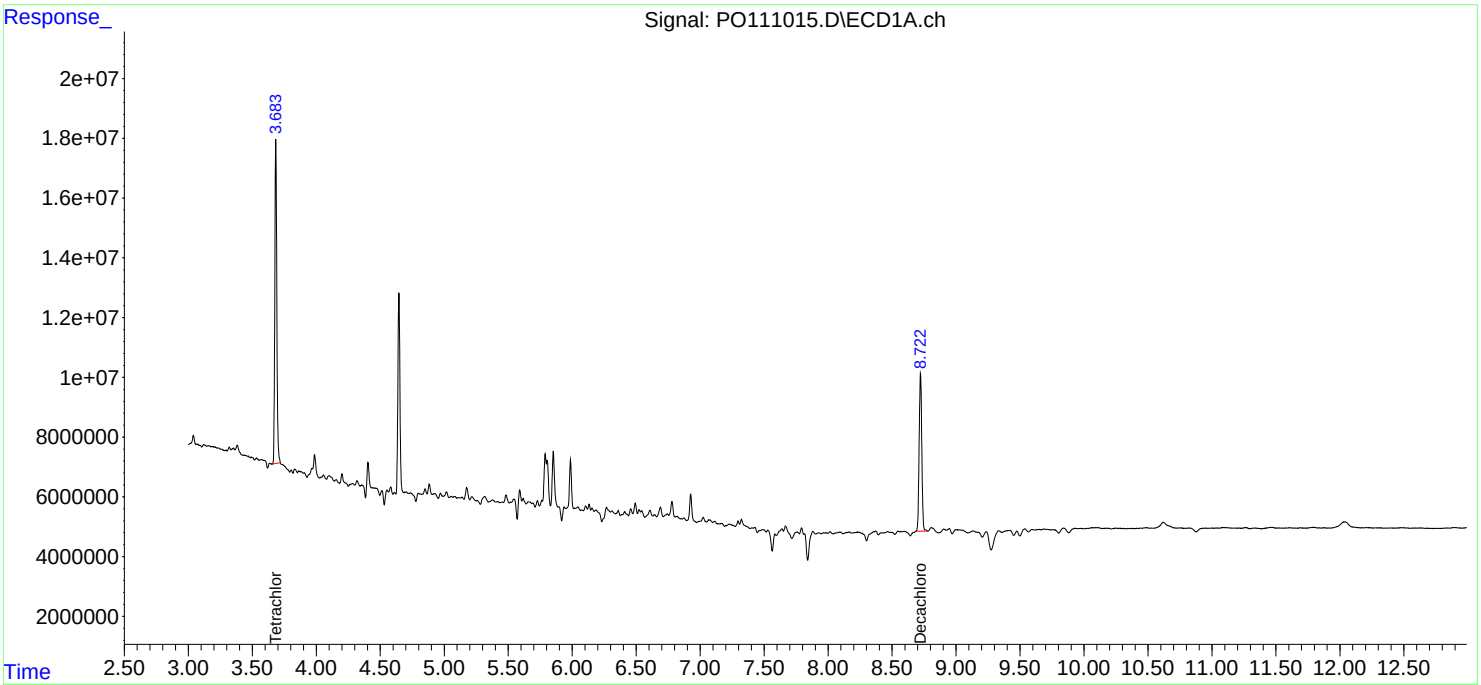
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

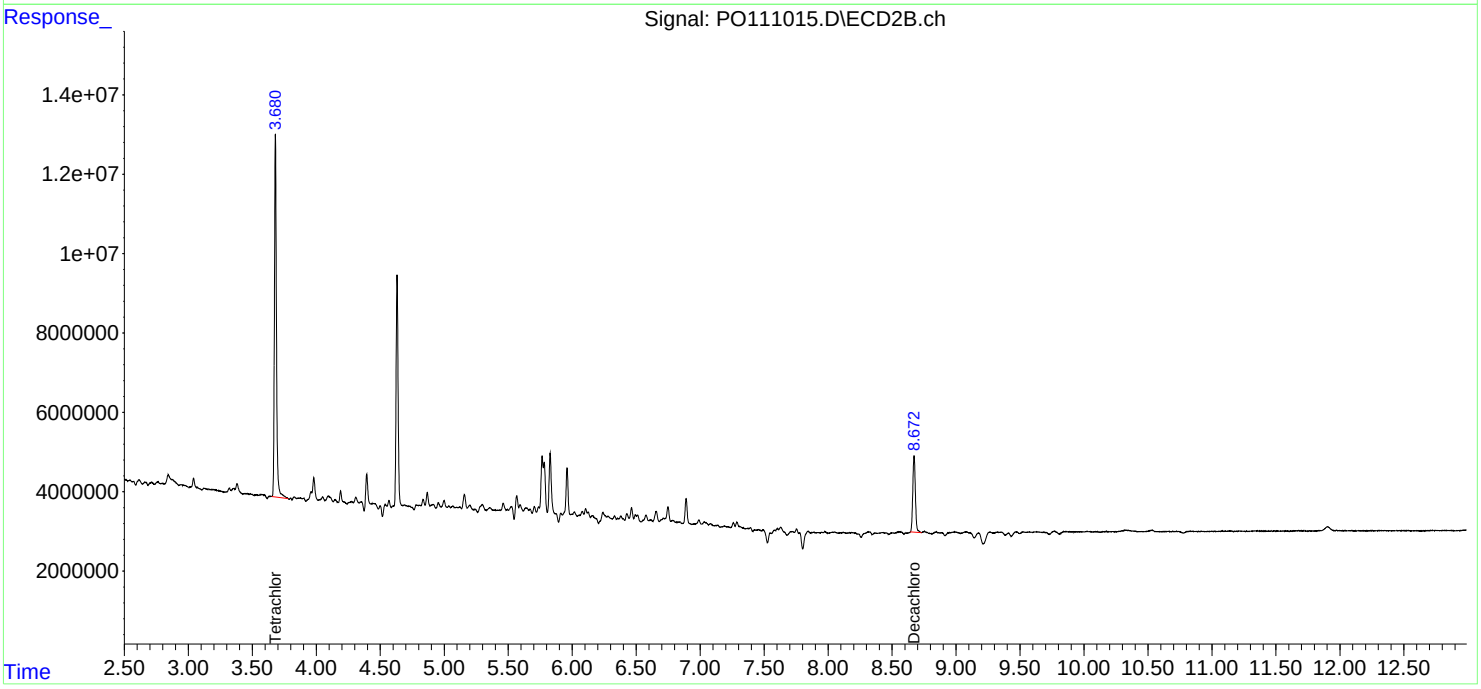
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:37
Operator : YP/AJ
Sample : Q1984-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

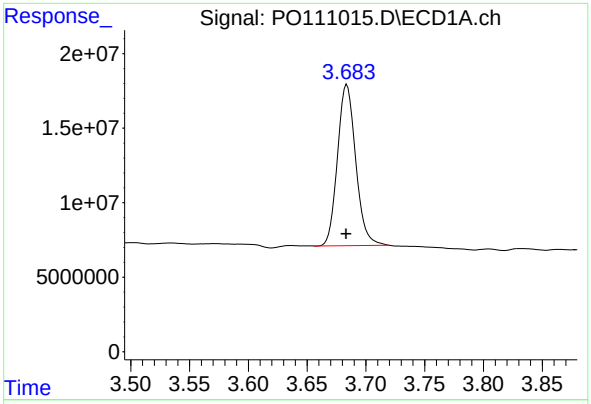
Instrument :
ECD_O
ClientSampleId :
OU4-TS-24-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:52:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



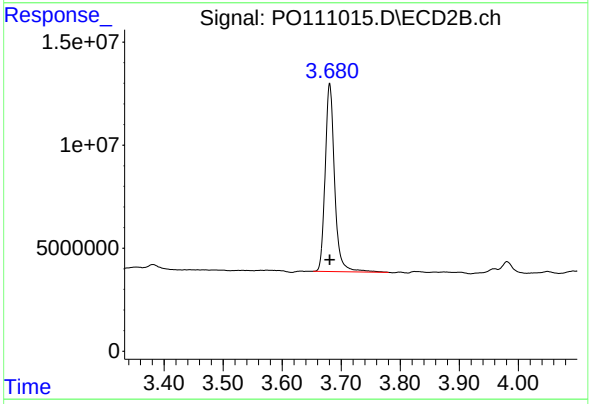




#1 Tetrachloro-m-xylene

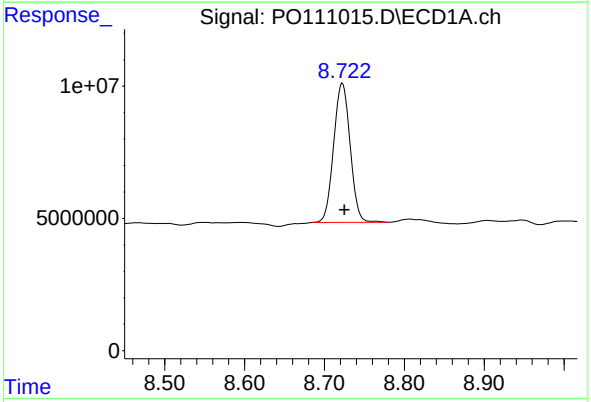
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 116600561
Conc: 20.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-24-050725



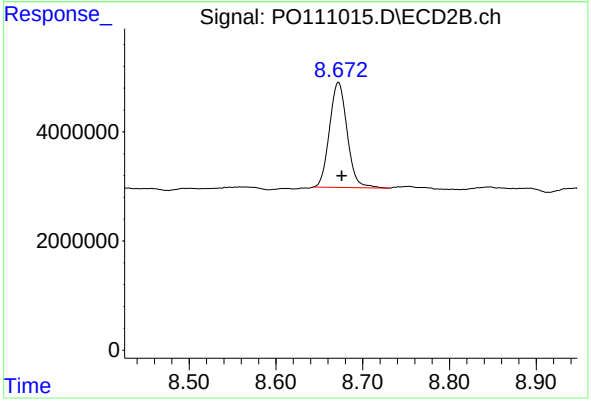
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 101253292
Conc: 20.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.002 min
Response: 75463450
Conc: 12.37 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 27135406
Conc: 16.08 ng/ml

Raw Data: **PO111031.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-25-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	68 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
PO111031.D	1	05/12/25 09:05	05/13/25 10:46	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	12.2	U	5.80	12.2	24.9	ug/kg
11104-28-2	Aroclor-1221	19.1	U	5.90	19.1	24.9	ug/kg
11141-16-5	Aroclor-1232	12.2	U	5.50	12.2	24.9	ug/kg
53469-21-9	Aroclor-1242	12.2	U	5.90	12.2	24.9	ug/kg
12672-29-6	Aroclor-1248	19.1	U	8.70	19.1	24.9	ug/kg
11097-69-1	Aroclor-1254	12.2	U	4.70	12.2	24.9	ug/kg
37324-23-5	Aroclor-1262	19.1	U	7.40	19.1	24.9	ug/kg
11100-14-4	Aroclor-1268	12.2	U	5.30	12.2	24.9	ug/kg
11096-82-5	Aroclor-1260	12.2	U	4.70	12.2	24.9	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.3		44 - 130		82%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 125		90%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO111031.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:46
Operator : YP/AJ
Sample : Q1984-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-TS-25-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:19:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	92533761	79149572	16.175	16.343
2)	SA Decachlor...	8.722	8.673	86869891	30477808	14.235	18.064 #
	Target Compounds						

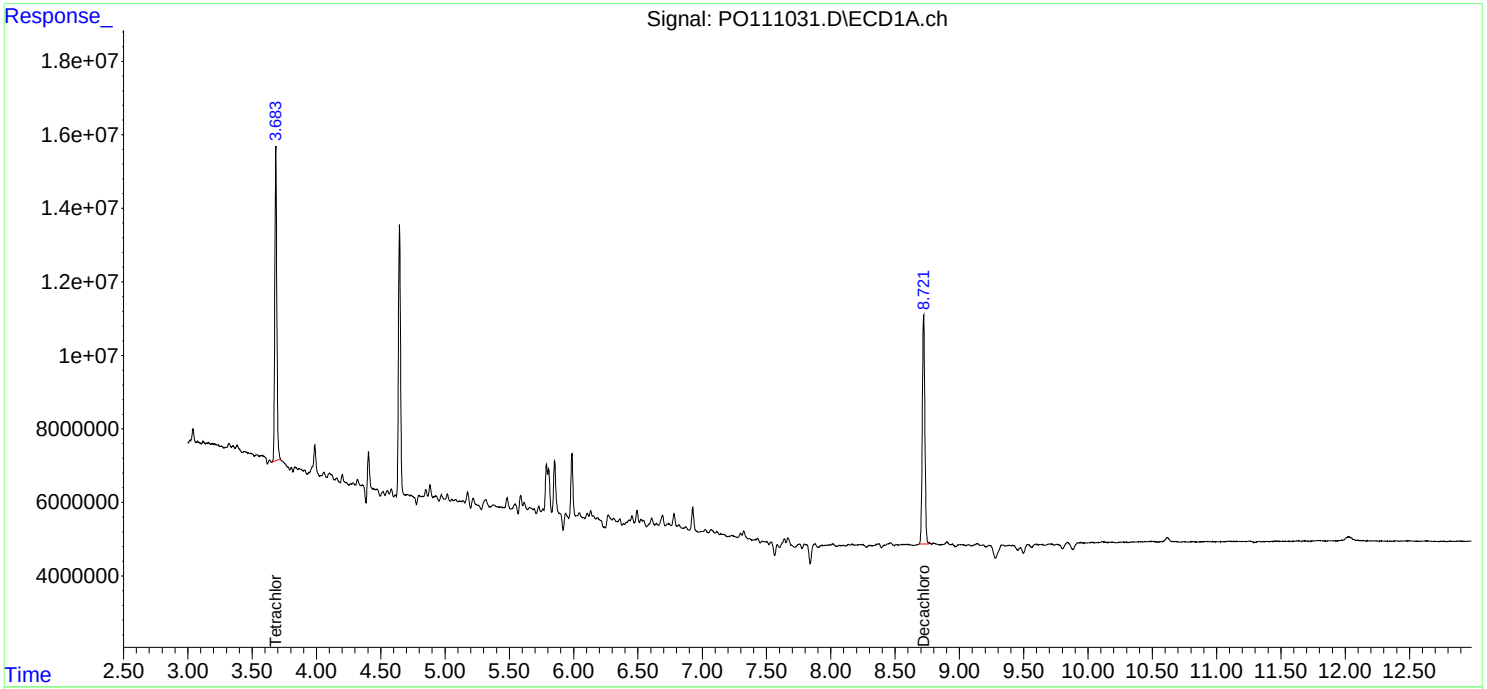
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

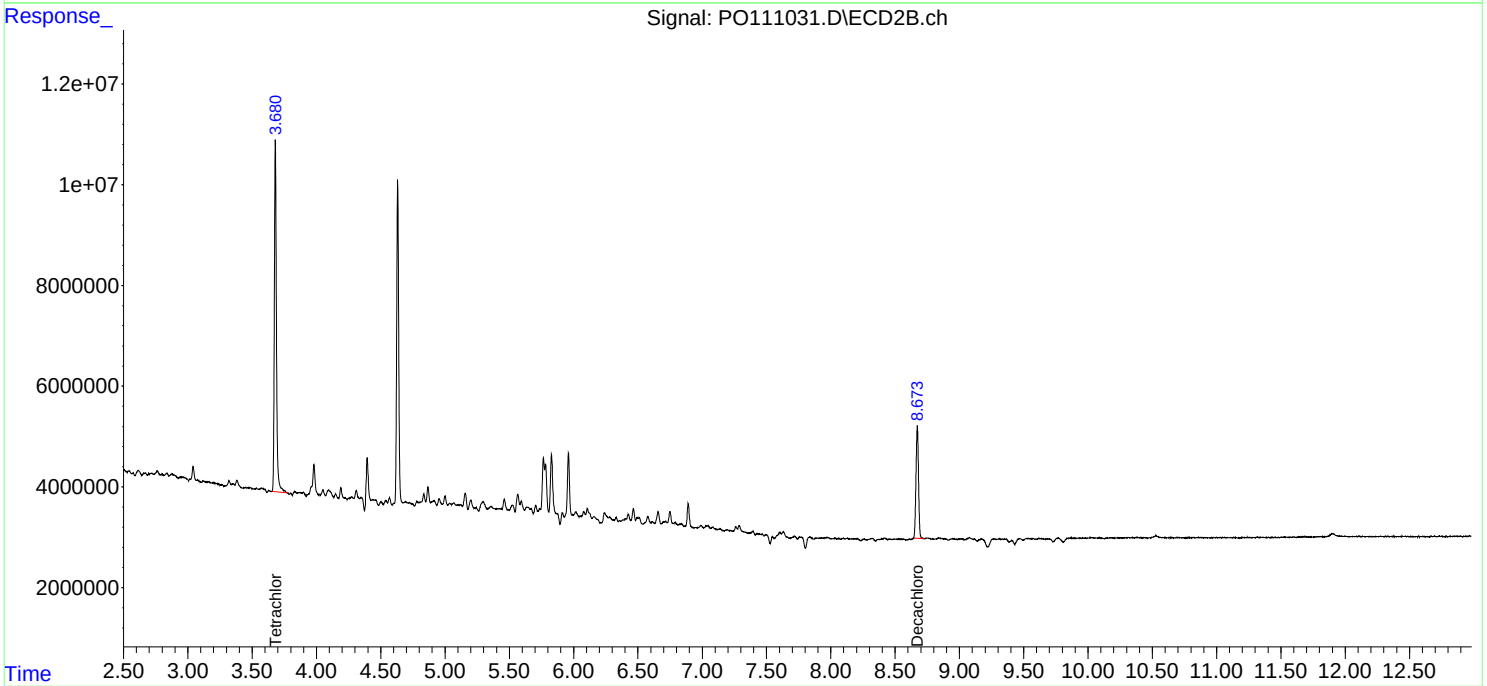
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:46
Operator : YP/AJ
Sample : Q1984-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

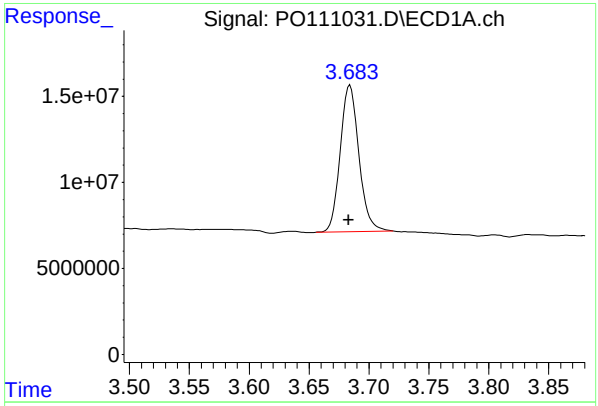
Instrument :
ECD_O
ClientSampleId :
OU4-TS-25-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:19:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



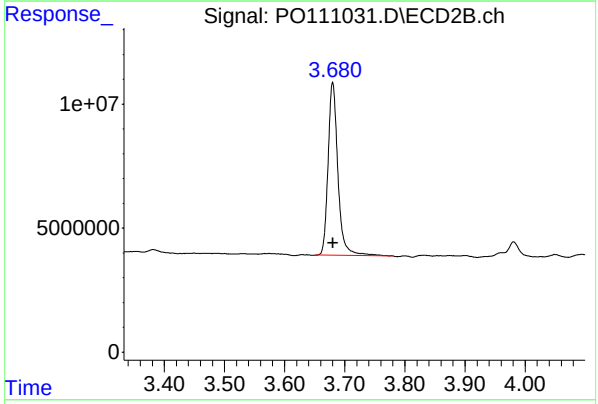




#1 Tetrachloro-m-xylene

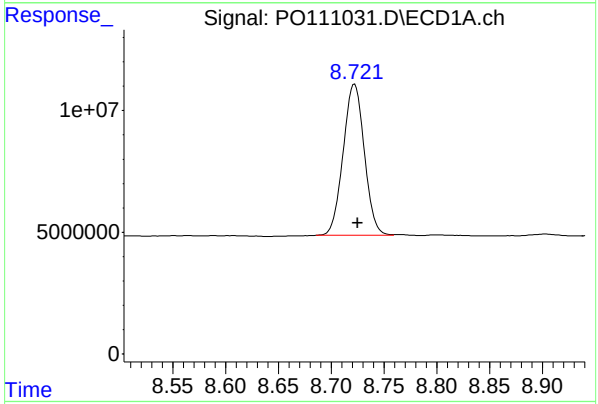
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 92533761
Conc: 16.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-25-050725



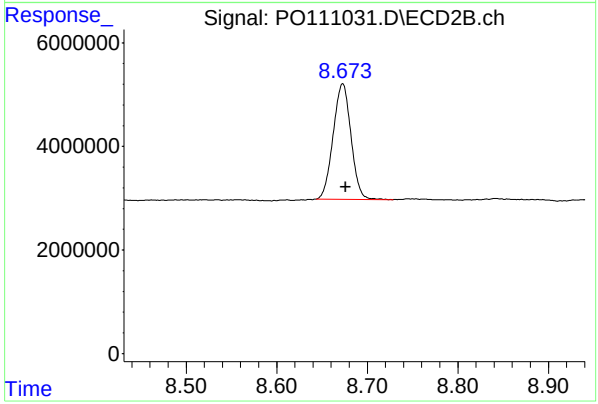
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 79149572
Conc: 16.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.003 min
Response: 86869891
Conc: 14.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 30477808
Conc: 18.06 ng/ml

Raw Data: **PO111017.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-11	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	60.1 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
PO111017.D	1	05/12/25 09:05	05/12/25 15:12	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	13.8	U	6.60	13.8	28.3	ug/kg
11104-28-2	Aroclor-1221	21.6	U	6.70	21.6	28.3	ug/kg
11141-16-5	Aroclor-1232	13.8	U	6.20	13.8	28.3	ug/kg
53469-21-9	Aroclor-1242	13.8	U	6.70	13.8	28.3	ug/kg
12672-29-6	Aroclor-1248	21.6	U	9.80	21.6	28.3	ug/kg
11097-69-1	Aroclor-1254	13.8	U	5.30	13.8	28.3	ug/kg
37324-23-5	Aroclor-1262	21.6	U	8.30	21.6	28.3	ug/kg
11100-14-4	Aroclor-1268	13.8	U	6.00	13.8	28.3	ug/kg
11096-82-5	Aroclor-1260	13.8	U	5.40	13.8	28.3	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.2		44 - 130		86%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.69	*	60 - 125		48%	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: **PO111017.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:12
Operator : YP/AJ
Sample : Q1984-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:53:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.681	95583433	83210708	16.708	17.181
2)	SA Decachlor...	8.722	8.672	41283394	16347489	6.765	9.689 #
	Target Compounds						

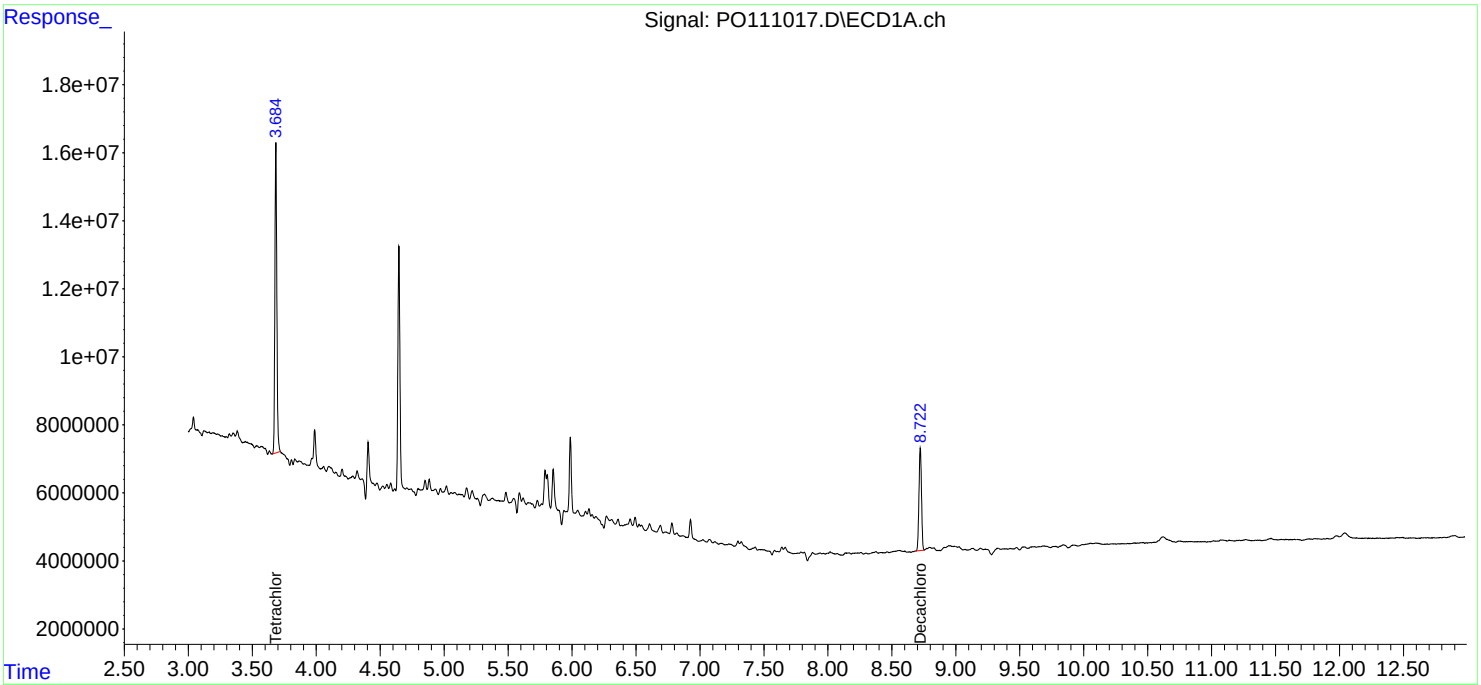
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

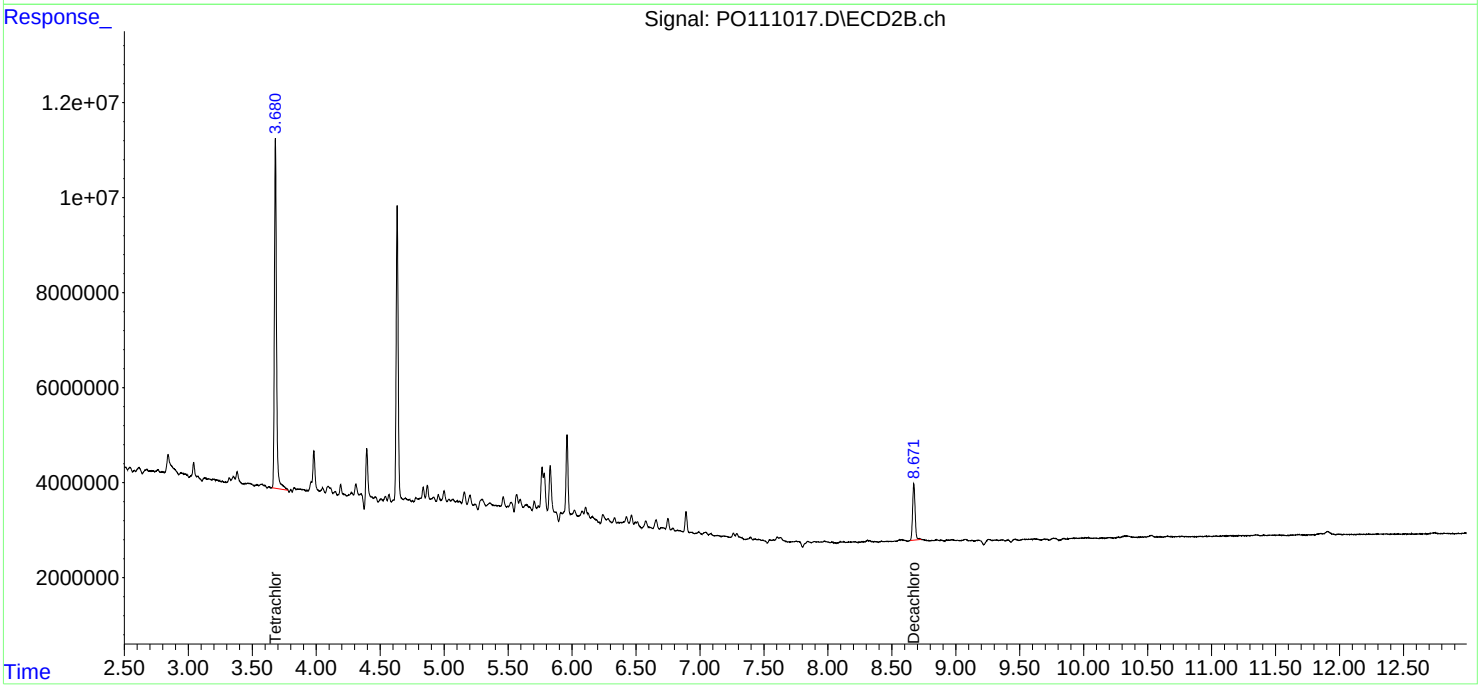
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:12
Operator : YP/AJ
Sample : Q1984-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

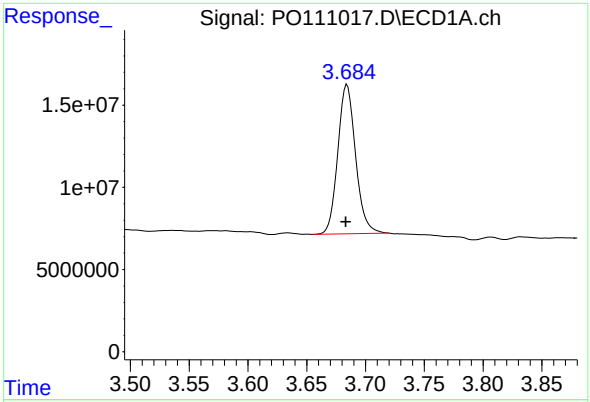
Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:53:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



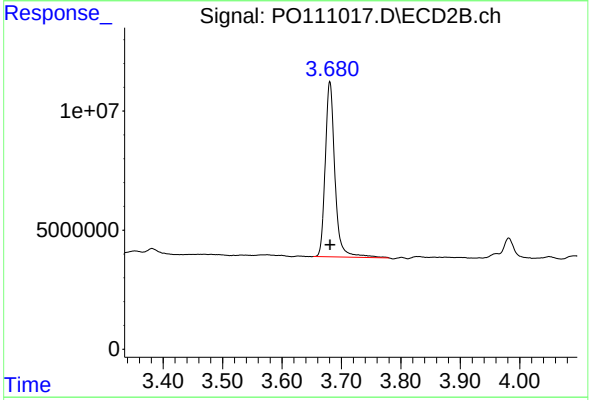




#1 Tetrachloro-m-xylene

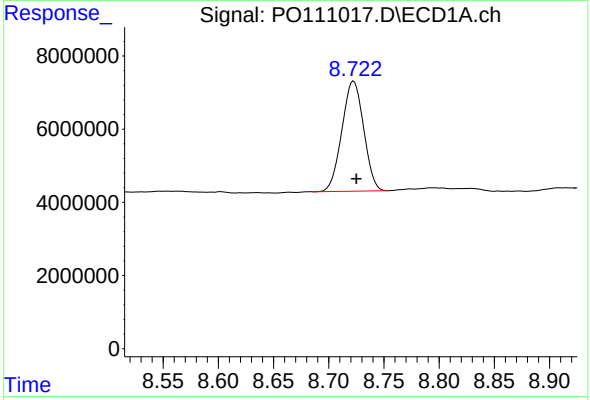
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 95583433
Conc: 16.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725



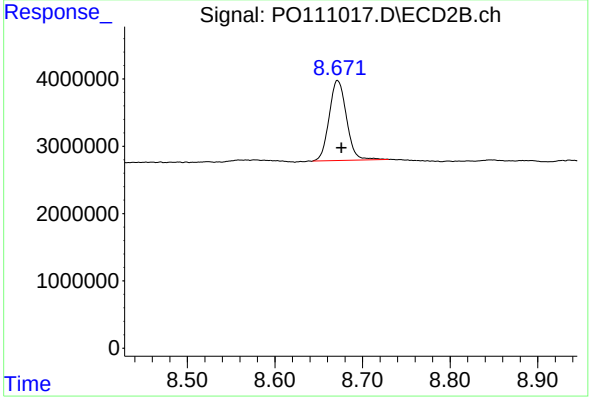
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 83210708
Conc: 17.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.002 min
Response: 41283394
Conc: 6.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 16347489
Conc: 9.69 ng/ml

Raw Data: **PP072008.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-13	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	62.5 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
PP072008.D	1	05/12/25 09:05	05/13/25 10:08	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	13.2	U	6.30	13.2	27.1	ug/kg
11104-28-2	Aroclor-1221	20.8	U	6.40	20.8	27.1	ug/kg
11141-16-5	Aroclor-1232	13.2	U	5.90	13.2	27.1	ug/kg
53469-21-9	Aroclor-1242	13.2	U	6.40	13.2	27.1	ug/kg
12672-29-6	Aroclor-1248	20.8	U	9.40	20.8	27.1	ug/kg
11097-69-1	Aroclor-1254	13.2	U	5.10	13.2	27.1	ug/kg
37324-23-5	Aroclor-1262	20.8	U	8.00	20.8	27.1	ug/kg
11100-14-4	Aroclor-1268	13.2	U	5.70	13.2	27.1	ug/kg
11096-82-5	Aroclor-1260	13.2	U	5.20	13.2	27.1	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.0		44 - 130		90%	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

Sample Results: **PP072008.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:08
Operator : YP\AJ
Sample : Q1984-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.508	3.802	28874056	25295375	14.563	17.957m
2)	SA Decachlor...	10.214	8.826	22900576	16607510	15.815	18.936m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:08
Operator : YP\AJ
Sample : Q1984-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

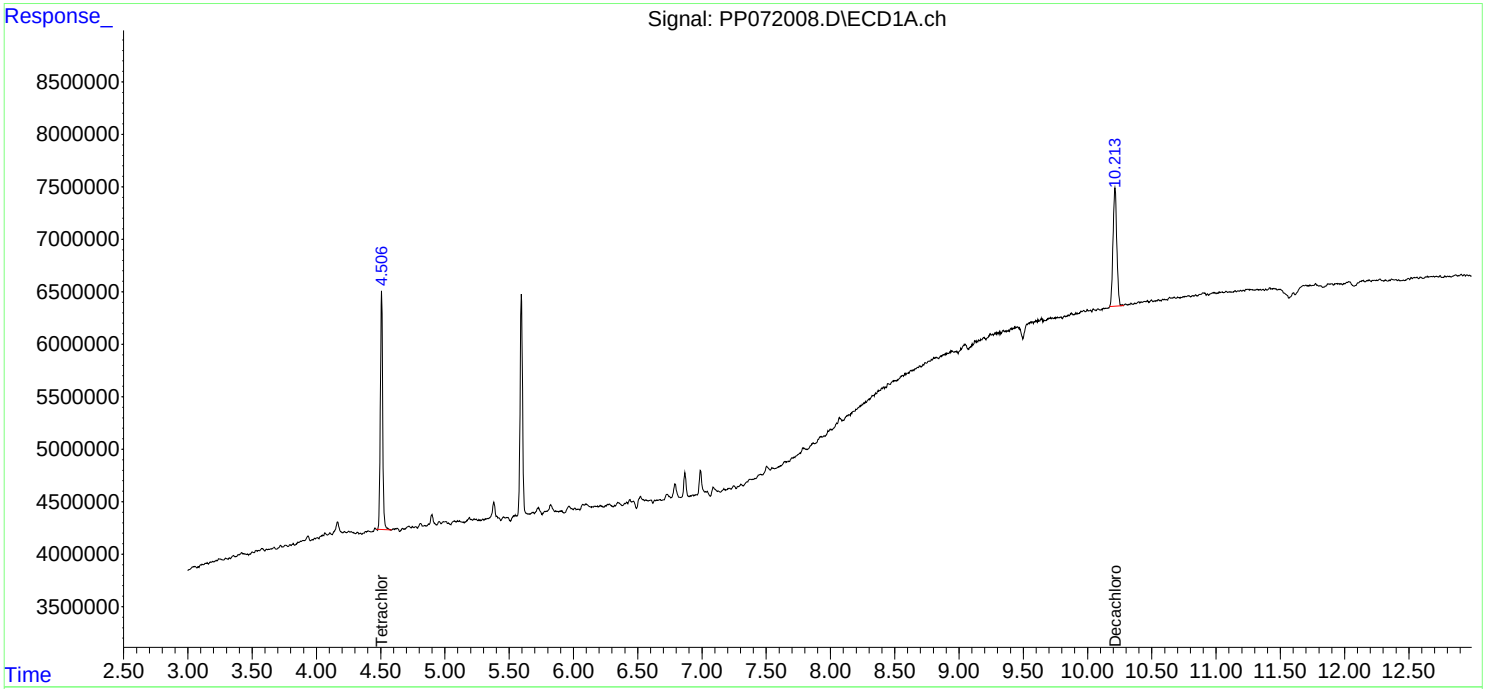
Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725

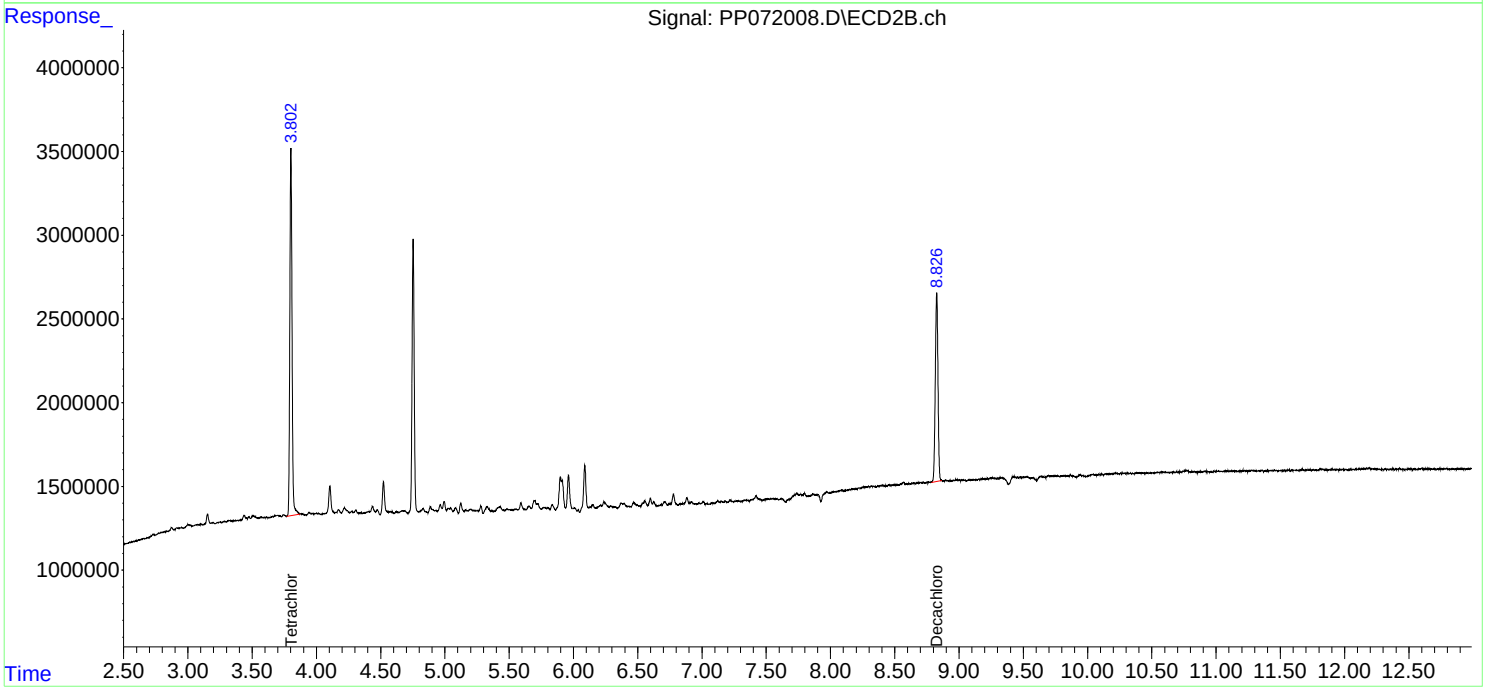
Manual Integrations APPROVED

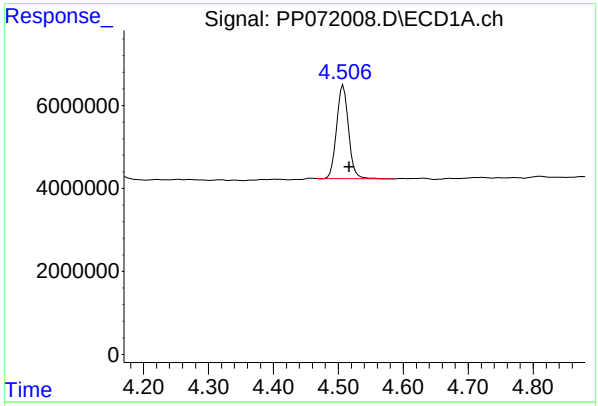
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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







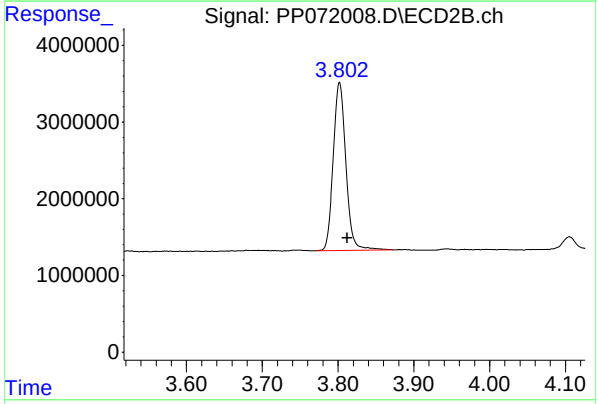
#1 Tetrachloro-m-xylene

R.T.: 4.508 min
Delta R.T.: -0.009 mi
Response: 28874056
Conc: 14.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725

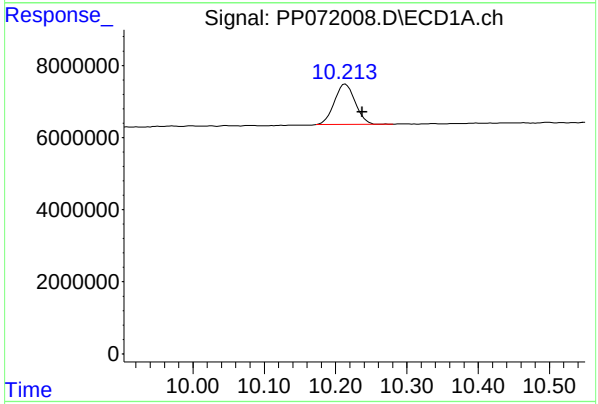
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



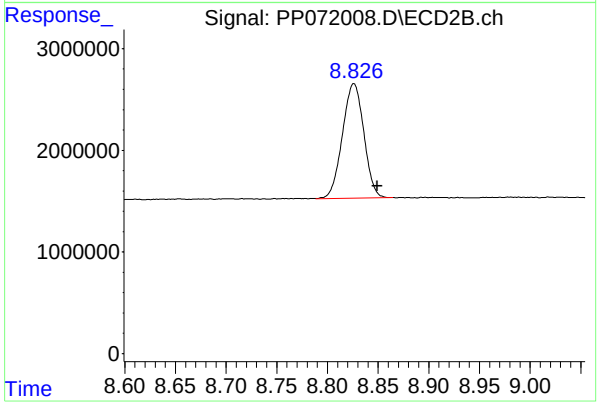
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.011 min
Response: 25295375
Conc: 17.96 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: -0.023 min
Response: 22900576
Conc: 15.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: -0.024 min
Response: 16607510
Conc: 18.94 ng/ml m

Raw Data: **PO111052.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-15	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	64.6 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
PO111052.D	1	05/13/25 08:30	05/14/25 10:49	PB167972

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	5.80	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	9.20	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	13.9		44 - 130		70%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		60 - 125		115%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO111052.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 10:49
Operator : YP/AJ
Sample : Q1984-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-TS-28-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:03:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.679	78651487	67521602	13.748	13.942
2)	SA Decachlor...	8.723	8.672	111.5E6	38684662	18.265	22.928 #
	Target Compounds						

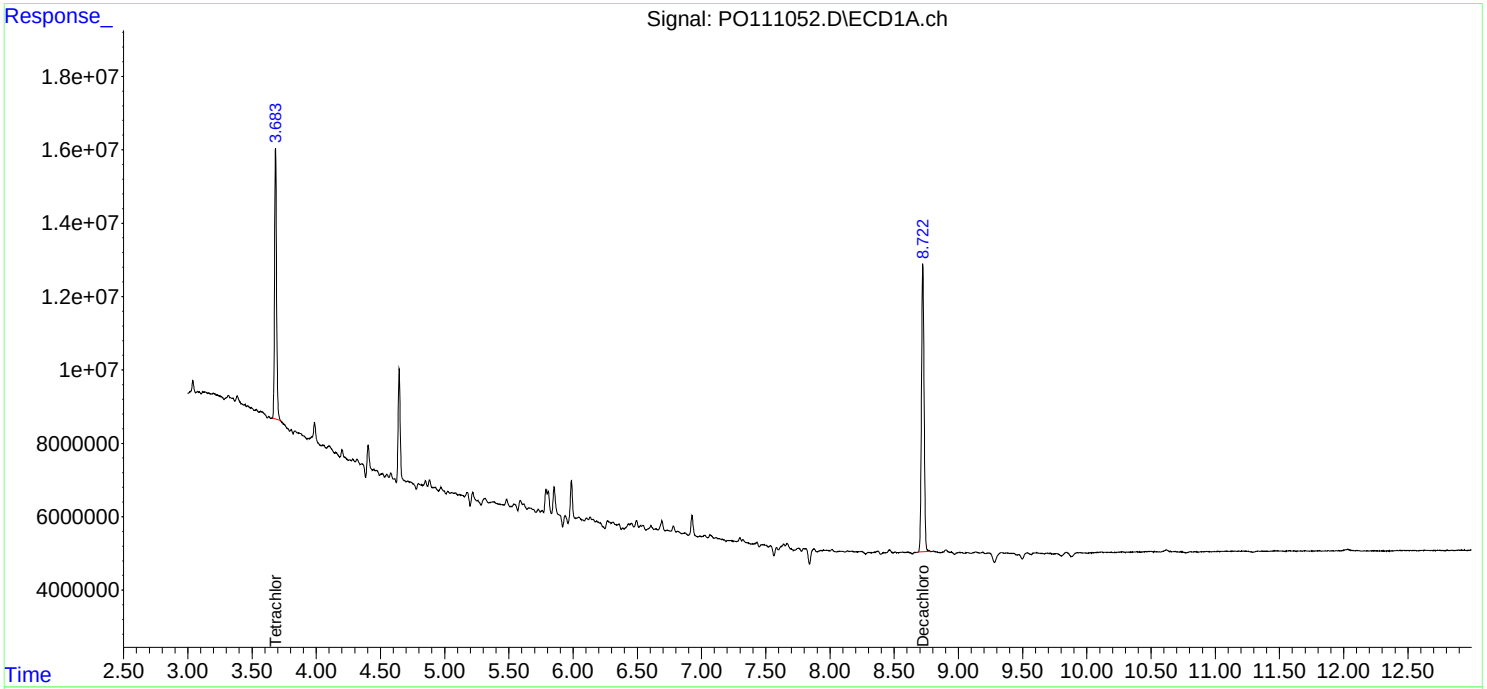
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

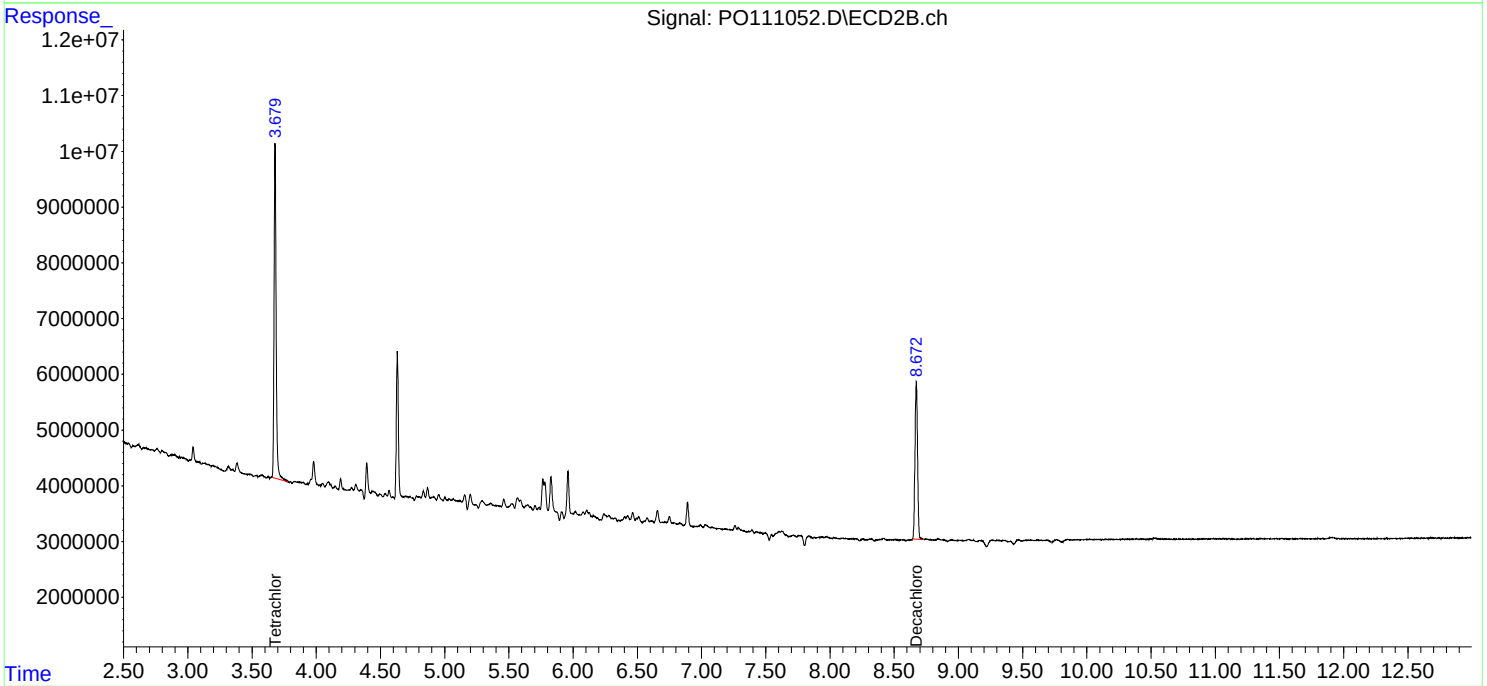
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 10:49
Operator : YP/AJ
Sample : Q1984-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

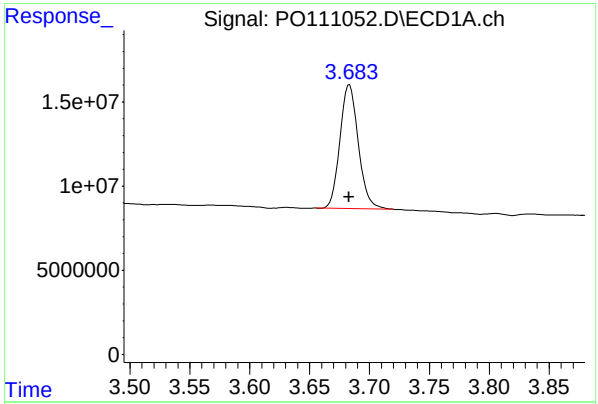
Instrument :
ECD_O
ClientSampleId :
OU4-TS-28-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:03:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



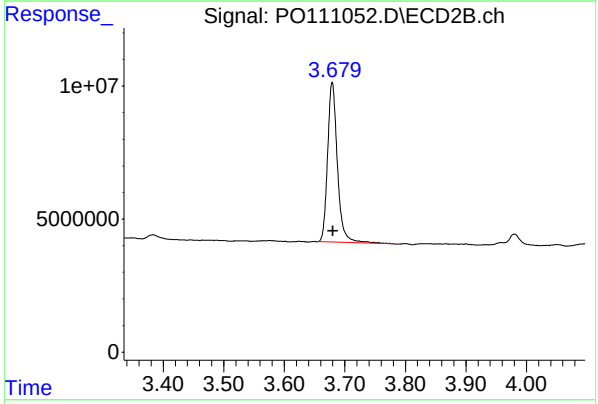




#1 Tetrachloro-m-xylene

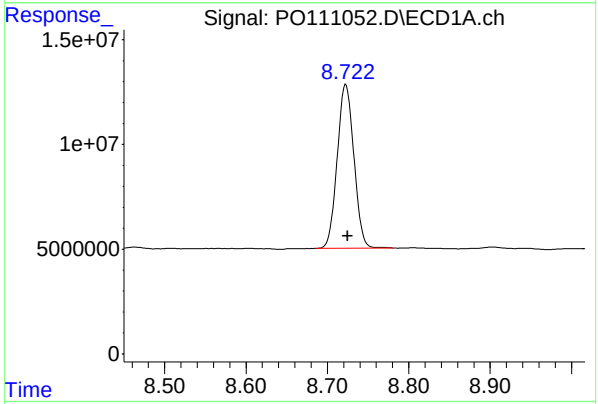
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 78651487
Conc: 13.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-28-050725



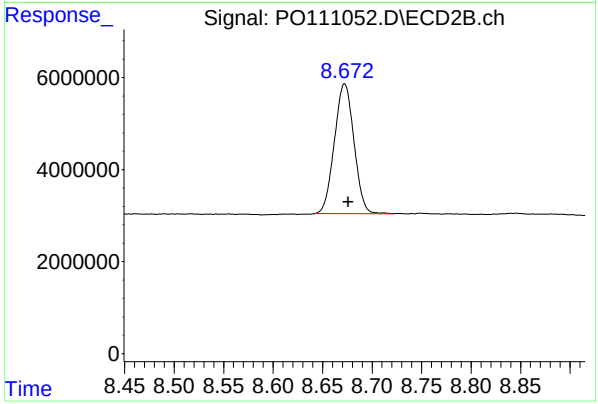
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.001 min
Response: 67521602
Conc: 13.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 111463777
Conc: 18.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 38684662
Conc: 22.93 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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

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

Calibration Times: 09:45 18:29

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

LAB FILE ID: RT 1000 = PO110892.D RT 750 = PO110893.D

RT 500 = PO110894.D RT 250 = PO110895.D RT 050 = PO110896.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.77	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-2	(2)	4.80	4.80	4.79	4.80	4.79	4.79	4.69	4.89
Aroclor-1016-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1016-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1260-2	(2)	6.46	6.46	6.46	6.46	6.46	6.46	6.36	6.56
Aroclor-1260-3	(3)	6.83	6.83	6.82	6.83	6.82	6.82	6.72	6.92
Aroclor-1260-4	(4)	7.09	7.09	7.08	7.09	7.08	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Decachlorobiphenyl		8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene		3.69	3.69	3.68	3.69	3.68	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.79	4.80	4.80	4.80	4.79	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1242-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-5	(5)	5.62	5.63	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1	(1)	4.78	4.78	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1248-4	(4)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene		3.69	3.69	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1254-4	(4)	6.37	6.37	6.37	6.37	6.37	6.37	6.27	6.47
Aroclor-1254-5	(5)	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Decachlorobiphenyl		8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene		3.69	3.69	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-2	(2)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Aroclor-1268-3	(3)	7.88	7.88	7.88	7.88	7.88	7.88	7.78	7.98
Aroclor-1268-4	(4)	8.17	8.17	8.17	8.17	8.17	8.17	8.07	8.27
Aroclor-1268-5	(5)	8.47	8.47	8.47	8.47	8.47	8.47	8.37	8.57

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene	3.69	3.68	3.68	3.68	3.68	3.68	3.58	3.78

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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

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

Calibration Times: 09:45 18:29

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

LAB FILE ID: RT 1000 = PO110892.D RT 750 = PO110893.D

RT 500 = PO110894.D RT 250 = PO110895.D RT 050 = PO110896.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.96	4.96	4.95	4.96	4.95	4.96	4.86	5.06
Aroclor-1016-4	(4)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1260-2	(2)	6.43	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-3	(3)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Aroclor-1260-4	(4)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aroclor-1260-5	(5)	7.29	7.29	7.29	7.29	7.29	7.29	7.19	7.39
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.95	4.95	4.96	4.96	4.95	4.95	4.85	5.05
Aroclor-1242-4	(4)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1242-5	(5)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1248-4	(4)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1248-5	(5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Aroclor-1254-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1254-4	(4)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-5	(5)	6.76	6.75	6.76	6.76	6.75	6.76	6.66	6.86
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.58	7.58	7.58	7.58	7.57	7.58	7.48	7.68
Aroclor-1268-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1268-3	(3)	7.85	7.85	7.85	7.85	7.85	7.85	7.75	7.95
Aroclor-1268-4	(4)	8.13	8.13	8.13	8.13	8.13	8.13	8.03	8.23
Aroclor-1268-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52

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

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene	3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78

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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

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

Calibration Times: 09:45 18:29

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

LAB FILE ID: **CF 1000 =** PO110892.D **CF 750 =** PO110893.D

CF 500 = PO110894.D **CF 250 =** PO110895.D **CF 050 =** PO110896.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	205272828	215983025	220080828	235959088	227775760	221014306	5
Aroclor-1016-2	(2)	293649877	304461169	310578602	332973160	309197320	310172026	5
Aroclor-1016-3	(3)	200575527	209792187	228714718	228670052	275757960	228702089	13
Aroclor-1016-4	(4)	157876141	164543576	165703006	180476220	167365060	167192801	5
Aroclor-1016-5	(5)	165250516	172786223	176016614	187973036	188417460	178088770	6
Aroclor-1260-1	(1)	299528495	310321508	357380970	344999836	350884960	332623154	8
Aroclor-1260-2	(2)	375796209	385860701	423713836	432768876	455924780	414812880	8
Aroclor-1260-3	(3)	331231566	345042447	348673676	380747372	355635520	352266116	5
Aroclor-1260-4	(4)	287326179	298526096	307780692	326694172	300854140	304236256	5
Aroclor-1260-5	(5)	714199547	732981263	738786548	770004572	715959260	734386238	3
Decachlorobiphenyl		5762043410	5976019093	6119819720	6535356640	6119083200	6102464413	5
Tetrachloro-m-xylene		5640516600	5793090093	5814049480	5979617160	5376745600	5720803787	4
Aroclor-1242-1	(1)	176981853	185116560	185903338	191867692	179768720	183927633	3
Aroclor-1242-2	(2)	248451544	259422057	262337068	268657800	249152060	257604106	3
Aroclor-1242-3	(3)	171468652	180242387	187546770	185300204	185990780	182109759	4
Aroclor-1242-4	(4)	135335611	141504689	137968130	144888608	138568260	139653060	3
Aroclor-1242-5	(5)	144449327	152342121	161991074	160079152	160611300	155894595	5
Decachlorobiphenyl		5888460680	6135811280	6361723380	6789227280	6534385000	6341921524	5
Tetrachloro-m-xylene		5816337050	5952986400	5895080000	5859556880	5258170400	5756426146	5
Aroclor-1248-1	(1)	121536205	127705265	130603610	144623292	132343180	131362310	6
Aroclor-1248-2	(2)	162731657	171357039	171082906	193805280	177185940	175232564	7
Aroclor-1248-3	(3)	203361335	212932001	224036516	237622448	224385900	220467640	6
Aroclor-1248-4	(4)	300072071	315606644	331791156	346867216	344233840	327714185	6
Aroclor-1248-5	(5)	214600452	227122772	239037018	247001276	239477160	233447736	5
Decachlorobiphenyl		5890541470	6016185987	6113782300	6522801160	6218016400	6152265463	4
Tetrachloro-m-xylene		5360495470	5533054973	5662822400	5992082280	5333513200	5576393665	5
Aroclor-1254-1	(1)	319345291	329724384	340849730	358341332	339594100	337570967	4
Aroclor-1254-2	(2)	276203446	284791309	279985404	309908104	287617260	287701105	5
Aroclor-1254-3	(3)	446238177	457590699	450758250	483882000	448018680	457297561	3
Aroclor-1254-4	(4)	292919199	302510501	306441382	325562828	296693300	304825442	4
Aroclor-1254-5	(5)	404187735	415856485	428424788	442235180	418736540	421888146	3
Decachlorobiphenyl		5824726420	5999804813	6165911280	6499697280	6156562800	6129340519	4
Tetrachloro-m-xylene		5742417230	5862219200	5650151880	5979436800	5275508000	5701946622	5
Aroclor-1268-1	(1)	896153865	926162523	941758782	962020664	723117100	889842587	11

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

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

Calibration Times: 09:45 18:29

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

LAB FILE ID: **CF 1000 =** PO110892.D **CF 750 =** PO110893.D

CF 500 = PO110894.D **CF 250 =** PO110895.D **CF 050 =** PO110896.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	149864780	155342161	160079260	169311912	159788520	158877327	5
Aroclor-1016-2	(2)	219190287	226881592	230228012	243078600	223459140	228567526	4
Aroclor-1016-3	(3)	115546215	120208939	121092586	129522560	123310560	121936172	4
Aroclor-1016-4	(4)	93391182	97789509	98795898	109141820	104686600	100761002	6
Aroclor-1016-5	(5)	121423362	126889816	129833168	138823224	140043820	131402678	6
Aroclor-1260-1	(1)	204930694	212718488	227899190	231696056	226602120	220769310	5
Aroclor-1260-2	(2)	239681762	248766996	261166512	271700624	264826280	257228435	5
Aroclor-1260-3	(3)	221530151	228751101	234453782	244020668	236962940	233143728	4
Aroclor-1260-4	(4)	170273922	175982431	180266706	192386684	191569220	182095793	5
Aroclor-1260-5	(5)	381142655	390353621	394137820	413580012	386753940	393193610	3
Decachlorobiphenyl		1565991170	1628694360	1670678300	1820043040	1750865000	1687254374	6
Tetrachloro-m-xylene		4873476820	4959692227	4943730000	5053567440	4385038400	4843100977	5
Aroclor-1242-1	(1)	126696062	131244364	133543764	137462260	132686540	132326598	3
Aroclor-1242-2	(2)	183881128	190537707	191119380	198040176	186792600	190074198	3
Aroclor-1242-3	(3)	97737881	100991139	100728974	105443604	101703080	101320936	3
Aroclor-1242-4	(4)	96899292	100789483	101848010	108282984	110731860	103710326	5
Aroclor-1242-5	(5)	117846629	122764163	128470028	129569412	134178400	126565726	5
Decachlorobiphenyl		1581409100	1651702053	1723068280	1854149680	1841501800	1730366183	7
Tetrachloro-m-xylene		4949133850	5031153467	4951741480	4917316560	4332160200	4836301111	6
Aroclor-1248-1	(1)	87941740	92961549	95706288	105890496	99374720	96374959	7
Aroclor-1248-2	(2)	122909953	128143691	129857510	147382408	147315620	135121836	8
Aroclor-1248-3	(3)	130631111	136650091	140843376	155821620	161768460	145142932	9
Aroclor-1248-4	(4)	152910119	159634252	167154668	179556460	178325460	167516192	7
Aroclor-1248-5	(5)	153836776	160964761	166669664	176993068	180929020	167878658	7
Decachlorobiphenyl		1588810710	1628189973	1677509060	1824689280	1788158000	1701471405	6
Tetrachloro-m-xylene		4523432400	4647961000	4697197520	4921079920	4297819000	4617497968	5
Aroclor-1254-1	(1)	235828564	243322039	251373422	265906824	258688780	251023926	5
Aroclor-1254-2	(2)	204202116	211503215	212412124	232810672	230002440	218186113	6
Aroclor-1254-3	(3)	321967296	329739988	331218024	352064504	336057900	334209542	3
Aroclor-1254-4	(4)	186026034	191129692	193993898	207080376	192576100	194161220	4
Aroclor-1254-5	(5)	258387827	265723240	269125052	284271756	263896920	268280959	4
Decachlorobiphenyl		1596471620	1664497613	1770754040	1862933480	1793707400	1737672831	6
Tetrachloro-m-xylene		4892916100	4959789800	4827954520	5059694080	4400436000	4828158100	5
Aroclor-1268-1	(1)	431329394	443482049	458800046	475095940	346070080	430955502	12

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

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

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

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

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

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

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

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

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

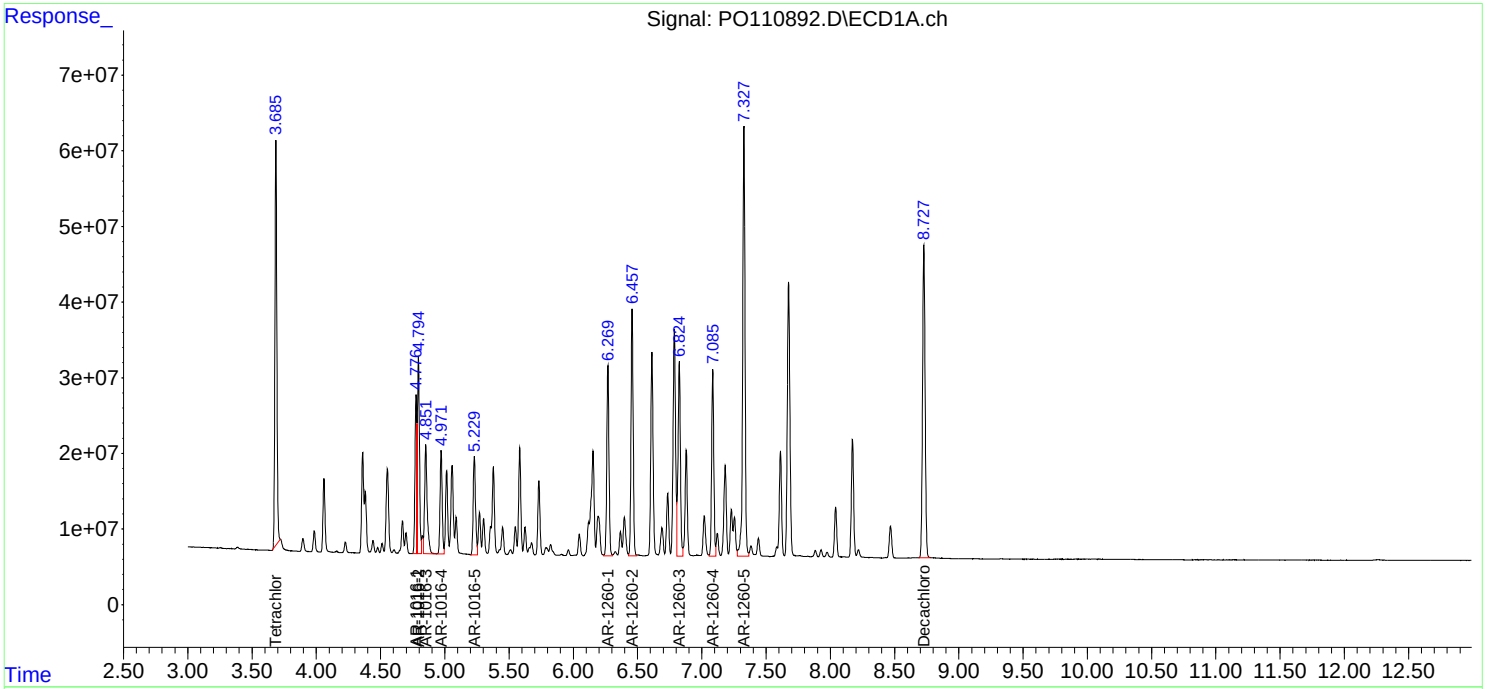
ICAL Form

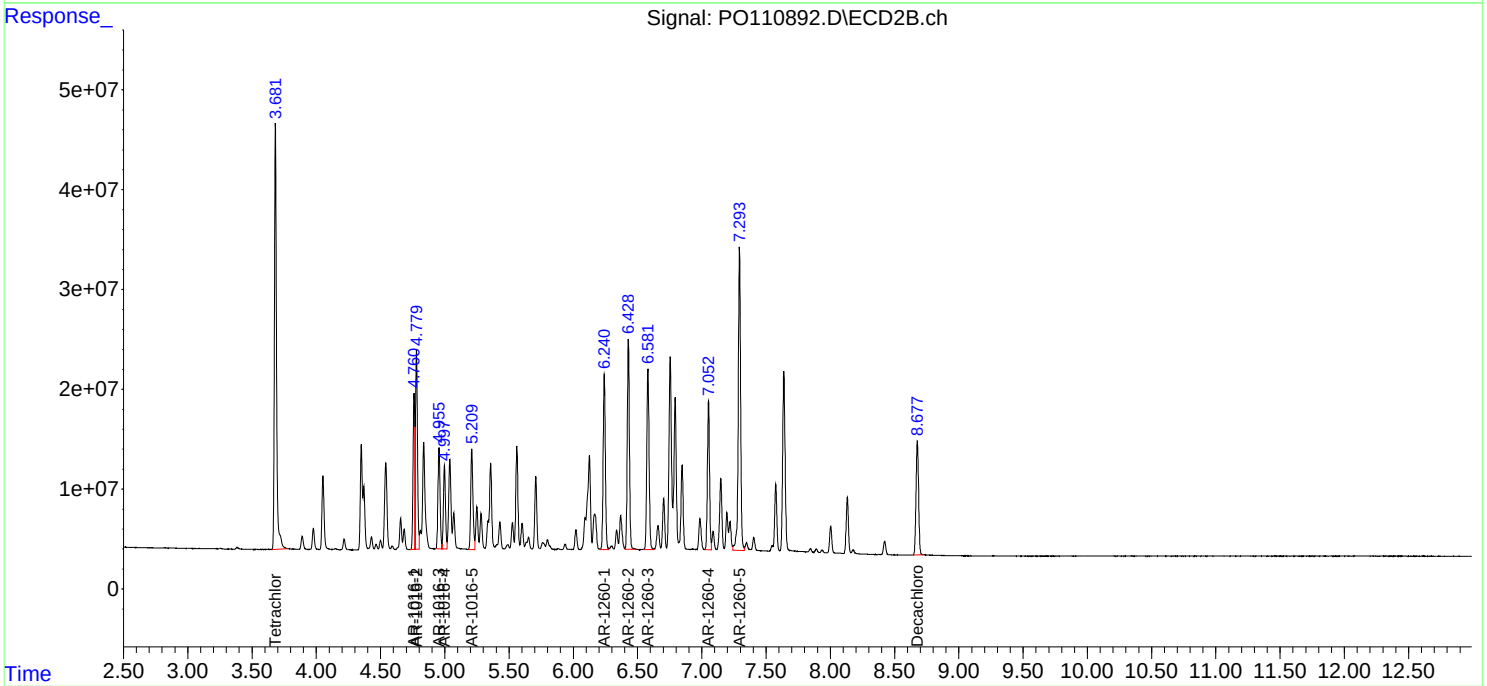
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 09:45
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

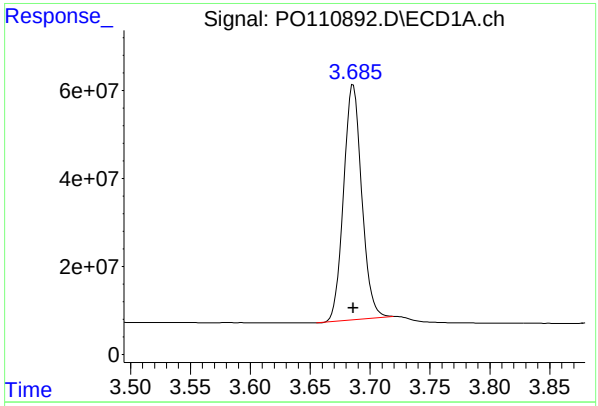
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

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

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



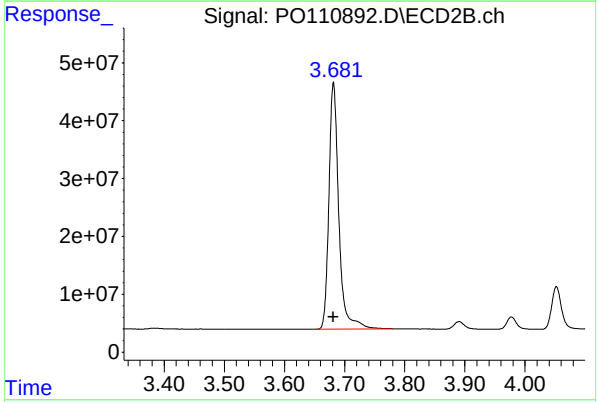




#1 Tetrachloro-m-xylene

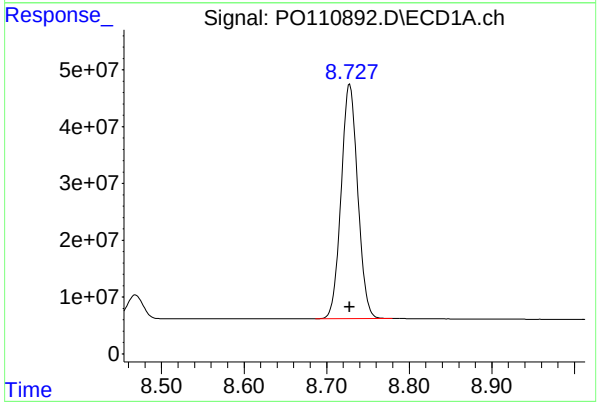
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 564051660
Conc: 98.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



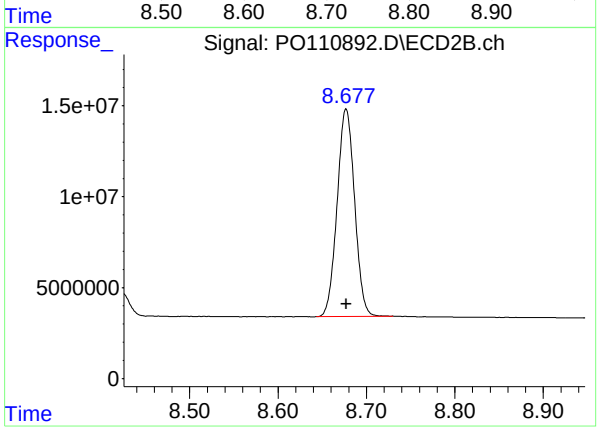
#1 Tetrachloro-m-xylene

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



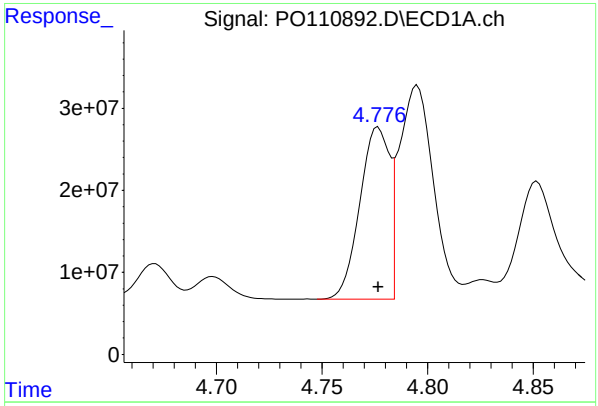
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

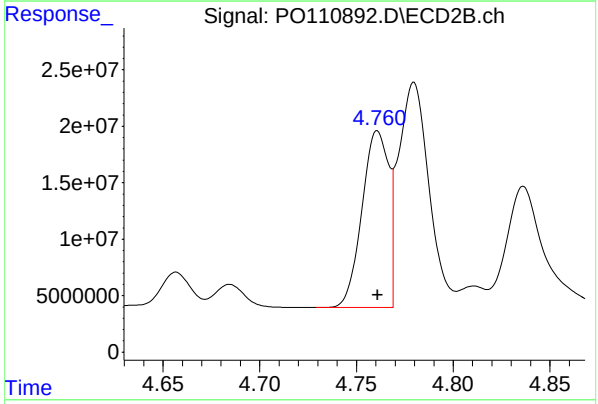
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 156599117
Conc: 96.77 ng/ml



#3 AR-1016-1

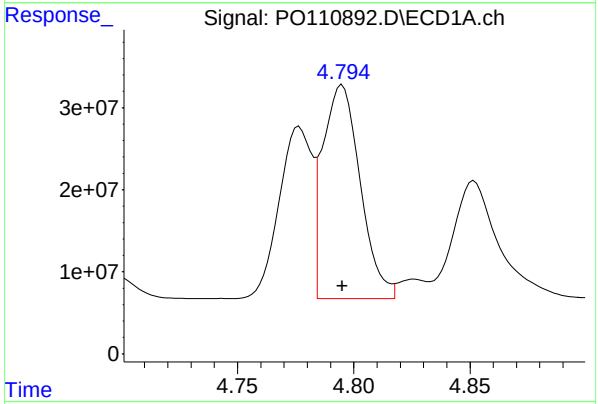
R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 205272828
Conc: 965.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



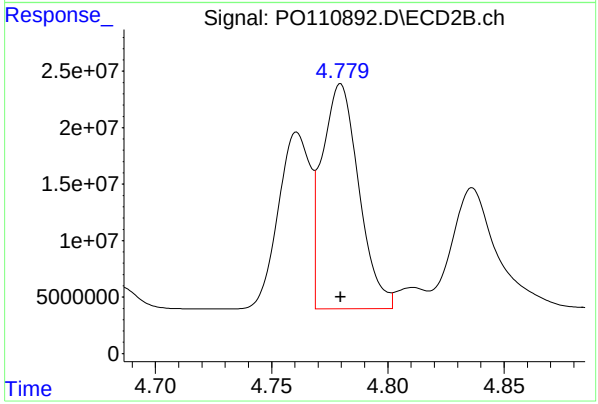
#3 AR-1016-1

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



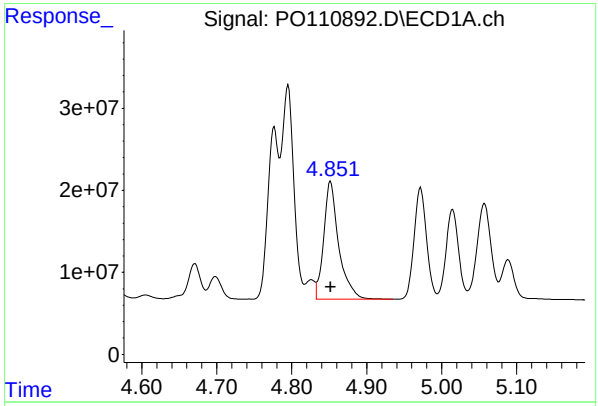
#4 AR-1016-2

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



#4 AR-1016-2

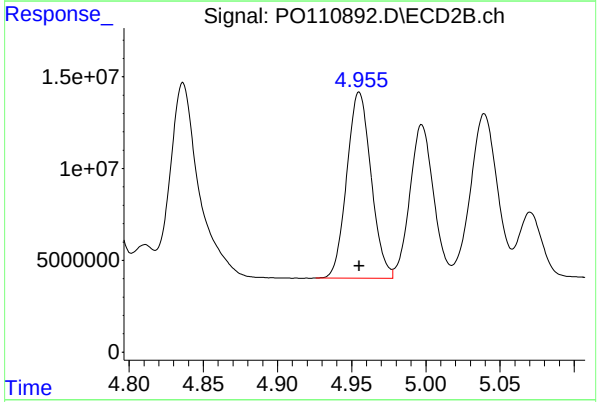
R.T.: 4.780 min
Delta R.T.: 0.000 min
Response: 219190287
Conc: 975.44 ng/ml



#5 AR-1016-3

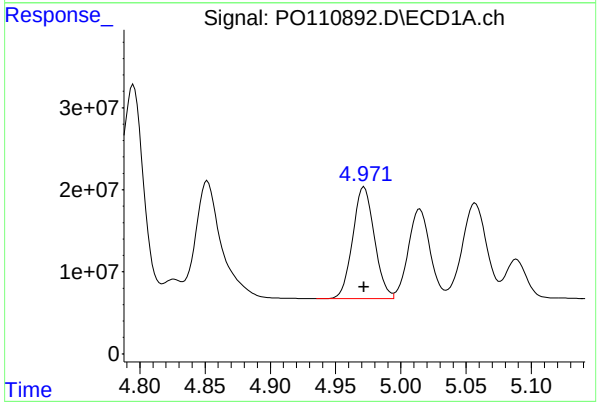
R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 200575527
Conc: 934.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



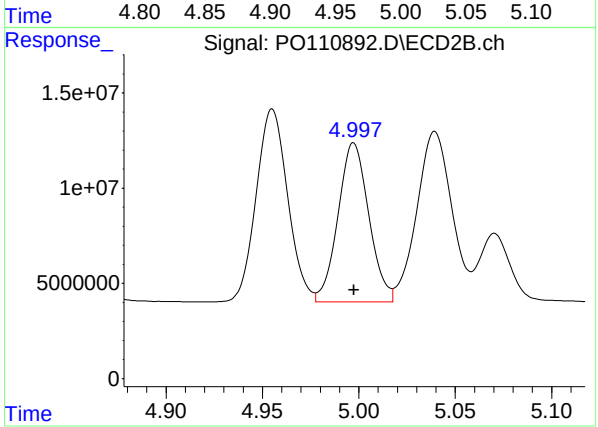
#5 AR-1016-3

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



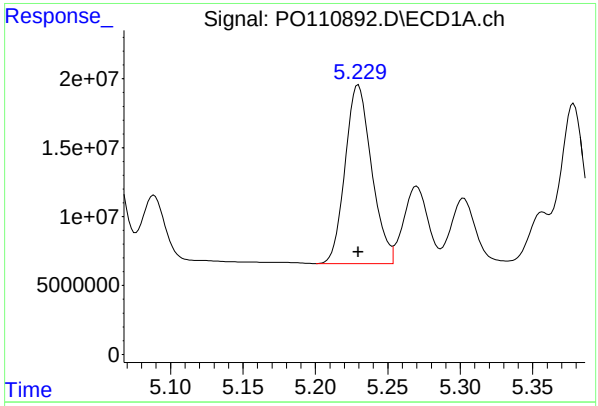
#6 AR-1016-4

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



#6 AR-1016-4

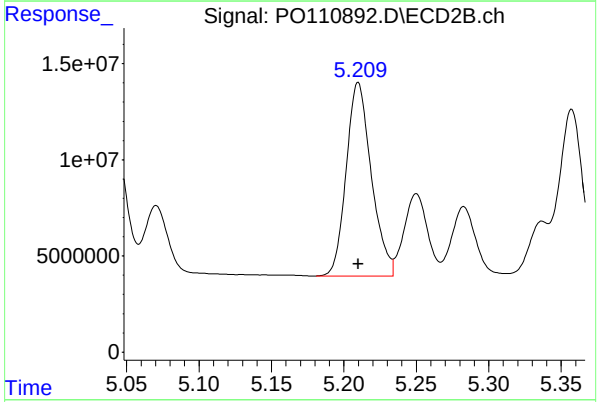
R.T.: 4.997 min
Delta R.T.: 0.000 min
Response: 93391182
Conc: 971.88 ng/ml



#7 AR-1016-5

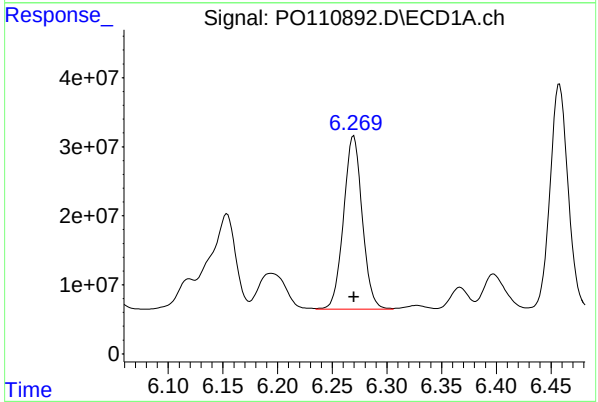
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 165250516
Conc: 968.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



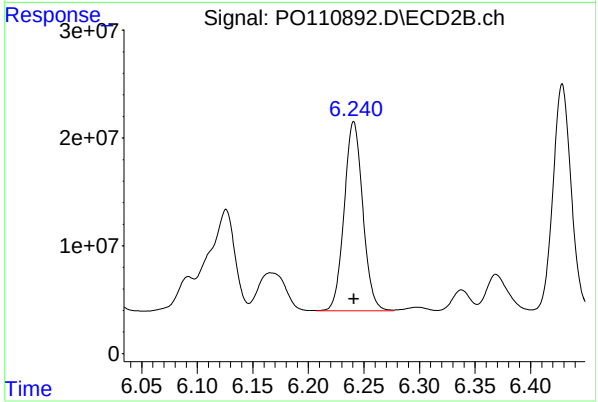
#7 AR-1016-5

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



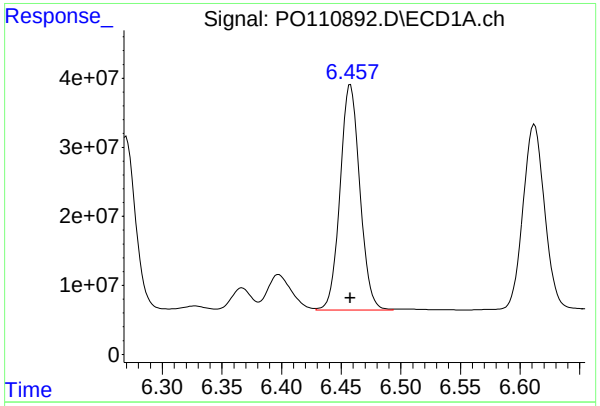
#31 AR-1260-1

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



#31 AR-1260-1

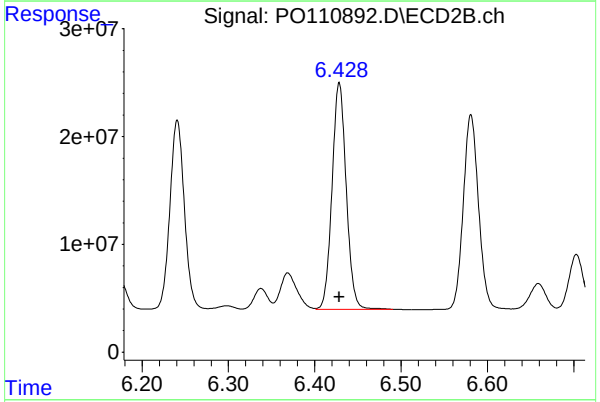
R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 204930694
Conc: 946.93 ng/ml



#32 AR-1260-2

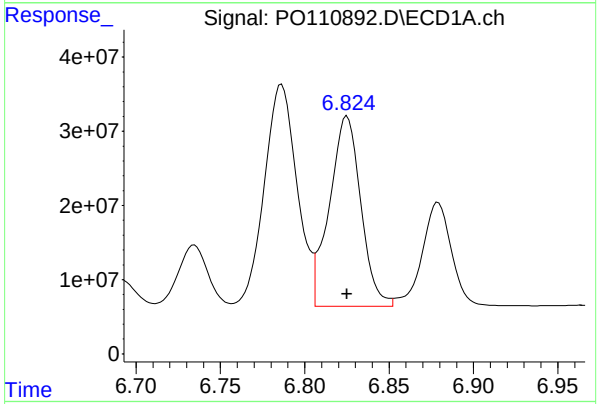
R.T.: 6.458 min
Delta R.T.: 0.000 min
Response: 375796209
Conc: 940.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



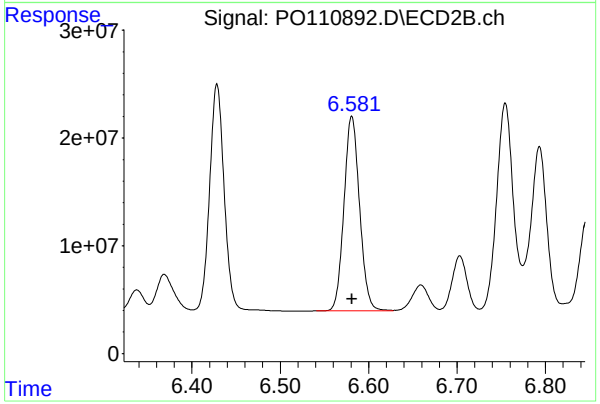
#32 AR-1260-2

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



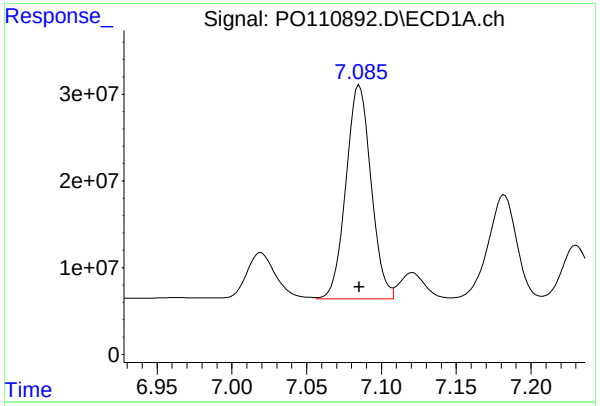
#33 AR-1260-3

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



#33 AR-1260-3

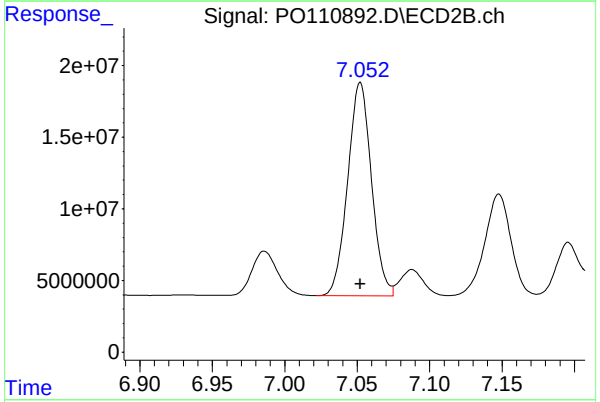
R.T.: 6.581 min
Delta R.T.: 0.000 min
Response: 221530151
Conc: 971.66 ng/ml



#34 AR-1260-4

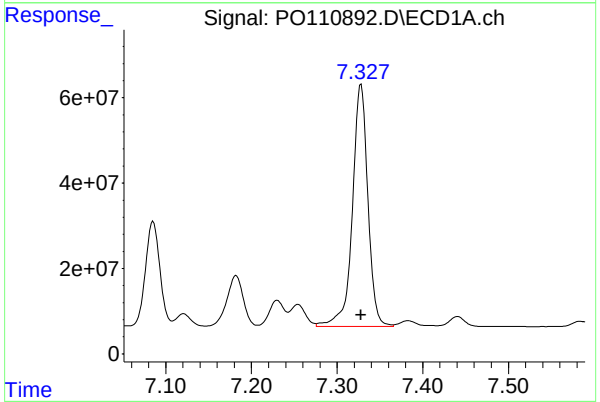
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 287326179
Conc: 965.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



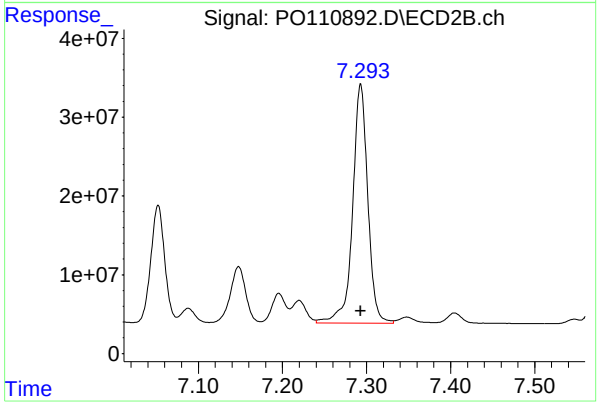
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

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

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

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

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

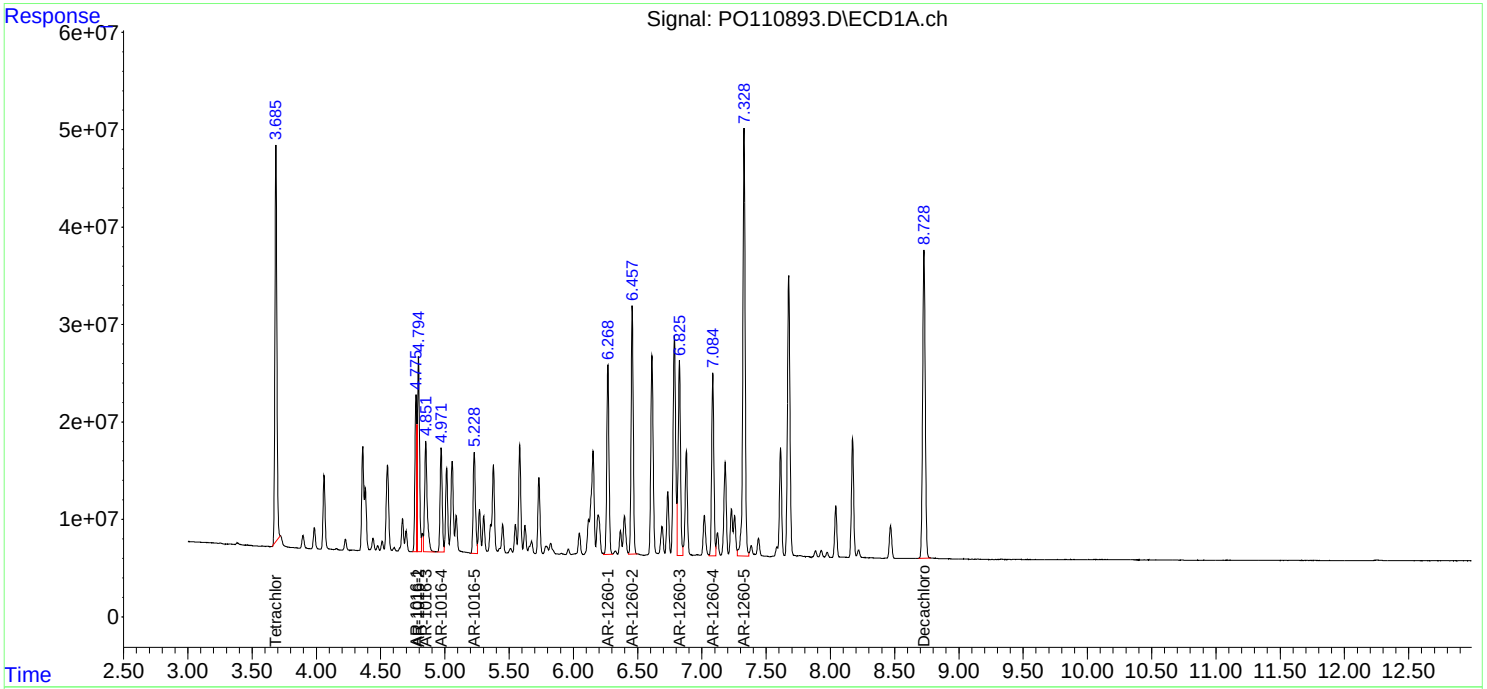
ICAL Form

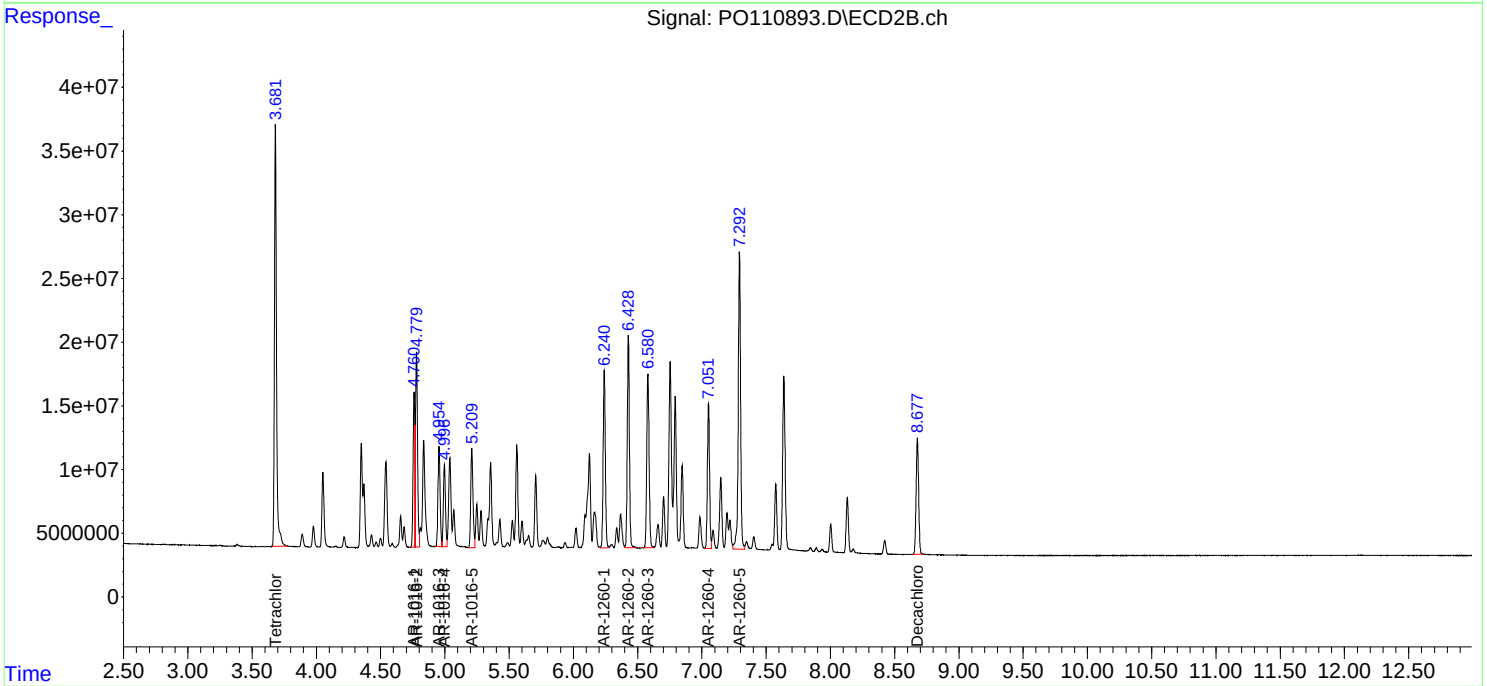
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:04
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

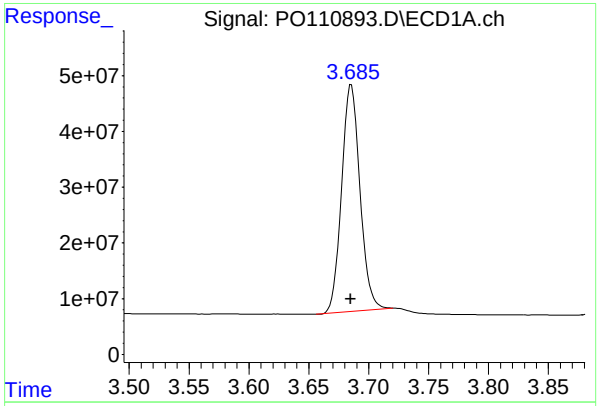
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

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

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



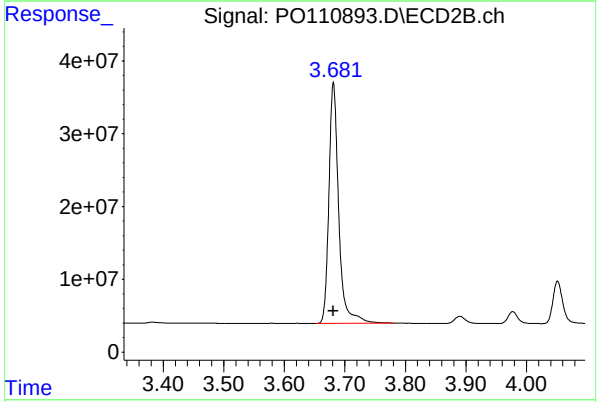




#1 Tetrachloro-m-xylene

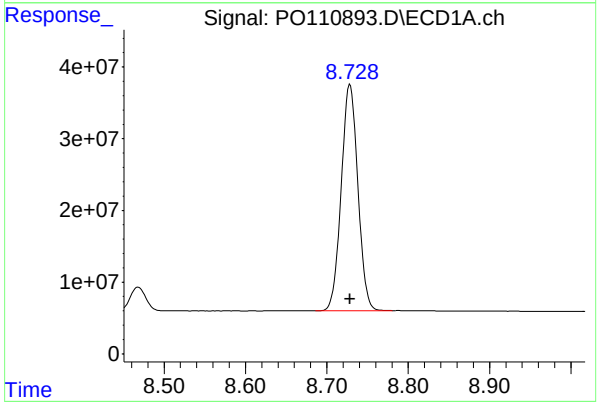
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 434481757
Conc: 75.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



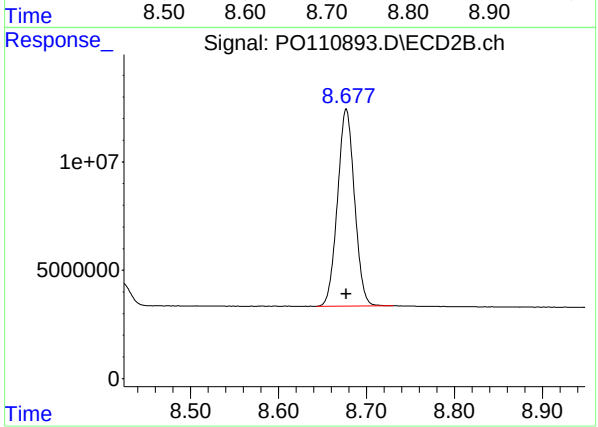
#1 Tetrachloro-m-xylene

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



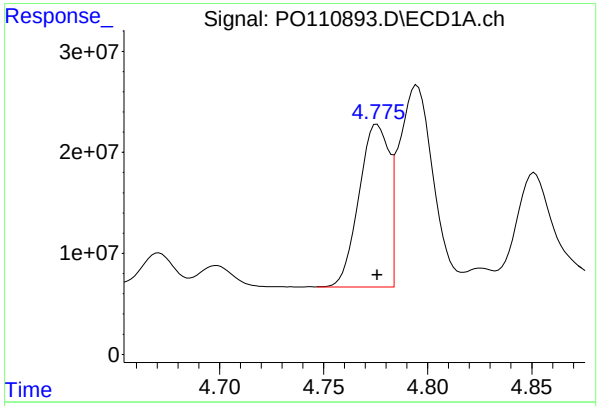
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

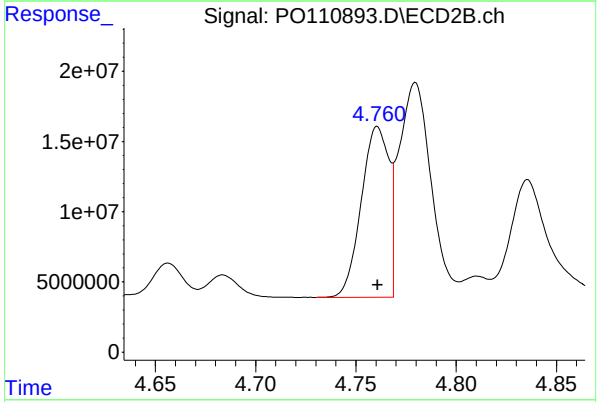
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 122152077
Conc: 75.32 ng/ml



#3 AR-1016-1

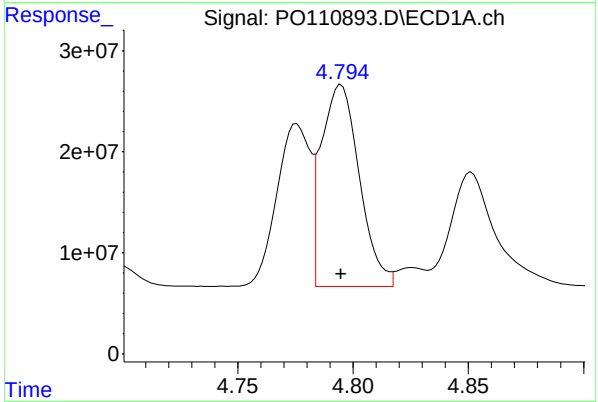
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 161987269
Conc: 757.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



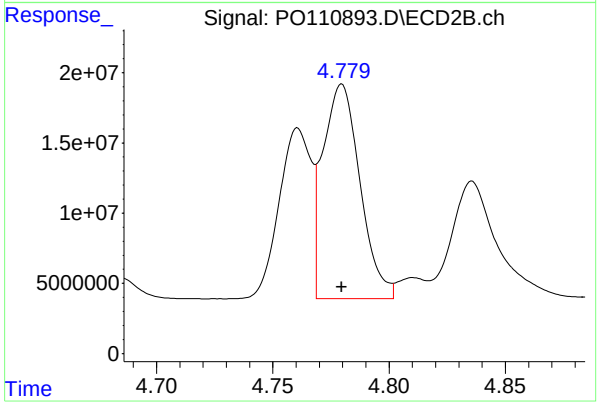
#3 AR-1016-1

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



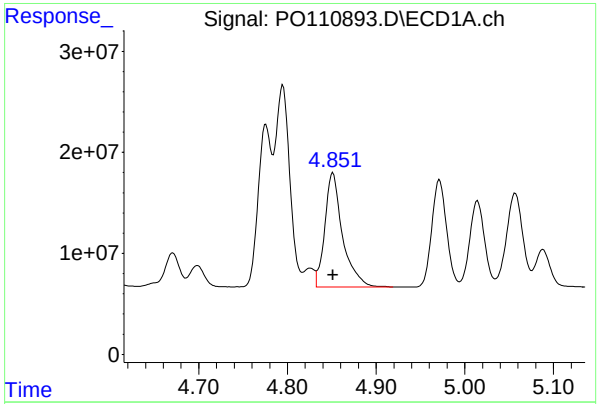
#4 AR-1016-2

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



#4 AR-1016-2

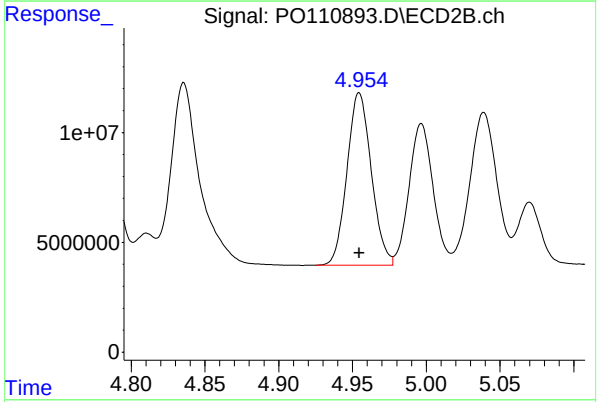
R.T.: 4.780 min
Delta R.T.: 0.000 min
Response: 170161194
Conc: 754.82 ng/ml



#5 AR-1016-3

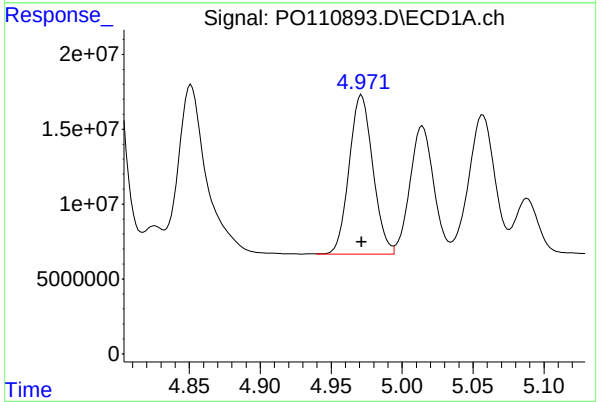
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 157344140
Conc: 738.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



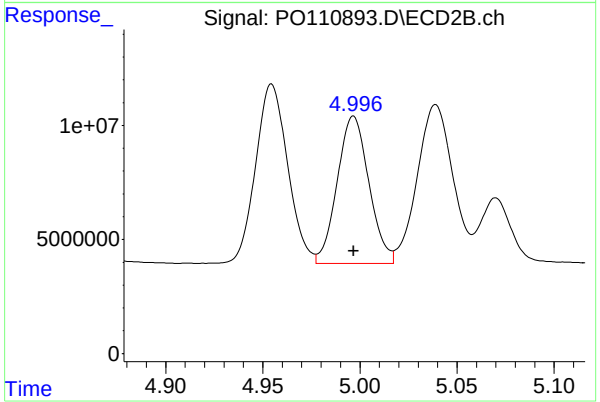
#5 AR-1016-3

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



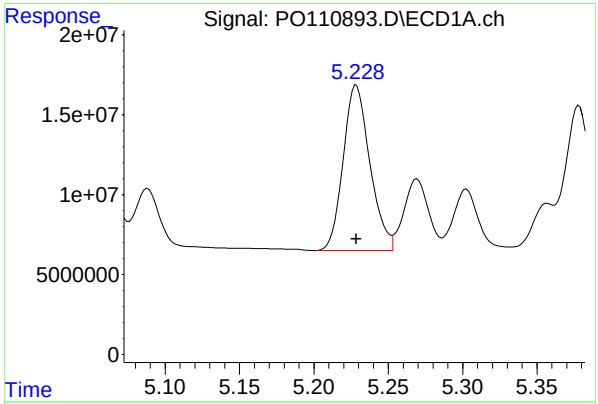
#6 AR-1016-4

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



#6 AR-1016-4

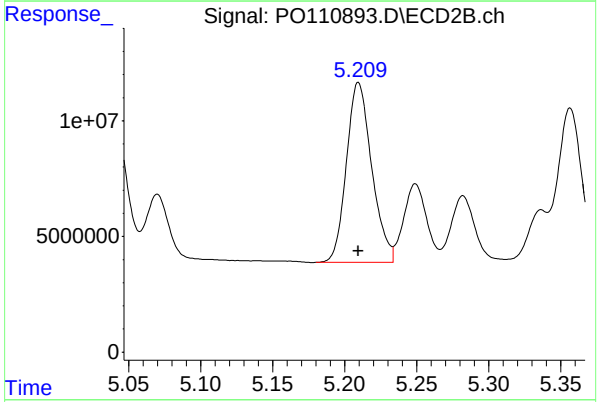
R.T.: 4.997 min
Delta R.T.: 0.000 min
Response: 73342132
Conc: 758.77 ng/ml



#7 AR-1016-5

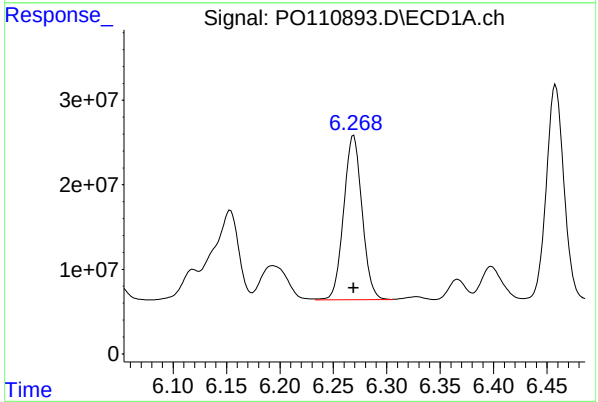
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 129589667
Conc: 756.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



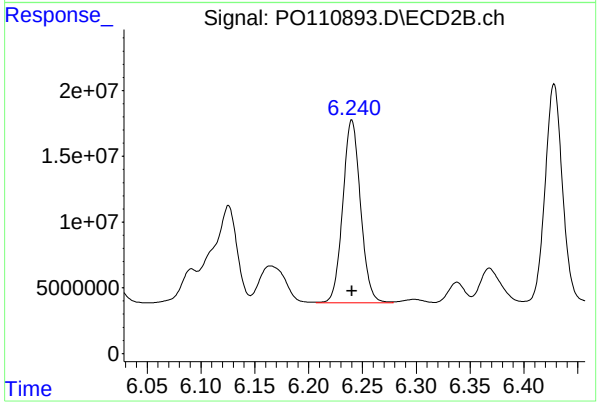
#7 AR-1016-5

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



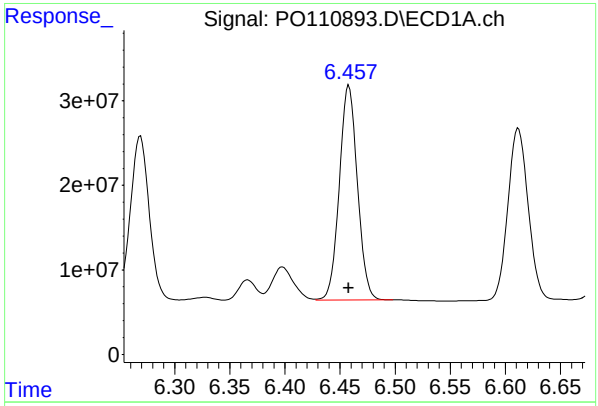
#31 AR-1260-1

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



#31 AR-1260-1

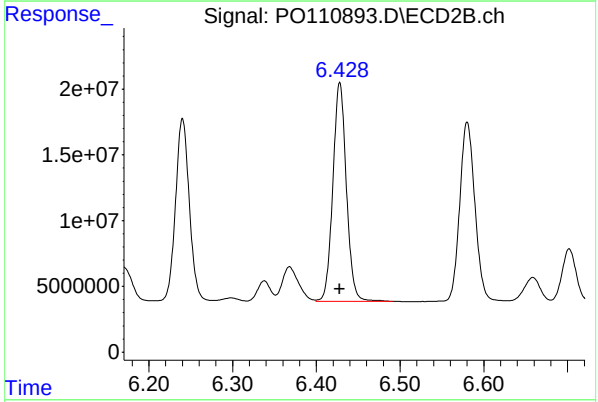
R.T.: 6.240 min
Delta R.T.: 0.000 min
Response: 159538866
Conc: 741.41 ng/ml



#32 AR-1260-2

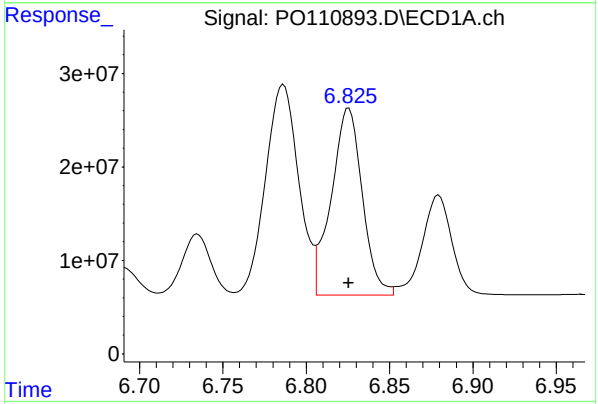
R.T.: 6.458 min
Delta R.T.: 0.000 min
Response: 289395526
Conc: 732.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



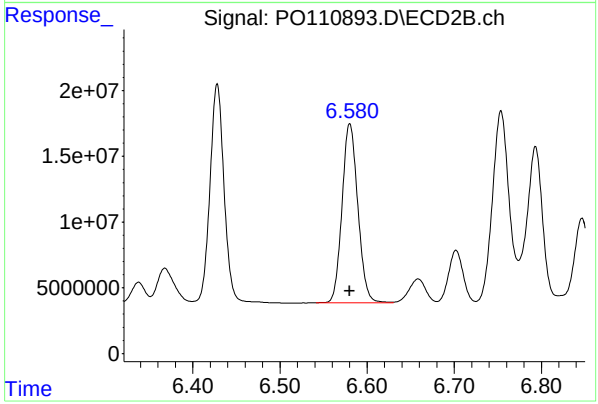
#32 AR-1260-2

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



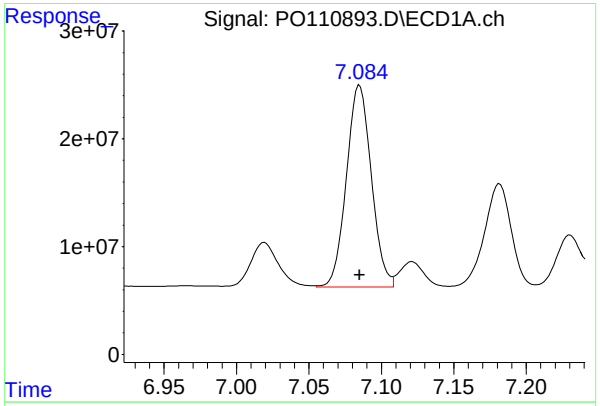
#33 AR-1260-3

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



#33 AR-1260-3

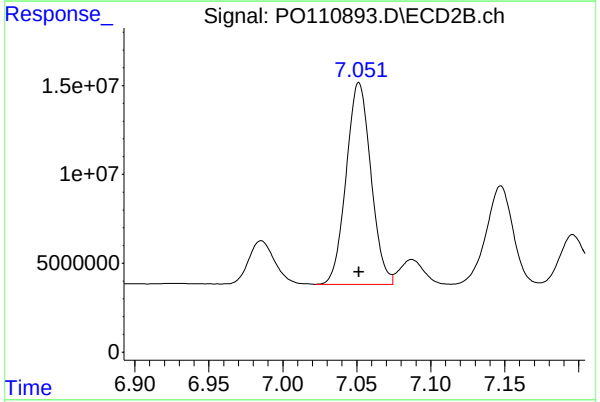
R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 171563326
Conc: 751.66 ng/ml



#34 AR-1260-4

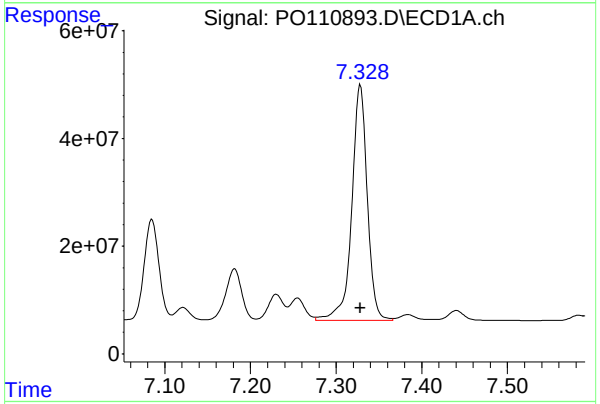
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 223894572
Conc: 751.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



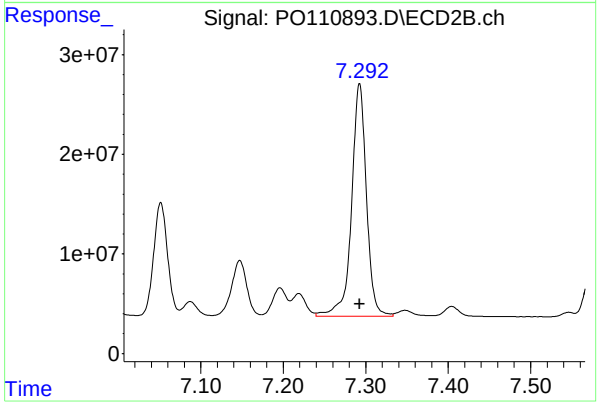
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

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

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

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

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

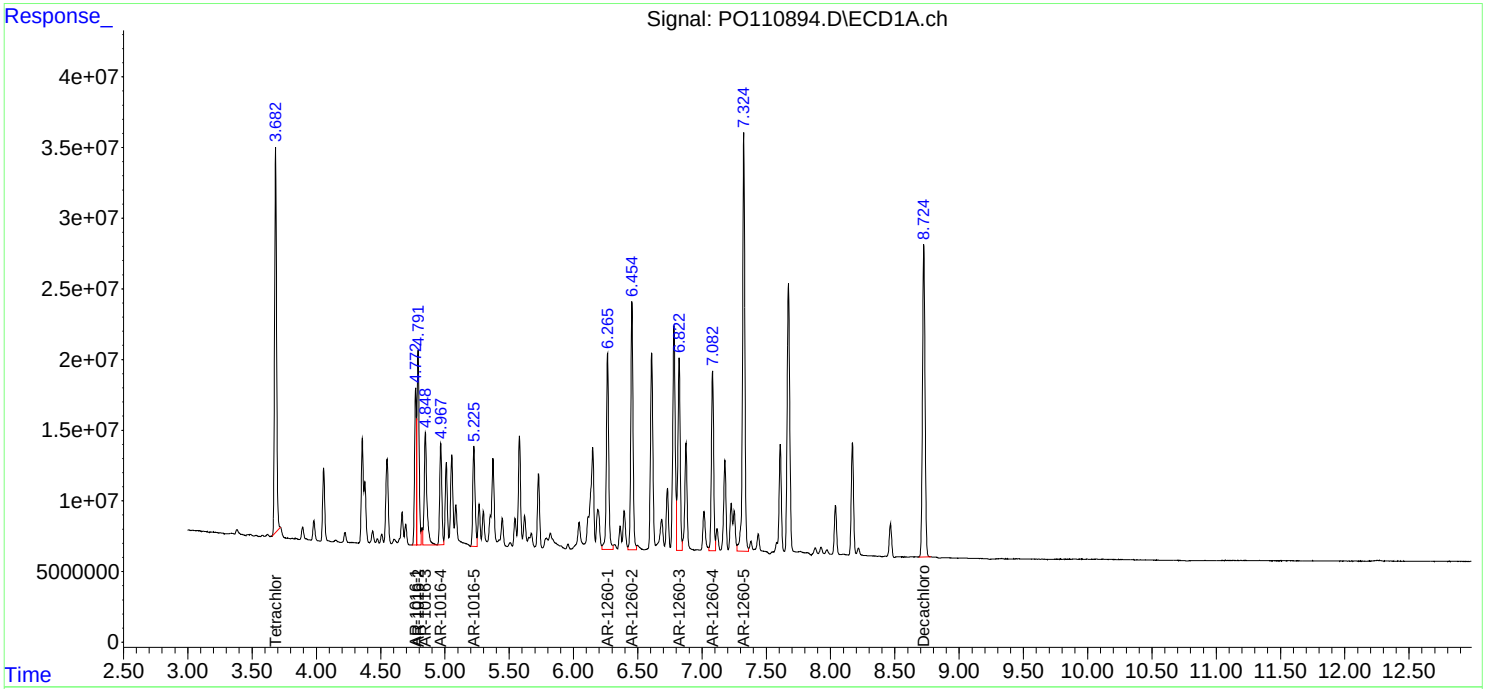
ICAL Form

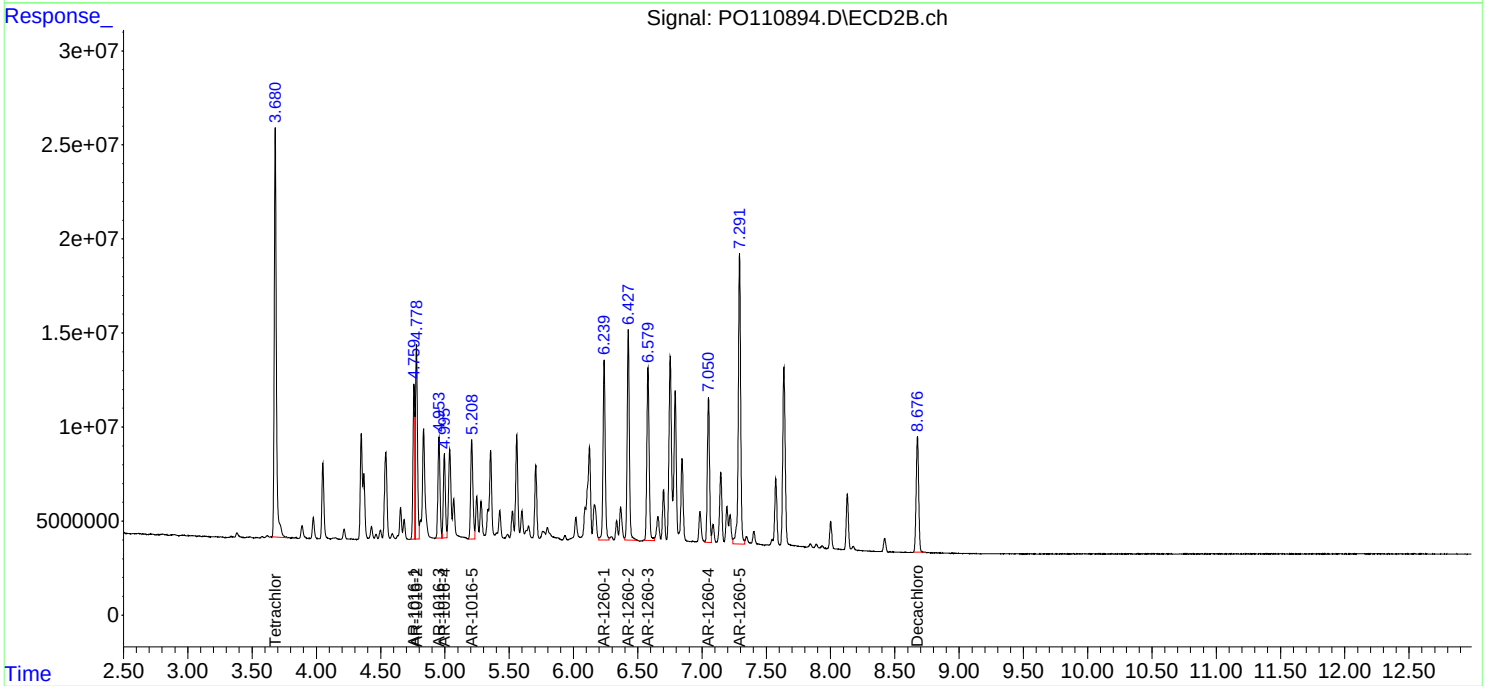
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:21
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

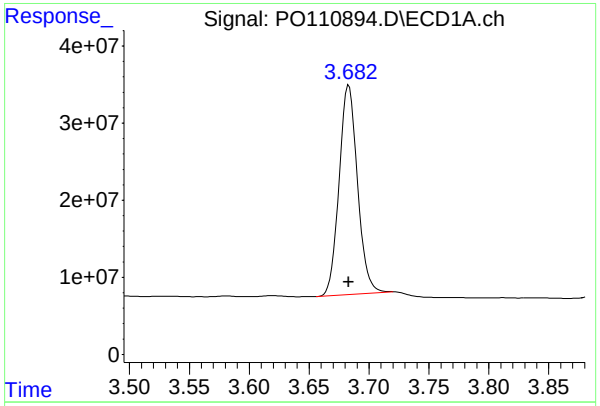
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

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

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



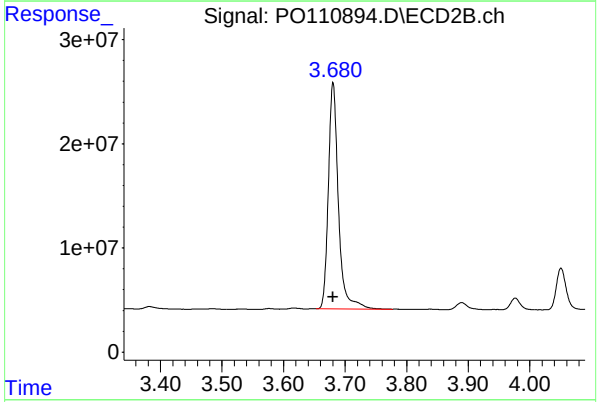




#1 Tetrachloro-m-xylene

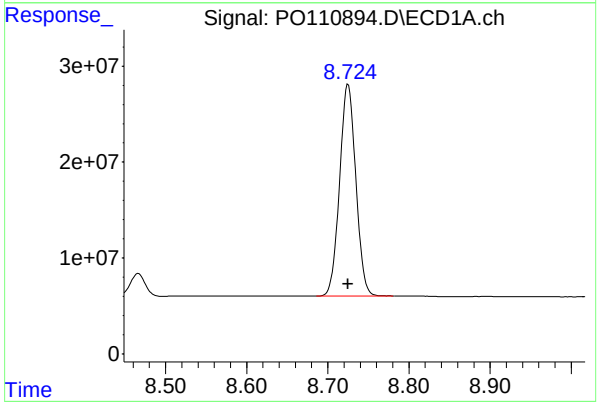
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 290702474
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



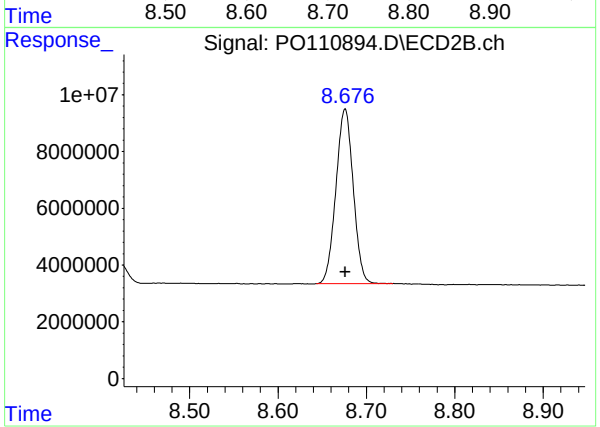
#1 Tetrachloro-m-xylene

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



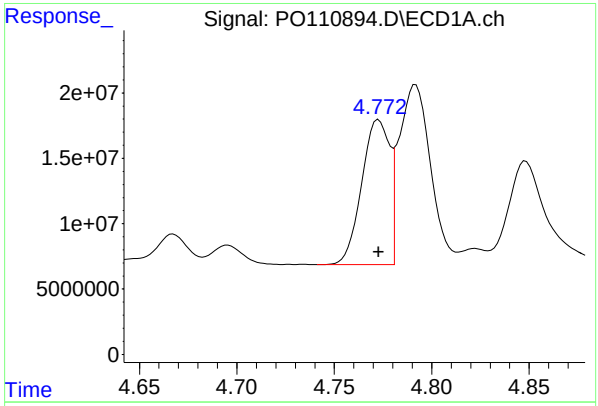
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

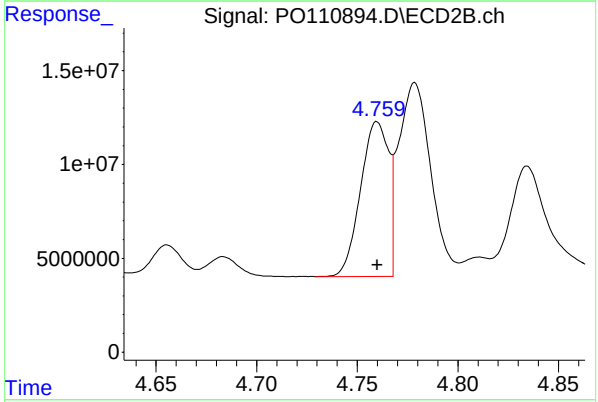
R.T.: 8.676 min
Delta R.T.: 0.000 min
Response: 83533915
Conc: 50.00 ng/ml



#3 AR-1016-1

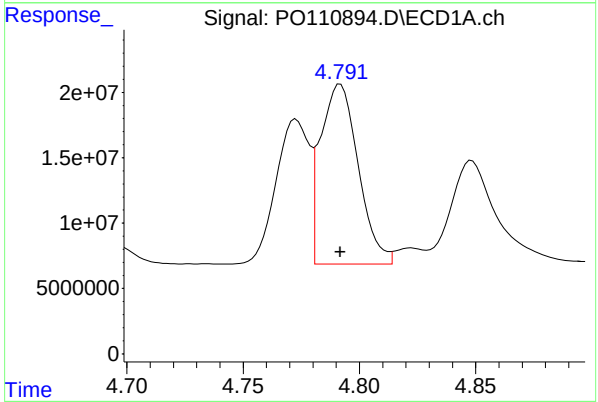
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 110040414
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



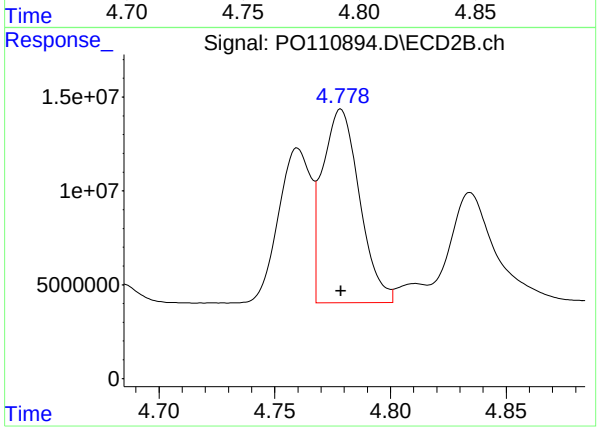
#3 AR-1016-1

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



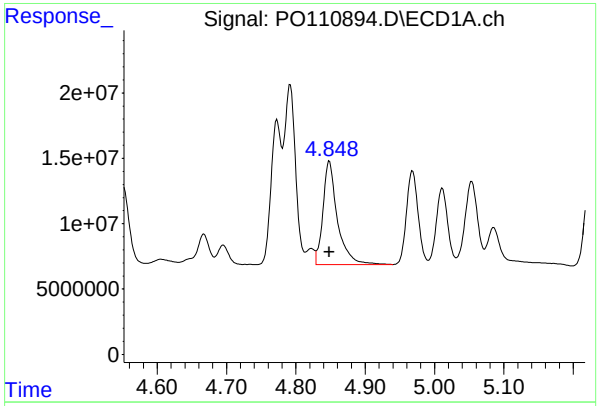
#4 AR-1016-2

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



#4 AR-1016-2

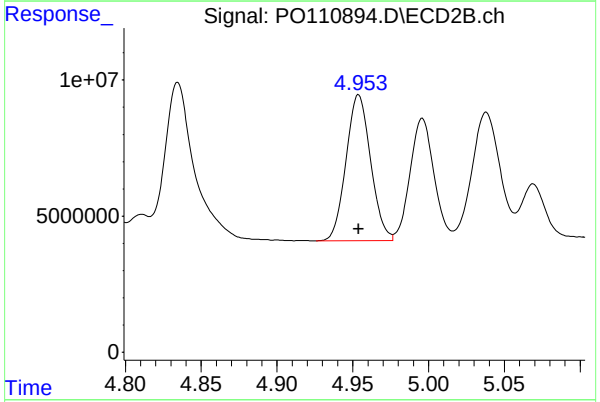
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 115114006
Conc: 500.00 ng/ml



#5 AR-1016-3

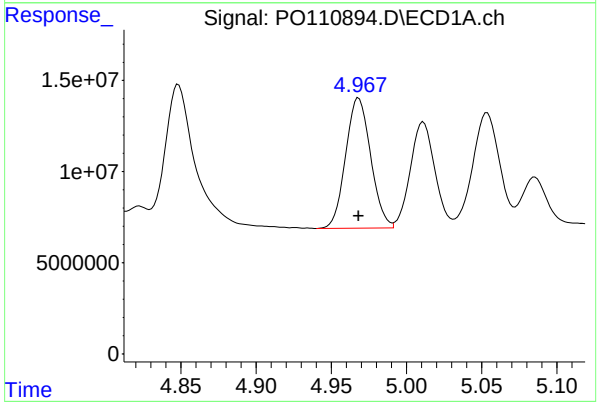
R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 114357359
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



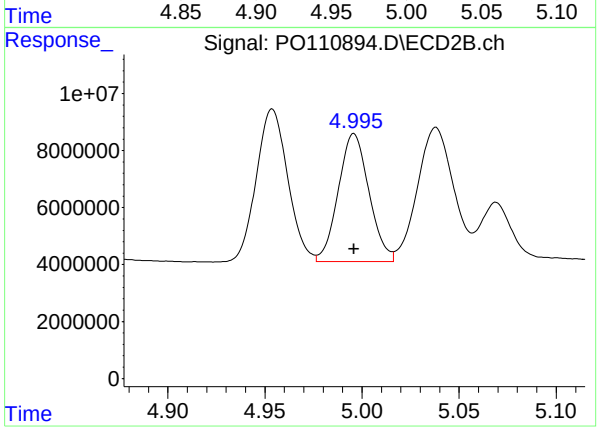
#5 AR-1016-3

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



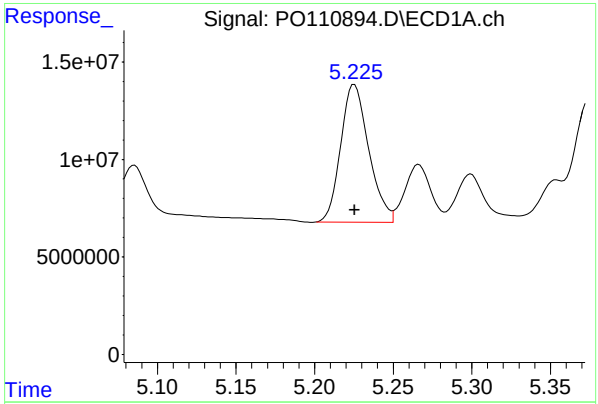
#6 AR-1016-4

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



#6 AR-1016-4

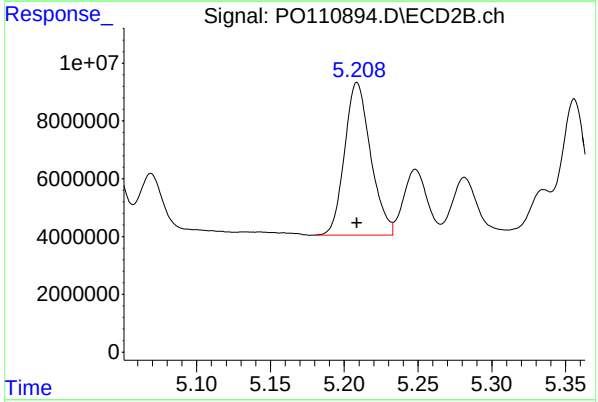
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 49397949
Conc: 500.00 ng/ml



#7 AR-1016-5

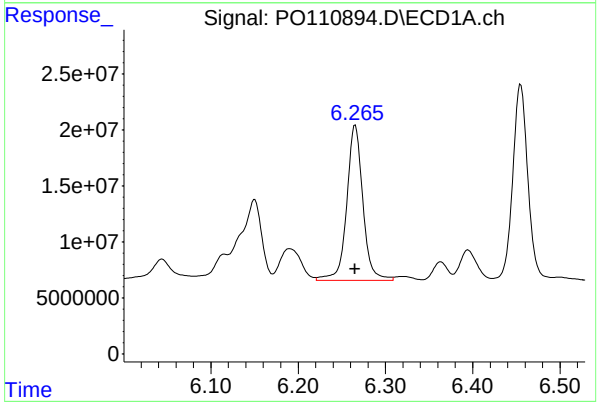
R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 88008307
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



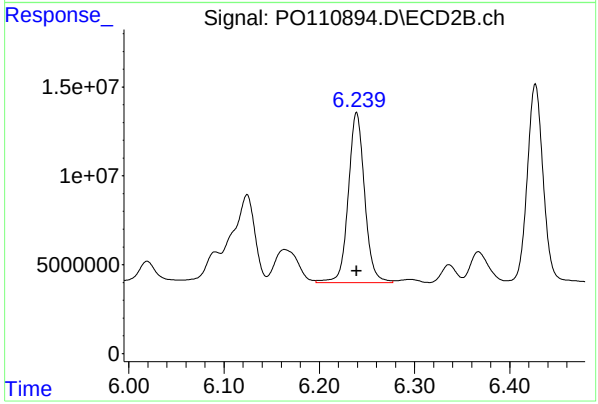
#7 AR-1016-5

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



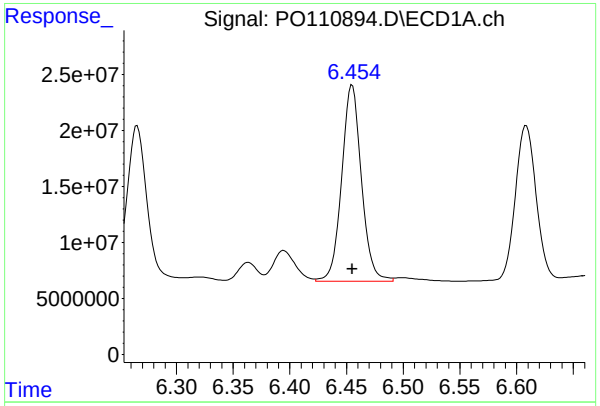
#31 AR-1260-1

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



#31 AR-1260-1

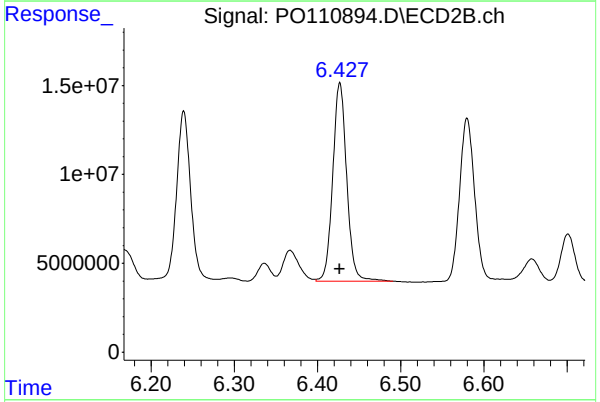
R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 113949595
Conc: 500.00 ng/ml



#32 AR-1260-2

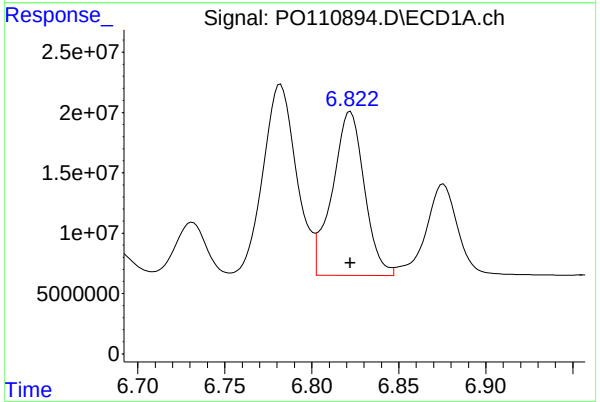
R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 211856918
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



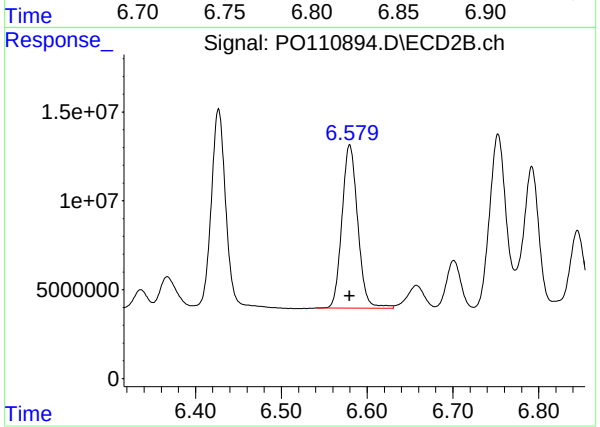
#32 AR-1260-2

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



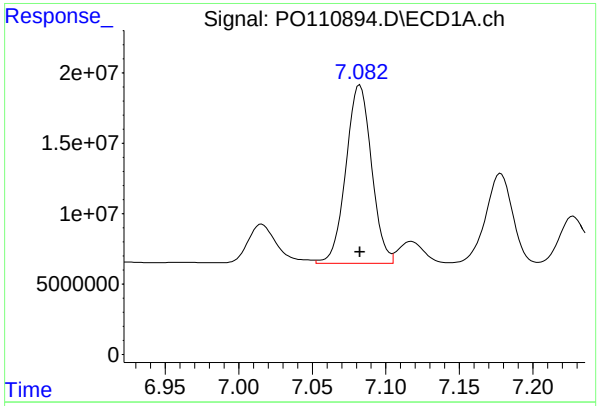
#33 AR-1260-3

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



#33 AR-1260-3

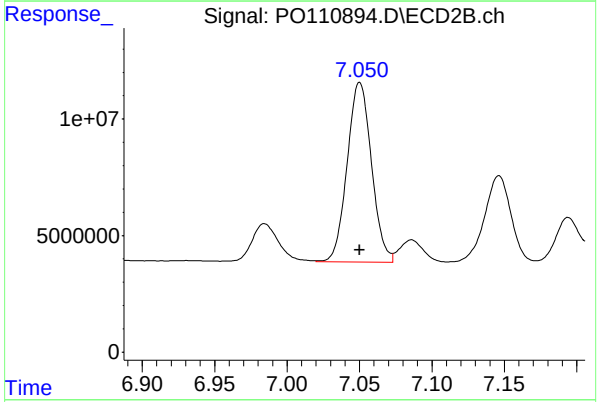
R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 117226891
Conc: 500.00 ng/ml



#34 AR-1260-4

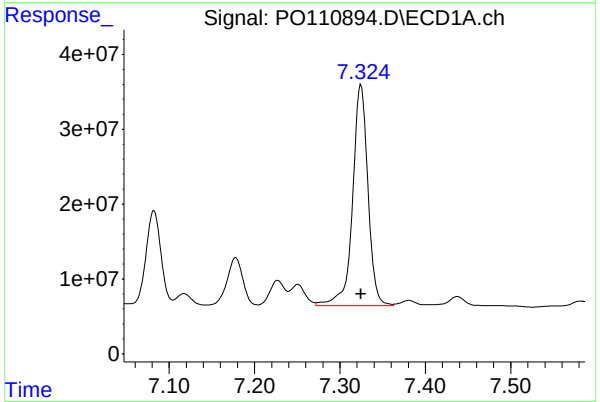
R.T.: 7.082 min
Delta R.T.: 0.000 min
Response: 153890346
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



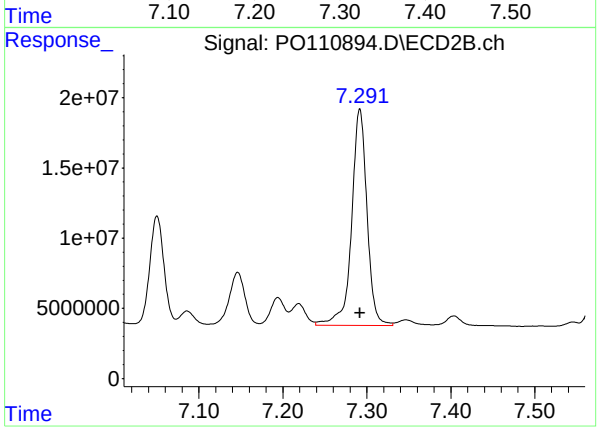
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

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

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

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

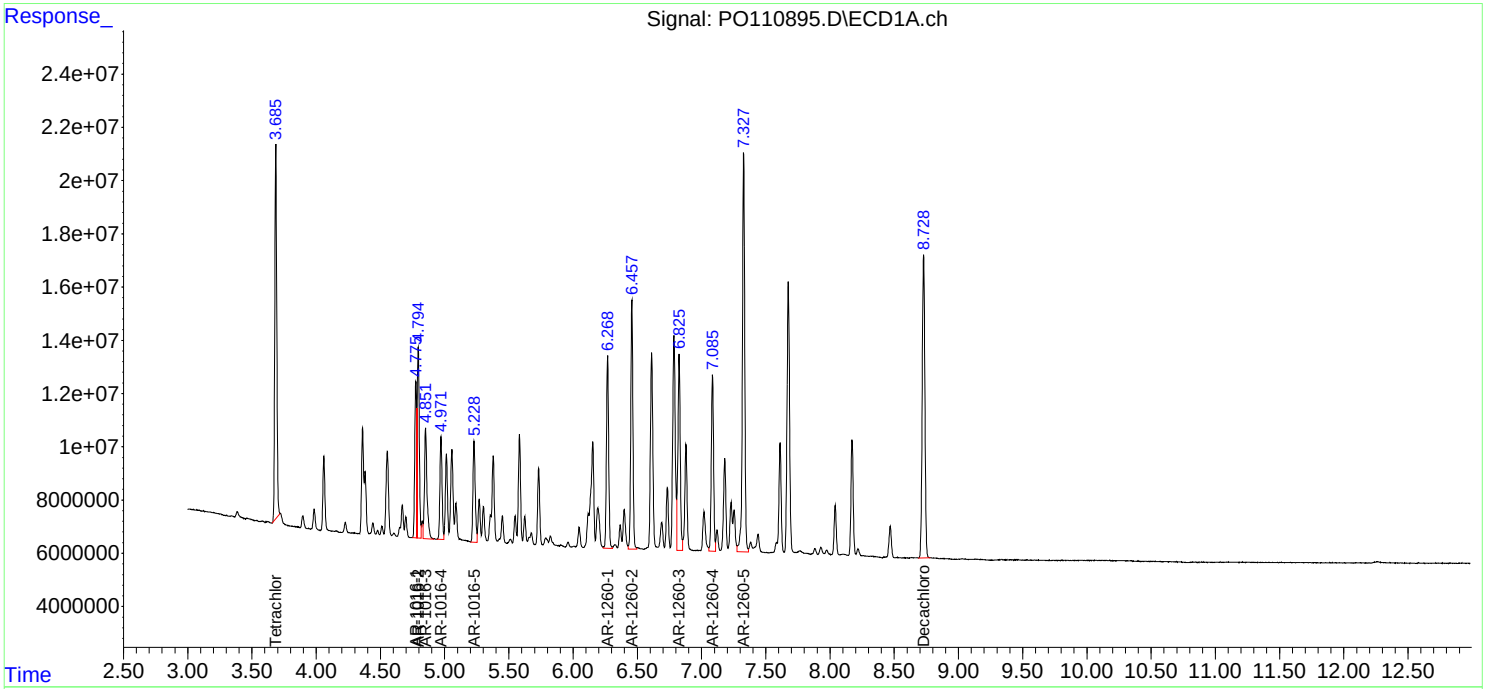
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

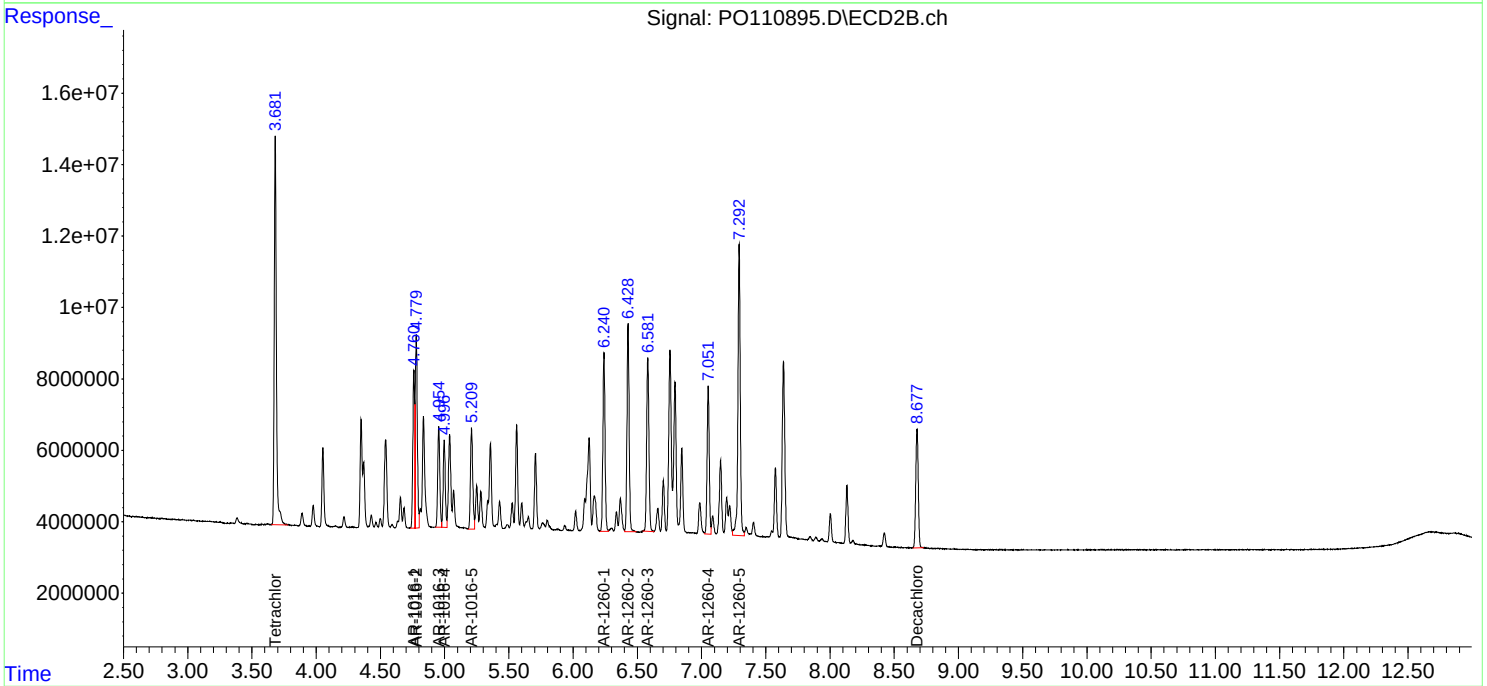
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:39
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

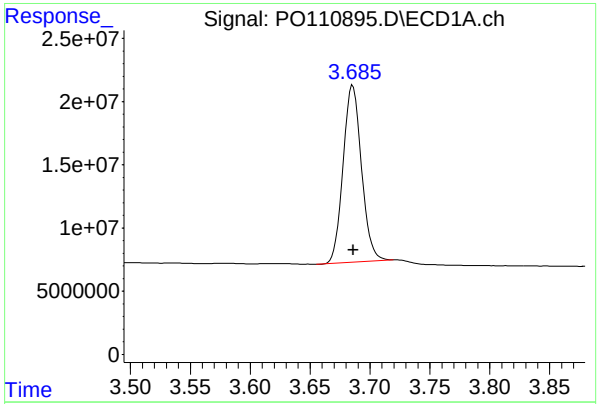
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

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

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



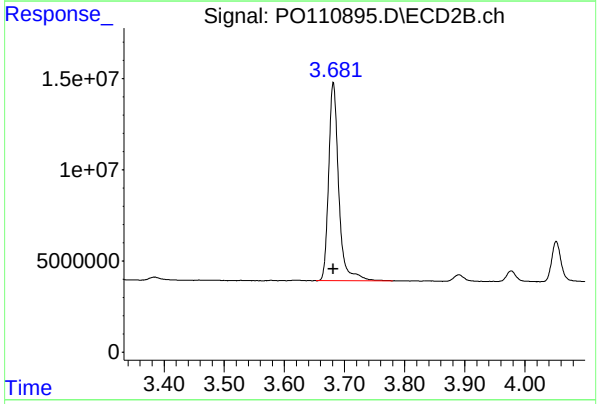




#1 Tetrachloro-m-xylene

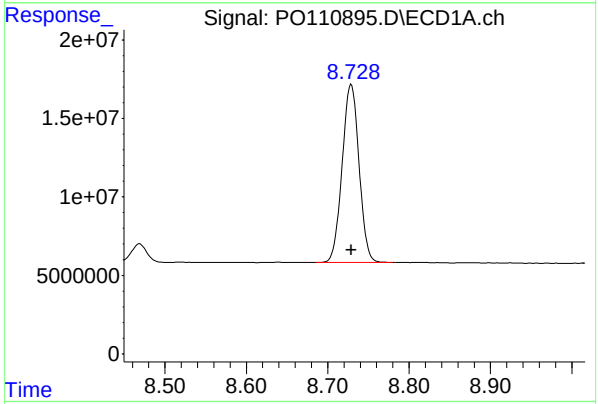
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 149490429
Conc: 25.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



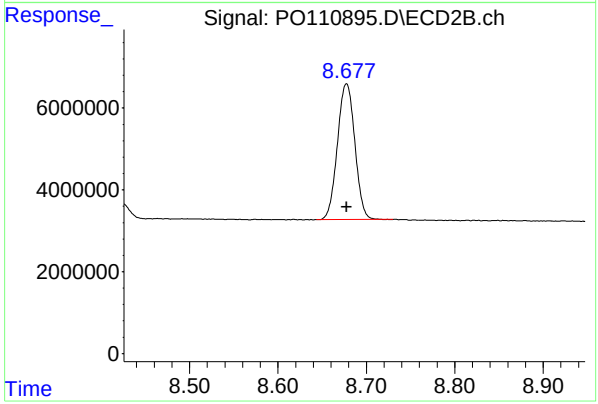
#1 Tetrachloro-m-xylene

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



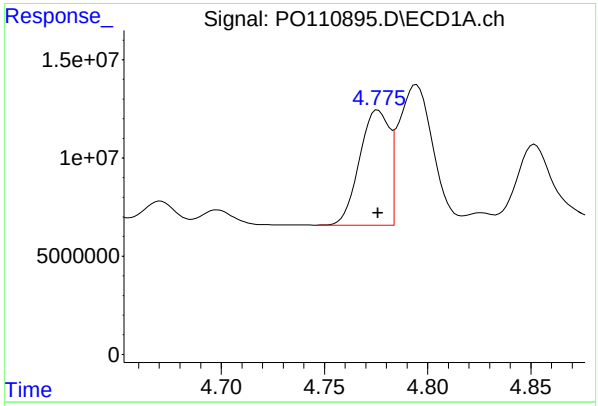
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

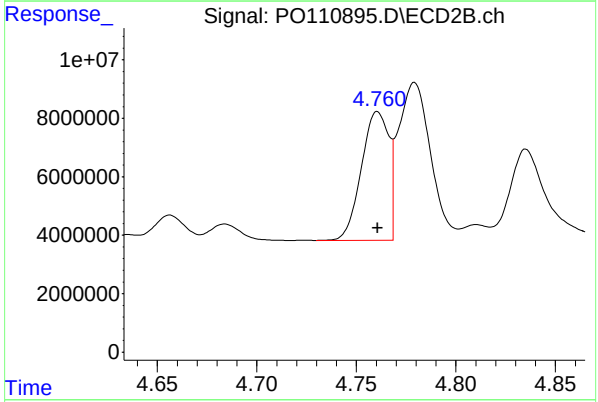
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 45501076
Conc: 27.22 ng/ml



#3 AR-1016-1

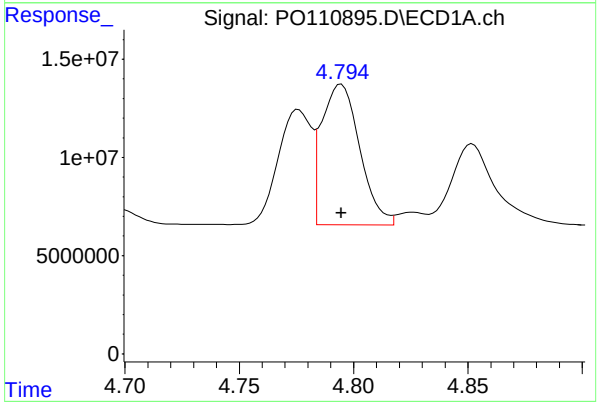
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 58989772
Conc: 268.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



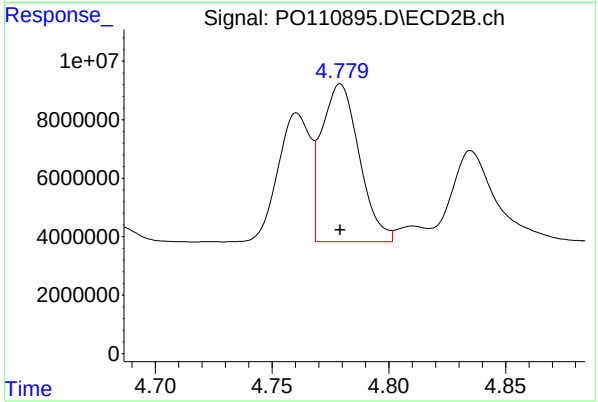
#3 AR-1016-1

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



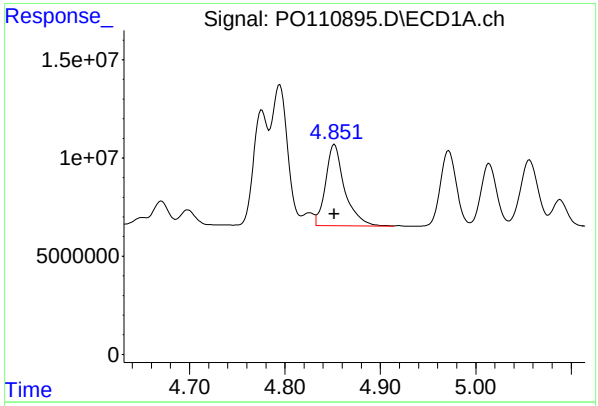
#4 AR-1016-2

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



#4 AR-1016-2

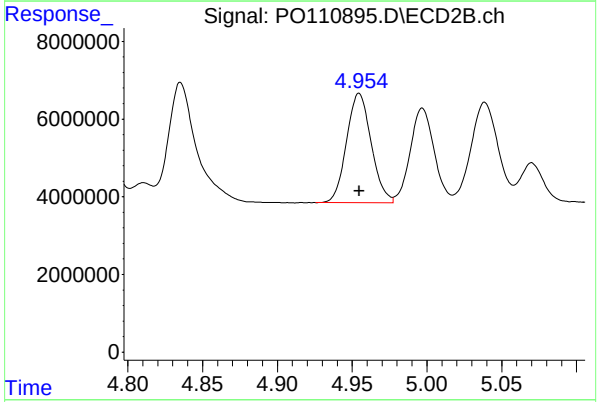
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 60769650
Conc: 264.39 ng/ml



#5 AR-1016-3

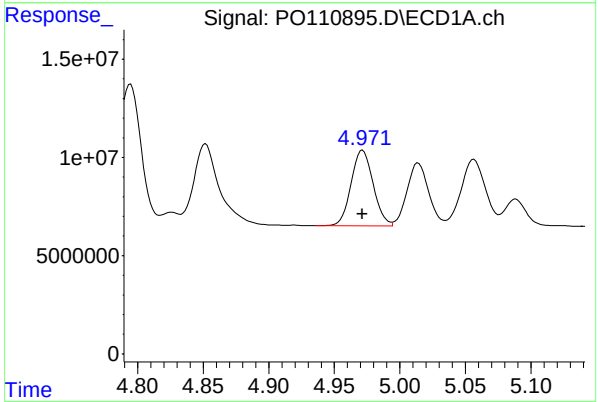
R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 57167513
Conc: 263.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



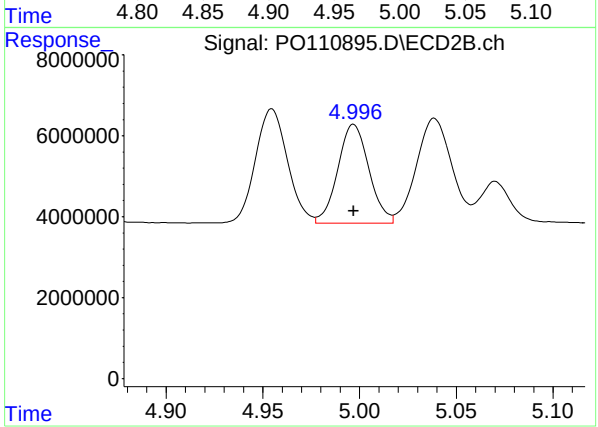
#5 AR-1016-3

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



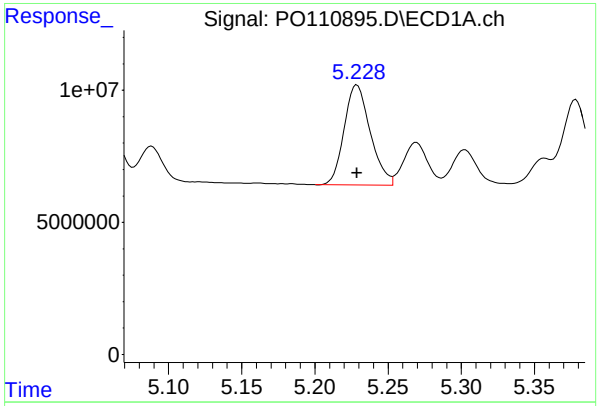
#6 AR-1016-4

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



#6 AR-1016-4

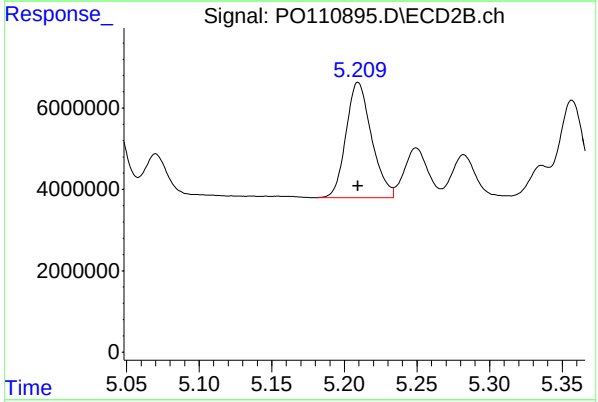
R.T.: 4.997 min
Delta R.T.: 0.000 min
Response: 27285455
Conc: 273.46 ng/ml



#7 AR-1016-5

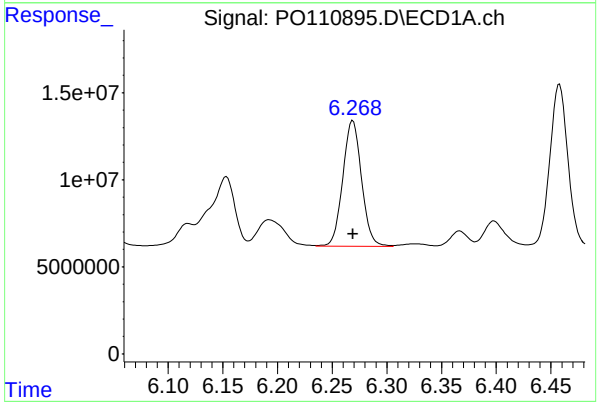
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 46993259
Conc: 267.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



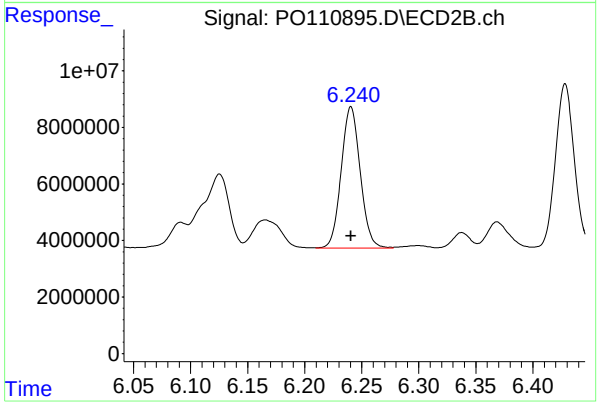
#7 AR-1016-5

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



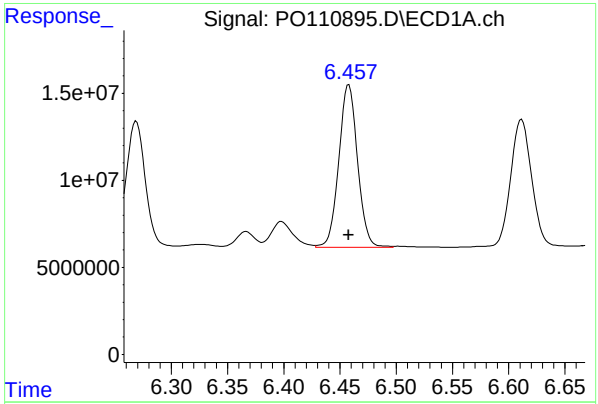
#31 AR-1260-1

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



#31 AR-1260-1

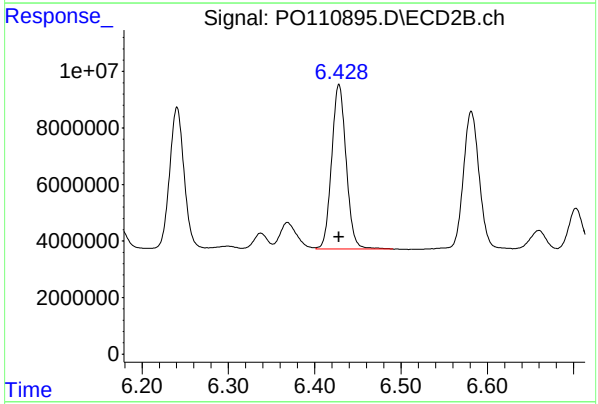
R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 57924014
Conc: 264.12 ng/ml



#32 AR-1260-2

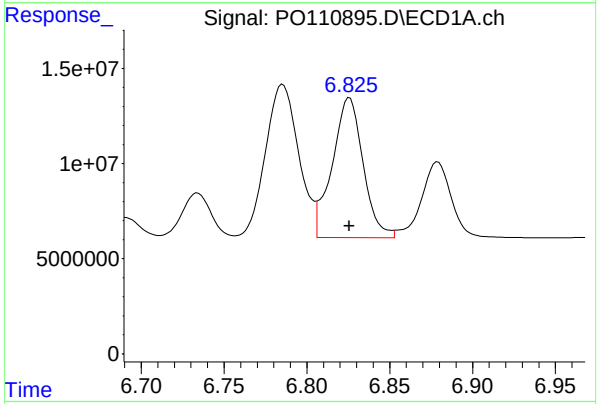
R.T.: 6.458 min
Delta R.T.: 0.000 min
Response: 108192219
Conc: 267.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



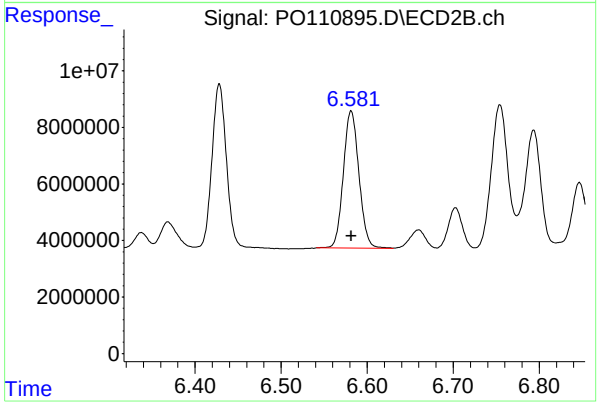
#32 AR-1260-2

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



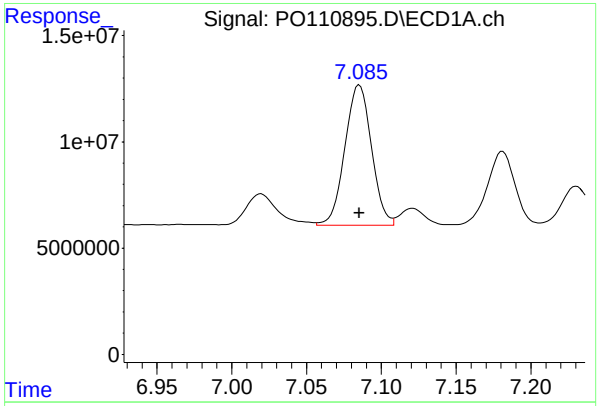
#33 AR-1260-3

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



#33 AR-1260-3

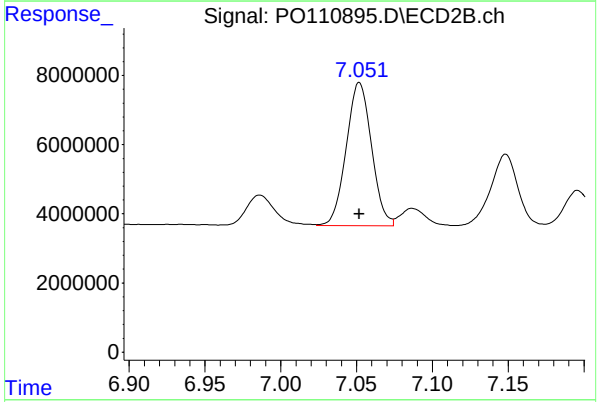
R.T.: 6.581 min
Delta R.T.: 0.000 min
Response: 61005167
Conc: 262.74 ng/ml



#34 AR-1260-4

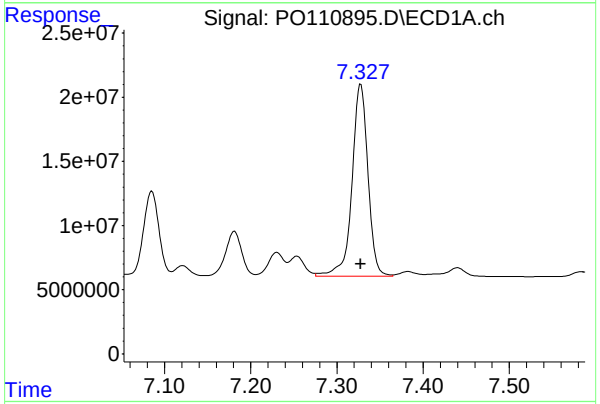
R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 81673543
Conc: 267.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



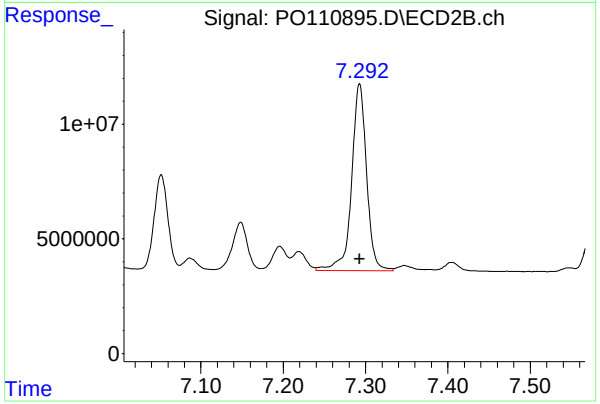
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

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

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	26883728	21925192	4.699	4.527
2)	SA Decachlor...	8.727	8.675	30595416	8754325	5.014	5.189
	Target Compounds						
3)	L1 AR-1016-1	4.775	4.759	11388788	7989426	51.530	50.287
4)	L1 AR-1016-2	4.794	4.779	15459866	11172957	49.843	48.883
5)	L1 AR-1016-3	4.850	4.954	13787898	6165528	60.288	50.564
6)	L1 AR-1016-4	4.970	4.996	8368253	5234330	50.052	51.948
7)	L1 AR-1016-5	5.228	5.208	9420873	7002191	52.900	53.288
31)	L7 AR-1260-1	6.267	6.239	17544248	11330106	52.745	51.321
32)	L7 AR-1260-2	6.456	6.427	22796239	13241314	54.955	51.477
33)	L7 AR-1260-3	6.823	6.579	17781776	11848147	50.478	50.819
34)	L7 AR-1260-4	7.083	7.049	15042707	9578461	49.444	52.691m
35)	L7 AR-1260-5	7.326	7.291	35797963	19337697	48.745	49.439m

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

ICAL Form

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

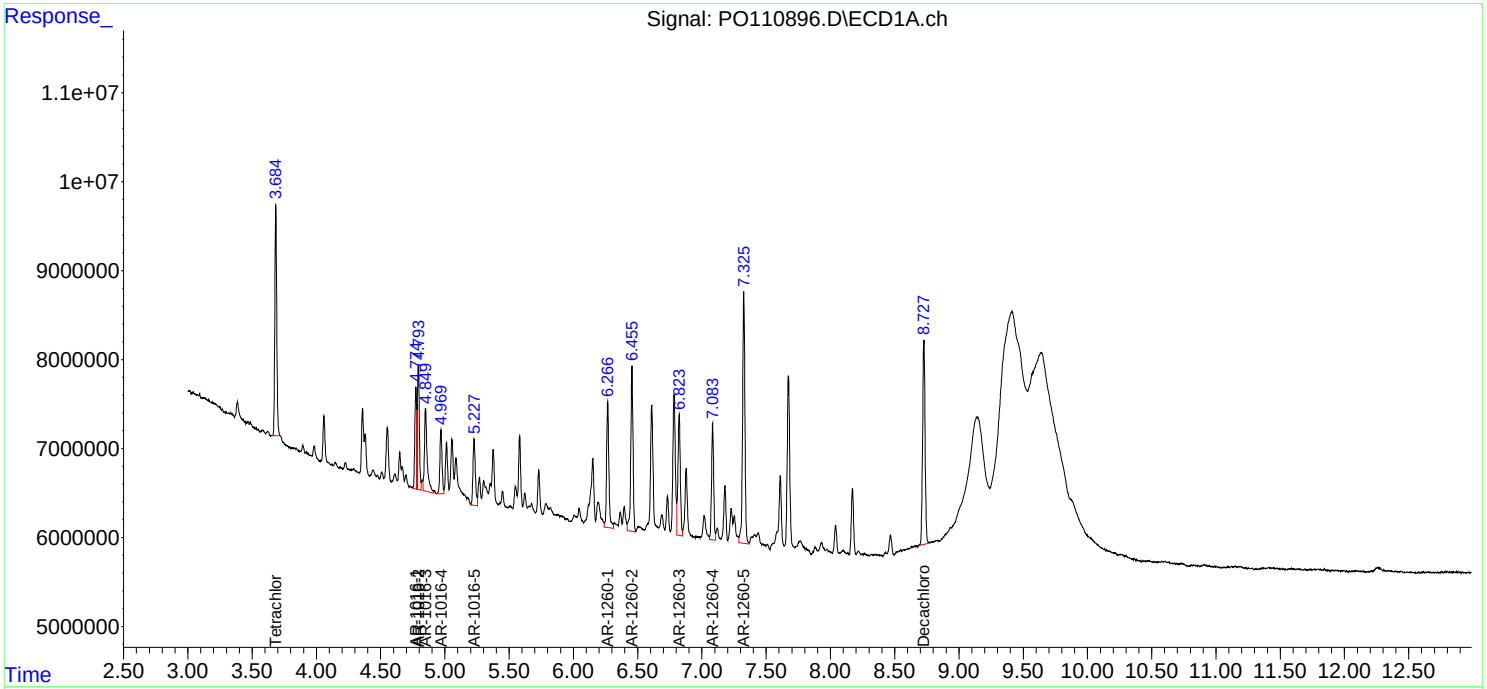
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

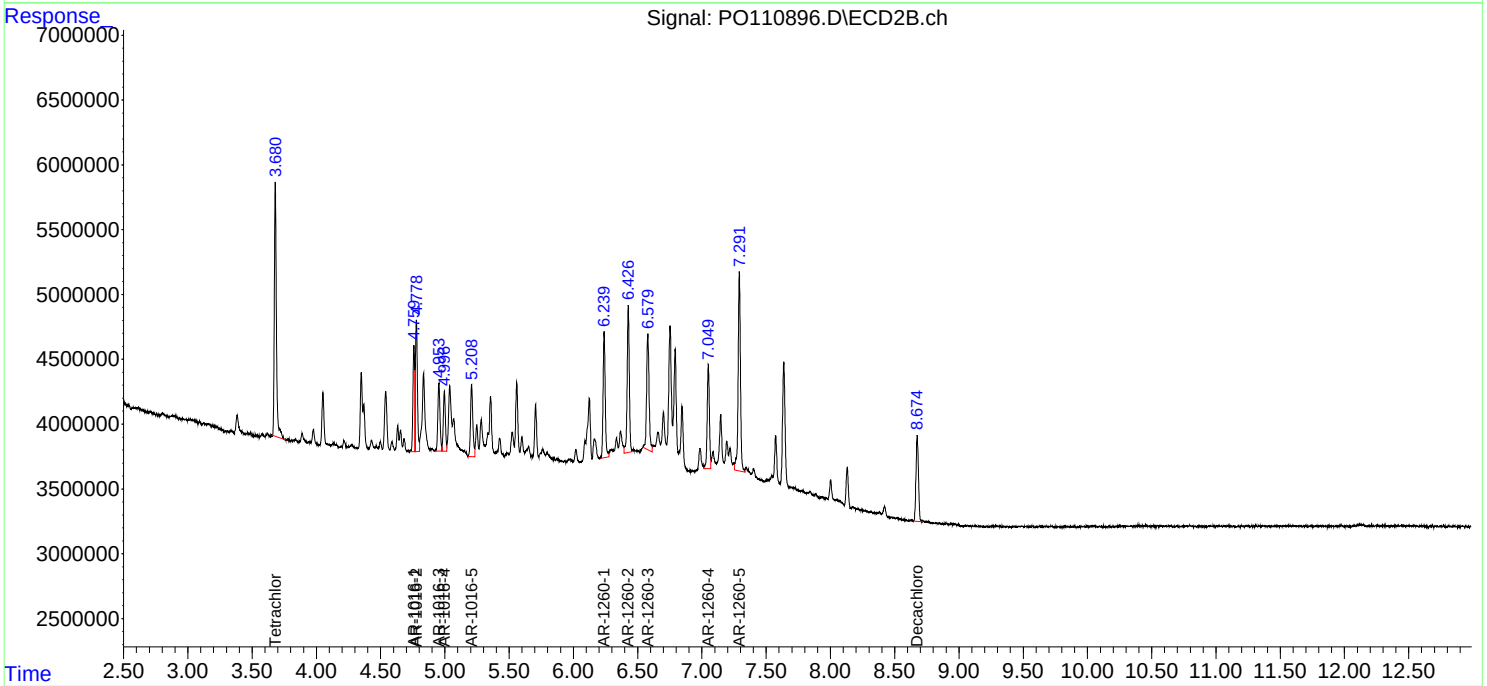
Manual Integrations APPROVED

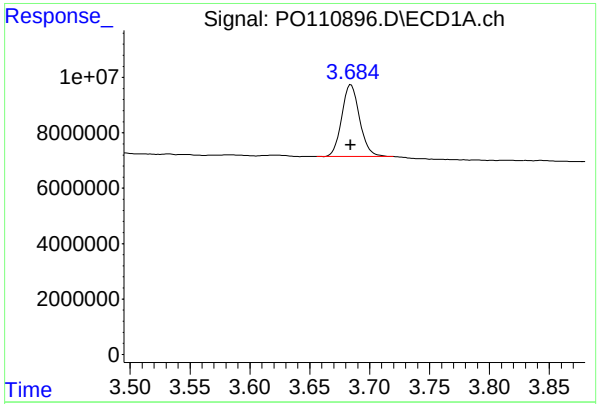
Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025

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

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







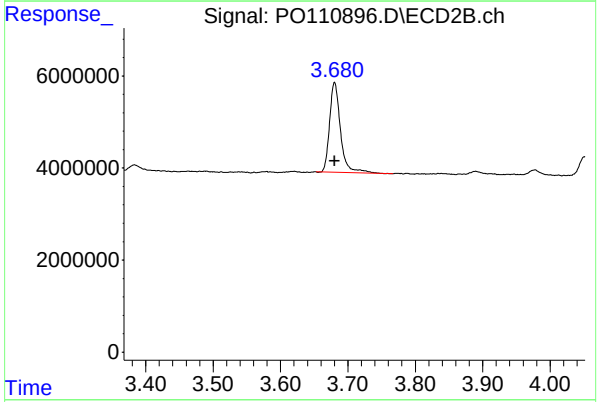
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

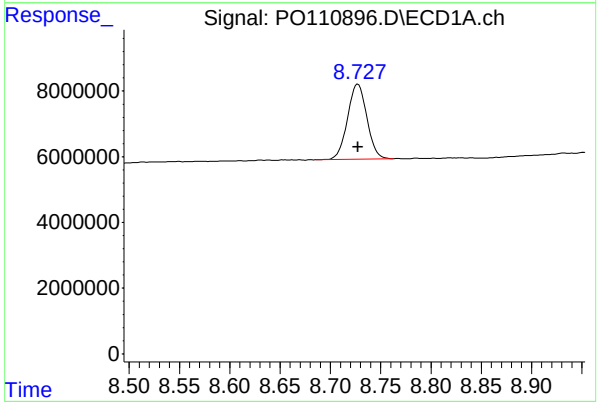
Manual Integrations APPROVED

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



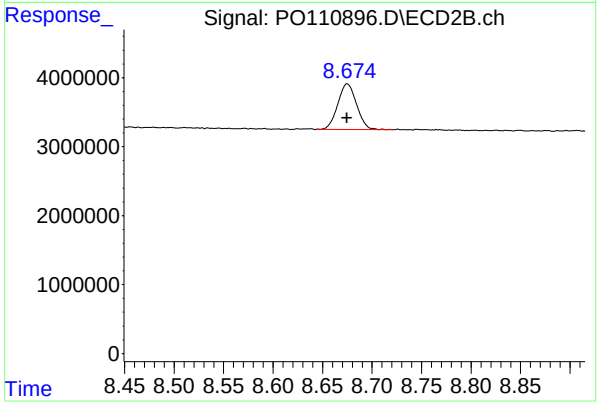
#1 Tetrachloro-m-xylene

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



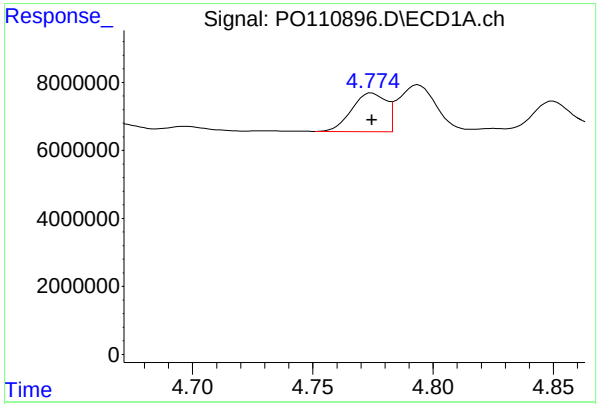
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



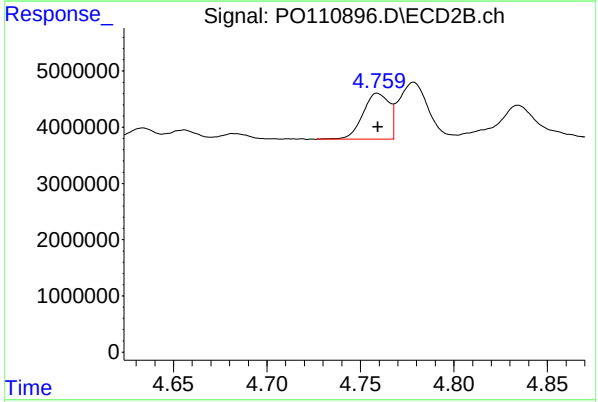
#3 AR-1016-1

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

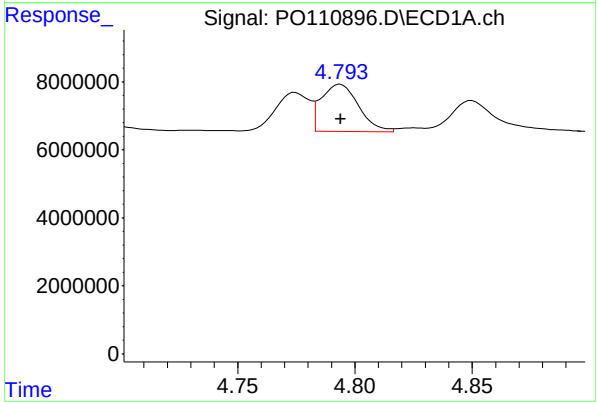
Manual Integrations
APPROVED

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



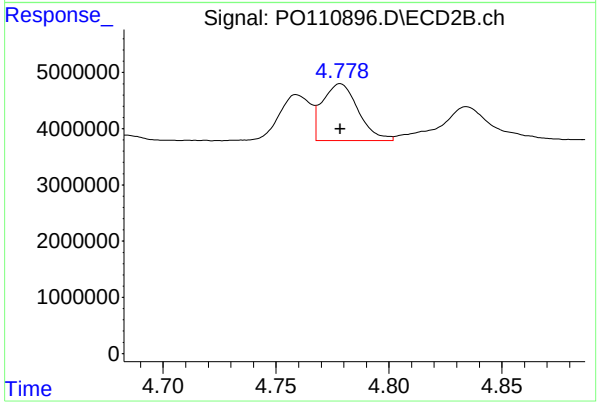
#3 AR-1016-1

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



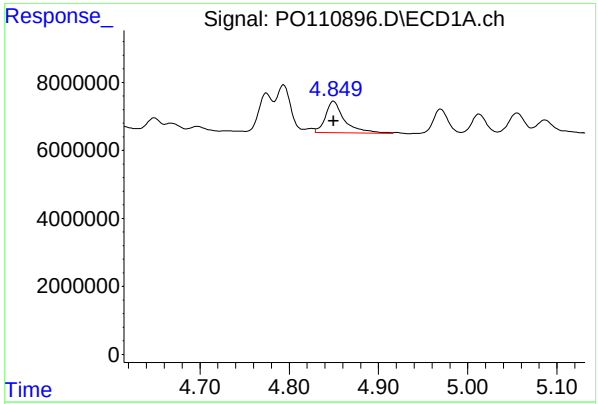
#4 AR-1016-2

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



#4 AR-1016-2

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



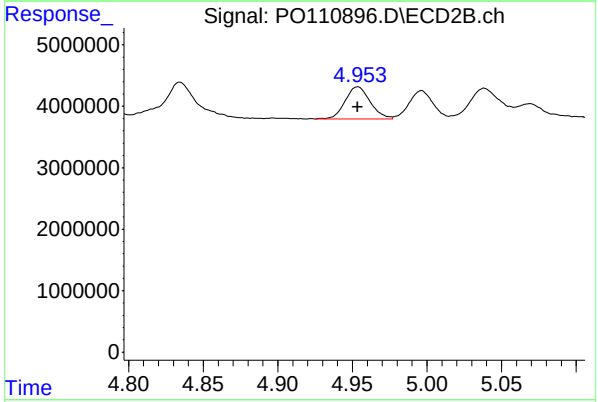
#5 AR-1016-3

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

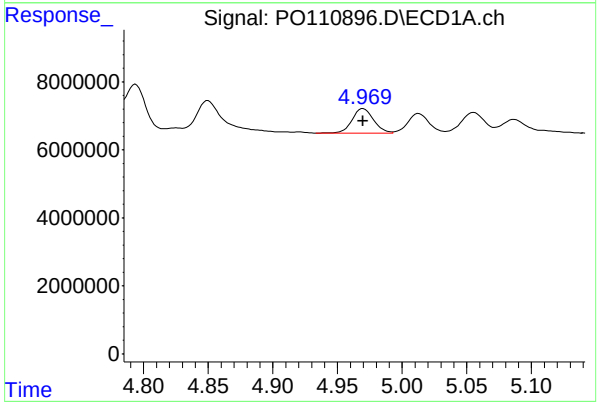
Manual Integrations APPROVED

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



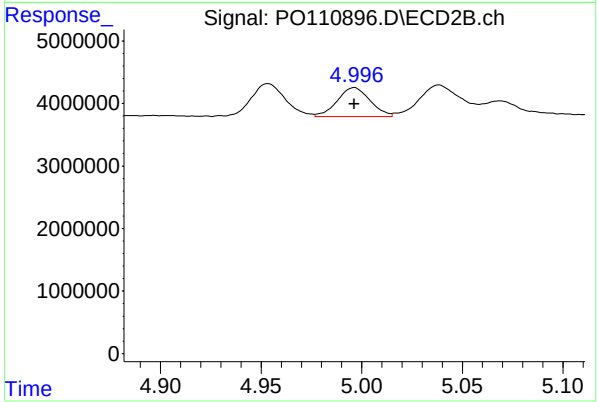
#5 AR-1016-3

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



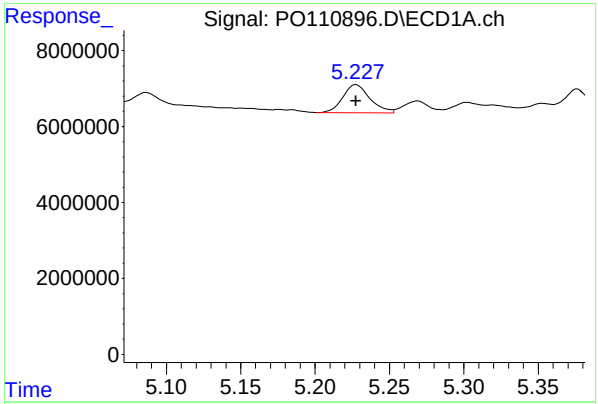
#6 AR-1016-4

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



#6 AR-1016-4

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



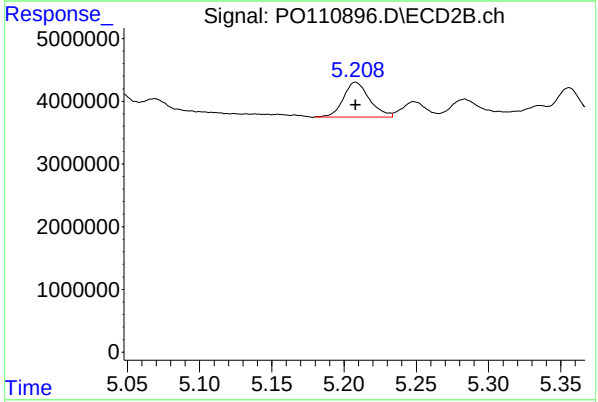
#7 AR-1016-5

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

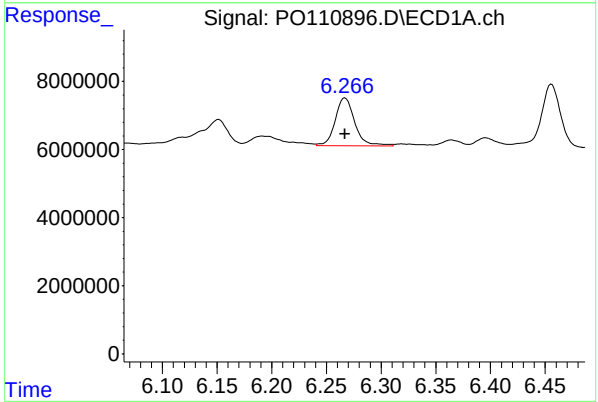
Manual Integrations APPROVED

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



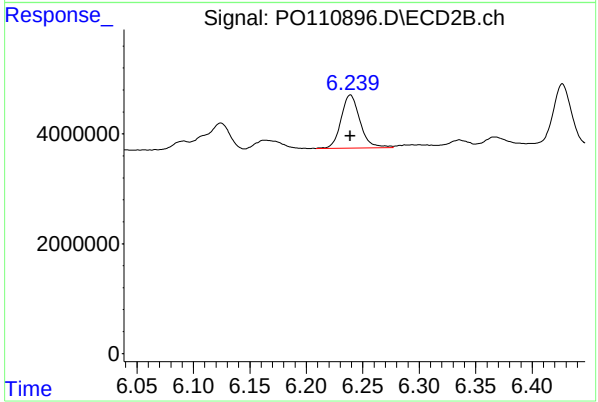
#7 AR-1016-5

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



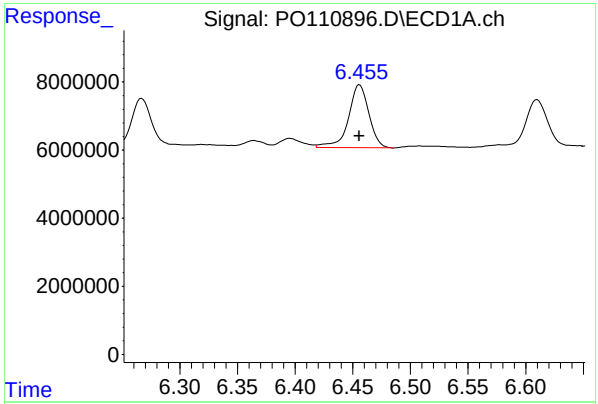
#31 AR-1260-1

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



#31 AR-1260-1

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



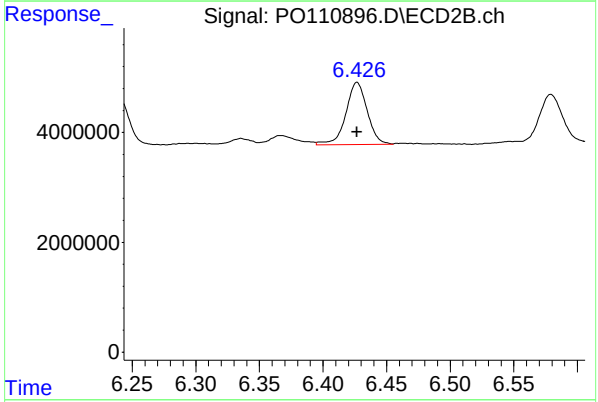
#32 AR-1260-2

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

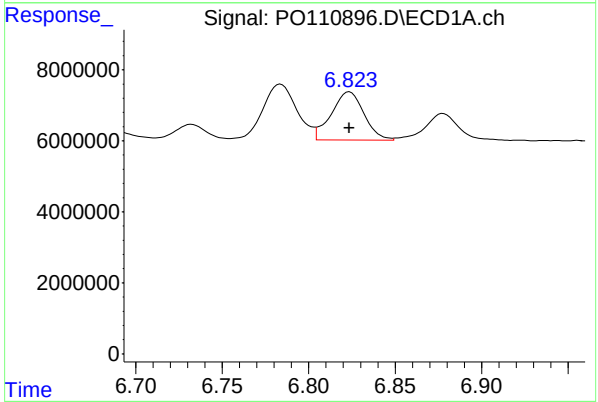
Manual Integrations APPROVED

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



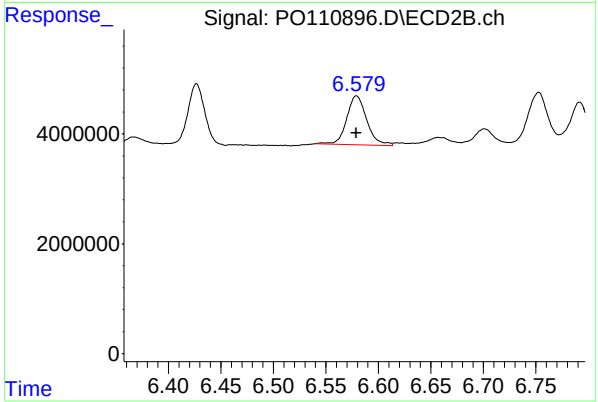
#32 AR-1260-2

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



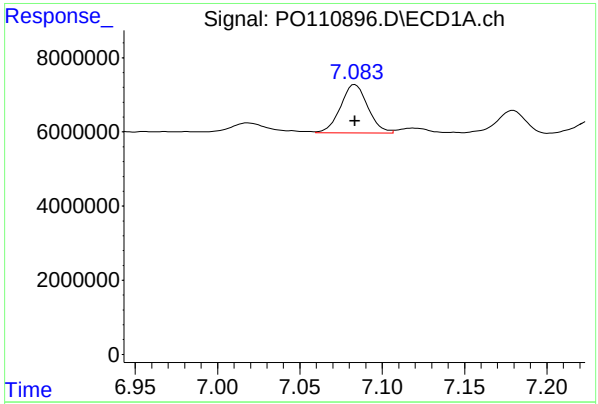
#33 AR-1260-3

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



#33 AR-1260-3

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



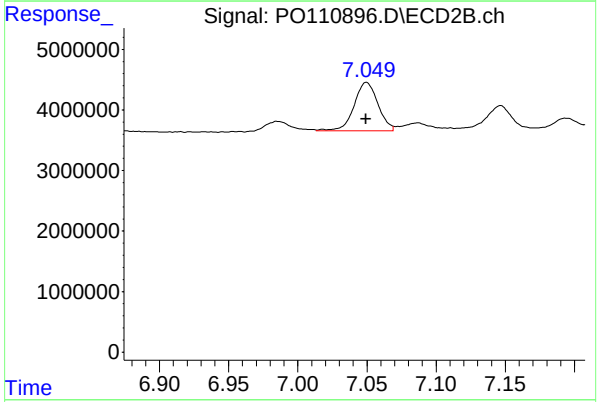
#34 AR-1260-4

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

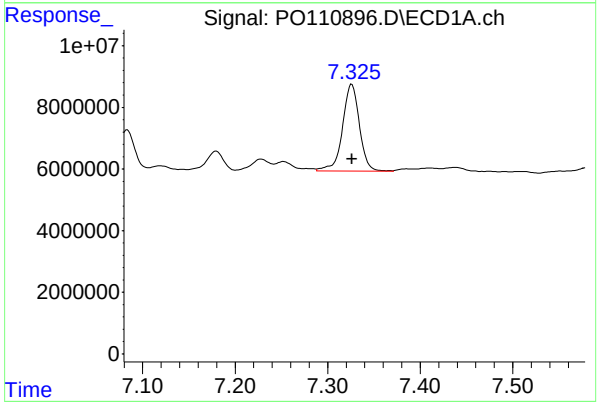
Manual Integrations APPROVED

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



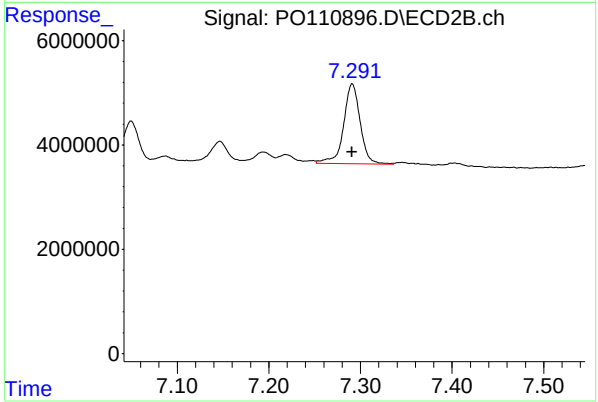
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

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

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

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

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

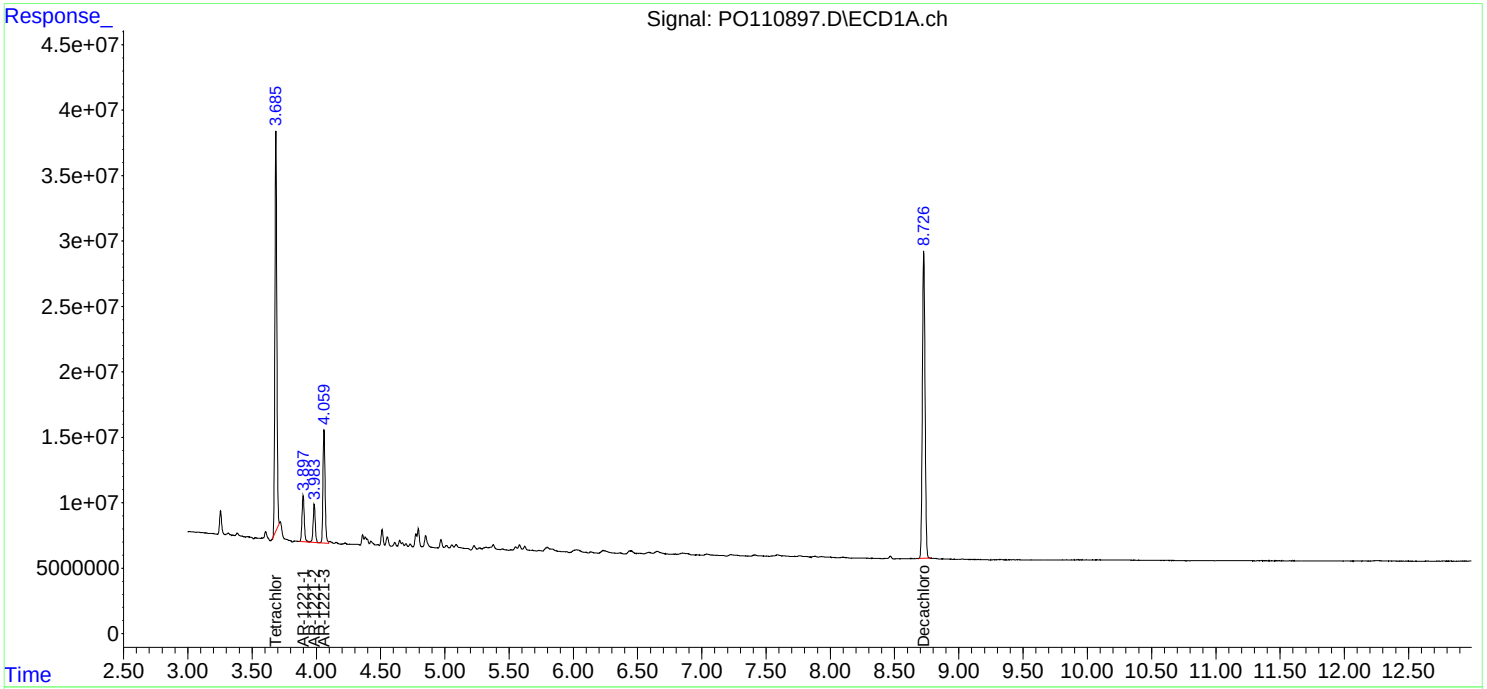
ICAL Form

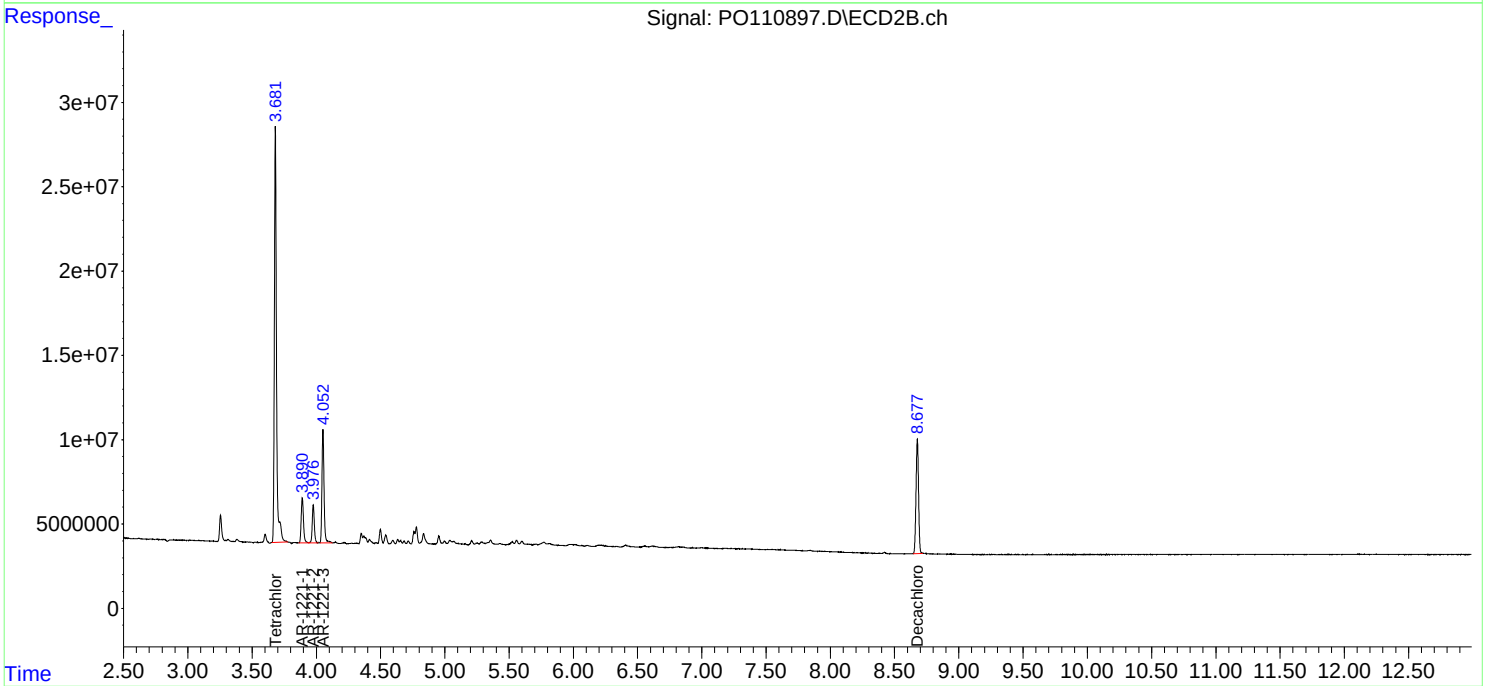
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 11:16
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

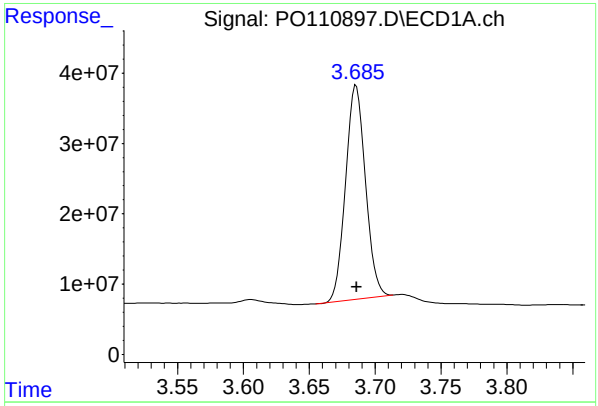
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

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

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



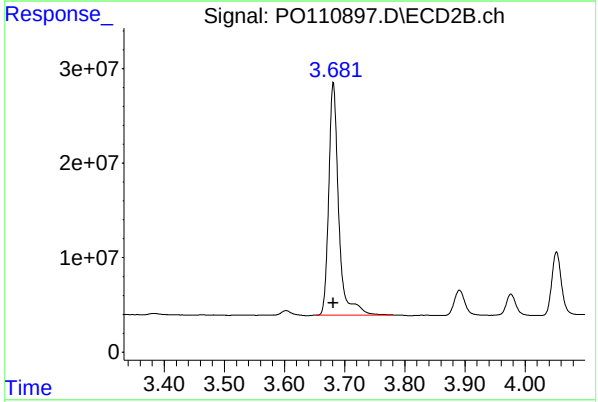




#1 Tetrachloro-m-xylene

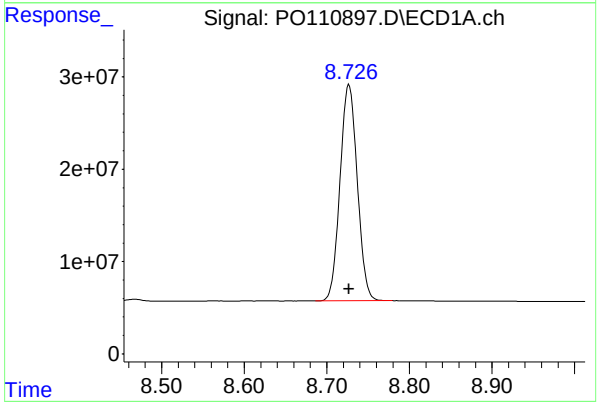
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 318804879
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



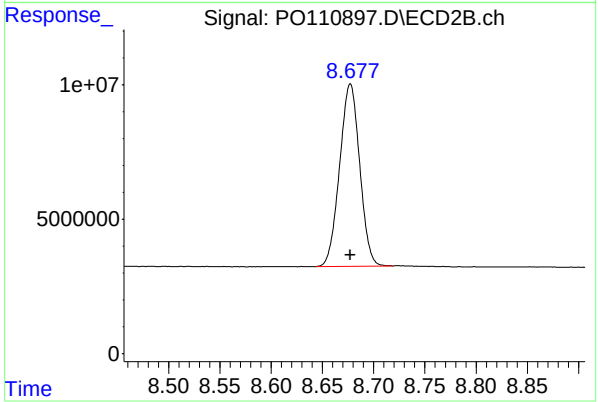
#1 Tetrachloro-m-xylene

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



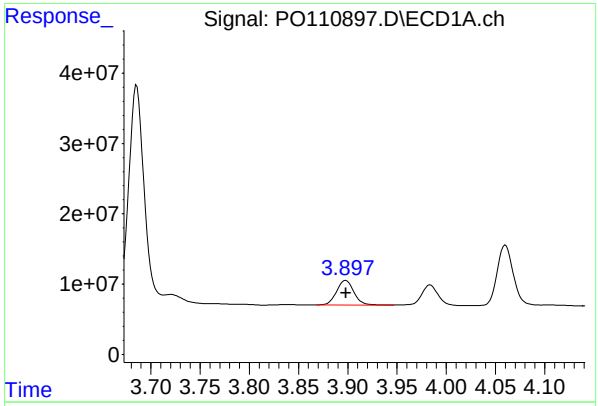
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

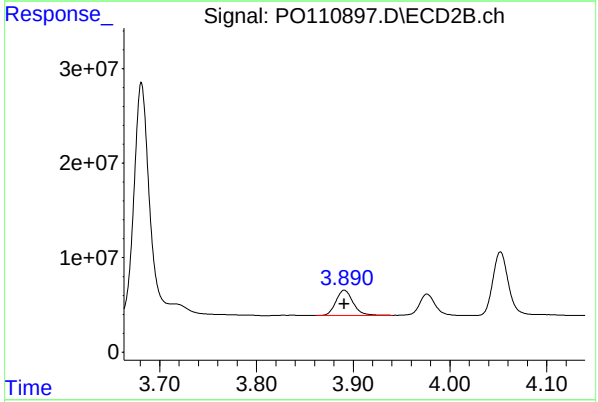
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 92487313
Conc: 50.00 ng/ml



#8 AR-1221-1

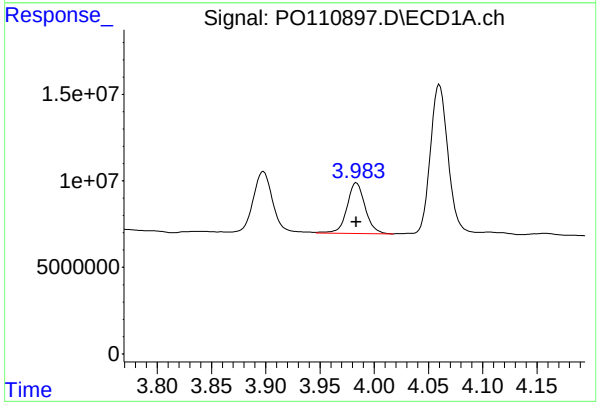
R.T.: 3.898 min
Delta R.T.: 0.000 min
Response: 43534085
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



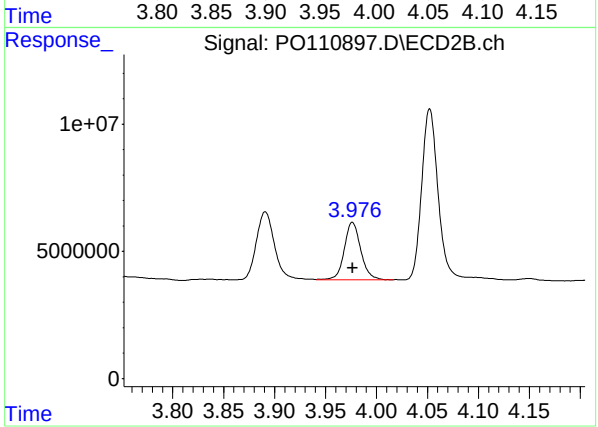
#8 AR-1221-1

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



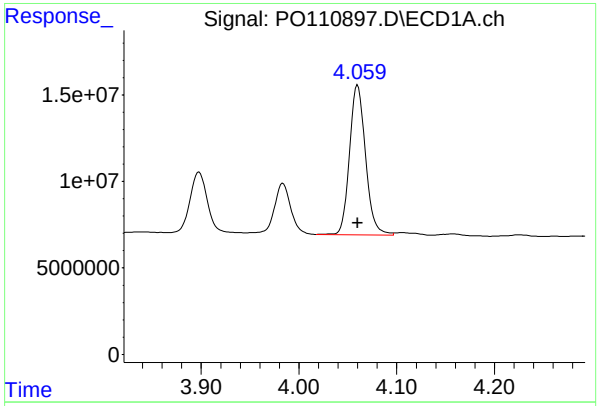
#9 AR-1221-2

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



#9 AR-1221-2

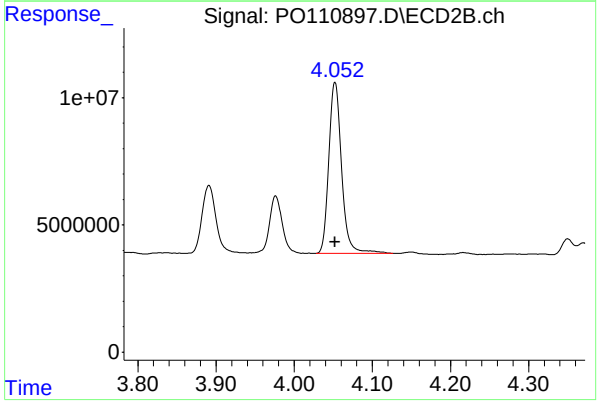
R.T.: 3.976 min
Delta R.T.: 0.000 min
Response: 25665780
Conc: 500.00 ng/ml



#10 AR-1221-3

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

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

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

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

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

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

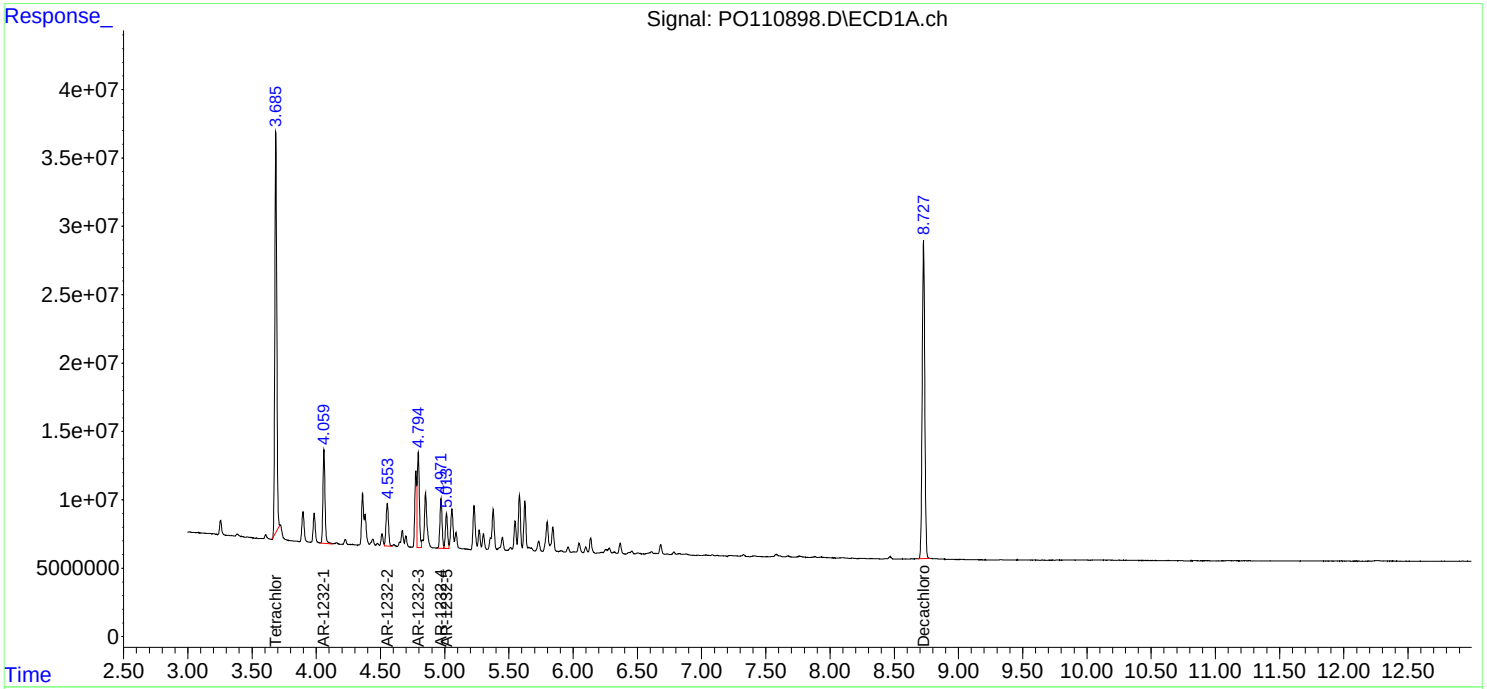
ICAL Form

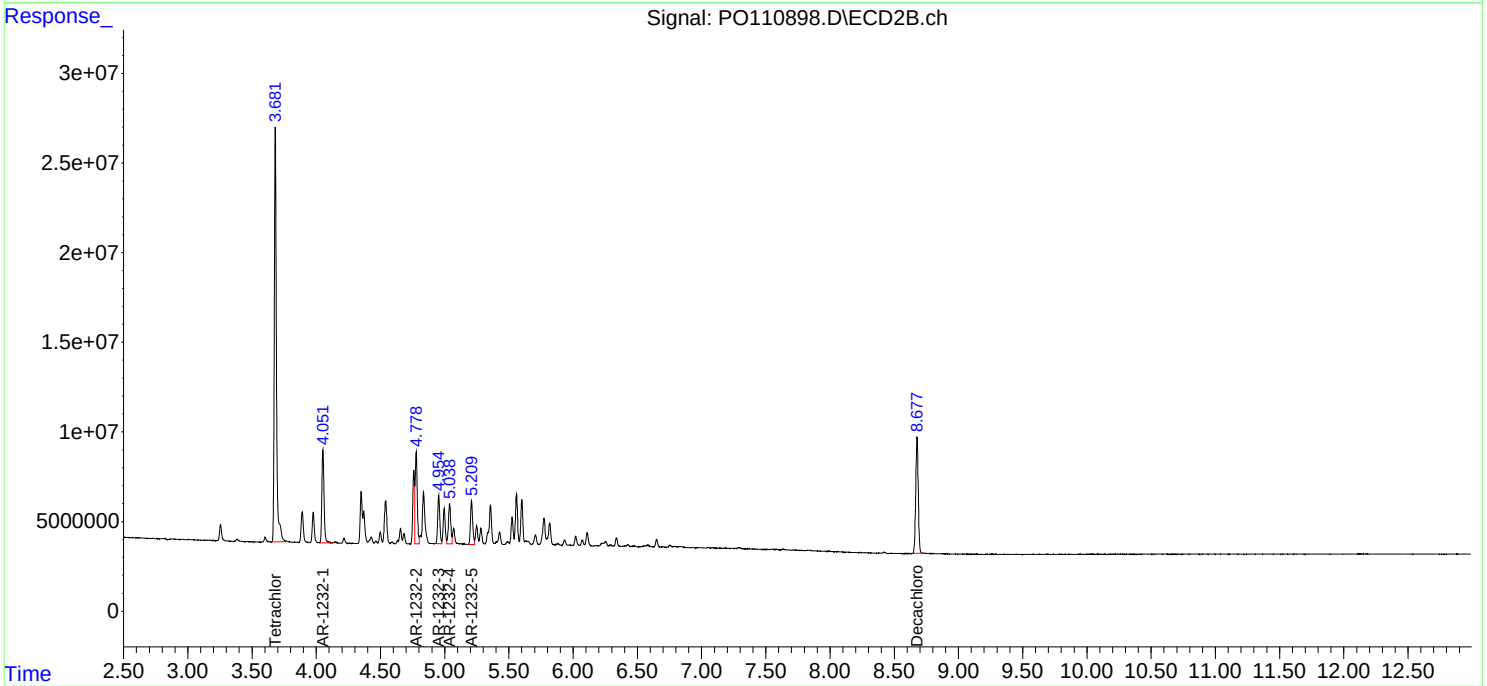
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 11:34
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

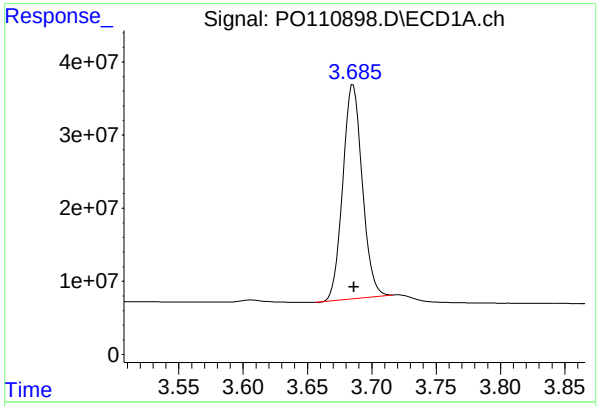
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

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

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



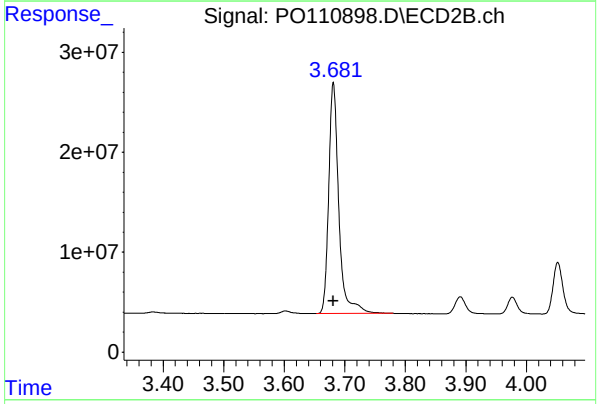




#1 Tetrachloro-m-xylene

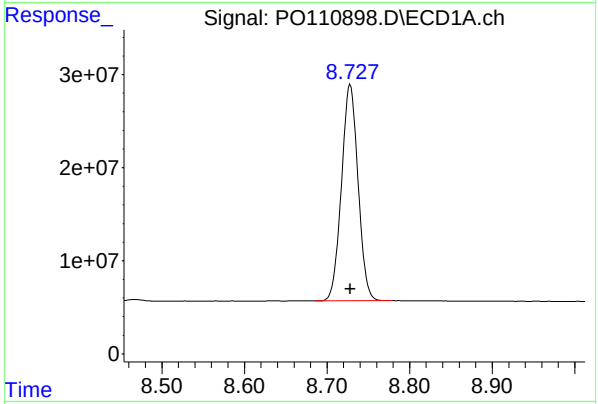
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 307794301
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



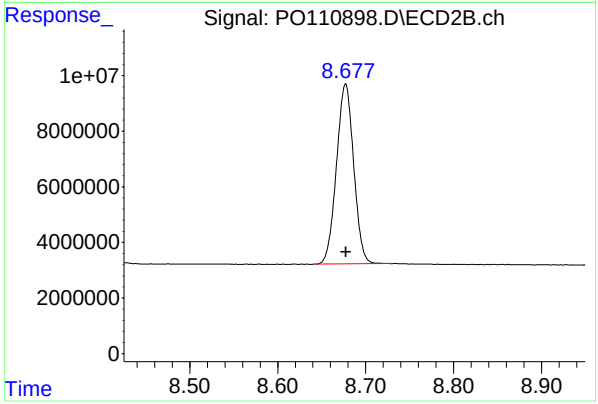
#1 Tetrachloro-m-xylene

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



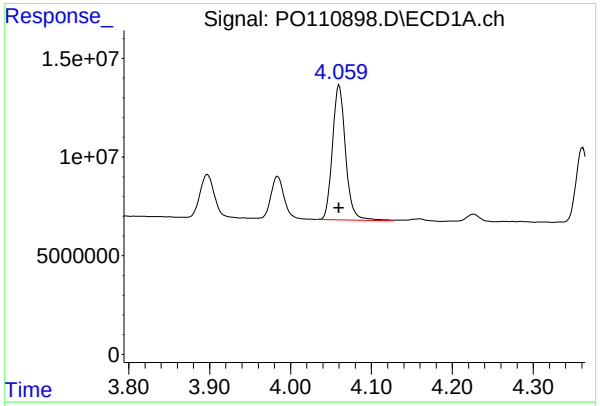
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

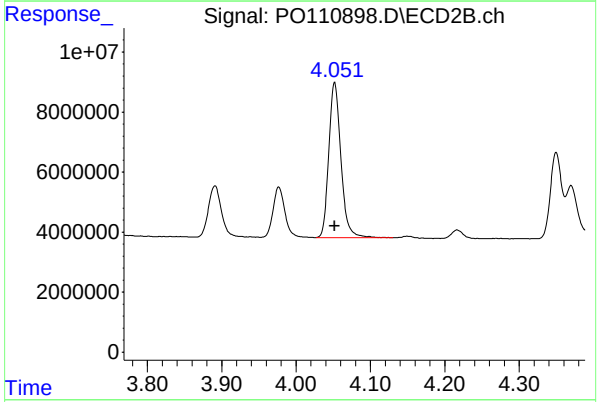
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 88039838
Conc: 50.00 ng/ml



#11 AR-1232-1

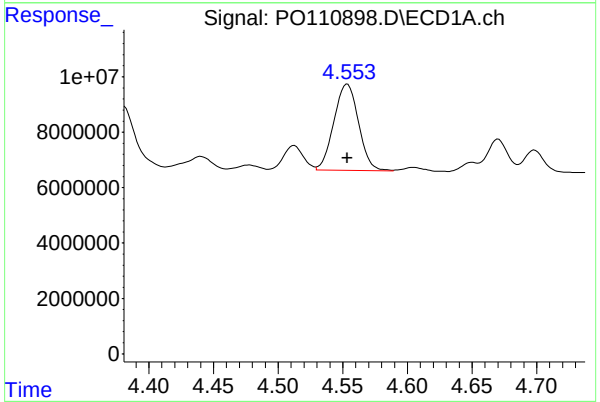
R.T.: 4.060 min
Delta R.T.: 0.000 min
Response: 76792032
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



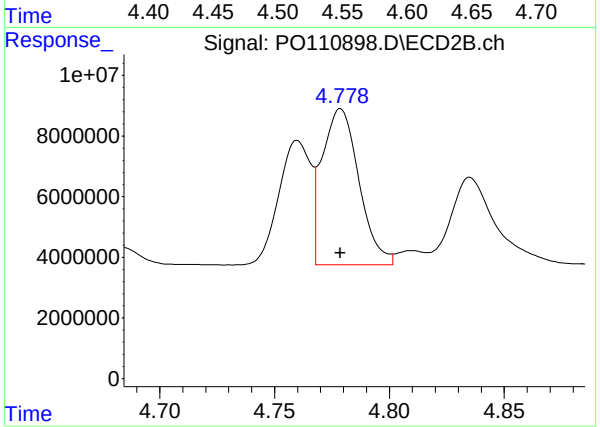
#11 AR-1232-1

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



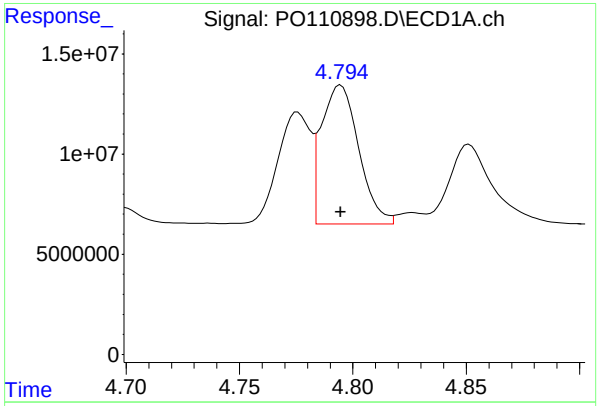
#12 AR-1232-2

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



#12 AR-1232-2

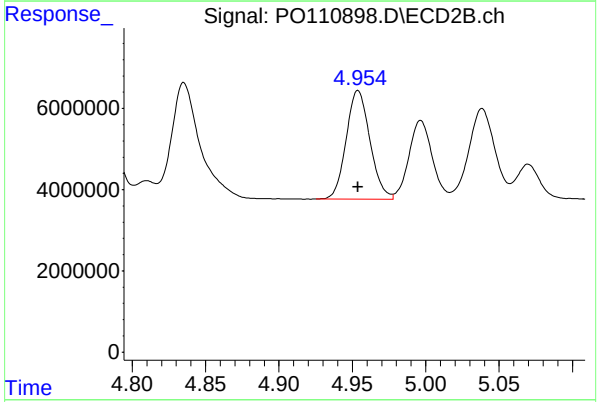
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 57517475
Conc: 500.00 ng/ml



#13 AR-1232-3

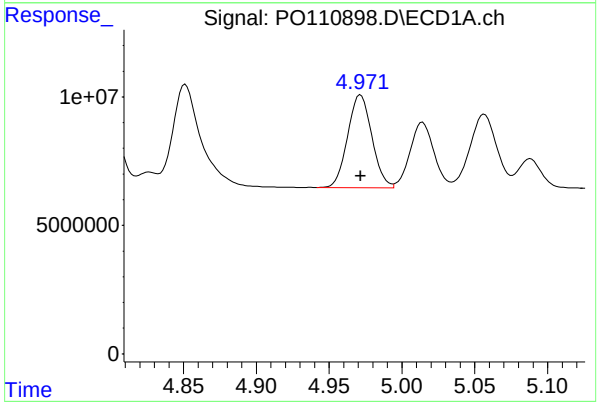
R.T.: 4.795 min
Delta R.T.: 0.000 min
Response: 79542471
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



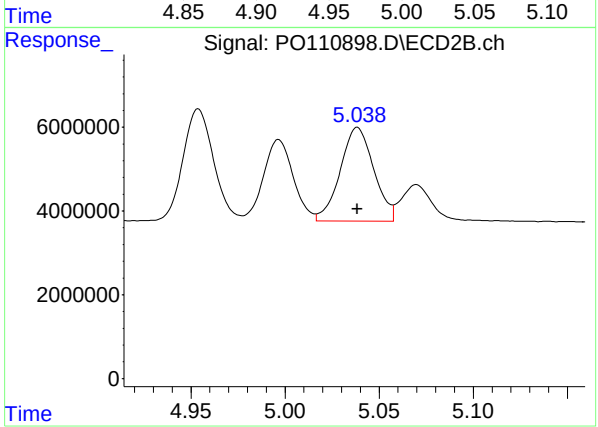
#13 AR-1232-3

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



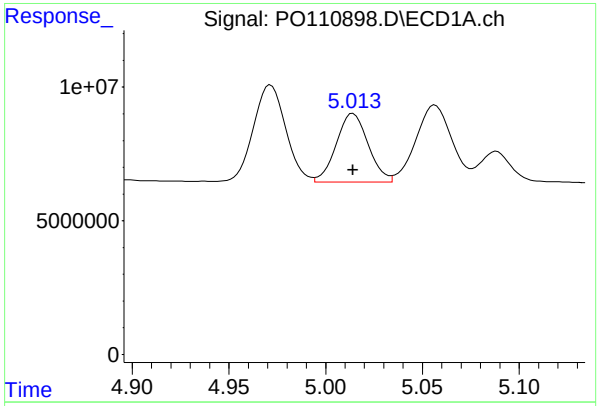
#14 AR-1232-4

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



#14 AR-1232-4

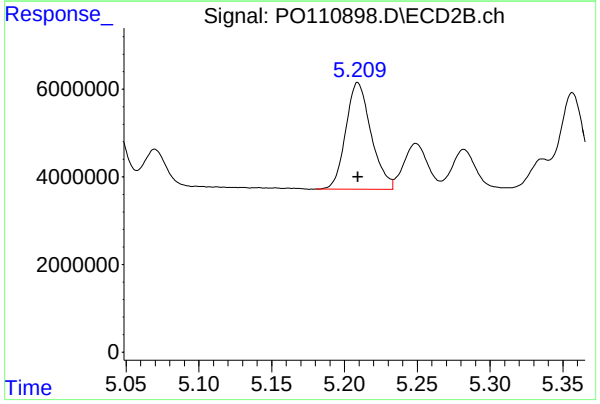
R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 27856270
Conc: 500.00 ng/ml



#15 AR-1232-5

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

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.681	581.6E6	494.9E6	99.328	99.974
2)	SA Decachlor...	8.729	8.677	588.8E6	158.1E6	96.137	95.713
	Target Compounds						
16)	L4 AR-1242-1	4.776	4.760	177.0E6	126.7E6	975.415	973.687
17)	L4 AR-1242-2	4.794	4.779	248.5E6	183.9E6	972.816	980.698
18)	L4 AR-1242-3	4.851	4.954	171.5E6	97737881	955.216	984.929
19)	L4 AR-1242-4	4.971	5.039	135.3E6	96899292	990.368	975.100
20)	L4 AR-1242-5	5.624	5.559	144.4E6	117.8E6	942.756	956.871

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

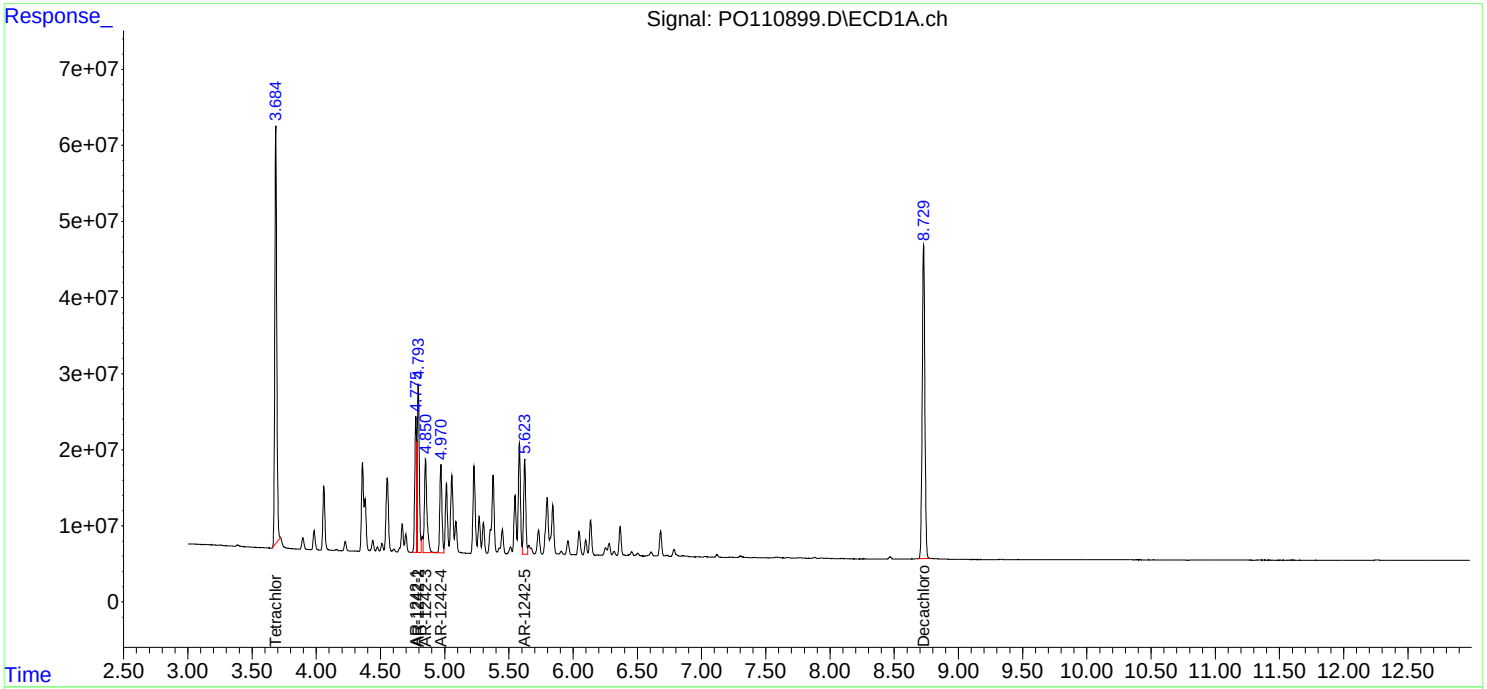
ICAL Form

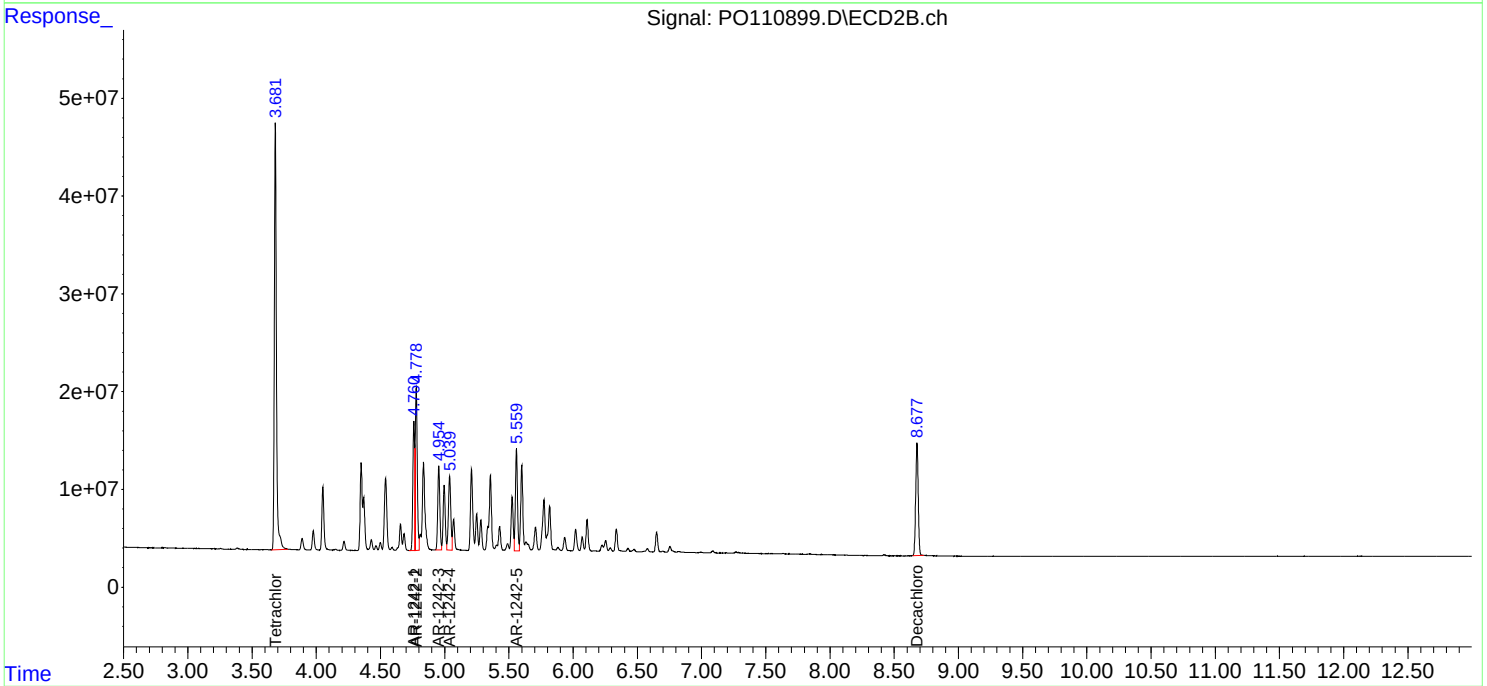
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 11:53
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

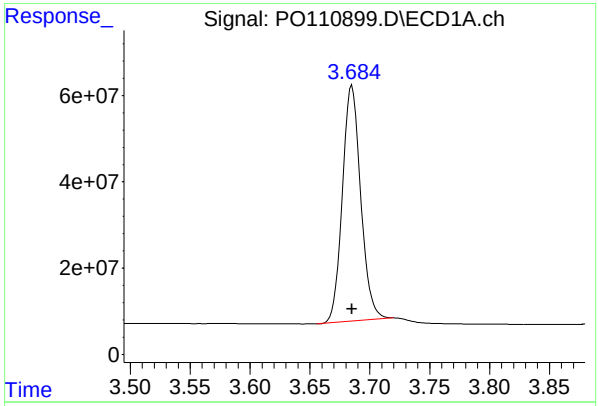
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

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

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



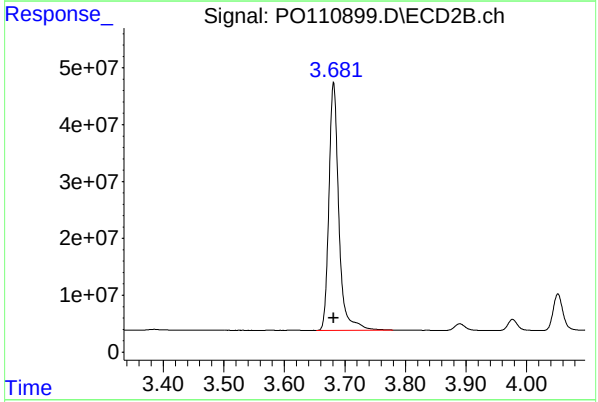




#1 Tetrachloro-m-xylene

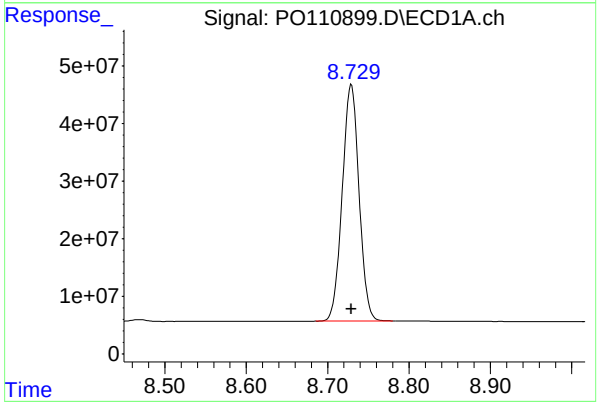
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 581633705
Conc: 99.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



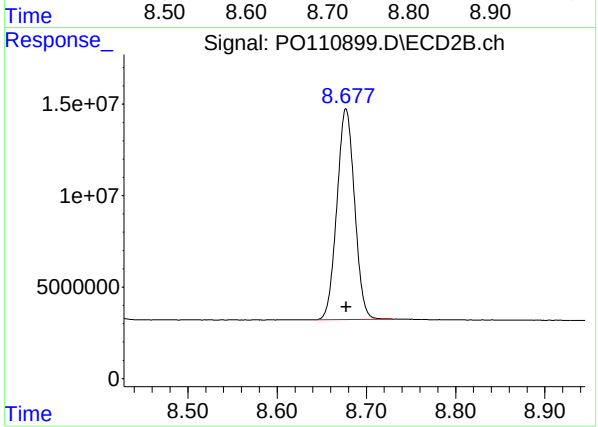
#1 Tetrachloro-m-xylene

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



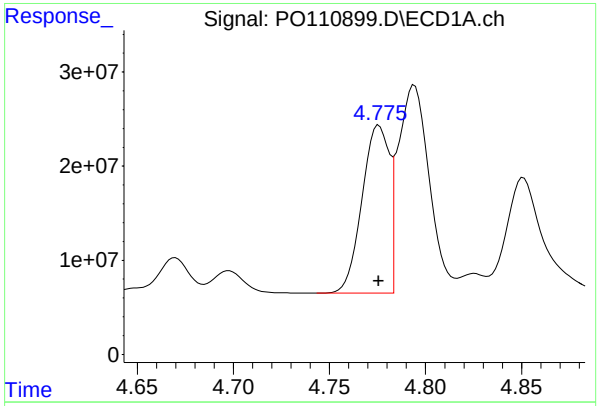
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

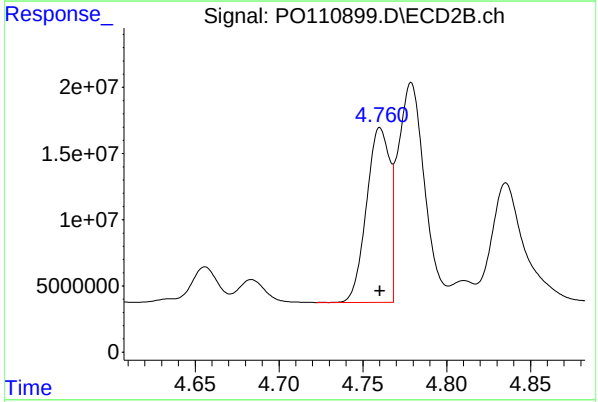
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 158140910
Conc: 95.71 ng/ml



#16 AR-1242-1

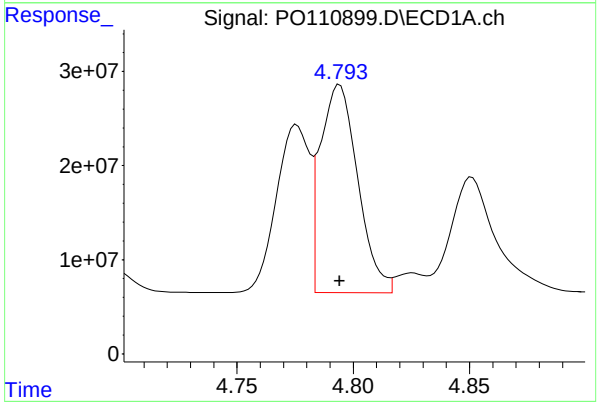
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 176981853
Conc: 975.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



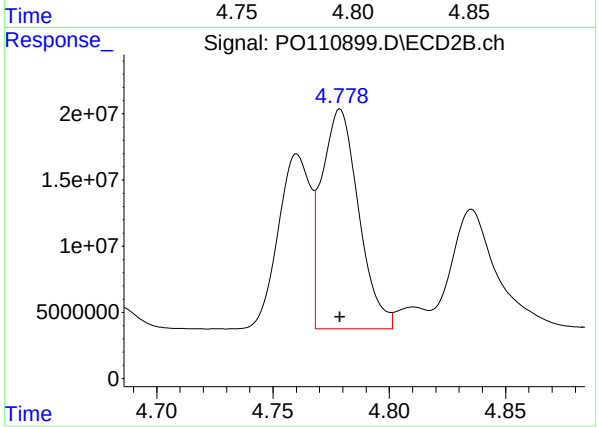
#16 AR-1242-1

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



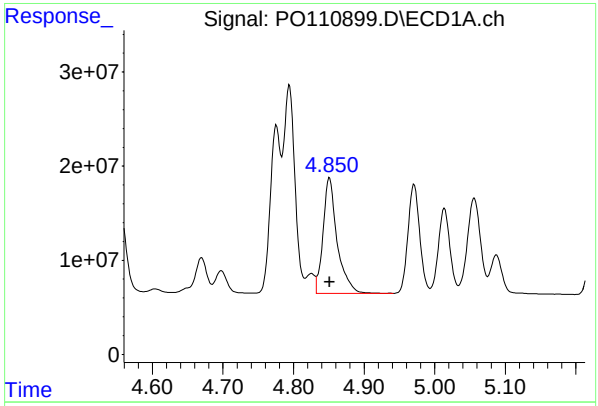
#17 AR-1242-2

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



#17 AR-1242-2

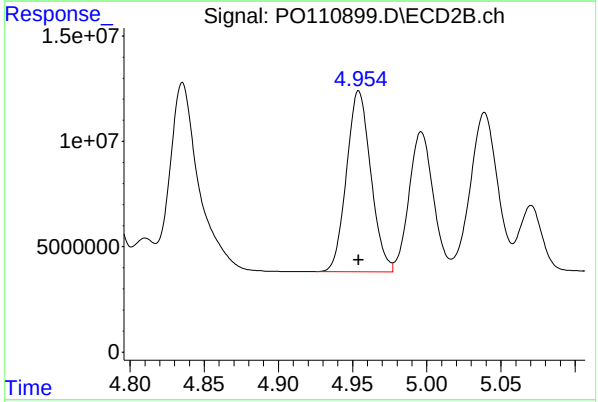
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 183881128
Conc: 980.70 ng/ml



#18 AR-1242-3

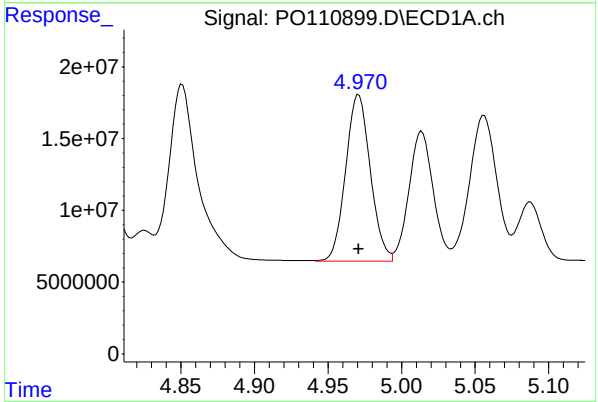
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 171468652
Conc: 955.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



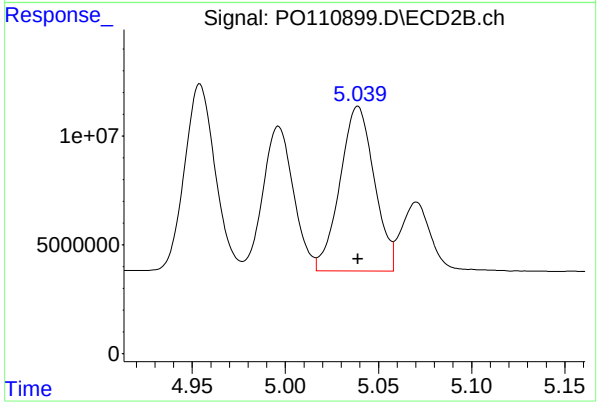
#18 AR-1242-3

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



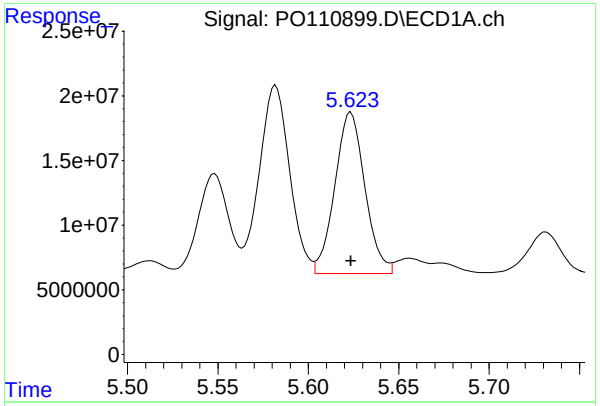
#19 AR-1242-4

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



#19 AR-1242-4

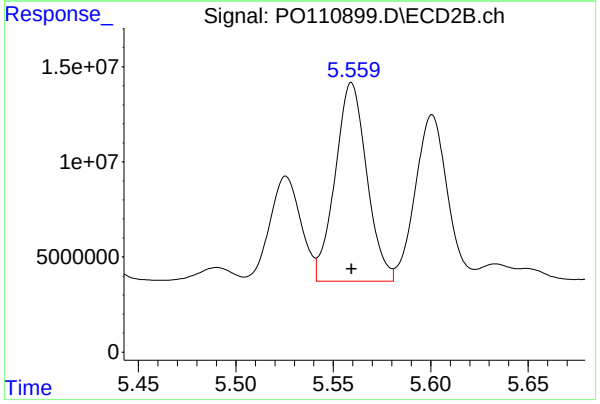
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 96899292
Conc: 975.10 ng/ml



#20 AR-1242-5

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.686	3.681	446.5E6	377.3E6	75.826	75.811
2)	SA Decachlor...	8.728	8.678	460.2E6	123.9E6	75.087	74.984
	Target Compounds						
16)	L4 AR-1242-1	4.777	4.760	138.8E6	98433273	760.056	754.308
17)	L4 AR-1242-2	4.795	4.779	194.6E6	142.9E6	757.844	758.056
18)	L4 AR-1242-3	4.852	4.954	135.2E6	75743354	752.044	758.804
19)	L4 AR-1242-4	4.972	5.039	106.1E6	75592112	767.548	757.090
20)	L4 AR-1242-5	5.625	5.559	114.3E6	92073122	747.129	748.398

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

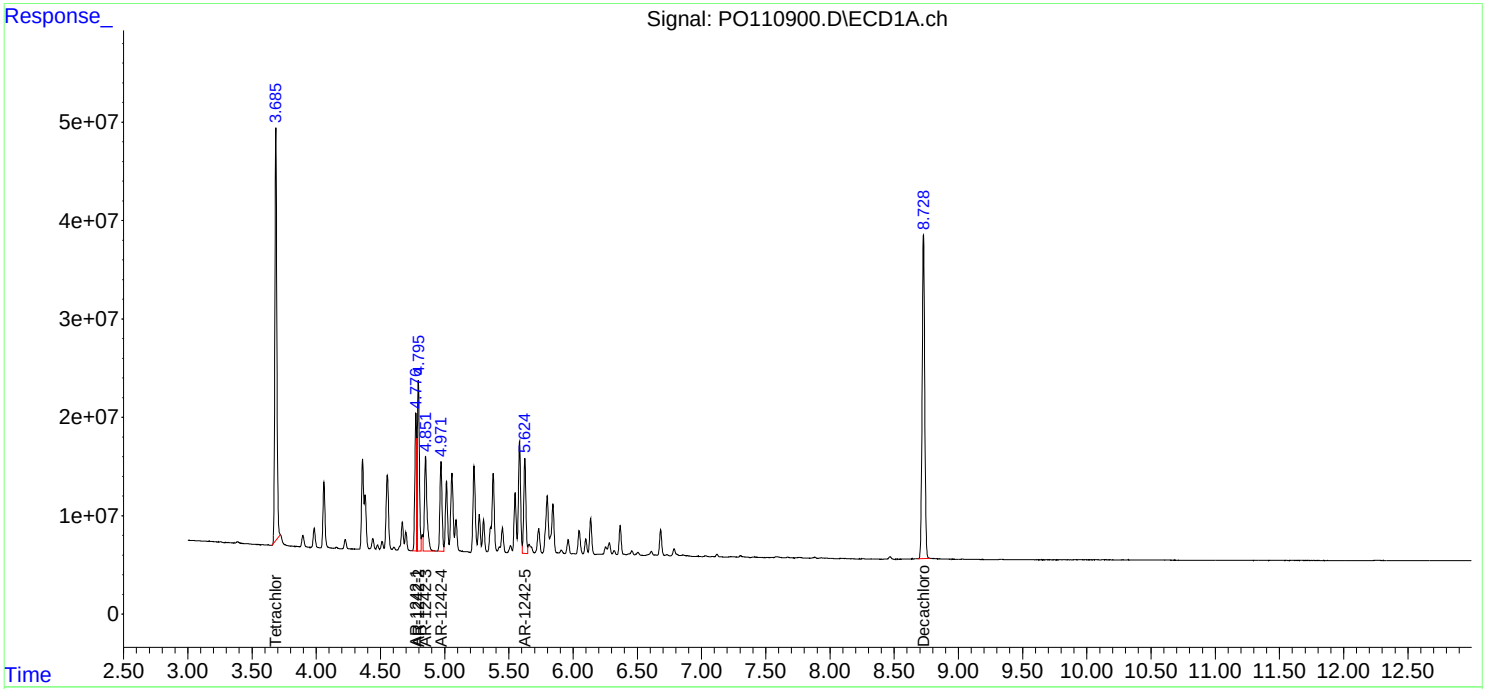
ICAL Form

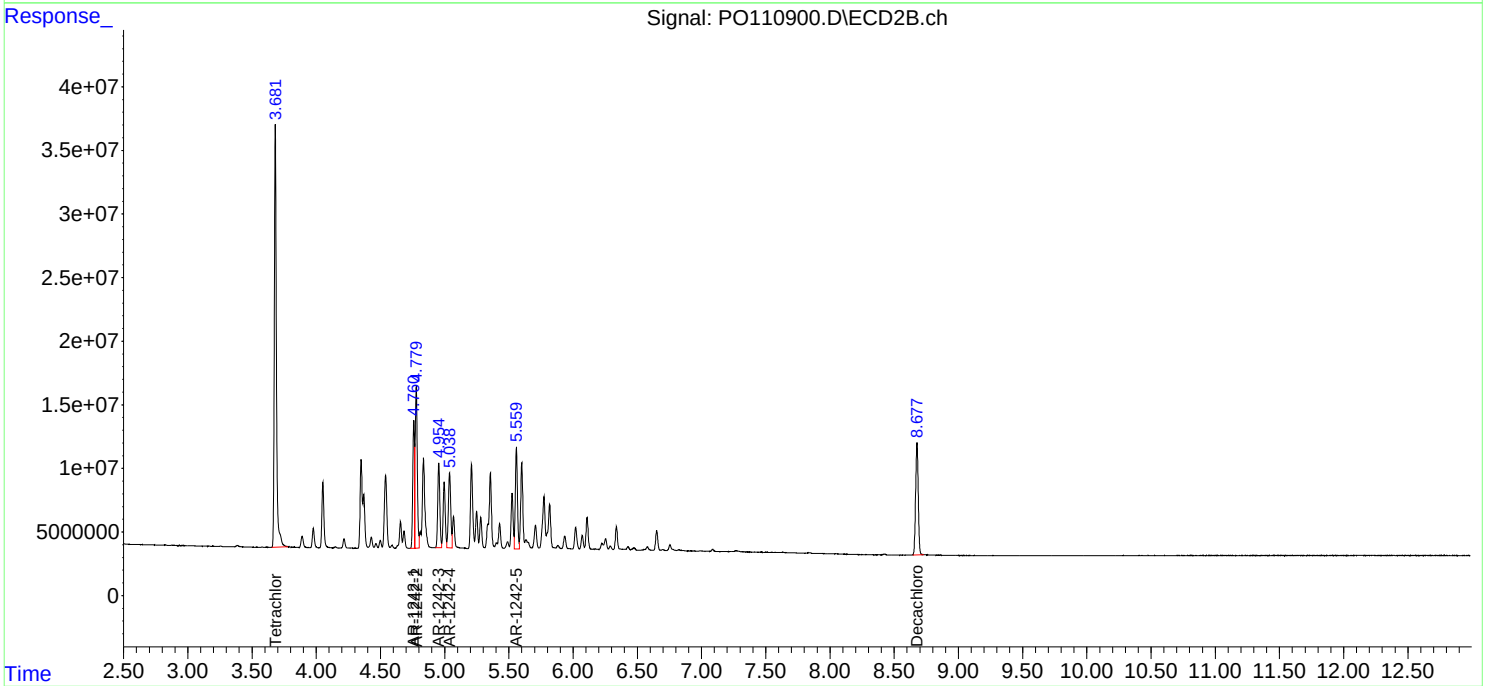
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 12:11
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

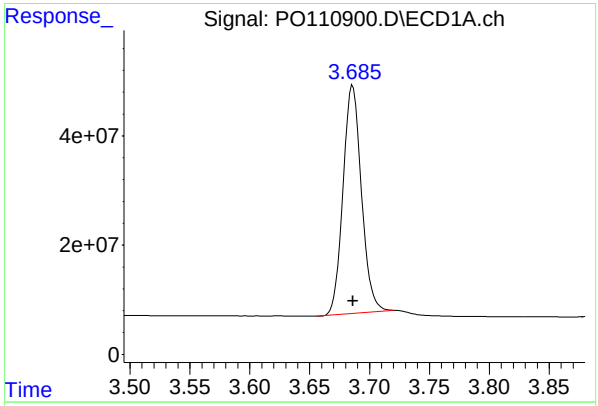
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

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

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



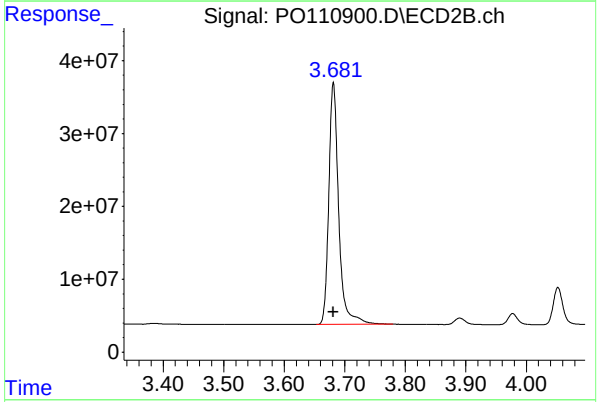




#1 Tetrachloro-m-xylene

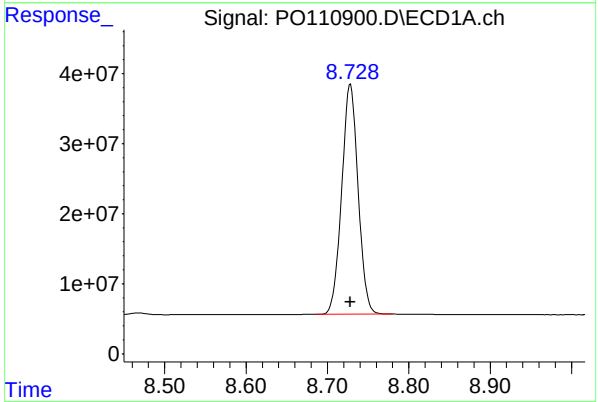
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 446473980
Conc: 75.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



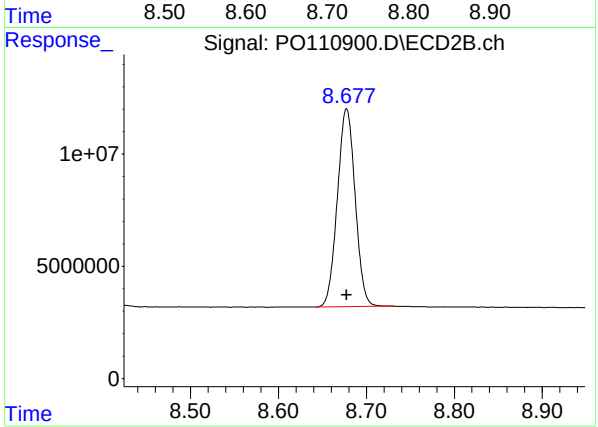
#1 Tetrachloro-m-xylene

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



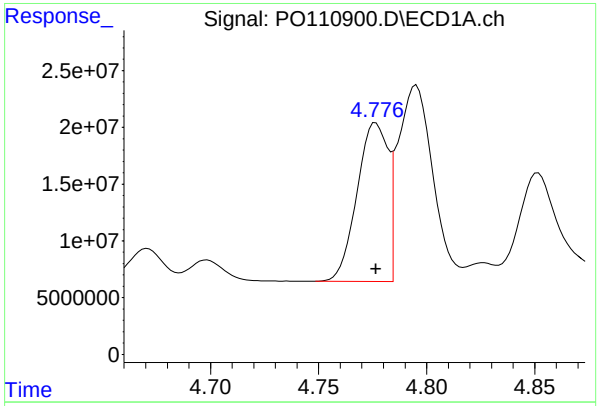
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

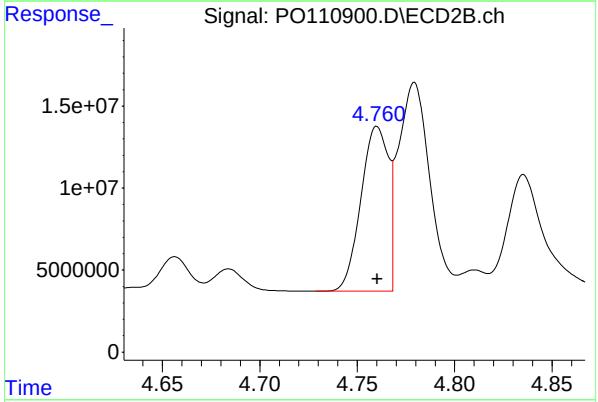
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 123877654
Conc: 74.98 ng/ml



#16 AR-1242-1

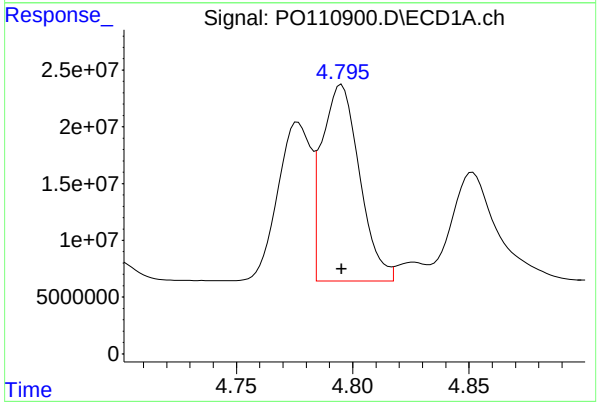
R.T.: 4.777 min
Delta R.T.: 0.000 min
Response: 138837420
Conc: 760.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



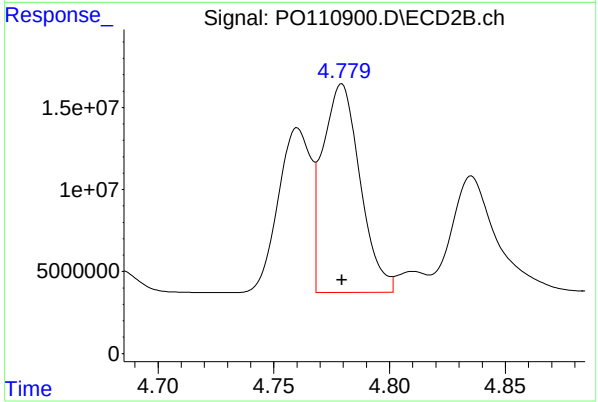
#16 AR-1242-1

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



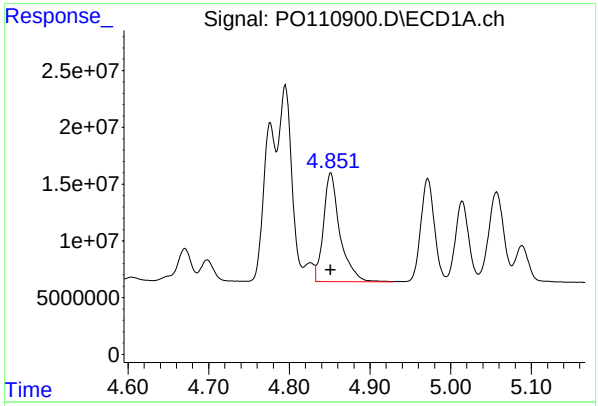
#17 AR-1242-2

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



#17 AR-1242-2

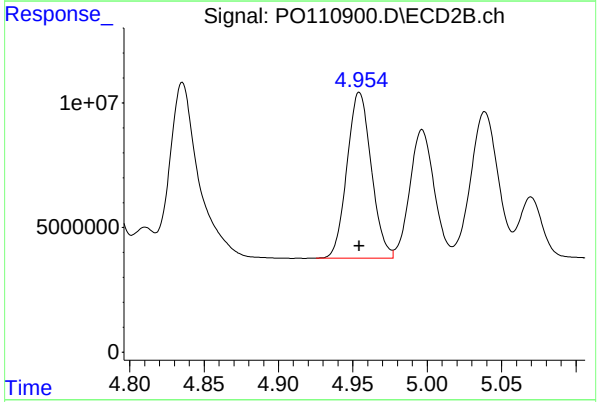
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 142903280
Conc: 758.06 ng/ml



#18 AR-1242-3

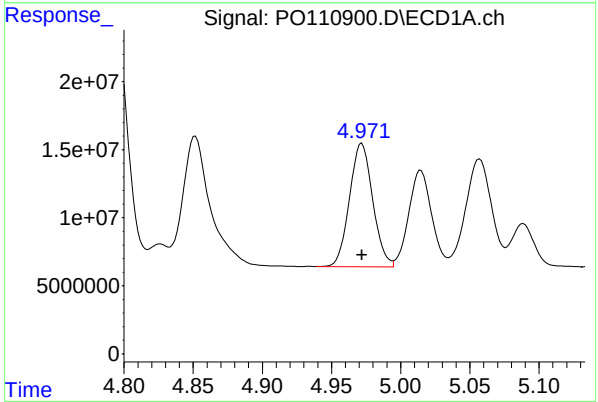
R.T.: 4.852 min
Delta R.T.: 0.000 min
Response: 135181790
Conc: 752.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



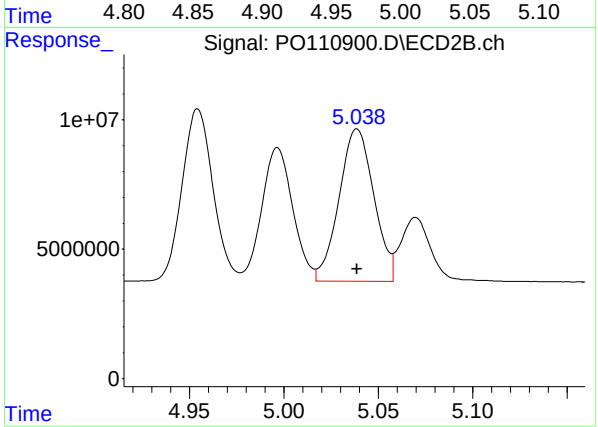
#18 AR-1242-3

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



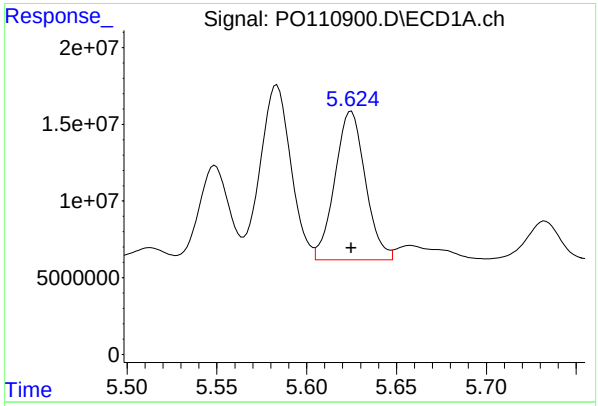
#19 AR-1242-4

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



#19 AR-1242-4

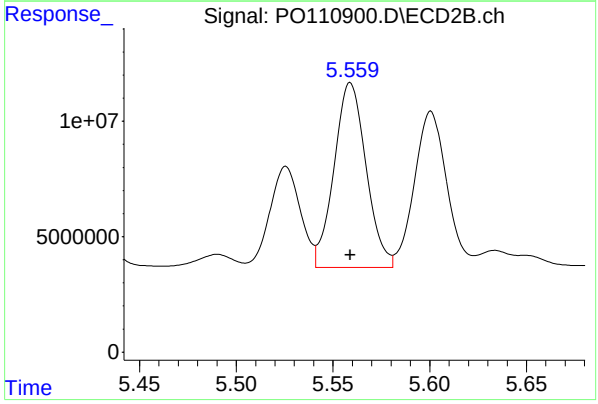
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 75592112
Conc: 757.09 ng/ml



#20 AR-1242-5

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.686	3.681	294.8E6	247.6E6	50.000	50.000
2)	SA Decachlor...	8.728	8.677	318.1E6	86153414	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	4.776	4.760	92951669	66771882	500.000	500.000
17)	L4 AR-1242-2	4.795	4.779	131.2E6	95559690	500.000	500.000
18)	L4 AR-1242-3	4.851	4.955	93773385	50364487	500.000	500.000
19)	L4 AR-1242-4	4.971	5.039	68984065	50924005	500.000	500.000
20)	L4 AR-1242-5	5.624	5.560	80995537	64235014	500.000	500.000

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

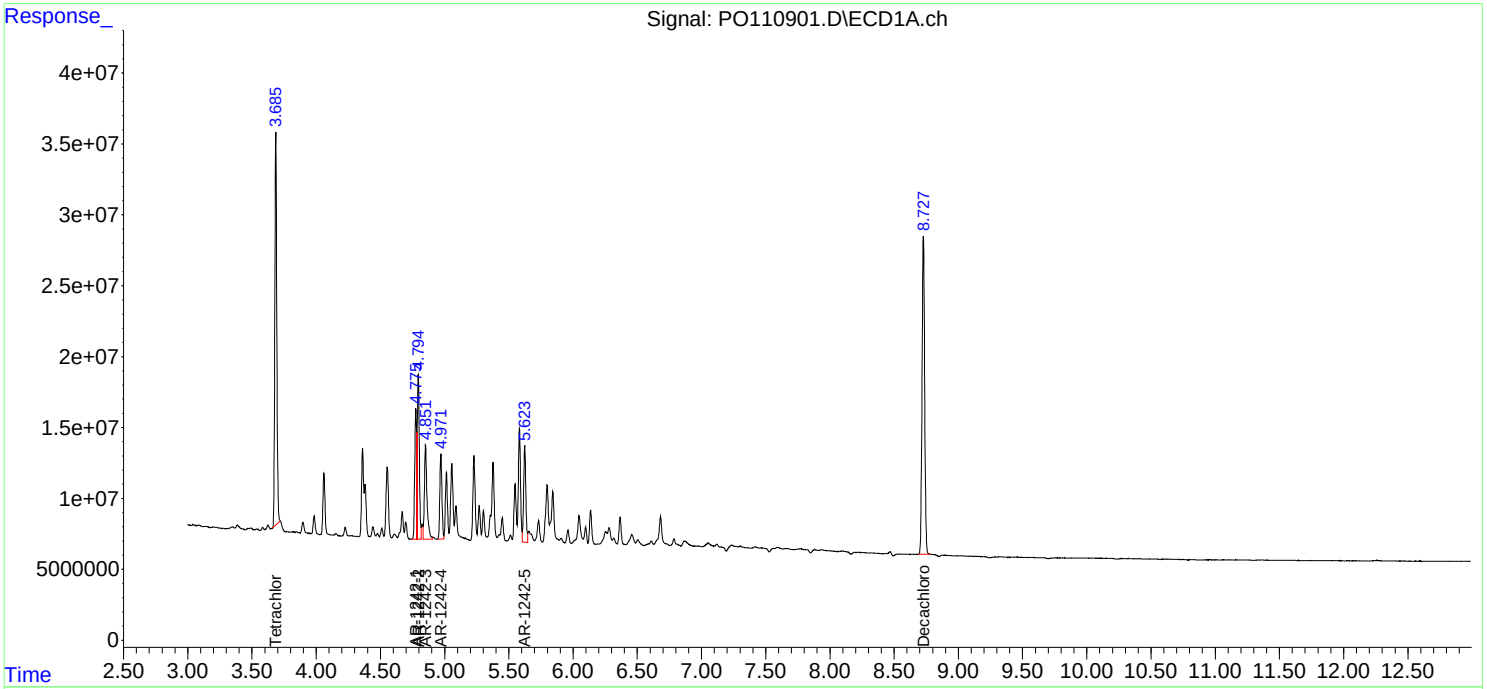
ICAL Form

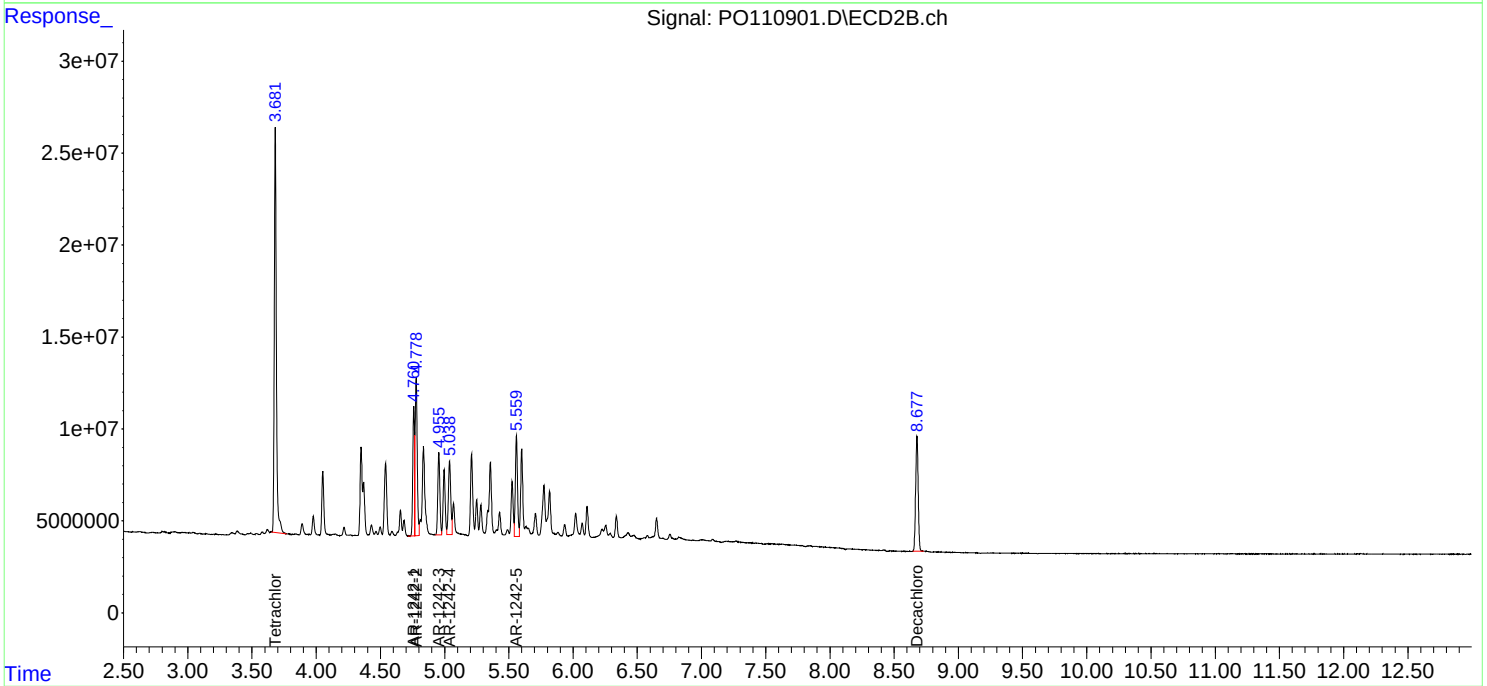
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 12:29
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

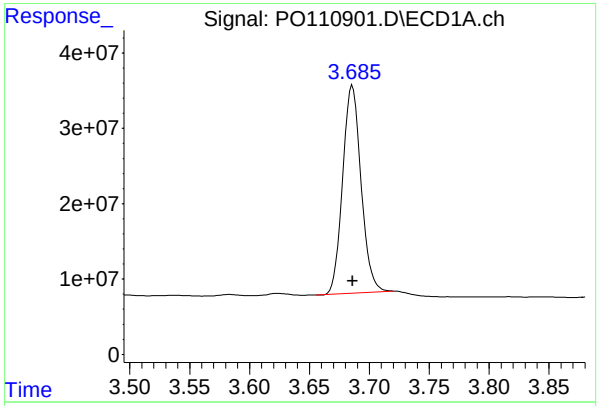
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

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

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



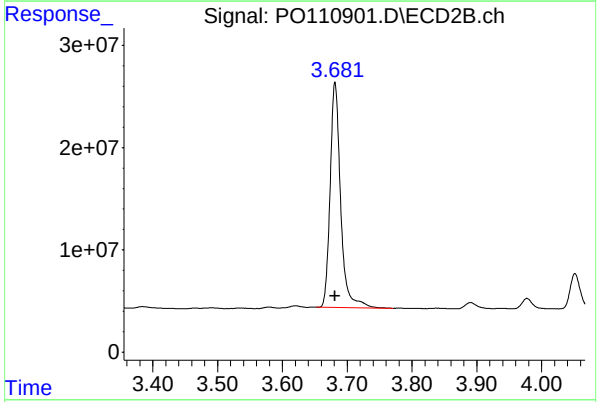




#1 Tetrachloro-m-xylene

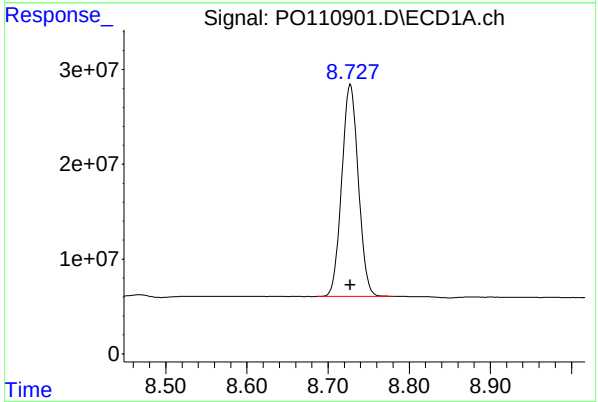
R.T.: 3.686 min
Delta R.T.: 0.000 min
Response: 294754000
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



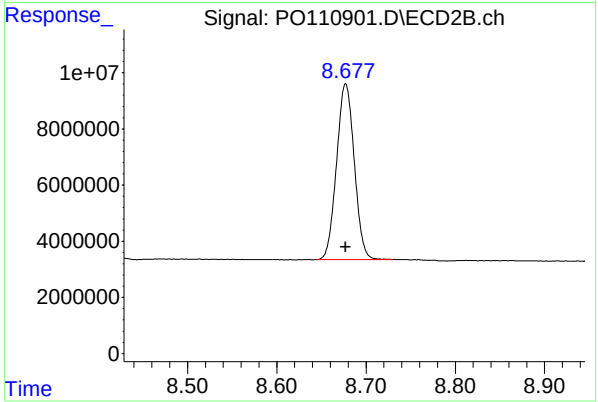
#1 Tetrachloro-m-xylene

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



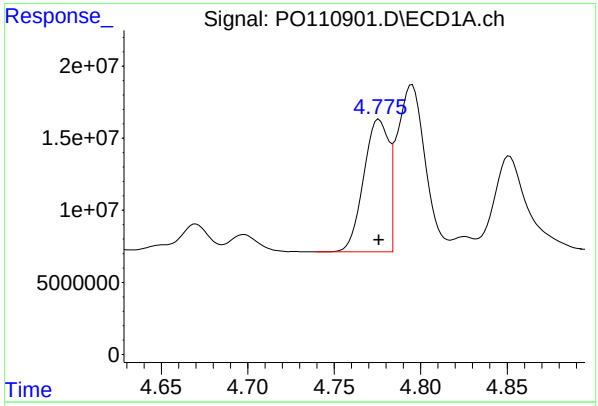
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

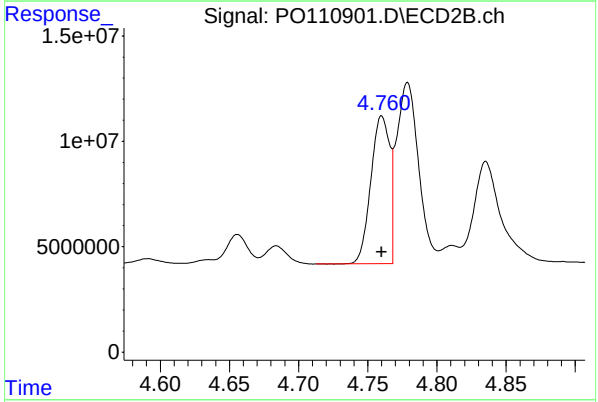
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 86153414
Conc: 50.00 ng/ml



#16 AR-1242-1

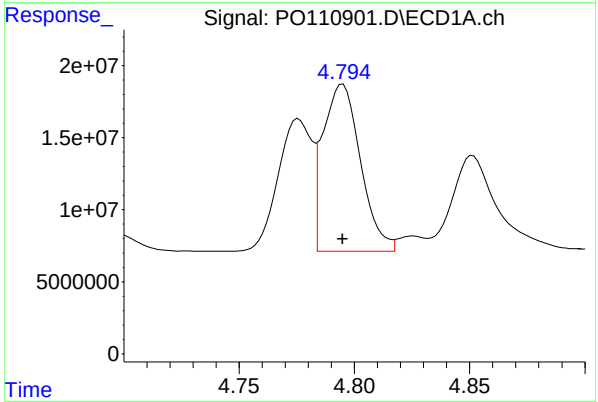
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 92951669
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



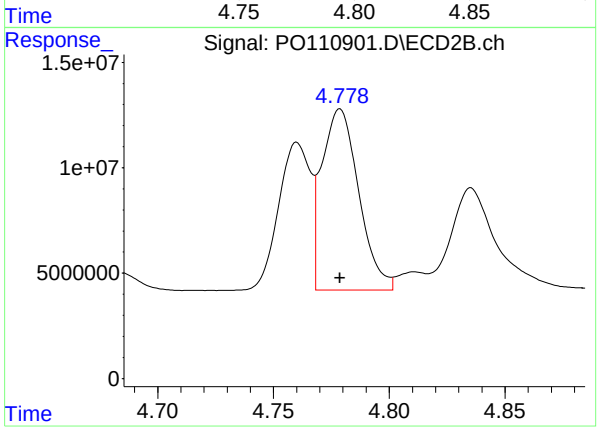
#16 AR-1242-1

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



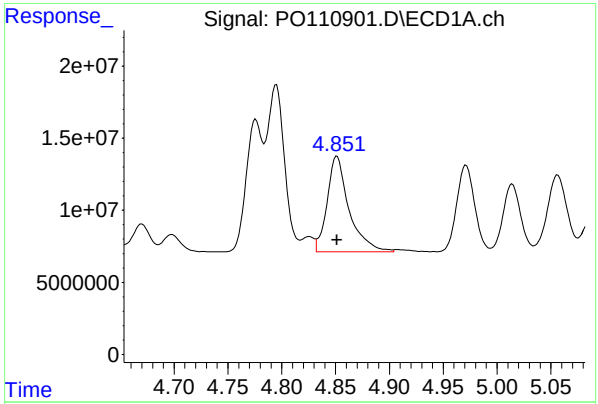
#17 AR-1242-2

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



#17 AR-1242-2

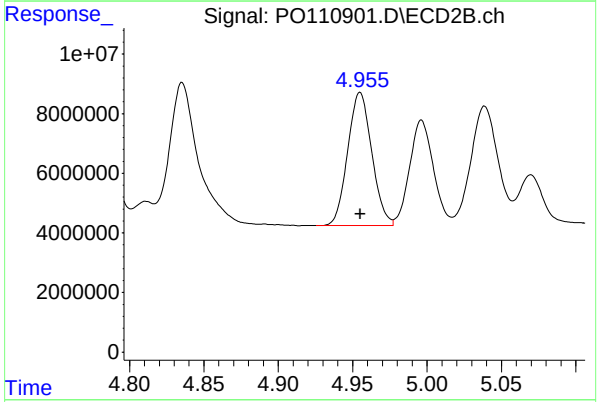
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 95559690
Conc: 500.00 ng/ml



#18 AR-1242-3

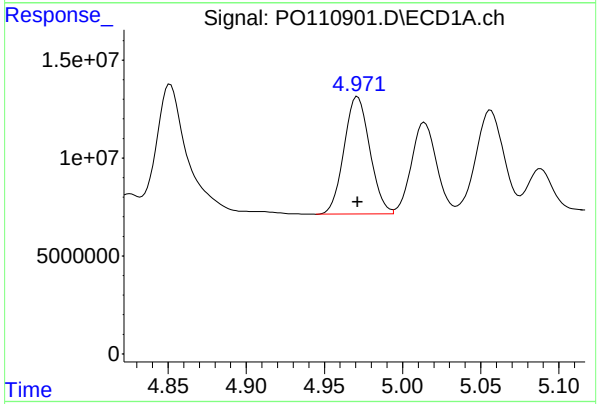
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 93773385
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



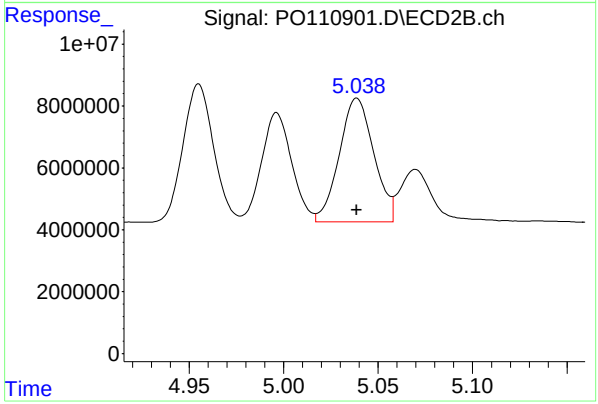
#18 AR-1242-3

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



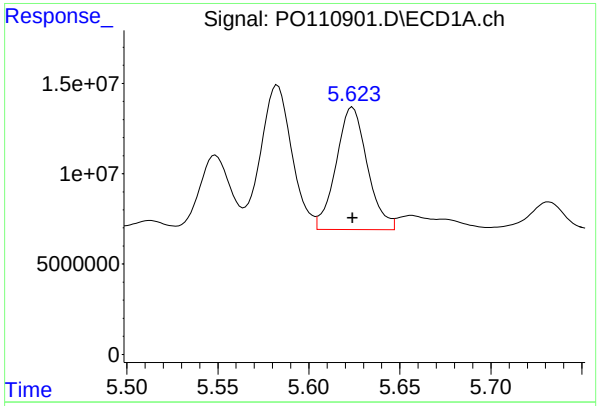
#19 AR-1242-4

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



#19 AR-1242-4

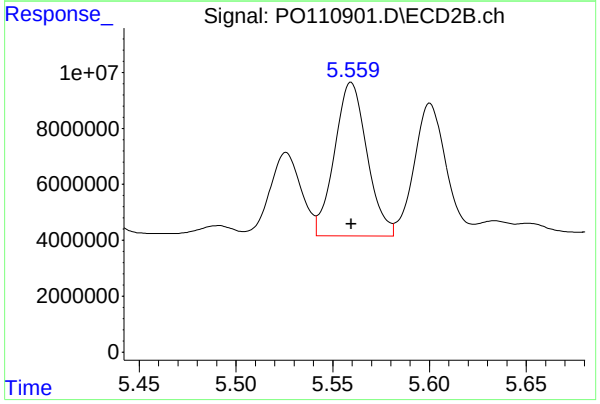
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 50924005
Conc: 500.00 ng/ml



#20 AR-1242-5

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.681	146.5E6	122.9E6	24.909	24.773
2)	SA Decachlor...	8.728	8.677	169.7E6	46353742	26.968	27.226
	Target Compounds						
16)	L4 AR-1242-1	4.776	4.760	47966923	34365565	259.326	259.879
17)	L4 AR-1242-2	4.795	4.779	67164450	49510044	258.606	259.358
18)	L4 AR-1242-3	4.851	4.955	46325051	26360901	255.742	260.418
19)	L4 AR-1242-4	4.971	5.039	36222152	27070746	258.870	265.517
20)	L4 AR-1242-5	5.624	5.560	40019788	32392353	258.667	259.840

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

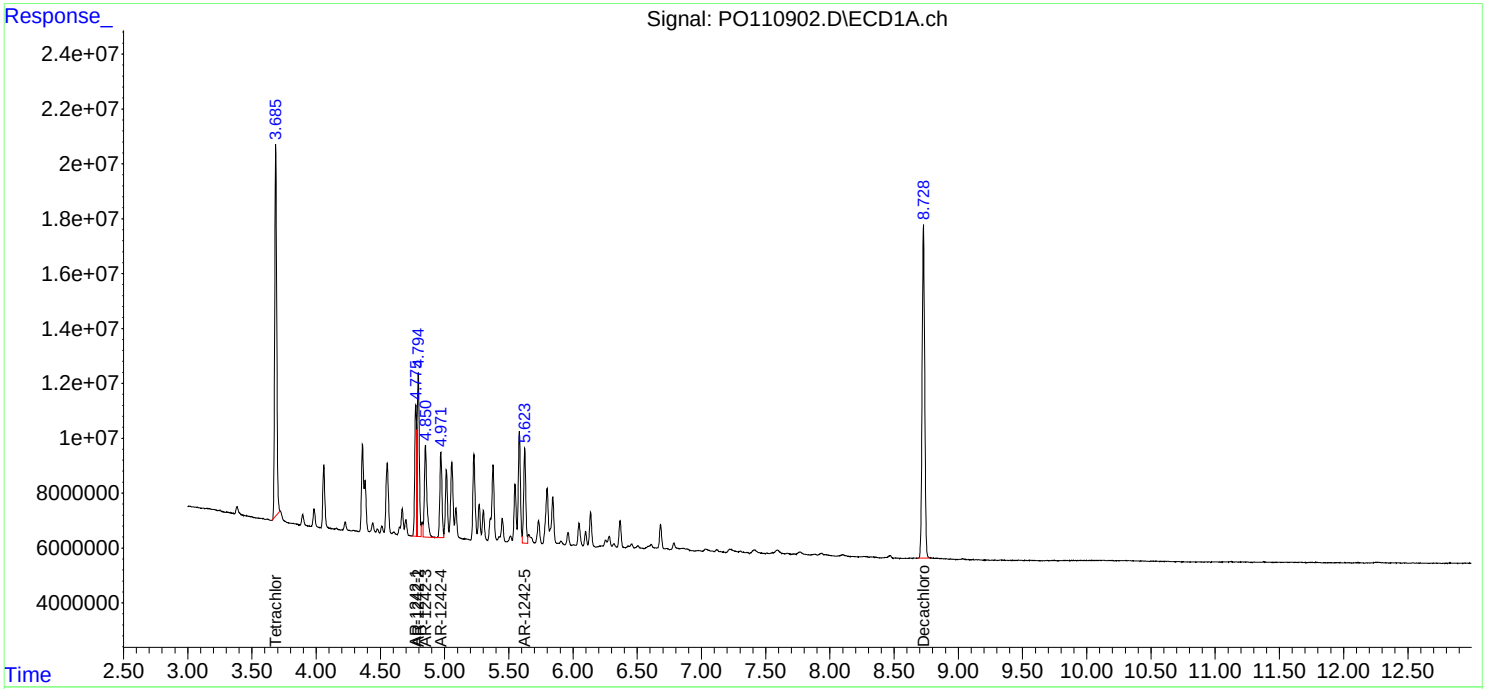
ICAL Form

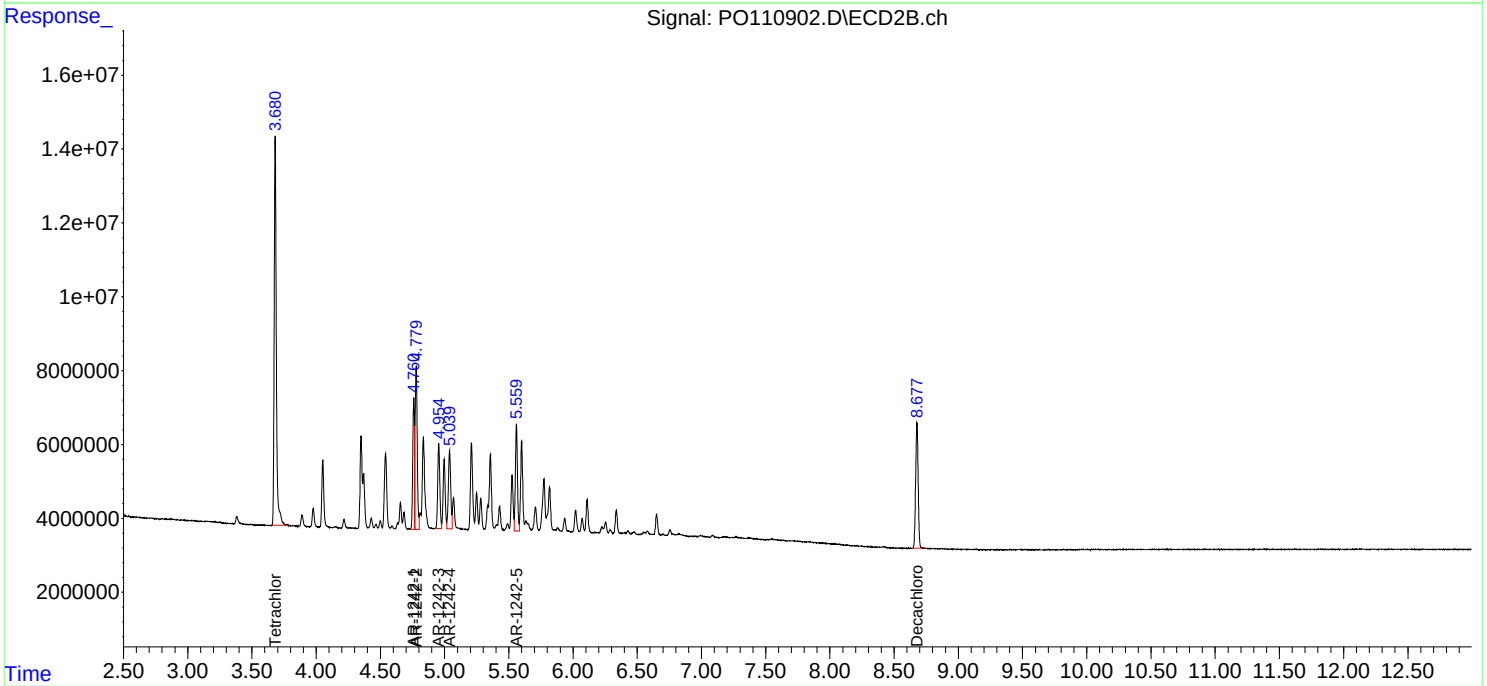
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 12:48
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

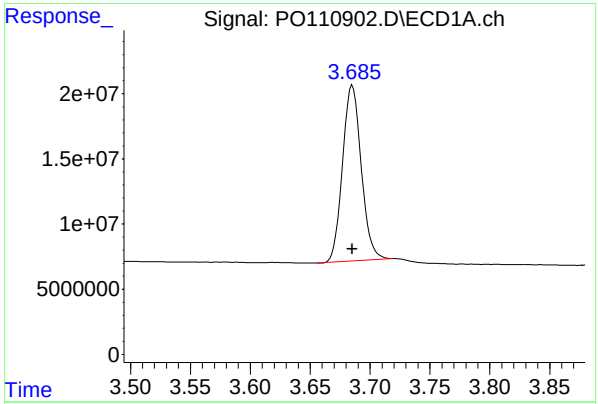
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

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

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



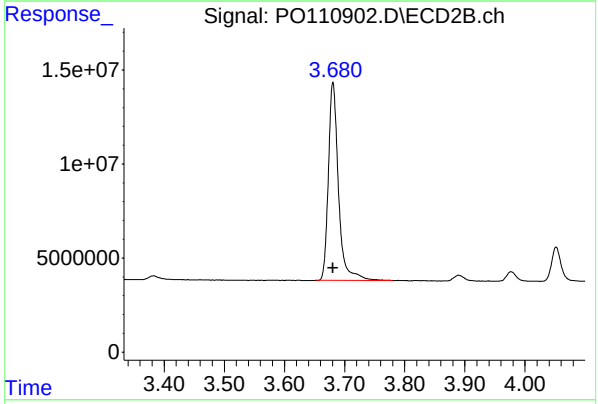




#1 Tetrachloro-m-xylene

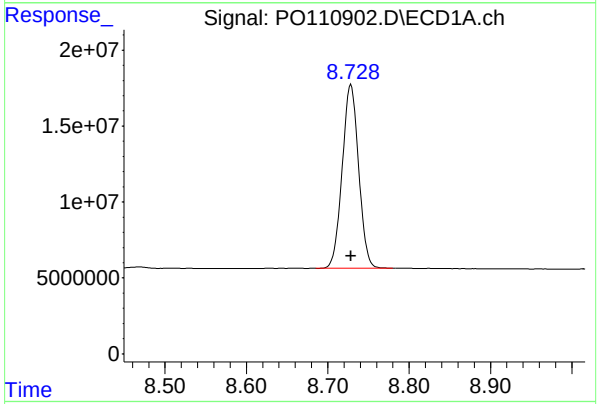
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 146488922
Conc: 24.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



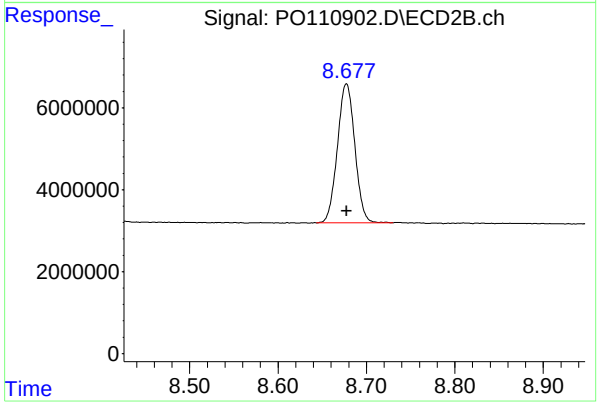
#1 Tetrachloro-m-xylene

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



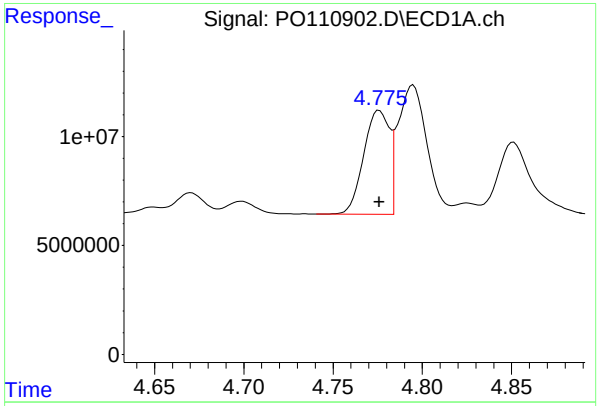
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

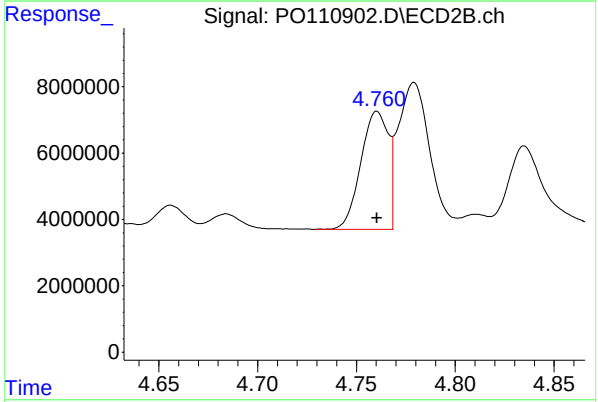
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 46353742
Conc: 27.23 ng/ml



#16 AR-1242-1

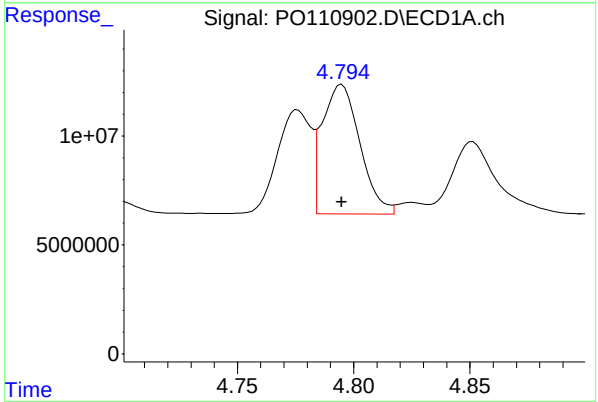
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 47966923
Conc: 259.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



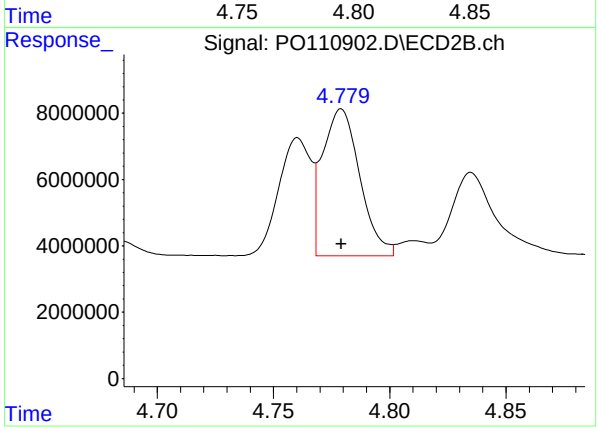
#16 AR-1242-1

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



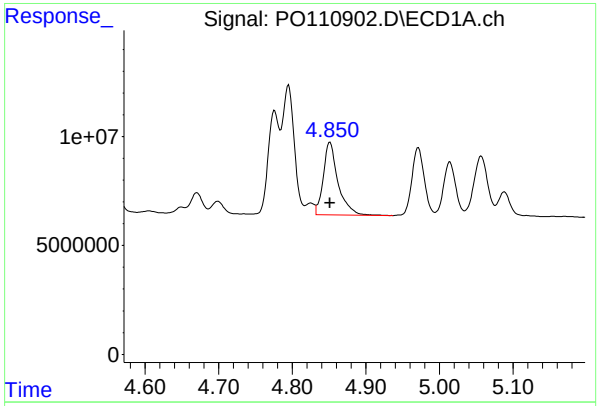
#17 AR-1242-2

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



#17 AR-1242-2

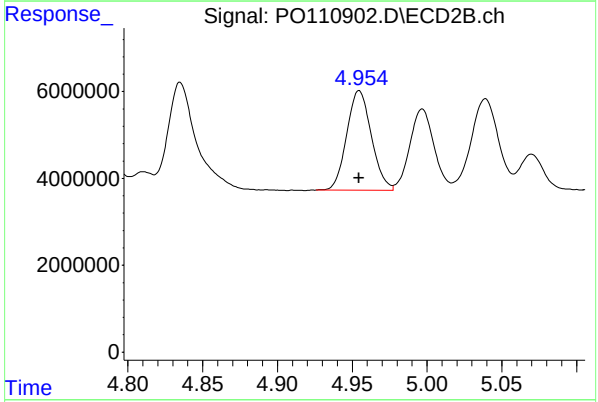
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 49510044
Conc: 259.36 ng/ml



#18 AR-1242-3

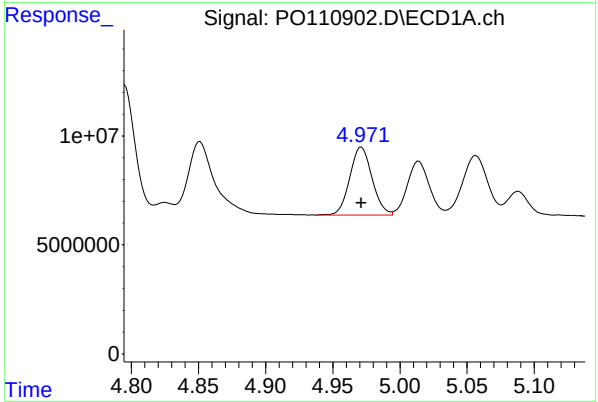
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 46325051
Conc: 255.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



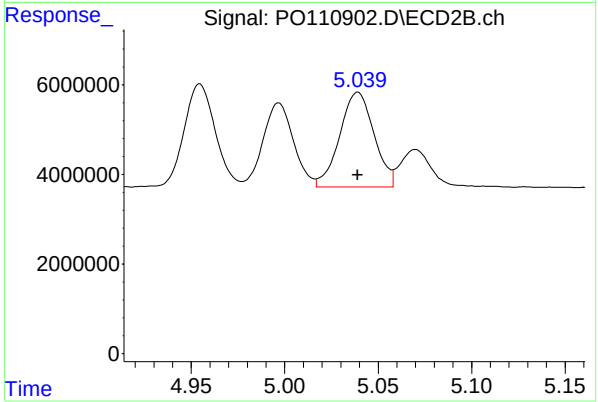
#18 AR-1242-3

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



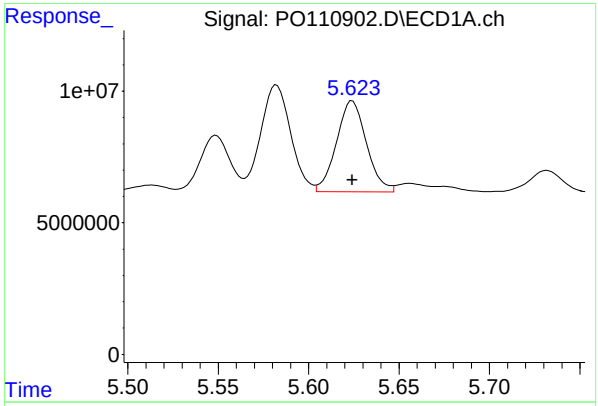
#19 AR-1242-4

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



#19 AR-1242-4

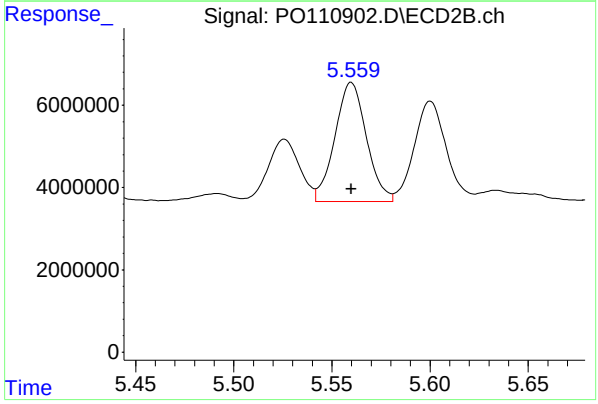
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 27070746
Conc: 265.52 ng/ml



#20 AR-1242-5

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

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

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

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

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

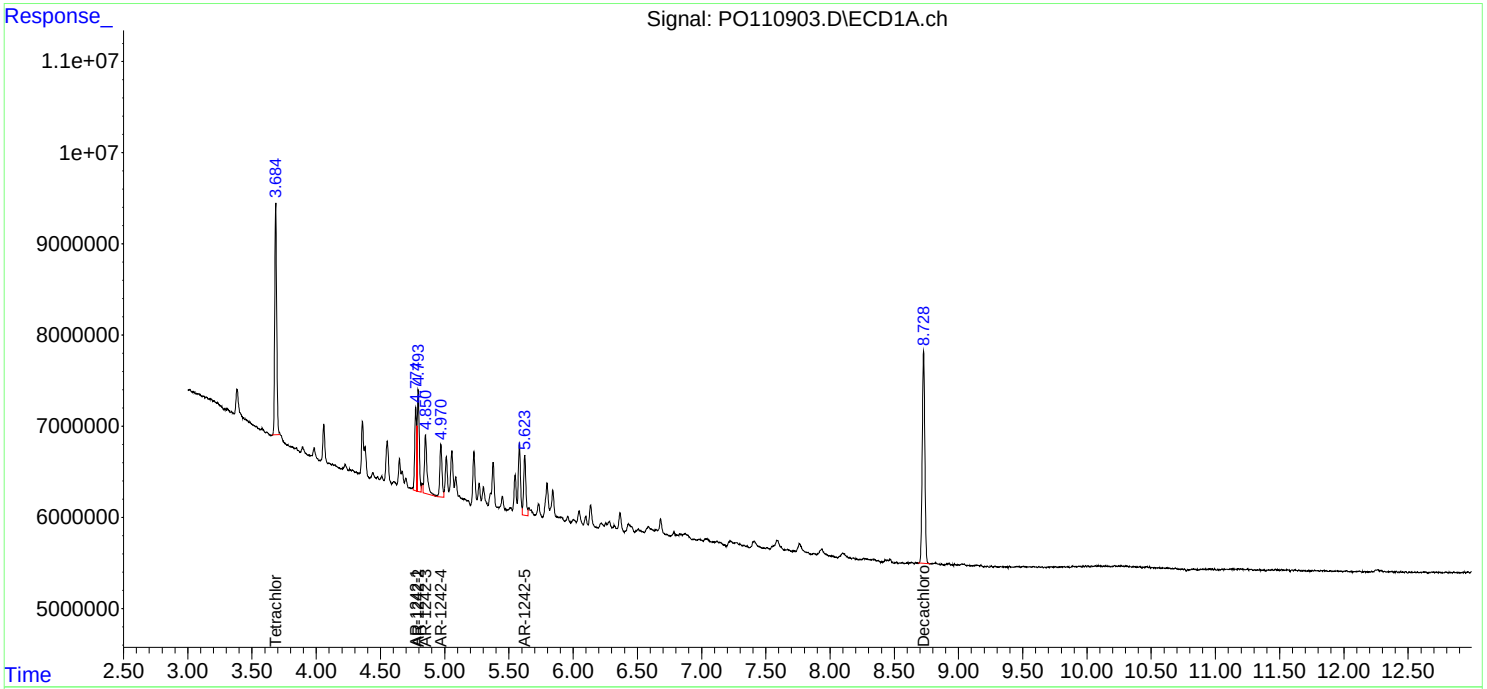
ICAL Form

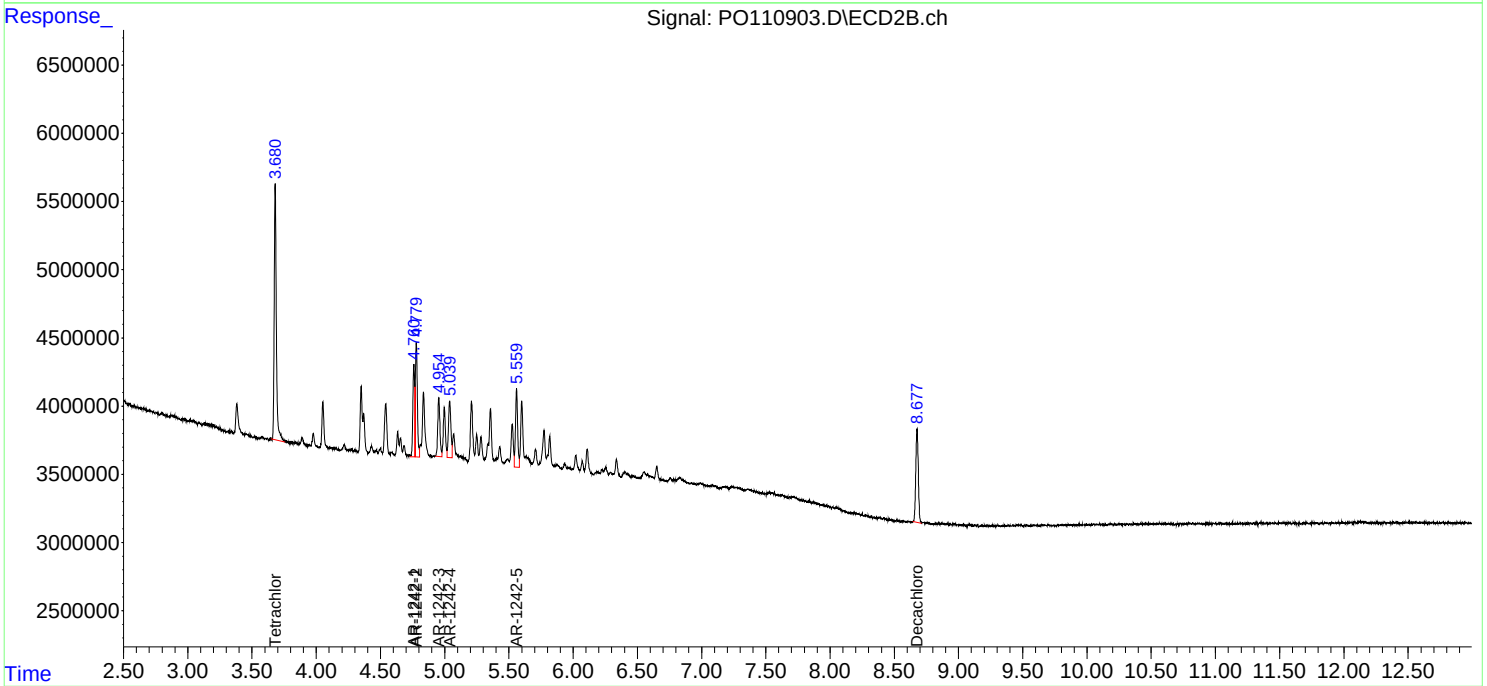
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 13:06
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

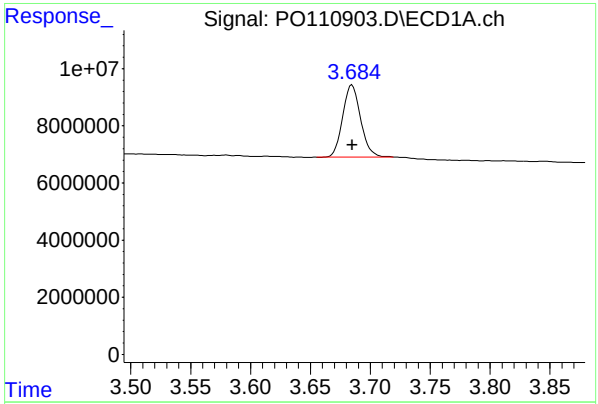
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

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

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



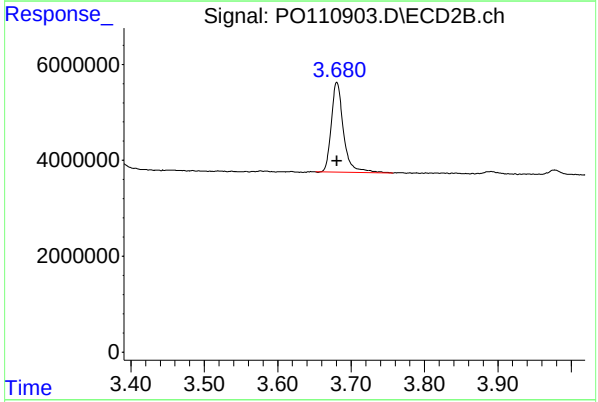




#1 Tetrachloro-m-xylene

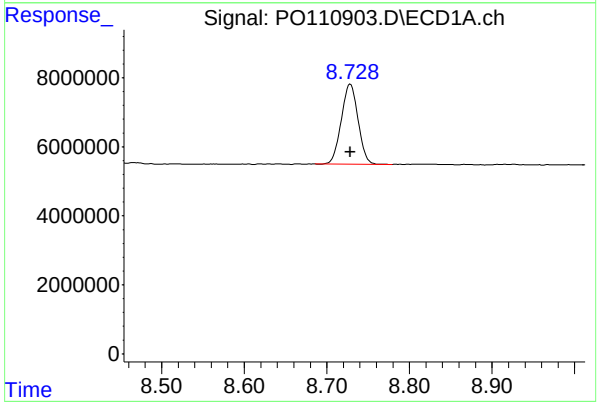
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 26290852
Conc: 4.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



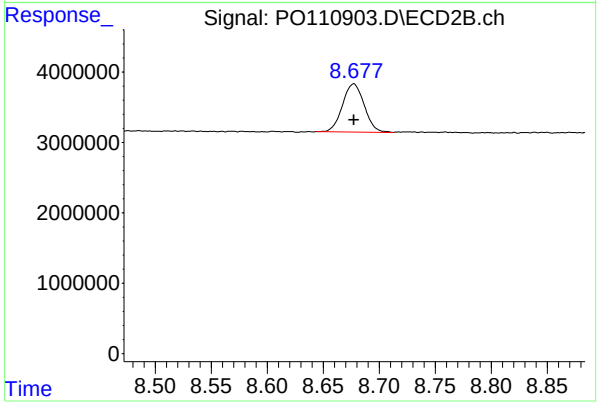
#1 Tetrachloro-m-xylene

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



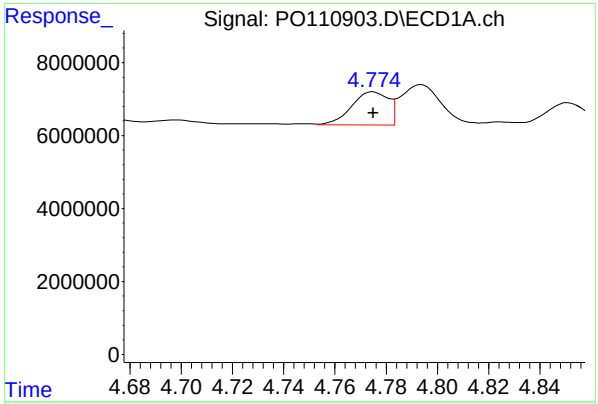
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

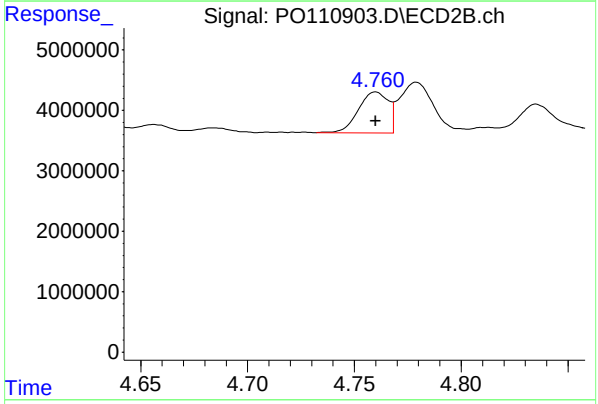
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 9207509
Conc: 5.32 ng/ml



#16 AR-1242-1

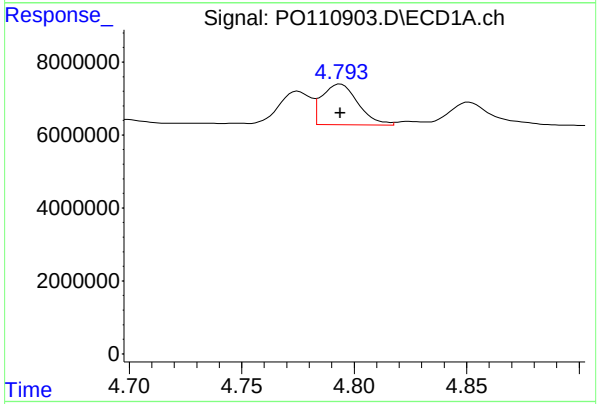
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 8988436
Conc: 48.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



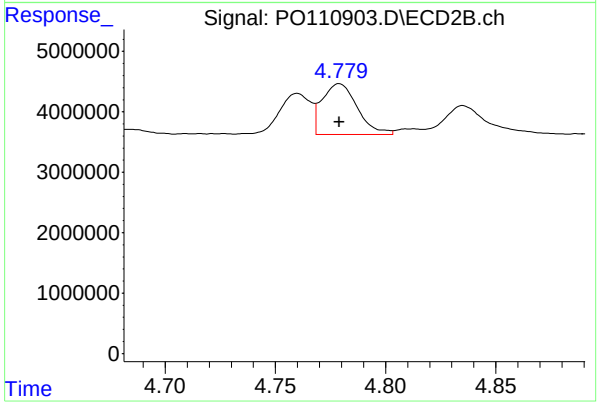
#16 AR-1242-1

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



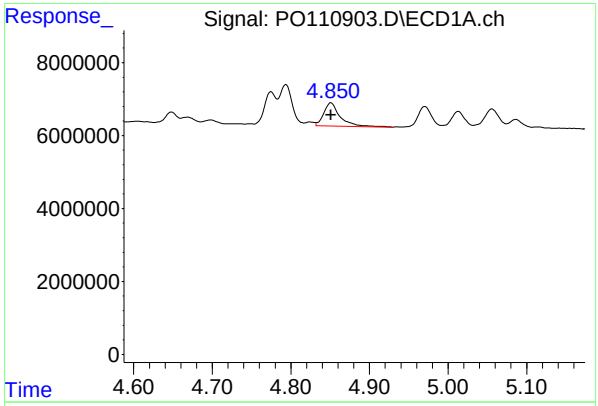
#17 AR-1242-2

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



#17 AR-1242-2

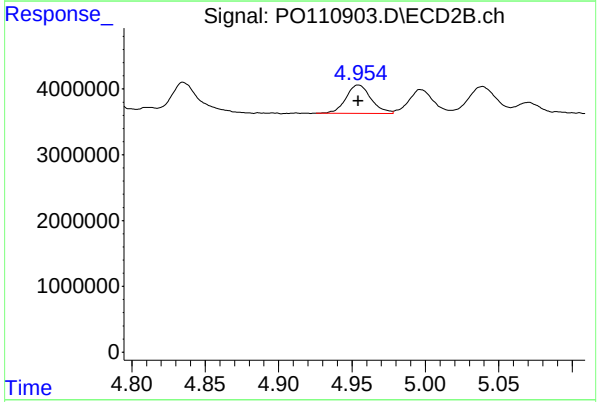
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 9339630
Conc: 49.14 ng/ml



#18 AR-1242-3

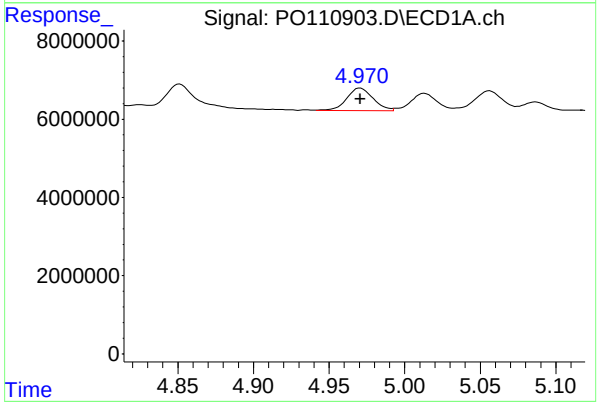
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 9299539
Conc: 51.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



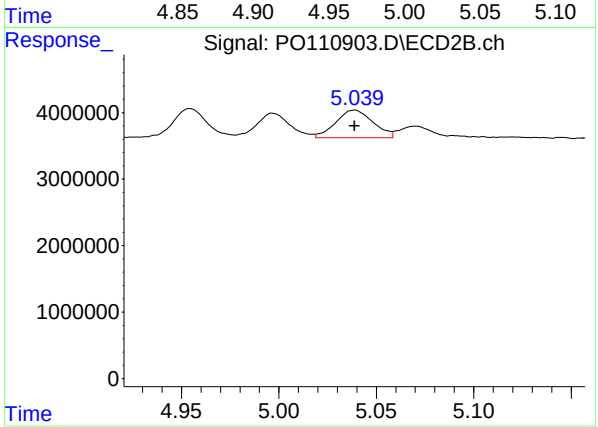
#18 AR-1242-3

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



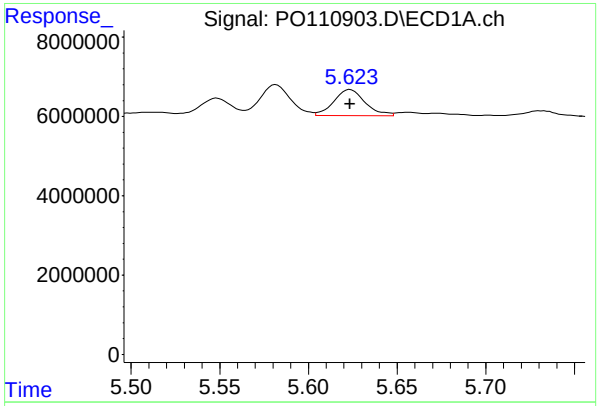
#19 AR-1242-4

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



#19 AR-1242-4

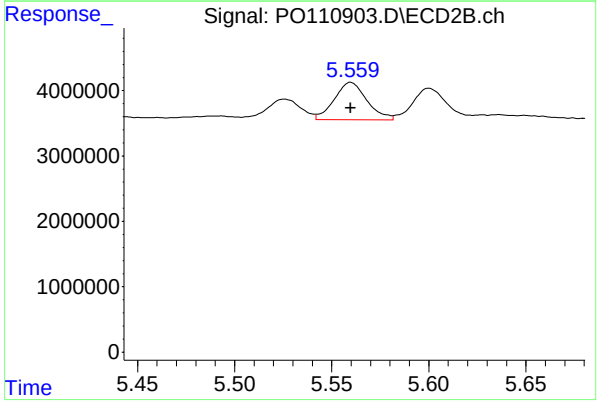
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 5536593
Conc: 53.39 ng/ml



#20 AR-1242-5

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.682	536.0E6	452.3E6	97.257	98.115
2)	SA Decachlor...	8.728	8.677	589.1E6	158.9E6	98.140	97.284
	Target Compounds						
21)	L5 AR-1248-1	4.775	4.760	121.5E6	87941740	964.038	957.720
22)	L5 AR-1248-2	5.014	4.997	162.7E6	122.9E6	974.982	972.514
23)	L5 AR-1248-3	5.229	5.039	203.4E6	130.6E6	951.625	962.382
24)	L5 AR-1248-4	5.582	5.210	300.1E6	152.9E6	949.801	955.495
25)	L5 AR-1248-5	5.624	5.601	214.6E6	153.8E6	946.132	959.961

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

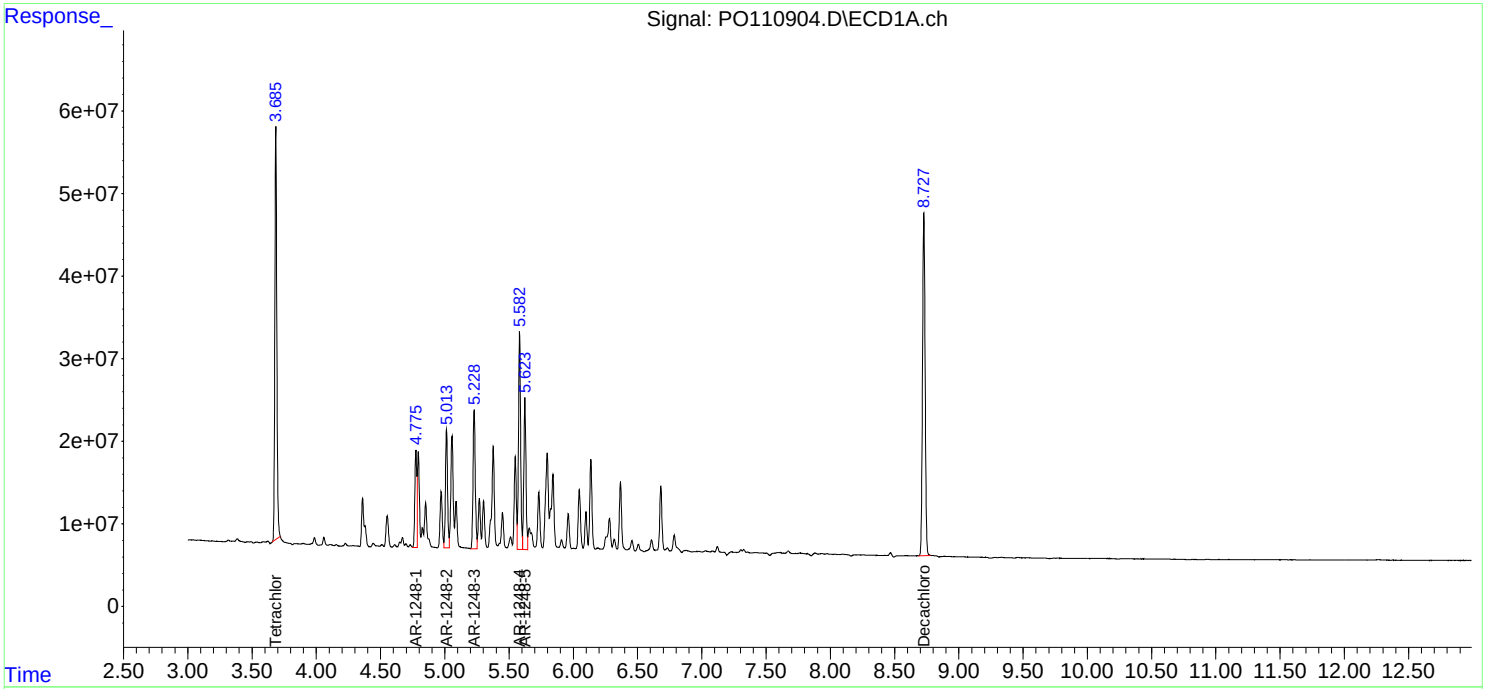
ICAL Form

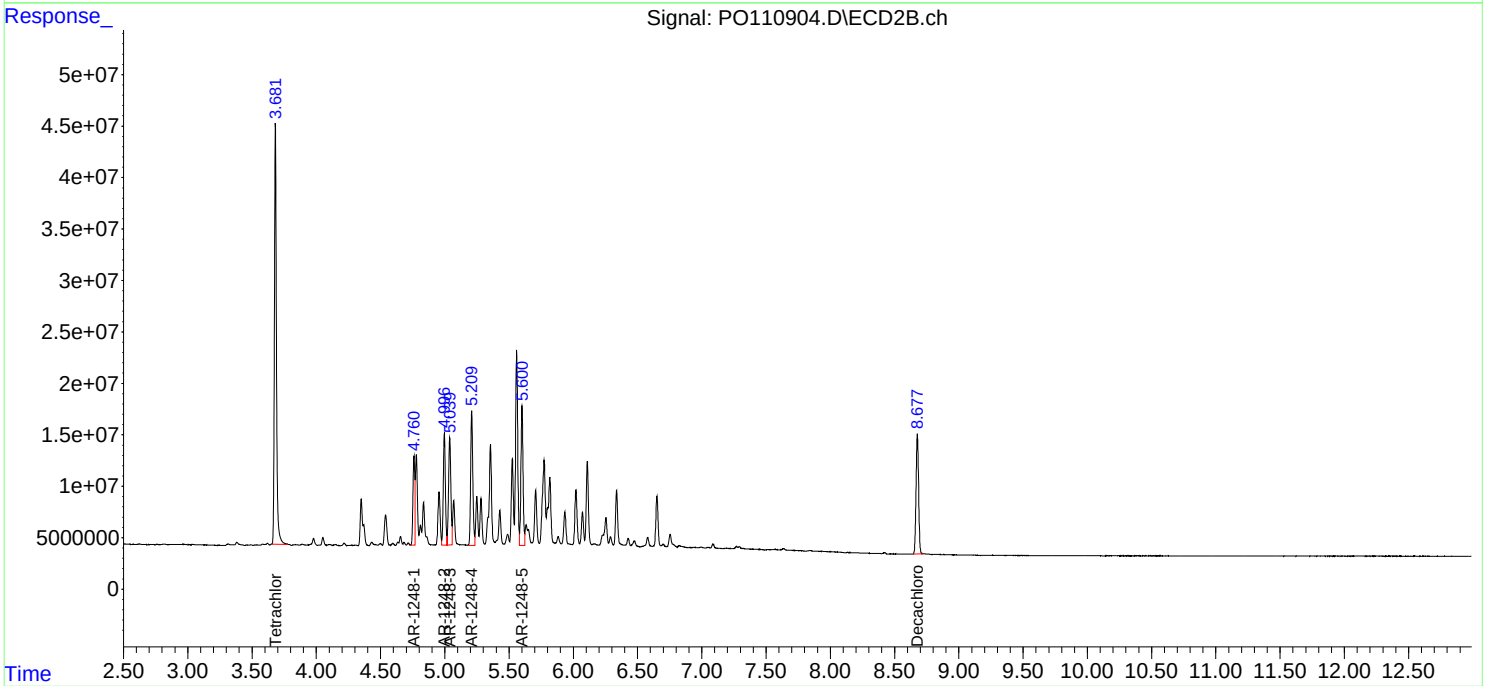
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 13:25
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

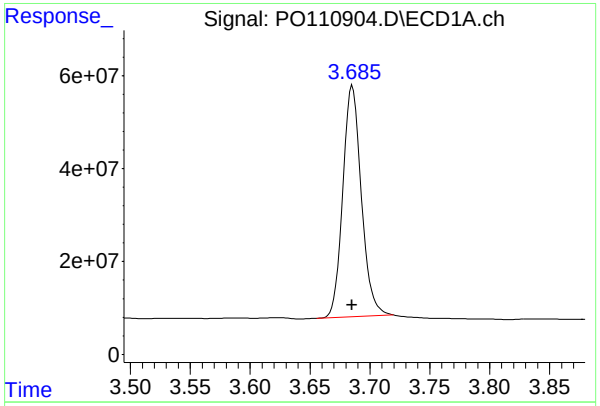
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

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

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



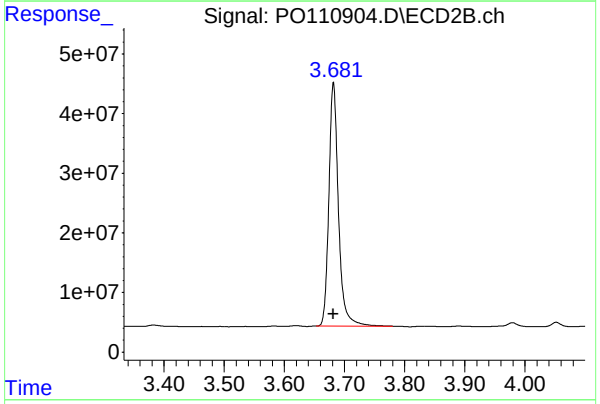




#1 Tetrachloro-m-xylene

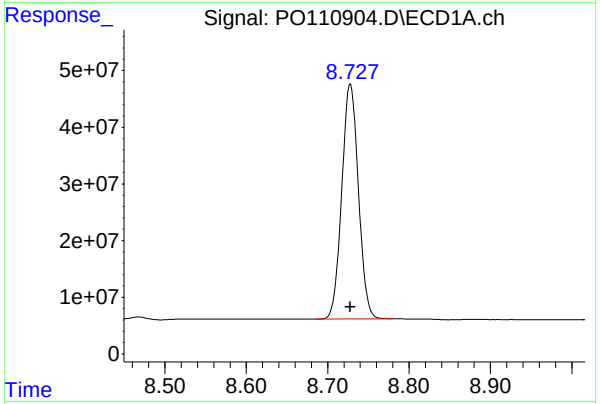
R.T.: 3.685 min
Delta R.T.: 0.000 mi
Response: 536049547
Conc: 97.26 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



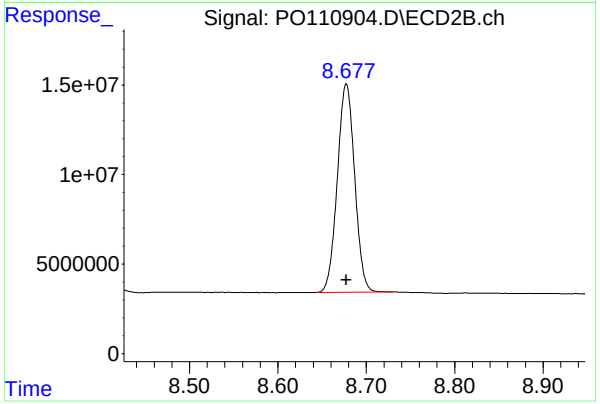
#1 Tetrachloro-m-xylene

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



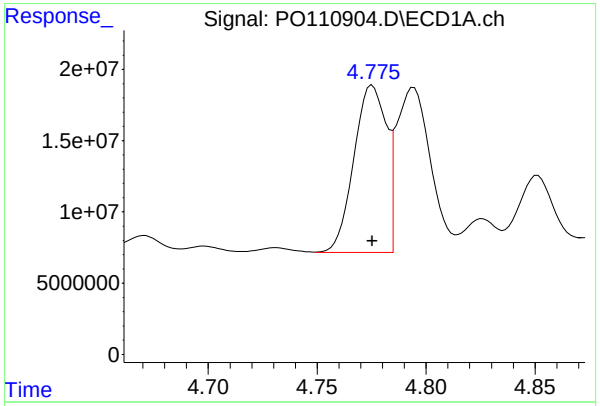
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

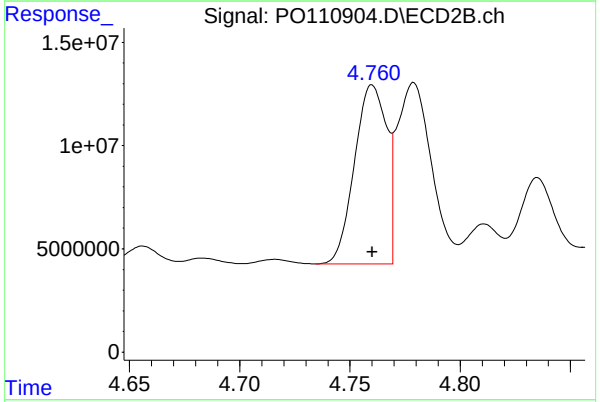
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 158881071
Conc: 97.28 ng/ml



#21 AR-1248-1

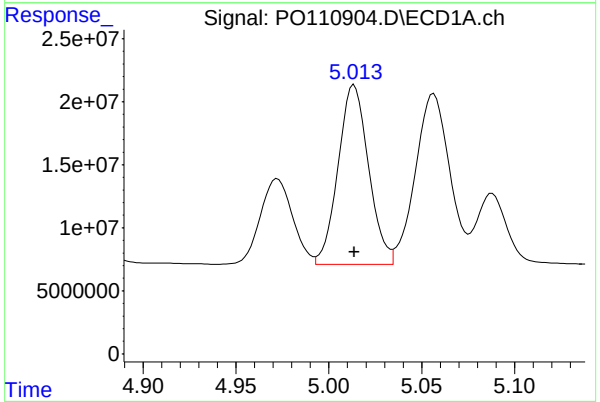
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 121536205
Conc: 964.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



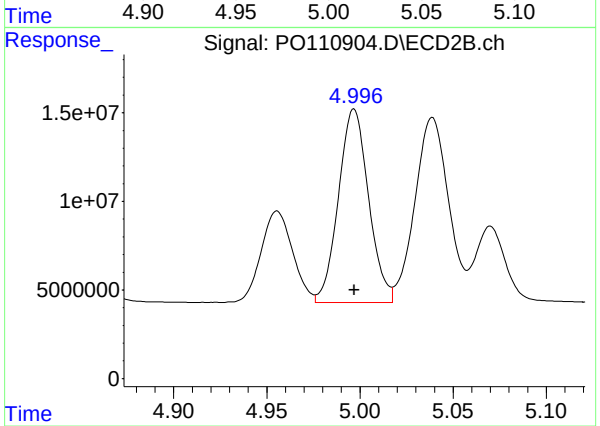
#21 AR-1248-1

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



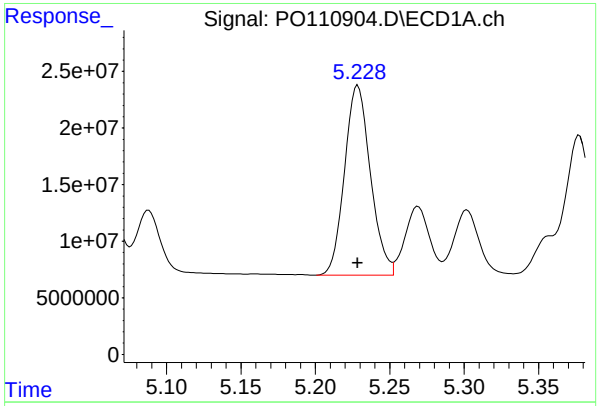
#22 AR-1248-2

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



#22 AR-1248-2

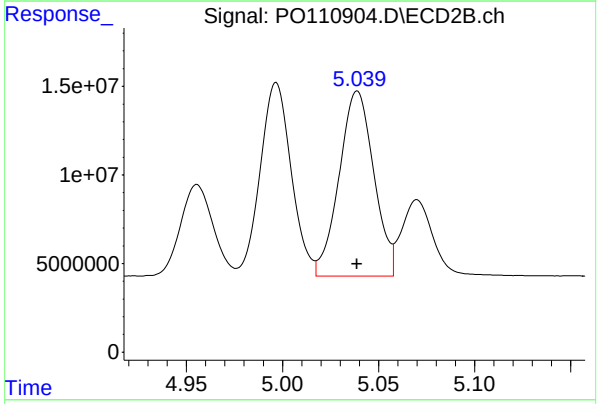
R.T.: 4.997 min
Delta R.T.: 0.000 min
Response: 122909953
Conc: 972.51 ng/ml



#23 AR-1248-3

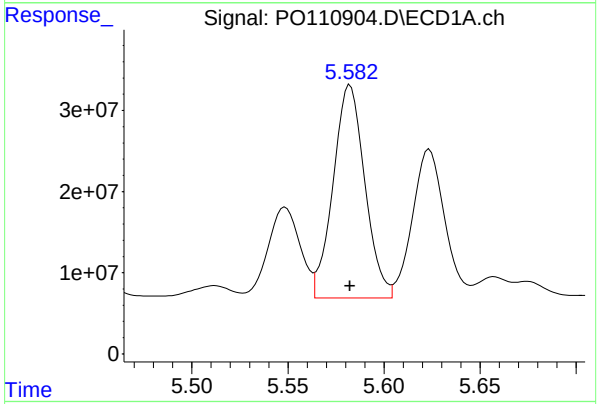
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 203361335
Conc: 951.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



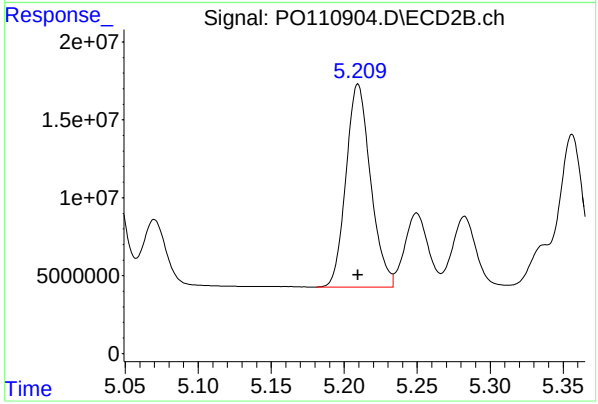
#23 AR-1248-3

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



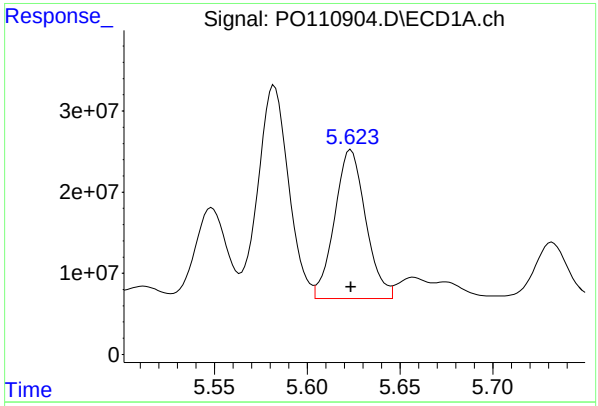
#24 AR-1248-4

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



#24 AR-1248-4

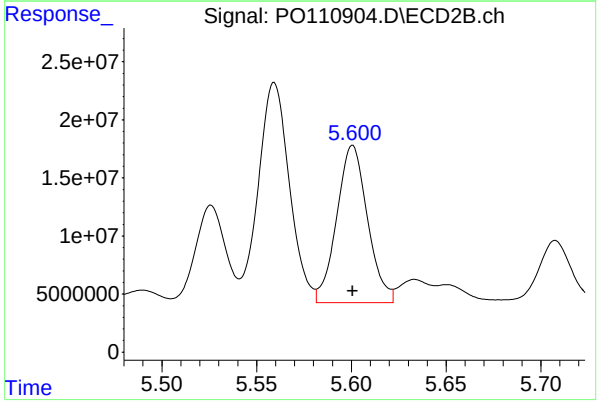
R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 152910119
Conc: 955.49 ng/ml



#25 AR-1248-5

R.T.: 5.624 min
Delta R.T.: 0.000 min
Response: 214600452
Conc: 946.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.601 min
Delta R.T.: 0.000 min
Response: 153836776
Conc: 959.96 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.681	415.0E6	348.6E6	75.194	75.407
2)	SA Decachlor...	8.727	8.678	451.2E6	122.1E6	75.117	74.848
	Target Compounds						
21)	L5 AR-1248-1	4.775	4.760	95778949	69721162	756.458	756.169
22)	L5 AR-1248-2	5.014	4.996	128.5E6	96107768	763.213	756.931
23)	L5 AR-1248-3	5.229	5.038	159.7E6	102.5E6	748.203	753.355
24)	L5 AR-1248-4	5.582	5.209	236.7E6	119.7E6	749.486	748.755
25)	L5 AR-1248-5	5.624	5.600	170.3E6	120.7E6	750.670	752.217

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

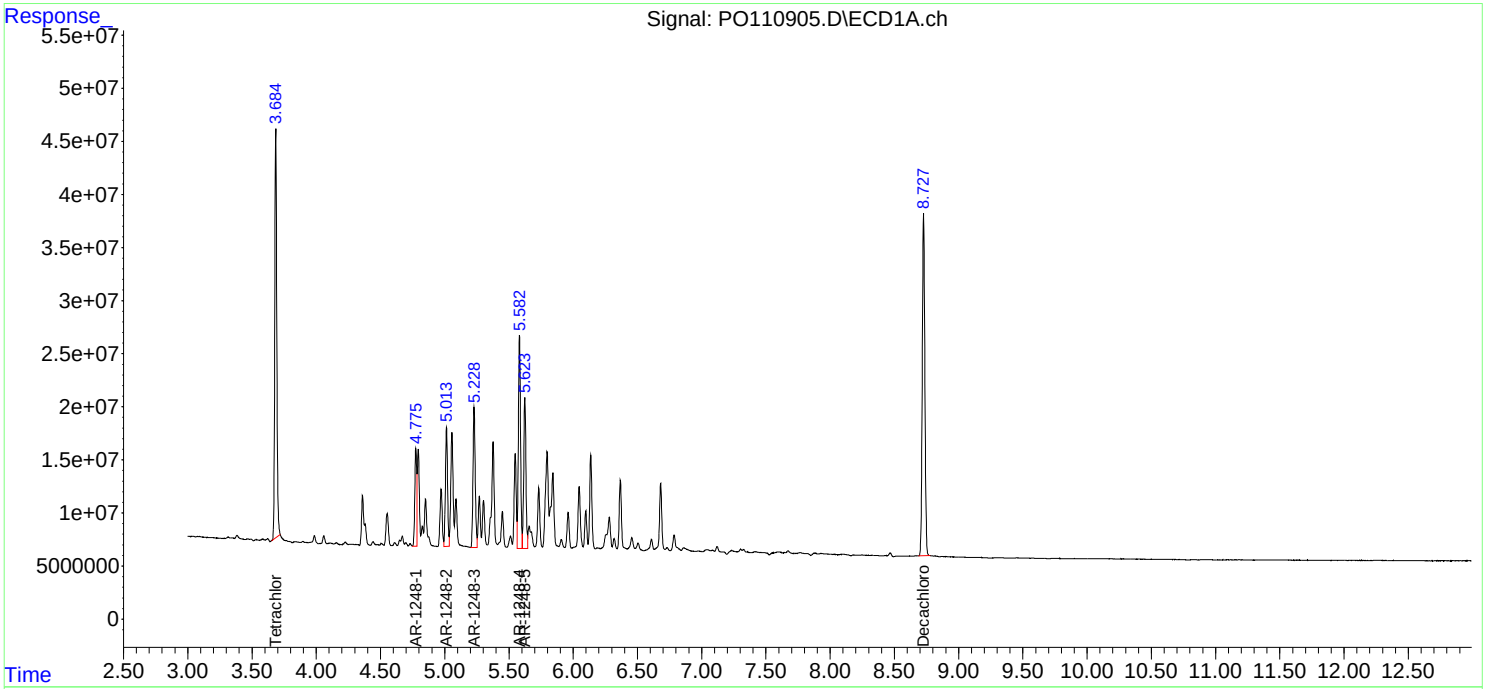
ICAL Form

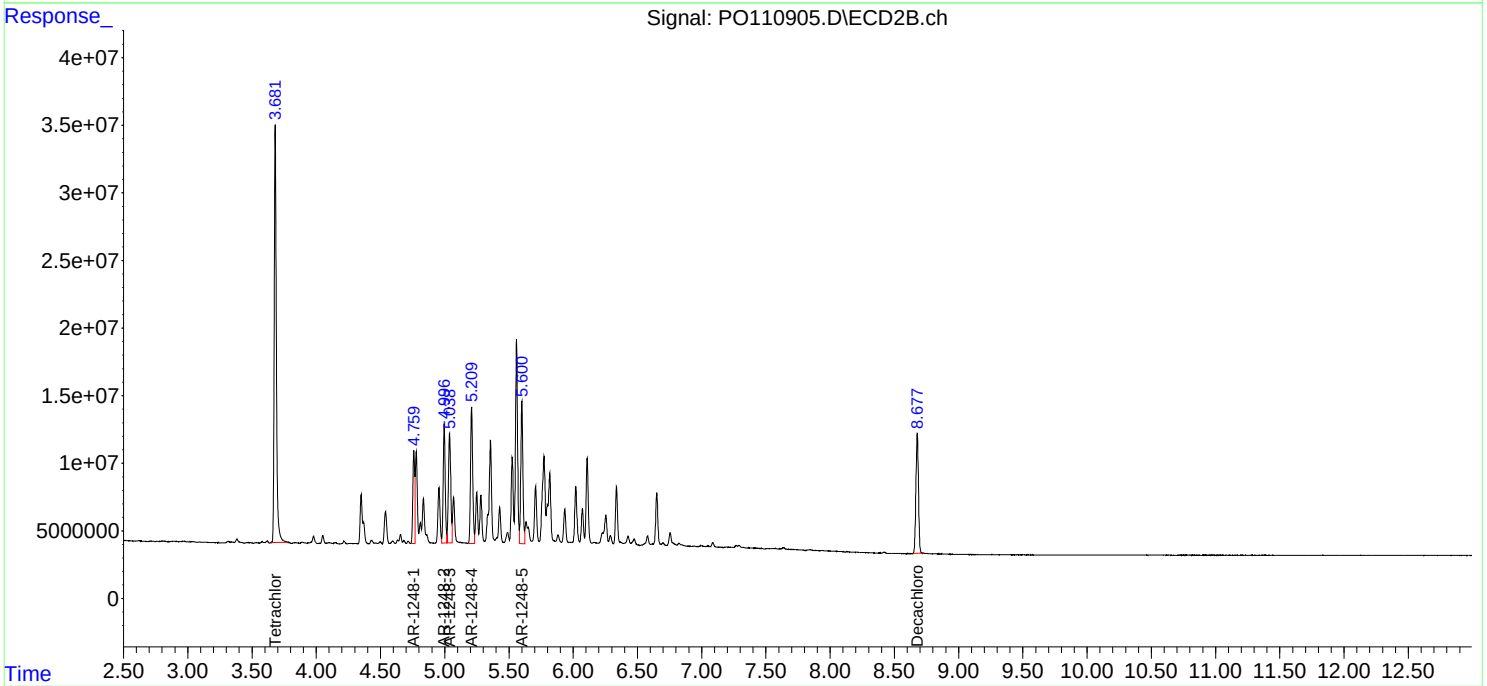
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 13:43
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

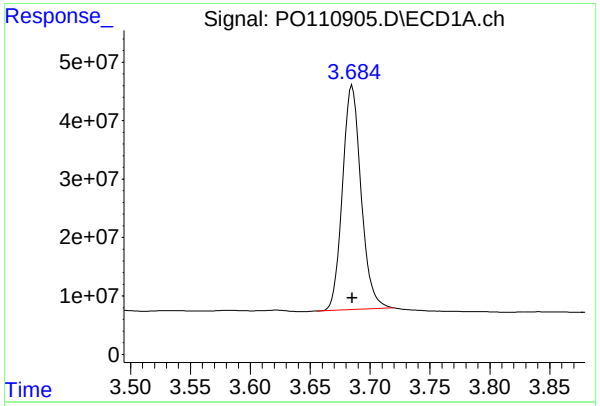
Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

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

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



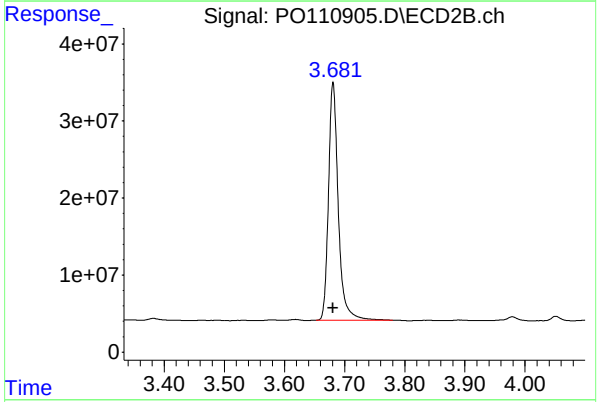




#1 Tetrachloro-m-xylene

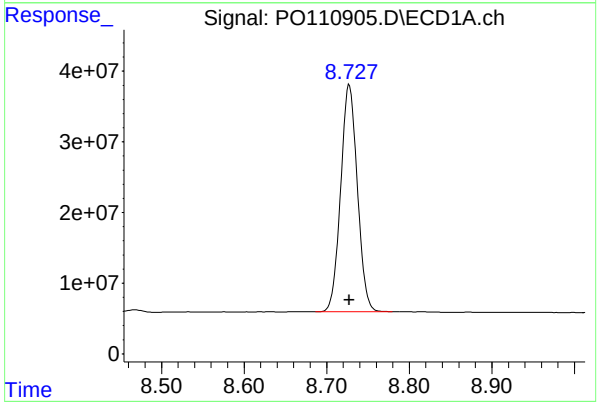
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 414979123
Conc: 75.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



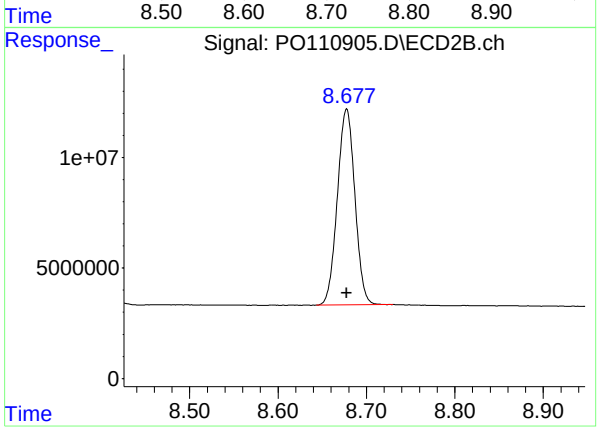
#1 Tetrachloro-m-xylene

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



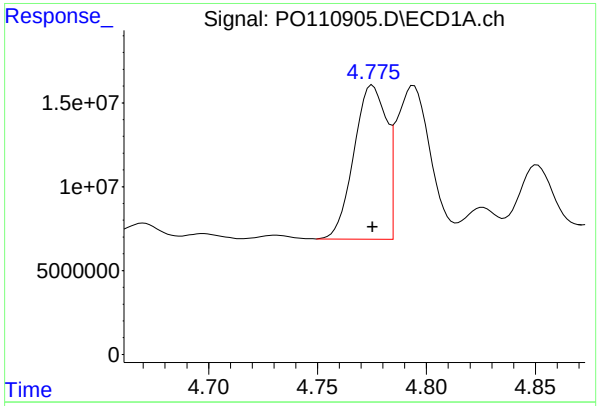
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

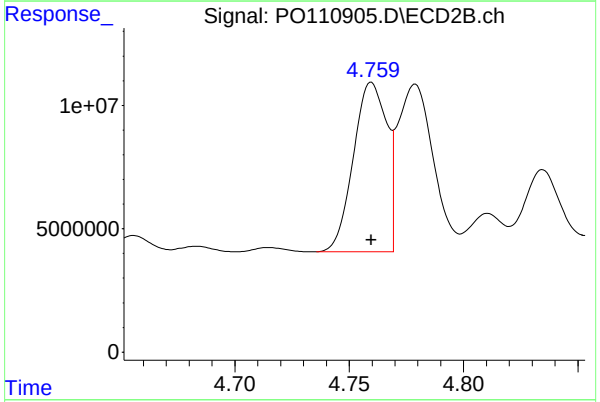
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 122114248
Conc: 74.85 ng/ml



#21 AR-1248-1

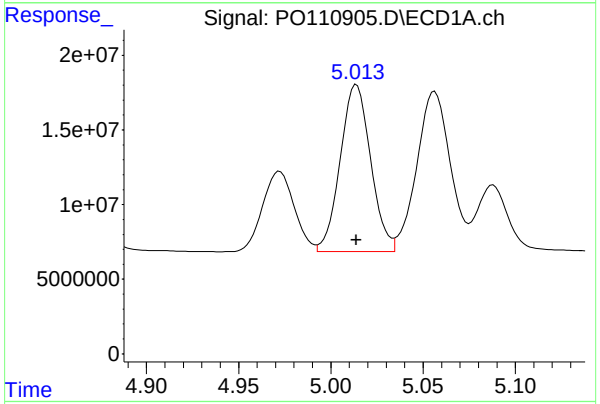
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 95778949
Conc: 756.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



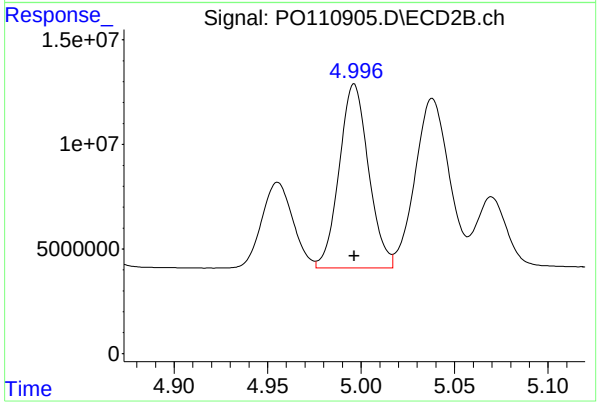
#21 AR-1248-1

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



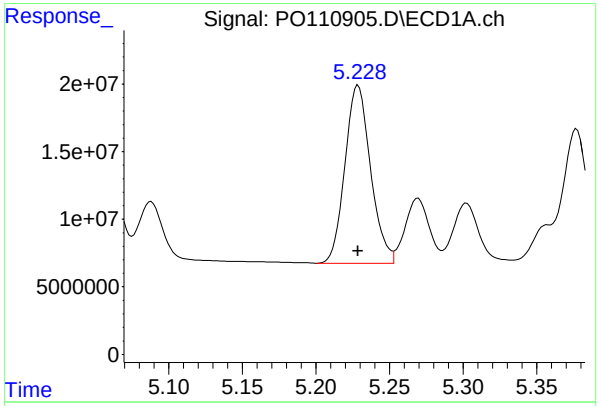
#22 AR-1248-2

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



#22 AR-1248-2

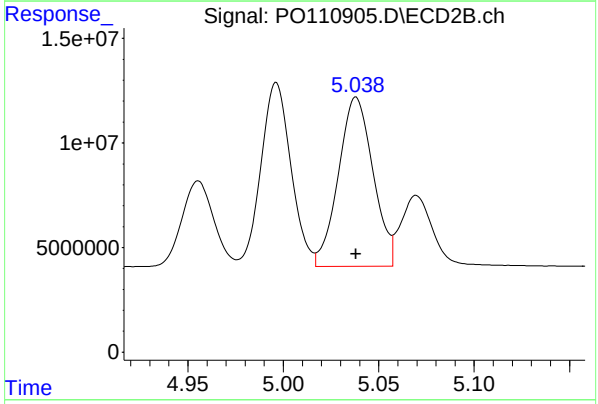
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 96107768
Conc: 756.93 ng/ml



#23 AR-1248-3

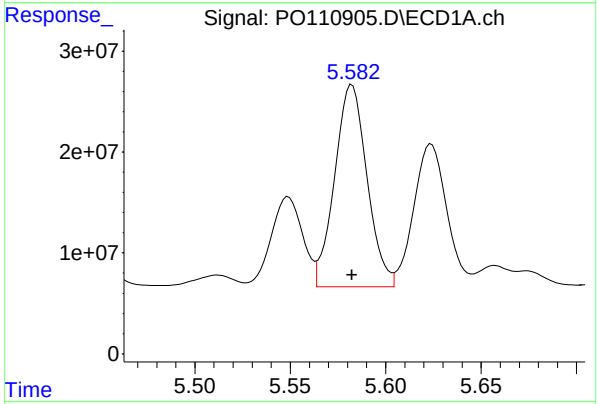
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 159699001
Conc: 748.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



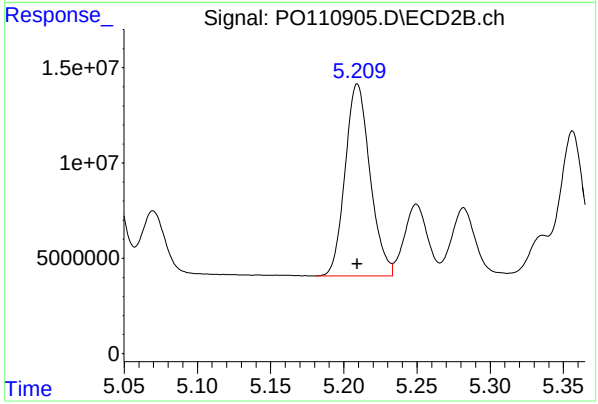
#23 AR-1248-3

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



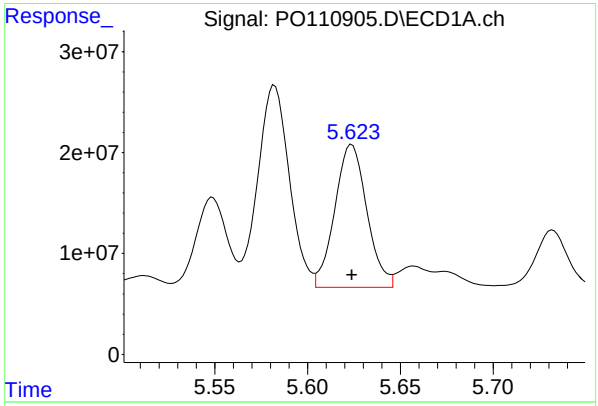
#24 AR-1248-4

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



#24 AR-1248-4

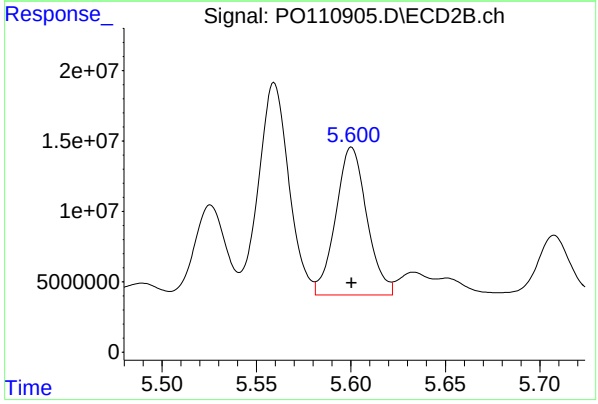
R.T.: 5.209 min
Delta R.T.: 0.000 min
Response: 119725689
Conc: 748.76 ng/ml



#25 AR-1248-5

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.681	283.1E6	234.9E6	50.000	50.000
2)	SA Decachlor...	8.726	8.677	305.7E6	83875453	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	4.773	4.759	65301805	47853144	500.000	500.000
22)	L5 AR-1248-2	5.012	4.996	85541453	64928755	500.000	500.000
23)	L5 AR-1248-3	5.226	5.038	112.0E6	70421688	500.000	500.000
24)	L5 AR-1248-4	5.580	5.208	165.9E6	83577334	500.000	500.000
25)	L5 AR-1248-5	5.622	5.600	119.5E6	83334832	500.000	500.000

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

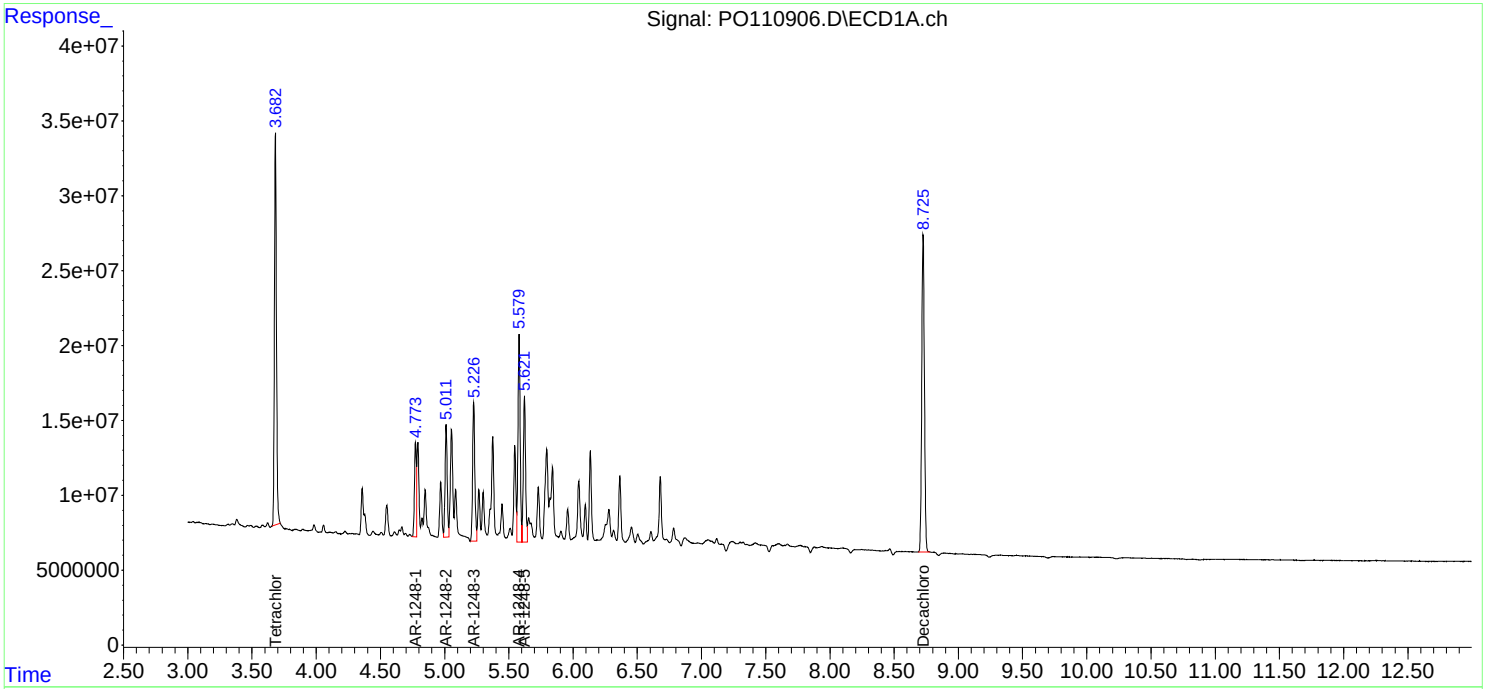
ICAL Form

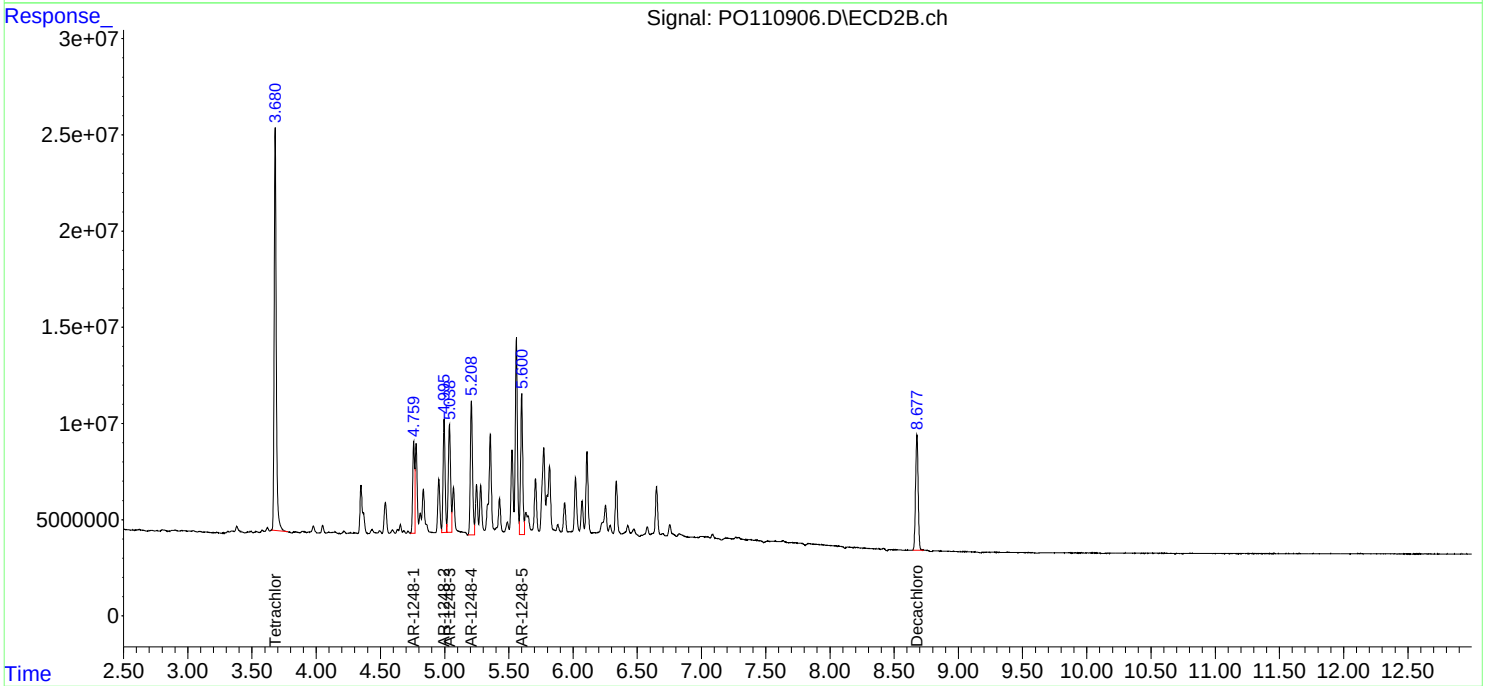
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 14:00
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

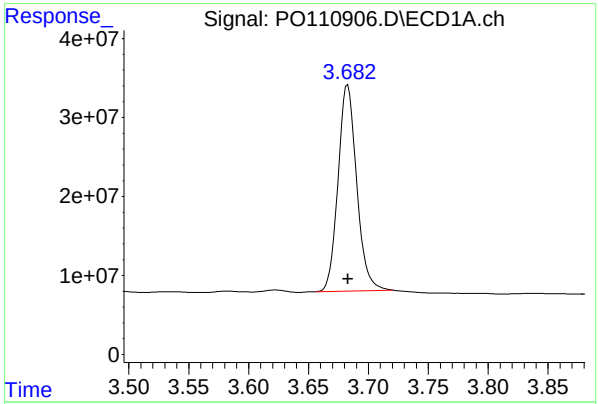
Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

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

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



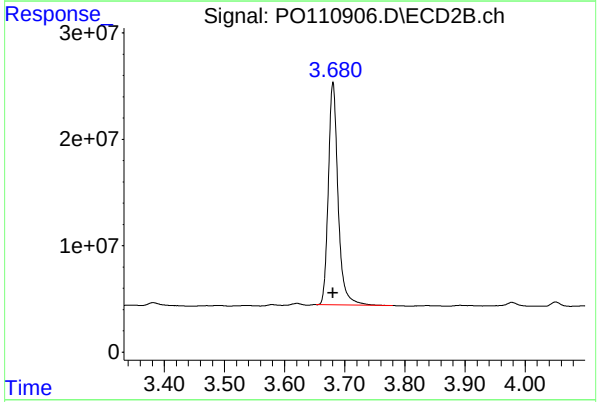




#1 Tetrachloro-m-xylene

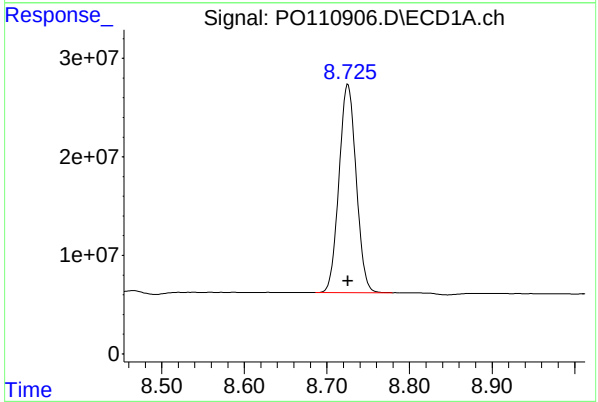
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 283141120
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



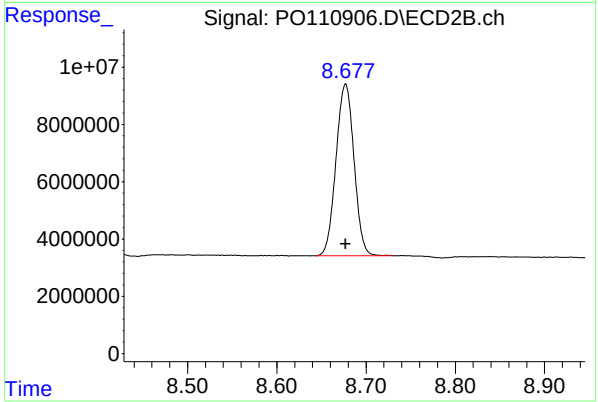
#1 Tetrachloro-m-xylene

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



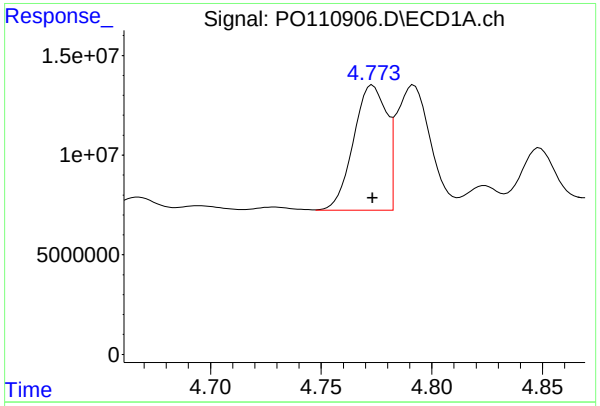
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

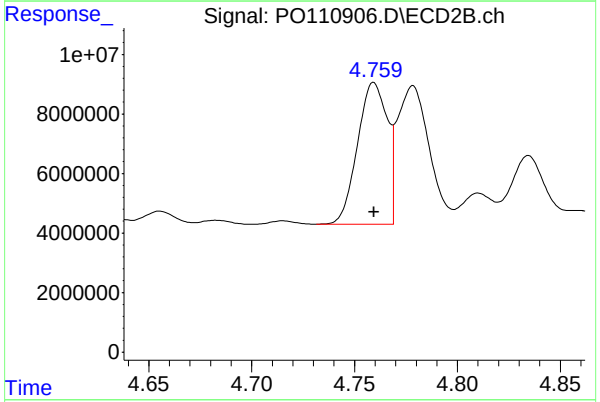
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 83875453
Conc: 50.00 ng/ml



#21 AR-1248-1

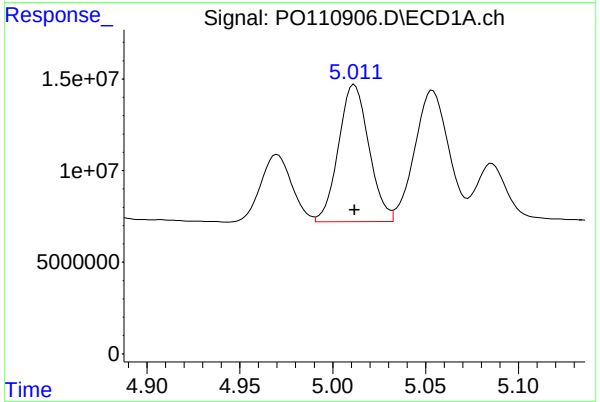
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 65301805
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



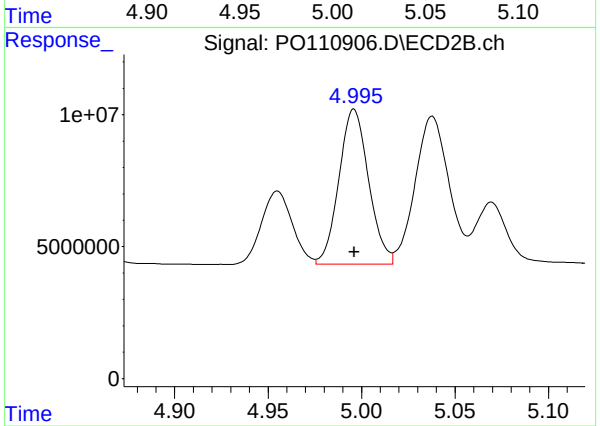
#21 AR-1248-1

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



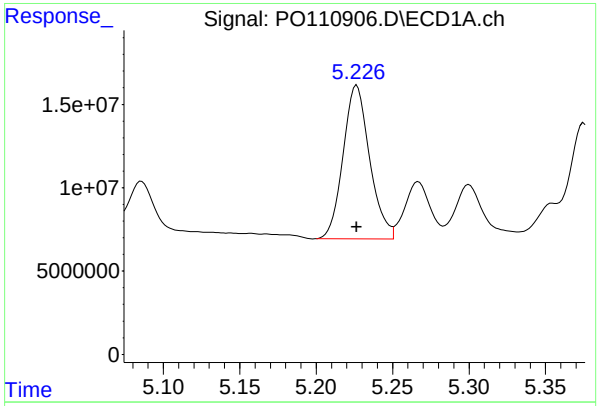
#22 AR-1248-2

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



#22 AR-1248-2

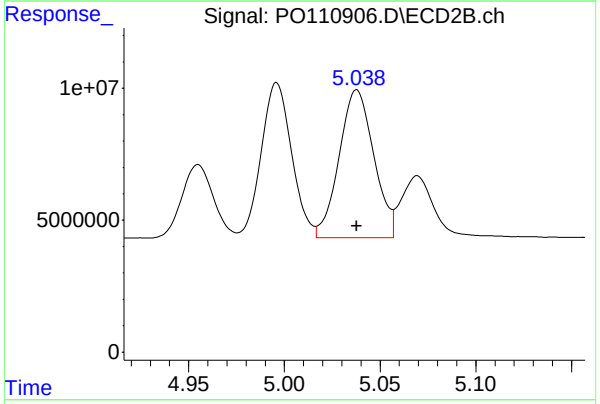
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 64928755
Conc: 500.00 ng/ml



#23 AR-1248-3

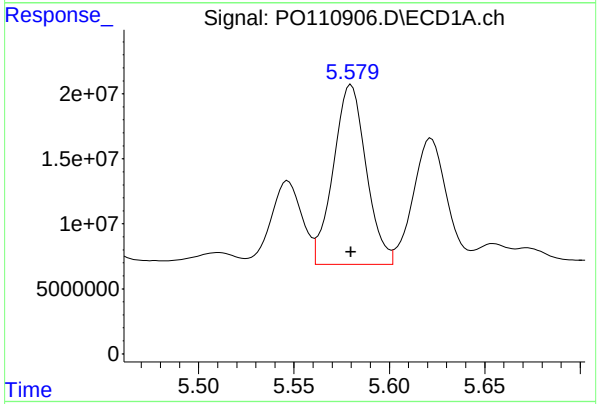
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 112018258
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



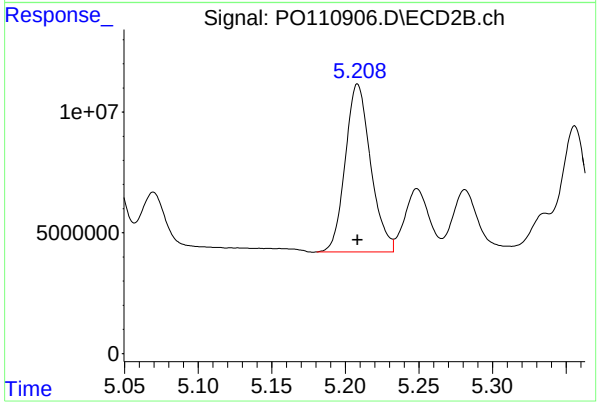
#23 AR-1248-3

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



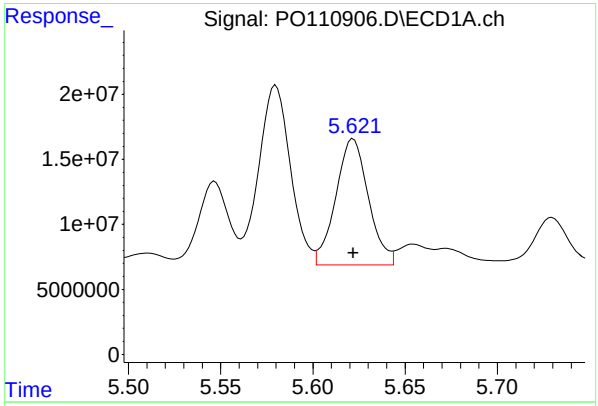
#24 AR-1248-4

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



#24 AR-1248-4

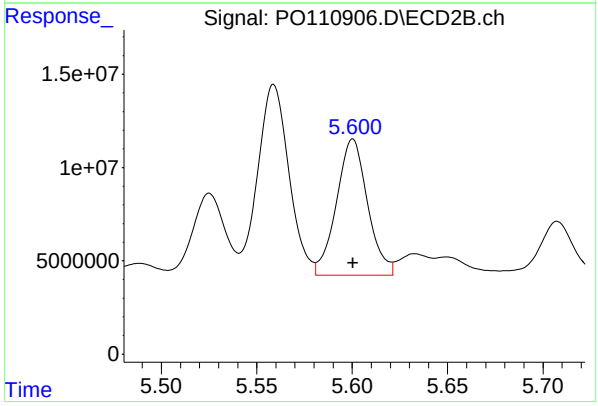
R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 83577334
Conc: 500.00 ng/ml



#25 AR-1248-5

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.681	149.8E6	123.0E6	26.574	26.190
2)	SA Decachlor...	8.725	8.677	163.1E6	45617232	26.577	27.156
	Target Compounds						
21)	L5 AR-1248-1	4.773	4.760	36155823	26472624	275.752	276.838
22)	L5 AR-1248-2	5.011	4.996	48451320	36845602	277.270	278.978
23)	L5 AR-1248-3	5.226	5.038	59405612	38955405	270.655	276.306
24)	L5 AR-1248-4	5.580	5.209	86716804	44889115	267.988	272.362
25)	L5 AR-1248-5	5.621	5.600	61750319	44248267	266.234	268.797

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

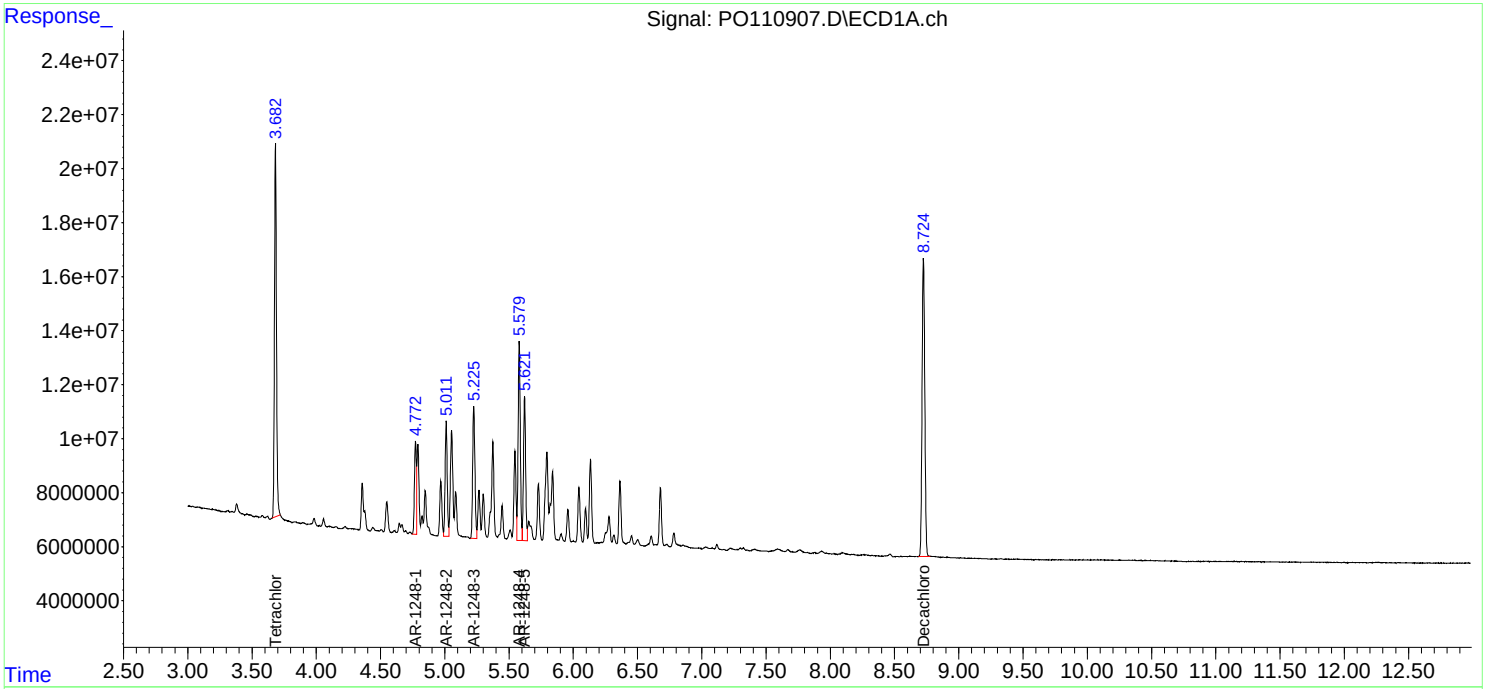
ICAL Form

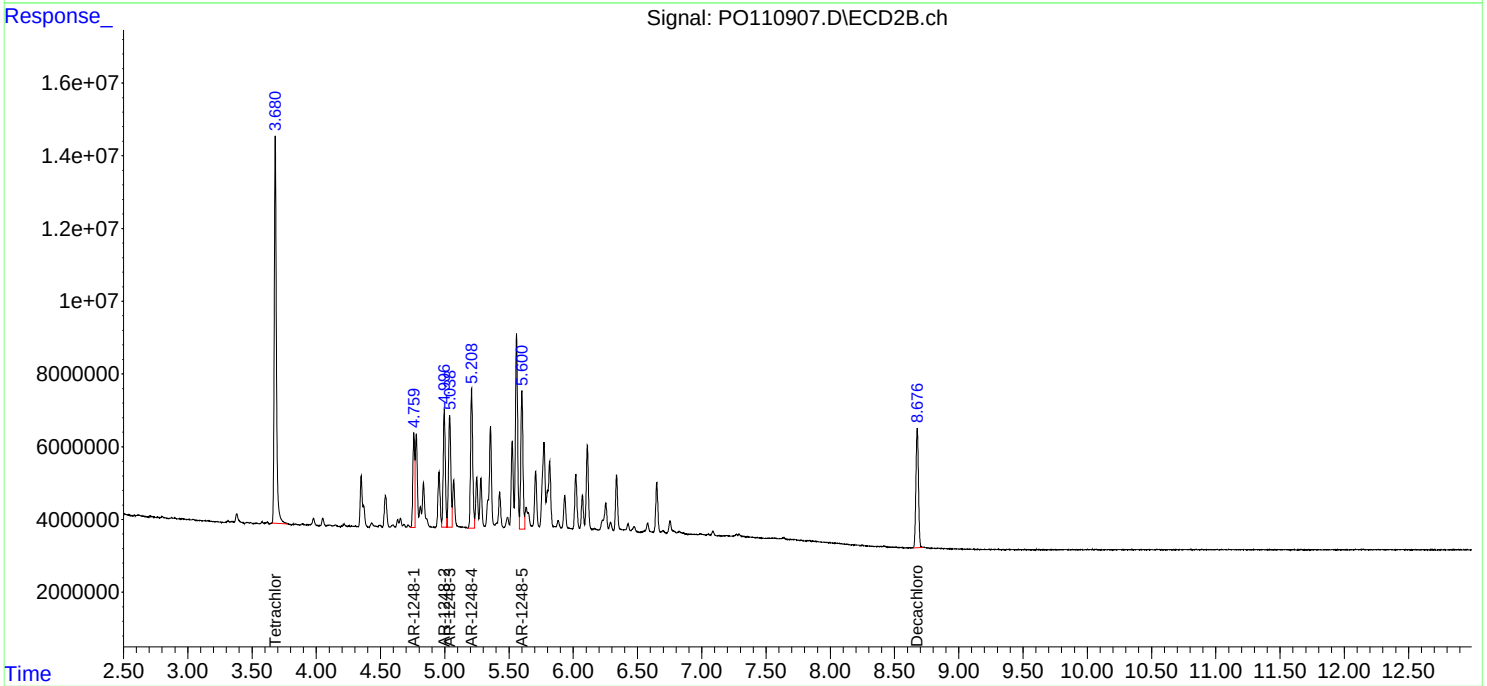
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 14:35
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

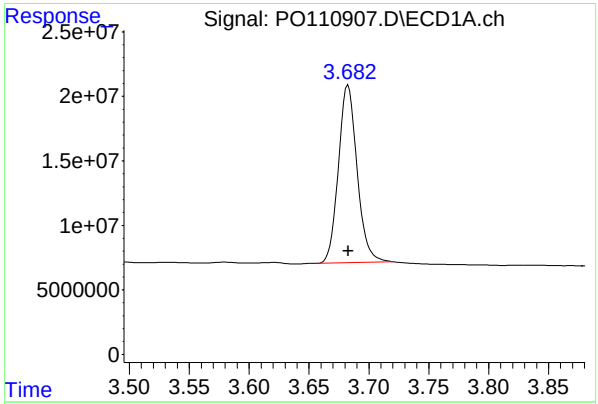
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

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

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



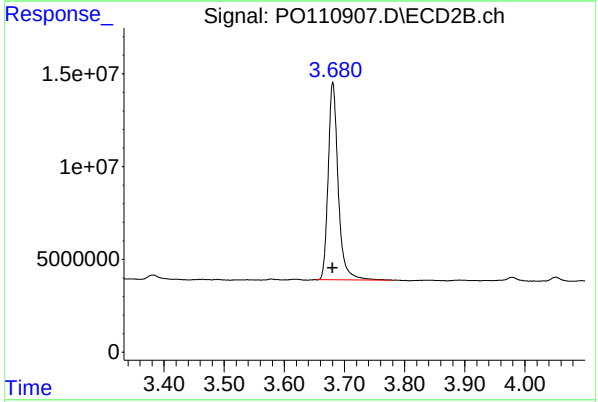




#1 Tetrachloro-m-xylene

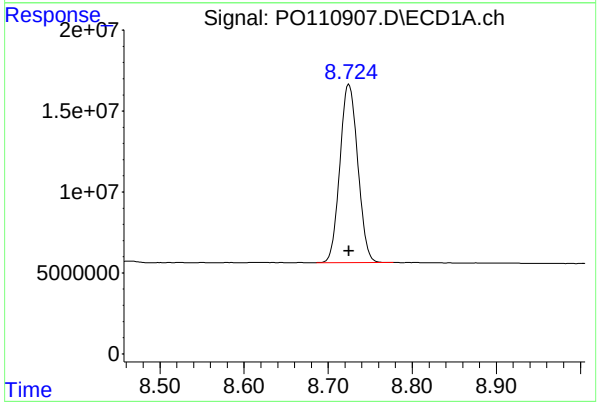
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 149802057
Conc: 26.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



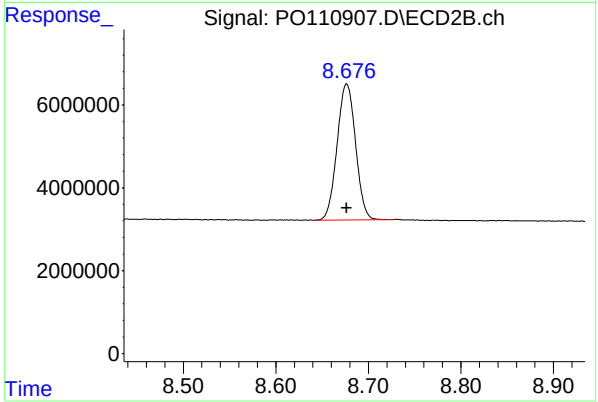
#1 Tetrachloro-m-xylene

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



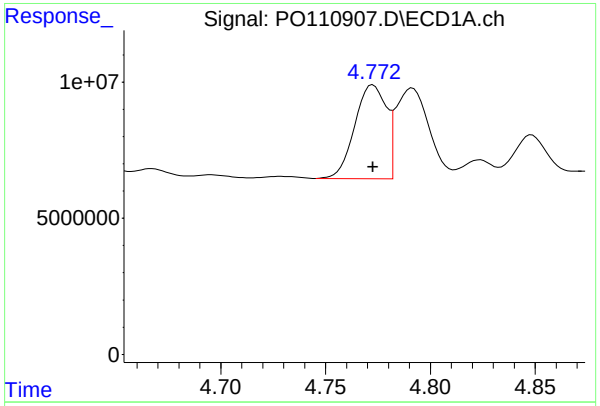
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

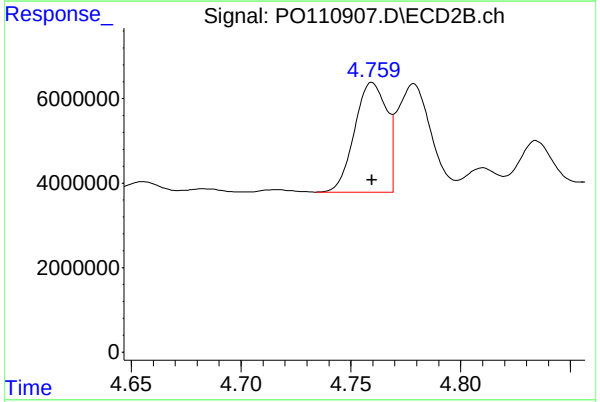
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 45617232
Conc: 27.16 ng/ml



#21 AR-1248-1

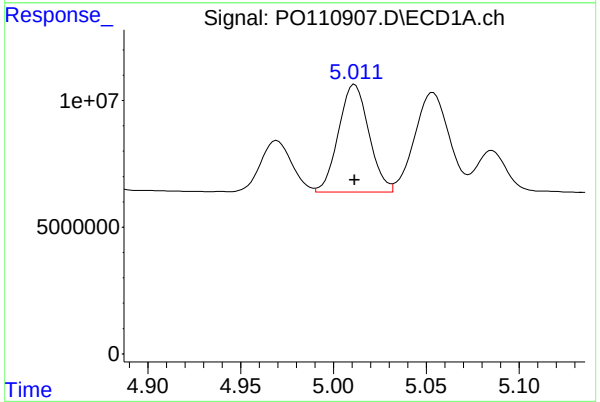
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 36155823
Conc: 275.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



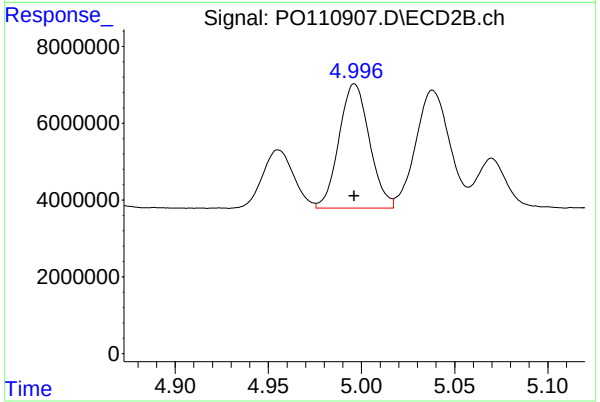
#21 AR-1248-1

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



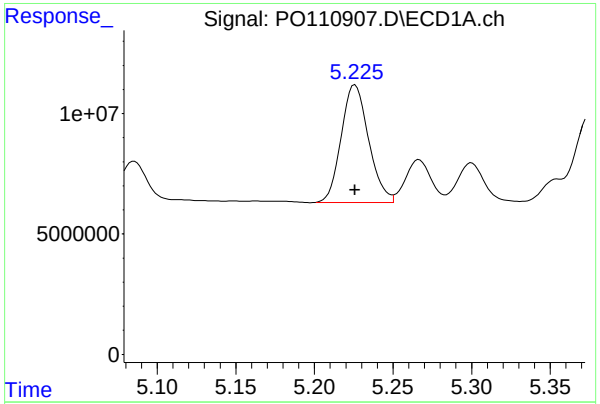
#22 AR-1248-2

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



#22 AR-1248-2

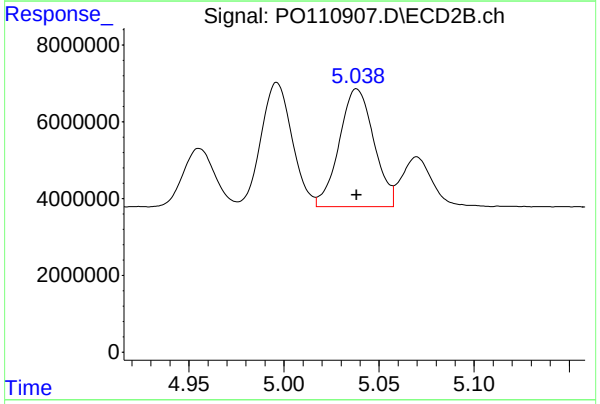
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 36845602
Conc: 278.98 ng/ml



#23 AR-1248-3

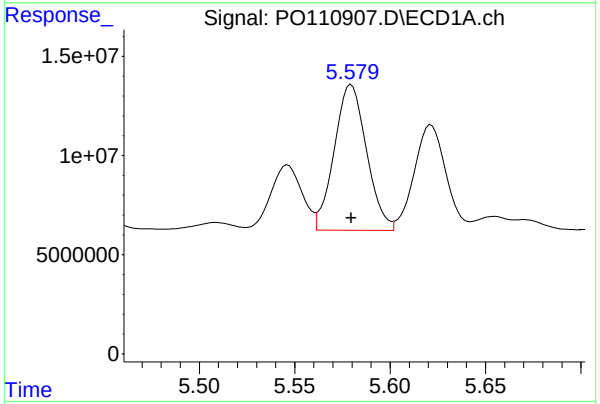
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 59405612
Conc: 270.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



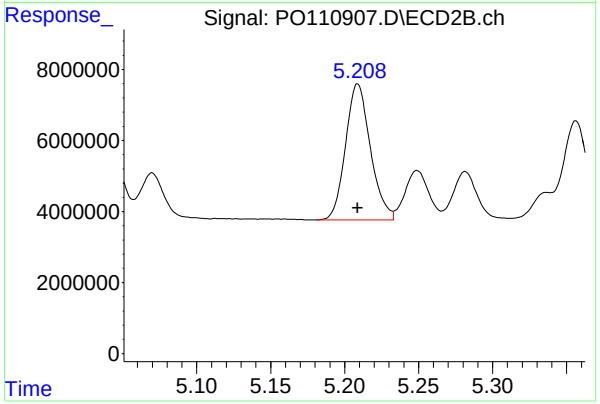
#23 AR-1248-3

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



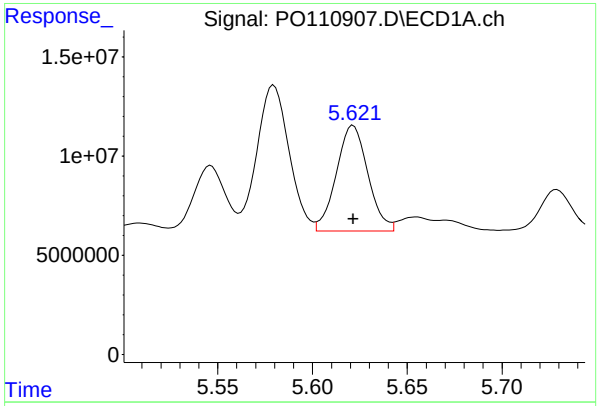
#24 AR-1248-4

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



#24 AR-1248-4

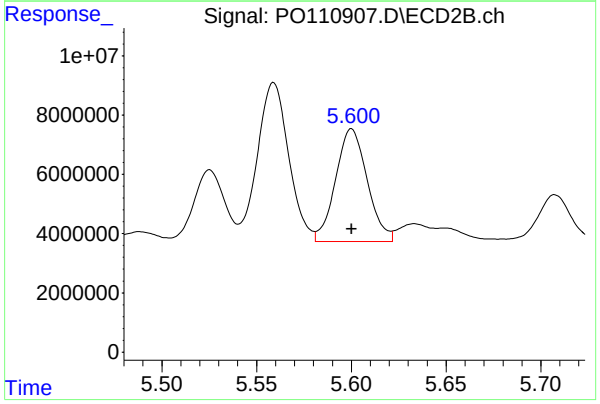
R.T.: 5.209 min
Delta R.T.: 0.000 min
Response: 44889115
Conc: 272.36 ng/ml



#25 AR-1248-5

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	26667566	21489095	4.782	4.654
2)	SA Decachlor...	8.728	8.676	31090082	8940790	5.053	5.255
	Target Compounds						
21)	L5 AR-1248-1	4.774	4.760	6617159	4968736	50.373	51.556
22)	L5 AR-1248-2	5.014	4.996	8859297	7365781	50.557	54.512
23)	L5 AR-1248-3	5.228	5.039	11219295	8088423	50.889	55.727
24)	L5 AR-1248-4	5.582	5.208	17211692	8916273	52.520	53.226
25)	L5 AR-1248-5	5.623	5.600	11973858	9046451	51.291	53.887

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

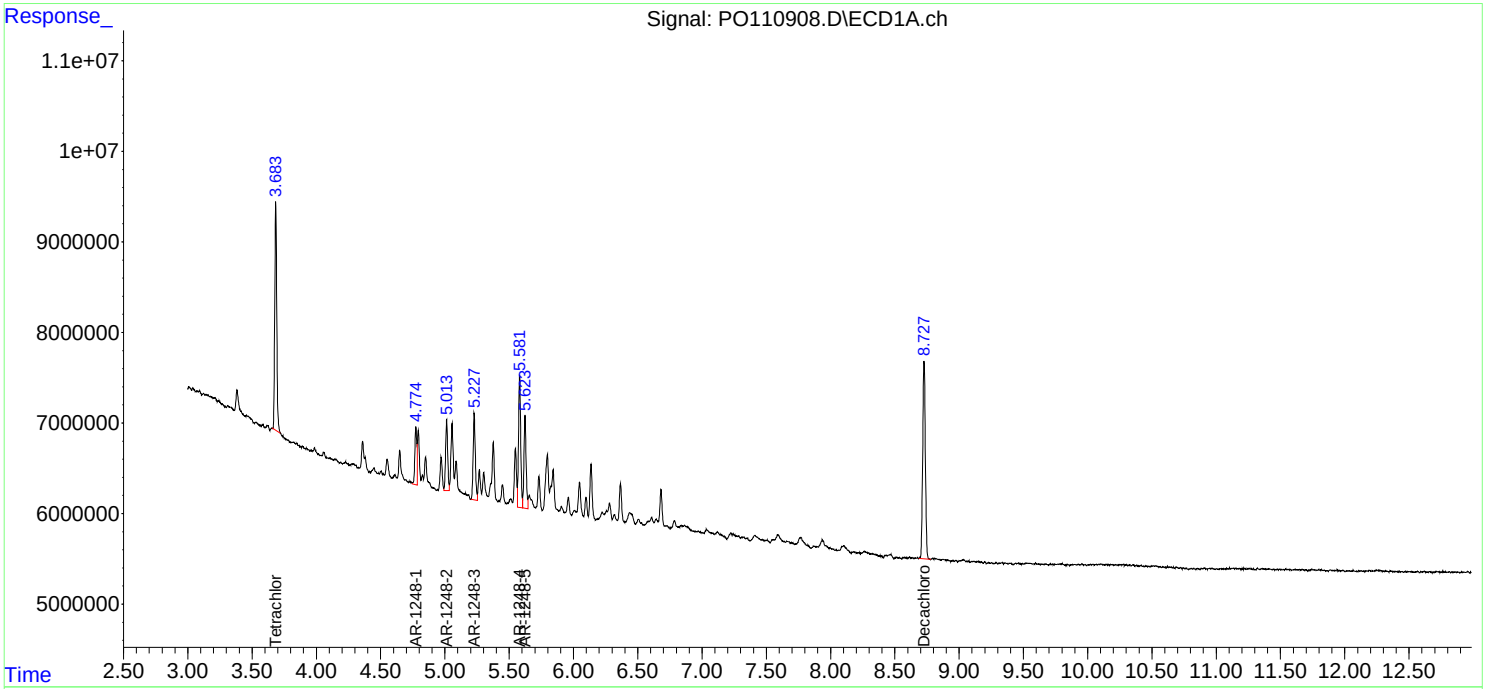
ICAL Form

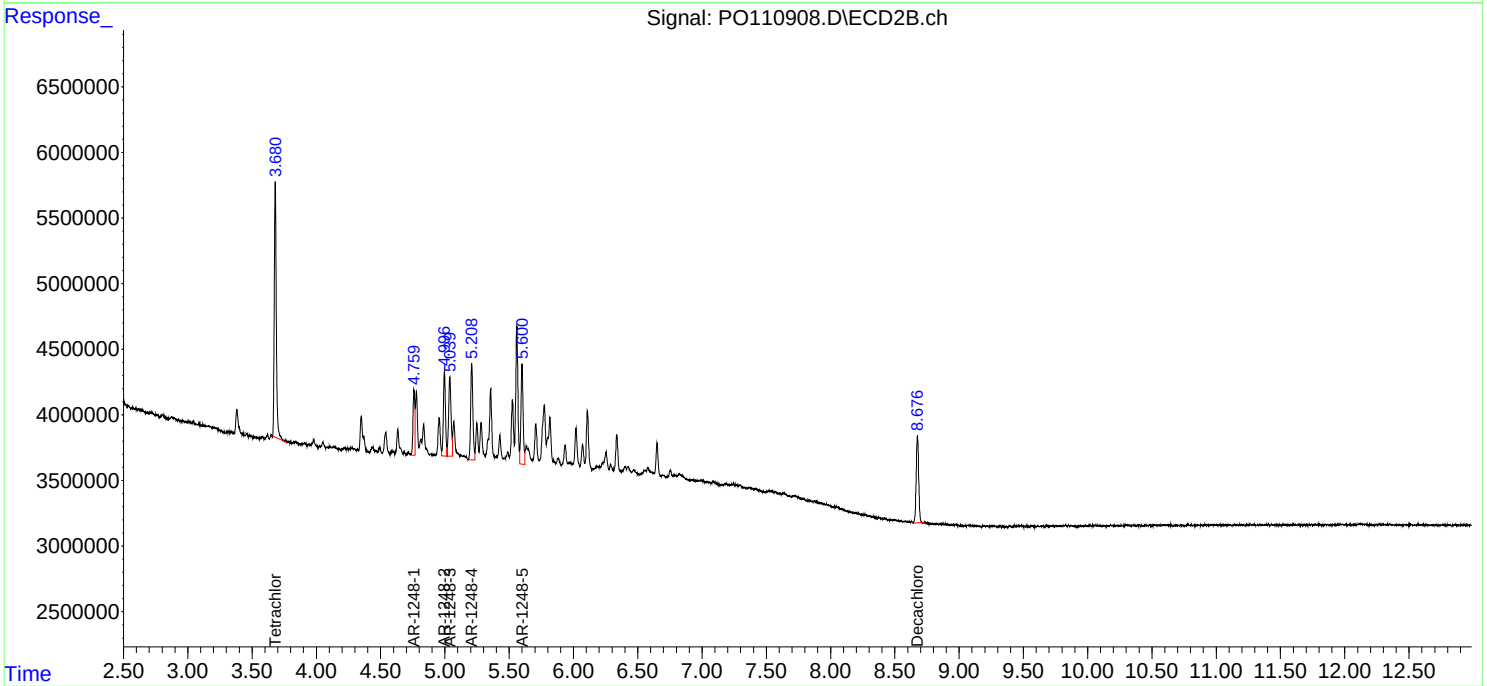
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 14:53
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

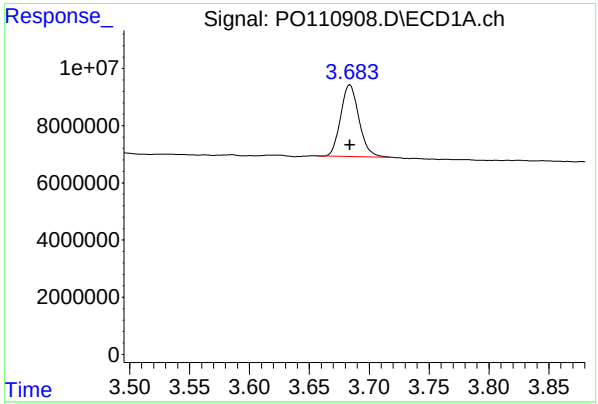
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

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

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



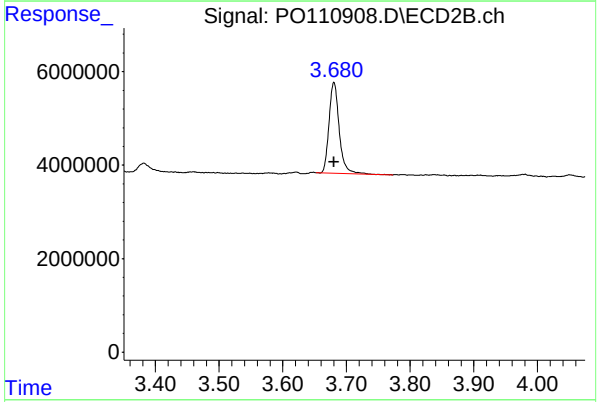




#1 Tetrachloro-m-xylene

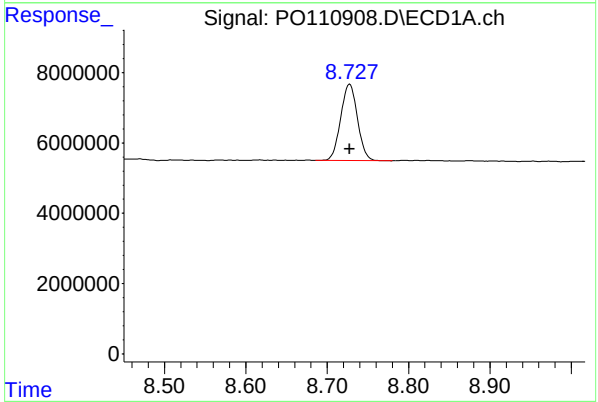
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 26667566
Conc: 4.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



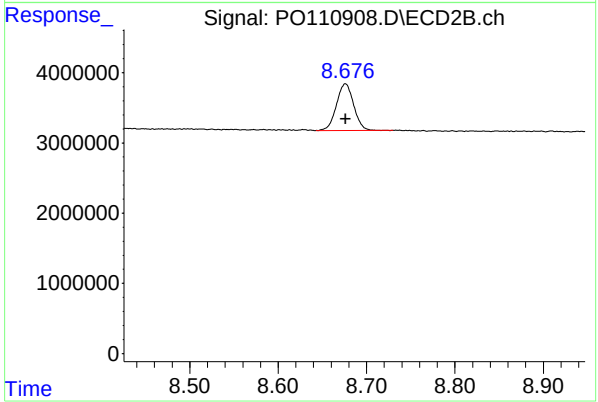
#1 Tetrachloro-m-xylene

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



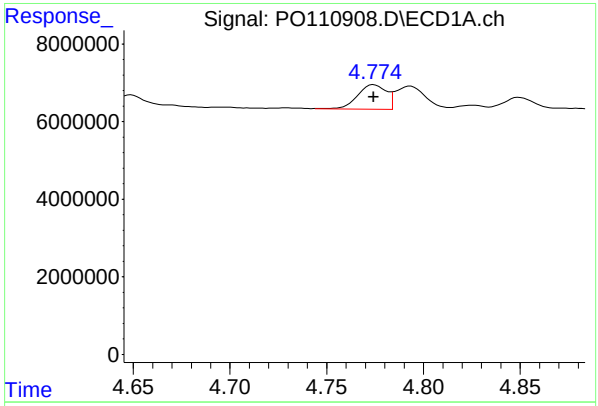
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

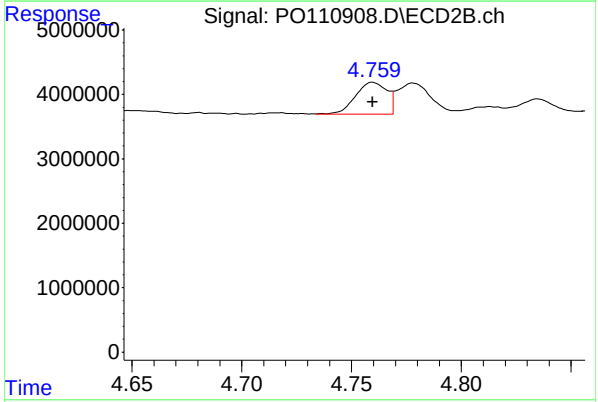
R.T.: 8.676 min
Delta R.T.: 0.000 min
Response: 8940790
Conc: 5.25 ng/ml



#21 AR-1248-1

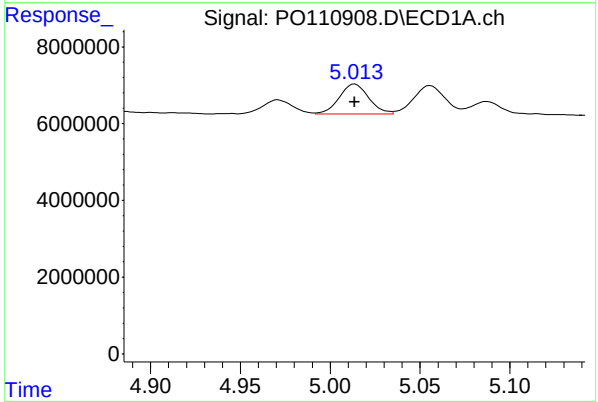
R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 6617159
Conc: 50.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



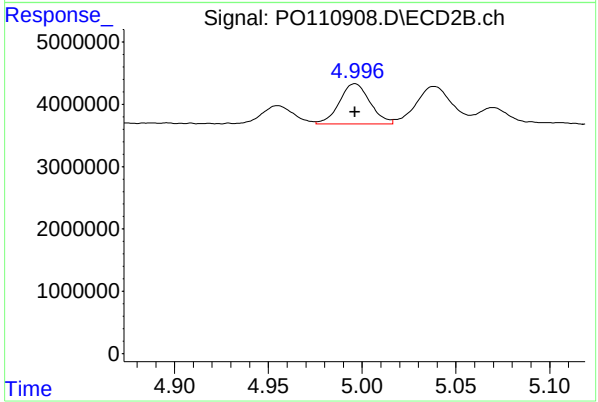
#21 AR-1248-1

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



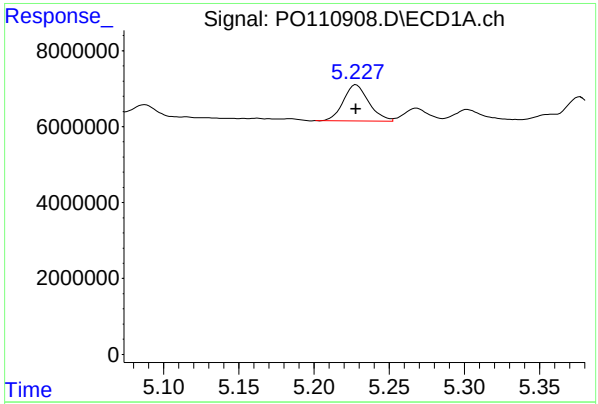
#22 AR-1248-2

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



#22 AR-1248-2

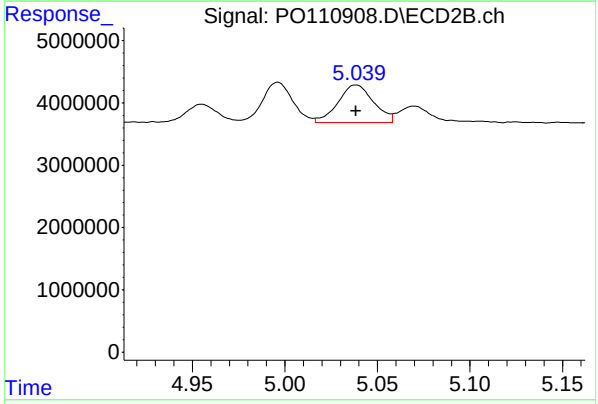
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 7365781
Conc: 54.51 ng/ml



#23 AR-1248-3

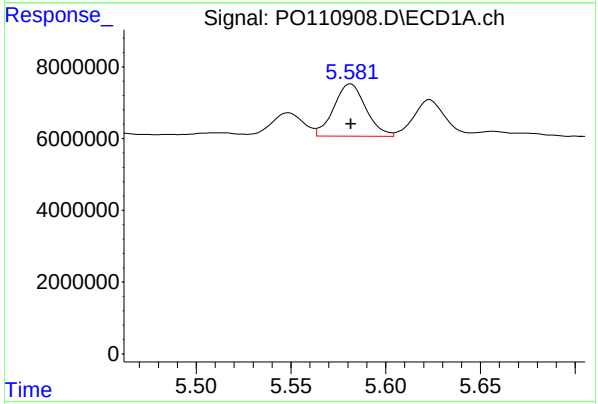
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 11219295
Conc: 50.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



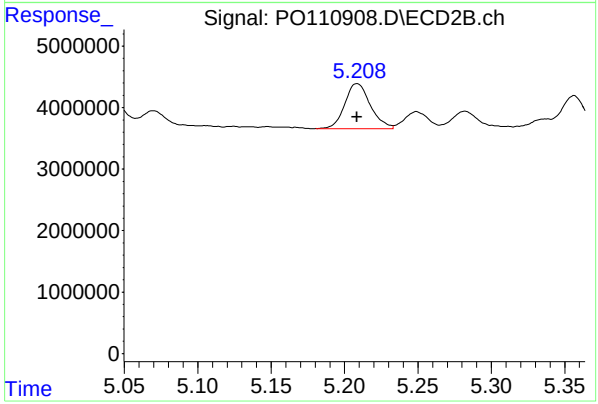
#23 AR-1248-3

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



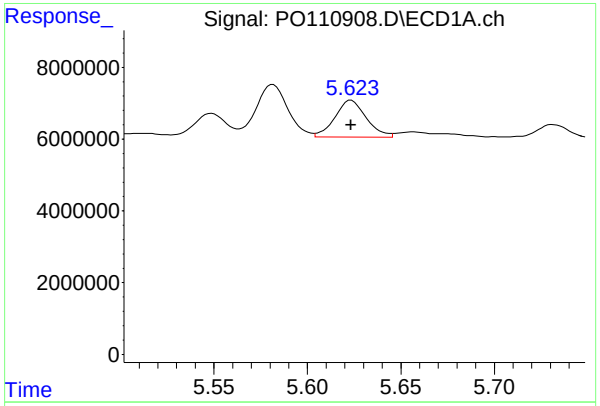
#24 AR-1248-4

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



#24 AR-1248-4

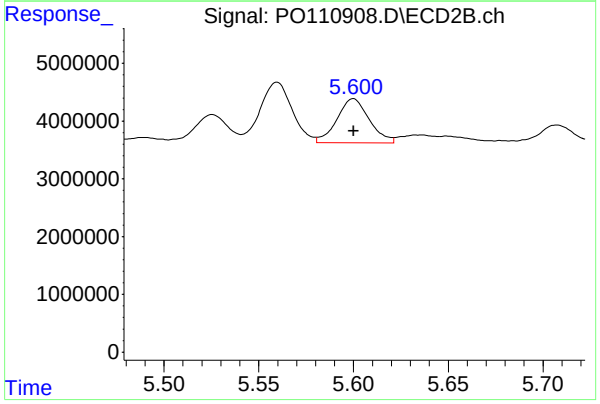
R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 8916273
Conc: 53.23 ng/ml



#25 AR-1248-5

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.680	574.2E6	489.3E6	100.810	100.668
2)	SA Decachlor...	8.728	8.677	582.5E6	159.6E6	97.155	94.824
	Target Compounds						
26)	L6 AR-1254-1	5.583	5.560	319.3E6	235.8E6	967.427	968.094
27)	L6 AR-1254-2	5.732	5.708	276.2E6	204.2E6	993.200	980.293
28)	L6 AR-1254-3	6.137	6.110	446.2E6	322.0E6	994.961	985.838
29)	L6 AR-1254-4	6.367	6.338	292.9E6	186.0E6	977.439	979.033
30)	L6 AR-1254-5	6.786	6.755	404.2E6	258.4E6	970.890	979.646

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

Quantitation Report (QT Reviewed)

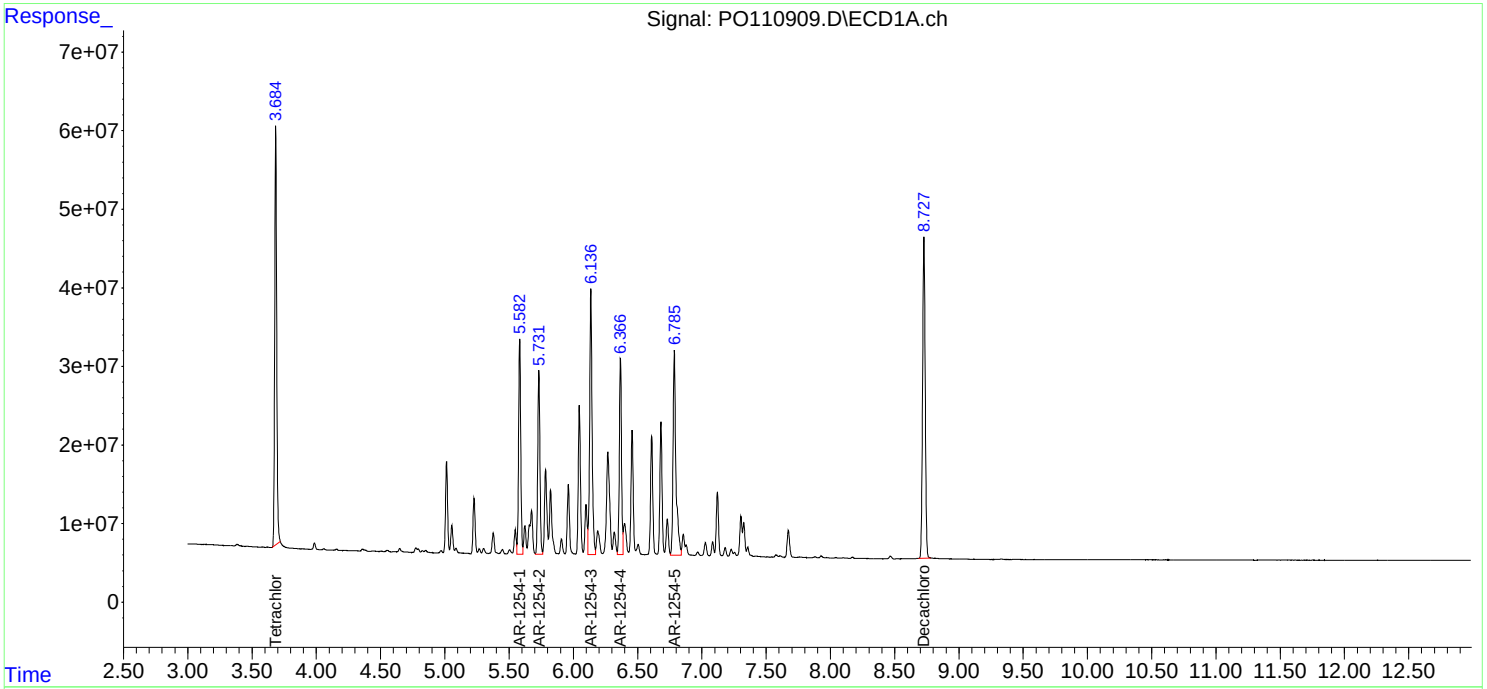
ICAL Form

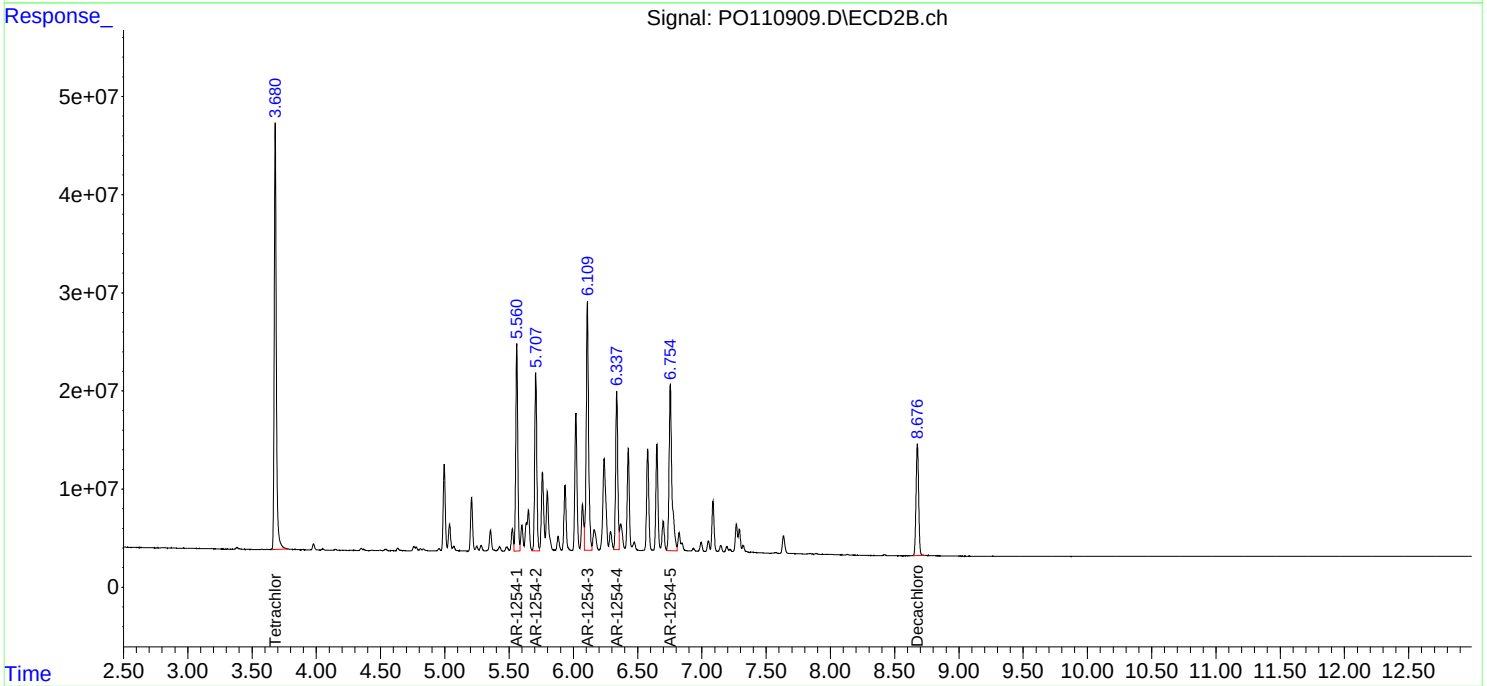
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 15:12
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

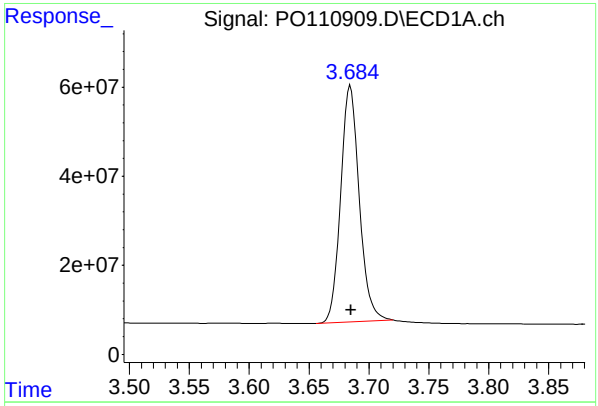
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

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

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



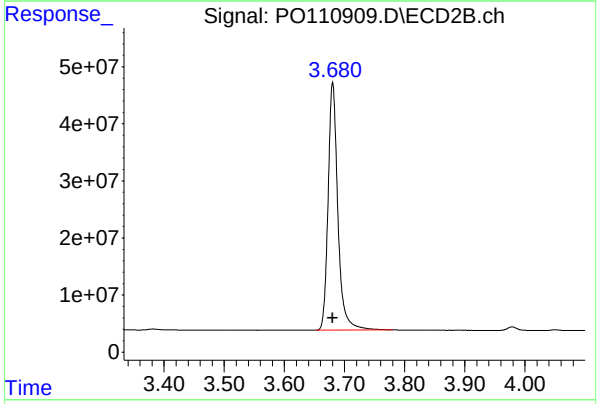




#1 Tetrachloro-m-xylene

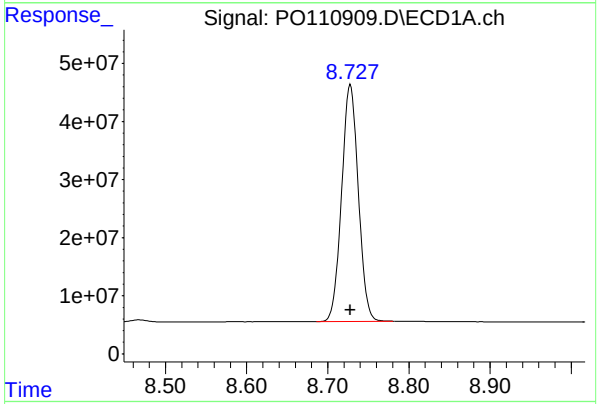
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 574241723
Conc: 100.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



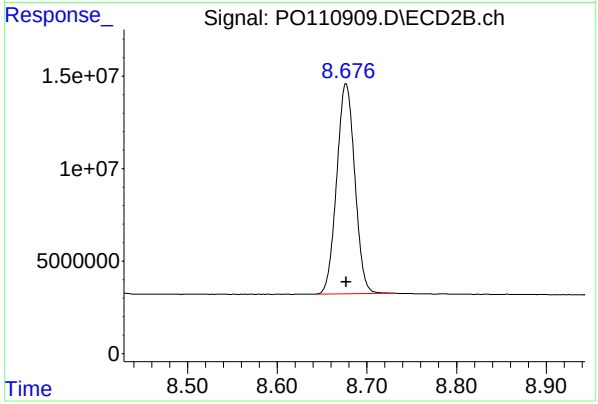
#1 Tetrachloro-m-xylene

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



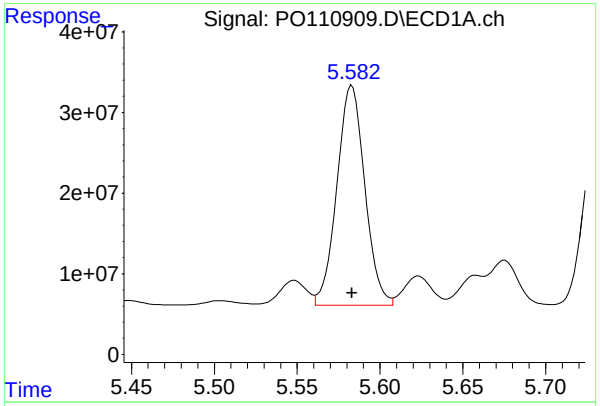
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

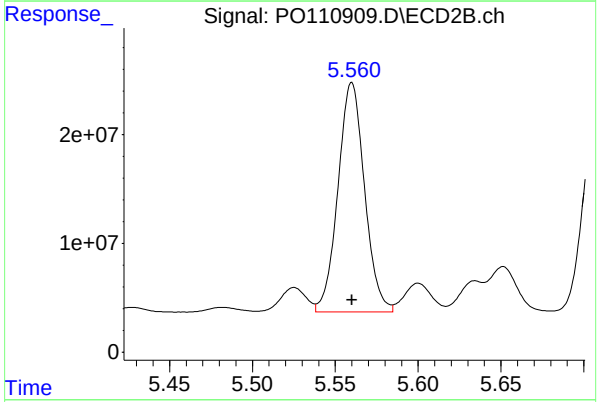
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 159647162
Conc: 94.82 ng/ml



#26 AR-1254-1

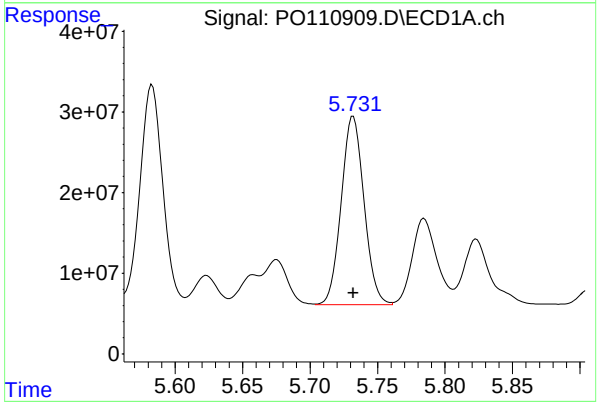
R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 319345291
Conc: 967.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



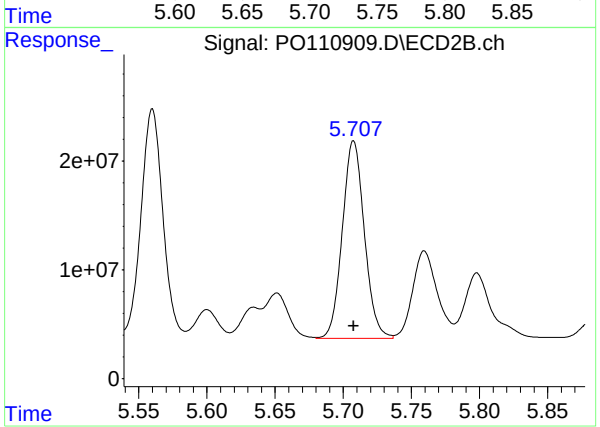
#26 AR-1254-1

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



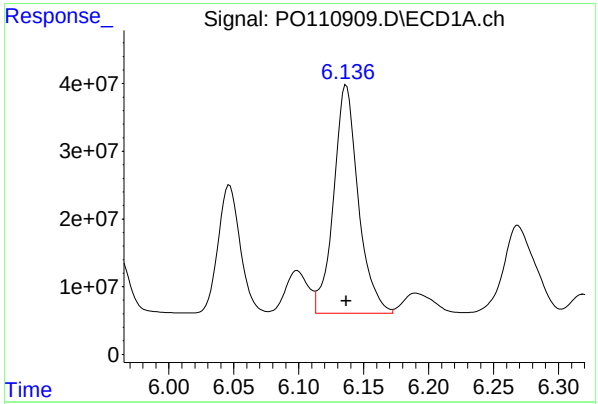
#27 AR-1254-2

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



#27 AR-1254-2

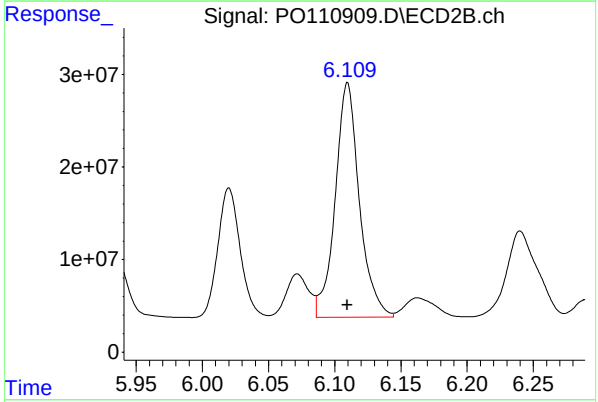
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 204202116
Conc: 980.29 ng/ml



#28 AR-1254-3

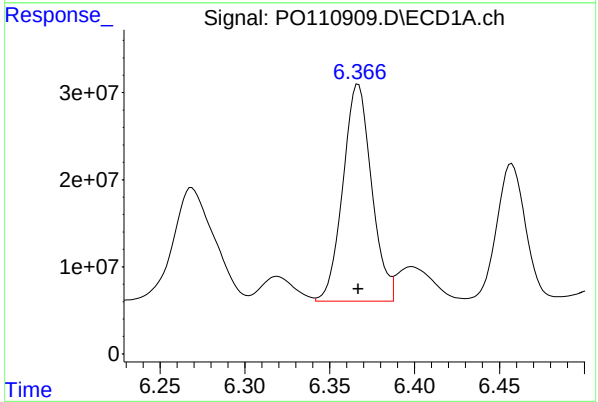
R.T.: 6.137 min
Delta R.T.: 0.000 min
Response: 446238177
Conc: 994.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



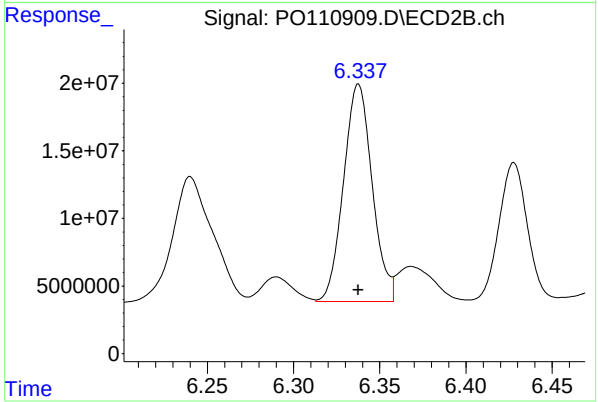
#28 AR-1254-3

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



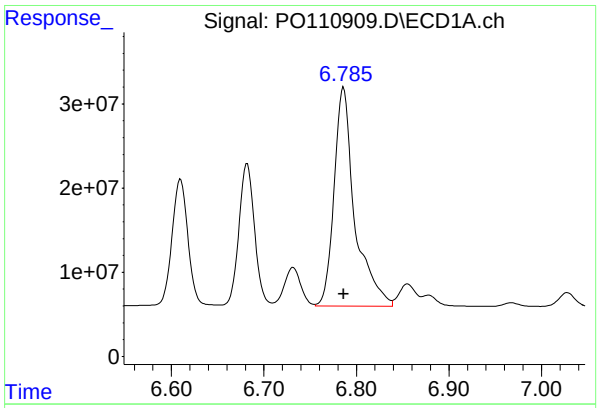
#29 AR-1254-4

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



#29 AR-1254-4

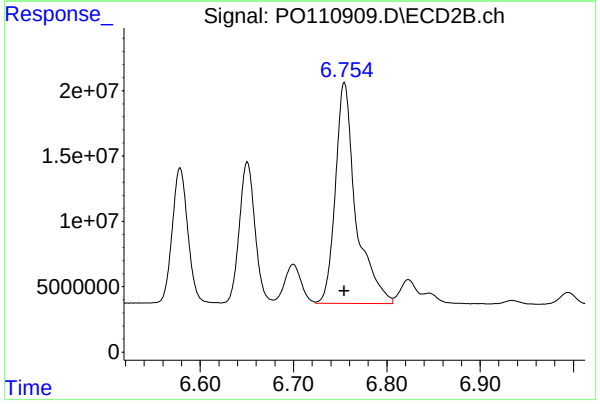
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 186026034
Conc: 979.03 ng/ml



#30 AR-1254-5

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.680	439.7E6	372.0E6	76.443	76.015
2)	SA Decachlor...	8.727	8.677	450.0E6	124.8E6	75.037	74.430
	Target Compounds						
26)	L6 AR-1254-1	5.582	5.560	247.3E6	182.5E6	749.435	749.427
27)	L6 AR-1254-2	5.731	5.708	213.6E6	158.6E6	761.945	757.633
28)	L6 AR-1254-3	6.136	6.110	343.2E6	247.3E6	760.069	754.803
29)	L6 AR-1254-4	6.366	6.337	226.9E6	143.3E6	754.707	752.941
30)	L6 AR-1254-5	6.786	6.754	311.9E6	199.3E6	749.460	753.719

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

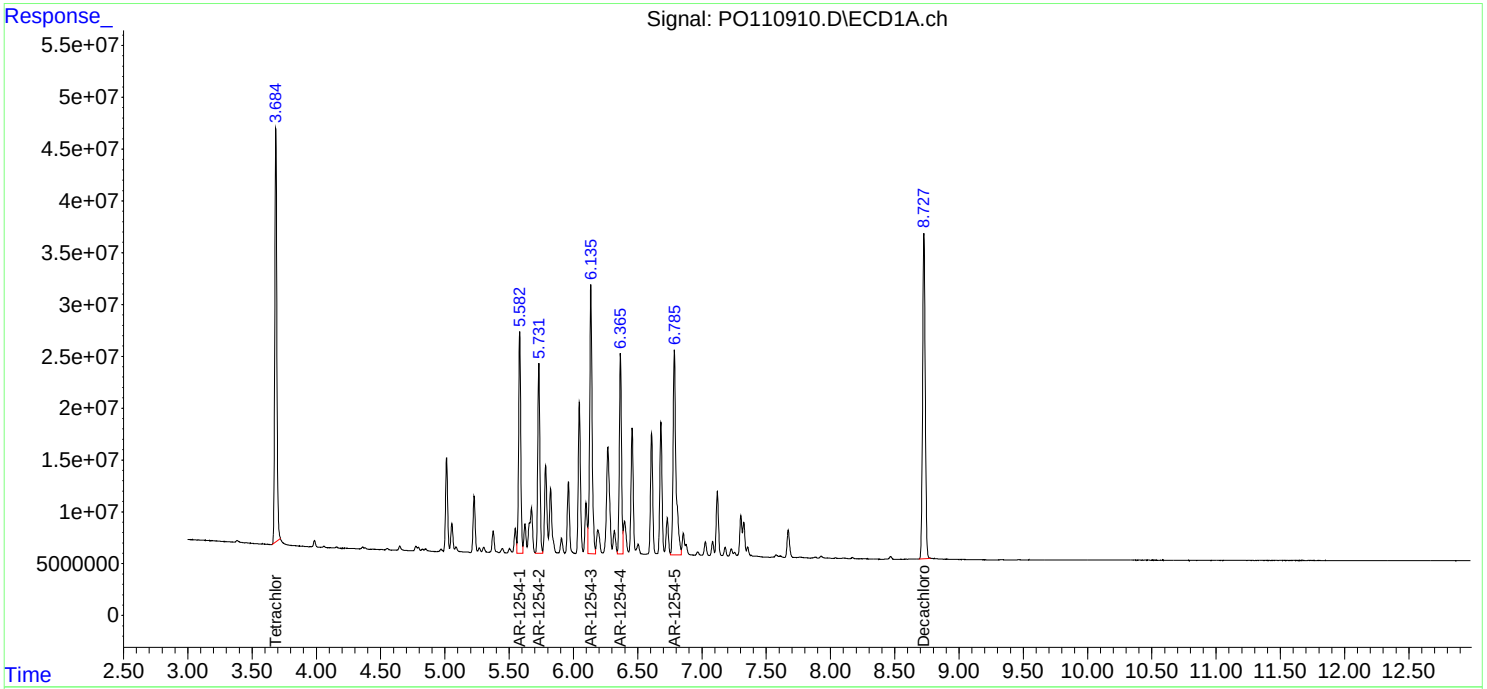
ICAL Form

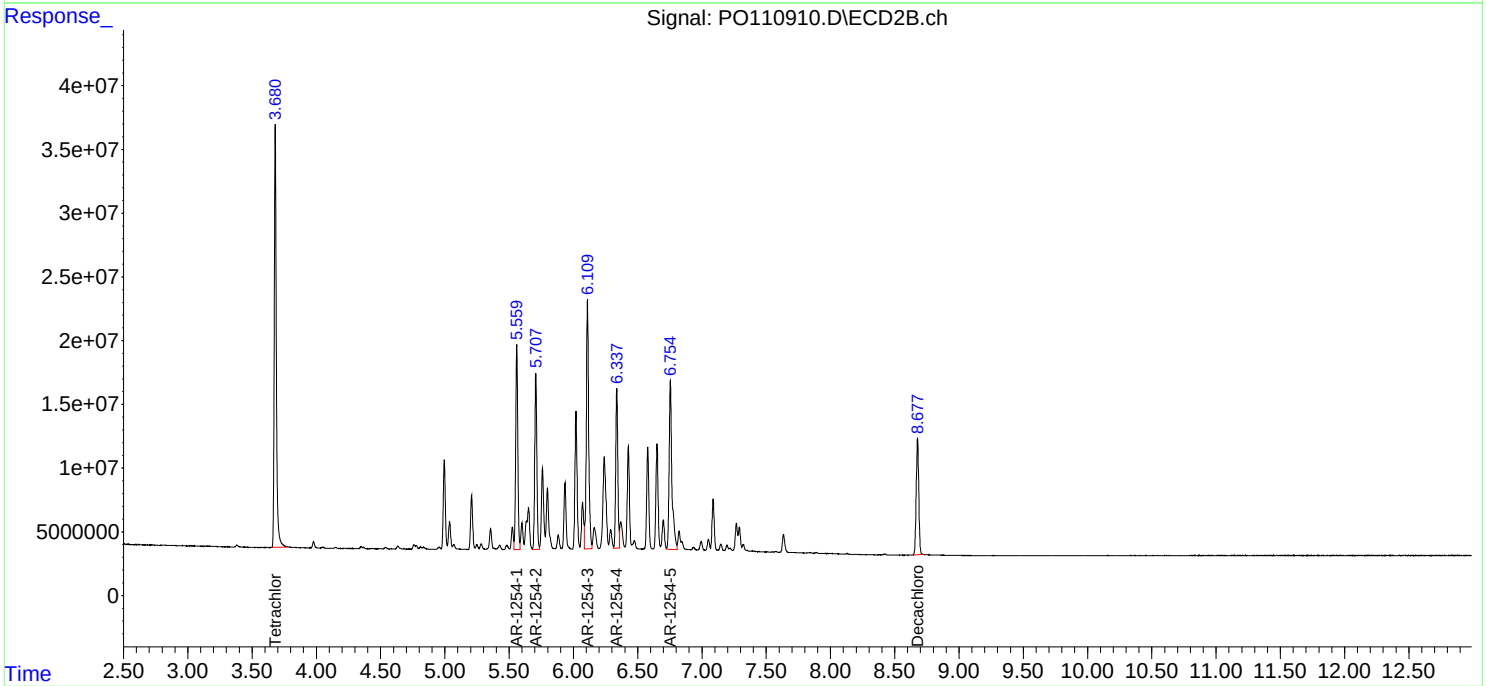
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 15:30
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

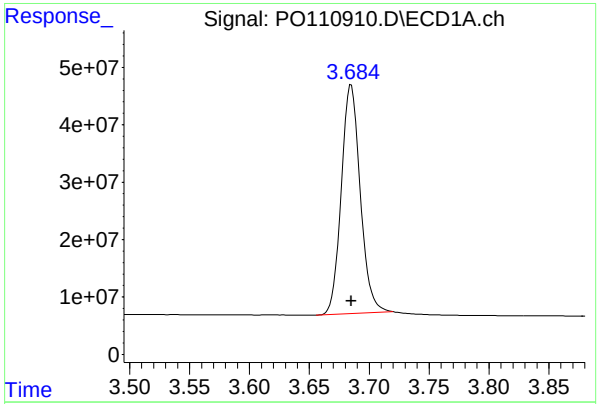
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

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

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



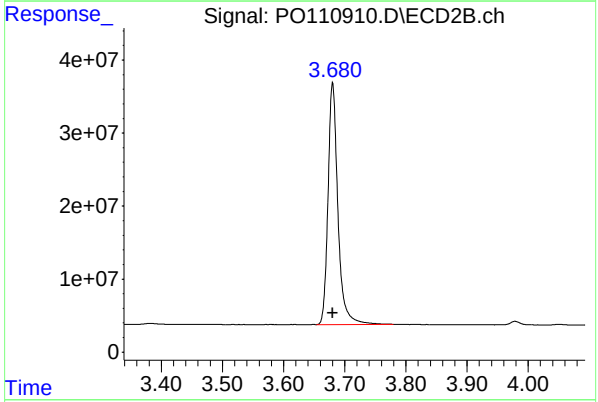




#1 Tetrachloro-m-xylene

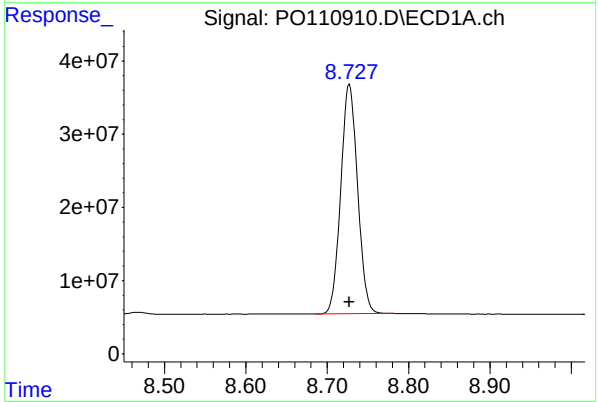
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 439666440
Conc: 76.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



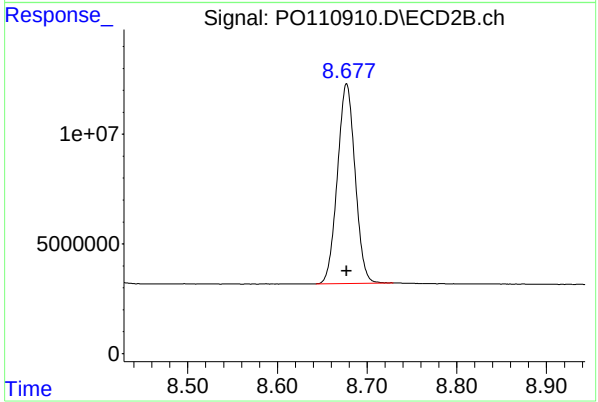
#1 Tetrachloro-m-xylene

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



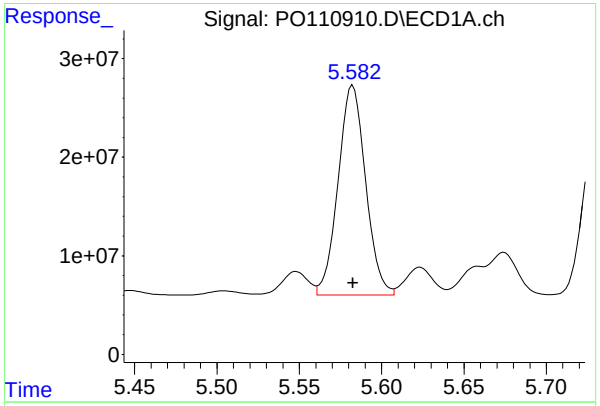
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

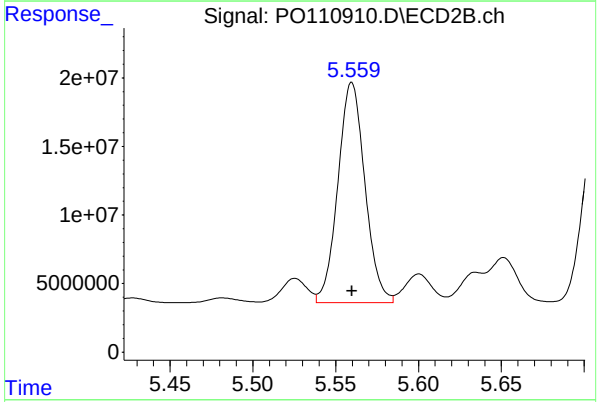
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 124837321
Conc: 74.43 ng/ml



#26 AR-1254-1

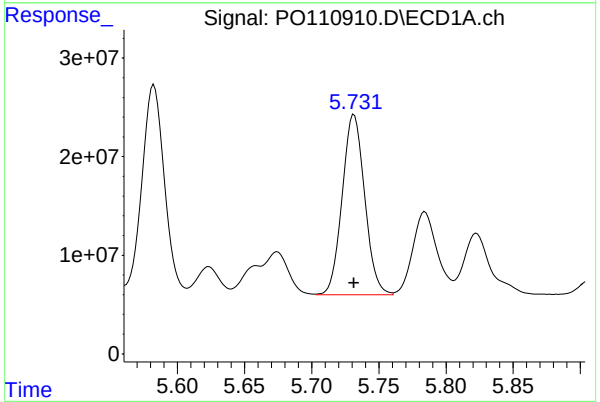
R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 247293288
Conc: 749.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



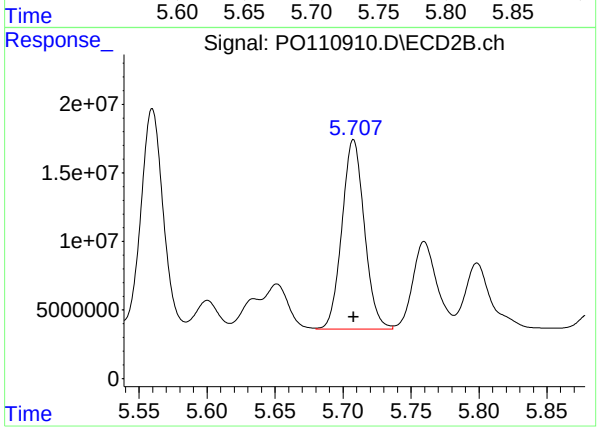
#26 AR-1254-1

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



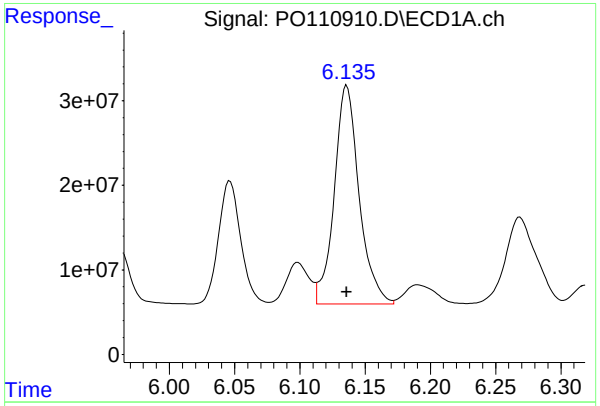
#27 AR-1254-2

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



#27 AR-1254-2

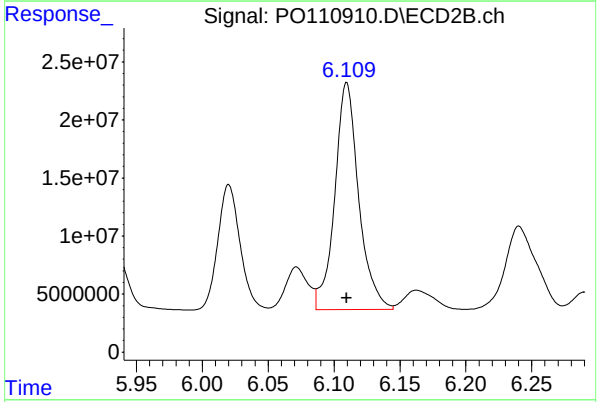
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 158627411
Conc: 757.63 ng/ml



#28 AR-1254-3

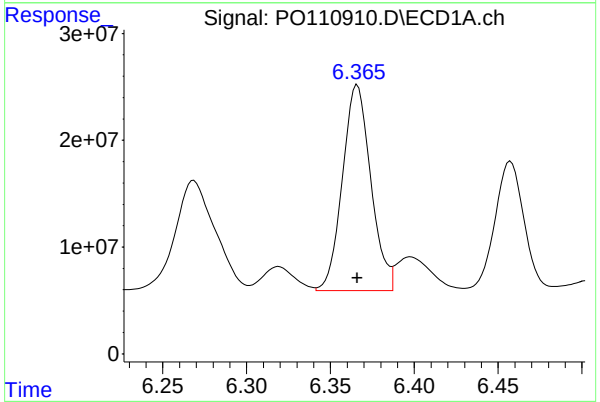
R.T.: 6.136 min
Delta R.T.: 0.000 min
Response: 343193024
Conc: 760.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



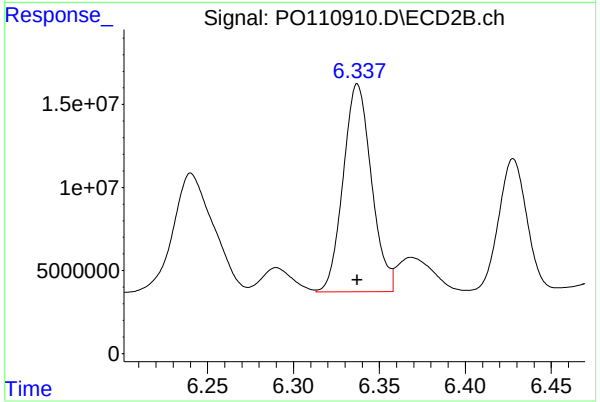
#28 AR-1254-3

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



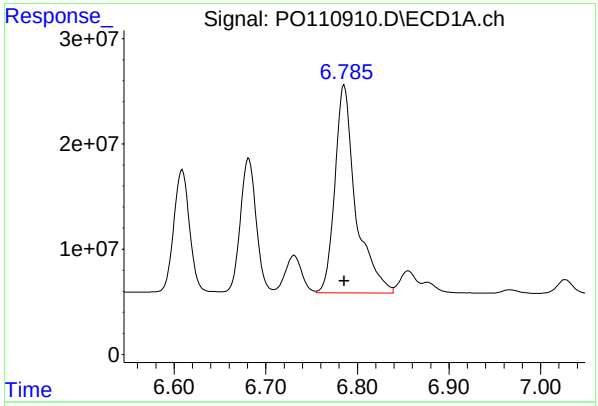
#29 AR-1254-4

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



#29 AR-1254-4

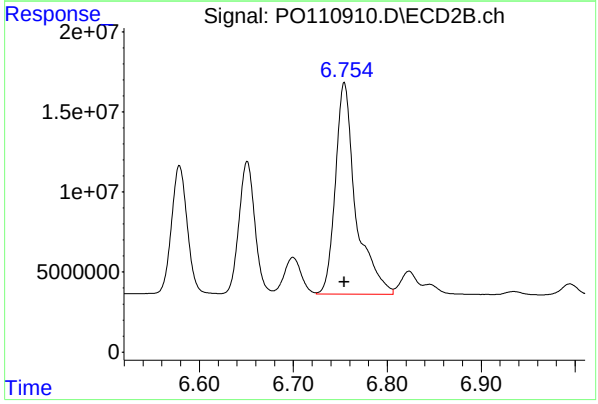
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 143347269
Conc: 752.94 ng/ml



#30 AR-1254-5

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.681	282.5E6	241.4E6	50.000	50.000
2)	SA Decachlor...	8.728	8.678	308.3E6	88537702	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	5.582	5.560	170.4E6	125.7E6	500.000	500.000
27)	L6 AR-1254-2	5.732	5.708	140.0E6	106.2E6	500.000	500.000
28)	L6 AR-1254-3	6.136	6.110	225.4E6	165.6E6	500.000	500.000
29)	L6 AR-1254-4	6.367	6.338	153.2E6	96996949	500.000	500.000
30)	L6 AR-1254-5	6.786	6.755	214.2E6	134.6E6	500.000	500.000

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

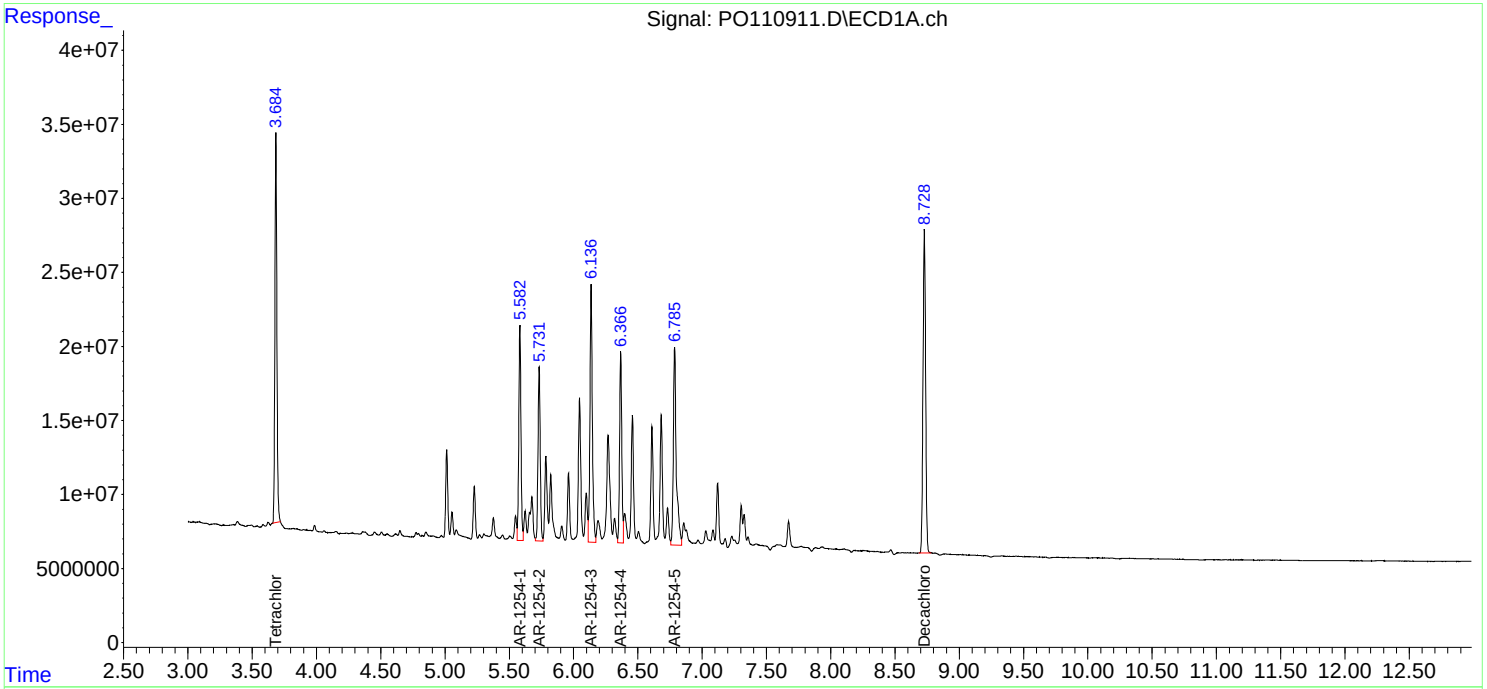
ICAL Form

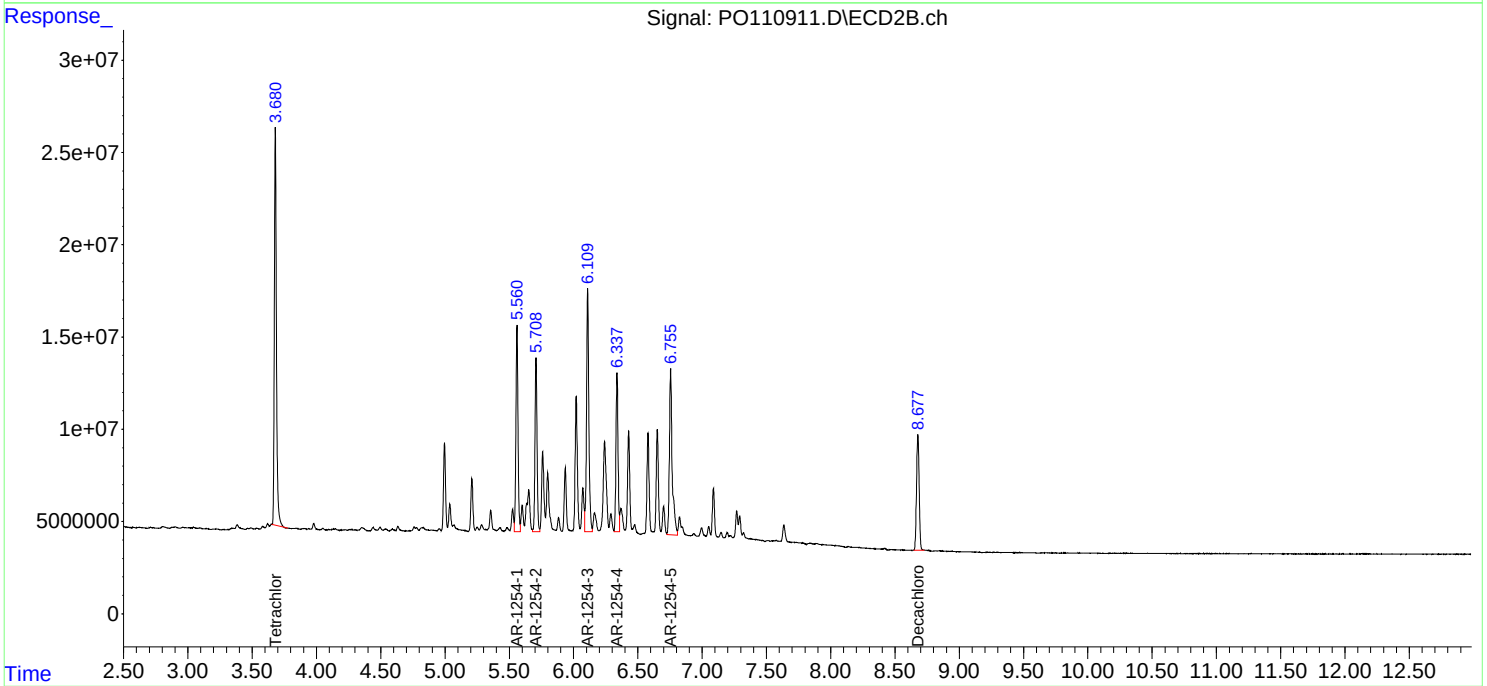
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 15:48
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

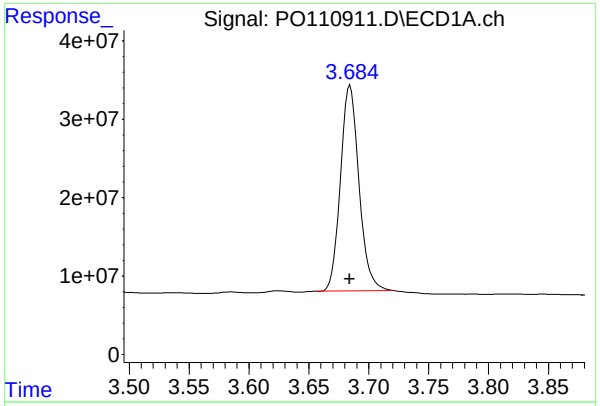
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

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

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



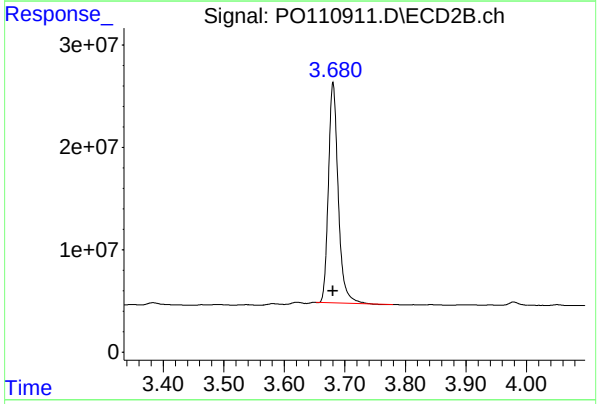




#1 Tetrachloro-m-xylene

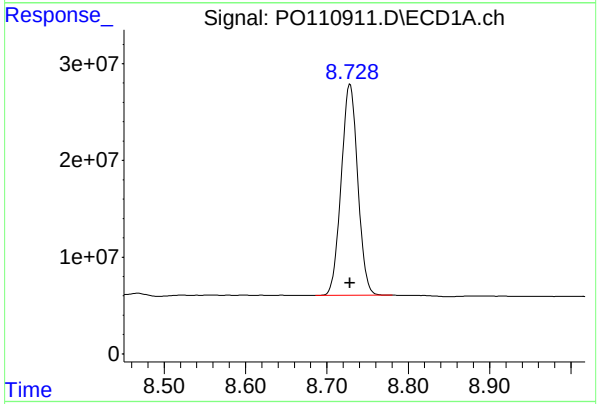
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 282507594
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



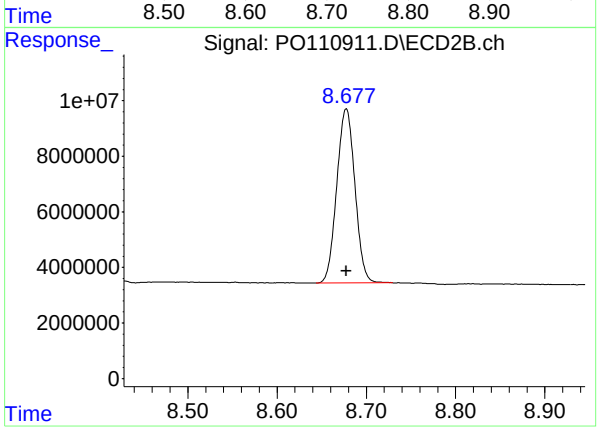
#1 Tetrachloro-m-xylene

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



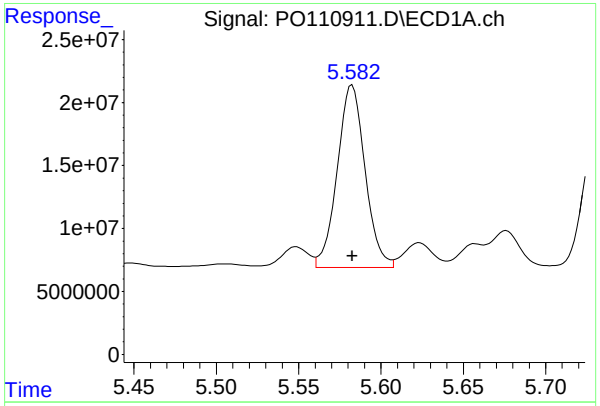
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

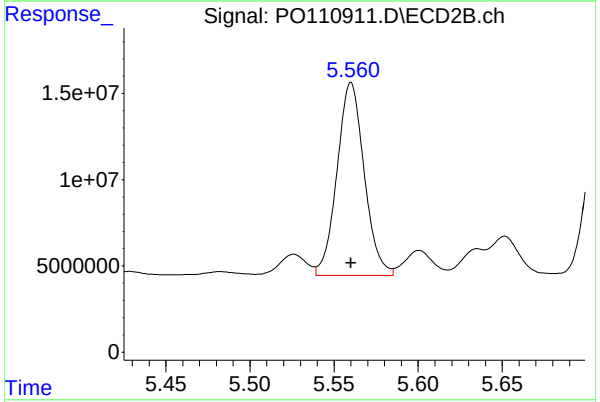
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 88537702
Conc: 50.00 ng/ml



#26 AR-1254-1

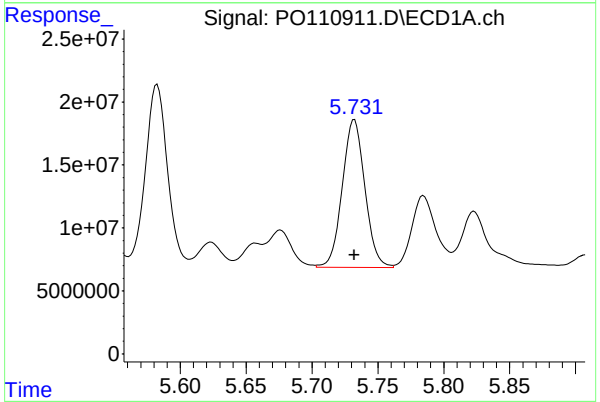
R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 170424865
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



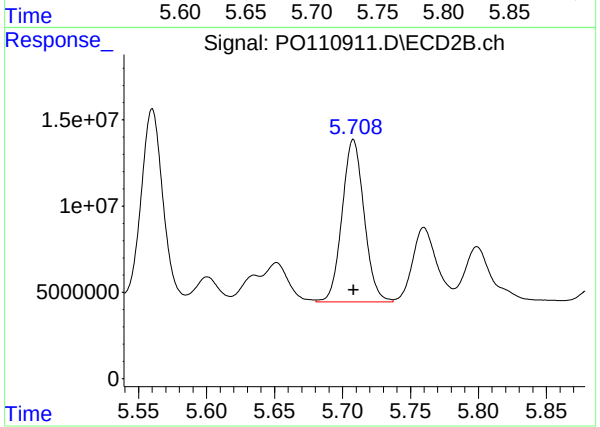
#26 AR-1254-1

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



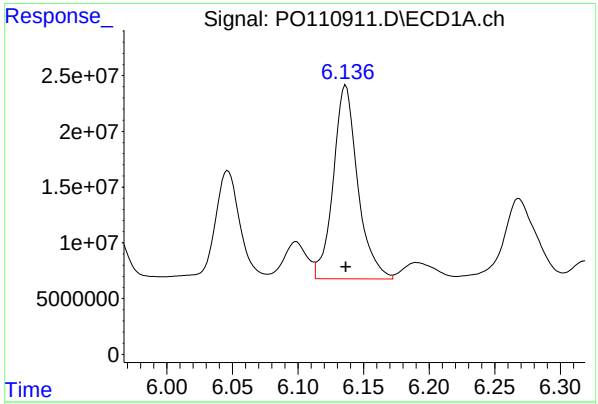
#27 AR-1254-2

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



#27 AR-1254-2

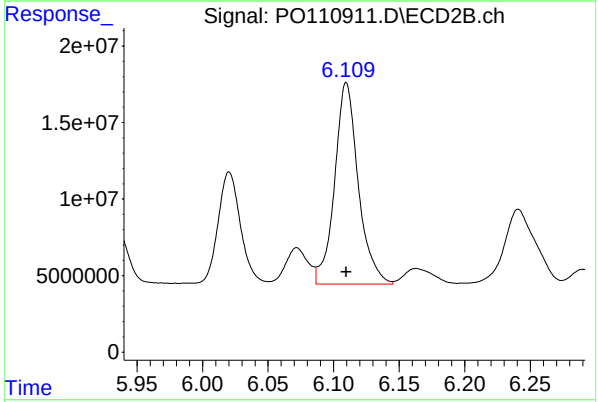
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 106206062
Conc: 500.00 ng/ml



#28 AR-1254-3

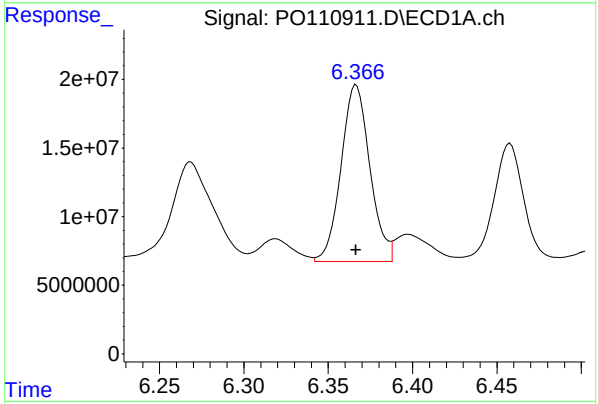
R.T.: 6.136 min
Delta R.T.: 0.000 min
Response: 225379125
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



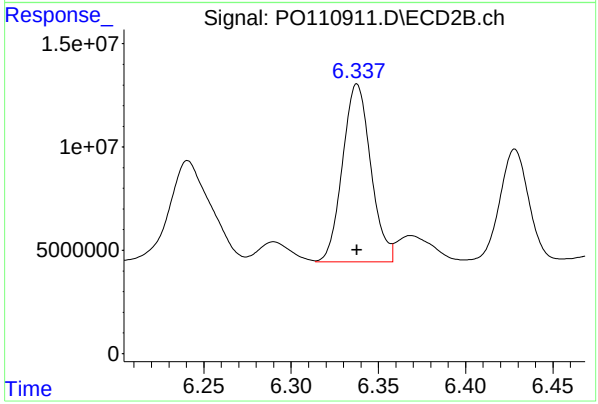
#28 AR-1254-3

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



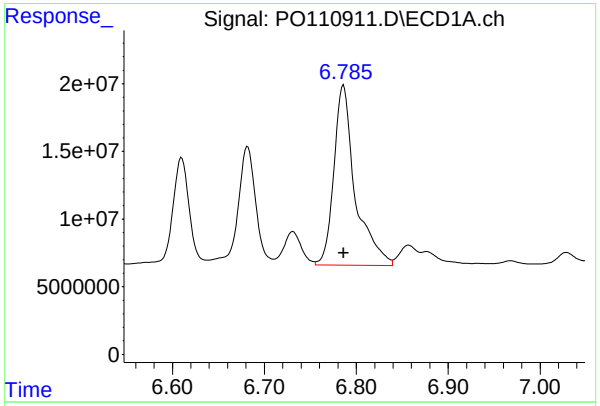
#29 AR-1254-4

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



#29 AR-1254-4

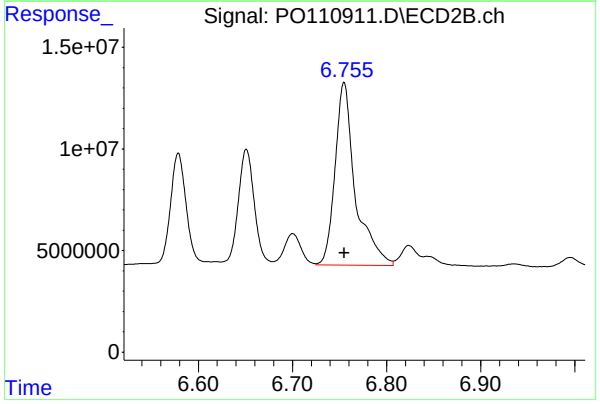
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 96996949
Conc: 500.00 ng/ml



#30 AR-1254-5

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	149.5E6	126.5E6	25.735	25.631
2)	SA Decachlor...	8.728	8.677	162.5E6	46573337	26.540	27.020
	Target Compounds						
26)	L6 AR-1254-1	5.582	5.559	89585333	66476706	265.780	266.859
27)	L6 AR-1254-2	5.732	5.707	77477026	58202668	269.277	270.418
28)	L6 AR-1254-3	6.136	6.109	121.0E6	88016126	263.198	263.721
29)	L6 AR-1254-4	6.366	6.337	81390707	51770094	265.239	266.091
30)	L6 AR-1254-5	6.785	6.755	110.6E6	71067939	261.569	263.823

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

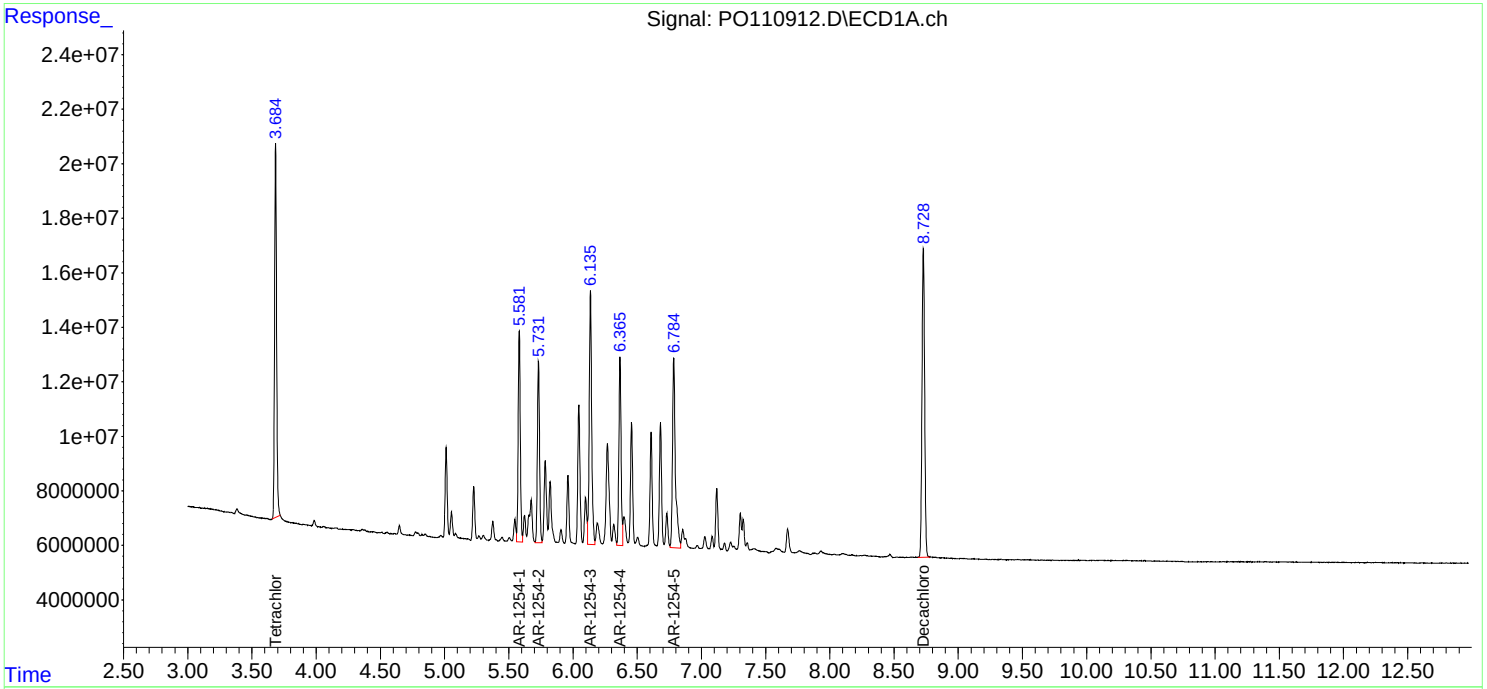
ICAL Form

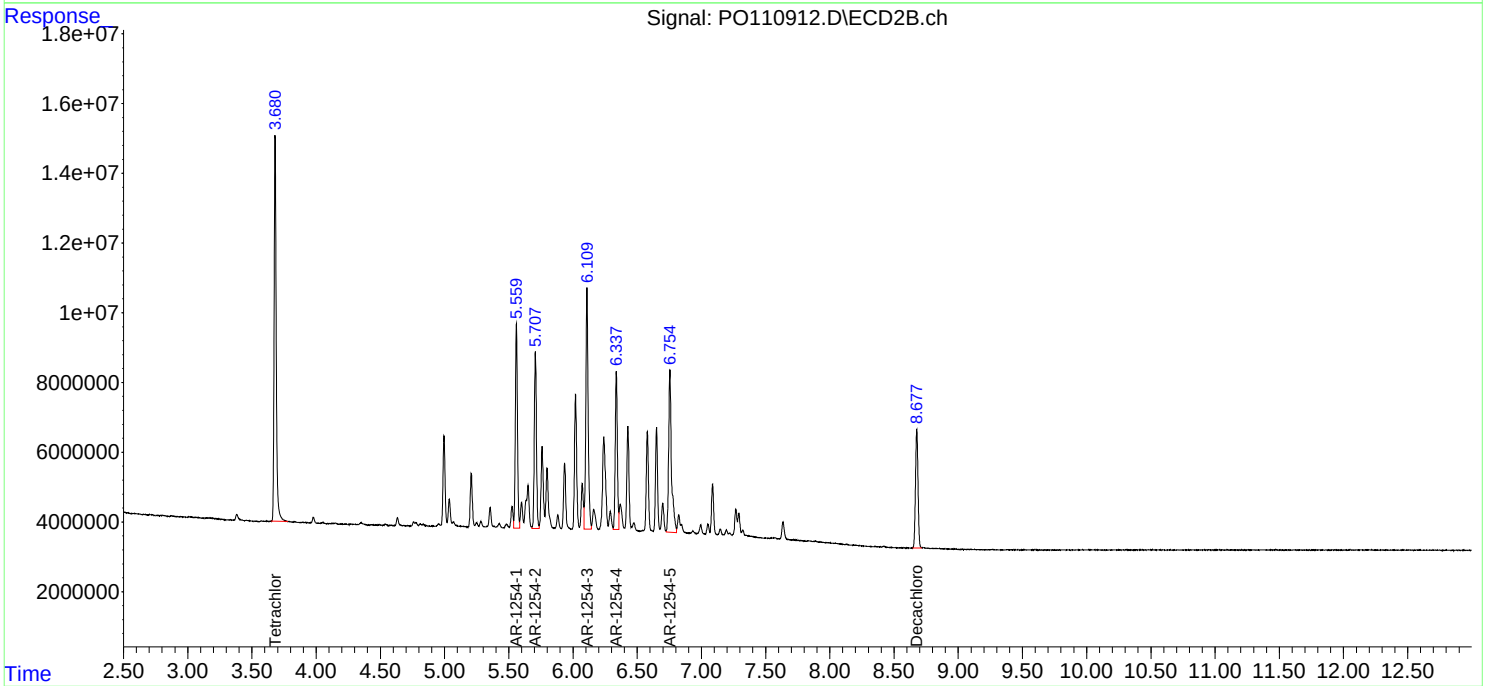
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 16:07
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

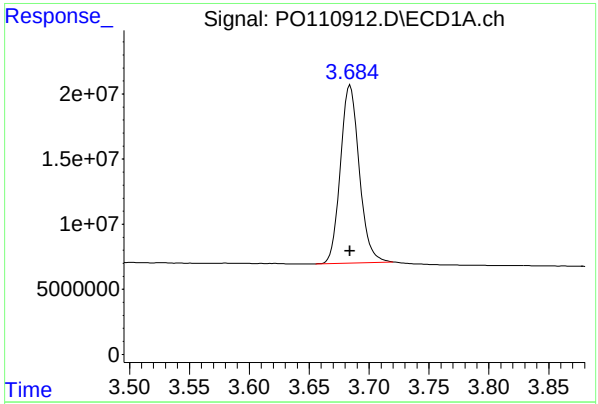
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

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

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



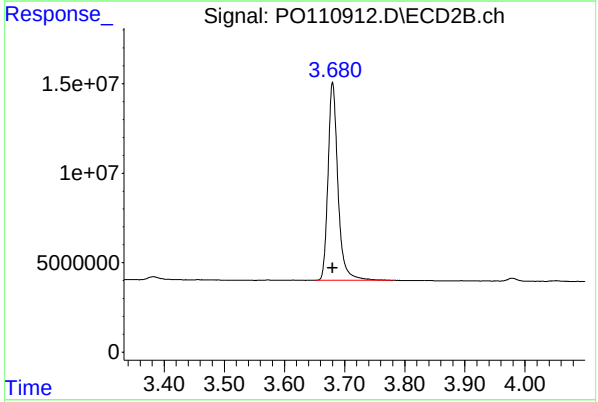




#1 Tetrachloro-m-xylene

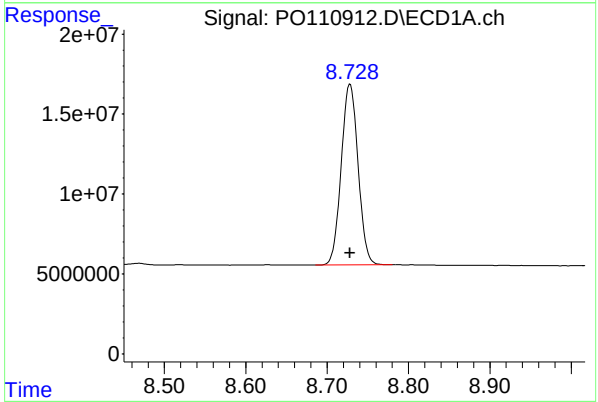
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 149485920
Conc: 25.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



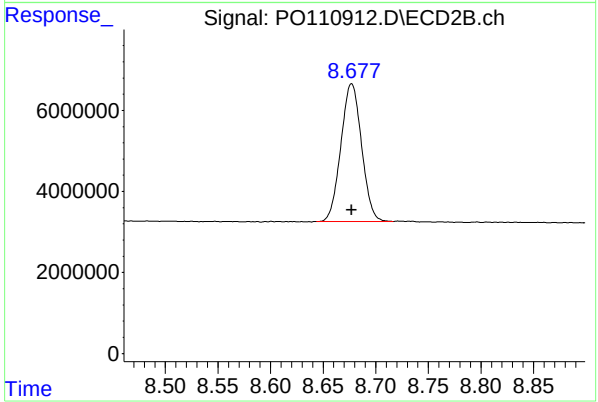
#1 Tetrachloro-m-xylene

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



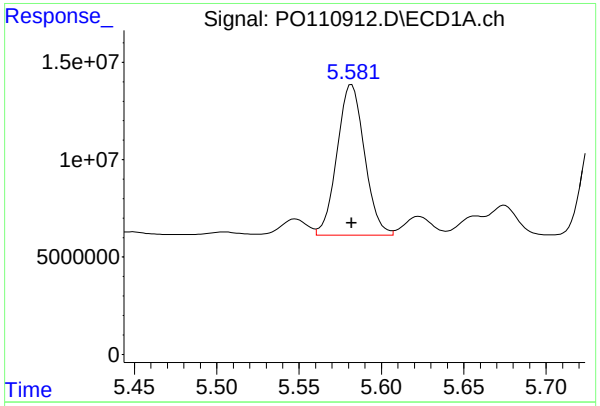
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

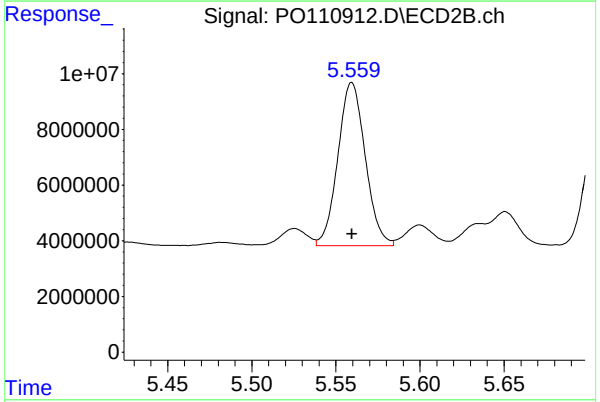
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 46573337
Conc: 27.02 ng/ml



#26 AR-1254-1

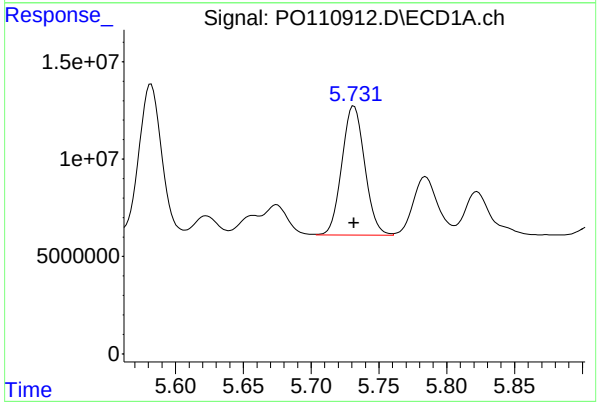
R.T.: 5.582 min
Delta R.T.: 0.000 min
Response: 89585333
Conc: 265.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



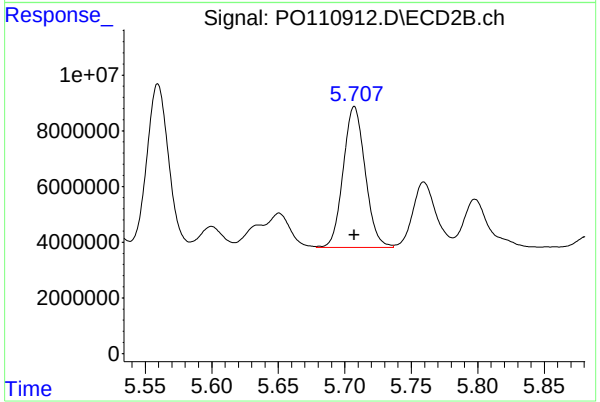
#26 AR-1254-1

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



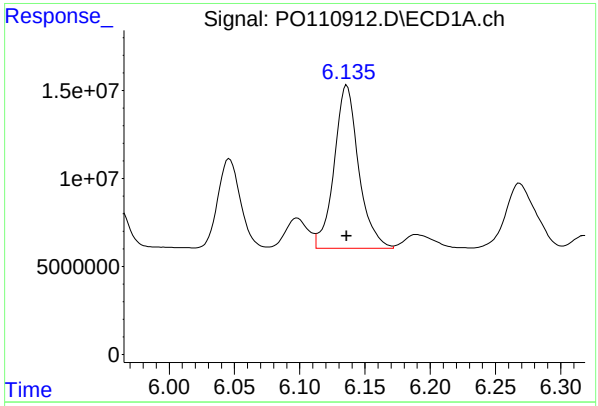
#27 AR-1254-2

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



#27 AR-1254-2

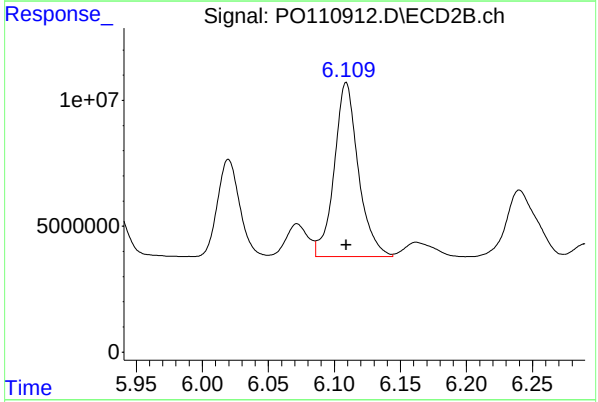
R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 58202668
Conc: 270.42 ng/ml



#28 AR-1254-3

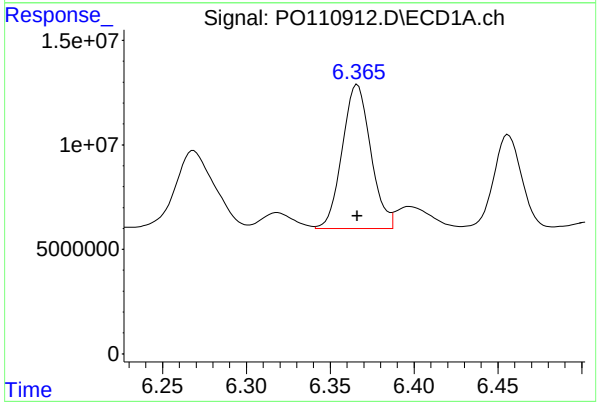
R.T.: 6.136 min
Delta R.T.: 0.000 min
Response: 120970500
Conc: 263.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



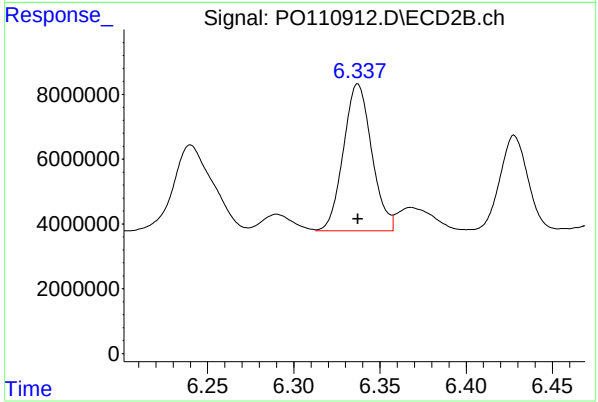
#28 AR-1254-3

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



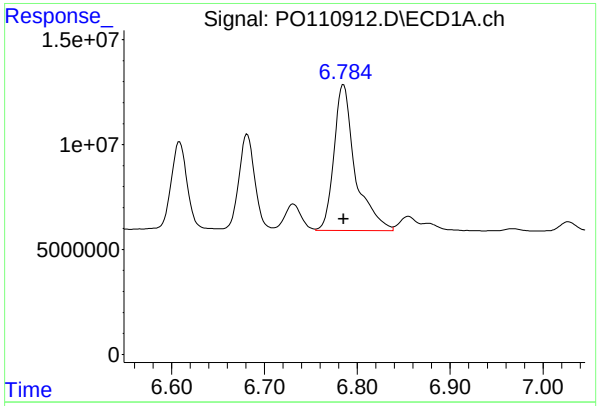
#29 AR-1254-4

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



#29 AR-1254-4

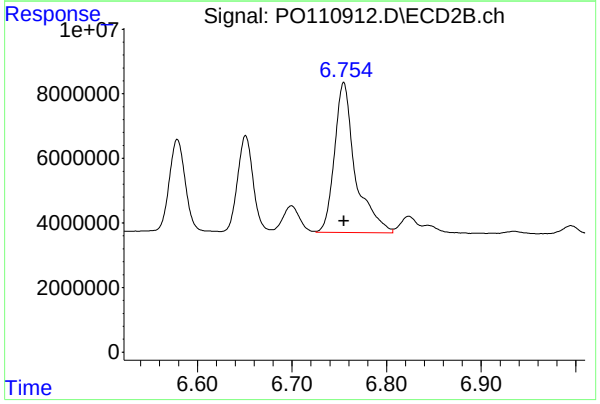
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 51770094
Conc: 266.09 ng/ml



#30 AR-1254-5

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	26377540	22002180	4.626	4.557
2)	SA Decachlor...	8.727	8.677	30782814	8968537	5.022	5.161
	Target Compounds						
26)	L6 AR-1254-1	5.583	5.559	16979705	12934439	50.300	51.527
27)	L6 AR-1254-2	5.732	5.708	14380863	11500122	49.985	52.708
28)	L6 AR-1254-3	6.137	6.109	22400934	16802895	48.985	50.277
29)	L6 AR-1254-4	6.366	6.337	14834665	9628805	48.666	49.592
30)	L6 AR-1254-5	6.786	6.754	20936827	13194846	49.626	49.183

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

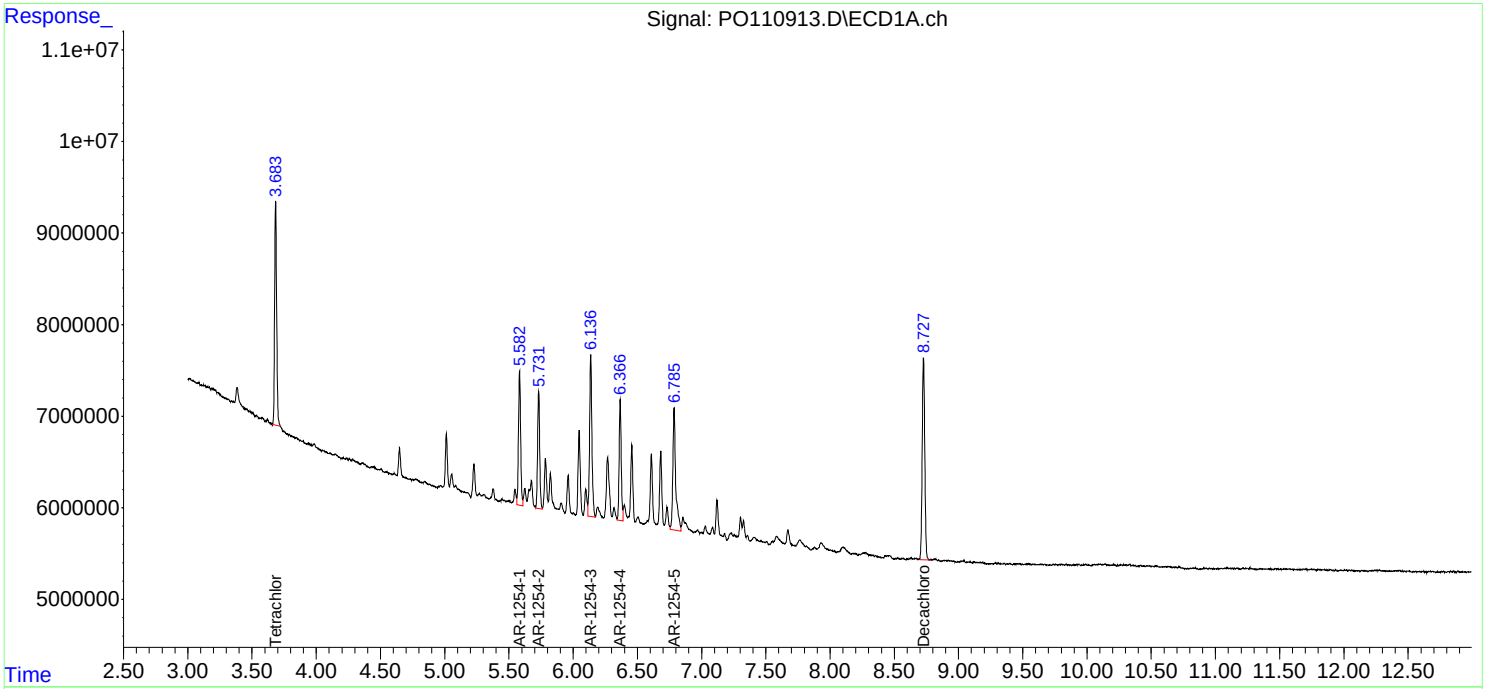
ICAL Form

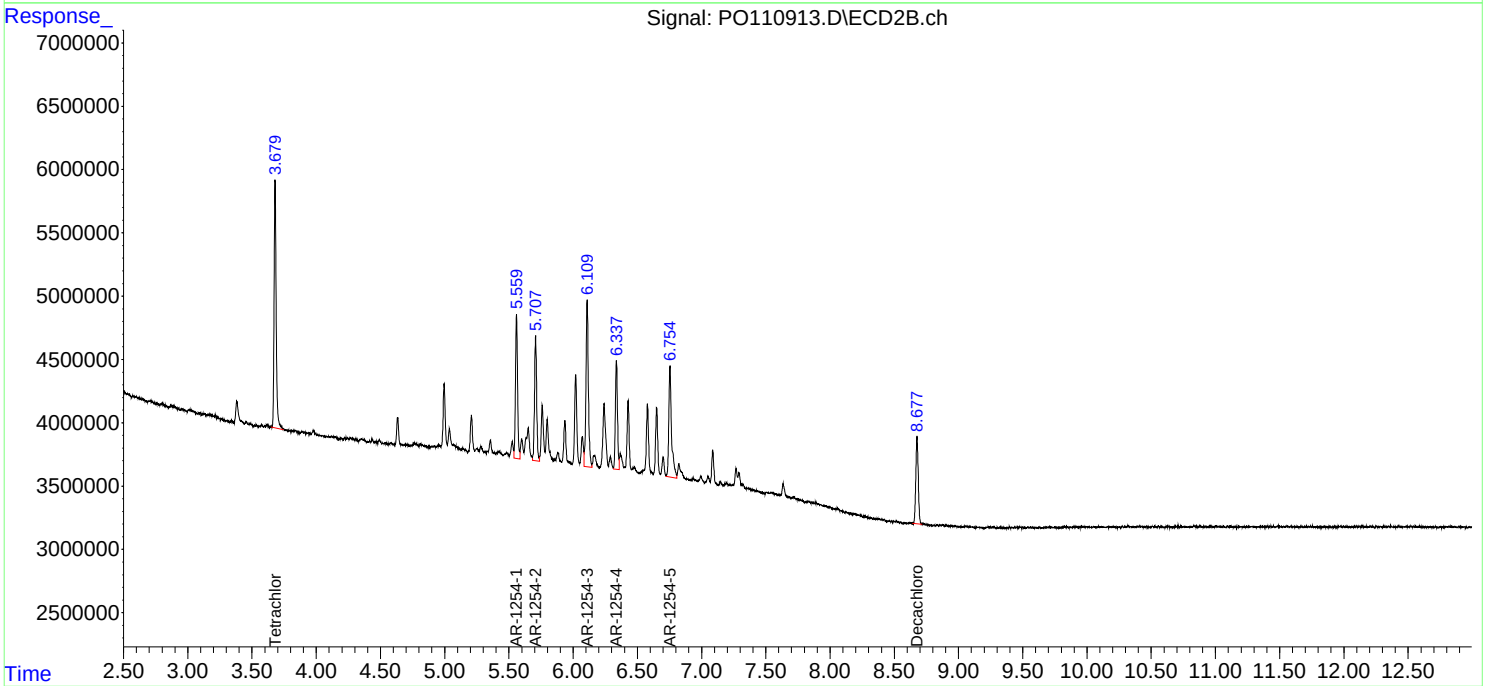
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 16:25
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

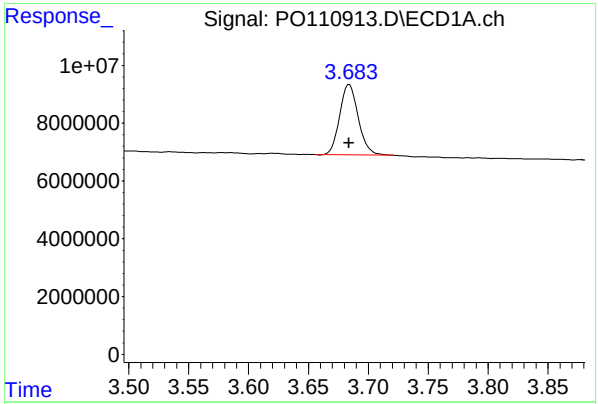
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

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

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



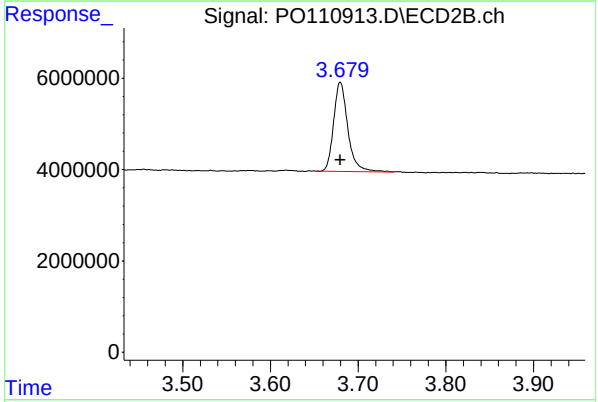




#1 Tetrachloro-m-xylene

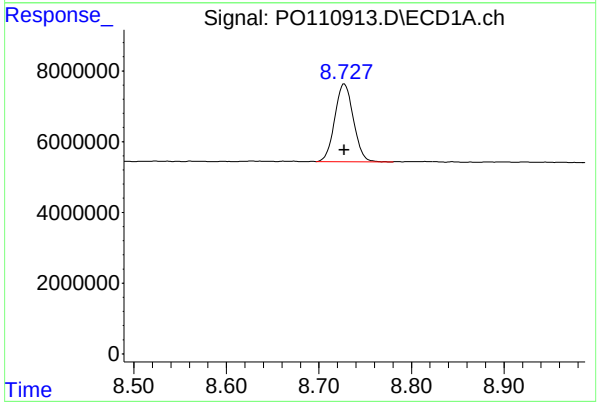
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 26377540
Conc: 4.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



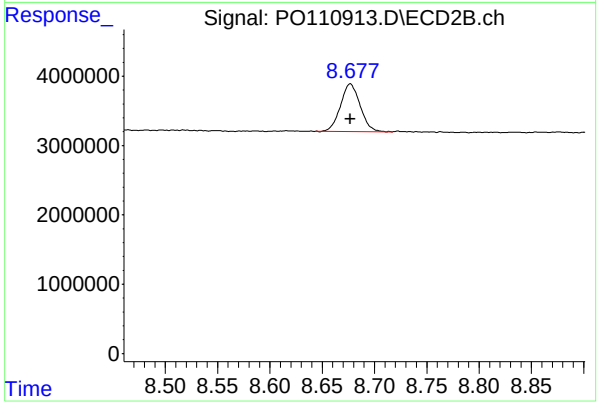
#1 Tetrachloro-m-xylene

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



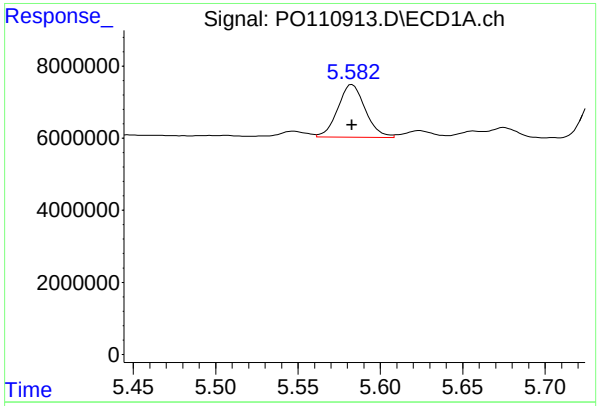
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

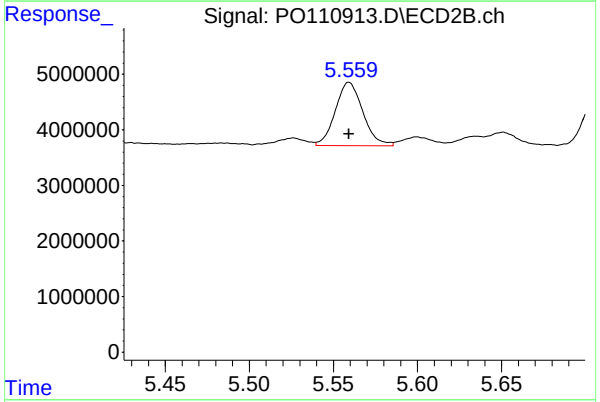
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 8968537
Conc: 5.16 ng/ml



#26 AR-1254-1

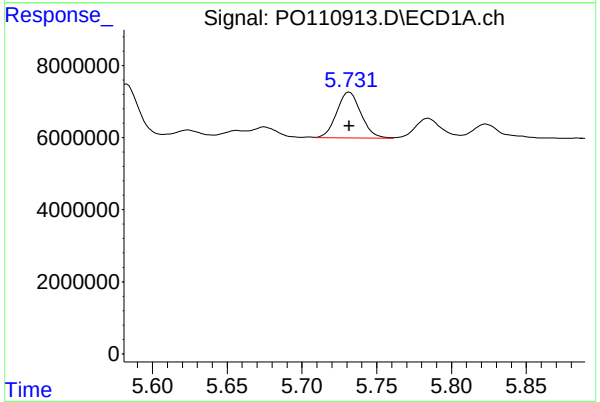
R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 16979705
Conc: 50.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



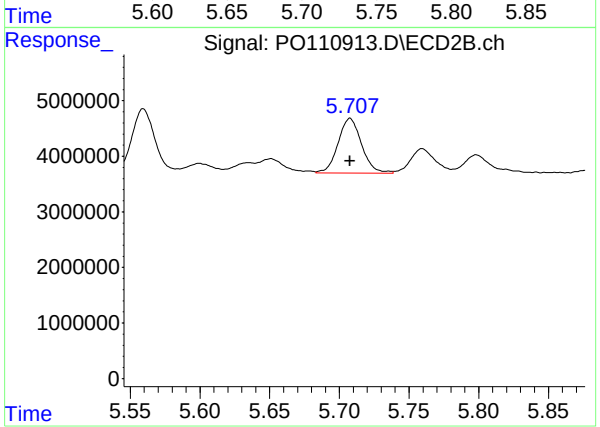
#26 AR-1254-1

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



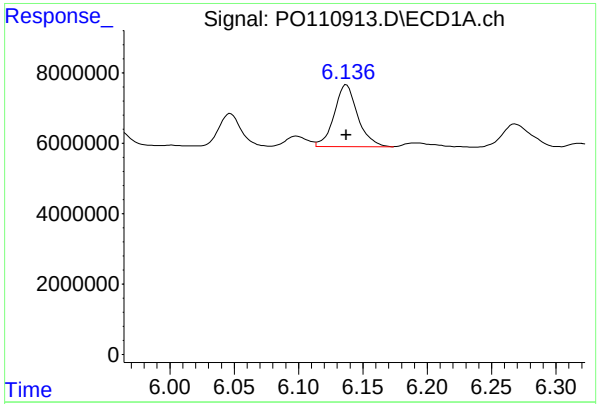
#27 AR-1254-2

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



#27 AR-1254-2

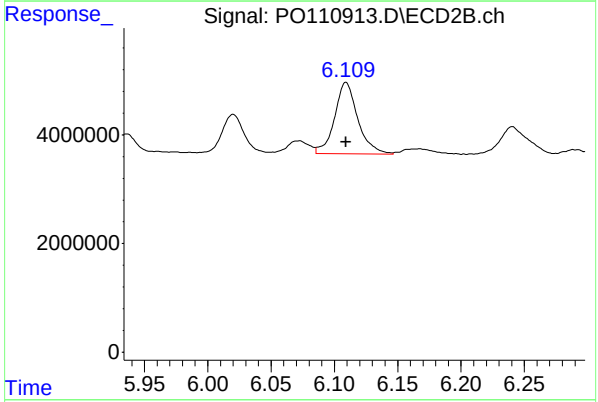
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 11500122
Conc: 52.71 ng/ml



#28 AR-1254-3

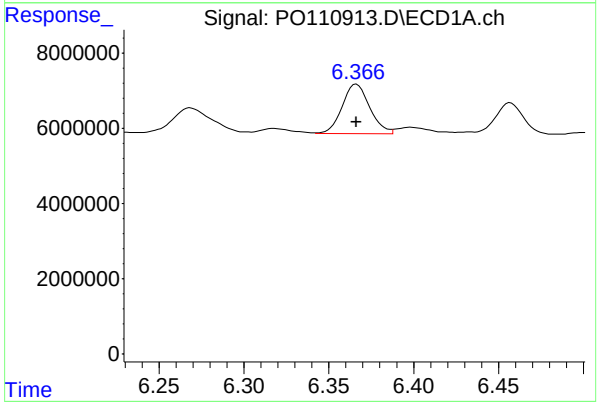
R.T.: 6.137 min
Delta R.T.: 0.000 min
Response: 22400934
Conc: 48.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



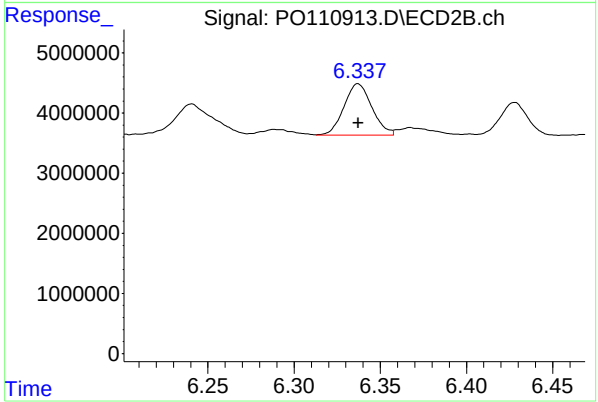
#28 AR-1254-3

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



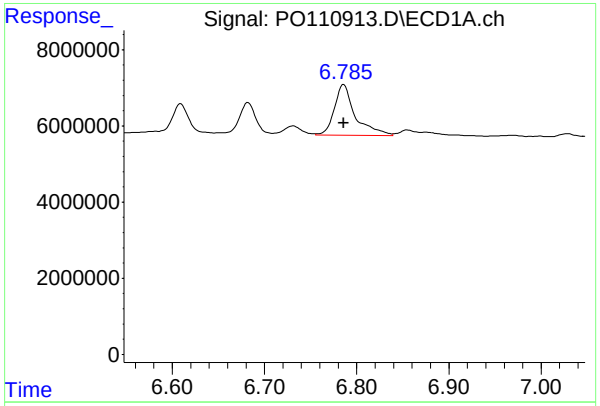
#29 AR-1254-4

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



#29 AR-1254-4

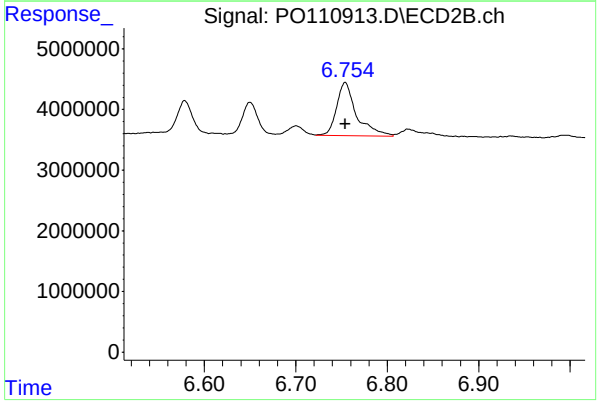
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 9628805
Conc: 49.59 ng/ml



#30 AR-1254-5

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.680	287.5E6	248.5E6	50.000	50.000
2)	SA Decachlor...	8.727	8.677	301.9E6	86654868	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	6.823	6.793	230.2E6	141.2E6	500.000	500.000
37)	L8 AR-1262-2	7.326	7.292	393.2E6	219.7E6	500.000	500.000
38)	L8 AR-1262-3	7.609	7.575	167.0E6	81181101	500.000	500.000
39)	L8 AR-1262-4	7.674	7.638	289.3E6	145.6E6	500.000	500.000
40)	L8 AR-1262-5	8.172	8.132	133.4E6	49296483	500.000	500.000

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

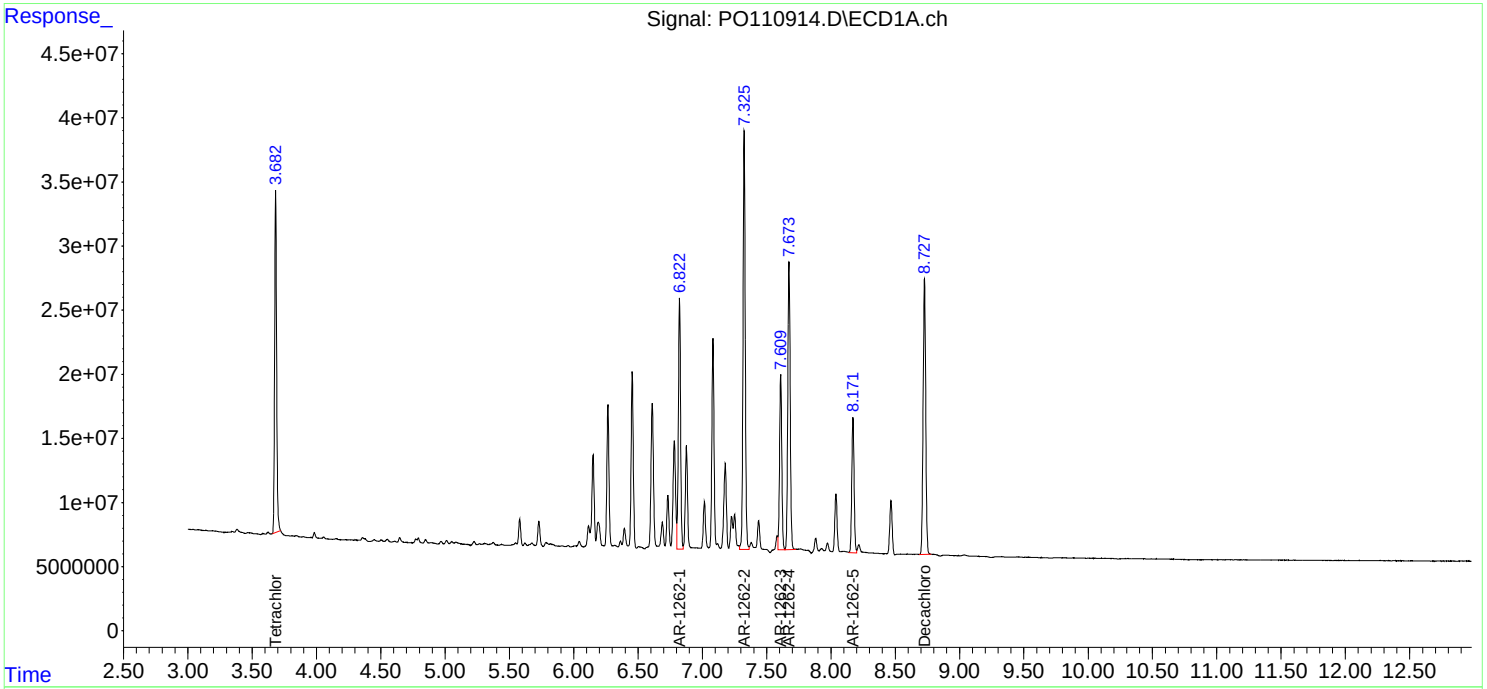
ICAL Form

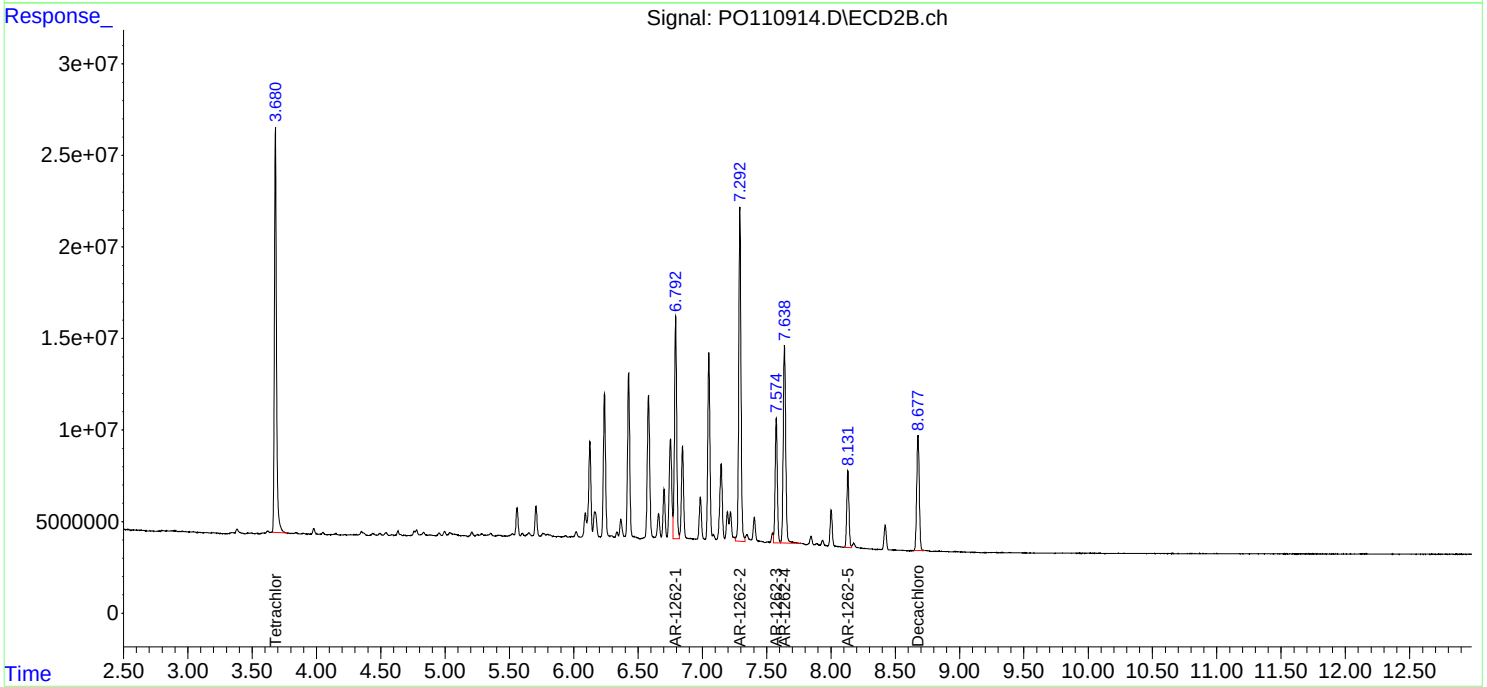
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 17:01
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

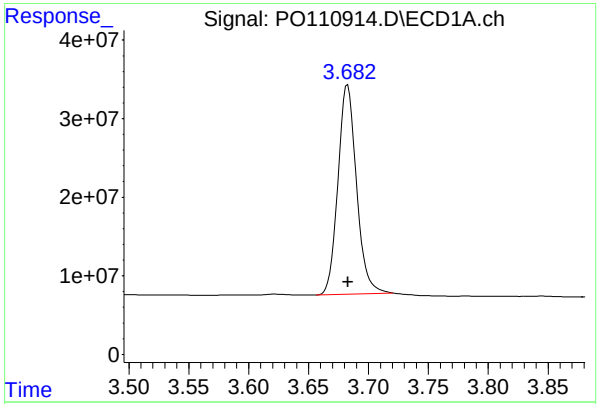
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

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

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



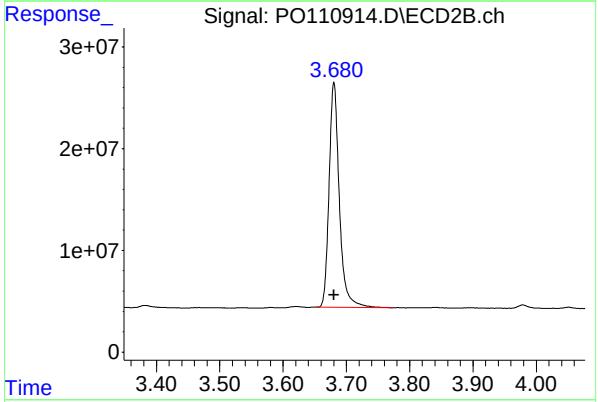




#1 Tetrachloro-m-xylene

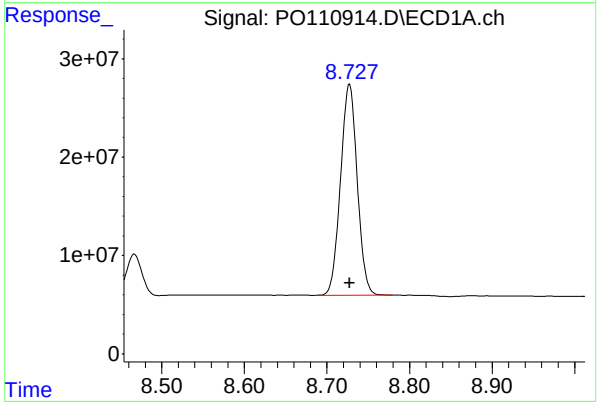
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 287519257
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



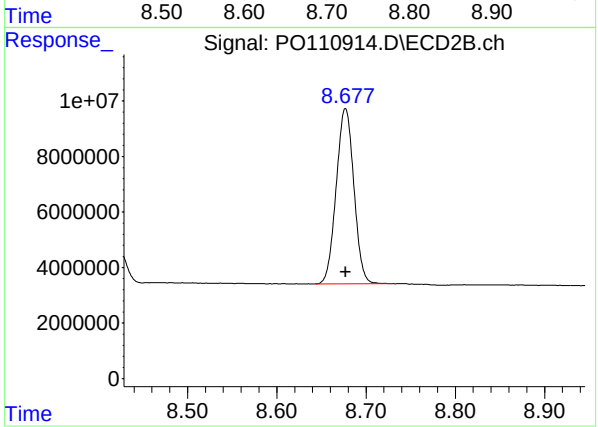
#1 Tetrachloro-m-xylene

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



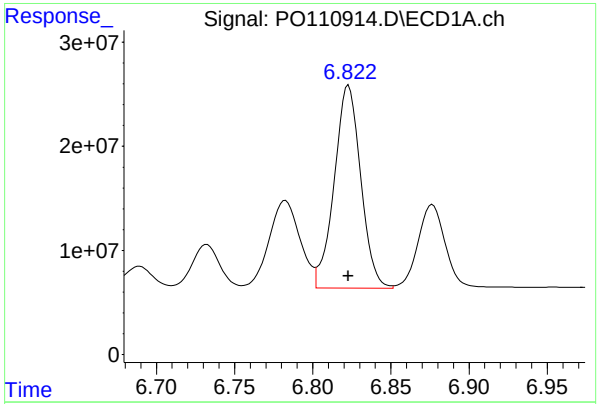
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

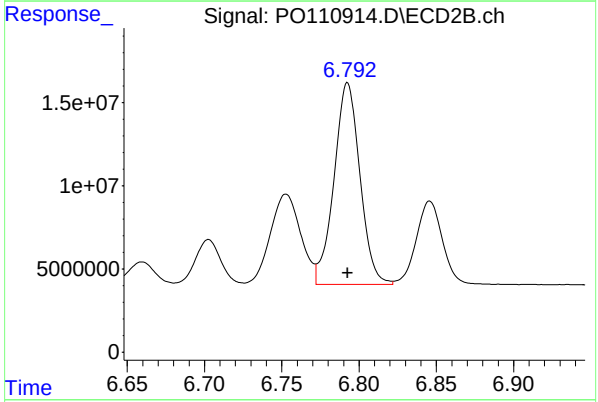
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 86654868
Conc: 50.00 ng/ml



#36 AR-1262-1

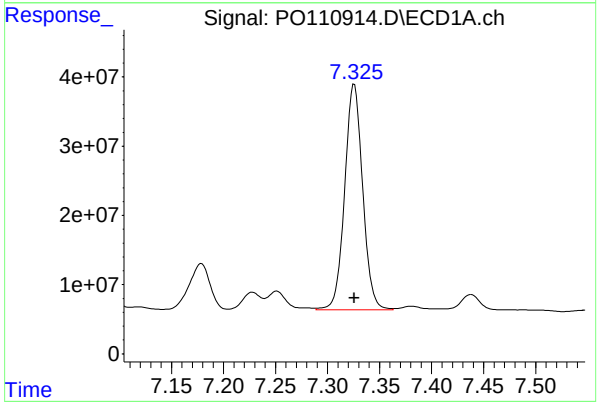
R.T.: 6.823 min
Delta R.T.: 0.000 min
Response: 230210457
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



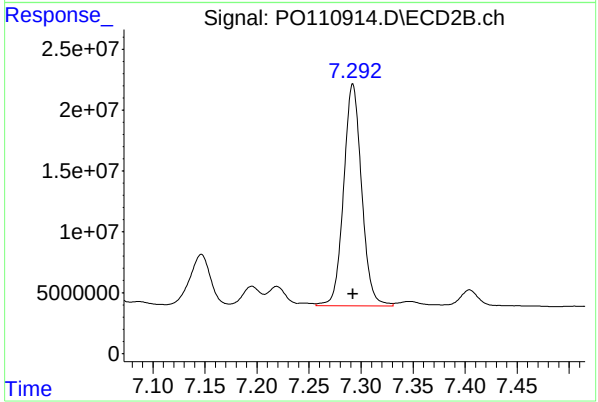
#36 AR-1262-1

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



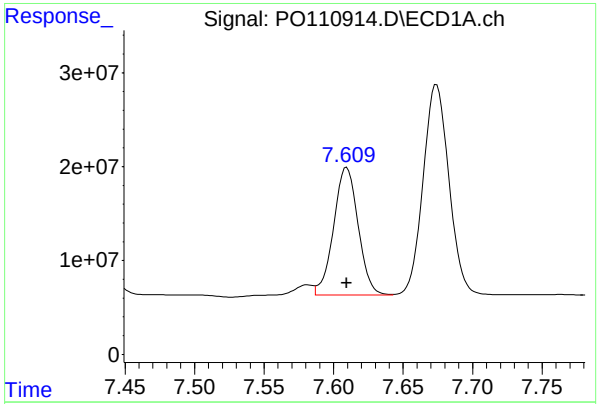
#37 AR-1262-2

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



#37 AR-1262-2

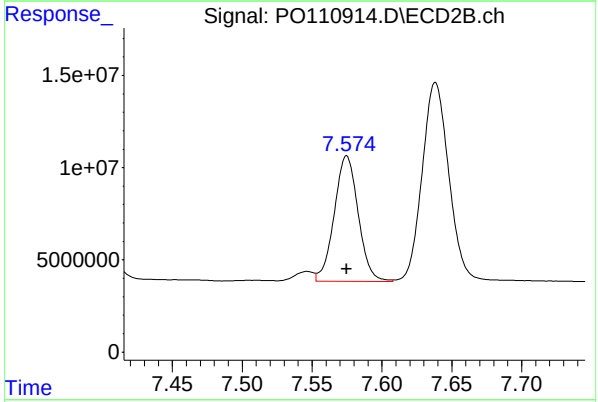
R.T.: 7.292 min
Delta R.T.: 0.000 min
Response: 219654237
Conc: 500.00 ng/ml



#38 AR-1262-3

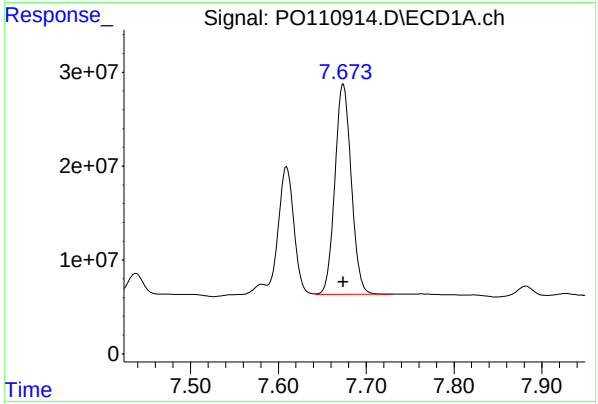
R.T.: 7.609 min
Delta R.T.: 0.000 min
Response: 167038642
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



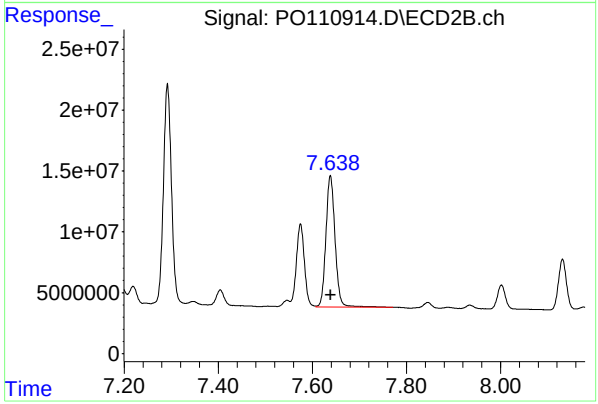
#38 AR-1262-3

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



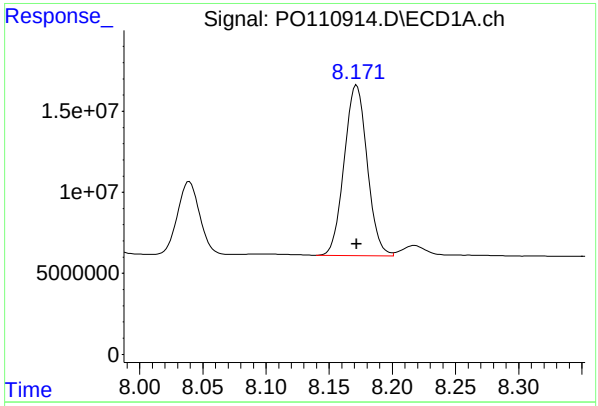
#39 AR-1262-4

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



#39 AR-1262-4

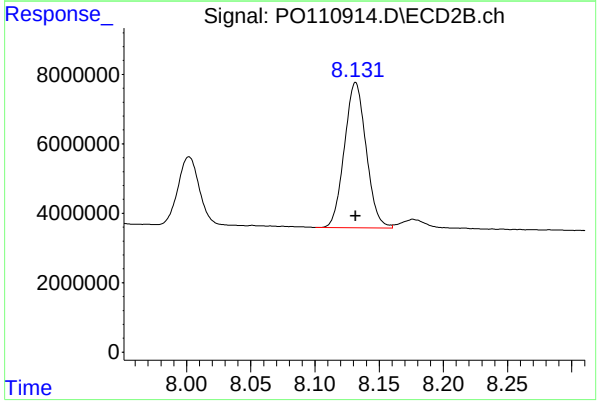
R.T.: 7.638 min
Delta R.T.: 0.000 min
Response: 145564455
Conc: 500.00 ng/ml



#40 AR-1262-5

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

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.681	573.3E6	504.7E6	97.667	98.341
2)	SA Decachlor...	8.729	8.678	966.8E6	272.4E6	96.901	95.710
	Target Compounds						
41)	L9 AR-1268-1	7.612	7.575	896.2E6	431.3E6	975.187	969.139
42)	L9 AR-1268-2	7.677	7.640	817.1E6	393.3E6	974.807	972.186
43)	L9 AR-1268-3	7.884	7.846	700.1E6	288.9E6	970.124	967.772
44)	L9 AR-1268-4	8.172	8.132	290.3E6	105.0E6	966.013	961.948
45)	L9 AR-1268-5	8.470	8.423	2111.4E6	621.1E6	981.067	972.203

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

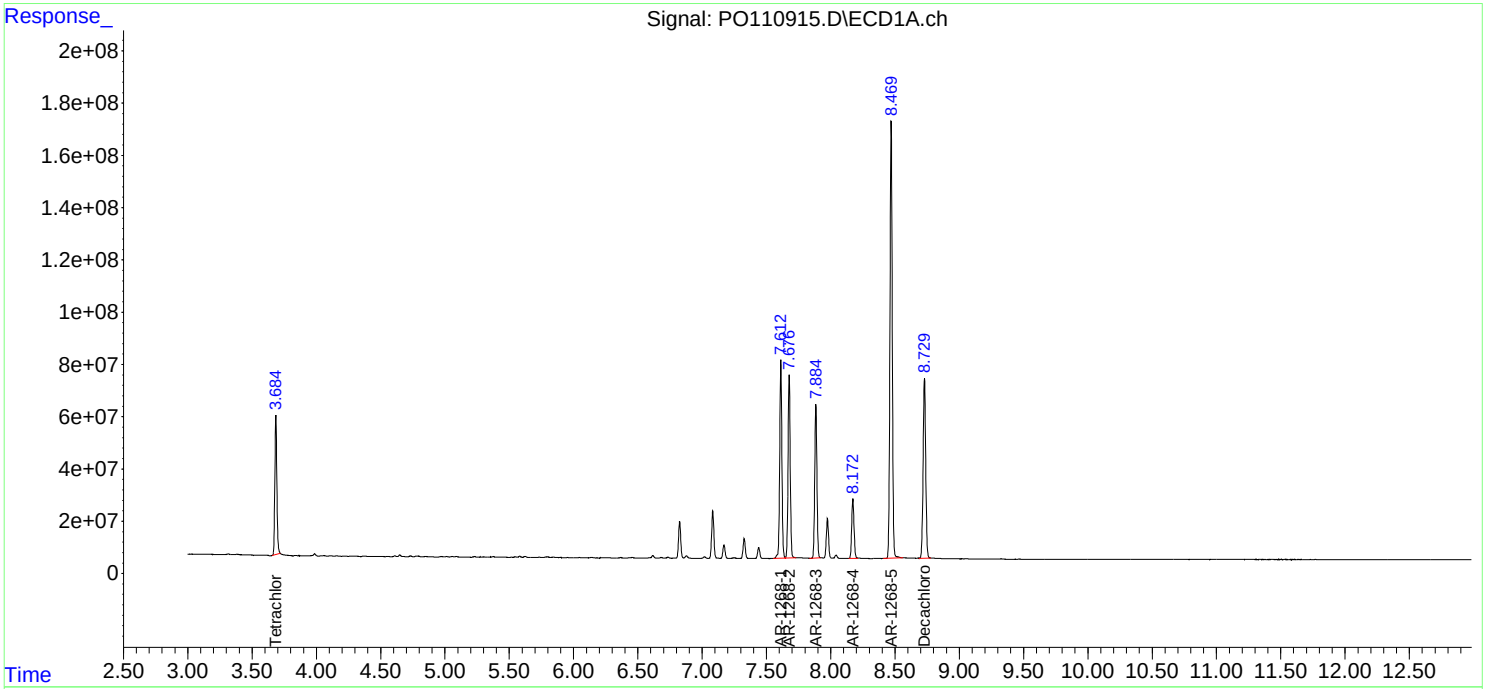
ICAL Form

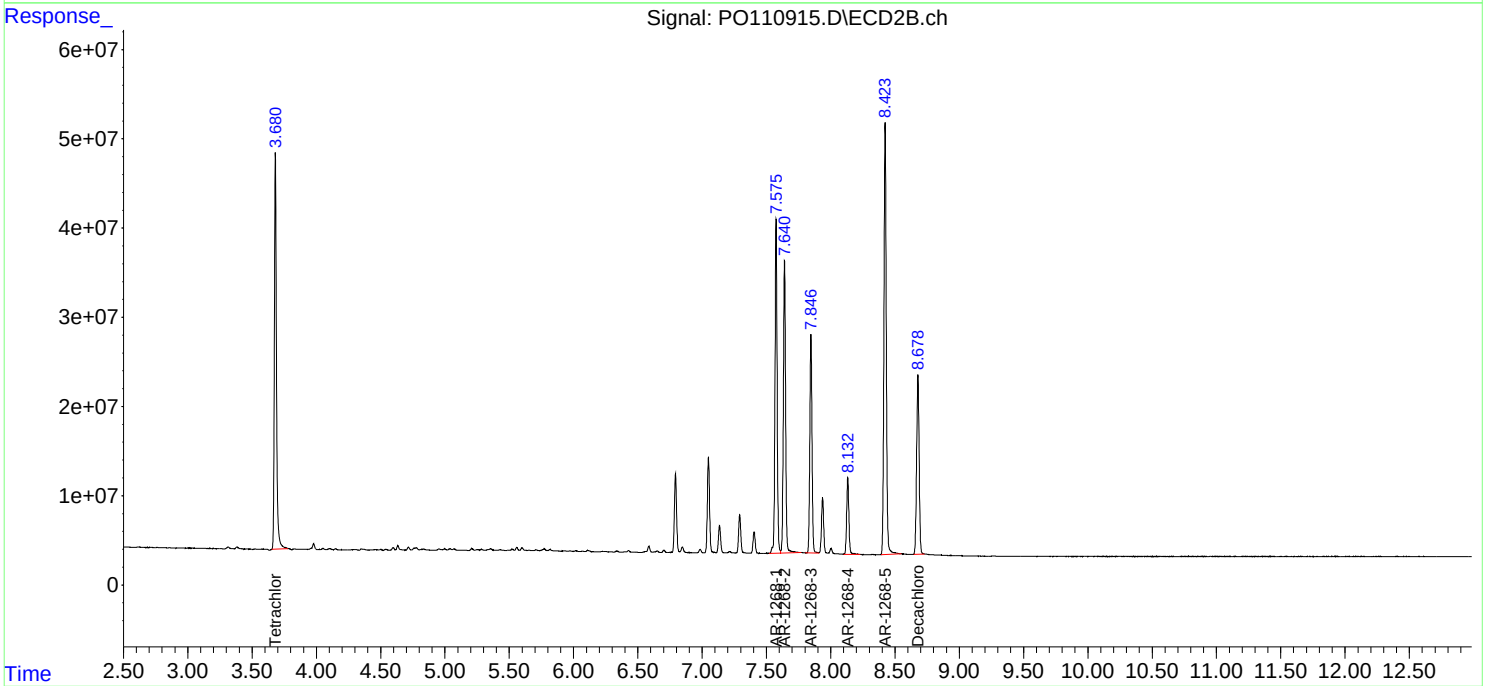
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 17:19
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

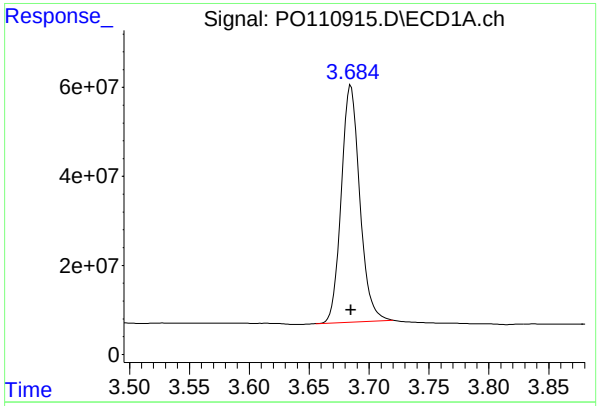
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

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

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



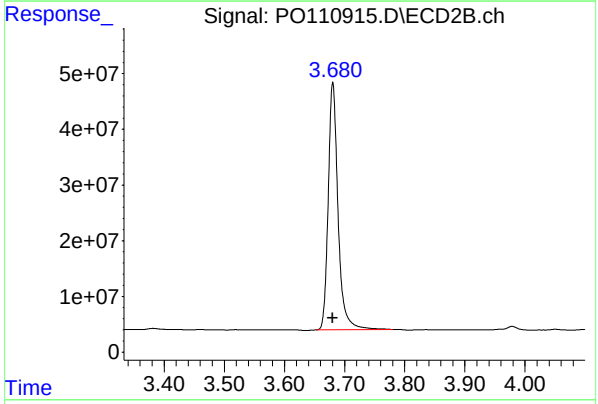




#1 Tetrachloro-m-xylene

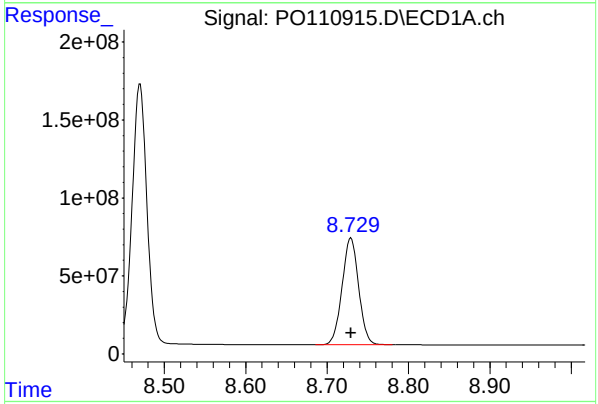
R.T.: 3.685 min
Delta R.T.: 0.000 min
Response: 573309936
Conc: 97.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



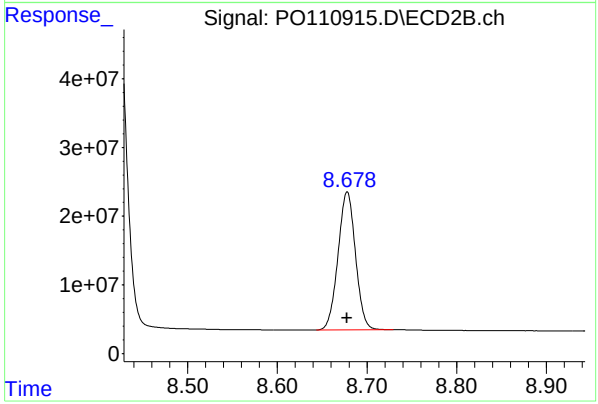
#1 Tetrachloro-m-xylene

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



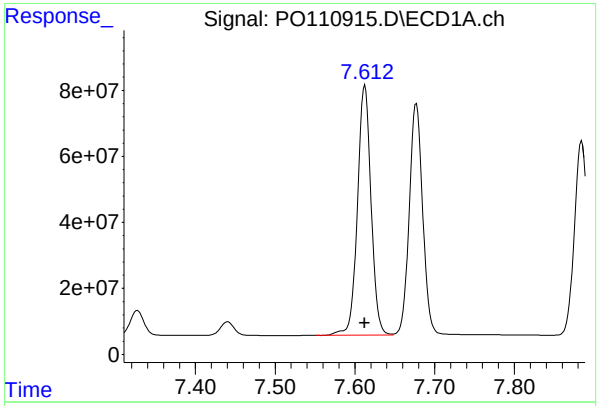
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

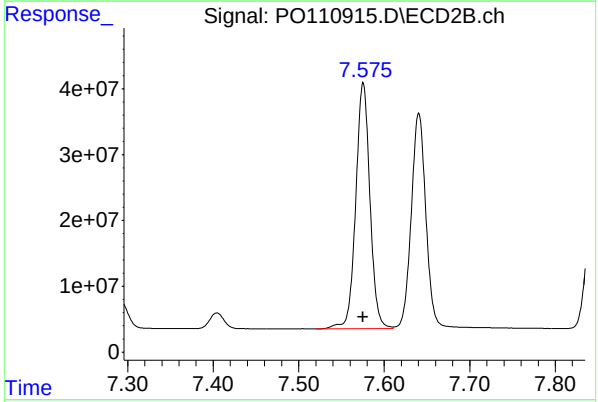
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 272358203
Conc: 95.71 ng/ml



#41 AR-1268-1

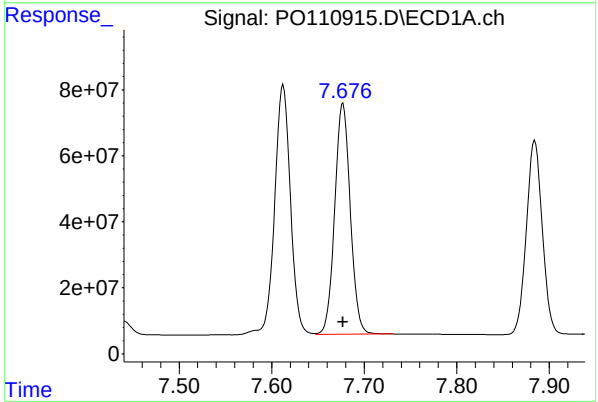
R.T.: 7.612 min
Delta R.T.: 0.000 min
Response: 896153865
Conc: 975.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



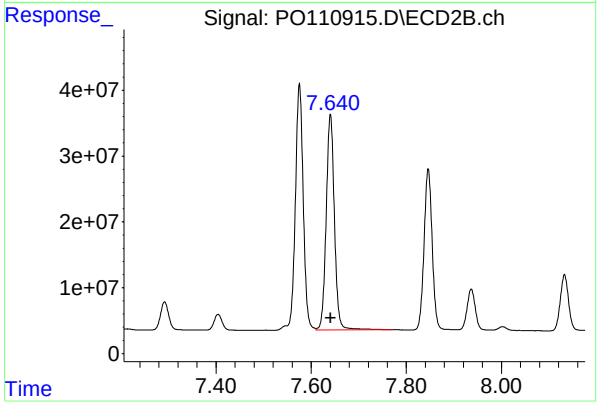
#41 AR-1268-1

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



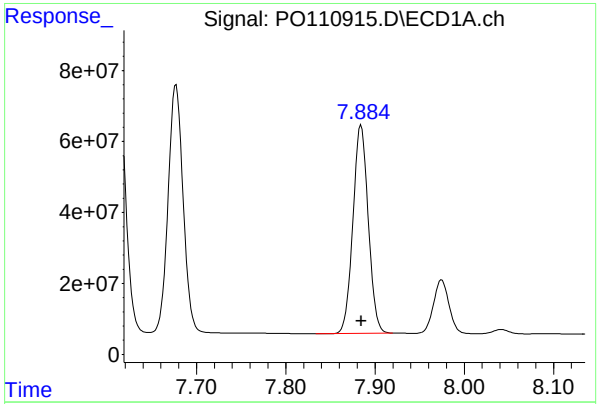
#42 AR-1268-2

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



#42 AR-1268-2

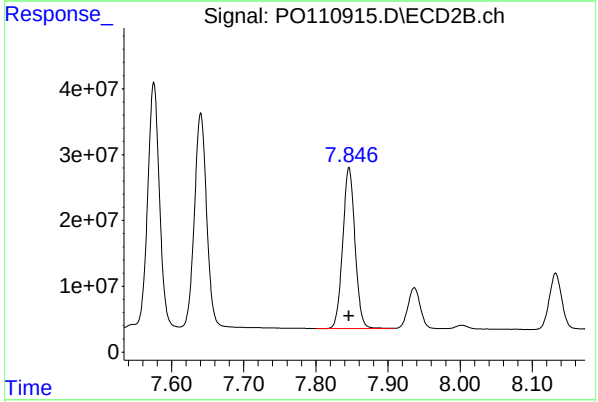
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 393313730
Conc: 972.19 ng/ml



#43 AR-1268-3

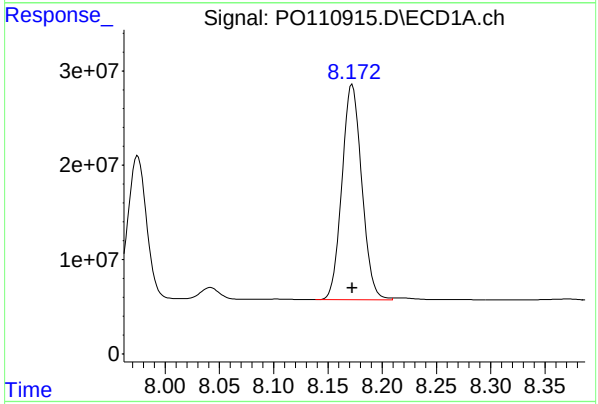
R.T.: 7.884 min
Delta R.T.: 0.000 min
Response: 700056139
Conc: 970.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



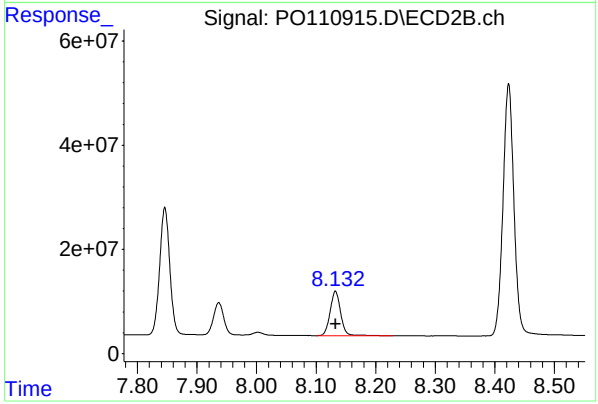
#43 AR-1268-3

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



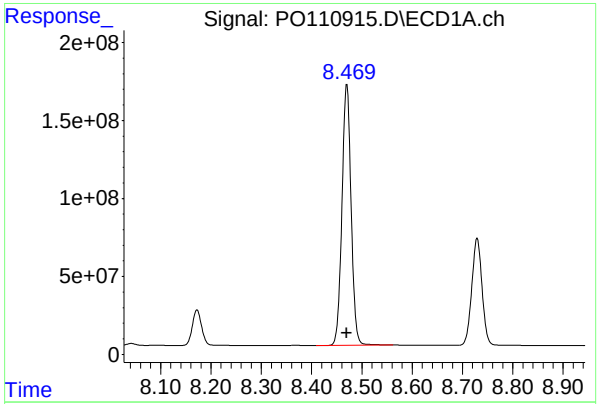
#44 AR-1268-4

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



#44 AR-1268-4

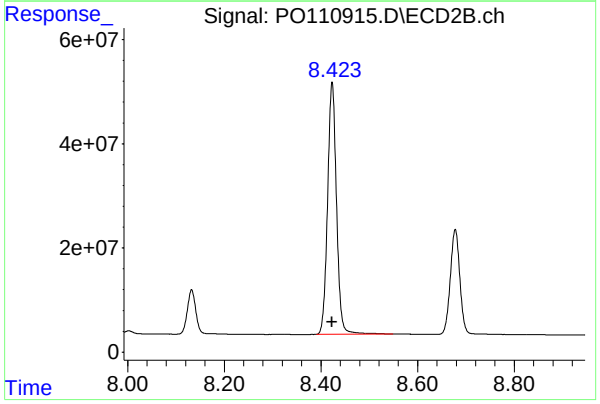
R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 104991080
Conc: 961.95 ng/ml



#45 AR-1268-5

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	446.1E6	390.1E6	75.661	75.663
2)	SA Decachlor...	8.729	8.677	750.0E6	210.9E6	75.114	74.412
	Target Compounds						
41)	L9 AR-1268-1	7.613	7.576	694.6E6	332.6E6	753.911	748.220
42)	L9 AR-1268-2	7.677	7.641	634.0E6	301.9E6	754.209	747.404
43)	L9 AR-1268-3	7.884	7.847	545.3E6	222.6E6	753.734	747.166
44)	L9 AR-1268-4	8.173	8.132	226.0E6	82273644	751.474	752.534
45)	L9 AR-1268-5	8.469	8.424	1623.9E6	474.3E6	753.030	744.937

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

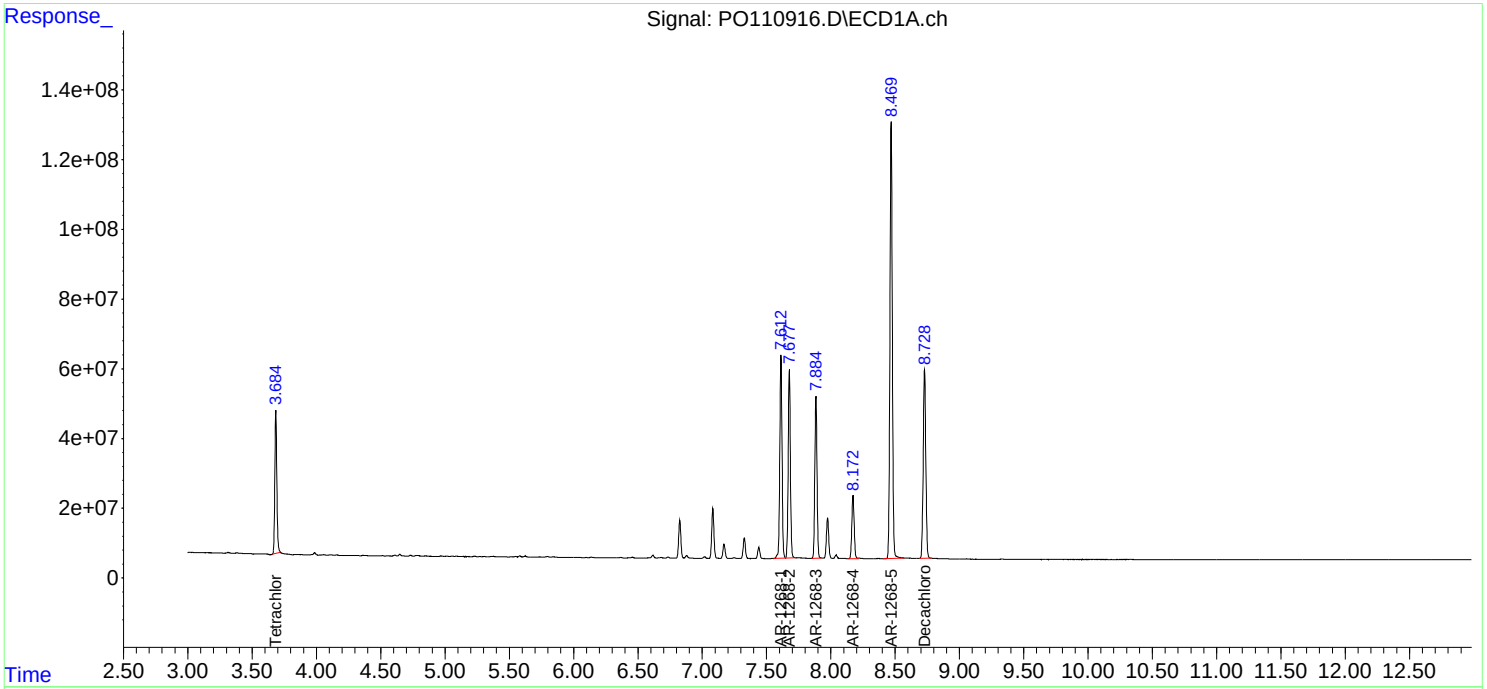
ICAL Form

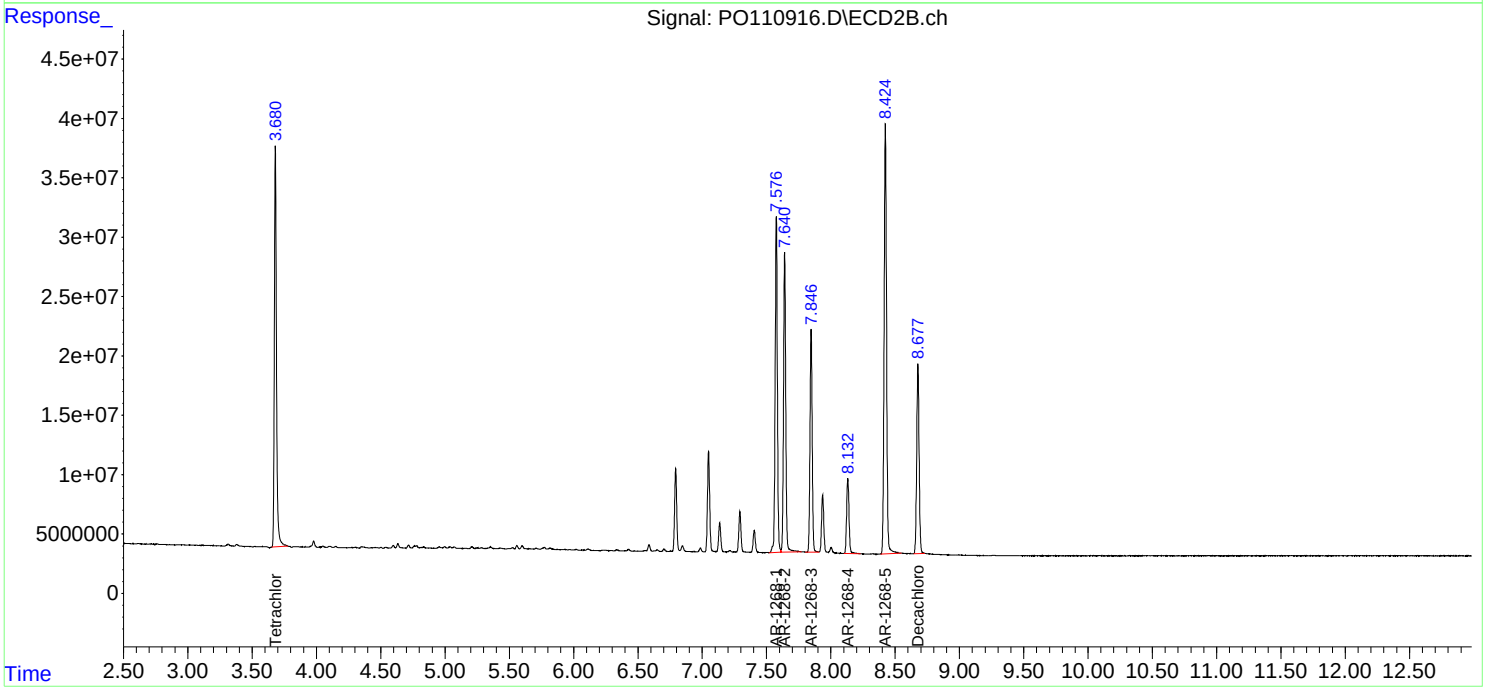
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 17:38
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

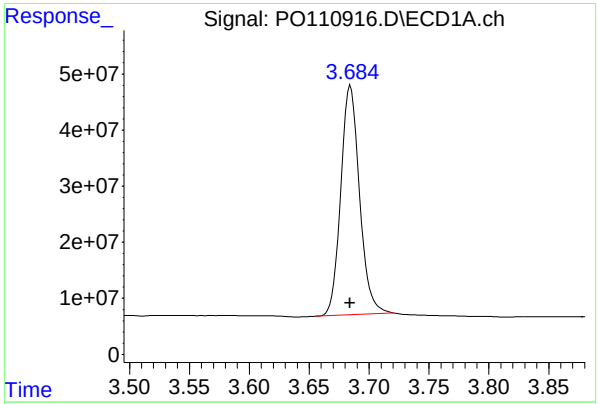
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

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

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



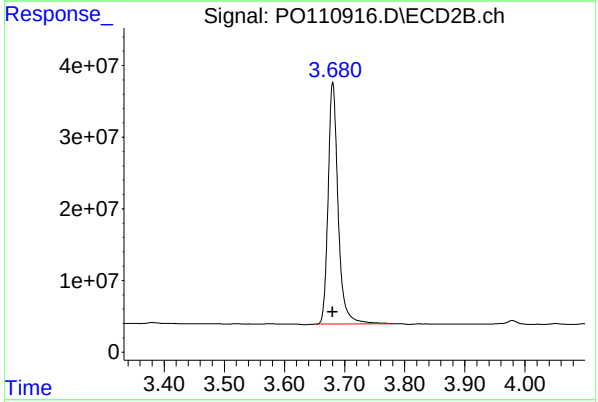




#1 Tetrachloro-m-xylene

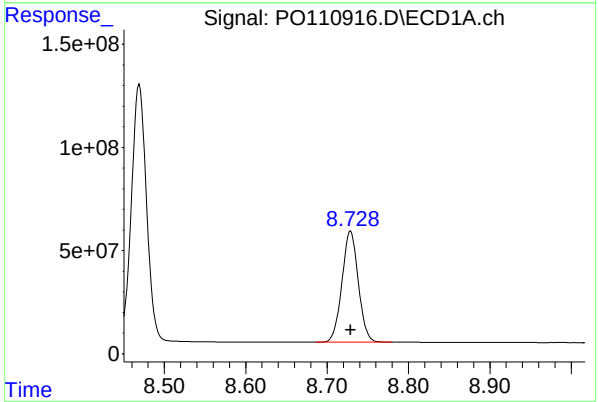
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 446095822
Conc: 75.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



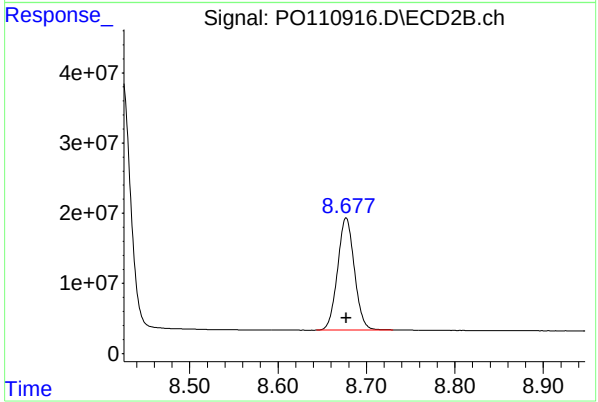
#1 Tetrachloro-m-xylene

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



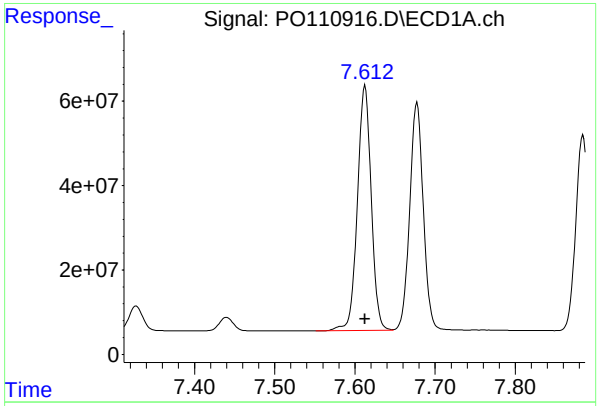
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

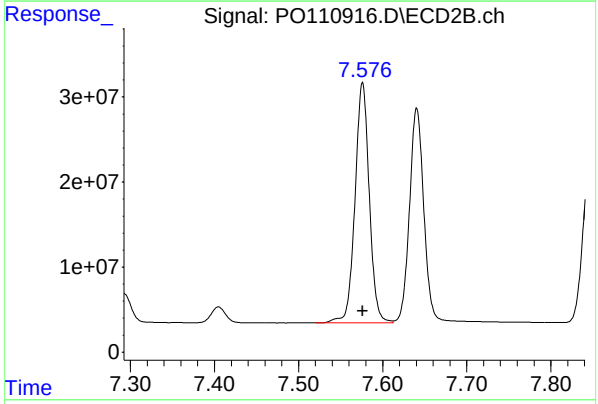
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 210924153
Conc: 74.41 ng/ml



#41 AR-1268-1

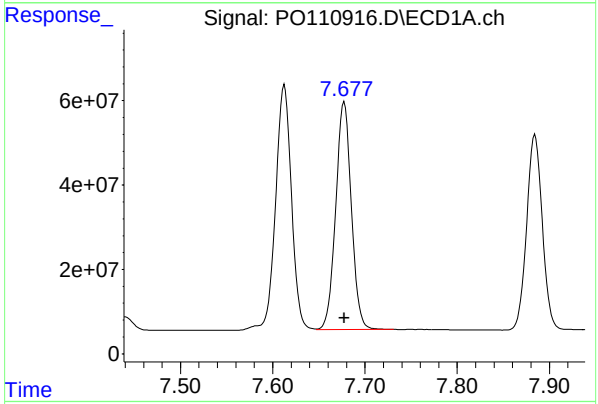
R.T.: 7.613 min
Delta R.T.: 0.000 min
Response: 694621892
Conc: 753.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



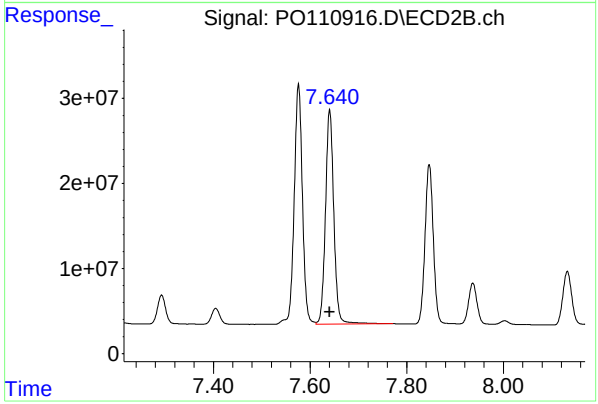
#41 AR-1268-1

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



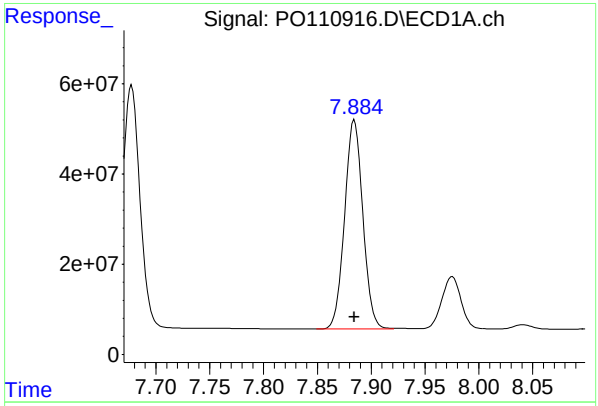
#42 AR-1268-2

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



#42 AR-1268-2

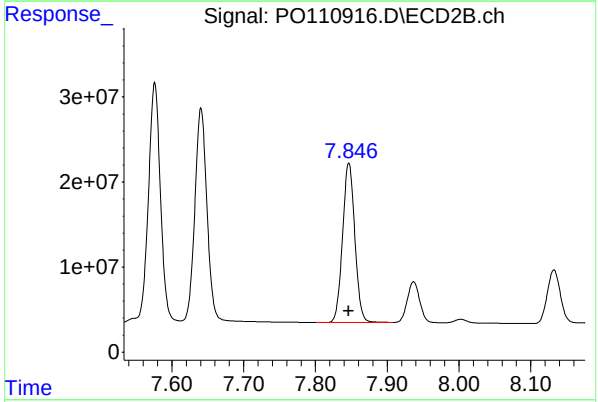
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 301852085
Conc: 747.40 ng/ml



#43 AR-1268-3

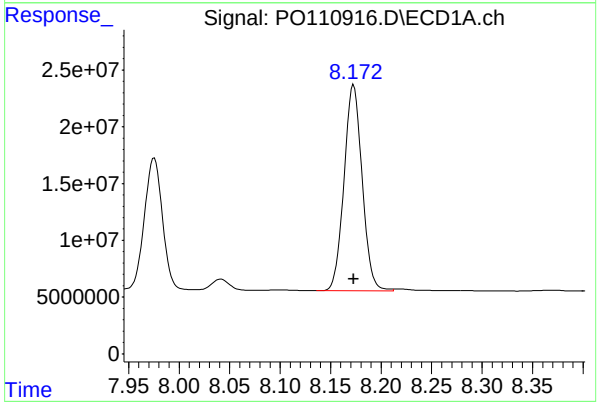
R.T.: 7.884 min
Delta R.T.: 0.000 min
Response: 545262541
Conc: 753.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



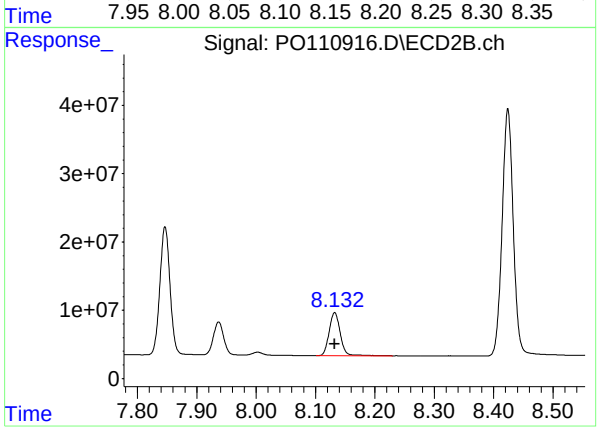
#43 AR-1268-3

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



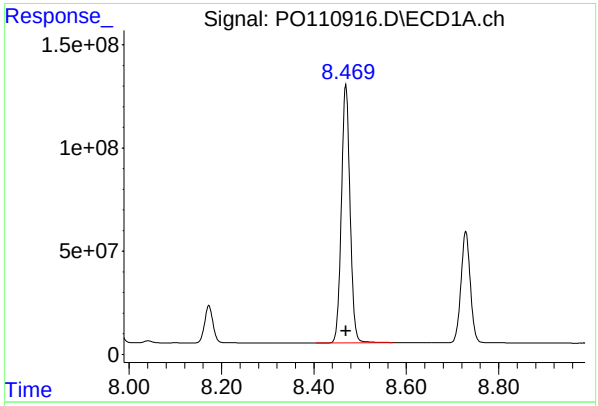
#44 AR-1268-4

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



#44 AR-1268-4

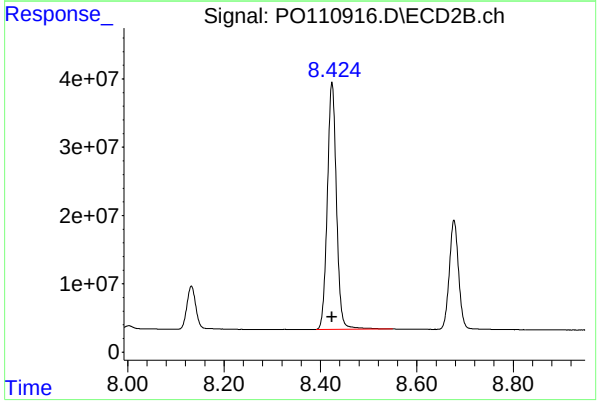
R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 82273644
Conc: 752.53 ng/ml



#45 AR-1268-5

R.T.: 8.469 min
Delta R.T.: 0.000 min
Response: 1623906693
Conc: 753.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.424 min
Delta R.T.: 0.000 min
Response: 474334329
Conc: 744.94 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

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

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

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

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

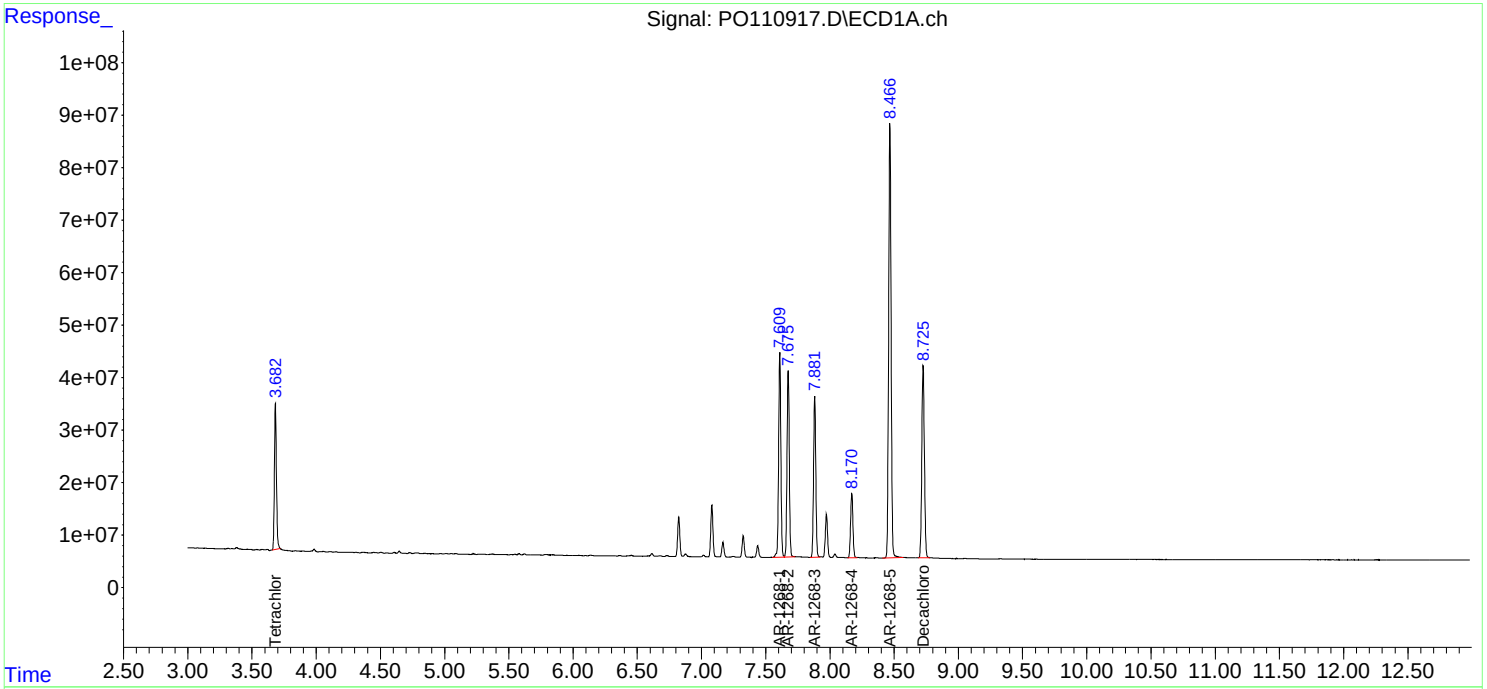
ICAL Form

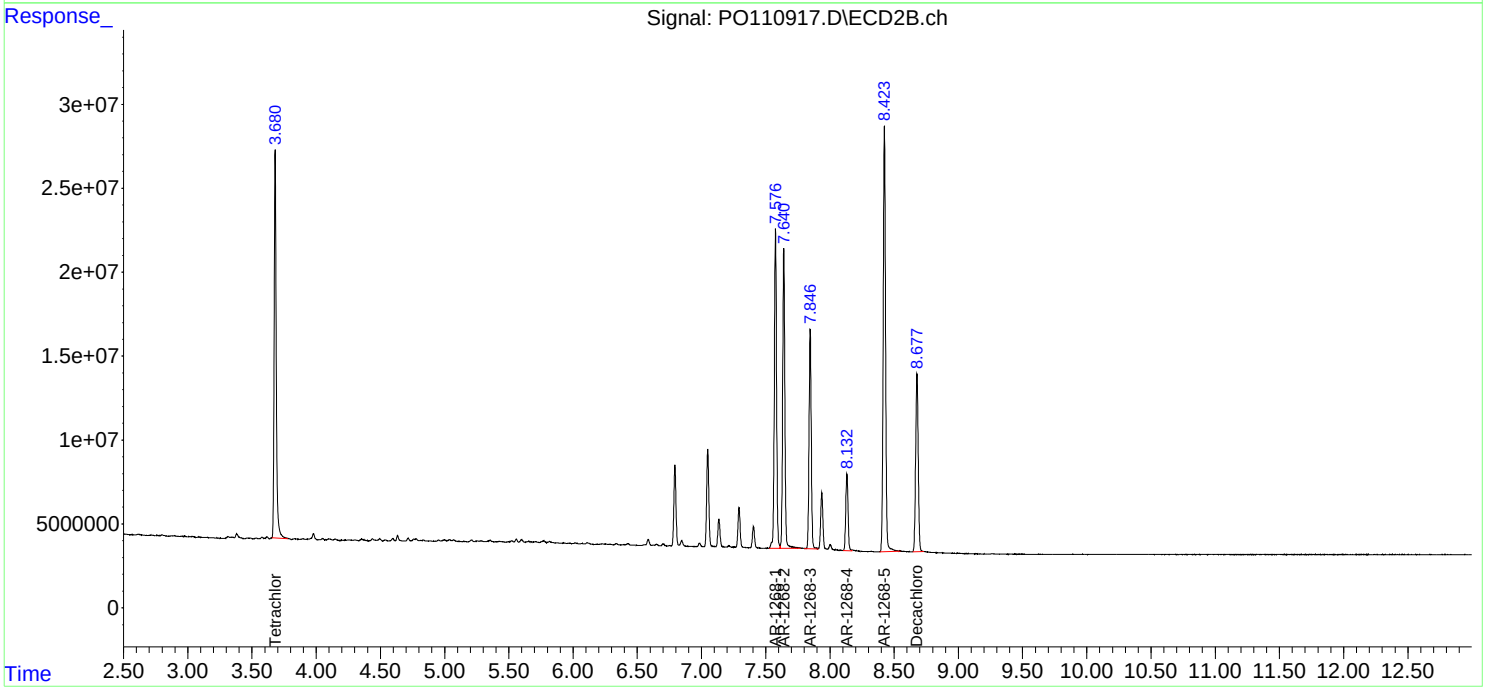
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 17:55
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

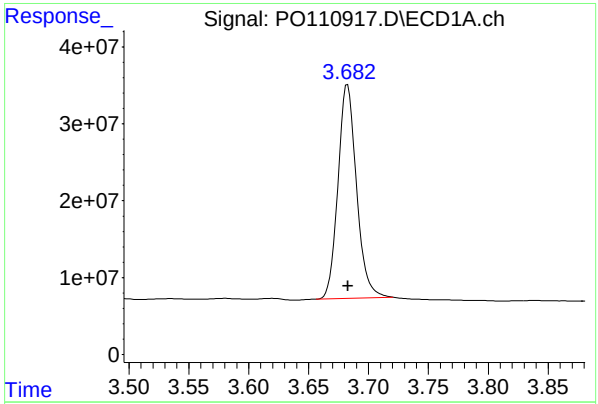
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

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

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



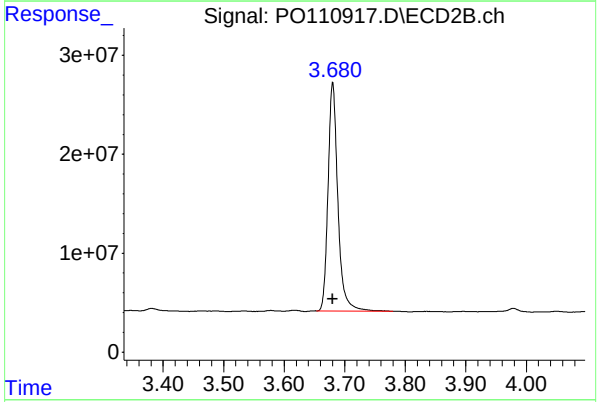




#1 Tetrachloro-m-xylene

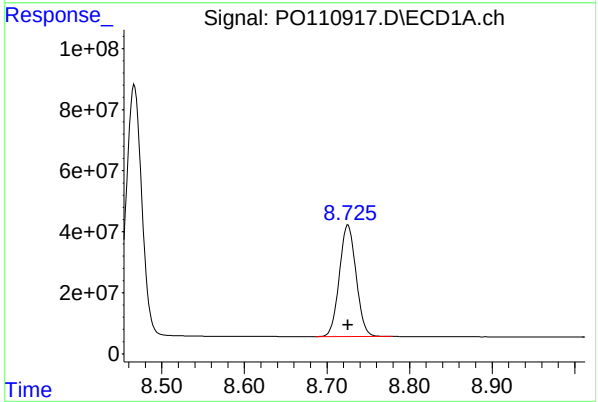
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 300348337
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



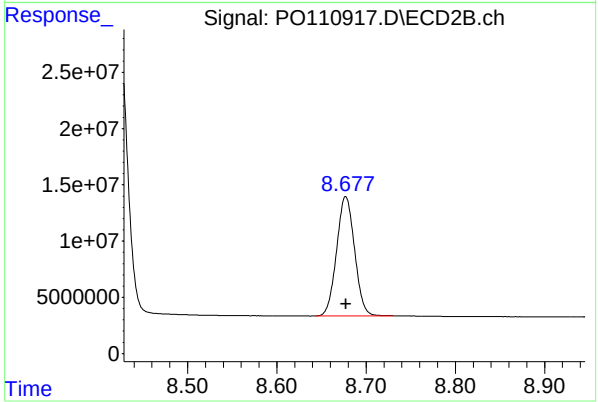
#1 Tetrachloro-m-xylene

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



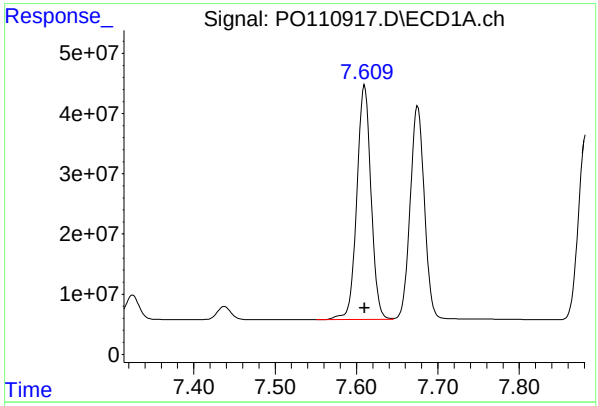
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

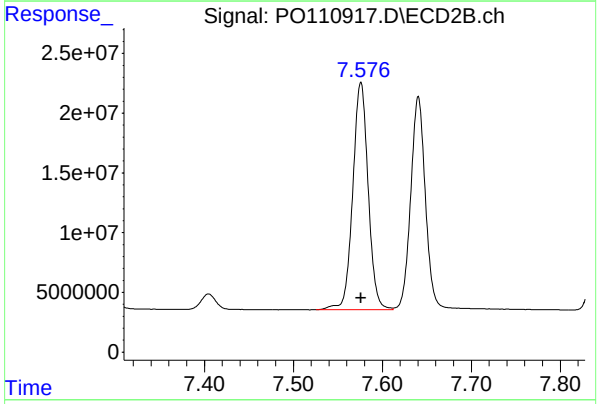
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 148386974
Conc: 50.00 ng/ml



#41 AR-1268-1

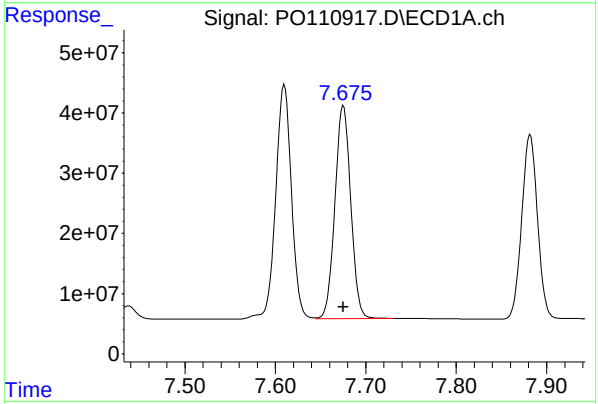
R.T.: 7.610 min
Delta R.T.: 0.000 min
Response: 470879391
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



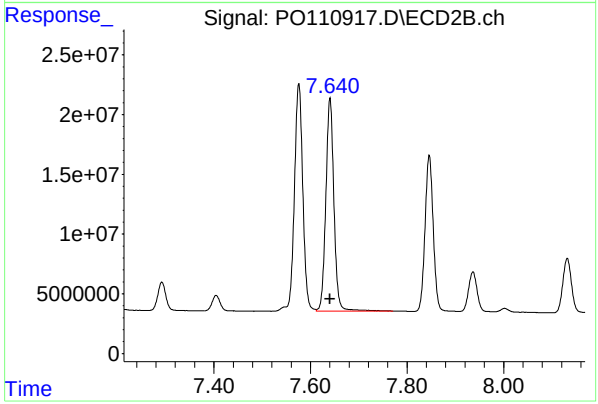
#41 AR-1268-1

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



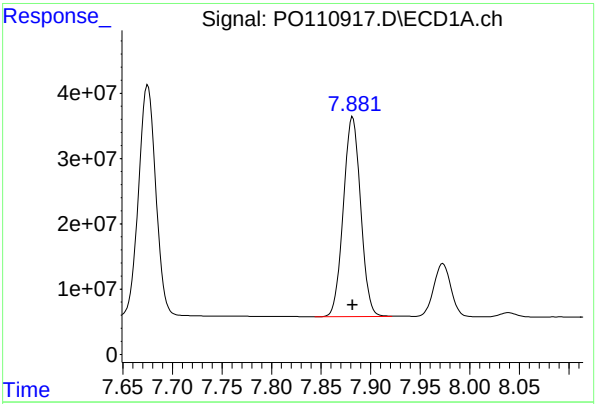
#42 AR-1268-2

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



#42 AR-1268-2

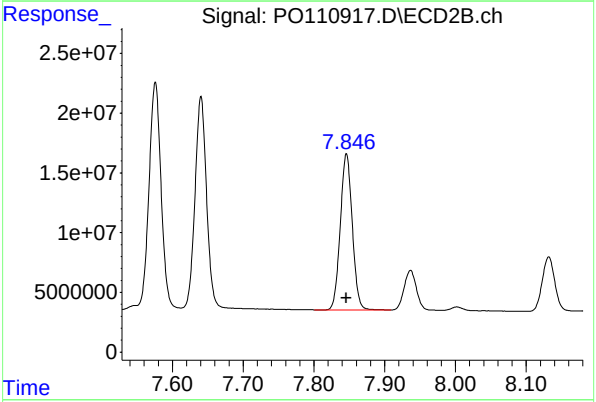
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 207909609
Conc: 500.00 ng/ml



#43 AR-1268-3

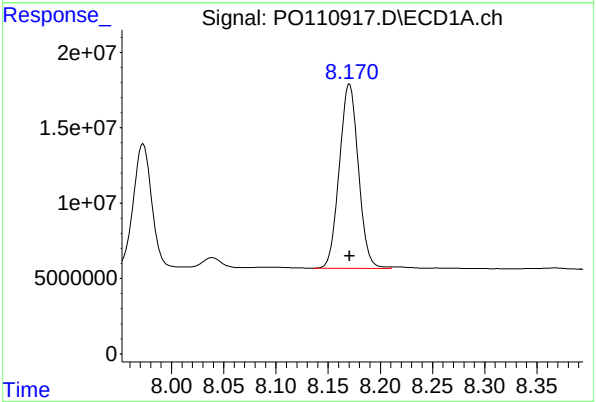
R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 371586702
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



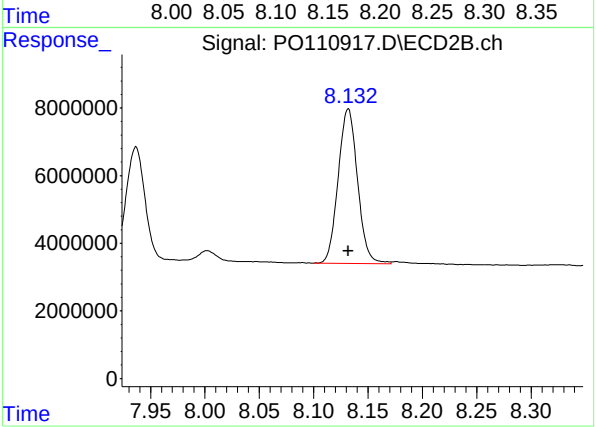
#43 AR-1268-3

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



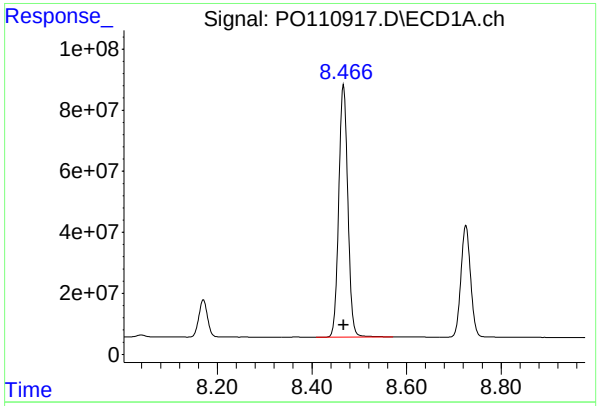
#44 AR-1268-4

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



#44 AR-1268-4

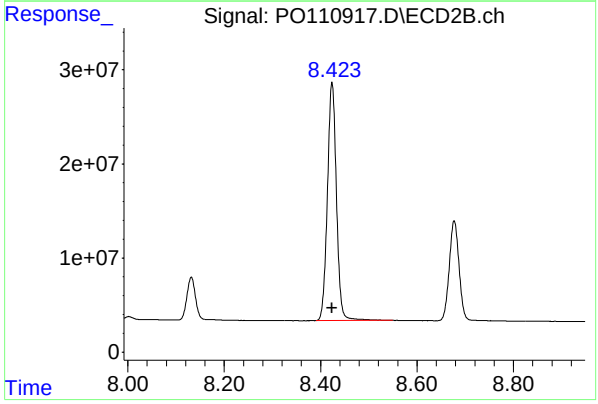
R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 56648660
Conc: 500.00 ng/ml



#45 AR-1268-5

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

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

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

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

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

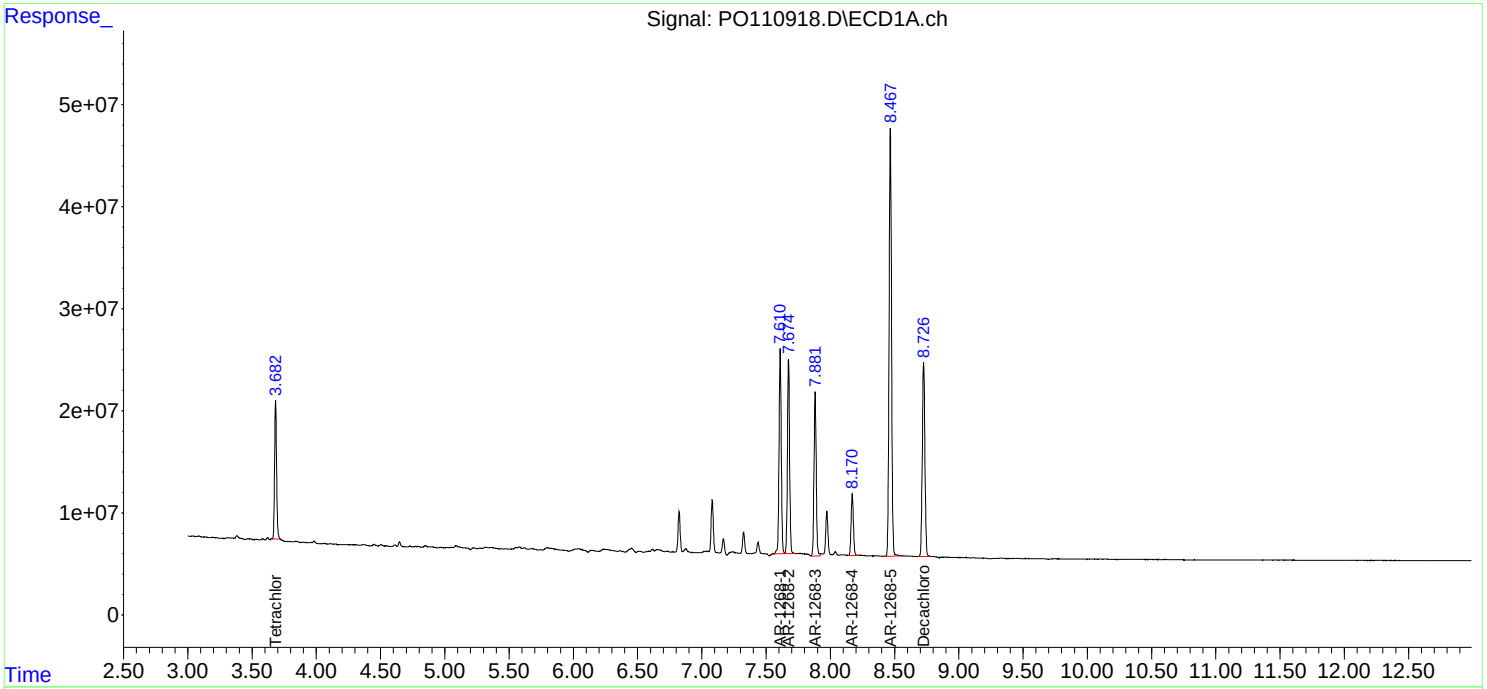
ICAL Form

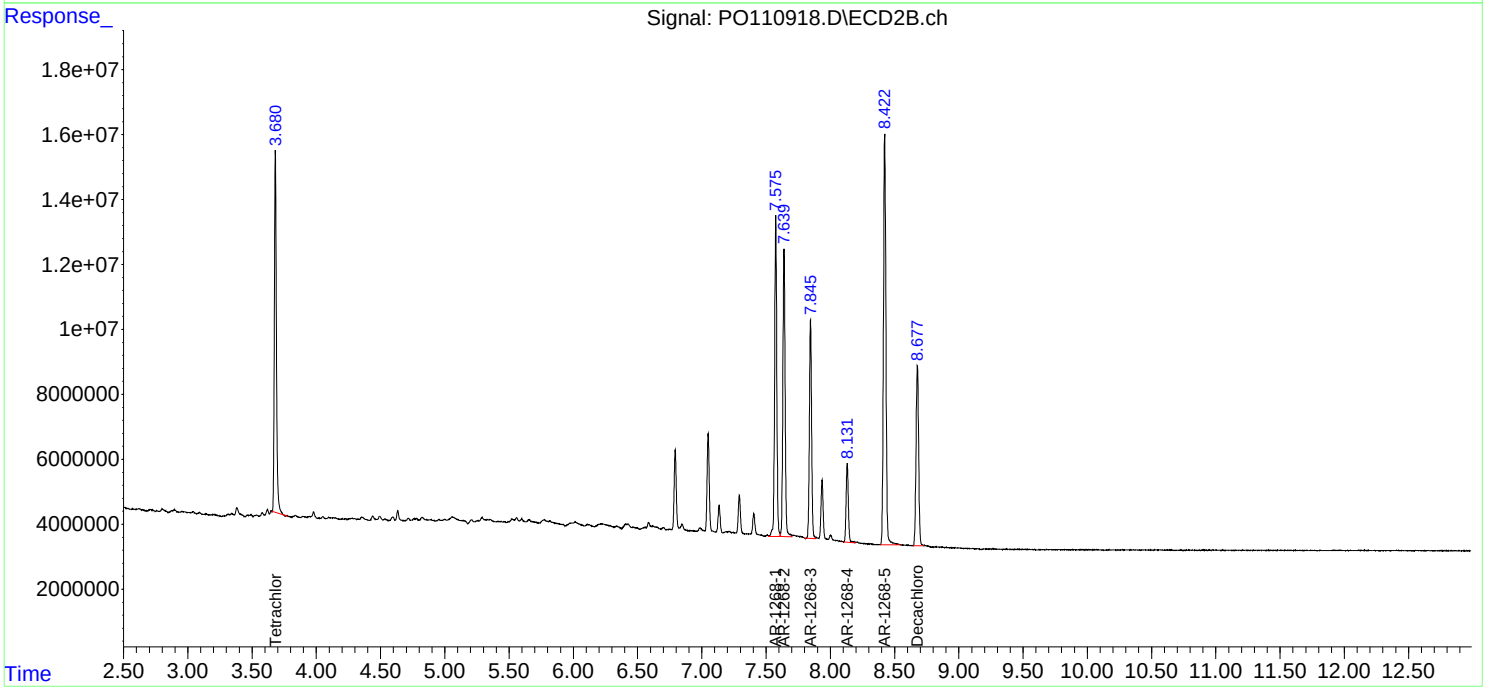
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 18:12
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

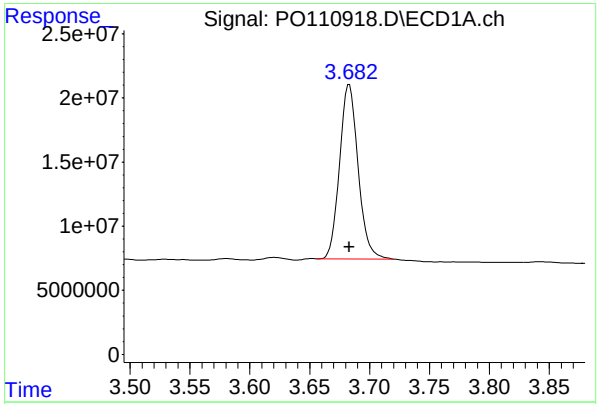
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

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

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



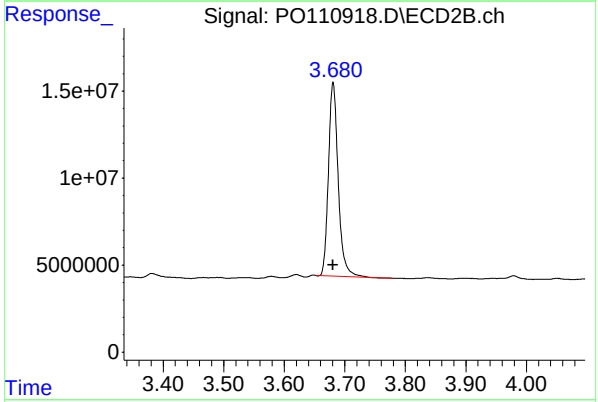




#1 Tetrachloro-m-xylene

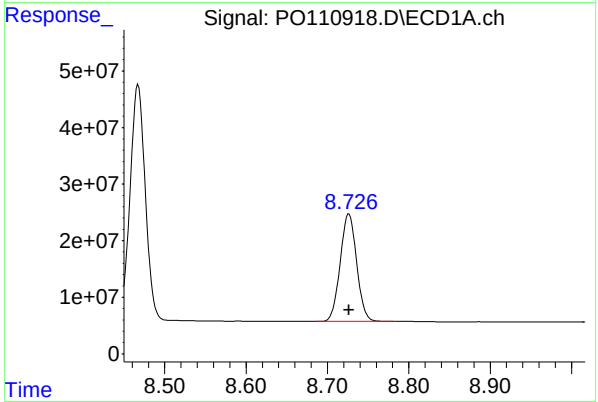
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 146427886
Conc: 24.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



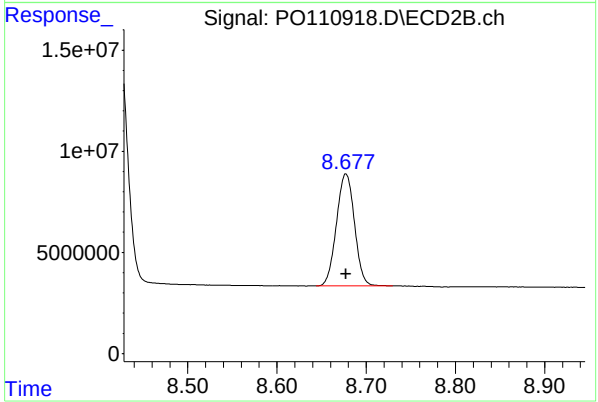
#1 Tetrachloro-m-xylene

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



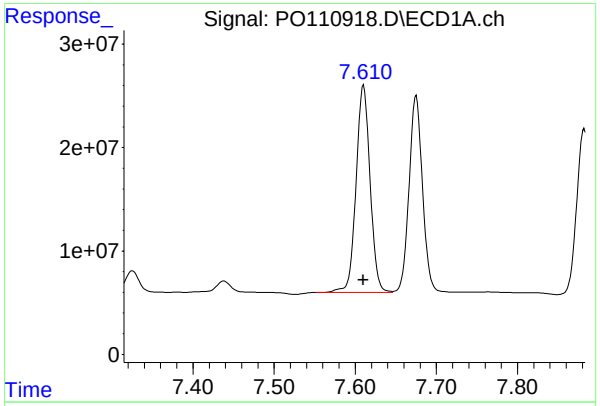
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

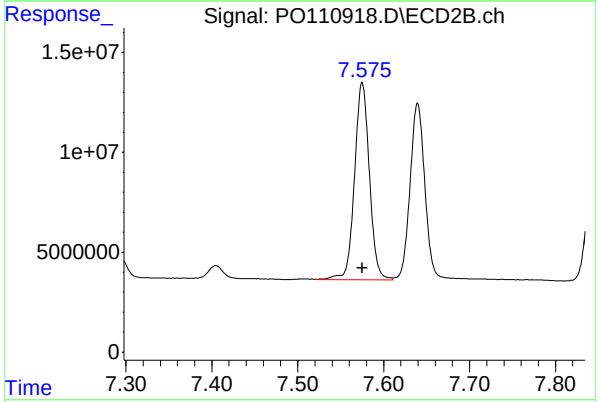
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 77807923
Conc: 26.79 ng/ml



#41 AR-1268-1

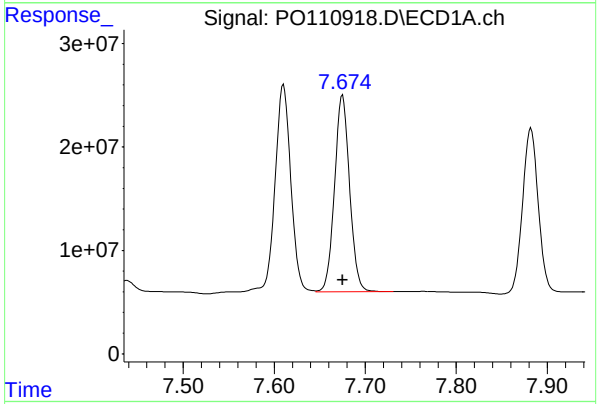
R.T.: 7.610 min
Delta R.T.: 0.000 min
Response: 240505166
Conc: 258.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



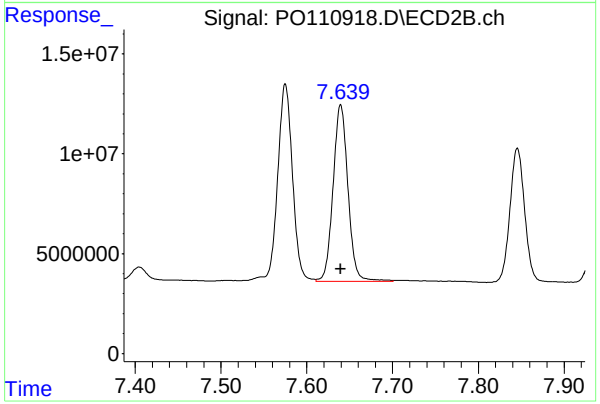
#41 AR-1268-1

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



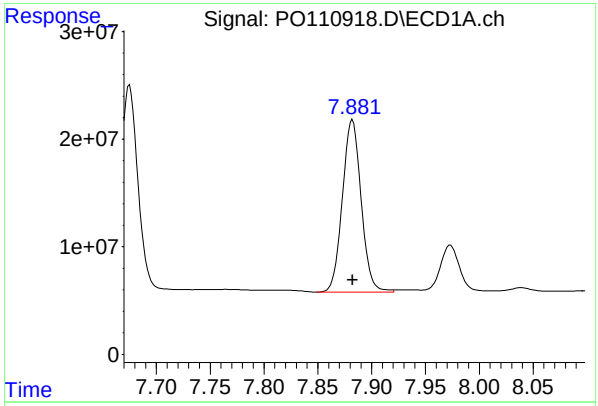
#42 AR-1268-2

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



#42 AR-1268-2

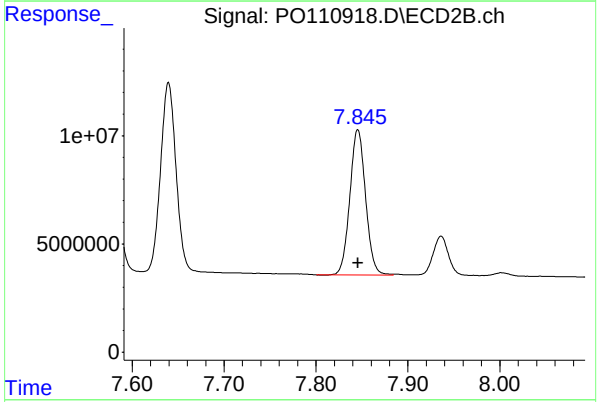
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 106362195
Conc: 259.89 ng/ml



#43 AR-1268-3

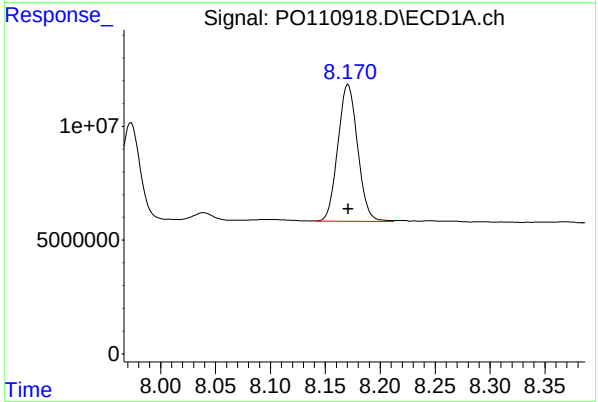
R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 194257301
Conc: 263.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



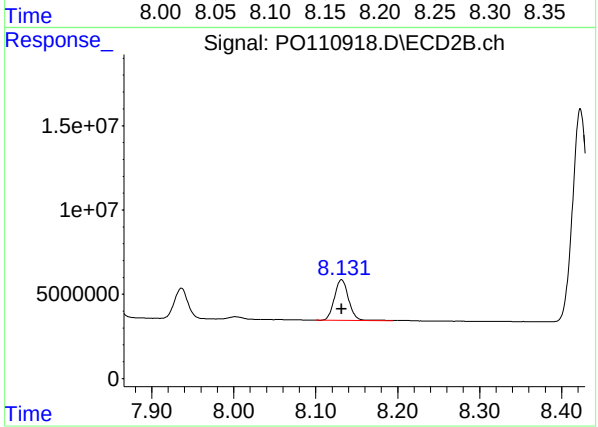
#43 AR-1268-3

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



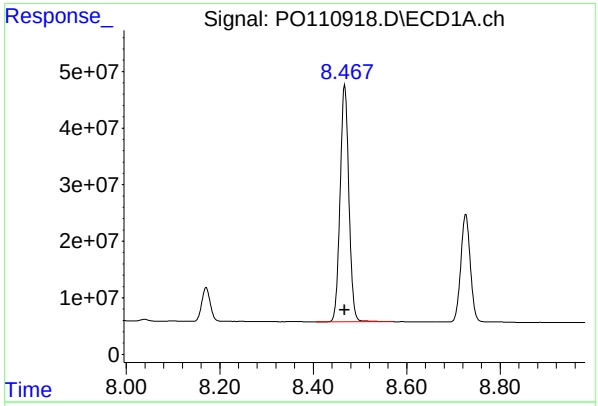
#44 AR-1268-4

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



#44 AR-1268-4

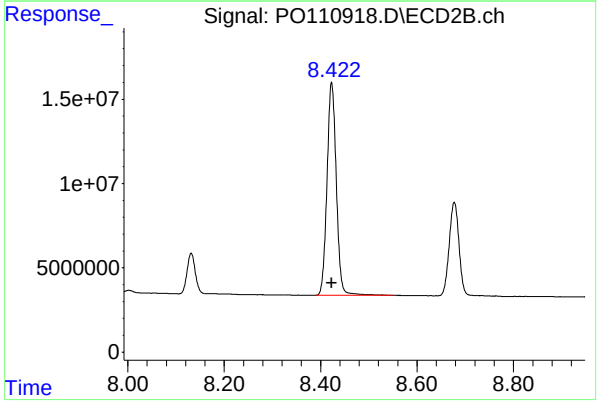
R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 29234654
Conc: 262.83 ng/ml



#45 AR-1268-5

R.T.: 8.467 min
Delta R.T.: 0.000 min
Response: 547981319
Conc: 253.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.423 min
Delta R.T.: 0.000 min
Response: 168768327
Conc: 261.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

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

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

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

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

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

ICAL Form

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

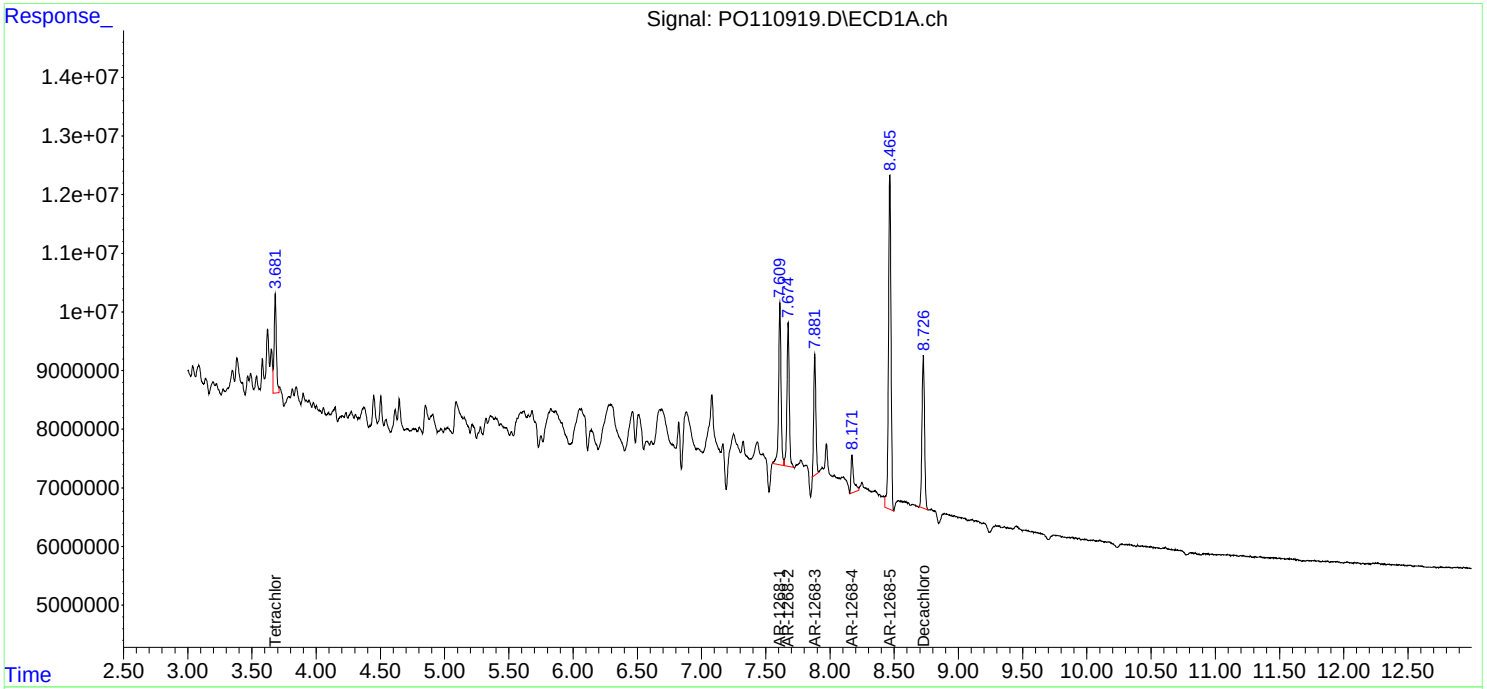
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

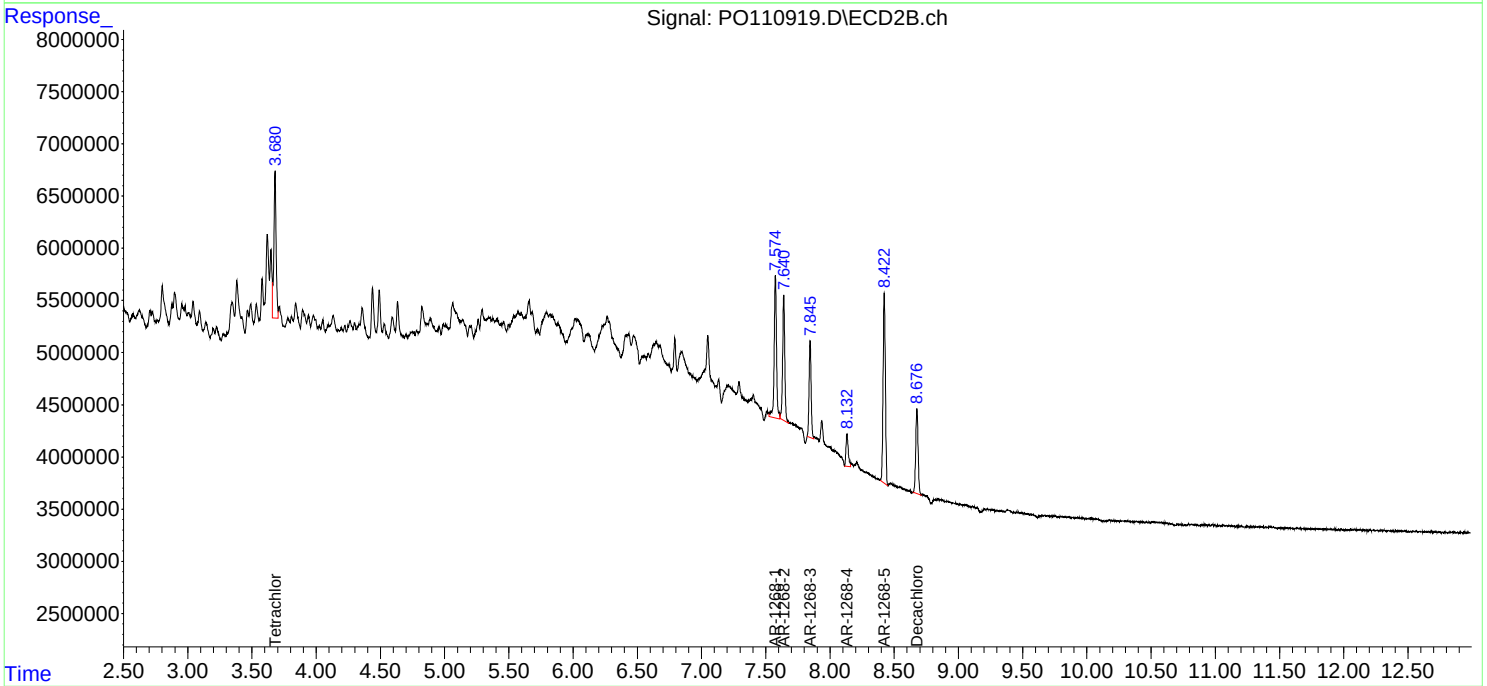
Manual Integrations APPROVED

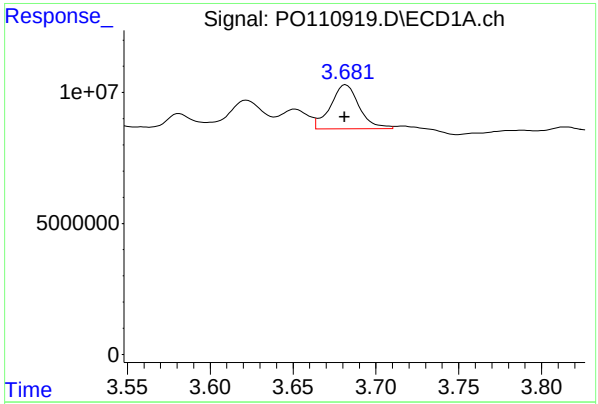
Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025

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

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







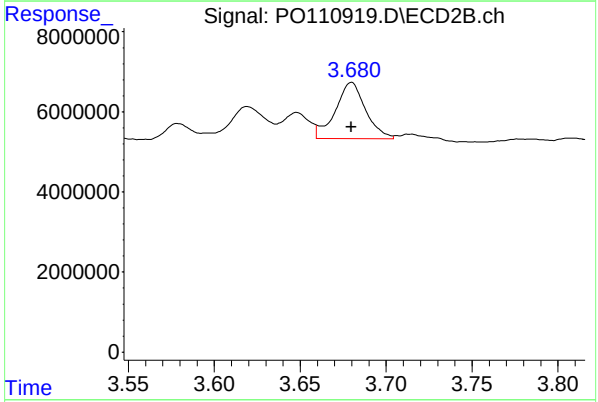
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

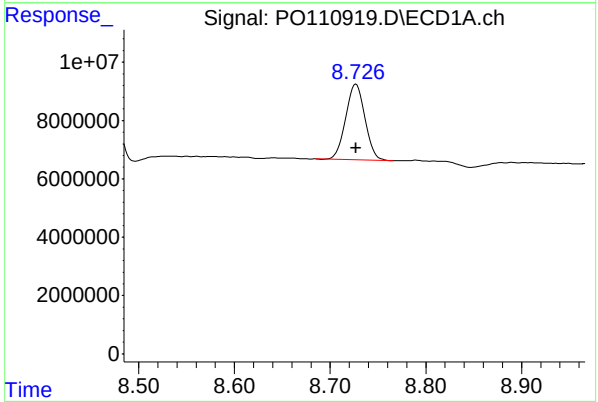
Manual Integrations APPROVED

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



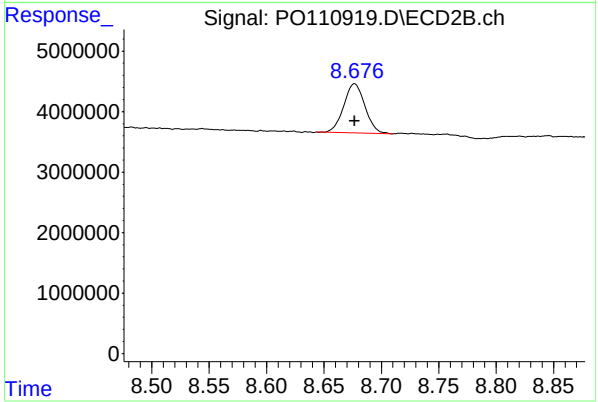
#1 Tetrachloro-m-xylene

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



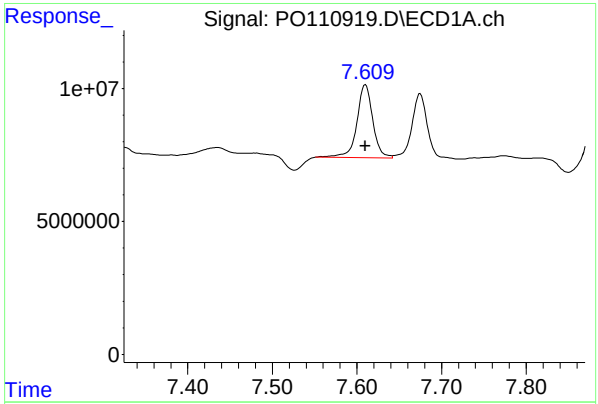
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



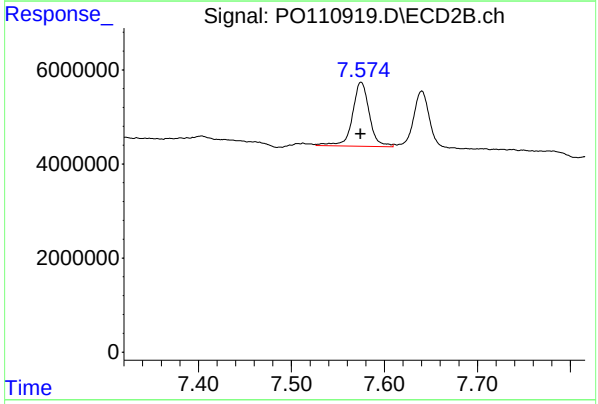
#41 AR-1268-1

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

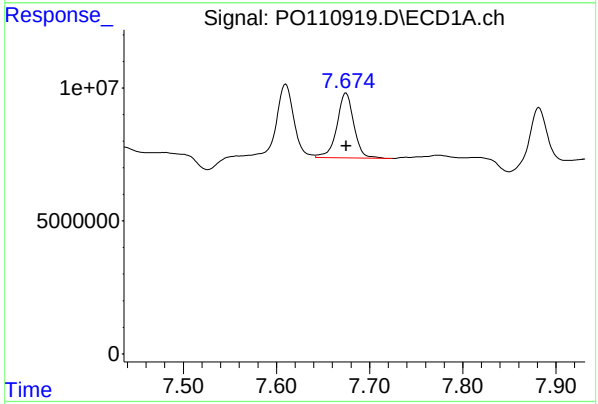
Manual Integrations APPROVED

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



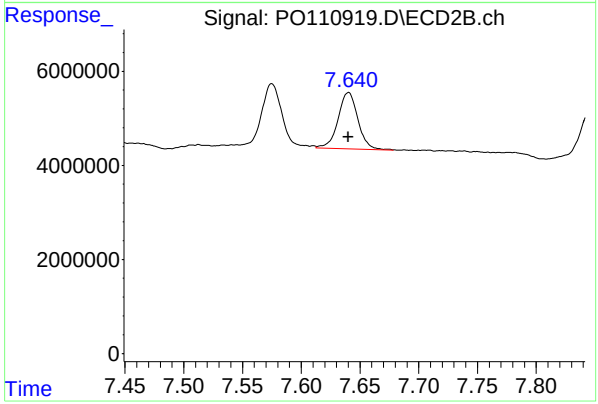
#41 AR-1268-1

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



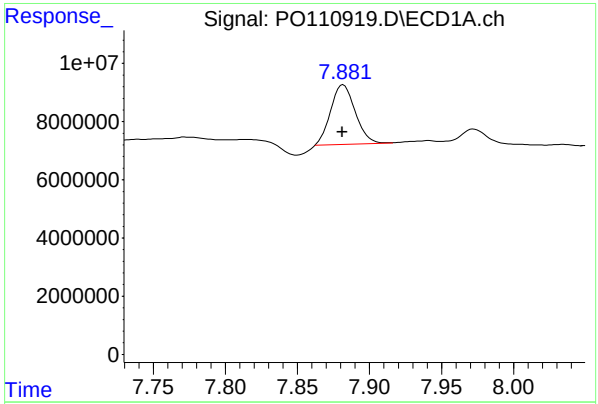
#42 AR-1268-2

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



#42 AR-1268-2

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



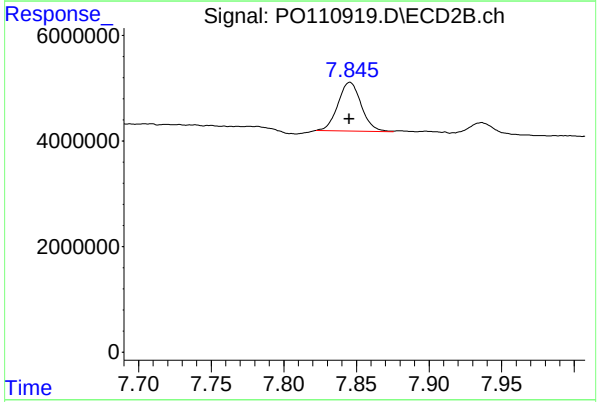
#43 AR-1268-3

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

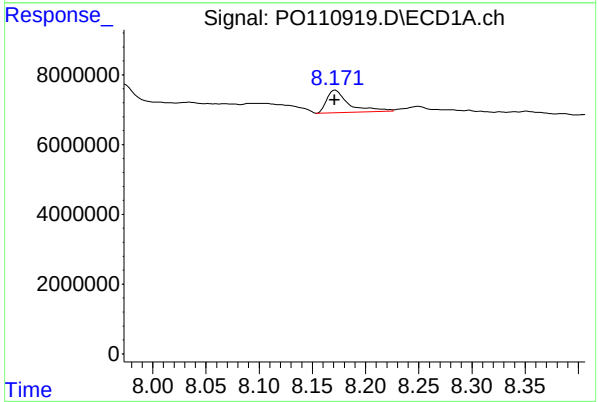
Manual Integrations APPROVED

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



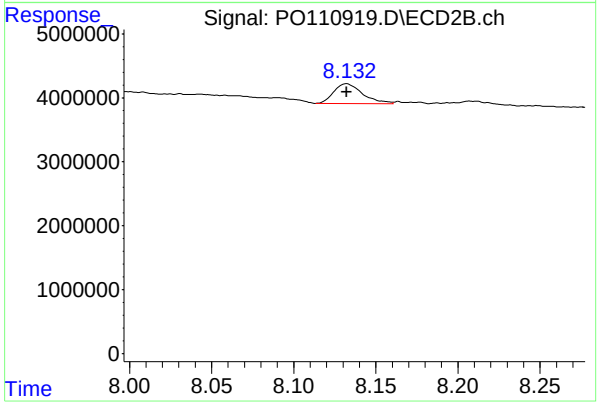
#43 AR-1268-3

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



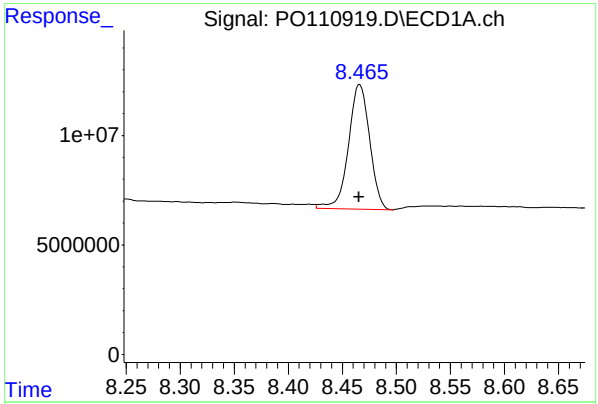
#44 AR-1268-4

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



#44 AR-1268-4

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



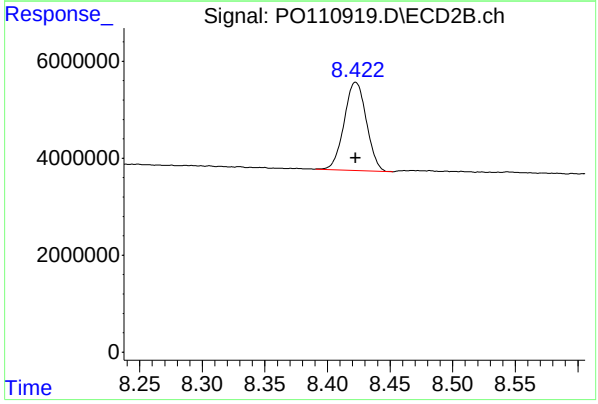
#45 AR-1268-5

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

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



#45 AR-1268-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
ICVPO050225

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.681	281.4E6	255.7E6	49.188	52.794
2)	SA Decachlor...	8.727	8.677	298.1E6	90047991	48.857	53.370
	Target Compounds						
3)	L1 AR-1016-1	4.775	4.760	101.1E6	78573769	457.621	494.556
4)	L1 AR-1016-2	4.794	4.779	144.3E6	115.3E6	465.207	504.591
5)	L1 AR-1016-3	4.850	4.954	99363212	61135690	434.466	501.375
6)	L1 AR-1016-4	4.971	4.996	77211458	50429013	461.811	500.481
7)	L1 AR-1016-5	5.228	5.209	81367871	64778155	456.895	492.974
31)	L7 AR-1260-1	6.268	6.241	146.2E6	107.2E6	439.521	485.529
32)	L7 AR-1260-2	6.457	6.428	182.8E6	125.5E6	440.653	488.021
33)	L7 AR-1260-3	6.825	6.581	166.1E6	115.9E6	471.443	497.089
34)	L7 AR-1260-4	7.085	7.051	140.2E6	90613038	460.727	497.612
35)	L7 AR-1260-5	7.327	7.293	343.3E6	198.4E6	467.465	504.598

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

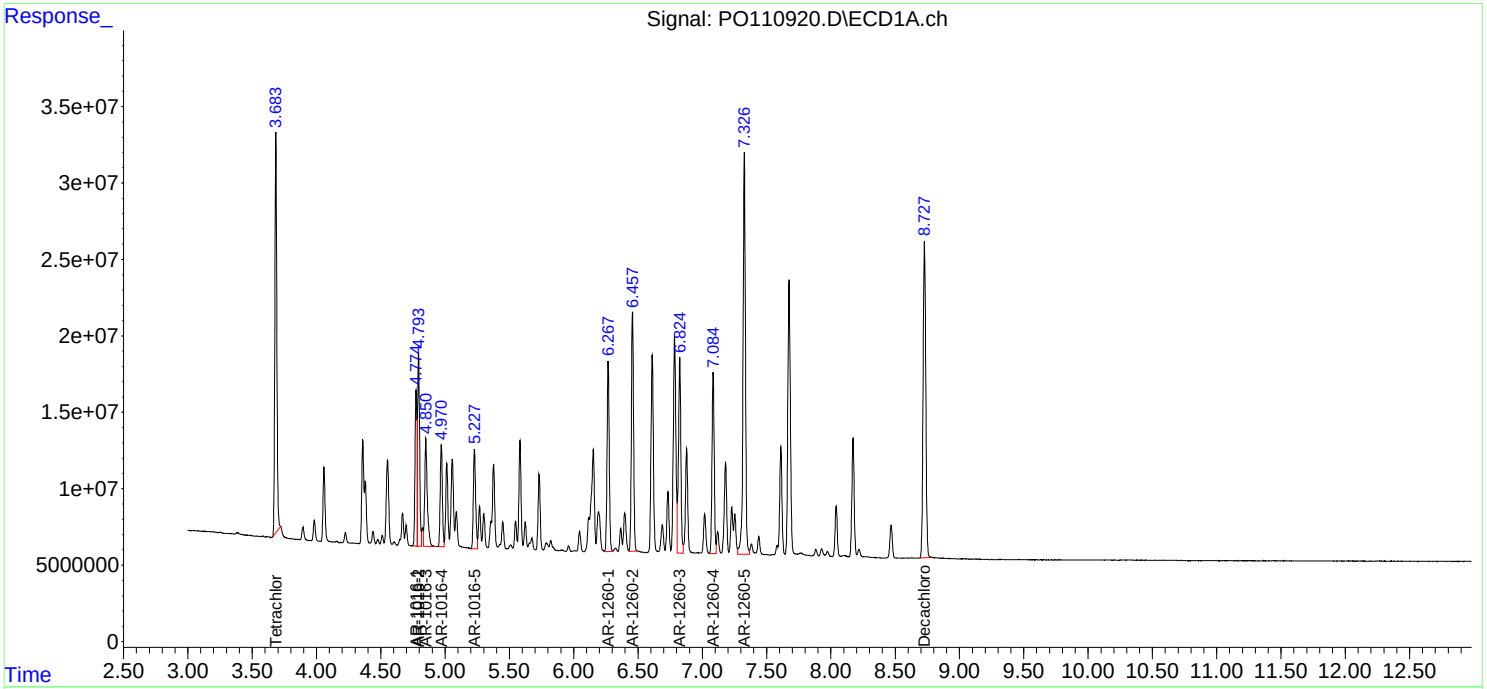
ICAL Form

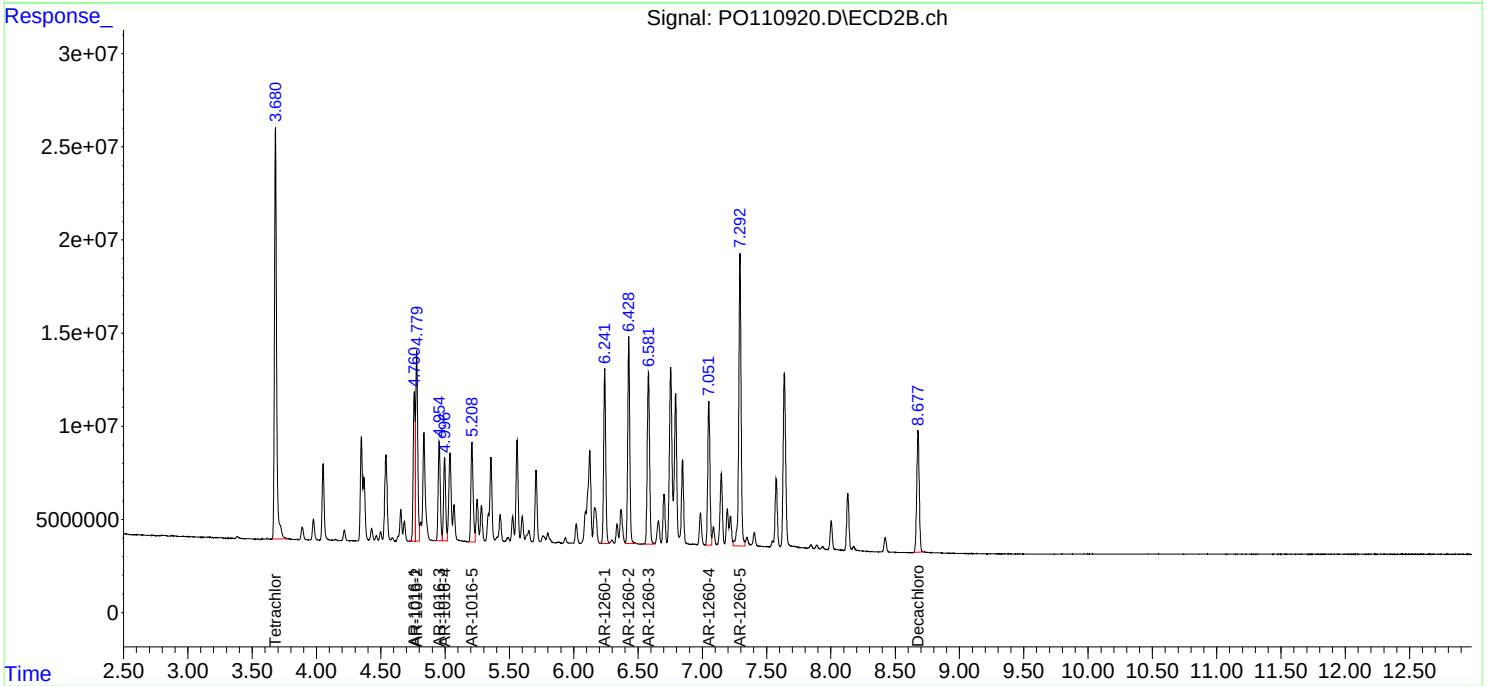
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 19:41
Operator : YP/AJ
Sample : PO050225ICV500
Misc :
ALS Vial : 100 Sample Multiplier: 1

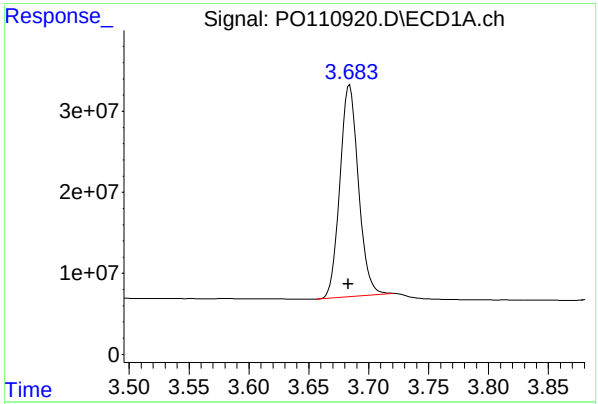
Instrument :
ECD_O
ClientSampleId :
ICVPO050225

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

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



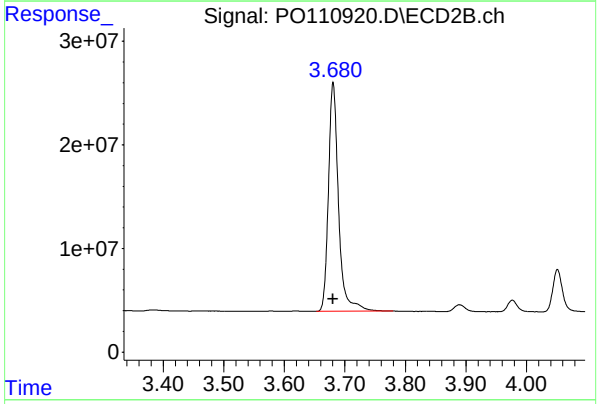




#1 Tetrachloro-m-xylene

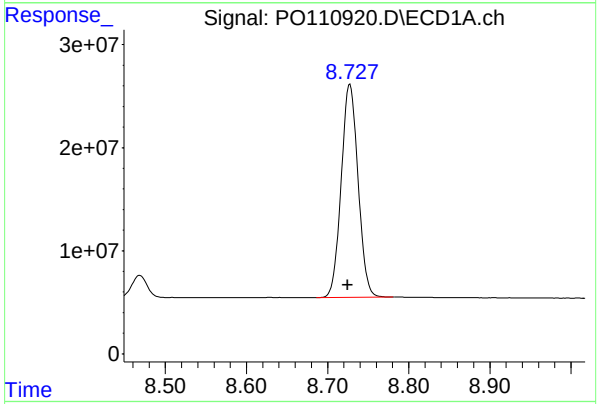
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 281393222
Conc: 49.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



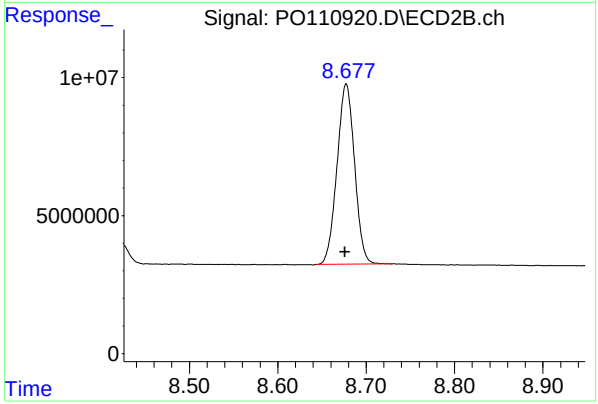
#1 Tetrachloro-m-xylene

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



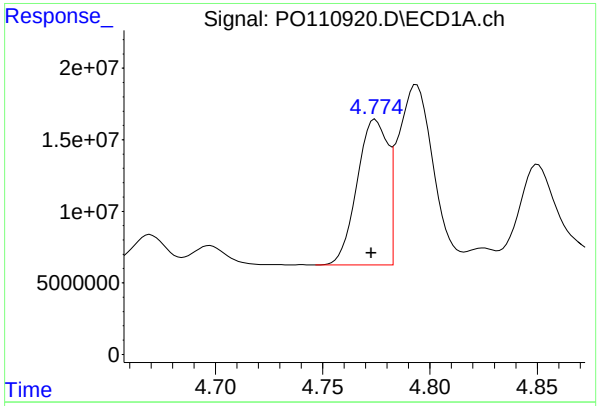
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

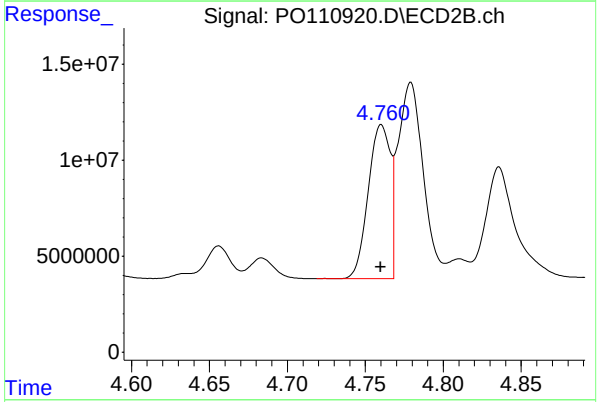
R.T.: 8.677 min
Delta R.T.: 0.002 min
Response: 90047991
Conc: 53.37 ng/ml



#3 AR-1016-1

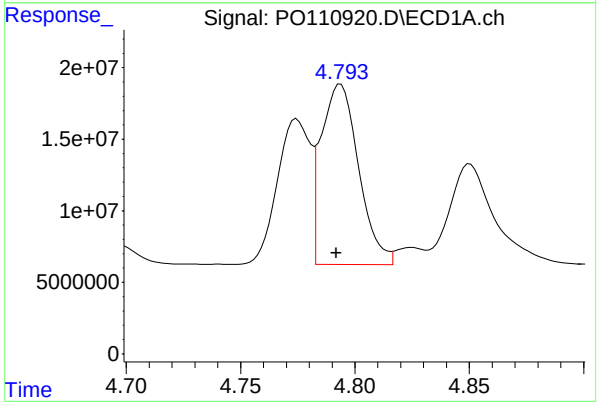
R.T.: 4.775 min
Delta R.T.: 0.002 min
Response: 101140755
Conc: 457.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



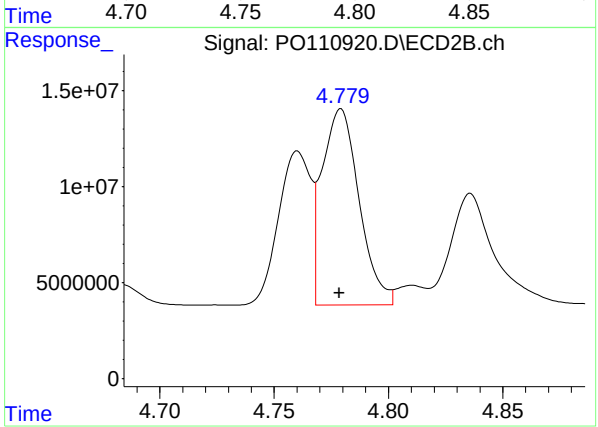
#3 AR-1016-1

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



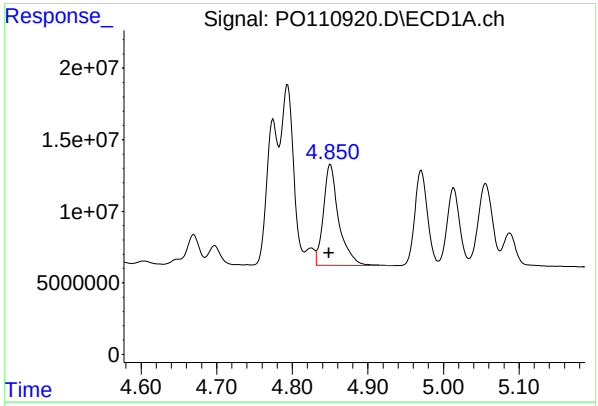
#4 AR-1016-2

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



#4 AR-1016-2

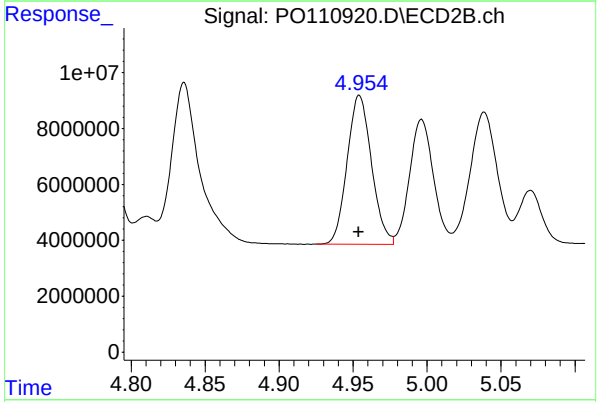
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 115333022
Conc: 504.59 ng/ml



#5 AR-1016-3

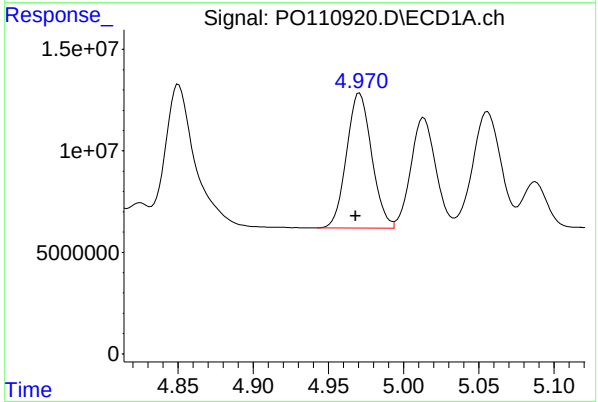
R.T.: 4.850 min
Delta R.T.: 0.002 min
Response: 99363212
Conc: 434.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



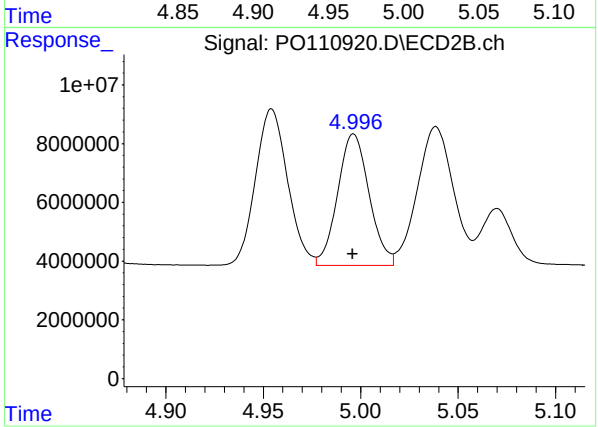
#5 AR-1016-3

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



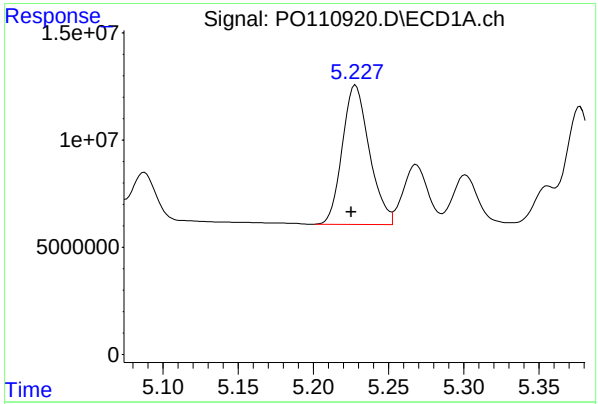
#6 AR-1016-4

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



#6 AR-1016-4

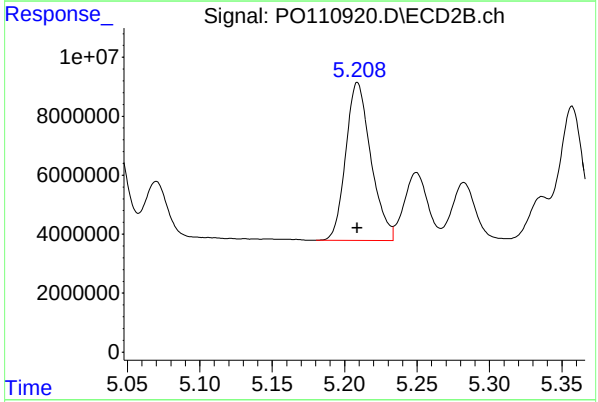
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 50429013
Conc: 500.48 ng/ml



#7 AR-1016-5

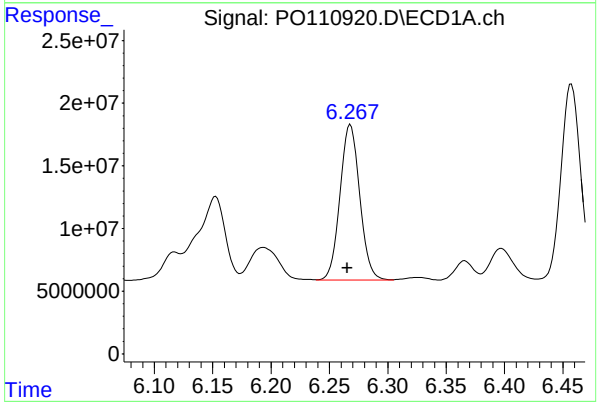
R.T.: 5.228 min
Delta R.T.: 0.003 min
Response: 81367871
Conc: 456.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



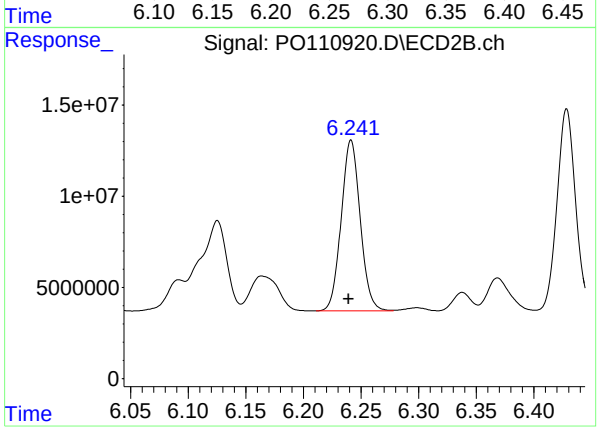
#7 AR-1016-5

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



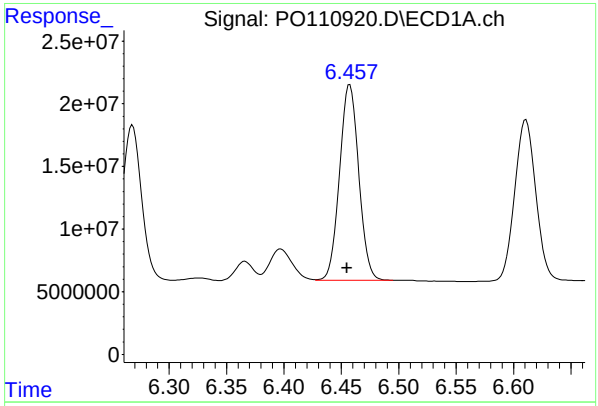
#31 AR-1260-1

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



#31 AR-1260-1

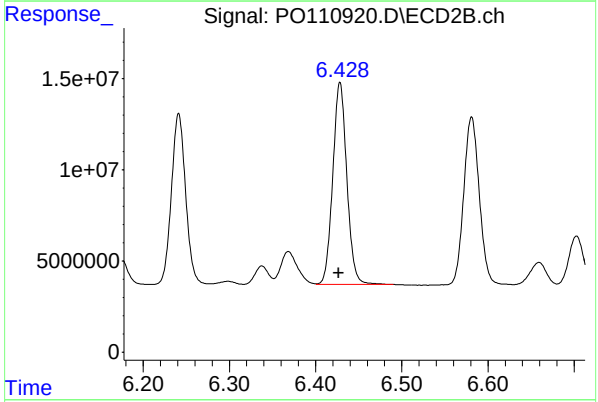
R.T.: 6.241 min
Delta R.T.: 0.002 min
Response: 107189842
Conc: 485.53 ng/ml



#32 AR-1260-2

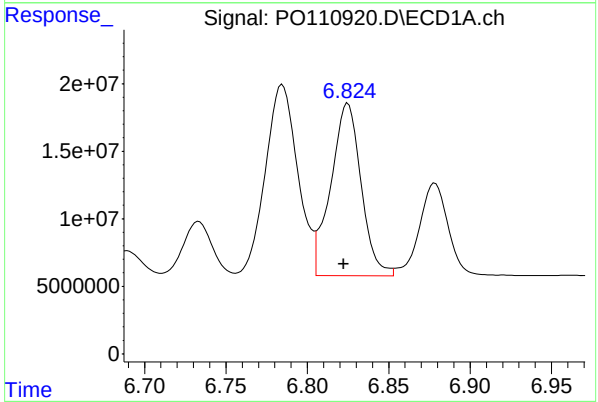
R.T.: 6.457 min
Delta R.T.: 0.002 mi
Response: 182788663
Conc: 440.65 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



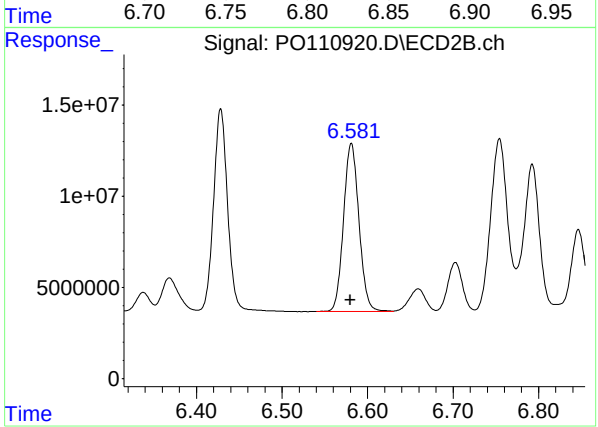
#32 AR-1260-2

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



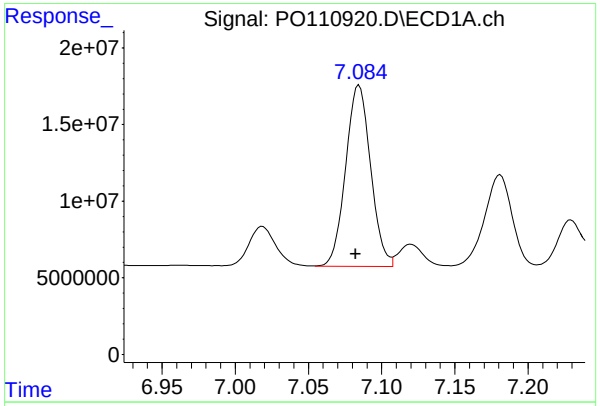
#33 AR-1260-3

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



#33 AR-1260-3

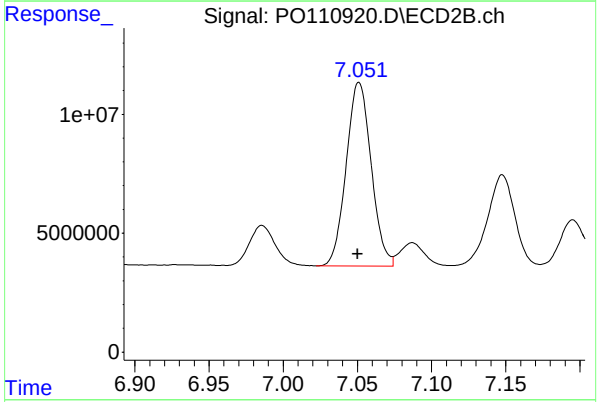
R.T.: 6.581 min
Delta R.T.: 0.001 min
Response: 115893085
Conc: 497.09 ng/ml



#34 AR-1260-4

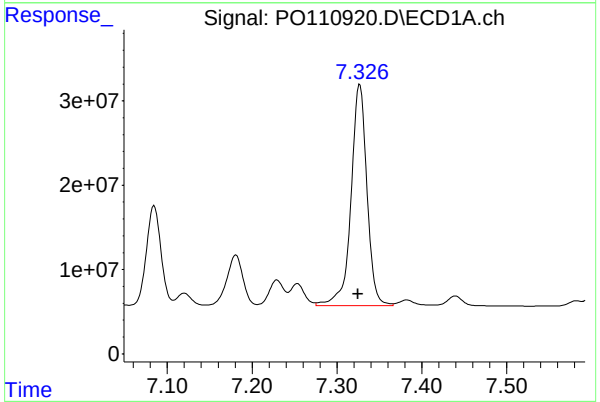
R.T.: 7.085 min
Delta R.T.: 0.002 min
Response: 140169875
Conc: 460.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225



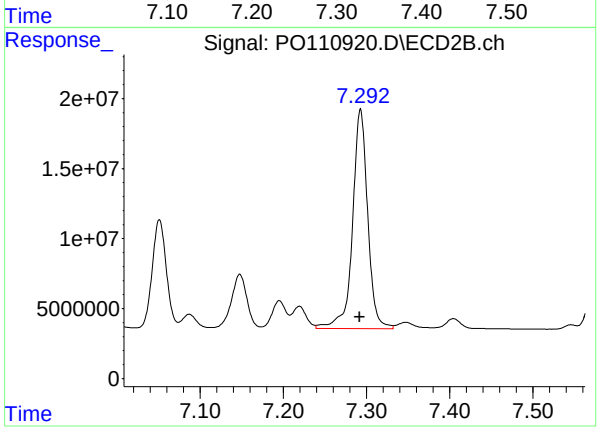
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.680	277.2E6	252.5E6	48.147	52.207
2)	SA Decachlor...	8.729	8.678	292.7E6	87913293	46.145	50.806
	Target Compounds						
16)	L4 AR-1242-1	4.775	4.760	84944465	66488459	461.836	502.457
17)	L4 AR-1242-2	4.794	4.779	121.7E6	96449898	472.371	507.433
18)	L4 AR-1242-3	4.851	4.955	82866111	51165326	455.034	504.983
19)	L4 AR-1242-4	4.971	5.039	64545755	51485584	462.186	496.436
20)	L4 AR-1242-5	5.624	5.560	72069745	63448667	462.298	501.310

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

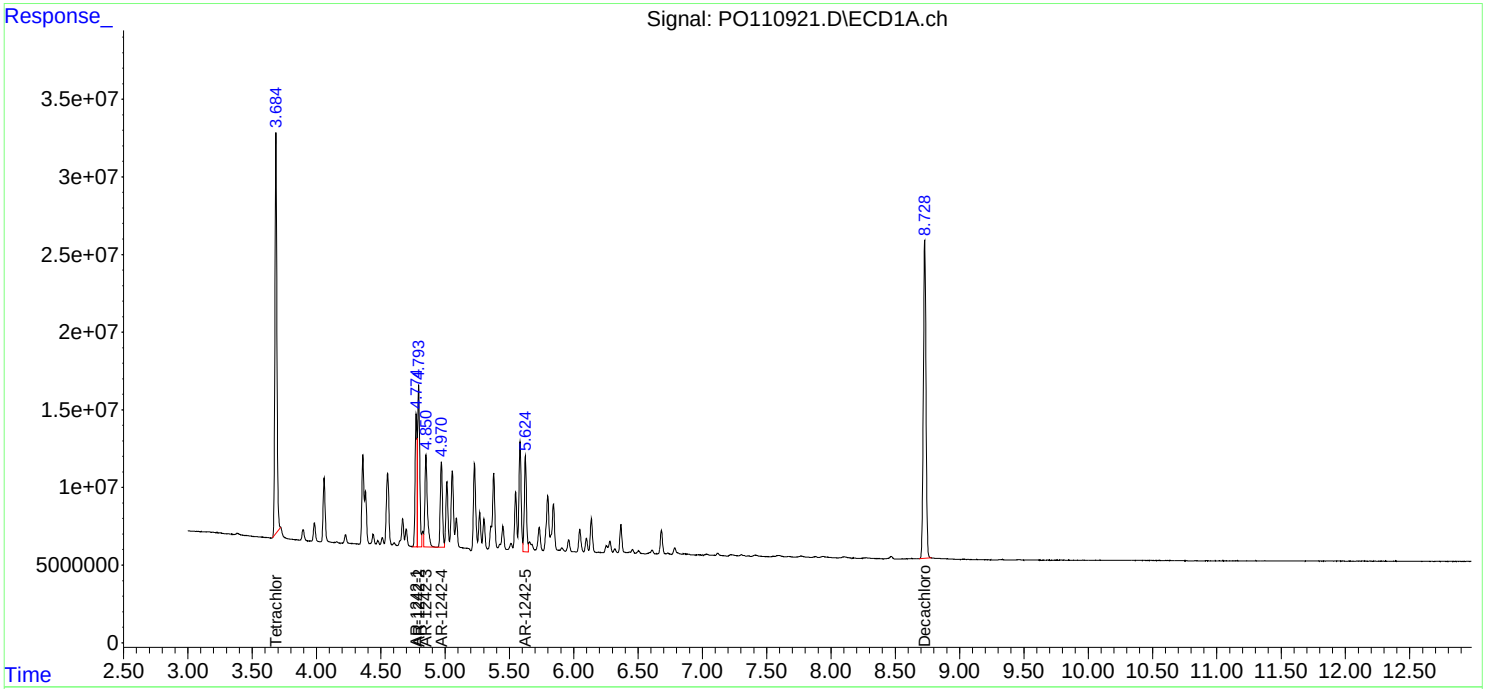
ICAL Form

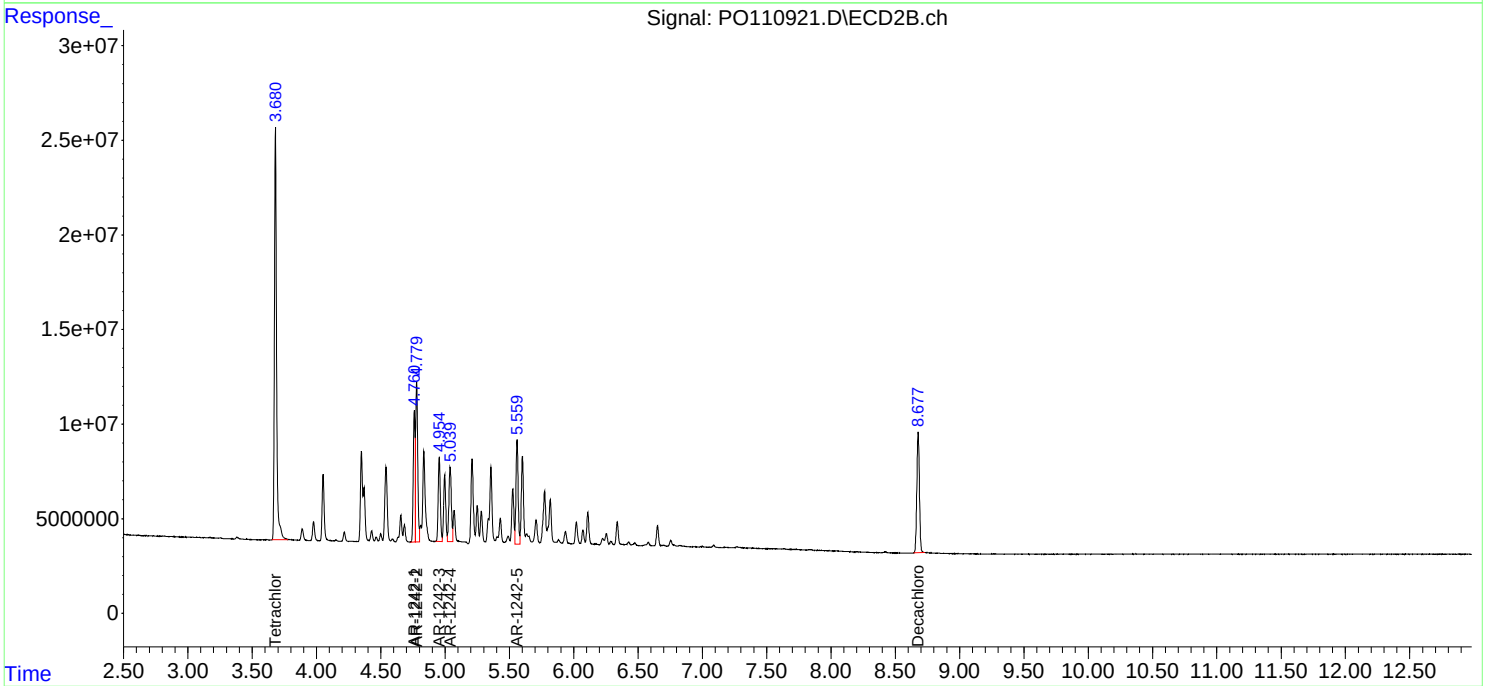
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 20:18
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

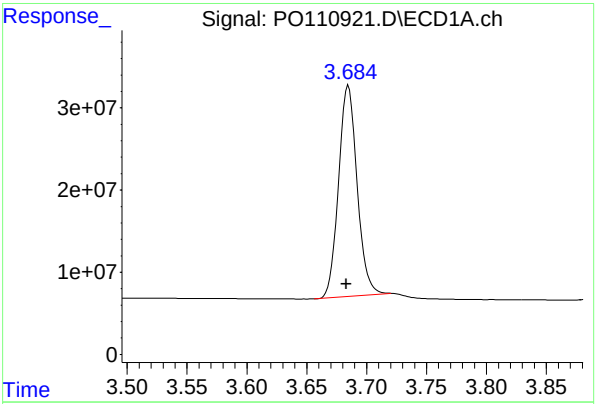
Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242

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

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



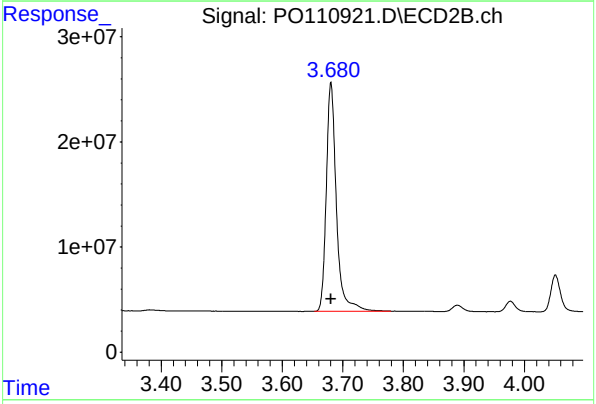




#1 Tetrachloro-m-xylene

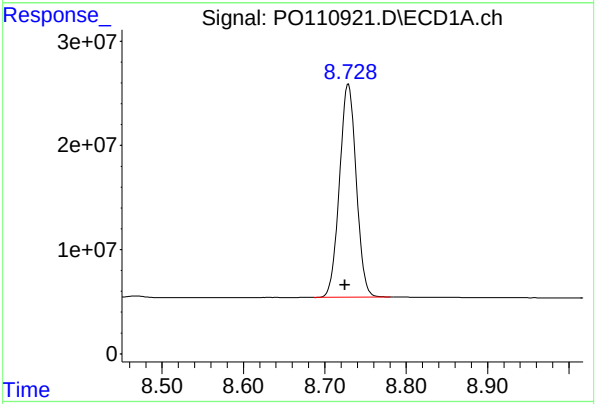
R.T.: 3.685 min
Delta R.T.: 0.002 min
Response: 277152291
Conc: 48.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242



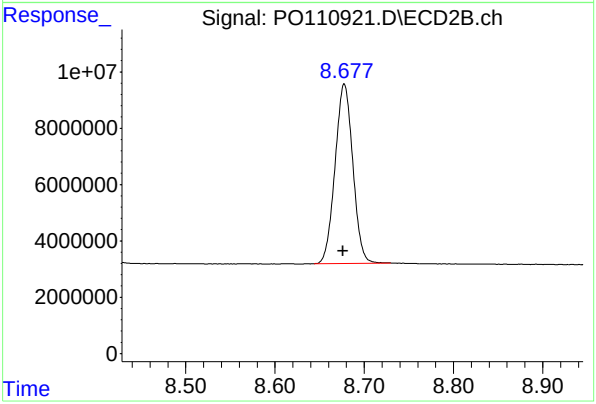
#1 Tetrachloro-m-xylene

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



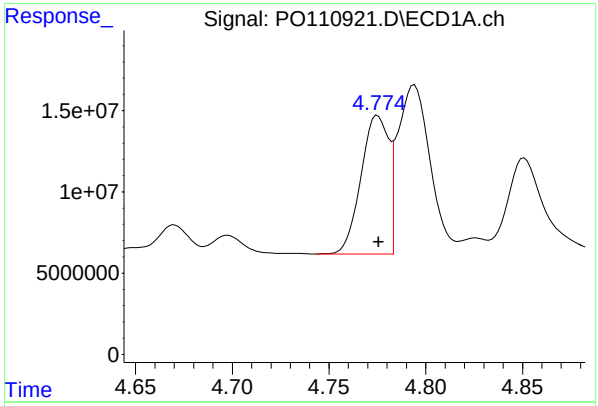
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

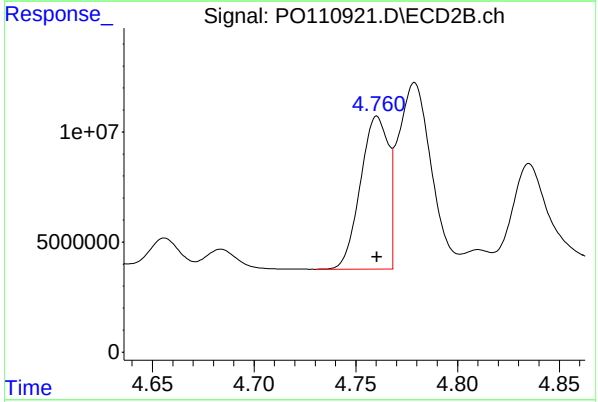
R.T.: 8.678 min
Delta R.T.: 0.002 min
Response: 87913293
Conc: 50.81 ng/ml



#16 AR-1242-1

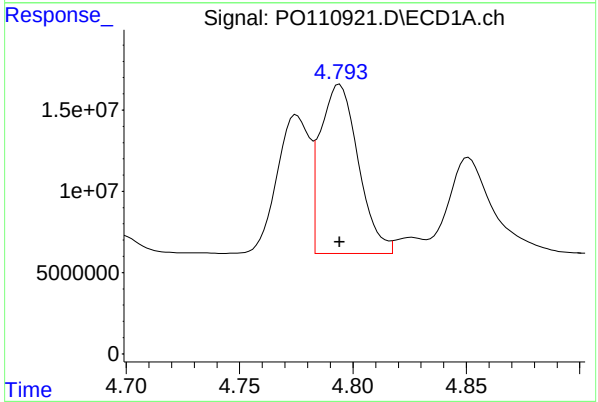
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 84944465
Conc: 461.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242



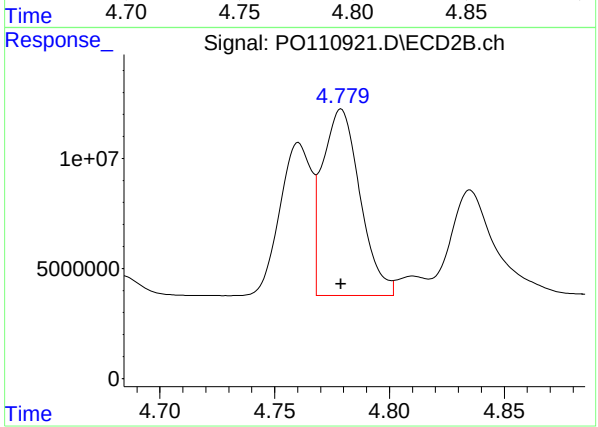
#16 AR-1242-1

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



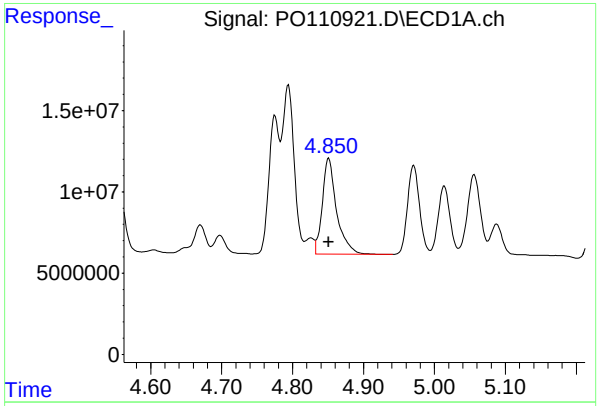
#17 AR-1242-2

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



#17 AR-1242-2

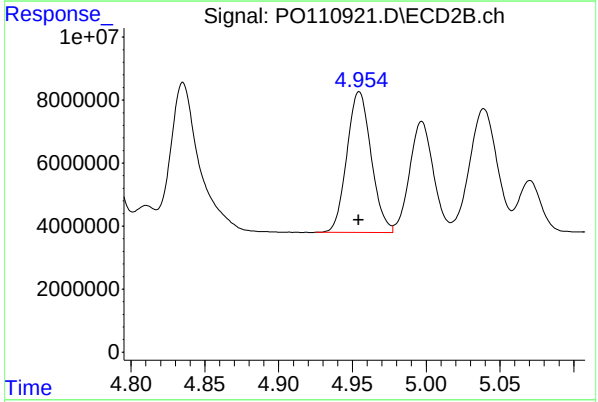
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 96449898
Conc: 507.43 ng/ml



#18 AR-1242-3

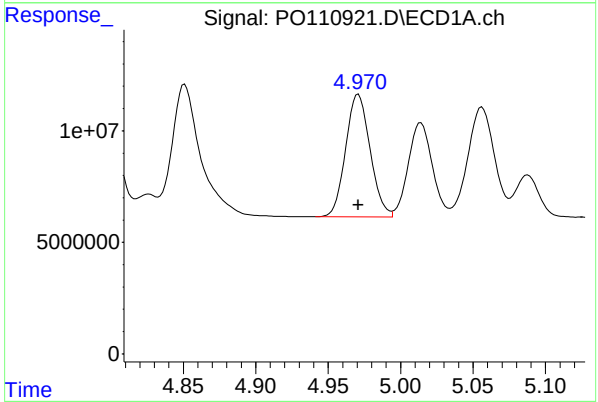
R.T.: 4.851 min
Delta R.T.: 0.000 min
Response: 82866111
Conc: 455.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242



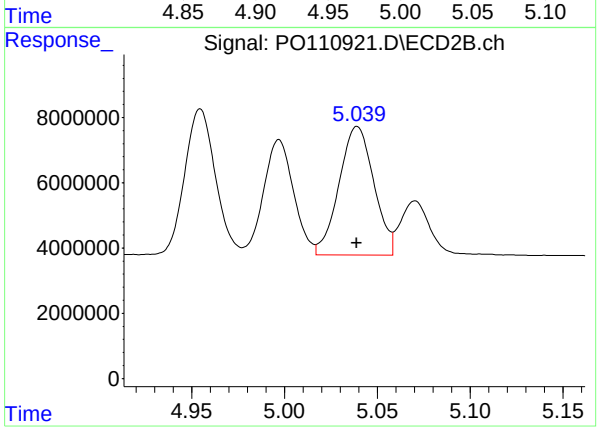
#18 AR-1242-3

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



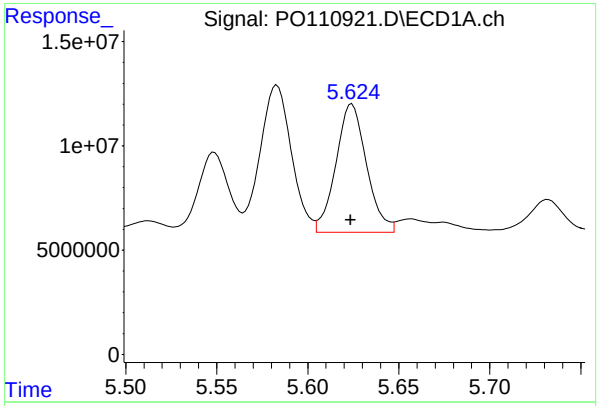
#19 AR-1242-4

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



#19 AR-1242-4

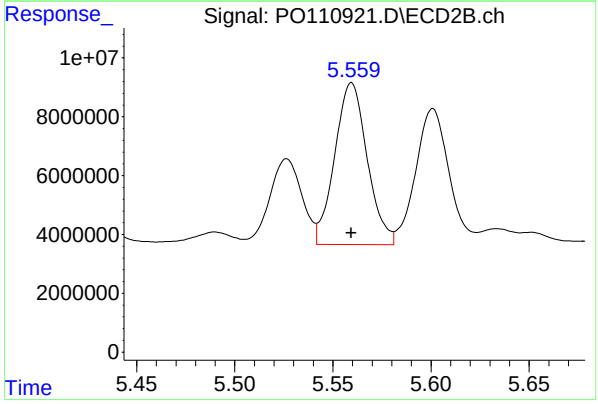
R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 51485584
Conc: 496.44 ng/ml



#20 AR-1242-5

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

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1242



#20 AR-1242-5

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248

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

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

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

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

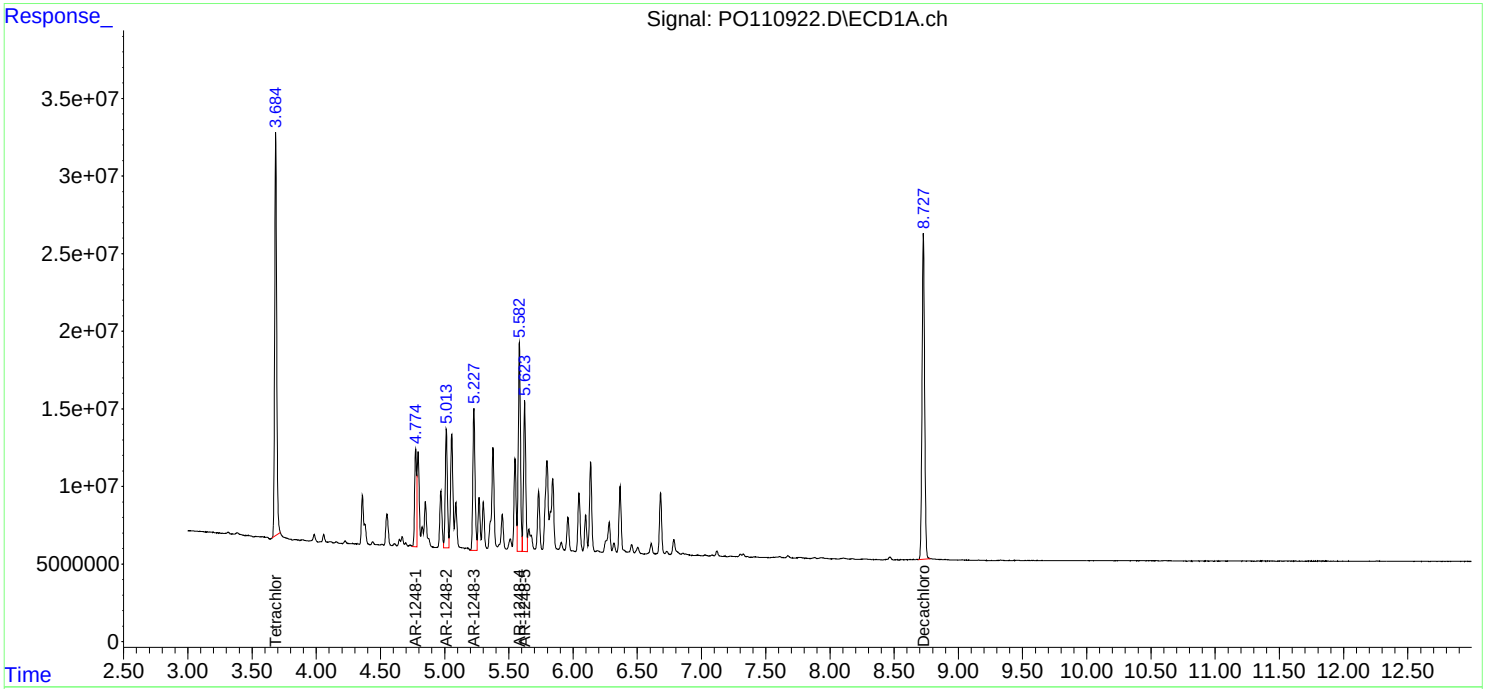
ICAL Form

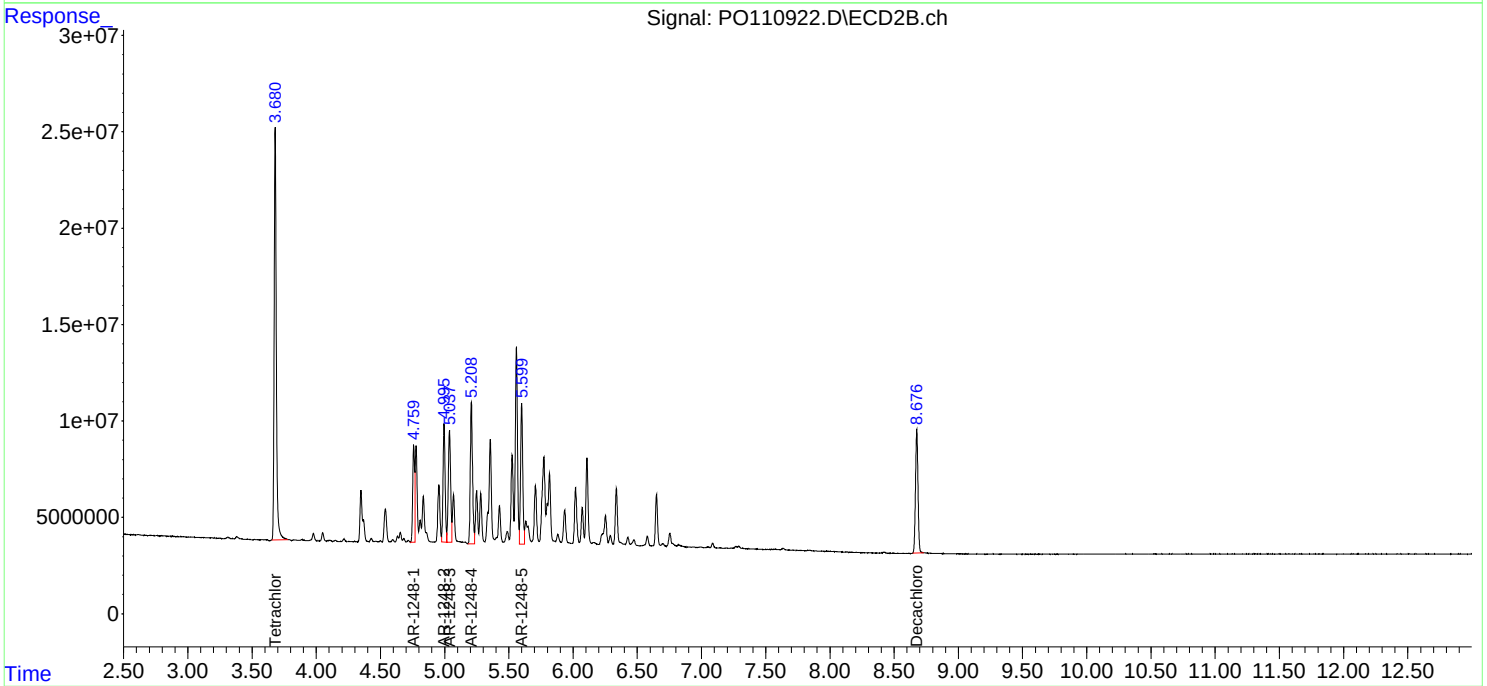
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 20:54
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 17 Sample Multiplier: 1

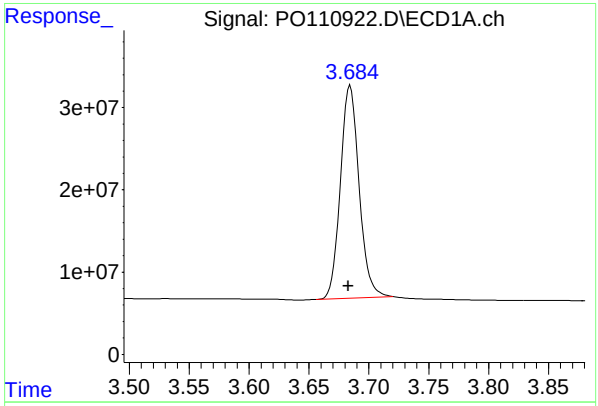
Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248

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

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



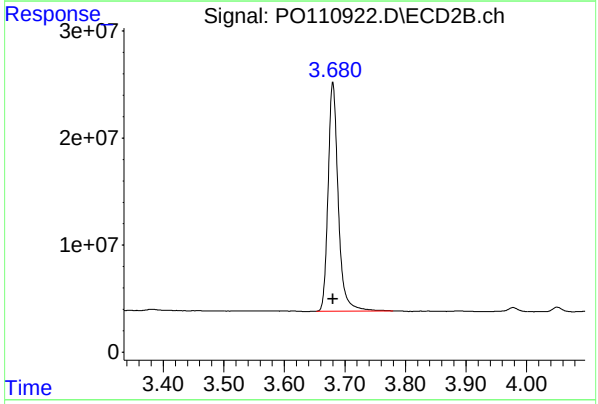




#1 Tetrachloro-m-xylene

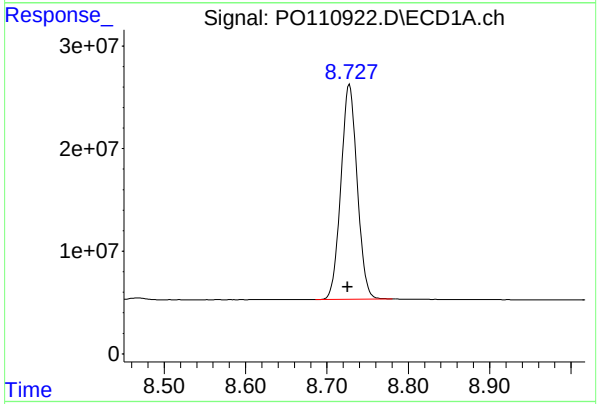
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 281652415
Conc: 50.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248



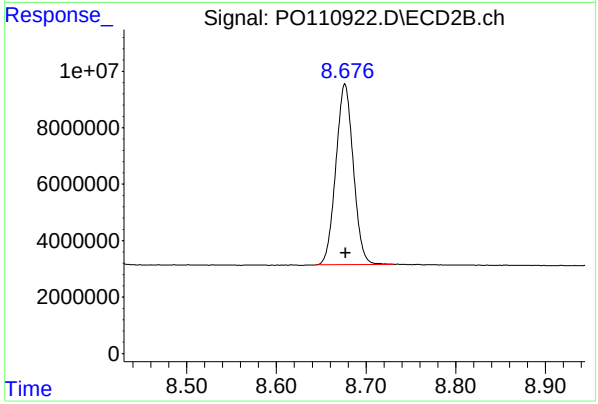
#1 Tetrachloro-m-xylene

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



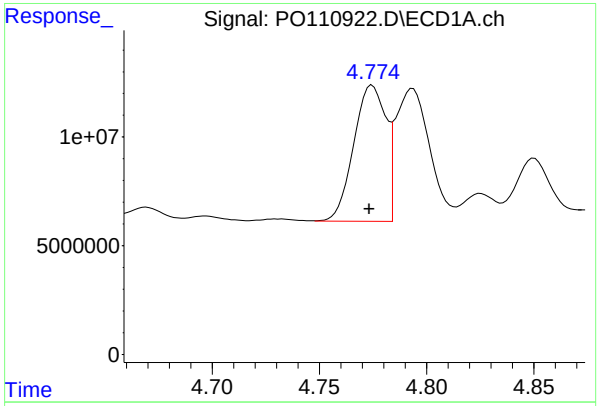
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

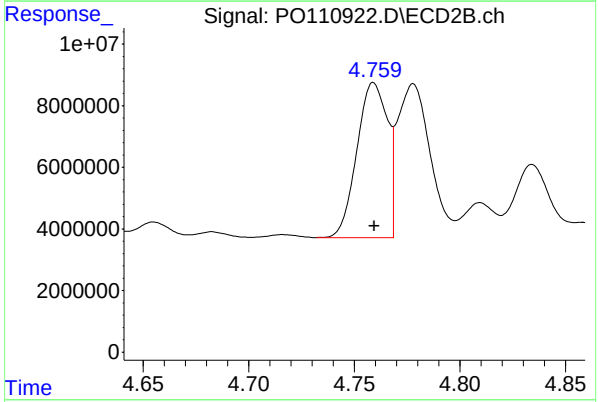
R.T.: 8.676 min
Delta R.T.: 0.000 min
Response: 86640442
Conc: 50.92 ng/ml



#21 AR-1248-1

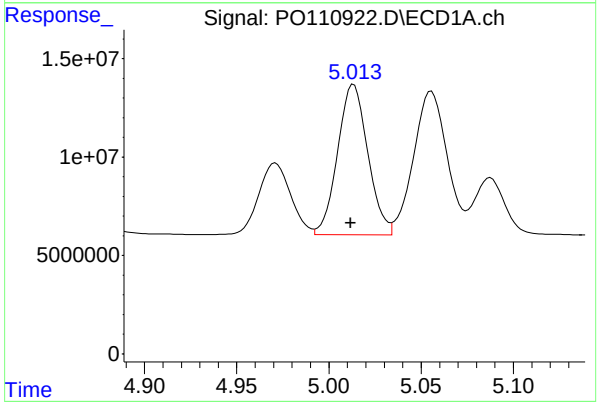
R.T.: 4.775 min
Delta R.T.: 0.001 mi
Response: 65440838
Conc: 498.17 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248



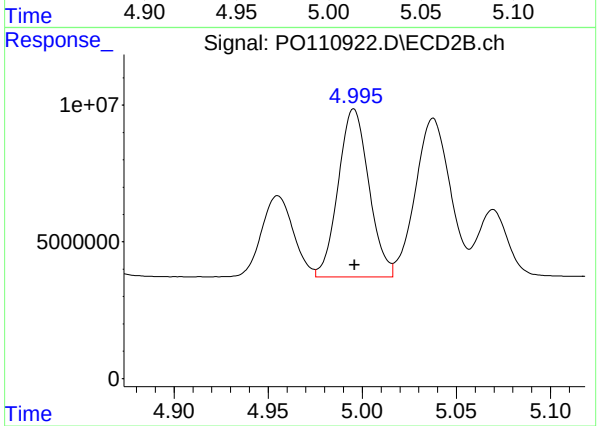
#21 AR-1248-1

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



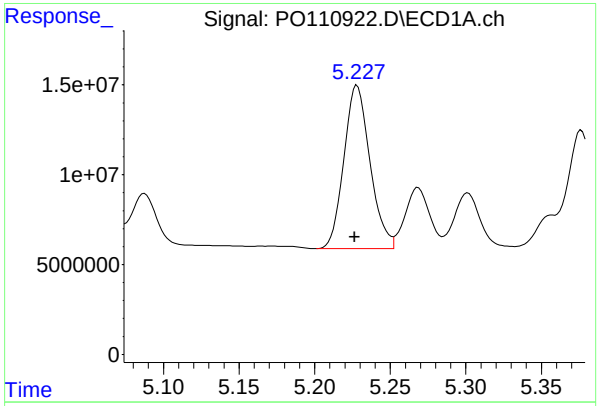
#22 AR-1248-2

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



#22 AR-1248-2

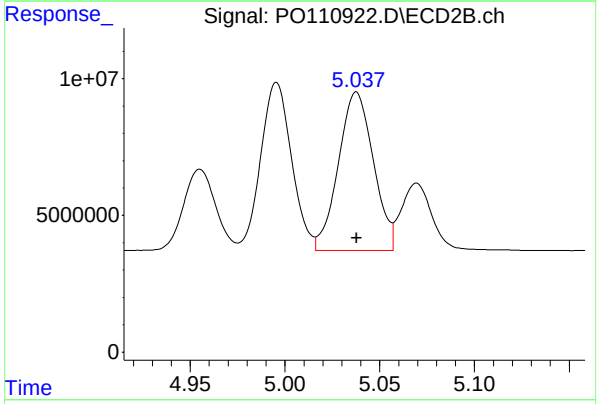
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 69718152
Conc: 515.97 ng/ml



#23 AR-1248-3

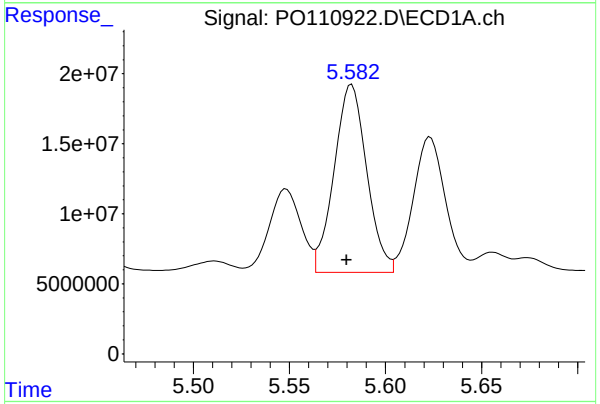
R.T.: 5.228 min
Delta R.T.: 0.002 min
Response: 109344102
Conc: 495.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248



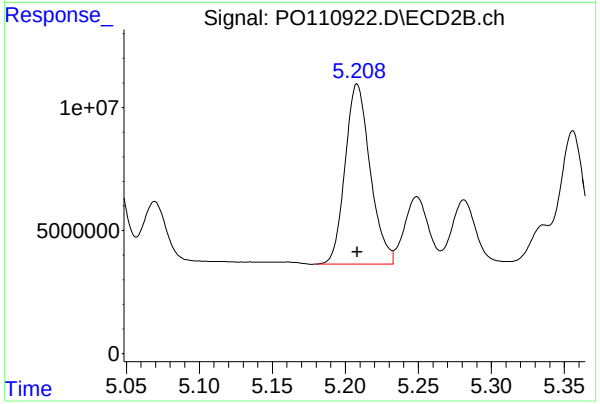
#23 AR-1248-3

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



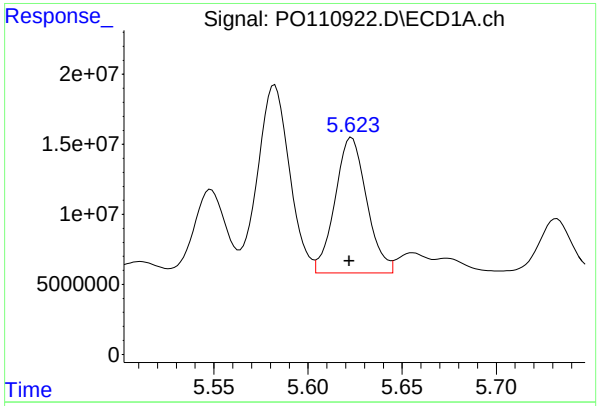
#24 AR-1248-4

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



#24 AR-1248-4

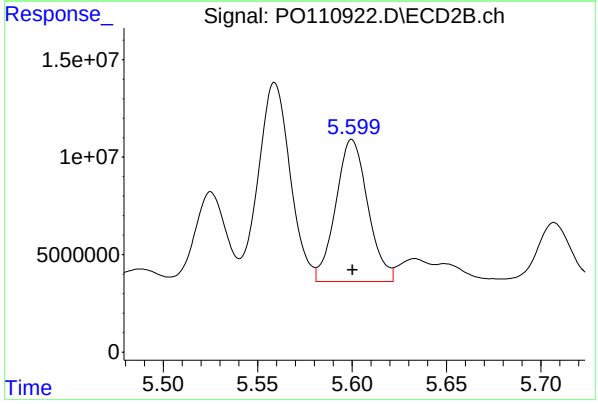
R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 87700628
Conc: 523.54 ng/ml



#25 AR-1248-5

R.T.: 5.623 min
Delta R.T.: 0.001 min
Response: 113604147
Conc: 486.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1248



#25 AR-1248-5

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 86365939
Conc: 514.45 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254

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

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

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

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

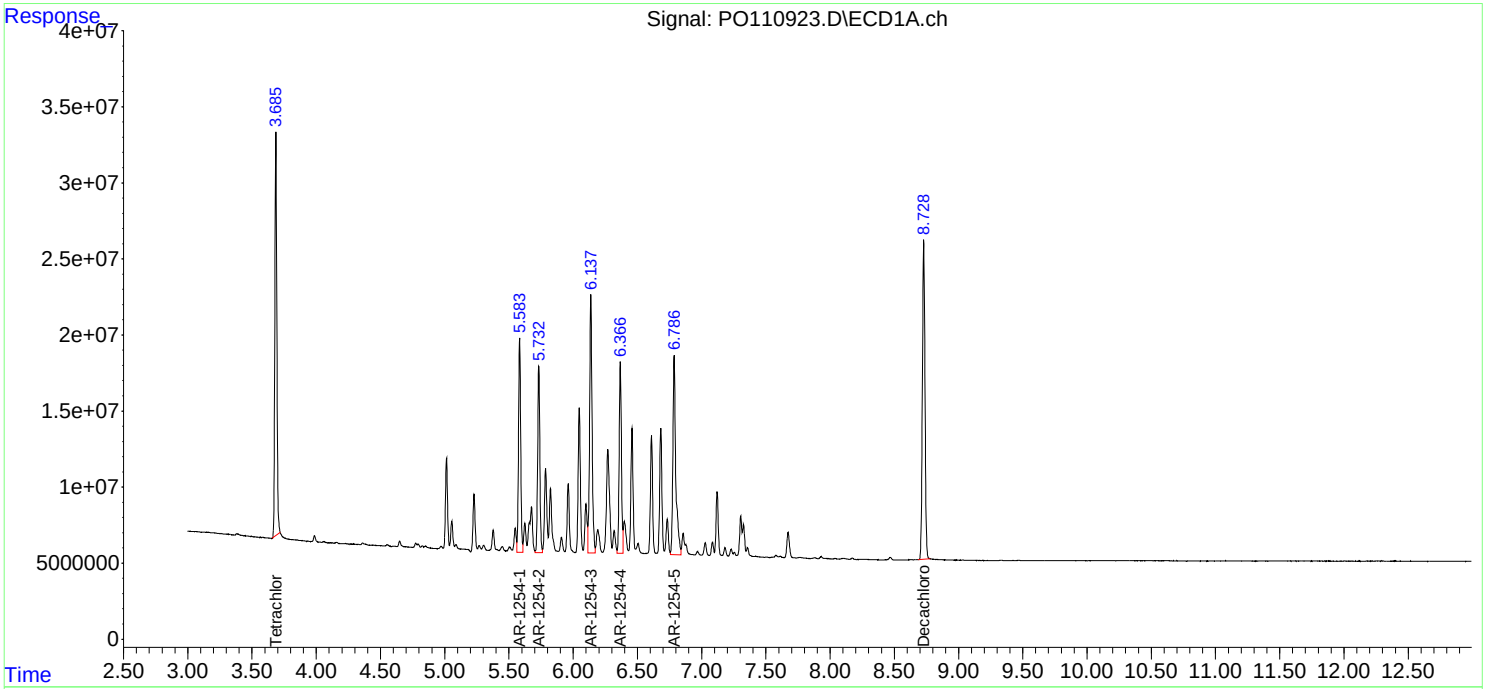
ICAL Form

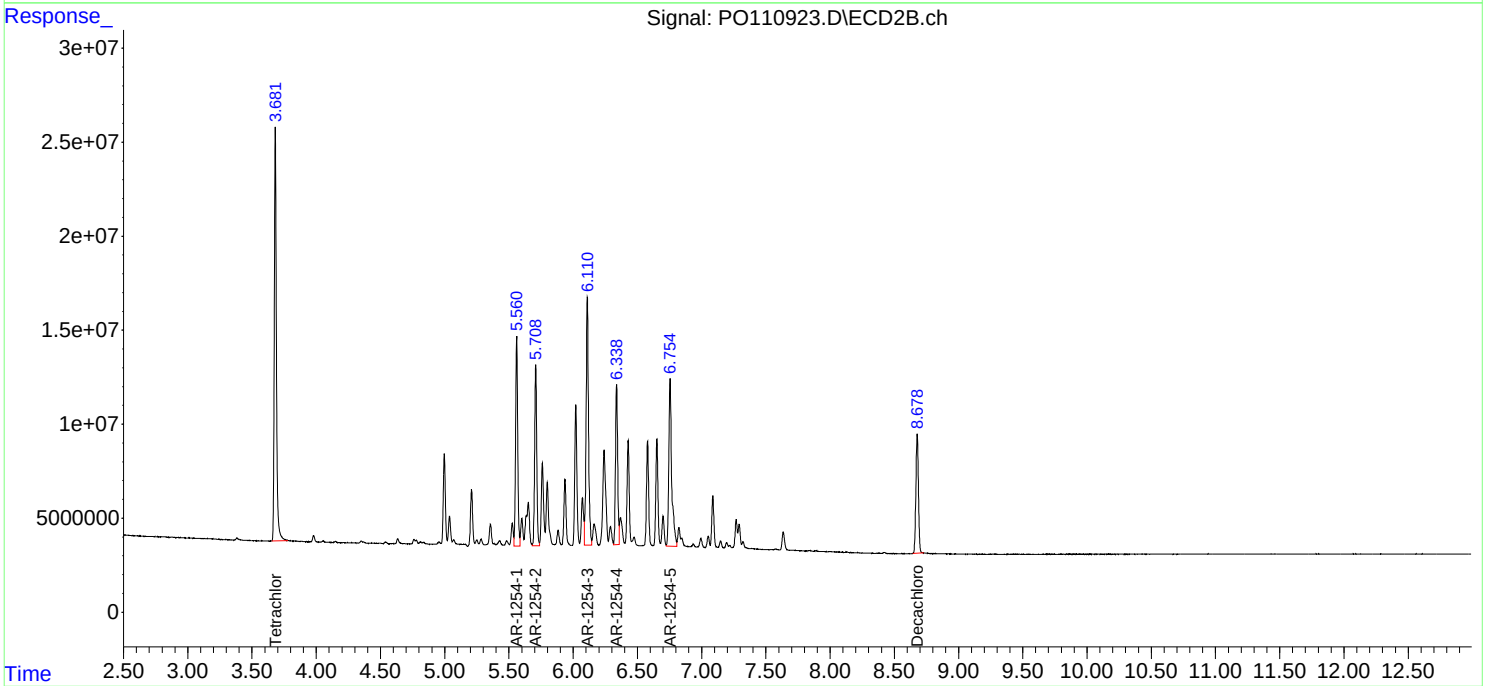
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 21:31
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

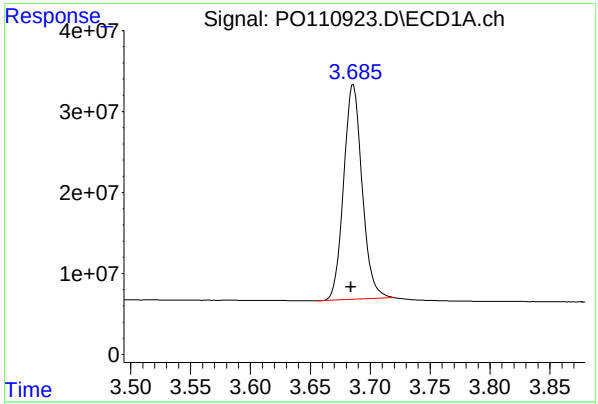
Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254

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

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



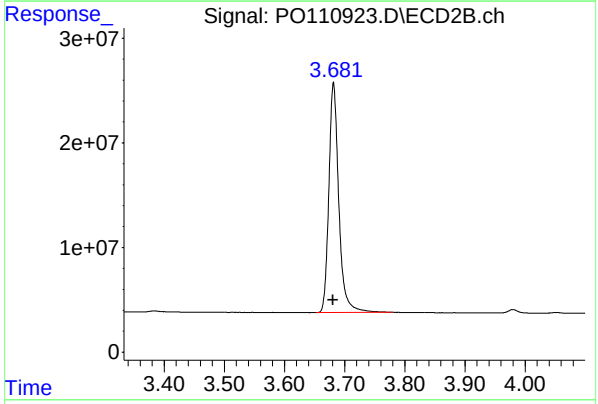




#1 Tetrachloro-m-xylene

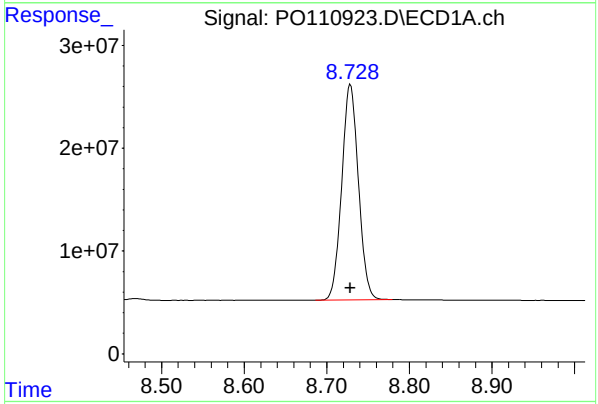
R.T.: 3.686 min
Delta R.T.: 0.002 mi
Response: 284427642
Conc: 49.88 ng/m

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254



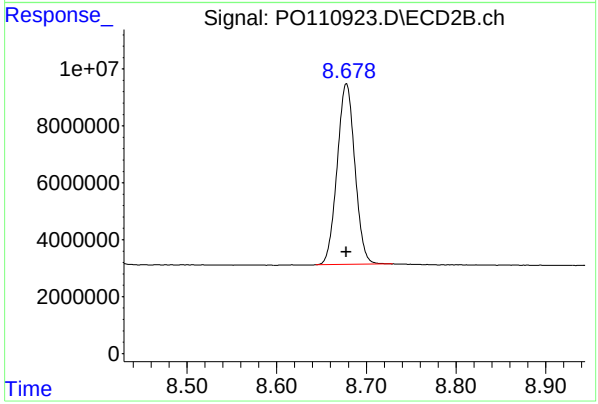
#1 Tetrachloro-m-xylene

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



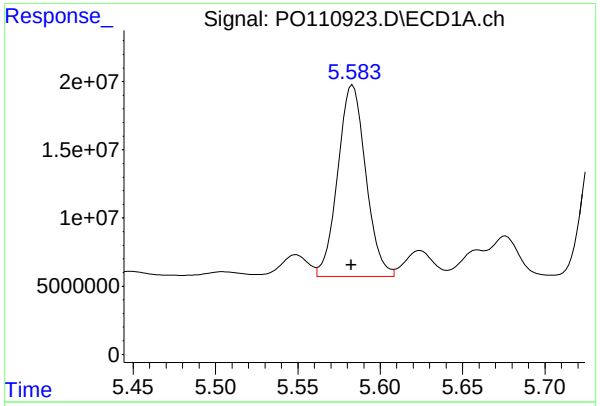
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

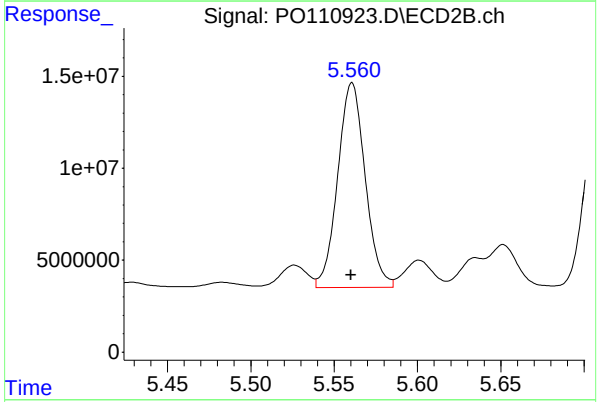
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 87469111
Conc: 50.34 ng/ml



#26 AR-1254-1

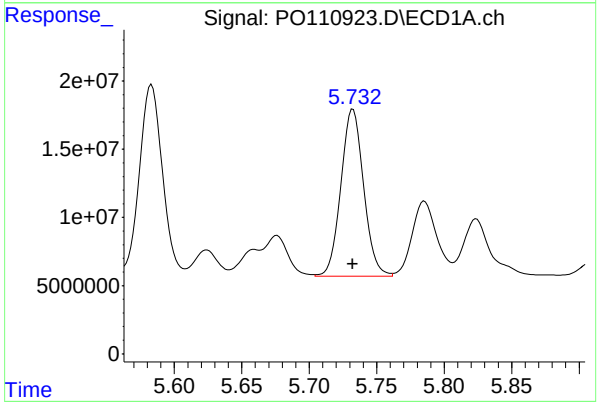
R.T.: 5.583 min
Delta R.T.: 0.000 min
Response: 166095813
Conc: 492.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254



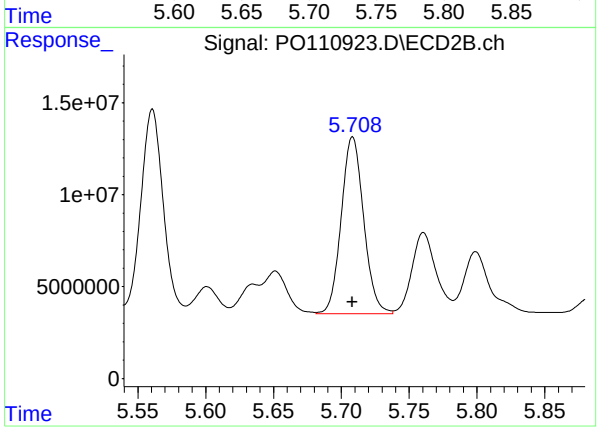
#26 AR-1254-1

R.T.: 5.561 min
Delta R.T.: 0.000 min
Response: 127636465
Conc: 508.46 ng/ml



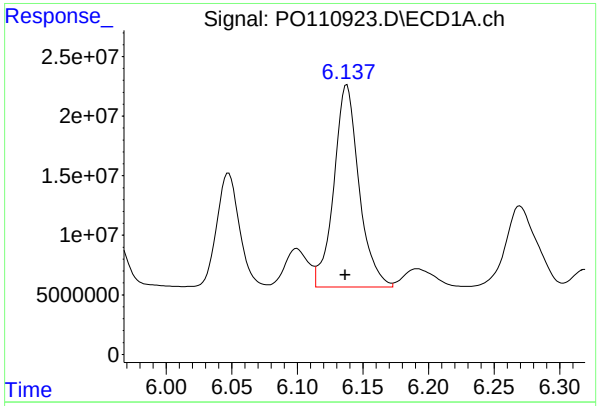
#27 AR-1254-2

R.T.: 5.732 min
Delta R.T.: 0.000 min
Response: 144158724
Conc: 501.07 ng/ml



#27 AR-1254-2

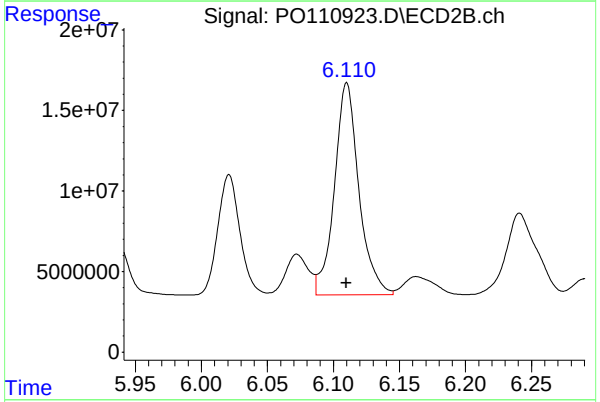
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 110755845
Conc: 507.62 ng/ml



#28 AR-1254-3

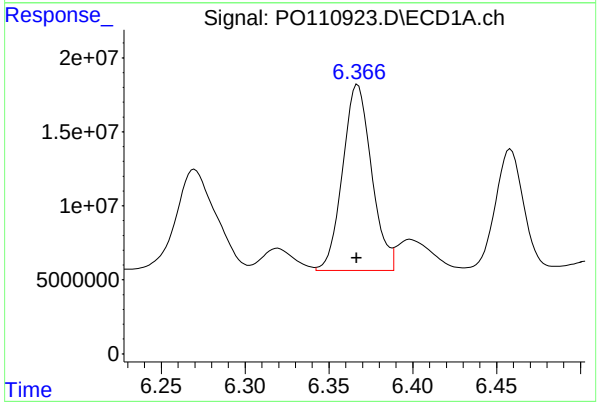
R.T.: 6.138 min
Delta R.T.: 0.001 min
Response: 226448238
Conc: 495.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254



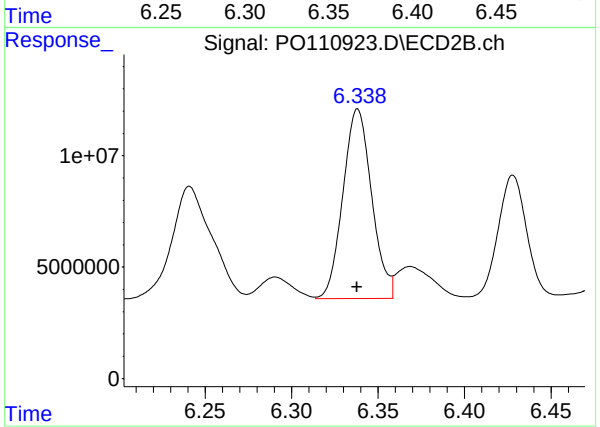
#28 AR-1254-3

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 169614477
Conc: 507.51 ng/ml



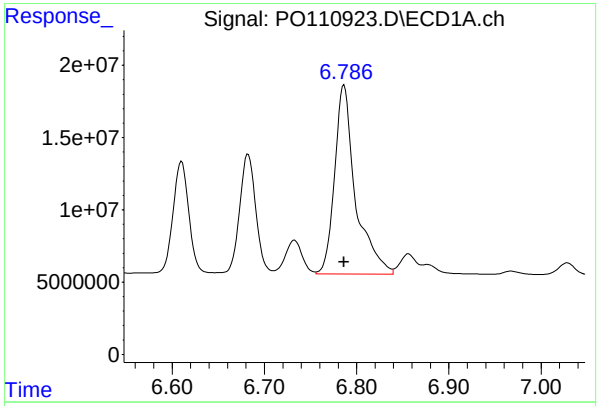
#29 AR-1254-4

R.T.: 6.367 min
Delta R.T.: 0.000 min
Response: 150343346
Conc: 493.21 ng/ml



#29 AR-1254-4

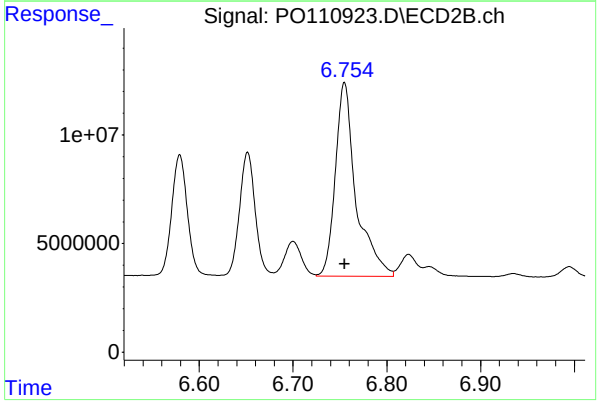
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 98315385
Conc: 506.36 ng/ml



#30 AR-1254-5

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 205323820
Conc: 486.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1254



#30 AR-1254-5

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 136669667
Conc: 509.43 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 22:08
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 23:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:42:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.681	291.9E6	259.0E6	48.591	49.645
2)	SA Decachlor...	8.728	8.678	492.6E6	144.0E6	47.891	48.532
	Target Compounds						
41)	L9 AR-1268-1	7.612	7.576	456.7E6	223.9E6	484.912m	488.100
42)	L9 AR-1268-2	7.678	7.641	414.4E6	203.9E6	482.247	490.365
43)	L9 AR-1268-3	7.885	7.846	356.7E6	150.8E6	479.904	489.434
44)	L9 AR-1268-4	8.173	8.131	150.5E6	55100857	484.435	486.339
45)	L9 AR-1268-5	8.470	8.424	1050.4E6	317.8E6	478.987	483.957

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 22:08
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 28 Sample Multiplier: 1

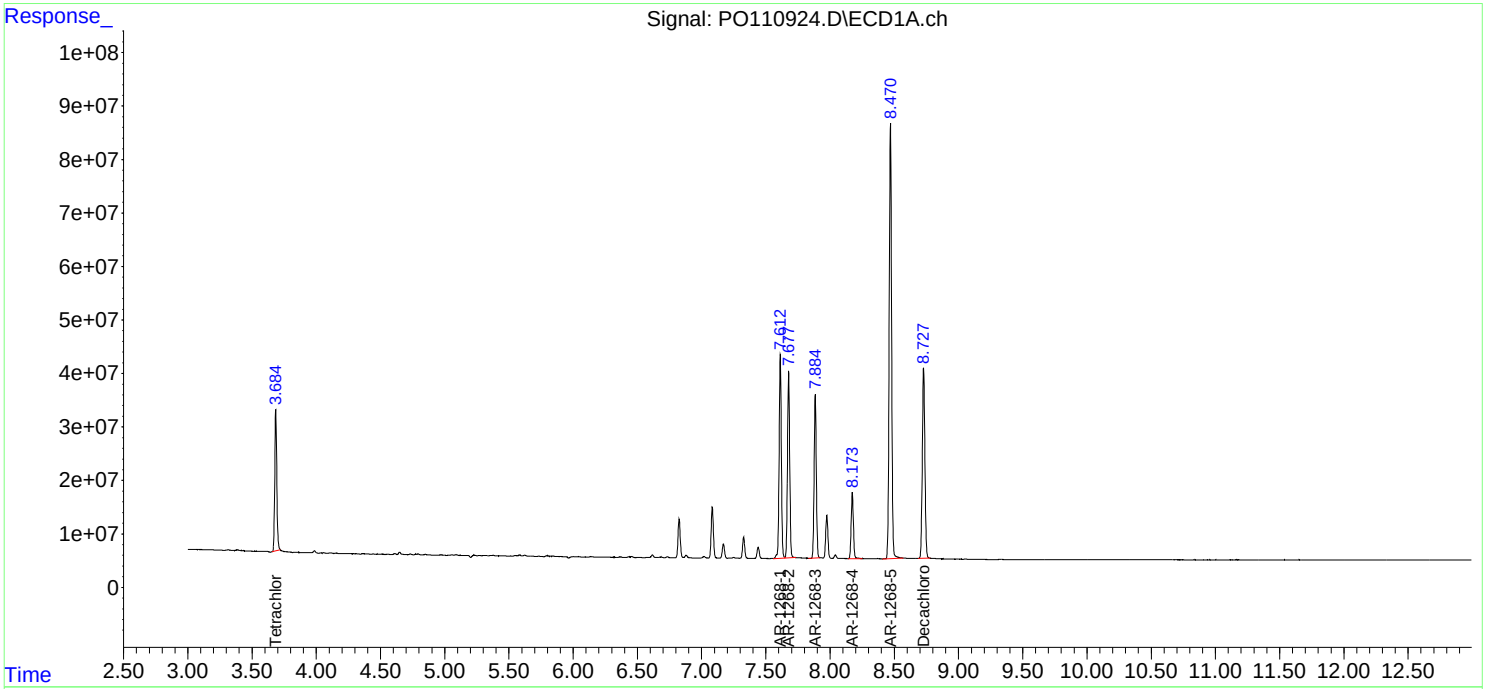
Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

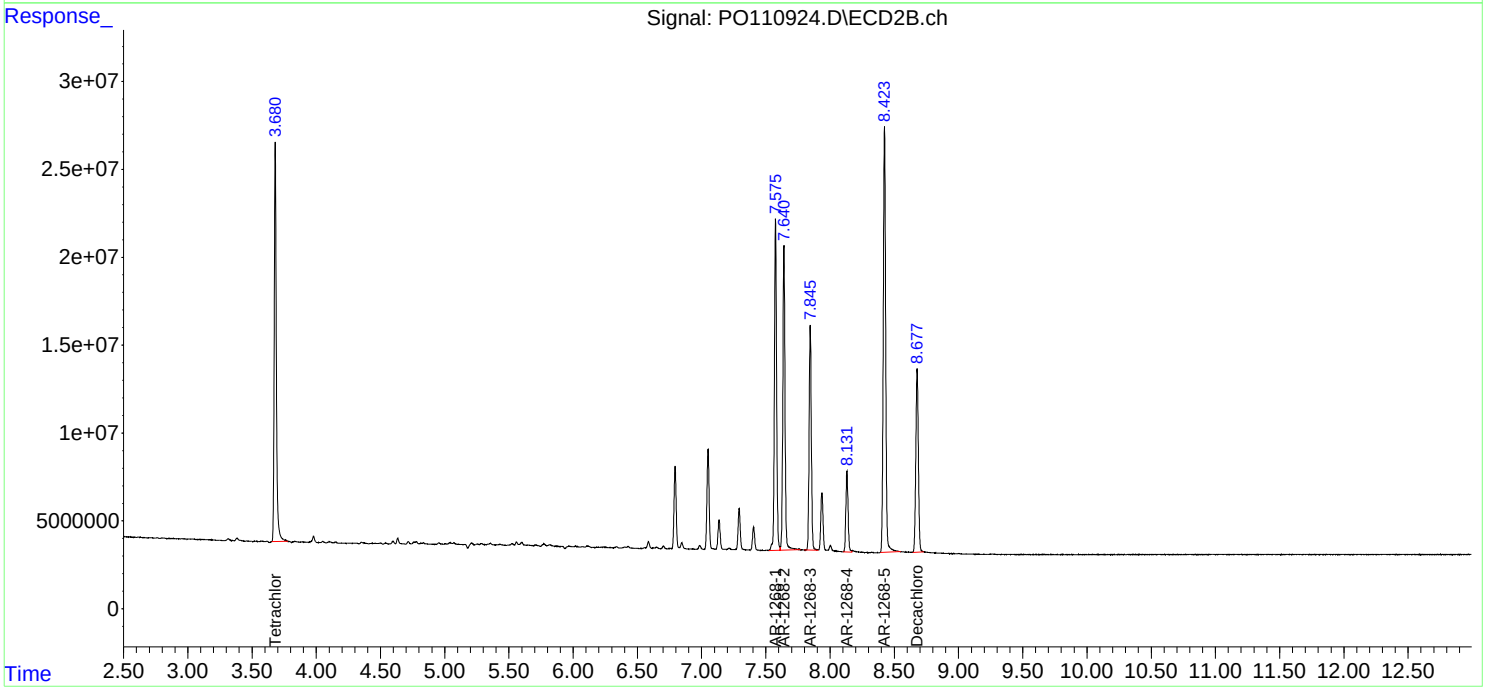
Manual Integrations APPROVED

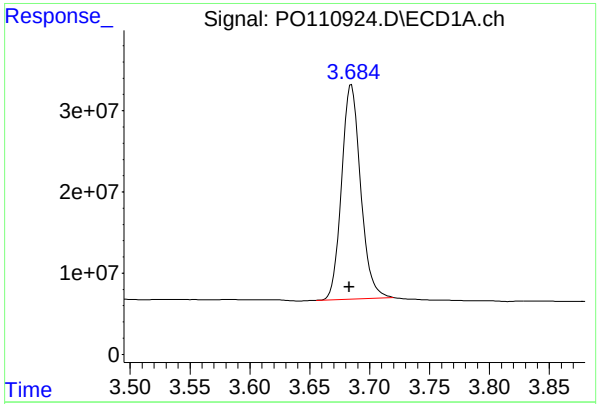
Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 23:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:42:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







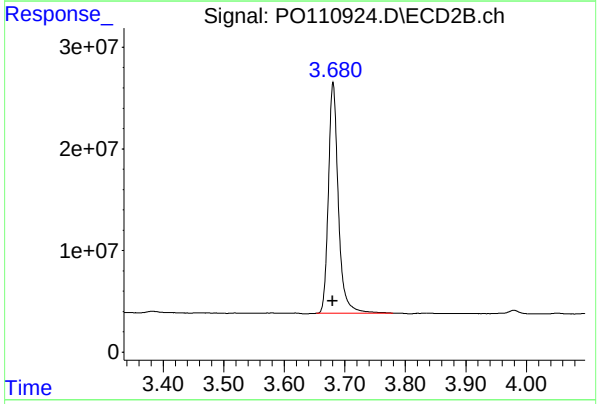
#1 Tetrachloro-m-xylene

R.T.: 3.685 min
Delta R.T.: 0.002 min
Response: 291884946
Conc: 48.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

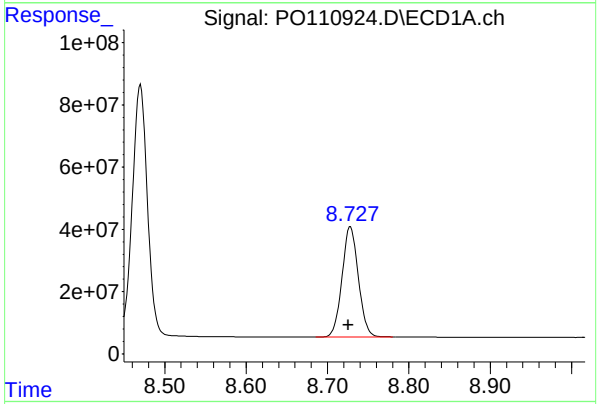
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



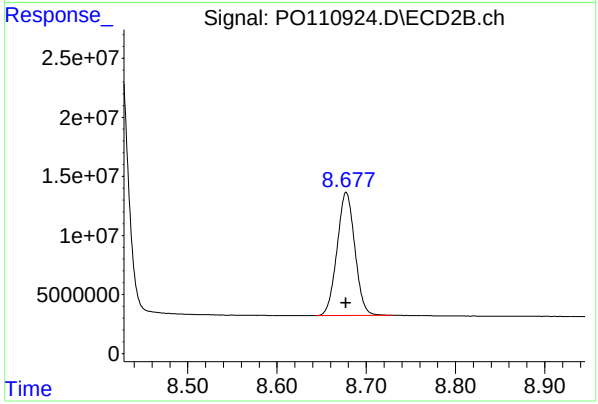
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 259024900
Conc: 49.65 ng/ml



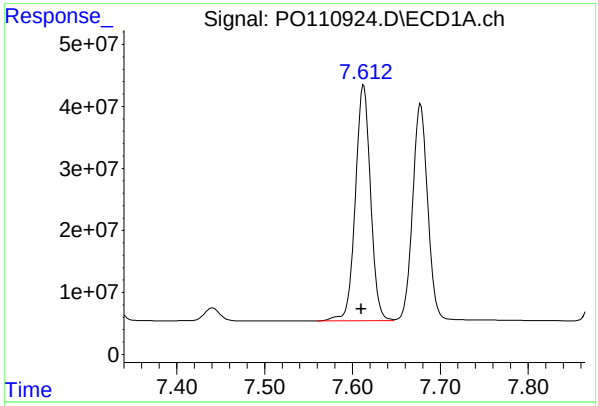
#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.003 min
Response: 492644787
Conc: 47.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 144029795
Conc: 48.53 ng/ml



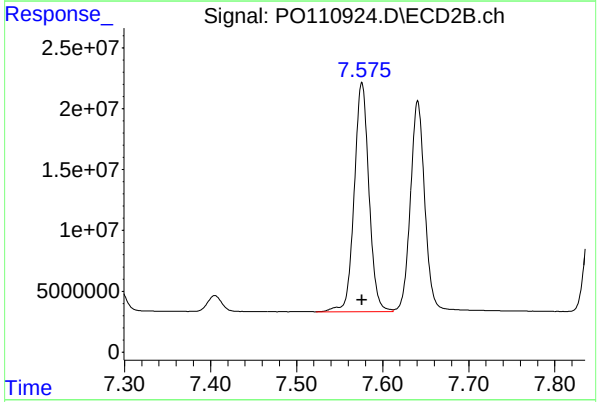
#41 AR-1268-1

R.T.: 7.612 min
Delta R.T.: 0.002 min
Response: 456669826
Conc: 484.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

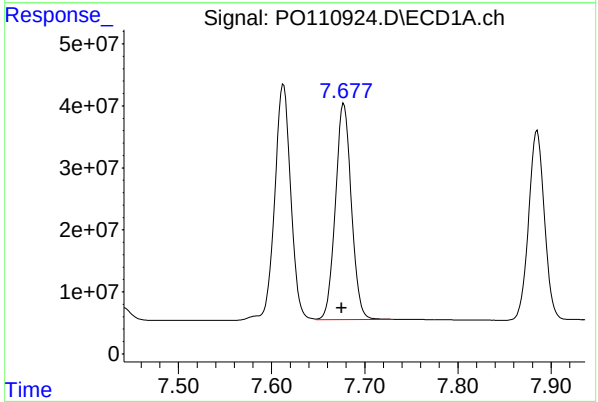
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



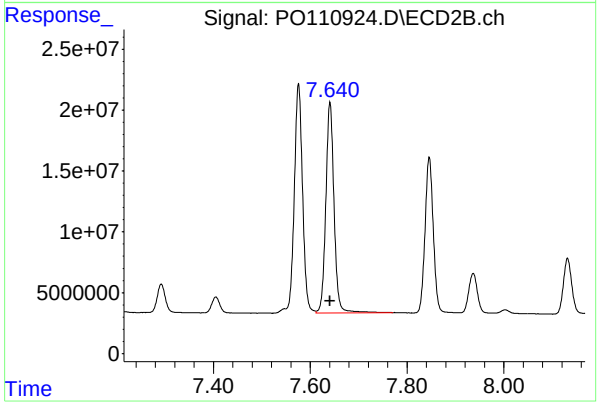
#41 AR-1268-1

R.T.: 7.576 min
Delta R.T.: 0.000 min
Response: 223940349
Conc: 488.10 ng/ml



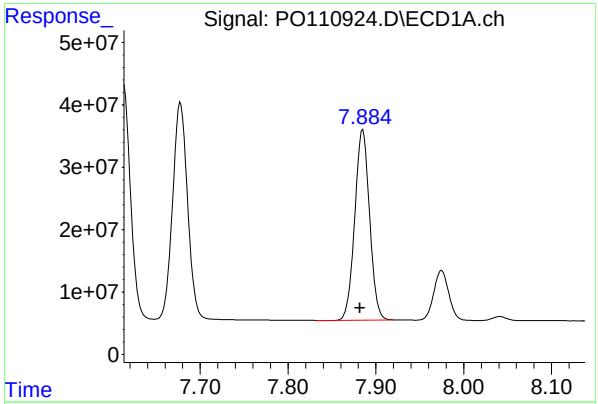
#42 AR-1268-2

R.T.: 7.678 min
Delta R.T.: 0.002 min
Response: 414431193
Conc: 482.25 ng/ml



#42 AR-1268-2

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 203903207
Conc: 490.37 ng/ml



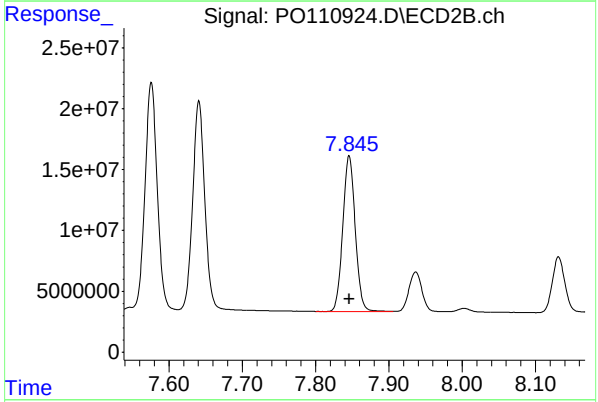
#43 AR-1268-3

R.T.: 7.885 min
Delta R.T.: 0.003 min
Response: 356651520
Conc: 479.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

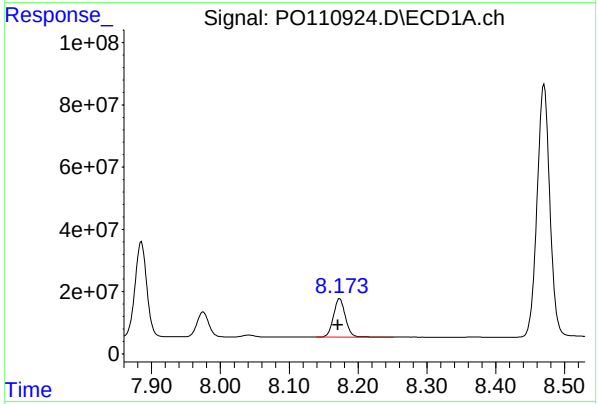
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



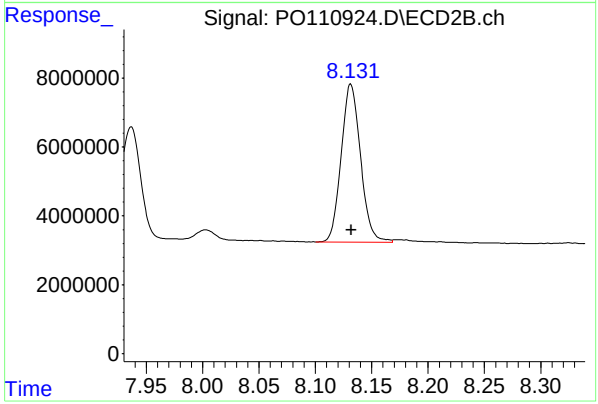
#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.000 min
Response: 150815642
Conc: 489.43 ng/ml



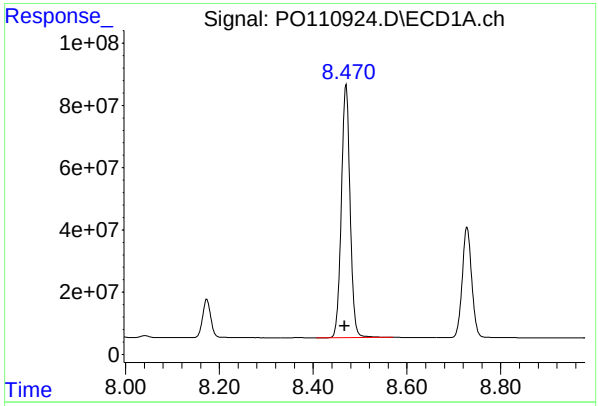
#44 AR-1268-4

R.T.: 8.173 min
Delta R.T.: 0.003 min
Response: 150516159
Conc: 484.44 ng/ml



#44 AR-1268-4

R.T.: 8.131 min
Delta R.T.: 0.000 min
Response: 55100857
Conc: 486.34 ng/ml



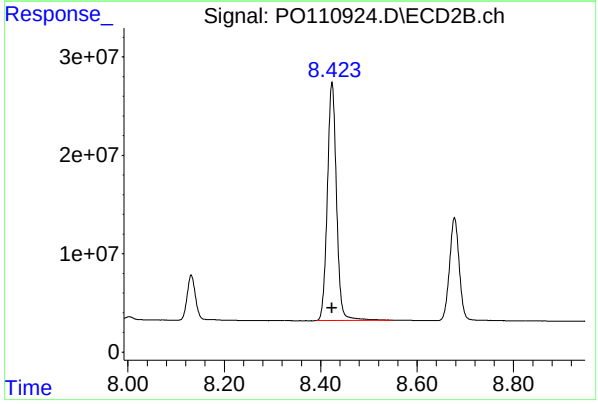
#45 AR-1268-5

R.T.: 8.470 min
Delta R.T.: 0.003 min
Response: 1050366044
Conc: 478.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO050225AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/05/2025
Supervised By :mohammad ahmed 05/06/2025



#45 AR-1268-5

R.T.: 8.424 min
Delta R.T.: 0.000 min
Response: 317791942
Conc: 483.96 ng/ml

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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.66	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1016-5	(5)	6.14	6.14	6.15	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.26	7.26	7.27	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.51	7.51	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-3	(3)	7.87	7.87	7.88	7.87	7.88	7.87	7.77	7.97
Aroclor-1260-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1260-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52
Decachlorobiphenyl		10.23	10.23	10.24	10.23	10.24	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.52	4.51	4.52	4.51	4.41	4.61
Aroclor-1242-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1242-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1242-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.51	4.52	4.51	4.51	4.52	4.51	4.41	4.61
Aroclor-1248-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1248-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1248-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1248-4	(4)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1248-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.24	10.24	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.51	4.51	4.51	4.51	4.41	4.61
Aroclor-1254-1	(1)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1254-2	(2)	6.74	6.74	6.74	6.73	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Decachlorobiphenyl		10.24	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.52	4.51	4.51	4.51	4.41	4.61
Aroclor-1268-1	(1)	8.73	8.73	8.73	8.74	8.73	8.73	8.63	8.83
Aroclor-1268-2	(2)	8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Aroclor-1268-3	(3)	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Aroclor-1268-4	(4)	9.48	9.48	9.48	9.48	9.48	9.48	9.38	9.58
Aroclor-1268-5	(5)	9.89	9.89	9.89	9.90	9.89	9.90	9.80	10.00

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.24	10.23	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene	4.51	4.52	4.52	4.52	4.51	4.52	4.42	4.62

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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-3	(3)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1016-4	(4)	5.13	5.13	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1016-5	(5)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Aroclor-1260-1	(1)	6.38	6.38	6.39	6.39	6.38	6.38	6.28	6.48
Aroclor-1260-2	(2)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-3	(3)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1260-4	(4)	7.20	7.20	7.20	7.20	7.20	7.20	7.10	7.30
Aroclor-1260-5	(5)	7.44	7.44	7.44	7.44	7.44	7.44	7.34	7.54
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-3	(3)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1242-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-5	(5)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-3	(3)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-4	(4)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Aroclor-1248-5	(5)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1254-1	(1)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1254-2	(2)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1254-3	(3)	6.25	6.26	6.25	6.26	6.26	6.26	6.16	6.36
Aroclor-1254-4	(4)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1254-5	(5)	6.90	6.90	6.90	6.90	6.90	6.90	6.80	7.00
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1268-1	(1)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Aroclor-1268-2	(2)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
Aroclor-1268-3	(3)	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Aroclor-1268-4	(4)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-5	(5)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene	3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91

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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Instrument ID: ECD_P

Calibration Date(s): 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PP071389.D **CF 750 =** PP071390.D

CF 500 = PP071391.D **CF 250 =** PP071392.D **CF 050 =** PP071393.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	64709894	67652695	70083532	71128656	61674340	67049823	6
Aroclor-1016-2	(2)	98977911	102364897	107369074	108813892	95615840	102628323	5
Aroclor-1016-3	(3)	59905708	62127143	64296308	65849928	56056440	61647105	6
Aroclor-1016-4	(4)	50563747	52419789	53619076	54941428	44946700	51298148	8
Aroclor-1016-5	(5)	47772963	49344036	50670668	50888564	42515680	48238382	7
Aroclor-1260-1	(1)	90879847	94857525	98814986	99659744	95910940	96024608	4
Aroclor-1260-2	(2)	137163459	142386411	147498372	149887700	138450980	143077384	4
Aroclor-1260-3	(3)	110350751	114445481	117702804	126515524	91505860	112104084	12
Aroclor-1260-4	(4)	105570732	110780085	111211068	131260612	105501660	112864831	9
Aroclor-1260-5	(5)	220536830	229070229	228919678	255108180	199231240	226573231	9
Decachlorobiphenyl		1409816860	1467002307	1522583160	1539948480	1300700600	1448010281	7
Tetrachloro-m-xylene		1947183160	2005072840	2066603680	2100352680	1793966200	1982635712	6
Aroclor-1242-1	(1)	53870259	55684409	58494980	58676784	47130380	54771362	9
Aroclor-1242-2	(2)	81881116	85641493	90236470	89744200	77399340	84980524	6
Aroclor-1242-3	(3)	49423643	51294363	53309060	53836868	47752740	51123335	5
Aroclor-1242-4	(4)	41638031	42855355	45034468	44656444	36858500	42208560	8
Aroclor-1242-5	(5)	44955701	46392219	48330700	47956460	43817460	46290508	4
Decachlorobiphenyl		1368547670	1421241013	1488838040	1503303480	1179092600	1392204561	9
Tetrachloro-m-xylene		1868945350	1926494133	2017272340	2030390160	1613146400	1891249677	9
Aroclor-1248-1	(1)	42447397	43370463	44490672	45736348	38649560	42938888	6
Aroclor-1248-2	(2)	57932834	60215229	62023042	63285912	58705480	60432499	4
Aroclor-1248-3	(3)	65030901	68053485	69372090	70318056	61147600	66784426	6
Aroclor-1248-4	(4)	80777360	84441085	86910244	89142916	81782860	84610893	4
Aroclor-1248-5	(5)	76029464	78502729	80776474	83552224	78380620	79448302	4
Decachlorobiphenyl		1379130770	1440268240	1485619680	1521197800	1358343200	1436911938	5
Tetrachloro-m-xylene		1879191440	1925518227	1989640420	2037603040	1811949400	1928780505	5
Aroclor-1254-1	(1)	78574372	81246615	85577334	88598188	75759400	81951182	6
Aroclor-1254-2	(2)	121624435	125816099	132146328	137115708	118678260	127076166	6
Aroclor-1254-3	(3)	123432630	127799839	132981654	137623252	117036460	127774767	6
Aroclor-1254-4	(4)	112512019	116259037	121737436	124392856	112665620	117513394	5
Aroclor-1254-5	(5)	106399089	105922557	113785120	116153044	96391680	107730298	7
Decachlorobiphenyl		1410101810	1469202520	1526389740	1549706840	1328725400	1456825262	6
Tetrachloro-m-xylene		1888241120	1936990333	2012368600	2071565920	1722515200	1926336235	7
Aroclor-1268-1	(1)	299594266	309097848	319744804	331826088	282063800	308465361	6

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	251109850	259047004	267960354	275856908	228123960	256419615	7
Aroclor-1268-3	(3)	211915080	218354113	225284280	231505696	216470880	220706010	4
Aroclor-1268-4	(4)	93231632	96431025	99007040	98059984	82736300	93893196	7
Aroclor-1268-5	(5)	590082071	603740247	621062448	631335032	536707900	596585540	6
Decachlorobiphenyl		2486623660	2556709627	2669414960	2694667240	2263272000	2534137497	7
Tetrachloro-m-xylene		1883977950	1931567613	1982008260	2006991440	1590966000	1879102253	9

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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PP071389.D **CF 750 =** PP071390.D

CF 500 = PP071391.D **CF 250 =** PP071392.D **CF 050 =** PP071393.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	48121828	49414308	53806128	56180596	60145020	53533576	9
Aroclor-1016-2	(2)	69736709	72096436	77213744	78520924	84250740	76363711	7
Aroclor-1016-3	(3)	38517048	40455577	43831736	45082616	43165080	42210411	6
Aroclor-1016-4	(4)	31206636	32814844	36123020	37095092	35190100	34485938	7
Aroclor-1016-5	(5)	39458687	41985771	45850608	46345748	48595640	44447291	8
Aroclor-1260-1	(1)	63219917	66123699	73727666	76350368	82074520	72299234	11
Aroclor-1260-2	(2)	77338708	77548395	89921718	91492956	101005300	87461415	12
Aroclor-1260-3	(3)	72062678	70944365	81698234	79344004	87888600	78387576	9
Aroclor-1260-4	(4)	57333188	56779915	65331750	68083052	68025140	63110609	9
Aroclor-1260-5	(5)	143809415	139161576	155842678	157512280	157560640	150777318	6
Decachlorobiphenyl		831147600	875337973	902319620	934998560	841460400	877052831	5
Tetrachloro-m-xylene		1380433570	1378340613	1415112020	1448341640	1420974200	1408640409	2
Aroclor-1242-1	(1)	42717527	44660211	47919806	49576672	46343800	46243603	6
Aroclor-1242-2	(2)	62346958	64901092	68295906	70279172	64290540	66022734	5
Aroclor-1242-3	(3)	34614031	35703872	38469574	40739776	32714120	36448275	9
Aroclor-1242-4	(4)	33518120	34659665	37548334	39683016	33143760	35710579	8
Aroclor-1242-5	(5)	41214500	42688541	44971456	47258656	41407120	43508055	6
Decachlorobiphenyl		815615080	851726400	897002660	917481280	766770800	849719244	7
Tetrachloro-m-xylene		1295159620	1325412680	1503876340	1432488040	1389045200	1389196376	6
Aroclor-1248-1	(1)	30996932	35945815	36538014	39256084	37796080	36106585	9
Aroclor-1248-2	(2)	43624561	47309389	48616518	53505512	51756020	48962400	8
Aroclor-1248-3	(3)	45791659	49899927	50774174	56002176	52959580	51085503	7
Aroclor-1248-4	(4)	53871444	58562581	58680784	64889280	67282380	60657294	9
Aroclor-1248-5	(5)	52150607	56290108	57608714	65271236	60133720	58290877	8
Decachlorobiphenyl		826375100	860756013	900400040	940375840	921771600	889935719	5
Tetrachloro-m-xylene		1324712230	1514156880	1548203640	1434858960	1416930600	1447772462	6
Aroclor-1254-1	(1)	81690839	87361264	89755404	97285536	100908960	91400401	8
Aroclor-1254-2	(2)	70045476	75469849	77317914	83154376	87573280	78712179	9
Aroclor-1254-3	(3)	109725744	114103376	120096818	124380164	124235440	118508308	5
Aroclor-1254-4	(4)	70169900	74068720	77810162	81877428	81901880	77165618	7
Aroclor-1254-5	(5)	92229111	96109599	104690794	107384400	106924600	101467701	7
Decachlorobiphenyl		846307500	875335867	916104900	955261880	868223800	892246789	5
Tetrachloro-m-xylene		1390553300	1501013893	1450901500	1518608160	1468503000	1465915971	3
Aroclor-1268-1	(1)	181860271	188460193	203483780	205414332	201904640	196224643	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)	154801411	159518377	172755008	173272408	170561360	166181713	5
Aroclor-1268-3	(3)	128491160	133089205	143083692	144773184	135469120	136981272	5
Aroclor-1268-4	(4)	56964280	59695839	63521398	64177792	55793320	60030526	6
Aroclor-1268-5	(5)	367021219	377695863	385175068	387479012	342861840	372046600	5
Decachlorobiphenyl		1499051200	1546040093	1602790460	1652739760	1464953600	1553115023	5
Tetrachloro-m-xylene		1476470990	1445952813	1464214380	1457737600	1300882000	1429051557	5

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Instrument ID: ECD_P **Date(s) Analyzed:** 04/22/2025 04/22/2025

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	4.72	4.62	4.82	24116800
		2	4.80	4.70	4.90	18016900
		3	4.88	4.78	4.98	56611200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	44912000
		2	5.40	5.30	5.50	23013000
		3	5.69	5.59	5.79	47217600
		4	5.85	5.75	5.95	23179400
		5	5.94	5.84	6.04	16145700
Aroclor-1262	500	1	8.10	8.00	8.20	144491000
		2	8.42	8.32	8.52	274186000
		3	8.74	8.64	8.84	182878000
		4	8.82	8.72	8.92	134211000
		5	9.48	9.38	9.58	88162000

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Instrument ID: ECD_P **Date(s) Analyzed:** 04/22/2025 04/22/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.02	3.92	4.12	21995000
		2	4.11	4.01	4.21	16561700
		3	4.19	4.09	4.29	48477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	38317800
		2	4.92	4.82	5.02	38187400
		3	5.09	4.99	5.19	21175200
		4	5.18	5.08	5.28	18540400
		5	5.35	5.25	5.45	19901900
Aroclor-1262	500	1	6.94	6.84	7.04	113612000
		2	7.20	7.10	7.30	92339400
		3	7.72	7.62	7.82	75694400
		4	7.79	7.69	7.89	124826000
		5	8.29	8.19	8.39	55493200

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:29
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: Apr 22 11:18:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.511	3.811	194.7E6	138.0E6	97.025	98.760
2)	SA Decachlor...	10.230	8.849	141.0E6	83114760	96.154	95.894
	Target Compounds						
3)	L1 AR-1016-1	5.664	4.897	64709894	48121828	960.134	944.232
4)	L1 AR-1016-2	5.686	4.915	98977911	69736709	959.335	949.119
5)	L1 AR-1016-3	5.749	5.092	59905708	38517048	964.650	935.461
6)	L1 AR-1016-4	5.846	5.134	50563747	31206636	970.673	926.980
7)	L1 AR-1016-5	6.139	5.349	47772963	39458687	970.565	925.074
31)	L7 AR-1260-1	7.259	6.384	90879847	63219917	958.169	923.272
32)	L7 AR-1260-2	7.512	6.572	137.2E6	77338708	963.694	924.770
33)	L7 AR-1260-3	7.872	6.726	110.4E6	72062678	967.762	937.334
34)	L7 AR-1260-4	8.095	7.197	105.6E6	57333188	973.982	934.793
35)	L7 AR-1260-5	8.416	7.439	220.5E6	143.8E6	981.349	959.843

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

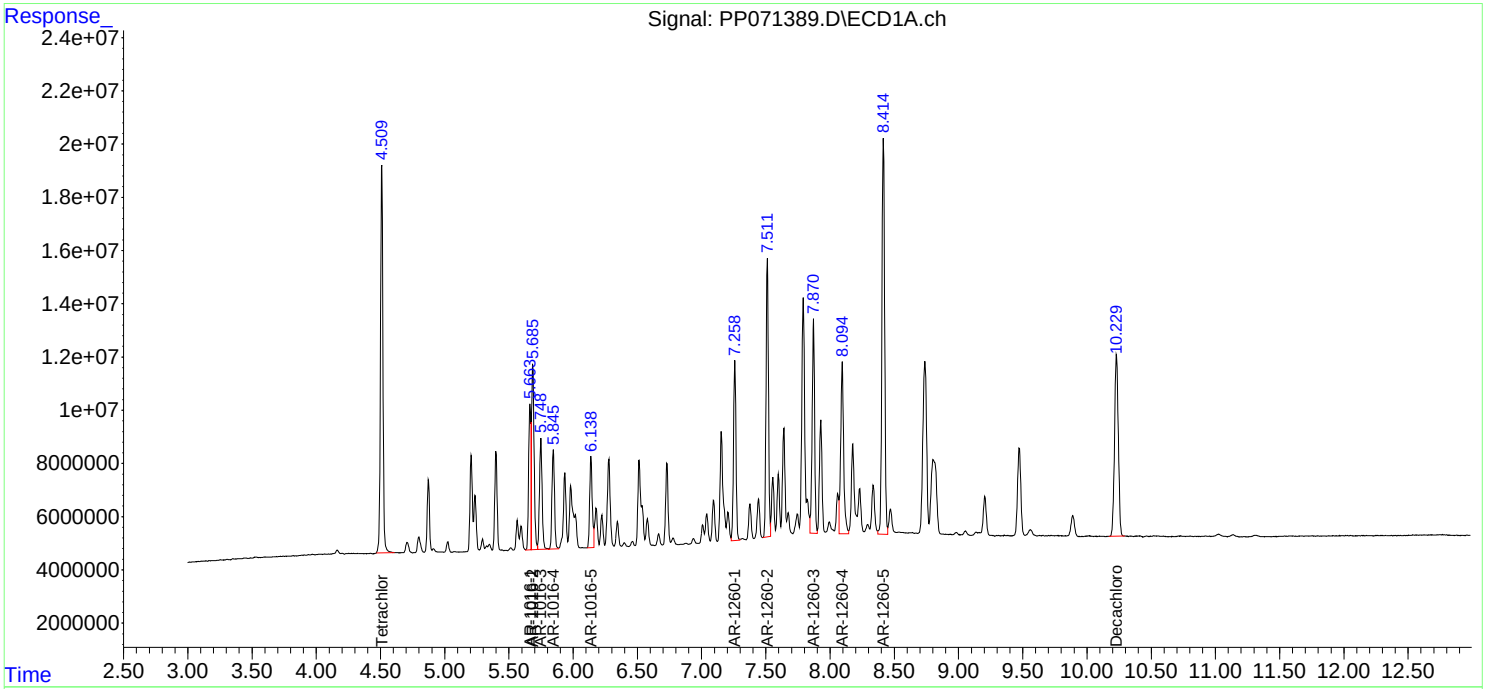
ICAL Form

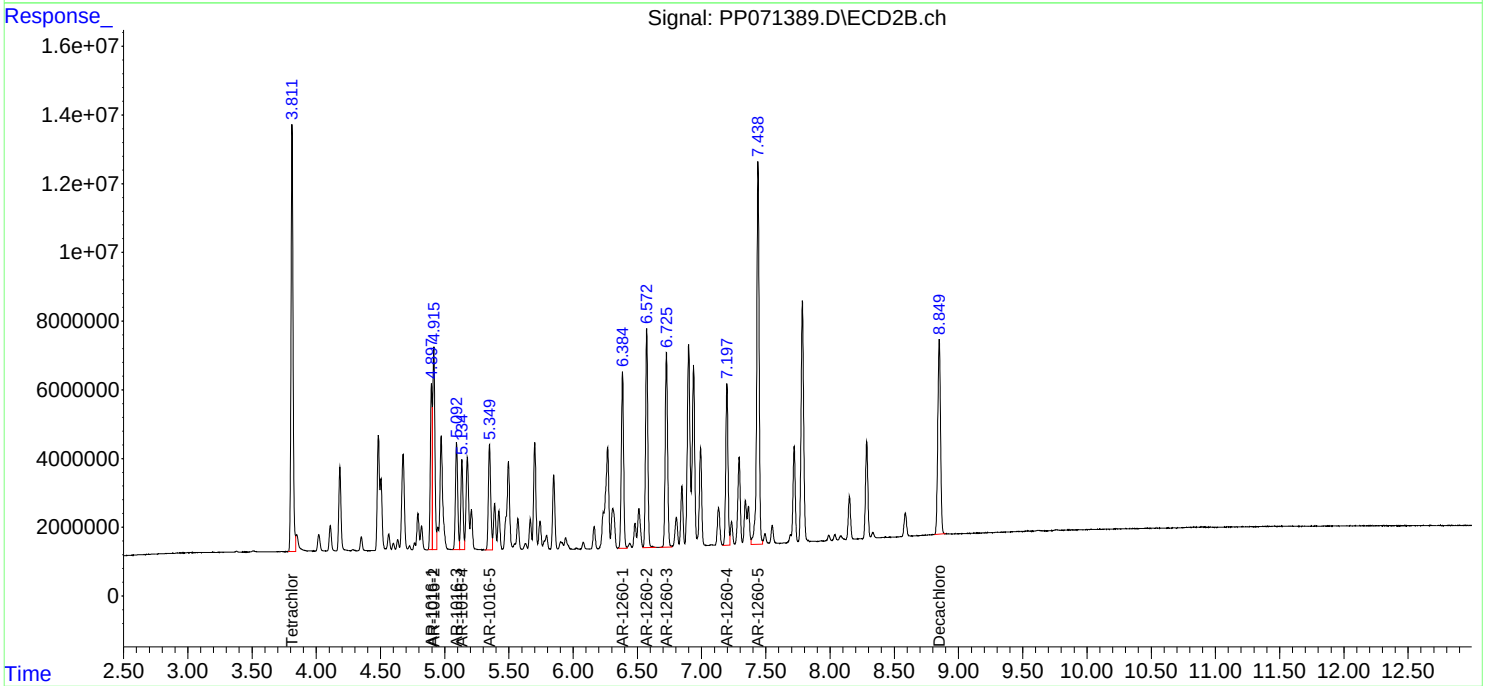
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:29
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

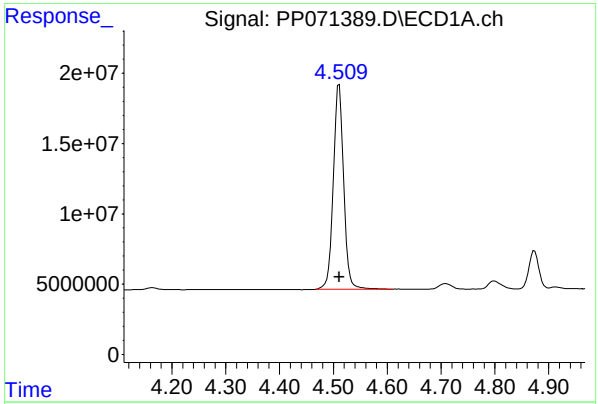
Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:18:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



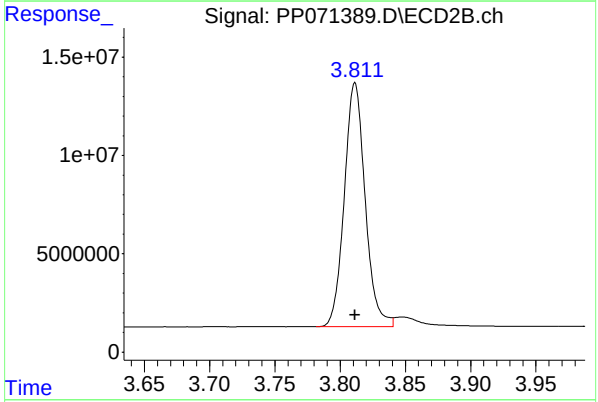




#1 Tetrachloro-m-xylene

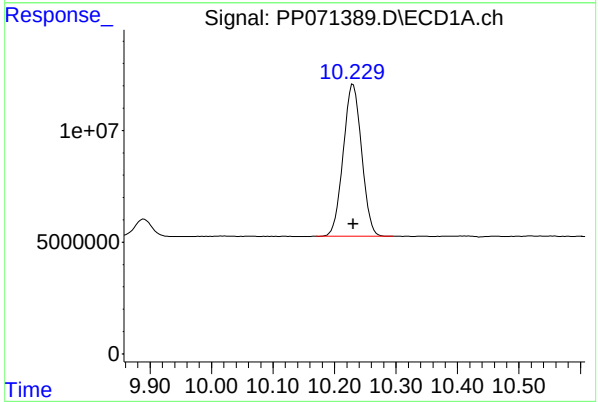
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 194718316
Conc: 97.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



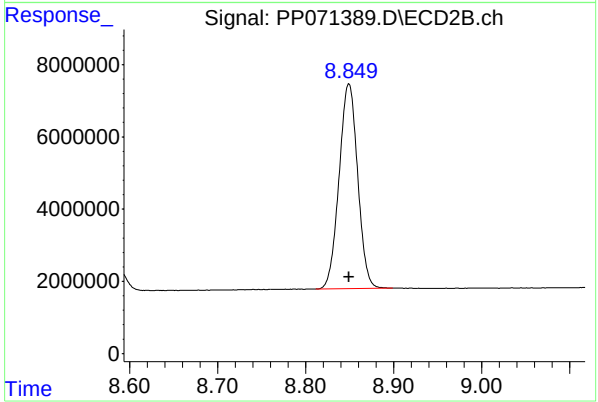
#1 Tetrachloro-m-xylene

R.T.: 3.811 min
Delta R.T.: 0.000 min
Response: 138043357
Conc: 98.76 ng/ml



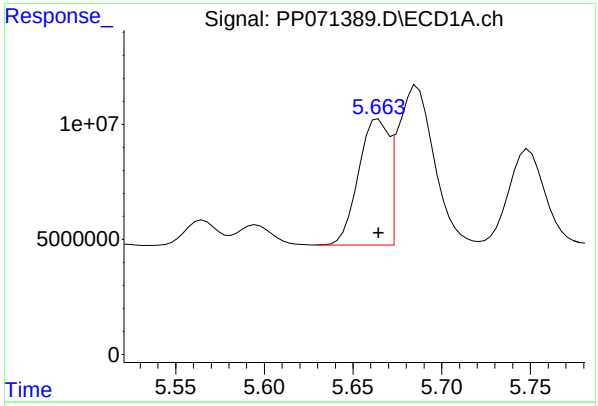
#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 140981686
Conc: 96.15 ng/ml



#2 Decachlorobiphenyl

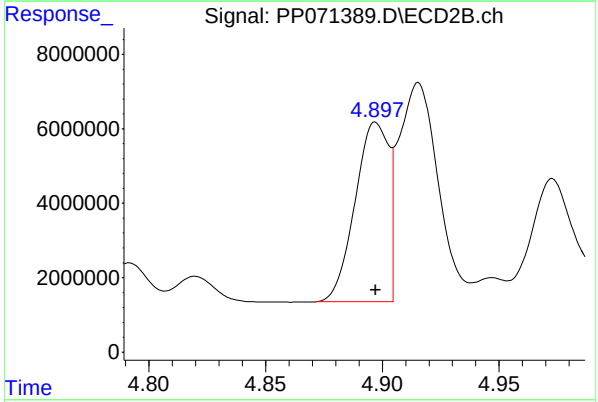
R.T.: 8.849 min
Delta R.T.: 0.000 min
Response: 83114760
Conc: 95.89 ng/ml



#3 AR-1016-1

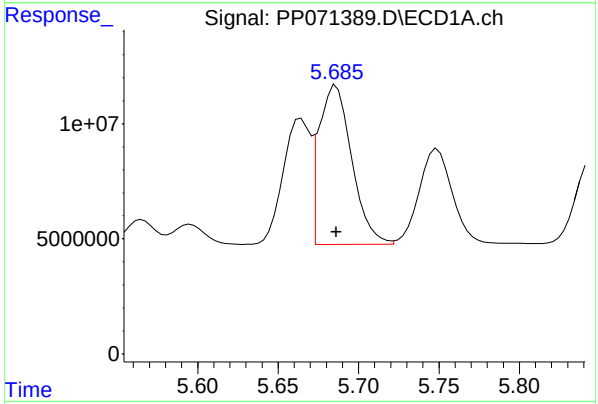
R.T.: 5.664 min
Delta R.T.: 0.000 min
Response: 64709894
Conc: 960.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



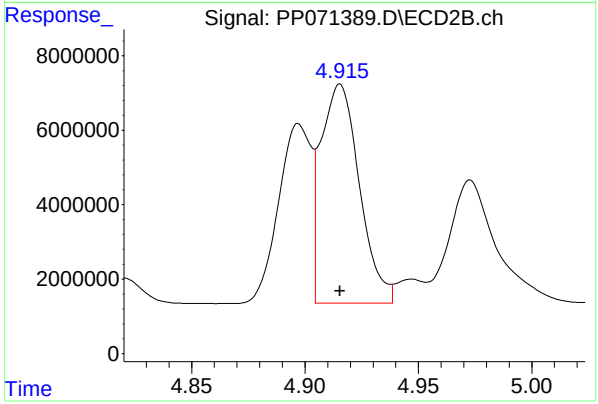
#3 AR-1016-1

R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 48121828
Conc: 944.23 ng/ml



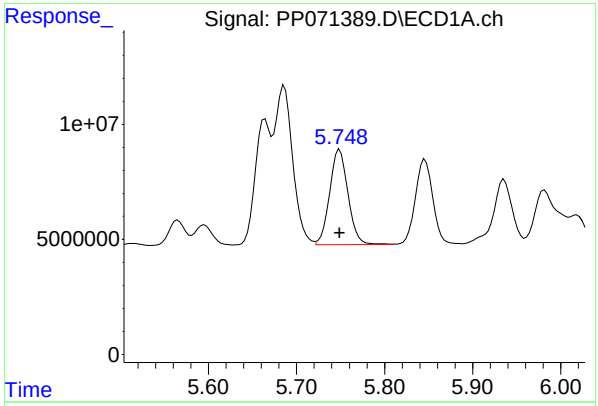
#4 AR-1016-2

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 98977911
Conc: 959.33 ng/ml



#4 AR-1016-2

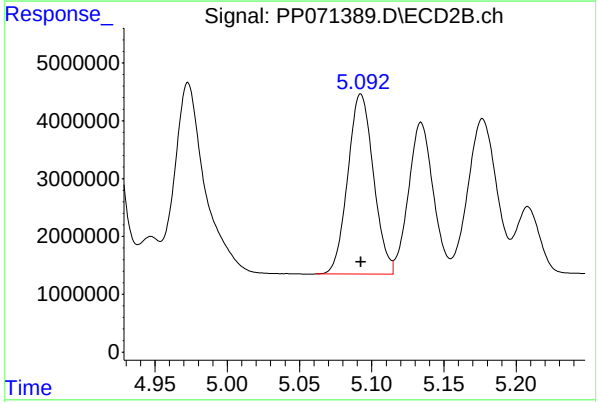
R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 69736709
Conc: 949.12 ng/ml



#5 AR-1016-3

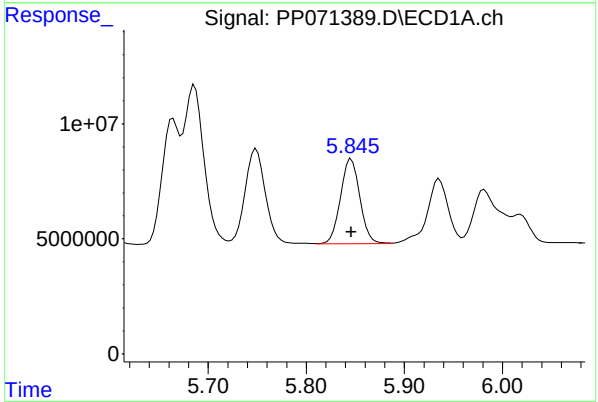
R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 59905708
Conc: 964.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



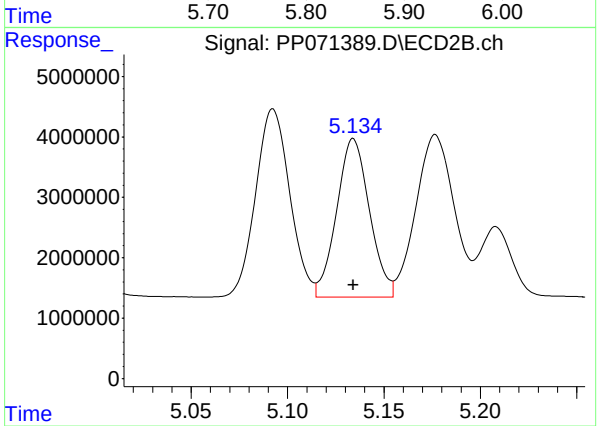
#5 AR-1016-3

R.T.: 5.092 min
Delta R.T.: 0.000 min
Response: 38517048
Conc: 935.46 ng/ml



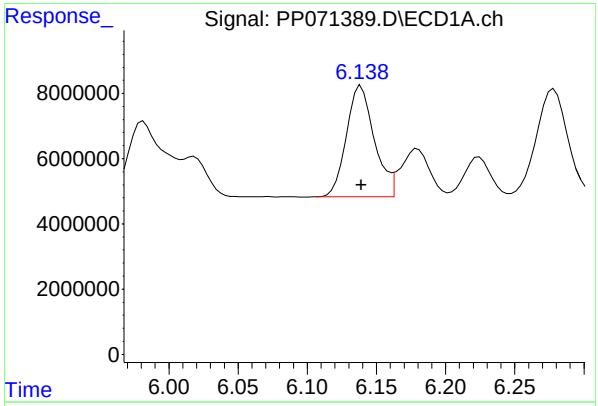
#6 AR-1016-4

R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 50563747
Conc: 970.67 ng/ml



#6 AR-1016-4

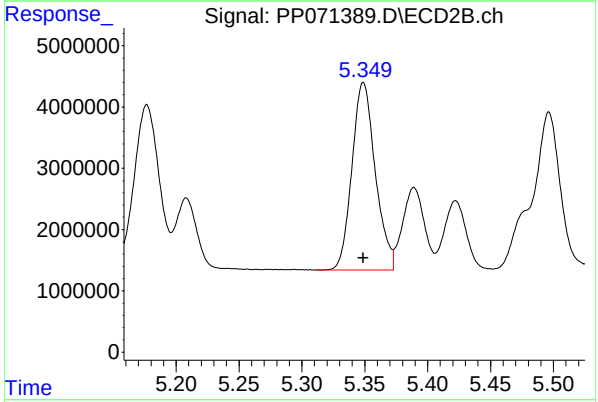
R.T.: 5.134 min
Delta R.T.: 0.000 min
Response: 31206636
Conc: 926.98 ng/ml



#7 AR-1016-5

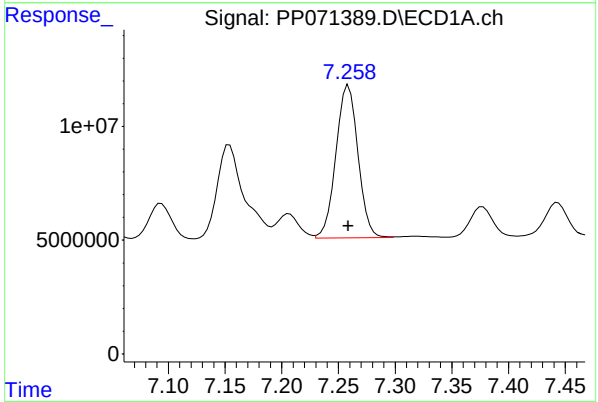
R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 47772963
Conc: 970.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



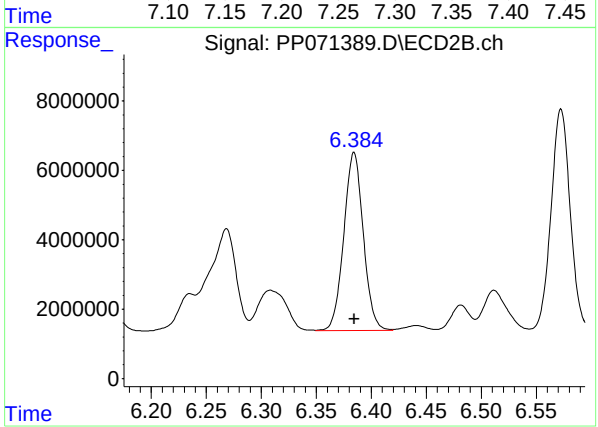
#7 AR-1016-5

R.T.: 5.349 min
Delta R.T.: 0.000 min
Response: 39458687
Conc: 925.07 ng/ml



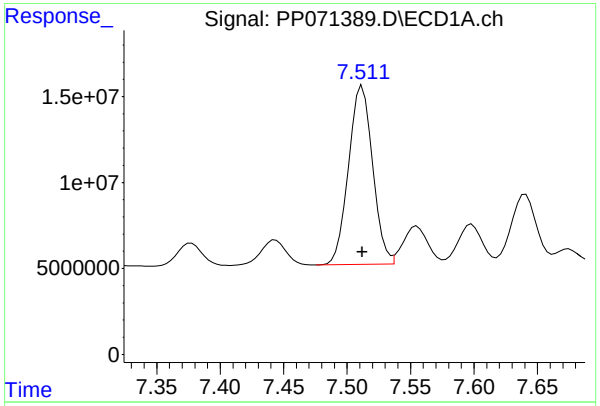
#31 AR-1260-1

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 90879847
Conc: 958.17 ng/ml



#31 AR-1260-1

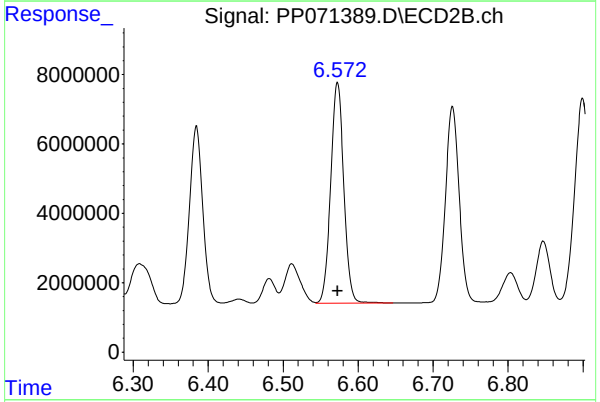
R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 63219917
Conc: 923.27 ng/ml



#32 AR-1260-2

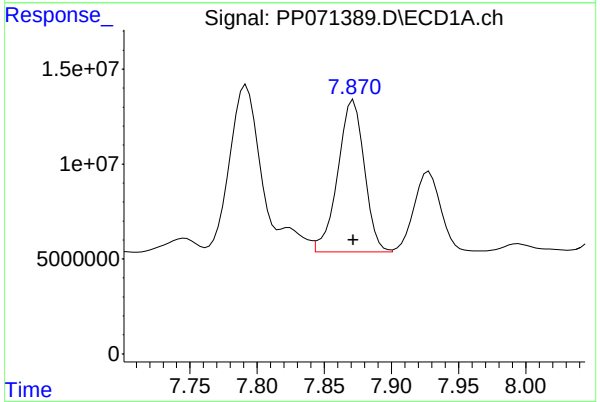
R.T.: 7.512 min
Delta R.T.: 0.000 min
Response: 137163459
Conc: 963.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



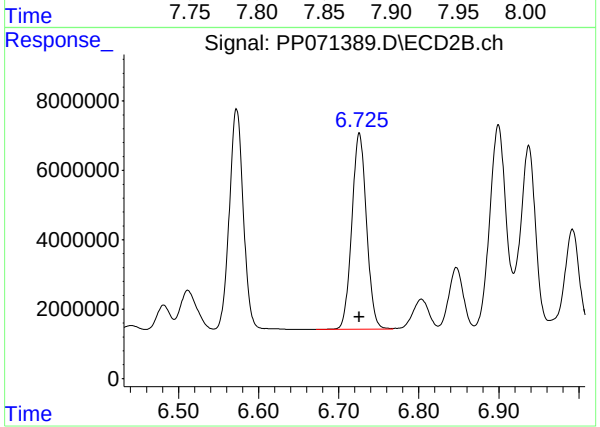
#32 AR-1260-2

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 77338708
Conc: 924.77 ng/ml



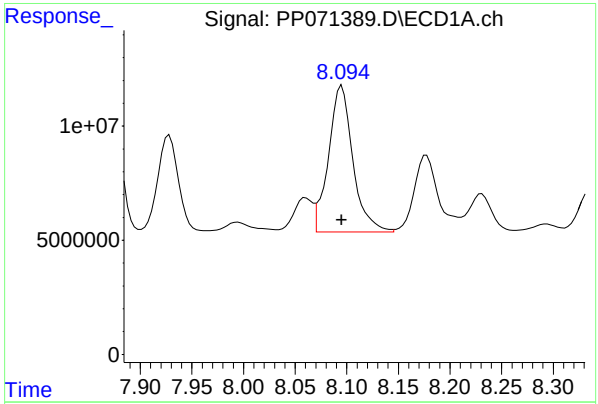
#33 AR-1260-3

R.T.: 7.872 min
Delta R.T.: 0.000 min
Response: 110350751
Conc: 967.76 ng/ml



#33 AR-1260-3

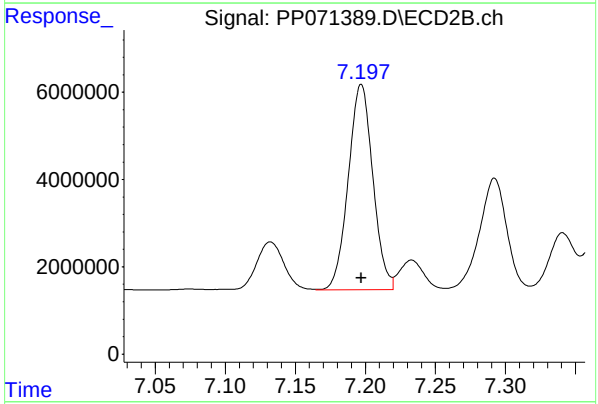
R.T.: 6.726 min
Delta R.T.: 0.000 min
Response: 72062678
Conc: 937.33 ng/ml



#34 AR-1260-4

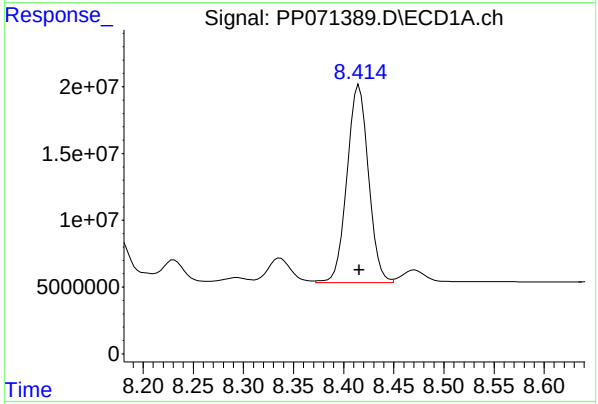
R.T.: 8.095 min
Delta R.T.: 0.000 mi
Response: 105570732
Conc: 973.98 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



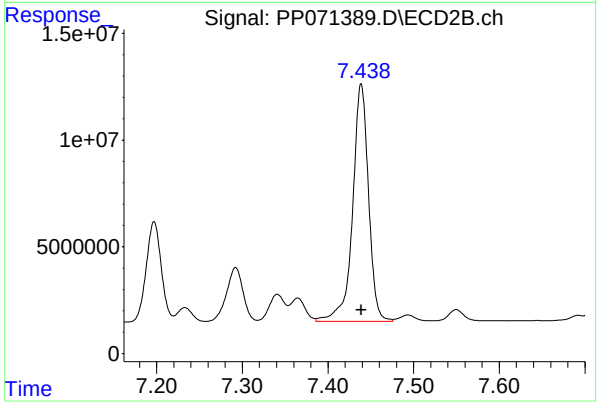
#34 AR-1260-4

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 57333188
Conc: 934.79 ng/ml



#35 AR-1260-5

R.T.: 8.416 min
Delta R.T.: 0.000 min
Response: 220536830
Conc: 981.35 ng/ml



#35 AR-1260-5

R.T.: 7.439 min
Delta R.T.: 0.000 min
Response: 143809415
Conc: 959.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:45
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: Apr 22 11:20:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.811	150.4E6	103.4E6	74.955	74.302
2)	SA Decachlor...	10.233	8.848	110.0E6	65650348	75.027	75.495
	Target Compounds						
3)	L1 AR-1016-1	5.668	4.897	50739521	37060731	751.897	734.641
4)	L1 AR-1016-2	5.690	4.915	76773673	54072327	746.071	740.558
5)	L1 AR-1016-3	5.752	5.092	46595357	30341683	750.210	741.220
6)	L1 AR-1016-4	5.849	5.134	39314842	24611133	753.145	737.269
7)	L1 AR-1016-5	6.142	5.349	37008027	31489328	751.240	742.118
31)	L7 AR-1260-1	7.261	6.383	71143144	49592774	750.053	732.641
32)	L7 AR-1260-2	7.514	6.572	106.8E6	58161296	750.195	712.735
33)	L7 AR-1260-3	7.873	6.725	85834111	53208274	751.834	710.374
34)	L7 AR-1260-4	8.097	7.197	83085064	42584936	760.941	711.945
35)	L7 AR-1260-5	8.418	7.438	171.8E6	104.4E6	759.599	713.546

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

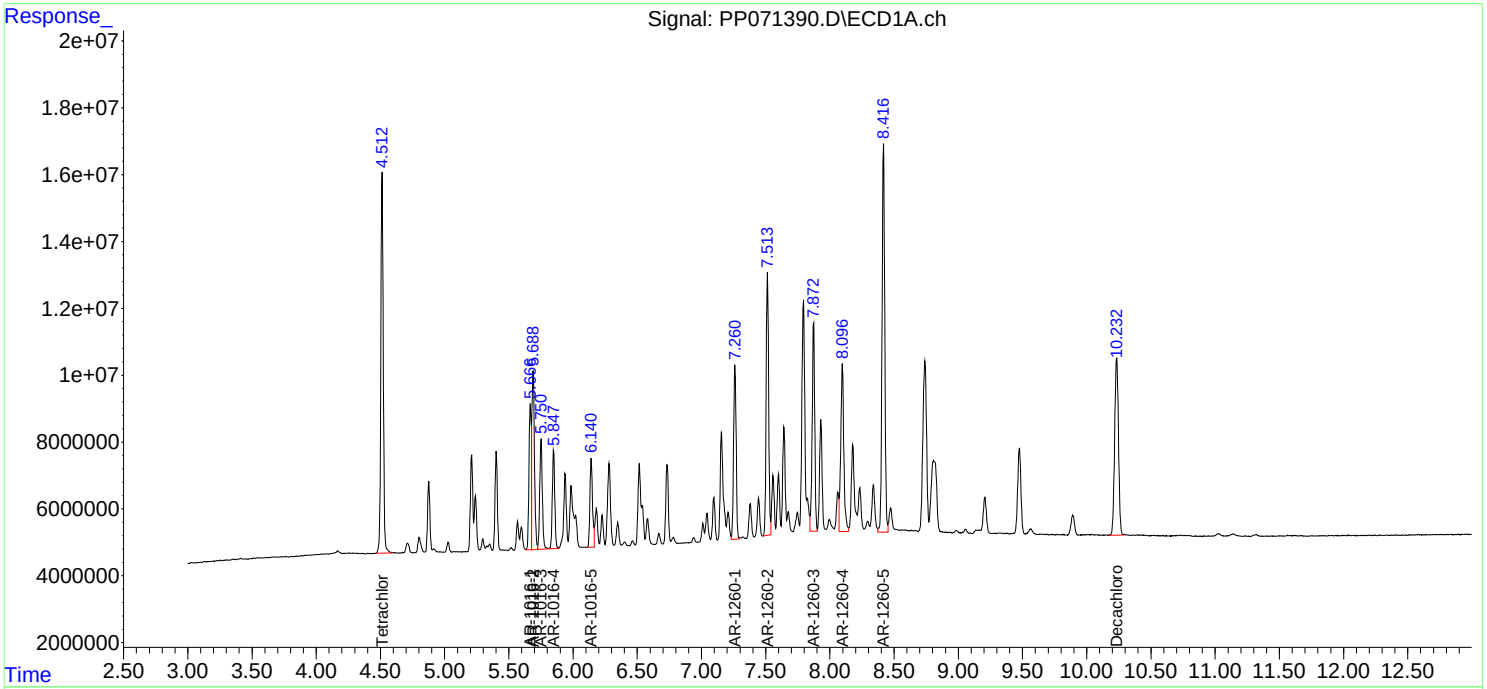
ICAL Form

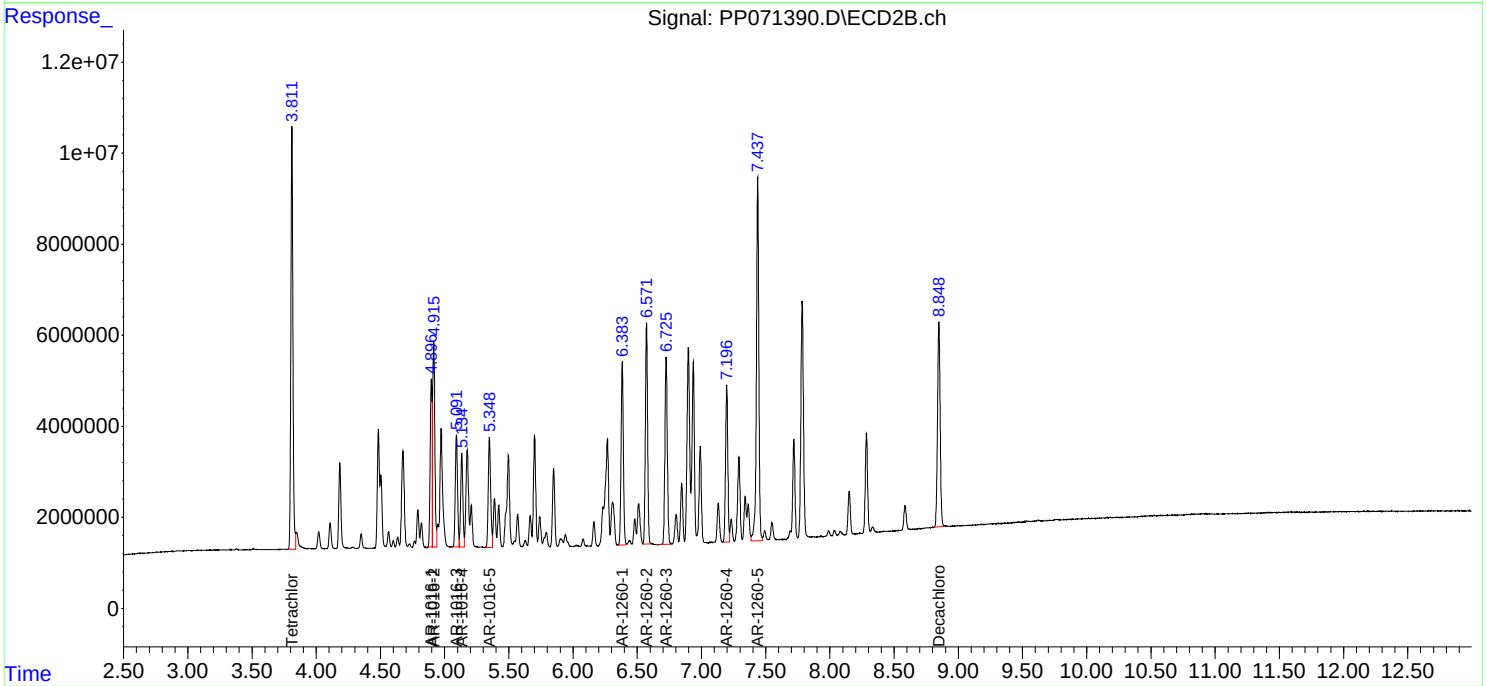
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:45
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

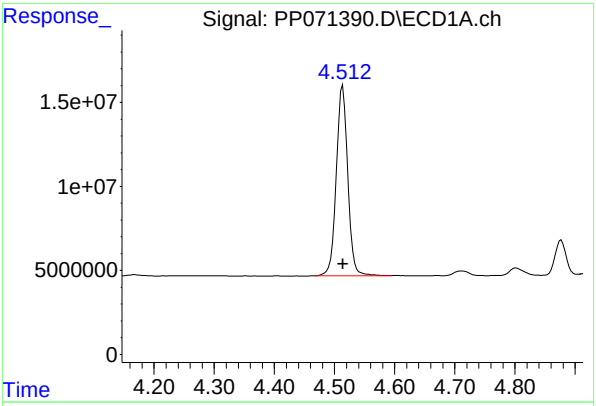
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:20:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



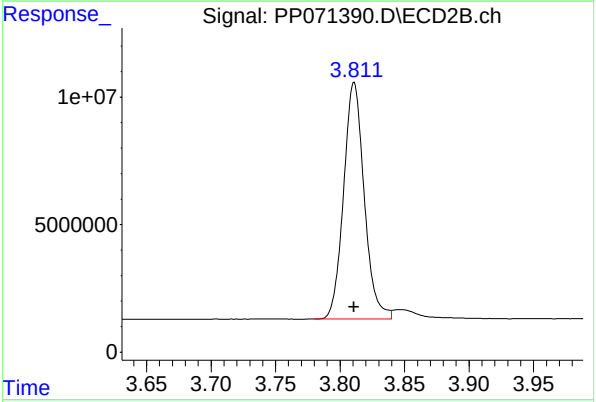




#1 Tetrachloro-m-xylene

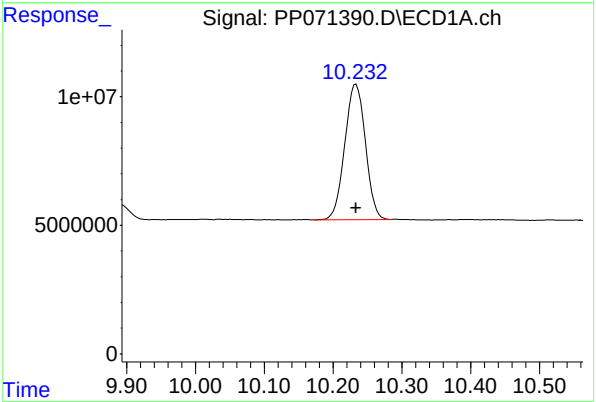
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 150380463
Conc: 74.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



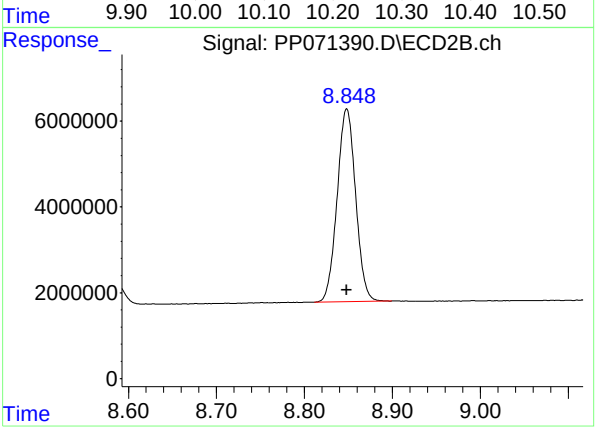
#1 Tetrachloro-m-xylene

R.T.: 3.811 min
Delta R.T.: 0.000 min
Response: 103375546
Conc: 74.30 ng/ml



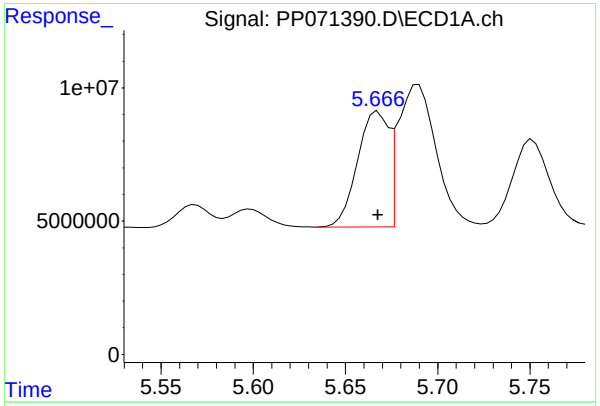
#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: 0.000 min
Response: 110025173
Conc: 75.03 ng/ml



#2 Decachlorobiphenyl

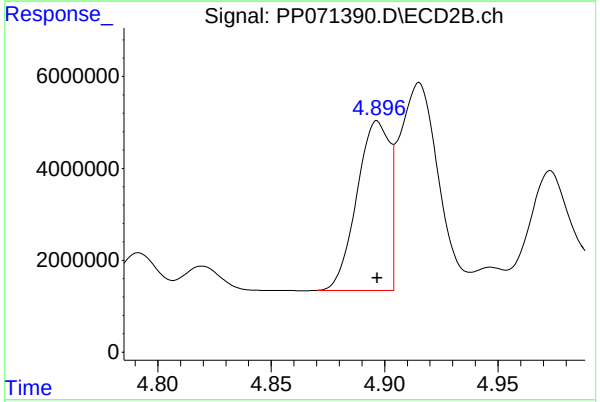
R.T.: 8.848 min
Delta R.T.: 0.000 min
Response: 65650348
Conc: 75.49 ng/ml



#3 AR-1016-1

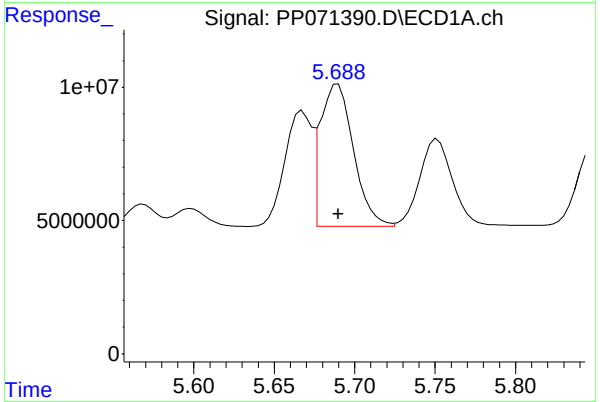
R.T.: 5.668 min
Delta R.T.: 0.000 min
Response: 50739521
Conc: 751.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



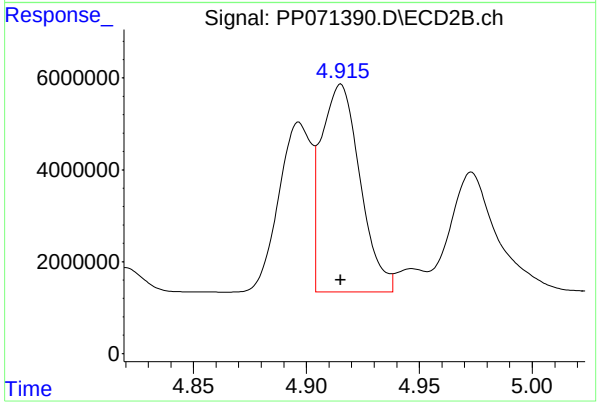
#3 AR-1016-1

R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 37060731
Conc: 734.64 ng/ml



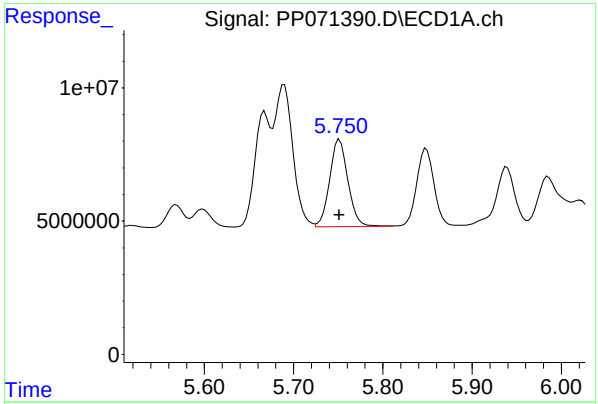
#4 AR-1016-2

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 76773673
Conc: 746.07 ng/ml



#4 AR-1016-2

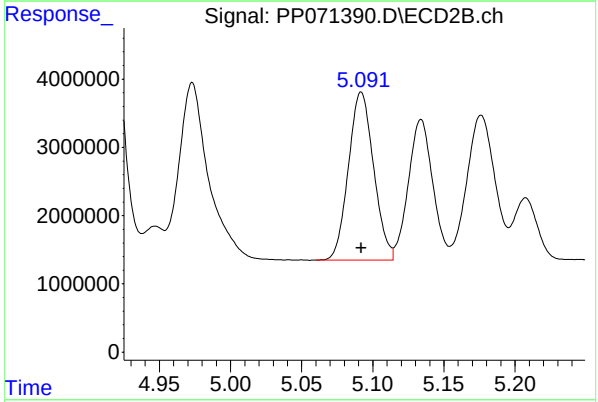
R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 54072327
Conc: 740.56 ng/ml



#5 AR-1016-3

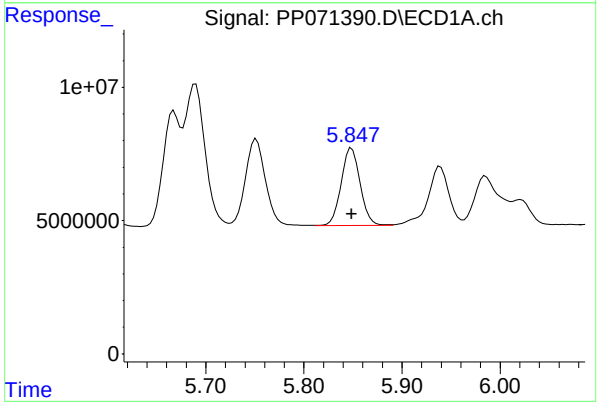
R.T.: 5.752 min
Delta R.T.: 0.000 min
Response: 46595357
Conc: 750.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



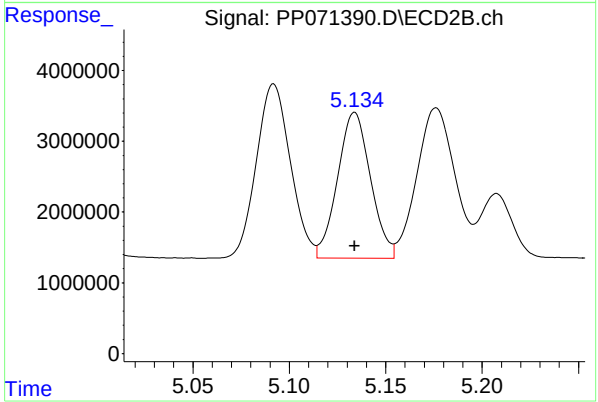
#5 AR-1016-3

R.T.: 5.092 min
Delta R.T.: 0.000 min
Response: 30341683
Conc: 741.22 ng/ml



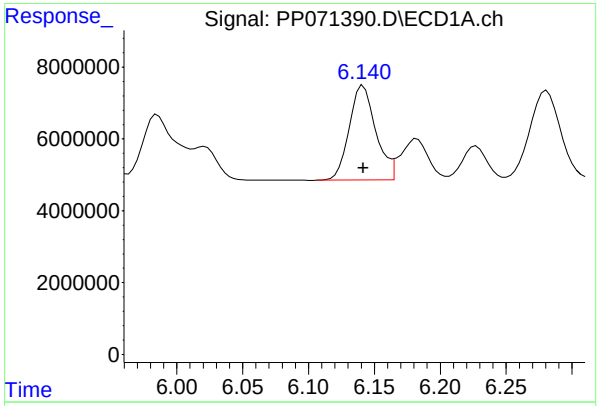
#6 AR-1016-4

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 39314842
Conc: 753.15 ng/ml



#6 AR-1016-4

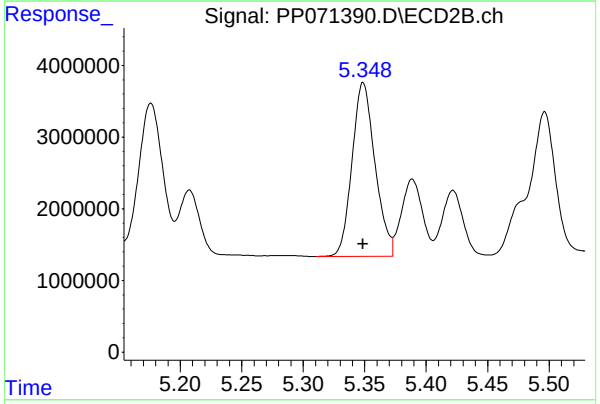
R.T.: 5.134 min
Delta R.T.: 0.000 min
Response: 24611133
Conc: 737.27 ng/ml



#7 AR-1016-5

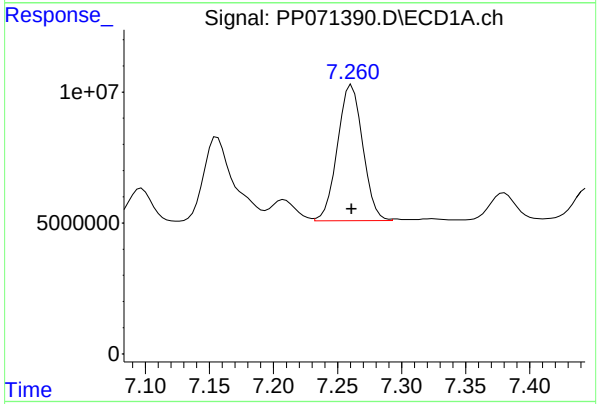
R.T.: 6.142 min
Delta R.T.: 0.000 min
Response: 37008027
Conc: 751.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



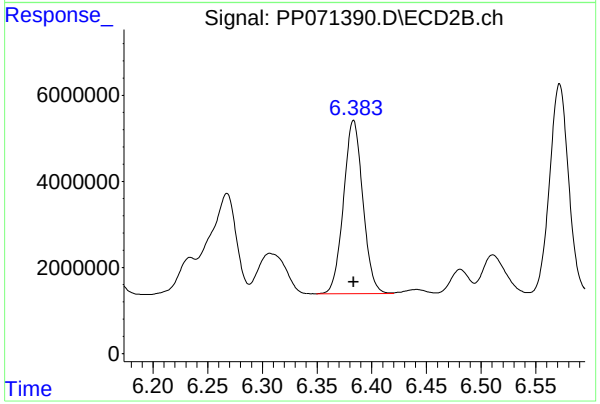
#7 AR-1016-5

R.T.: 5.349 min
Delta R.T.: 0.000 min
Response: 31489328
Conc: 742.12 ng/ml



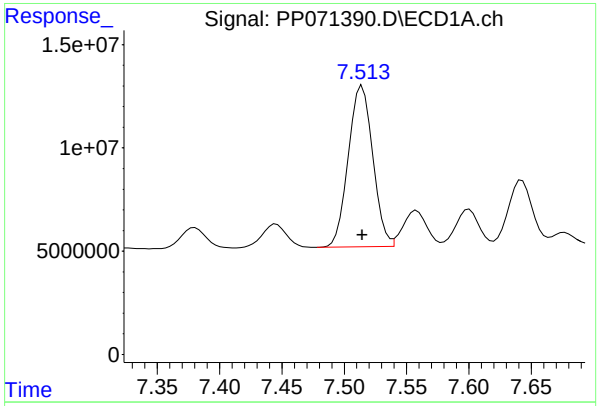
#31 AR-1260-1

R.T.: 7.261 min
Delta R.T.: 0.000 min
Response: 71143144
Conc: 750.05 ng/ml



#31 AR-1260-1

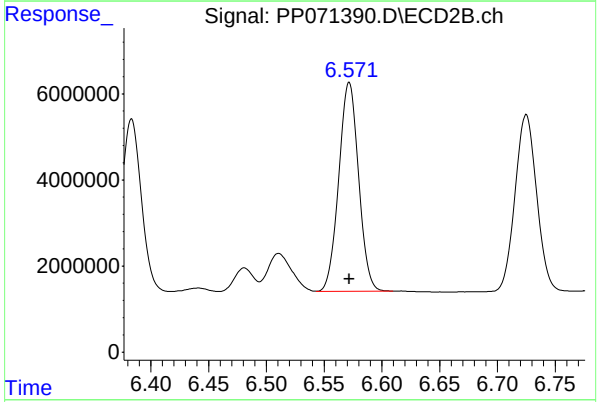
R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 49592774
Conc: 732.64 ng/ml



#32 AR-1260-2

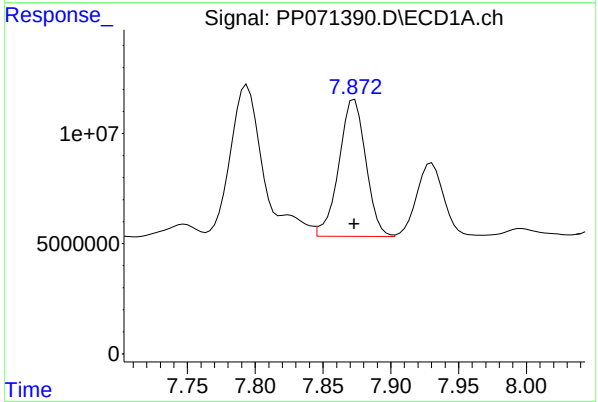
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 106789808
Conc: 750.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



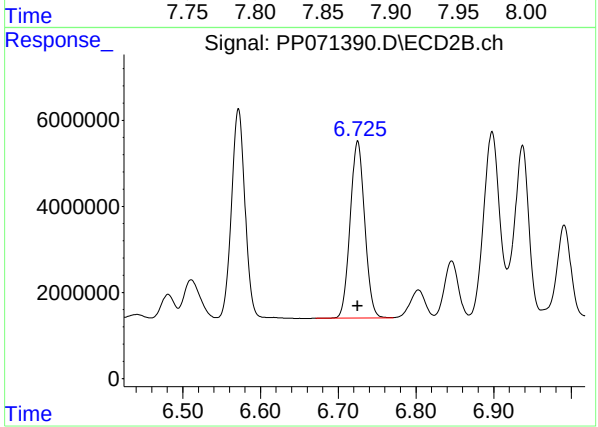
#32 AR-1260-2

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 58161296
Conc: 712.74 ng/ml



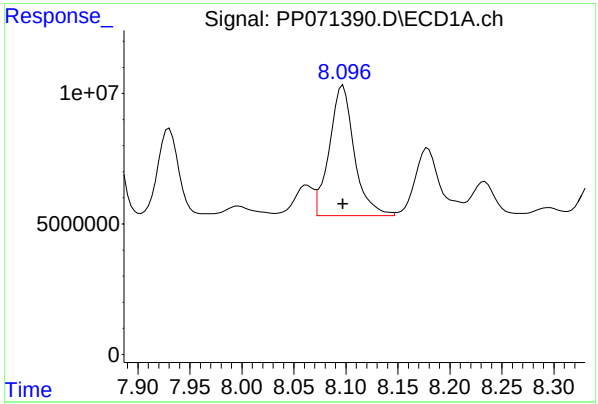
#33 AR-1260-3

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 85834111
Conc: 751.83 ng/ml



#33 AR-1260-3

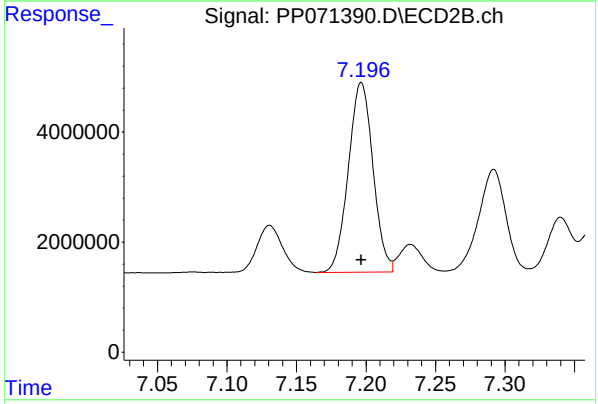
R.T.: 6.725 min
Delta R.T.: 0.000 min
Response: 53208274
Conc: 710.37 ng/ml



#34 AR-1260-4

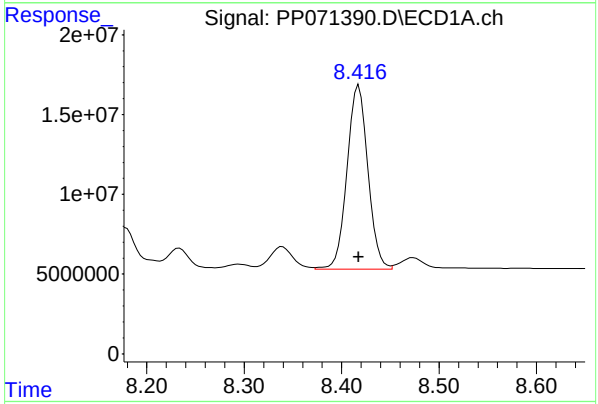
R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 83085064
Conc: 760.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



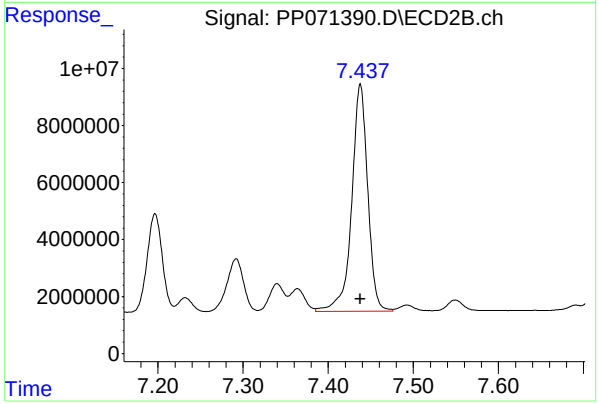
#34 AR-1260-4

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 42584936
Conc: 711.94 ng/ml



#35 AR-1260-5

R.T.: 8.418 min
Delta R.T.: 0.000 min
Response: 171802672
Conc: 759.60 ng/ml



#35 AR-1260-5

R.T.: 7.438 min
Delta R.T.: 0.000 min
Response: 104371182
Conc: 713.55 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:02
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: Apr 22 11:15:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.517	3.812	103.3E6	70755601	50.000	50.000
2) SA	Decachlor...	10.237	8.849	76129158	45115981	50.000	50.000
	Target Compounds						
3) L1	AR-1016-1	5.671	4.898	35041766	26903064	500.000	500.000
4) L1	AR-1016-2	5.693	4.916	53684537	38606872	500.000	500.000
5) L1	AR-1016-3	5.754	5.093	32148154	21915868	500.000	500.000
6) L1	AR-1016-4	5.852	5.136	26809538	18061510	500.000	500.000
7) L1	AR-1016-5	6.145	5.350	25335334	22925304	500.000	500.000
31) L7	AR-1260-1	7.265	6.385	49407493	36863833	500.000	500.000
32) L7	AR-1260-2	7.518	6.573	73749186	44960859	500.000	500.000
33) L7	AR-1260-3	7.877	6.727	58851402	40849117	500.000	500.000
34) L7	AR-1260-4	8.102	7.198	55605534	32665875	500.000	500.000
35) L7	AR-1260-5	8.422	7.439	114.5E6	77921339	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

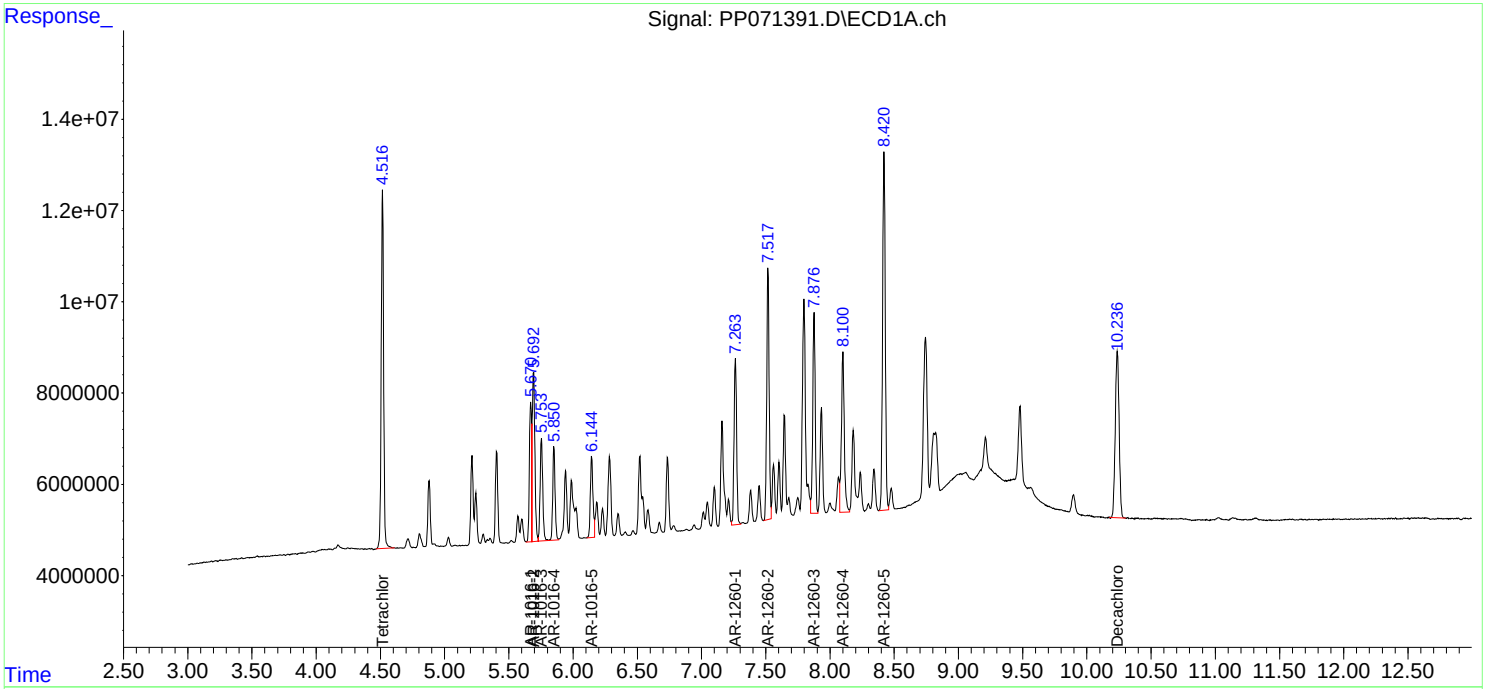
ICAL Form

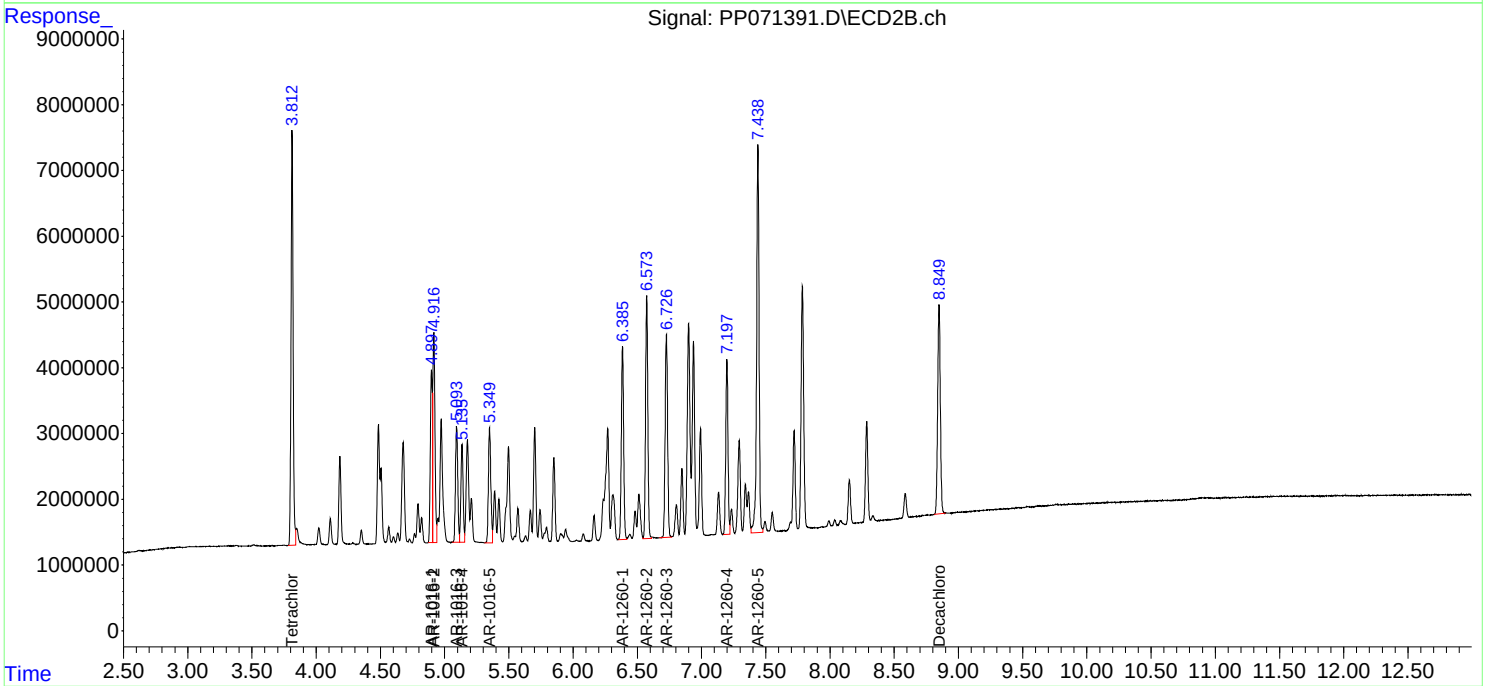
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:02
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

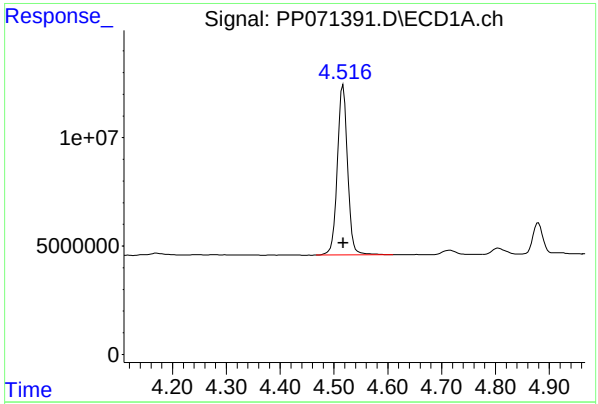
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:15:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



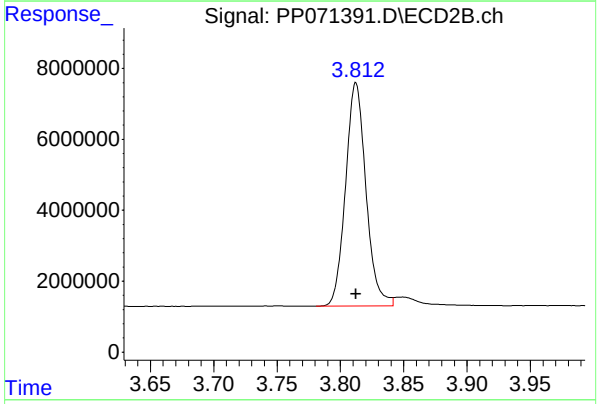




#1 Tetrachloro-m-xylene

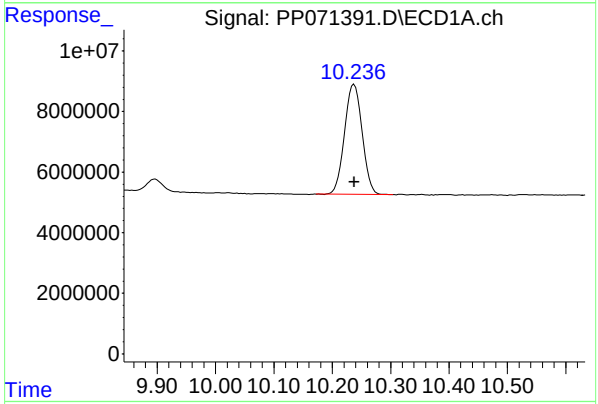
R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 103330184
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



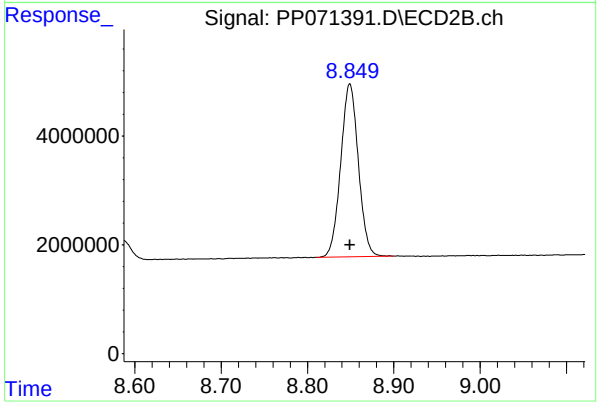
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 70755601
Conc: 50.00 ng/ml



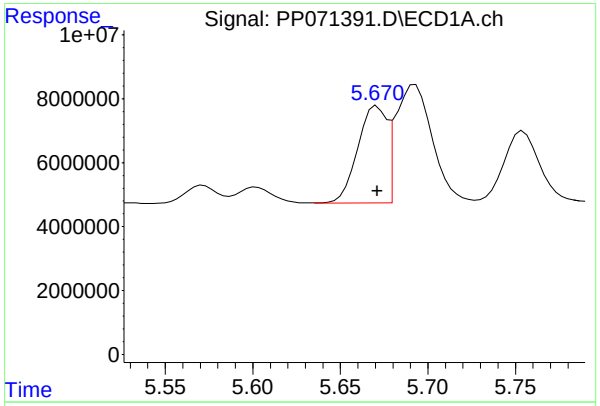
#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: 0.000 min
Response: 76129158
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

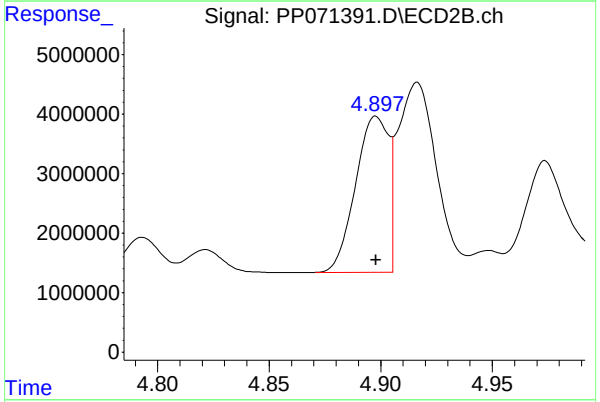
R.T.: 8.849 min
Delta R.T.: 0.000 min
Response: 45115981
Conc: 50.00 ng/ml



#3 AR-1016-1

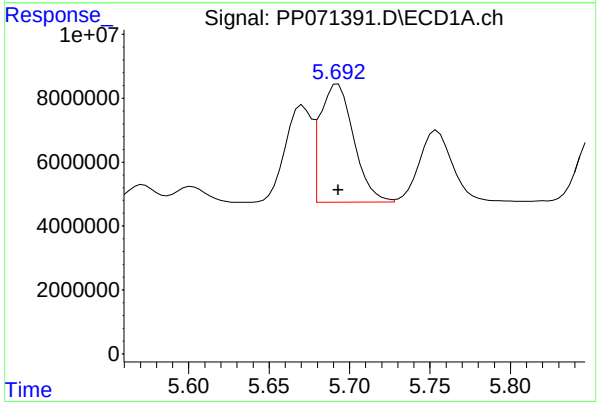
R.T.: 5.671 min
Delta R.T.: 0.000 min
Response: 35041766
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



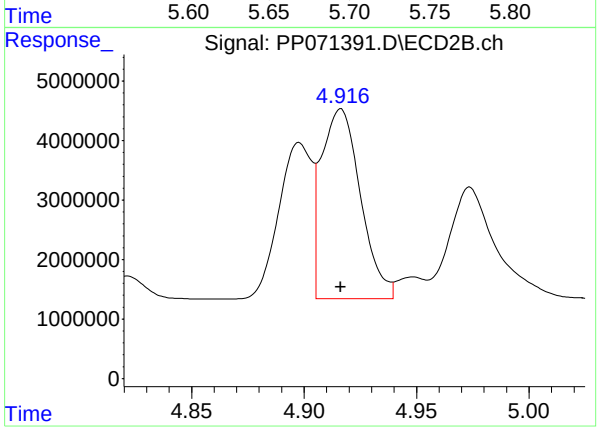
#3 AR-1016-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 26903064
Conc: 500.00 ng/ml



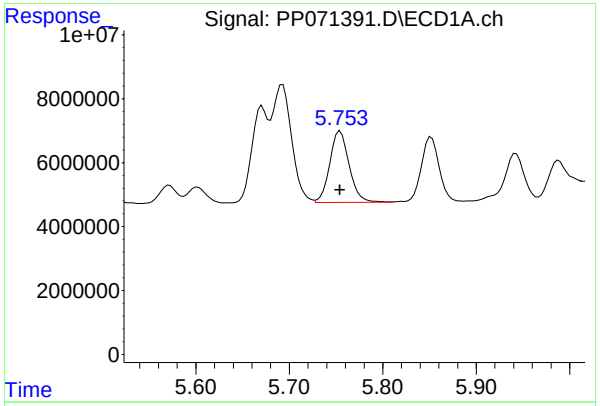
#4 AR-1016-2

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 53684537
Conc: 500.00 ng/ml



#4 AR-1016-2

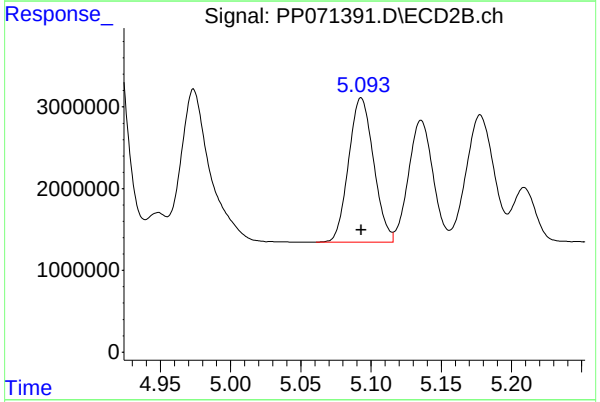
R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 38606872
Conc: 500.00 ng/ml



#5 AR-1016-3

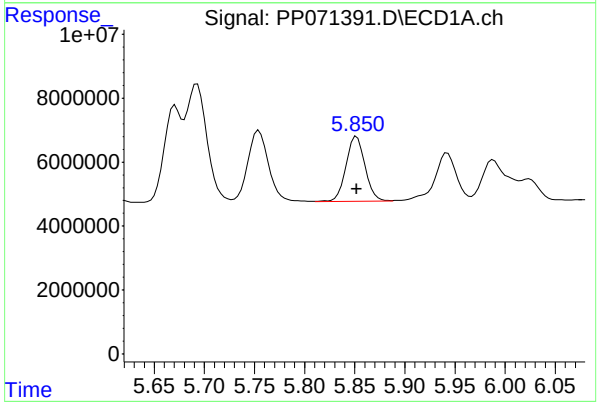
R.T.: 5.754 min
Delta R.T.: 0.000 min
Response: 32148154
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



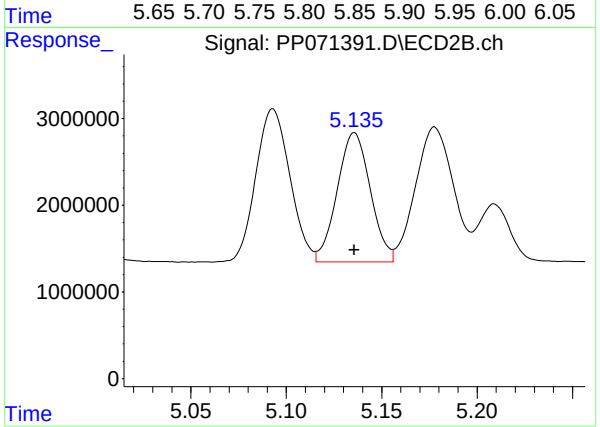
#5 AR-1016-3

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 21915868
Conc: 500.00 ng/ml



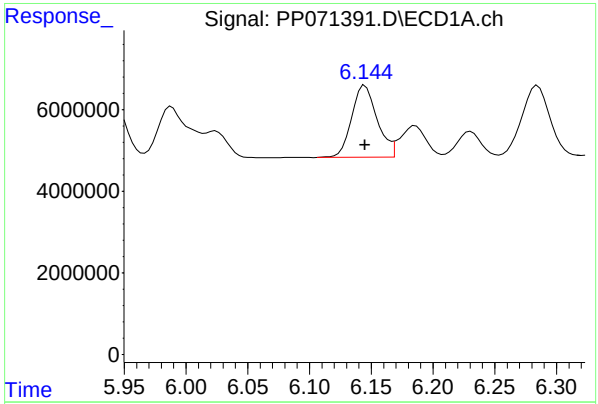
#6 AR-1016-4

R.T.: 5.852 min
Delta R.T.: 0.000 min
Response: 26809538
Conc: 500.00 ng/ml



#6 AR-1016-4

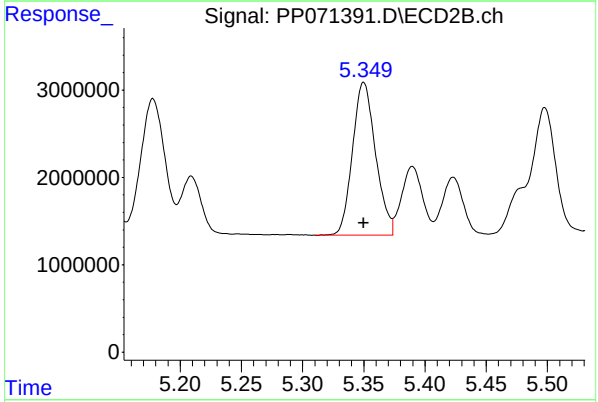
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 18061510
Conc: 500.00 ng/ml



#7 AR-1016-5

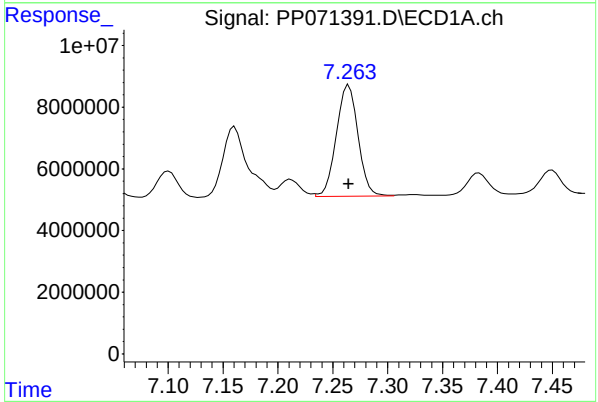
R.T.: 6.145 min
Delta R.T.: 0.000 min
Response: 25335334
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



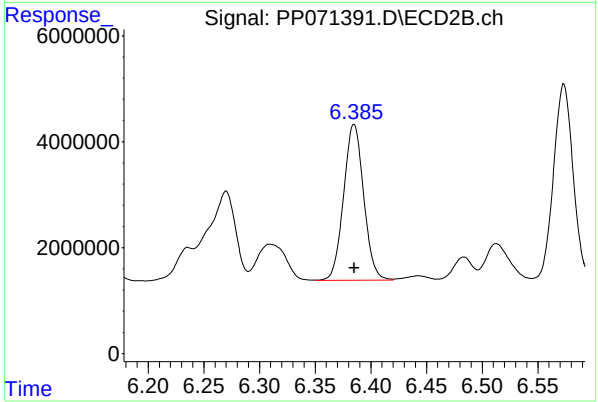
#7 AR-1016-5

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 22925304
Conc: 500.00 ng/ml



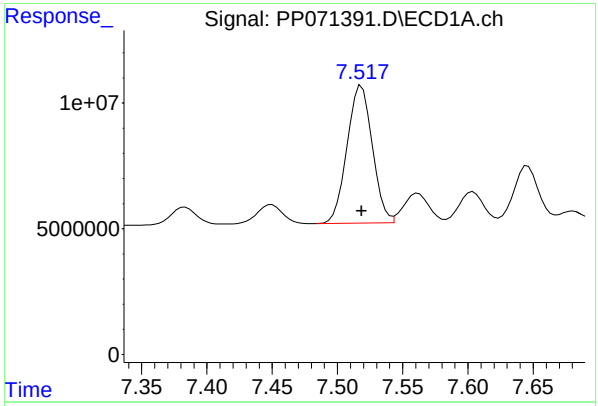
#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: 0.000 min
Response: 49407493
Conc: 500.00 ng/ml



#31 AR-1260-1

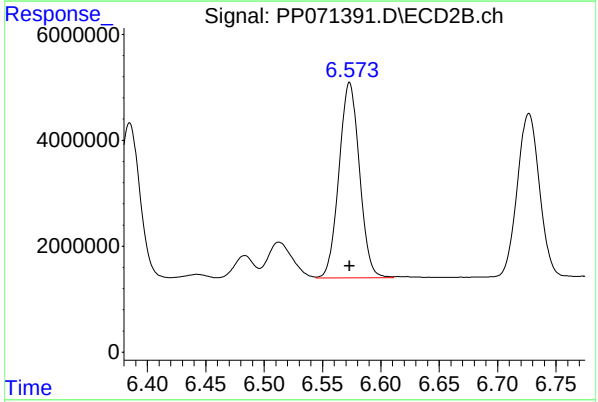
R.T.: 6.385 min
Delta R.T.: 0.000 min
Response: 36863833
Conc: 500.00 ng/ml



#32 AR-1260-2

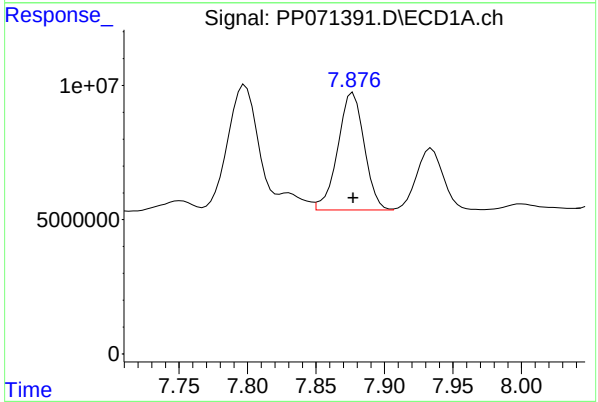
R.T.: 7.518 min
Delta R.T.: 0.000 min
Response: 73749186
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



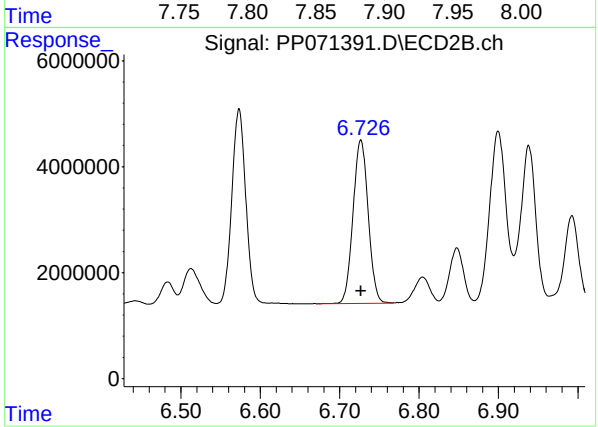
#32 AR-1260-2

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 44960859
Conc: 500.00 ng/ml



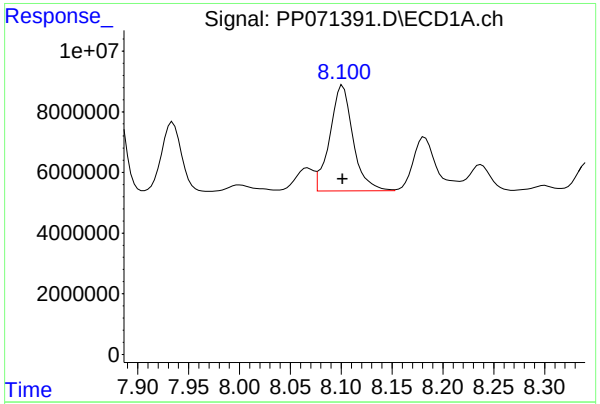
#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: 0.000 min
Response: 58851402
Conc: 500.00 ng/ml



#33 AR-1260-3

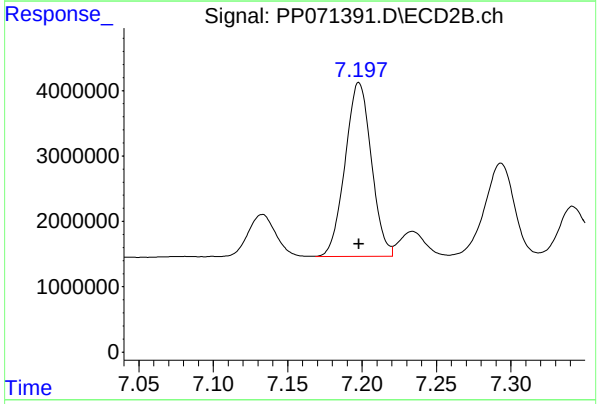
R.T.: 6.727 min
Delta R.T.: 0.000 min
Response: 40849117
Conc: 500.00 ng/ml



#34 AR-1260-4

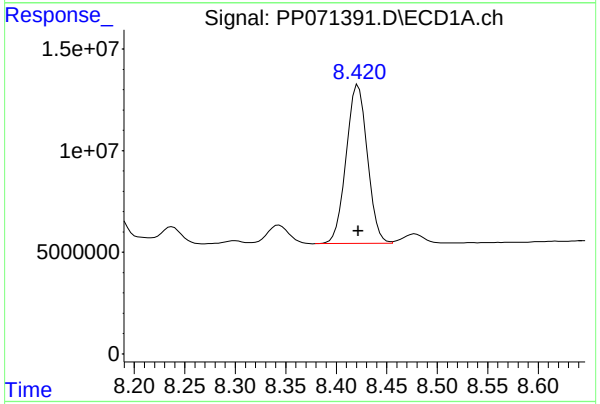
R.T.: 8.102 min
Delta R.T.: 0.000 mi
Response: 55605534
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



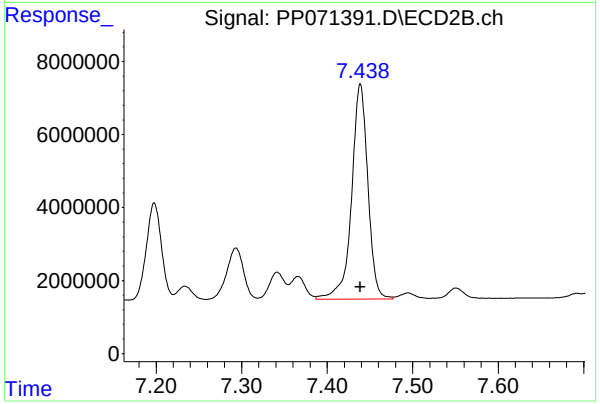
#34 AR-1260-4

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 32665875
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: 0.000 min
Response: 114459839
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.439 min
Delta R.T.: 0.000 min
Response: 77921339
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:18
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: Apr 22 11:30:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:29:52 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...	4.514	3.813	52508817	36208541	25.869	25.761
2) SA	Decachlor...	10.233	8.850	38498712	23374964	25.928	26.384
	Target Compounds						
3) L1	AR-1016-1	5.668	4.899	17782164	14045149	259.997	270.720
4) L1	AR-1016-2	5.689	4.917	27203473	19630231	260.616	263.876
5) L1	AR-1016-3	5.752	5.094	16462482	11270654	261.124	268.530
6) L1	AR-1016-4	5.849	5.136	13735357	9273773	259.716	270.294
7) L1	AR-1016-5	6.142	5.351	12722141	11586437	256.138	266.906
31) L7	AR-1260-1	7.261	6.386	24914936	19087592	259.387	273.244
32) L7	AR-1260-2	7.515	6.574	37471925	22873239	259.800	272.056
33) L7	AR-1260-3	7.873	6.727	31628881	19836001	269.748	260.958
34) L7	AR-1260-4	8.098	7.199	32815153	17020763	286.081	275.052
35) L7	AR-1260-5	8.417	7.441	63777045	39378070	273.242	264.138

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

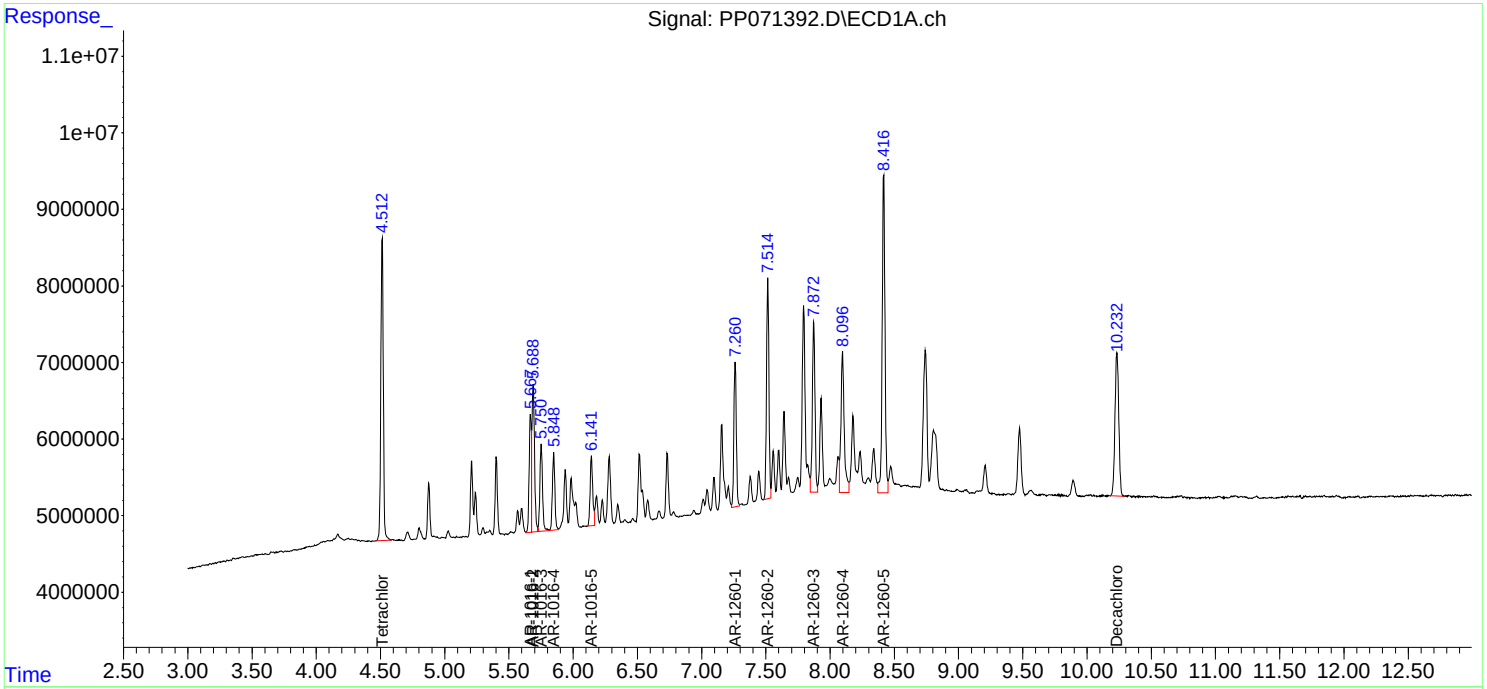
ICAL Form

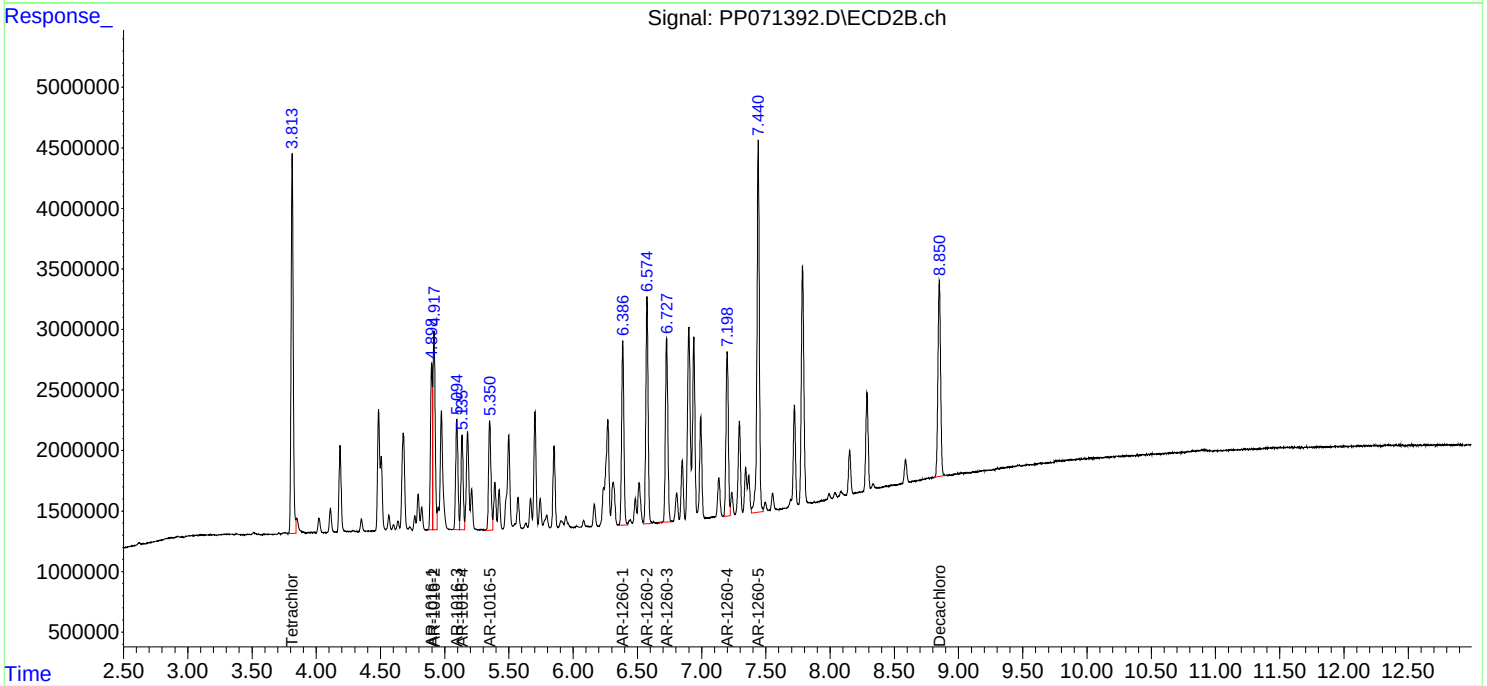
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:18
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

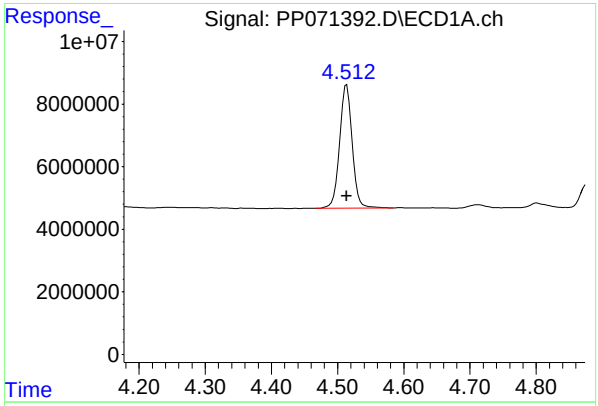
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:30:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:29:52 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



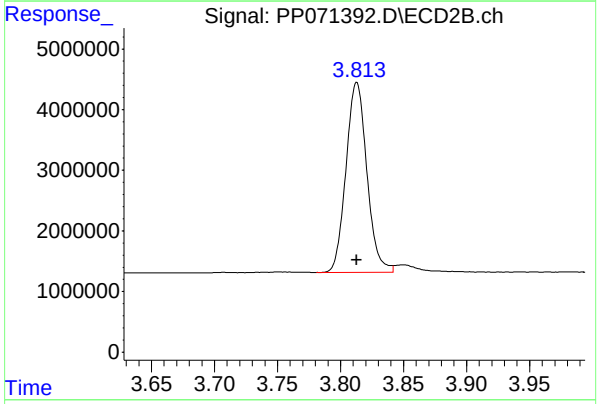




#1 Tetrachloro-m-xylene

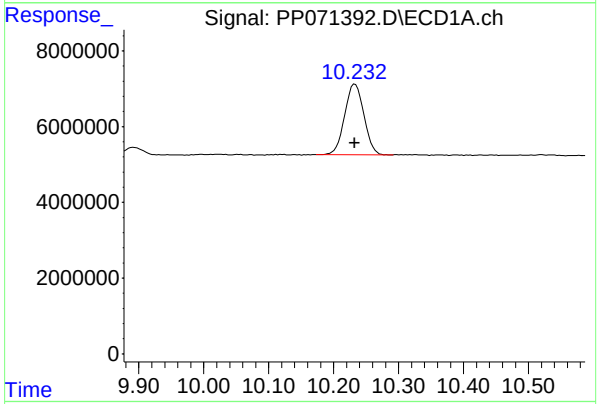
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 52508817
Conc: 25.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



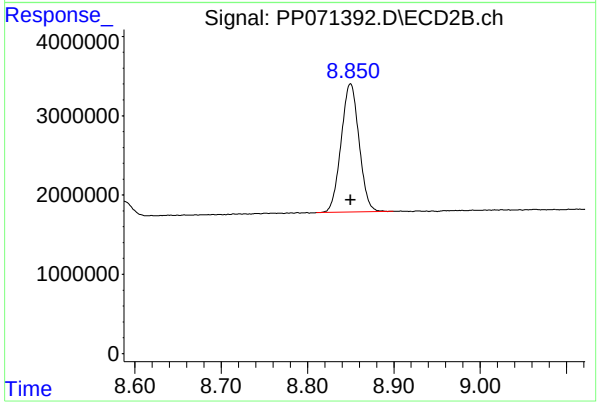
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 36208541
Conc: 25.76 ng/ml



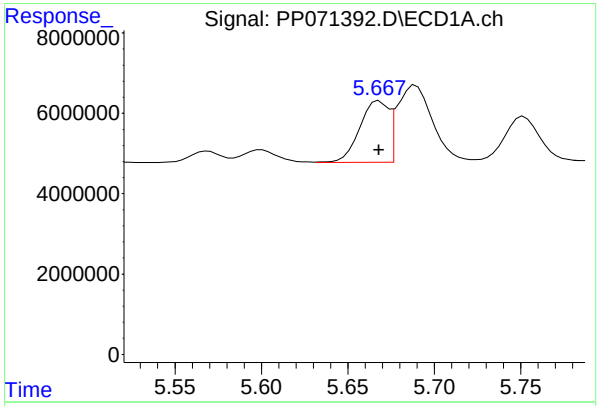
#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: 0.000 min
Response: 38498712
Conc: 25.93 ng/ml



#2 Decachlorobiphenyl

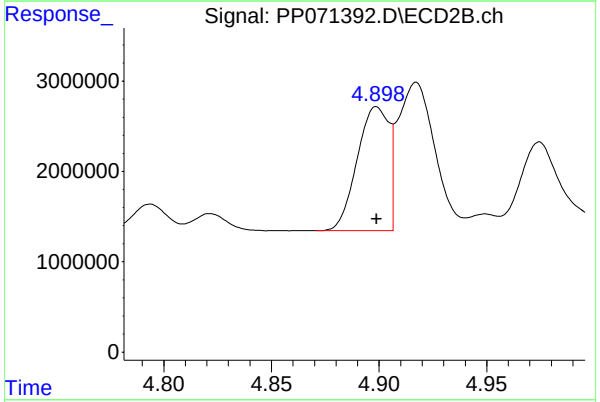
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 23374964
Conc: 26.38 ng/ml



#3 AR-1016-1

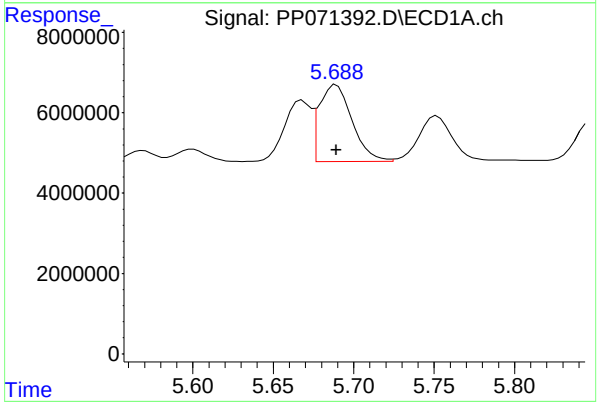
R.T.: 5.668 min
Delta R.T.: 0.000 min
Response: 17782164
Conc: 260.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



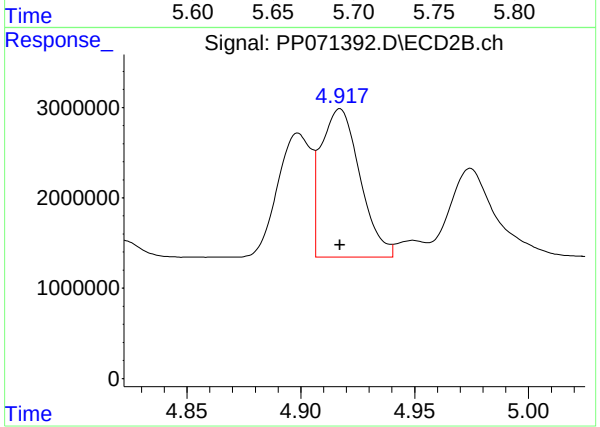
#3 AR-1016-1

R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 14045149
Conc: 270.72 ng/ml



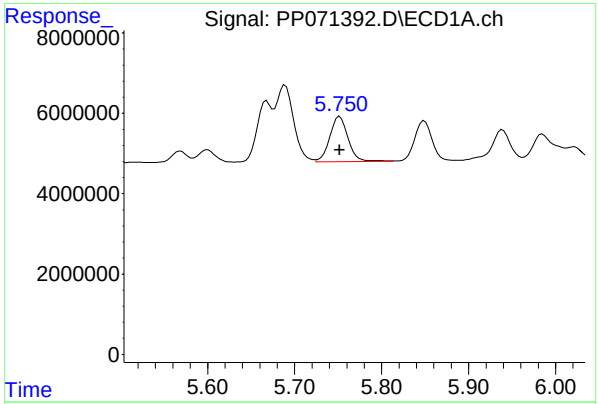
#4 AR-1016-2

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 27203473
Conc: 260.62 ng/ml



#4 AR-1016-2

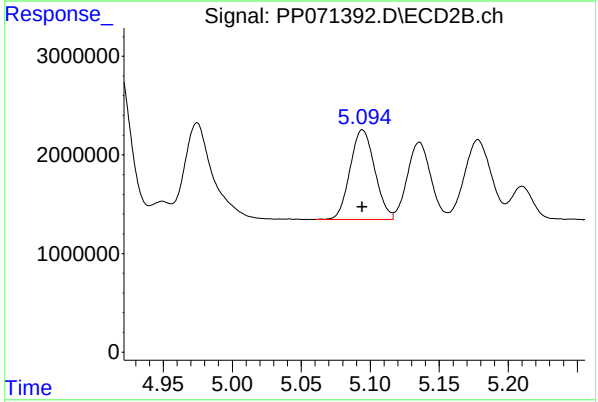
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 19630231
Conc: 263.88 ng/ml



#5 AR-1016-3

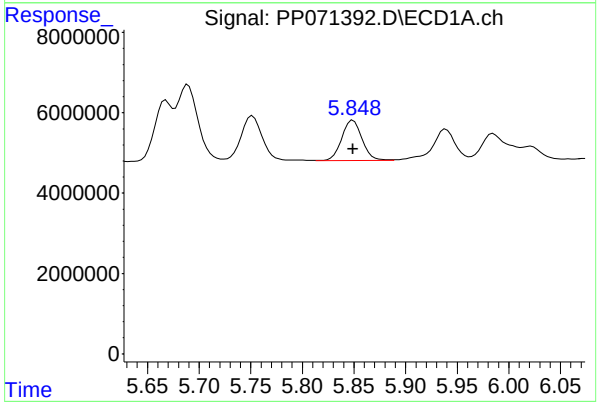
R.T.: 5.752 min
Delta R.T.: 0.000 min
Response: 16462482
Conc: 261.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



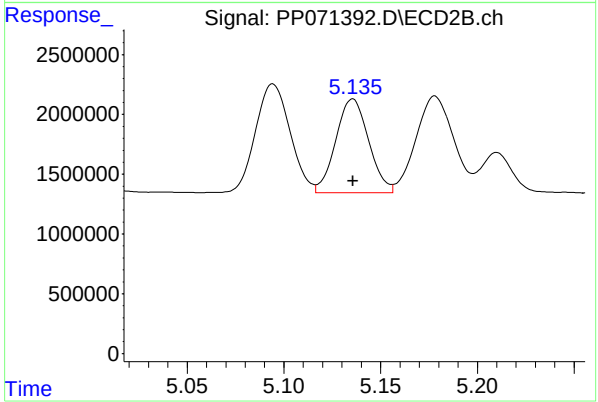
#5 AR-1016-3

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 11270654
Conc: 268.53 ng/ml



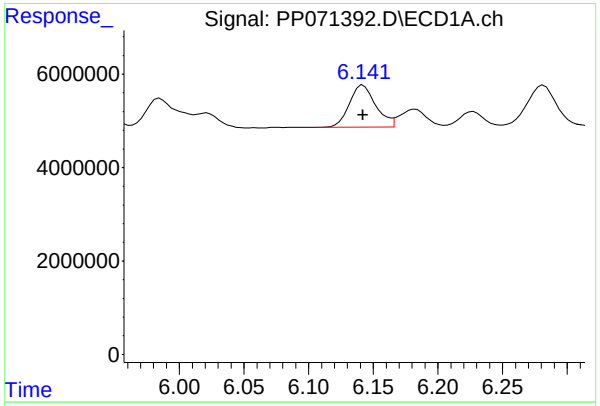
#6 AR-1016-4

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 13735357
Conc: 259.72 ng/ml



#6 AR-1016-4

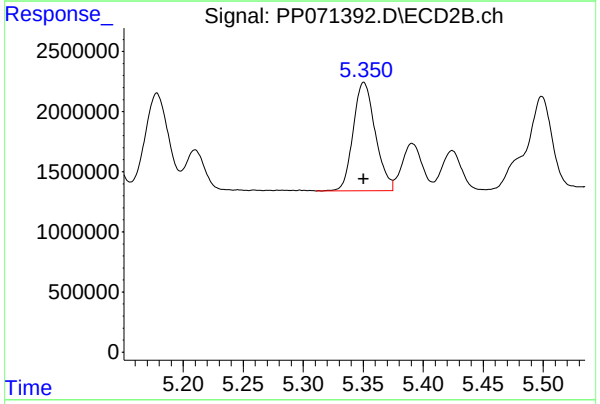
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 9273773
Conc: 270.29 ng/ml



#7 AR-1016-5

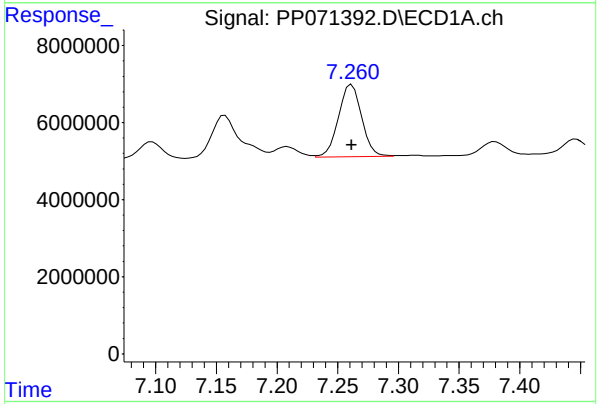
R.T.: 6.142 min
Delta R.T.: 0.000 min
Response: 12722141
Conc: 256.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



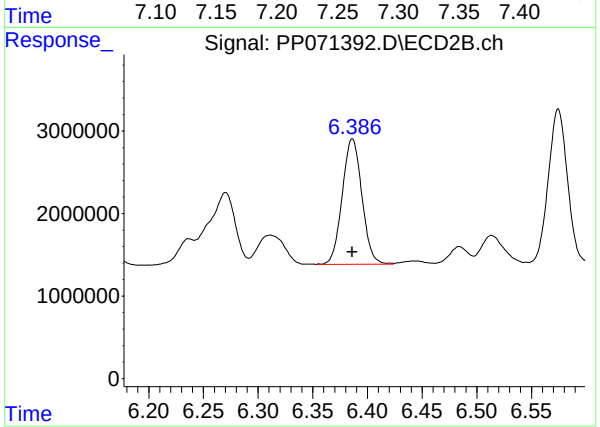
#7 AR-1016-5

R.T.: 5.351 min
Delta R.T.: 0.000 min
Response: 11586437
Conc: 266.91 ng/ml



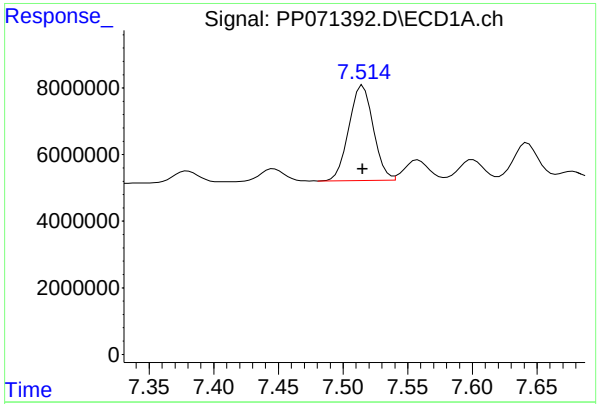
#31 AR-1260-1

R.T.: 7.261 min
Delta R.T.: 0.000 min
Response: 24914936
Conc: 259.39 ng/ml



#31 AR-1260-1

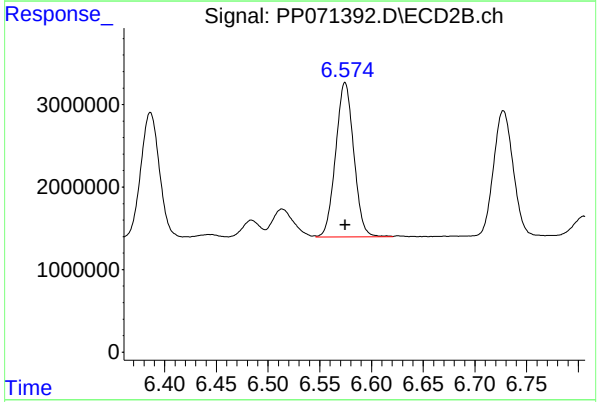
R.T.: 6.386 min
Delta R.T.: 0.000 min
Response: 19087592
Conc: 273.24 ng/ml



#32 AR-1260-2

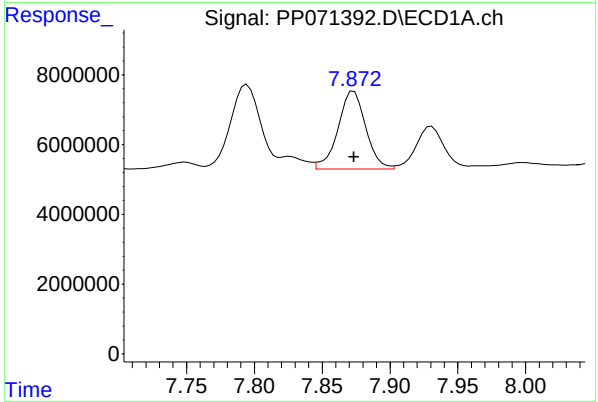
R.T.: 7.515 min
Delta R.T.: 0.000 min
Response: 37471925
Conc: 259.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



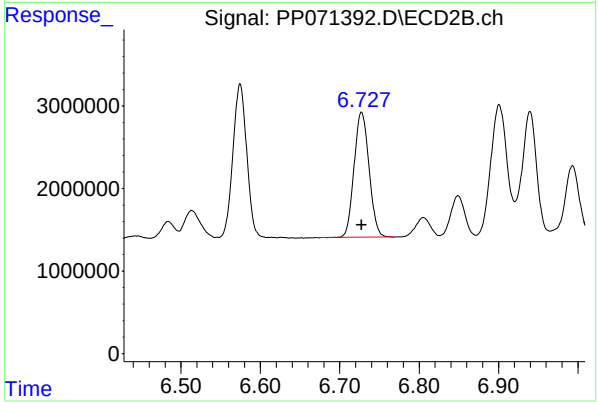
#32 AR-1260-2

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 22873239
Conc: 272.06 ng/ml



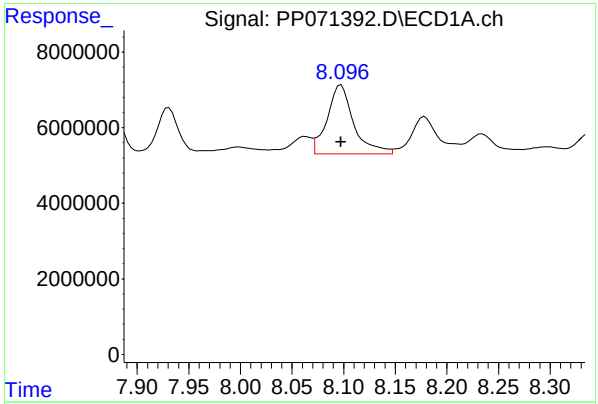
#33 AR-1260-3

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 31628881
Conc: 269.75 ng/ml



#33 AR-1260-3

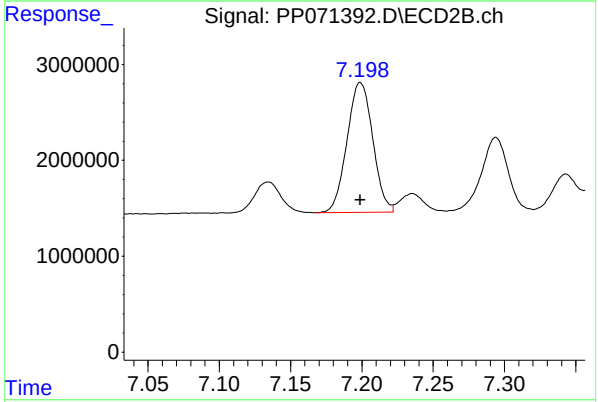
R.T.: 6.727 min
Delta R.T.: 0.000 min
Response: 19836001
Conc: 260.96 ng/ml



#34 AR-1260-4

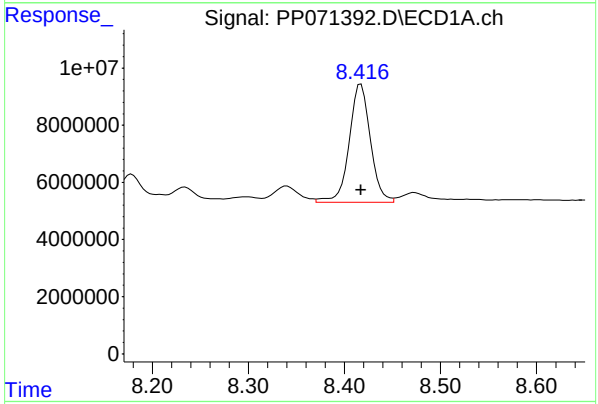
R.T.: 8.098 min
Delta R.T.: 0.000 min
Response: 32815153
Conc: 286.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



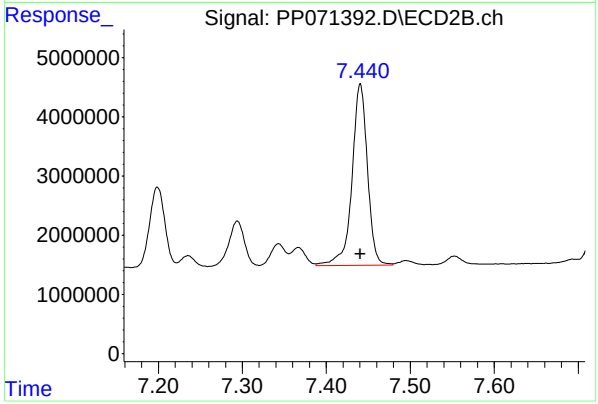
#34 AR-1260-4

R.T.: 7.199 min
Delta R.T.: 0.000 min
Response: 17020763
Conc: 275.05 ng/ml



#35 AR-1260-5

R.T.: 8.417 min
Delta R.T.: 0.000 min
Response: 63777045
Conc: 273.24 ng/ml



#35 AR-1260-5

R.T.: 7.441 min
Delta R.T.: 0.000 min
Response: 39378070
Conc: 264.14 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:34
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:46:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	4.515	3.812	8969831	7104871	4.524	5.044
2) SA	Decachlor...	10.235	8.850	6503503	4207302	4.491	4.797
	Target Compounds						
3) L1	AR-1016-1	5.669	4.898	3083717	3007251	45.991	56.175
4) L1	AR-1016-2	5.691	4.916	4780792	4212537	46.584	55.164
5) L1	AR-1016-3	5.753	5.094	2802822	2158254	45.466	51.131
6) L1	AR-1016-4	5.851	5.135	2247335	1759505	43.809	51.021
7) L1	AR-1016-5	6.144	5.349	2125784	2429782	44.068	54.667
31) L7	AR-1260-1	7.262	6.384	4795547	4103726	49.941	56.760
32) L7	AR-1260-2	7.516	6.573	6922549	5050265	48.383	57.743
33) L7	AR-1260-3	7.875	6.726	4575293	4394430	40.810m	56.060 #
34) L7	AR-1260-4	8.098	7.197	5275083	3401257	46.807m	53.894
35) L7	AR-1260-5	8.417	7.439	9961562	7878032	43.897m	52.249

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:34
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

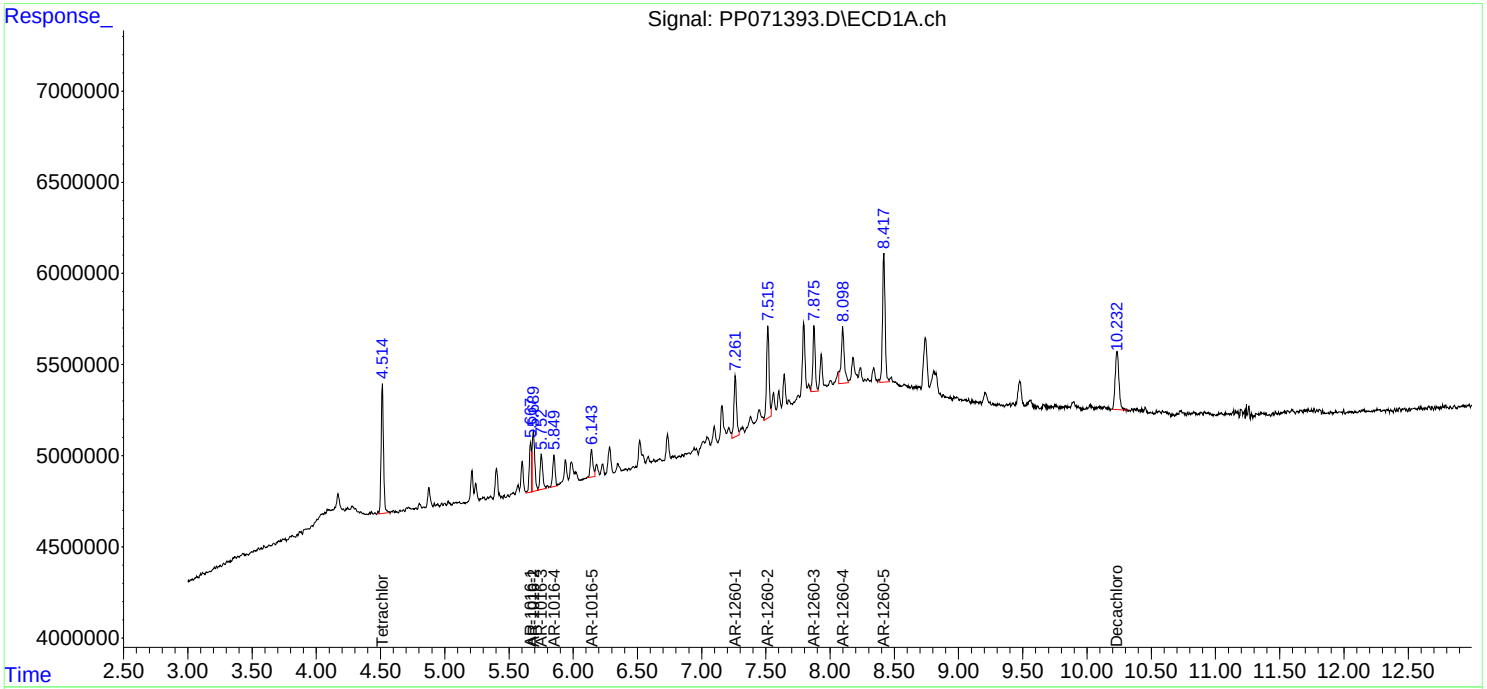
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

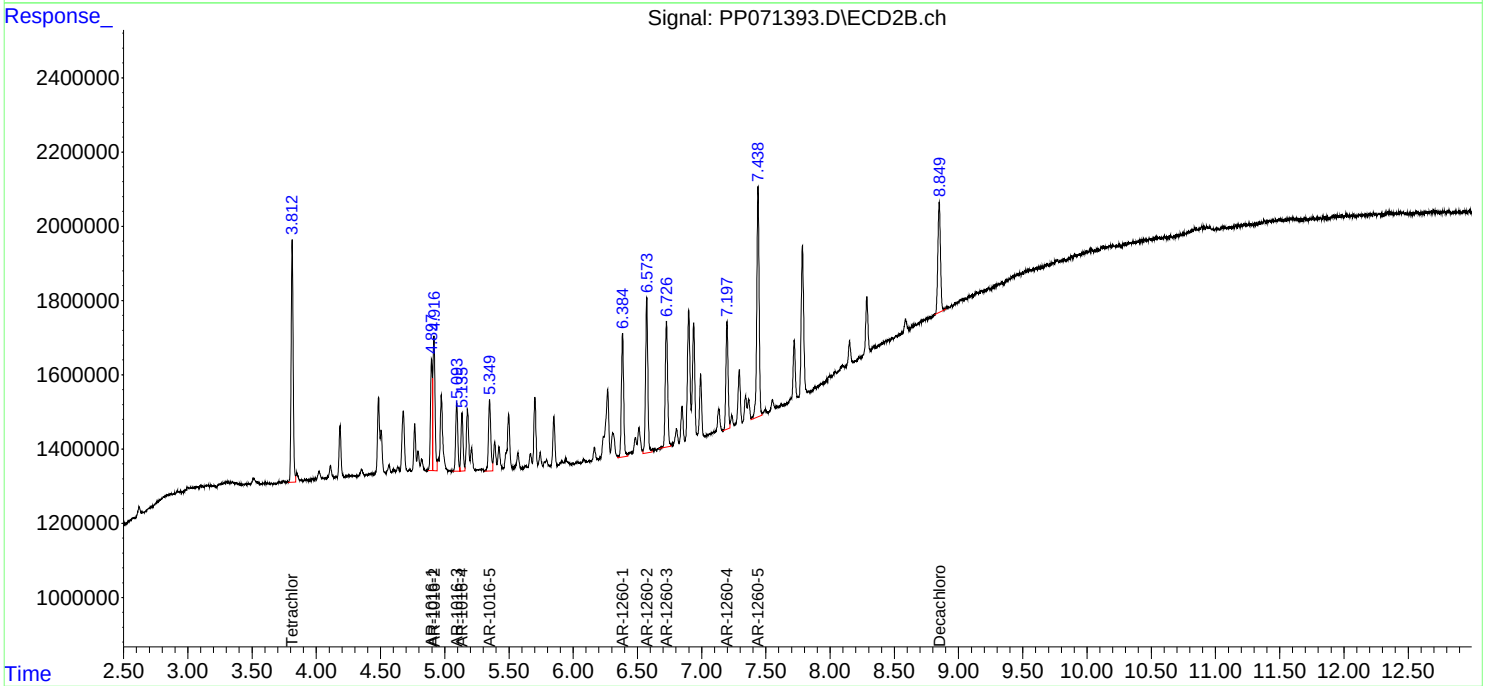
Manual Integrations APPROVED

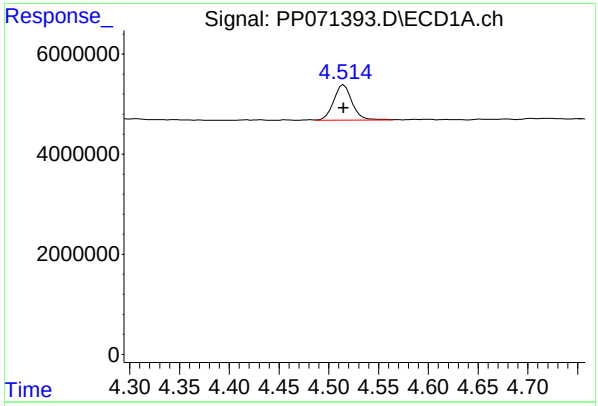
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:46:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







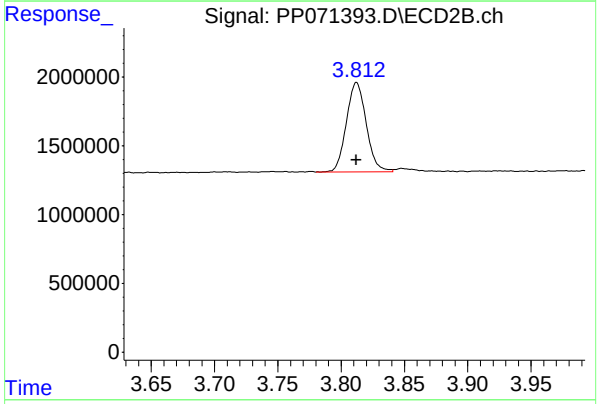
#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 8969831
Conc: 4.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

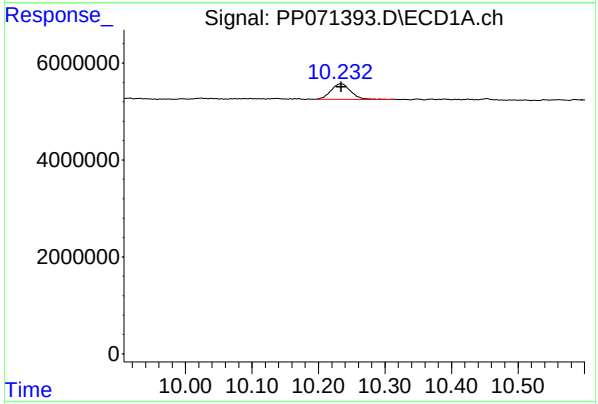
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



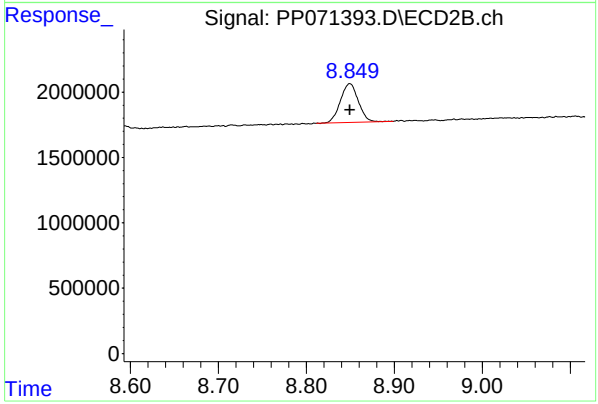
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 7104871
Conc: 5.04 ng/ml



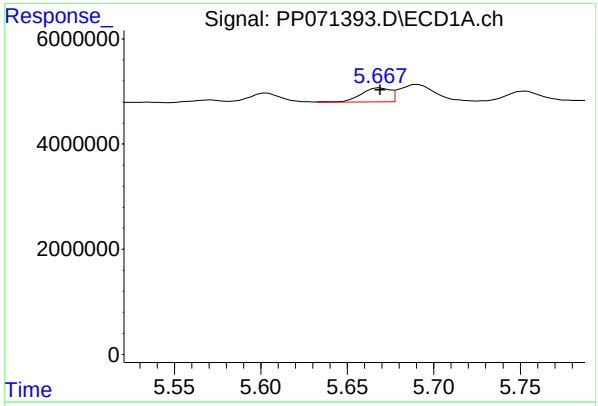
#2 Decachlorobiphenyl

R.T.: 10.235 min
Delta R.T.: 0.000 min
Response: 6503503
Conc: 4.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 4207302
Conc: 4.80 ng/ml



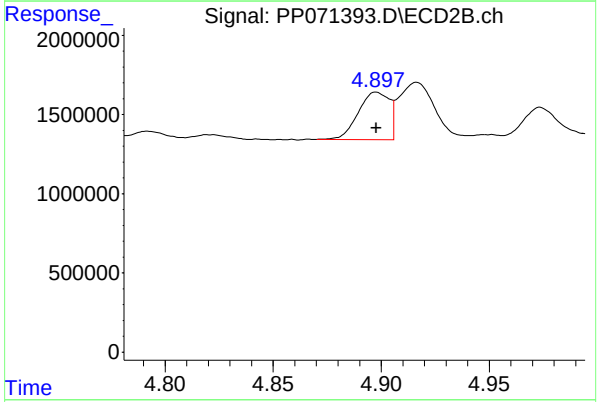
#3 AR-1016-1

R.T.: 5.669 min
Delta R.T.: 0.000 min
Response: 3083717
Conc: 45.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

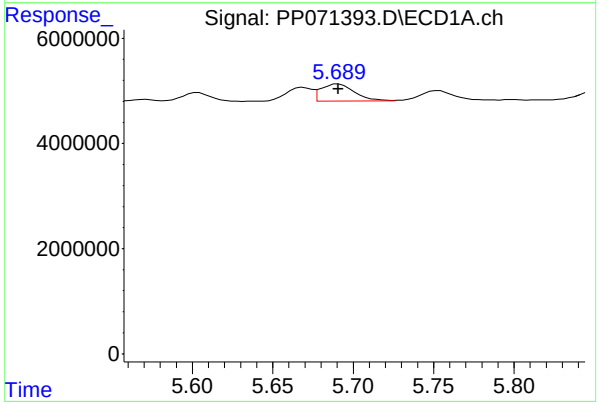
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



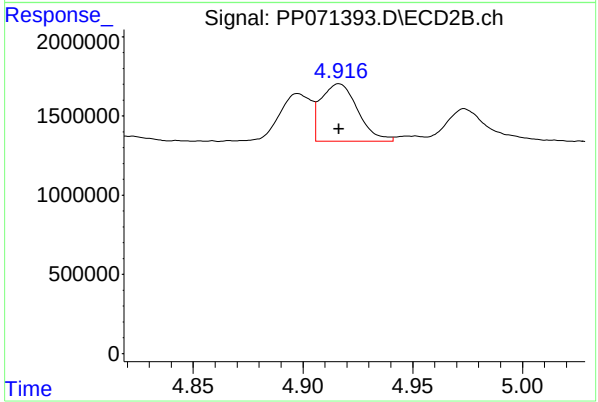
#3 AR-1016-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 3007251
Conc: 56.18 ng/ml



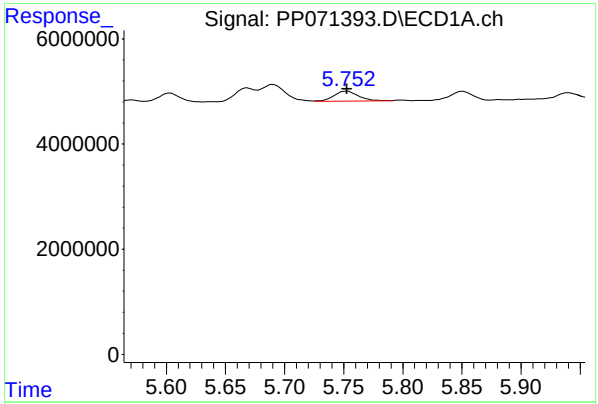
#4 AR-1016-2

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 4780792
Conc: 46.58 ng/ml



#4 AR-1016-2

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 4212537
Conc: 55.16 ng/ml



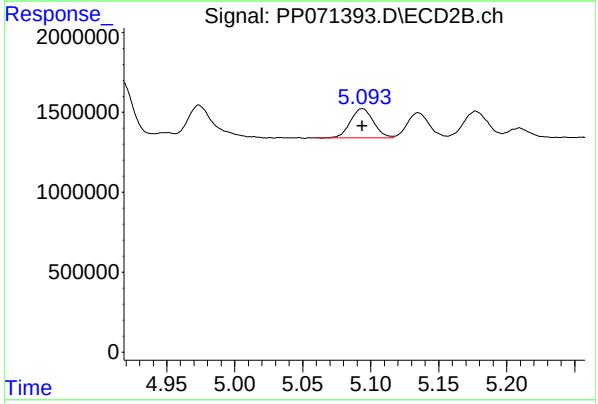
#5 AR-1016-3

R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 2802822
Conc: 45.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

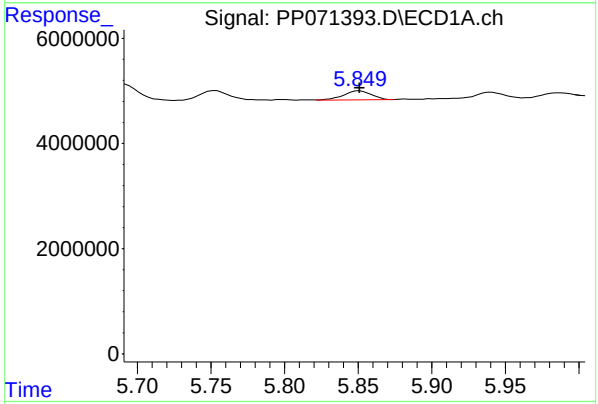
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



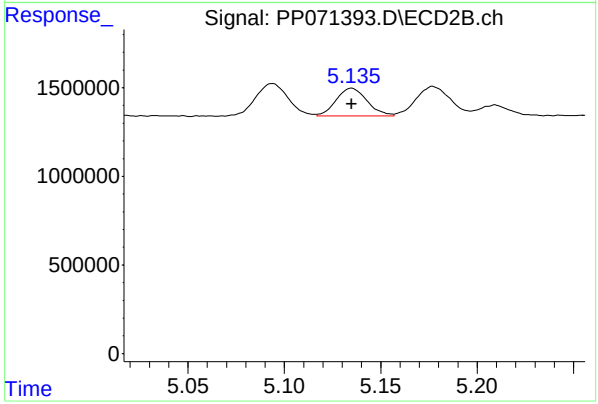
#5 AR-1016-3

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 2158254
Conc: 51.13 ng/ml



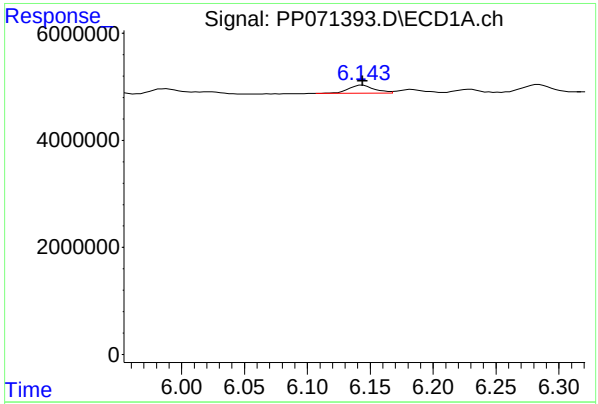
#6 AR-1016-4

R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 2247335
Conc: 43.81 ng/ml



#6 AR-1016-4

R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 1759505
Conc: 51.02 ng/ml



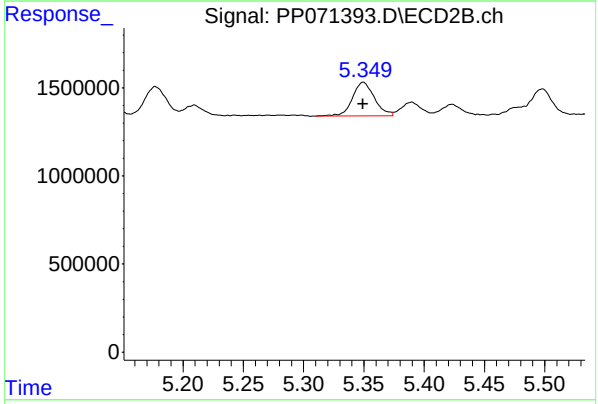
#7 AR-1016-5

R.T.: 6.144 min
Delta R.T.: 0.000 min
Response: 2125784
Conc: 44.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

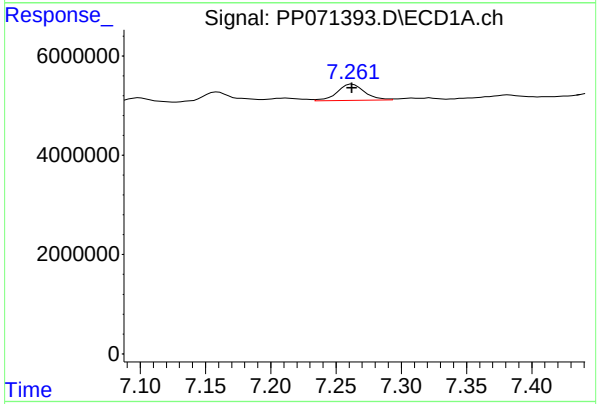
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



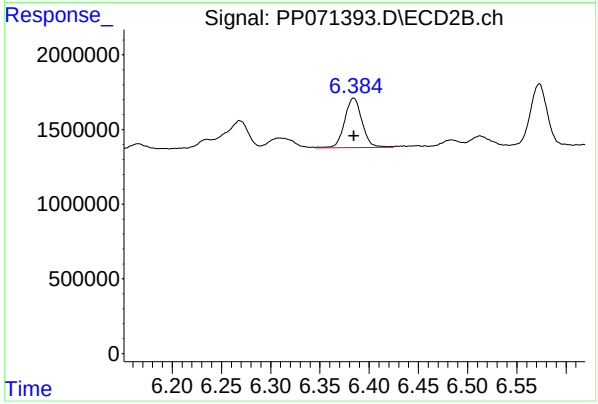
#7 AR-1016-5

R.T.: 5.349 min
Delta R.T.: 0.000 min
Response: 2429782
Conc: 54.67 ng/ml



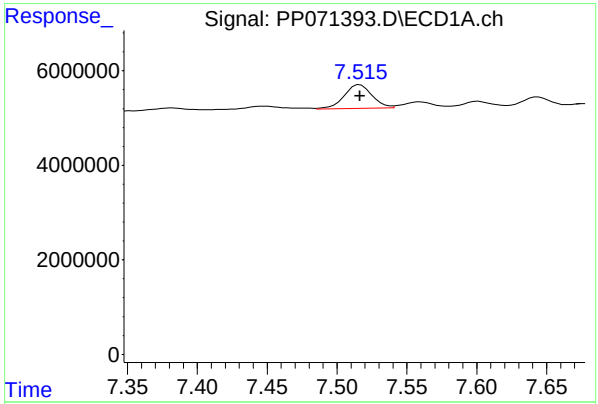
#31 AR-1260-1

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 4795547
Conc: 49.94 ng/ml



#31 AR-1260-1

R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 4103726
Conc: 56.76 ng/ml



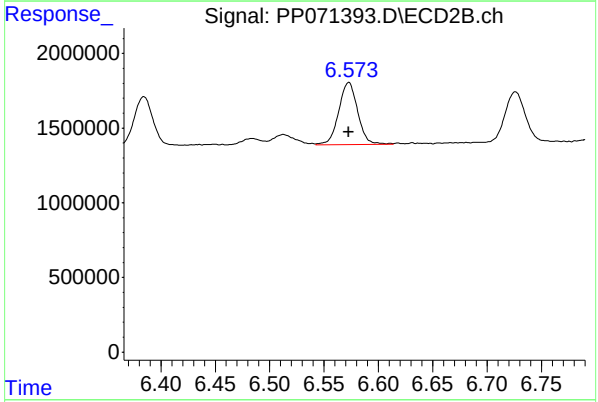
#32 AR-1260-2

R.T.: 7.516 min
Delta R.T.: 0.000 mi
Response: 6922549
Conc: 48.38 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

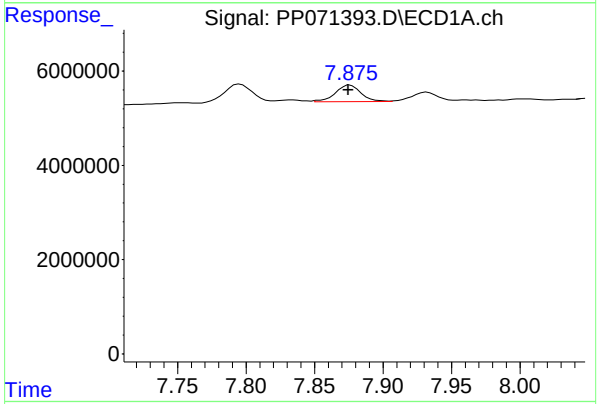
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



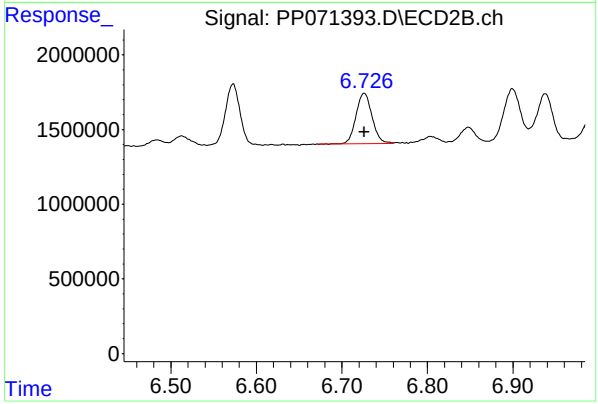
#32 AR-1260-2

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 5050265
Conc: 57.74 ng/ml



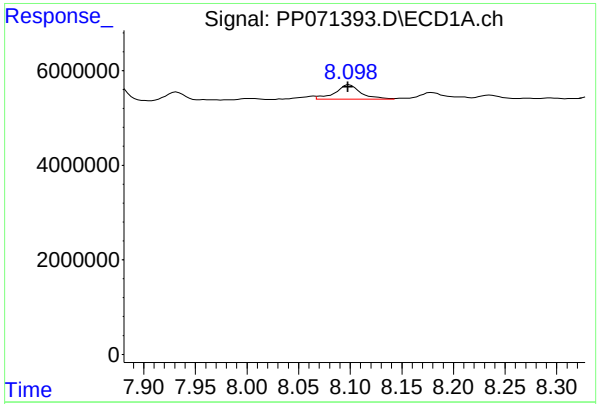
#33 AR-1260-3

R.T.: 7.875 min
Delta R.T.: 0.000 min
Response: 4575293
Conc: 40.81 ng/ml m



#33 AR-1260-3

R.T.: 6.726 min
Delta R.T.: 0.000 min
Response: 4394430
Conc: 56.06 ng/ml



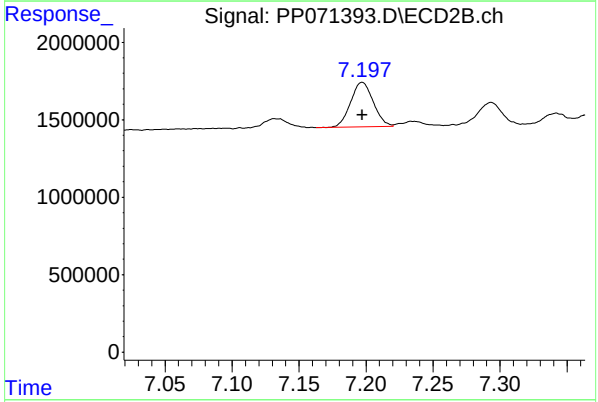
#34 AR-1260-4

R.T.: 8.098 min
Delta R.T.: 0.000 min
Response: 5275083
Conc: 46.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

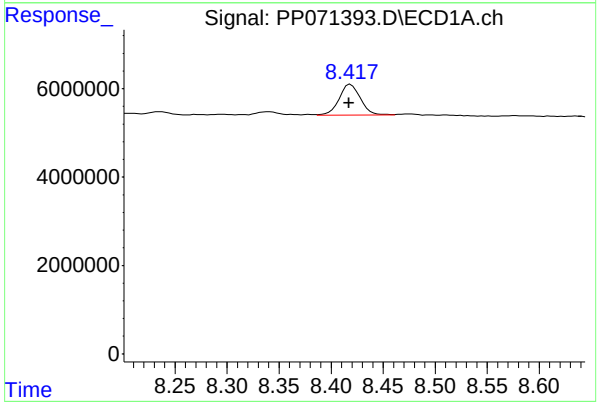
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



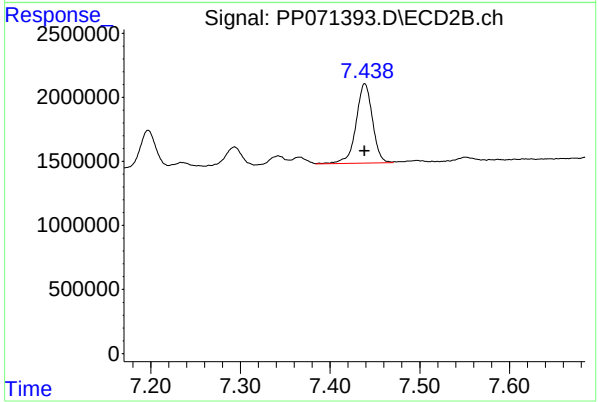
#34 AR-1260-4

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 3401257
Conc: 53.89 ng/ml



#35 AR-1260-5

R.T.: 8.417 min
Delta R.T.: 0.000 min
Response: 9961562
Conc: 43.90 ng/ml m



#35 AR-1260-5

R.T.: 7.439 min
Delta R.T.: 0.000 min
Response: 7878032
Conc: 52.25 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:51
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: Apr 22 12:26:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 12:26:37 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...	4.513	3.812	102.0E6	70886063	50.000	50.000
2)	SA Decachlor...	10.233	8.849	73129811	43684216	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.715	4.022	12058427	10997465	500.000	500.000
9)	L2 AR-1221-2	4.800	4.109	9008471	8280856	500.000	500.000
10)	L2 AR-1221-3	4.876	4.185	28305615	24238496	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

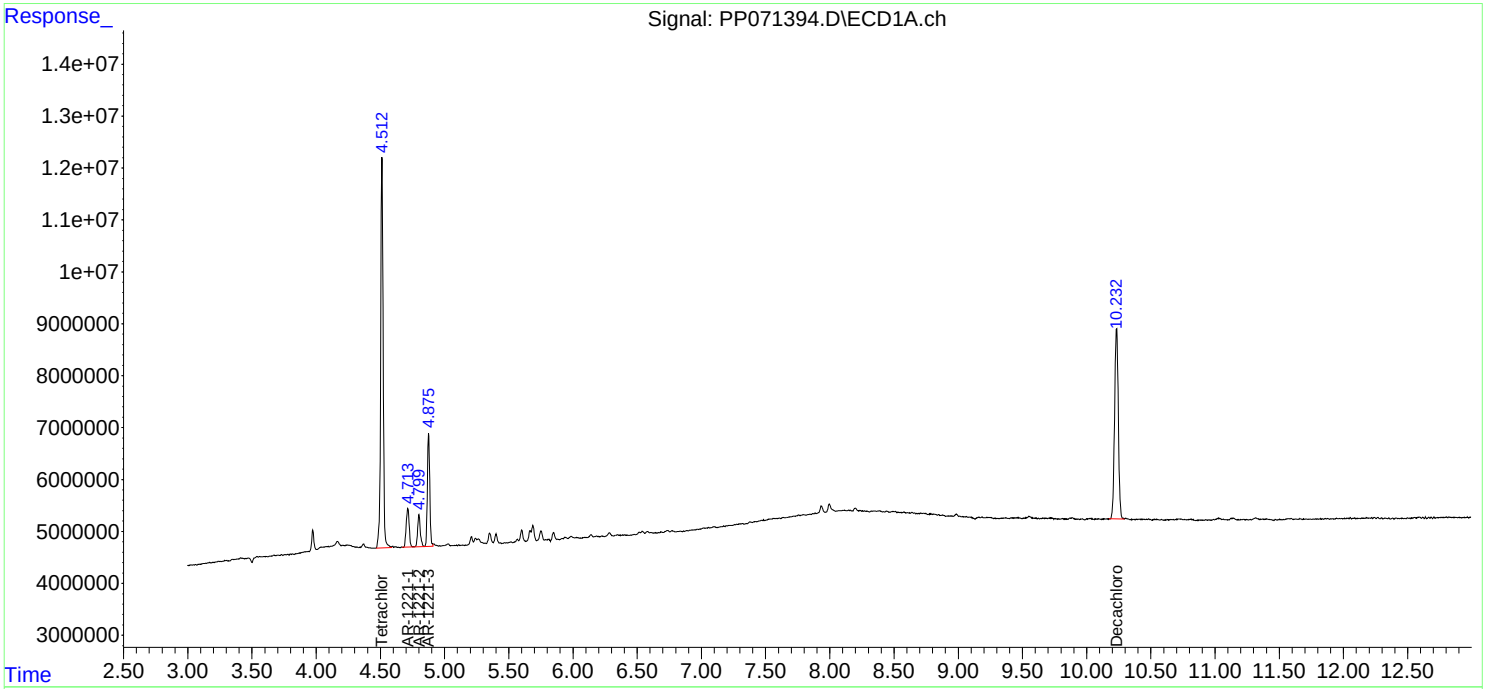
ICAL Form

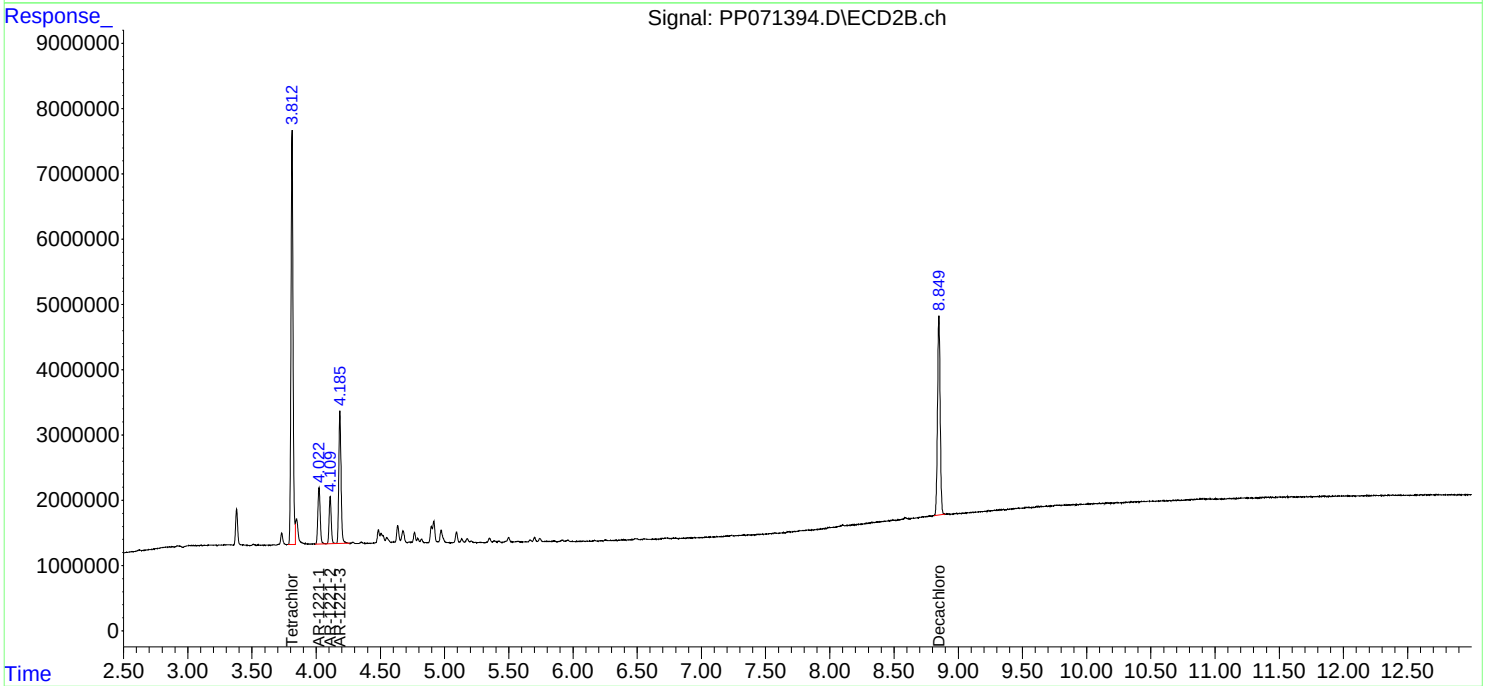
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:51
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

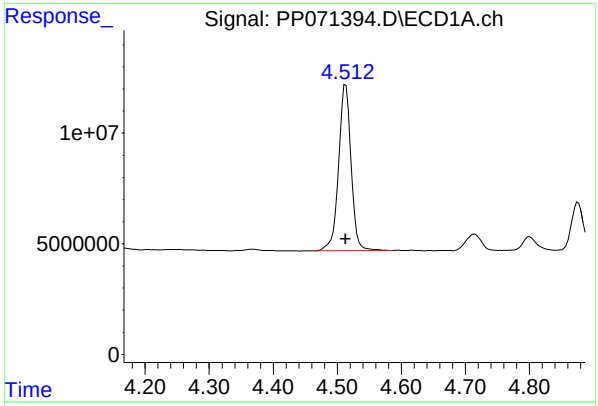
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 12:26:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 12:26:37 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



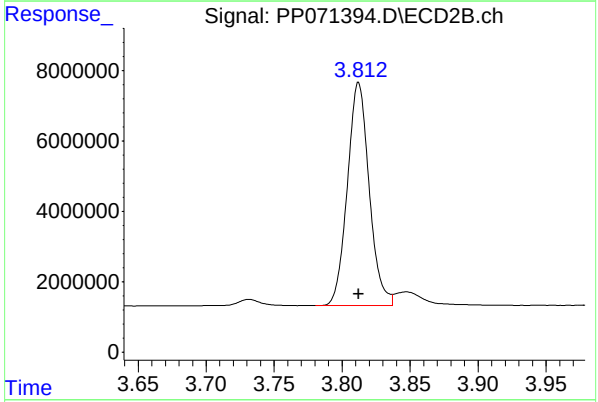




#1 Tetrachloro-m-xylene

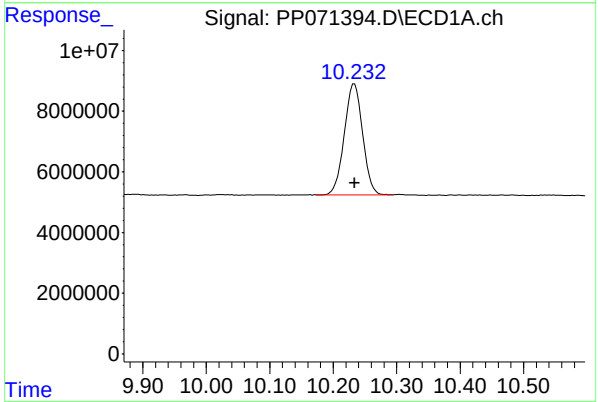
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 101953072
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



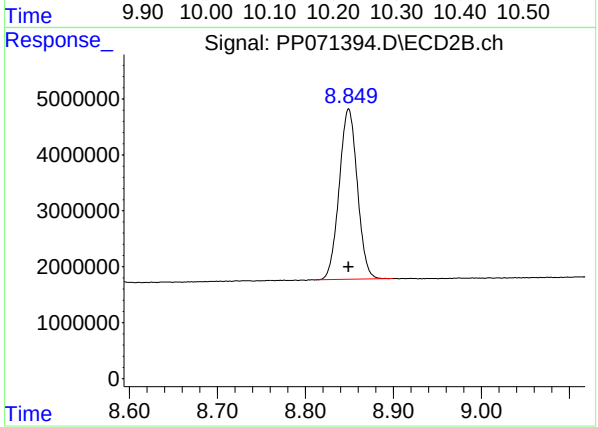
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 70886063
Conc: 50.00 ng/ml



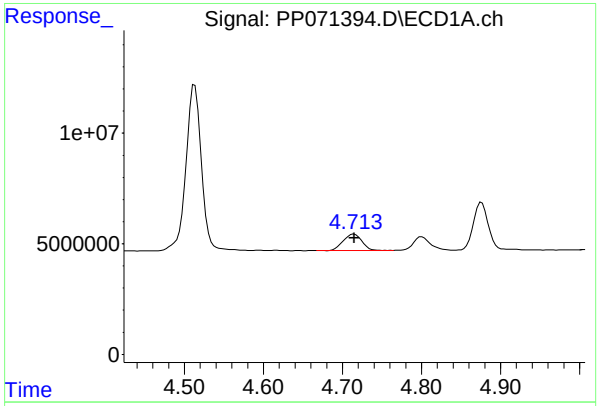
#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: 0.000 min
Response: 73129811
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

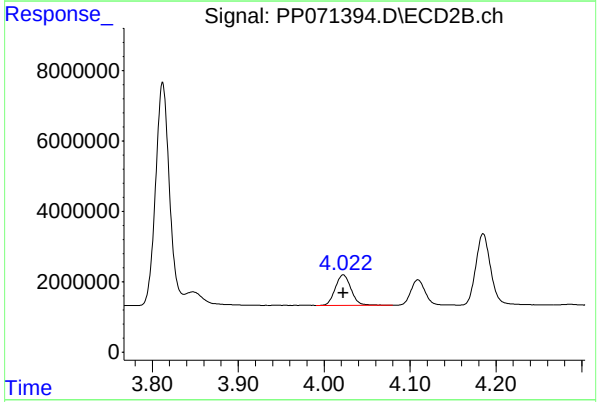
R.T.: 8.849 min
Delta R.T.: 0.000 min
Response: 43684216
Conc: 50.00 ng/ml



#8 AR-1221-1

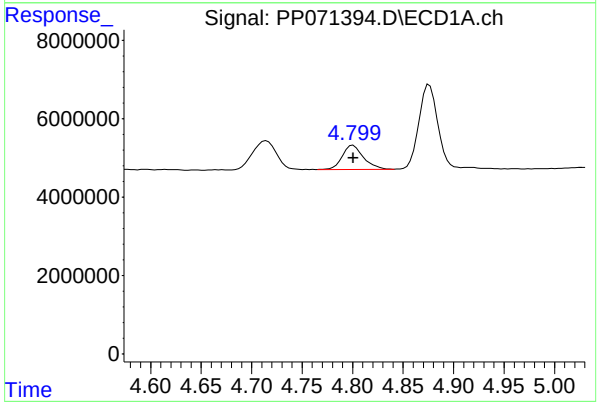
R.T.: 4.715 min
Delta R.T.: 0.000 min
Response: 12058427
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



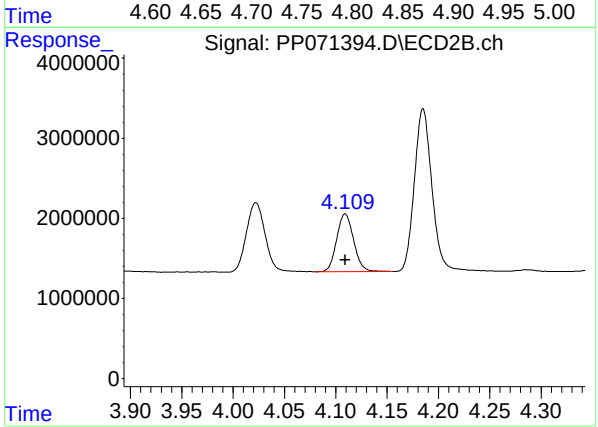
#8 AR-1221-1

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 10997465
Conc: 500.00 ng/ml



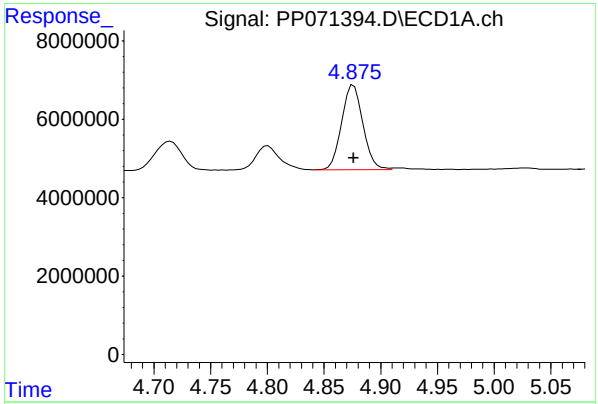
#9 AR-1221-2

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 9008471
Conc: 500.00 ng/ml



#9 AR-1221-2

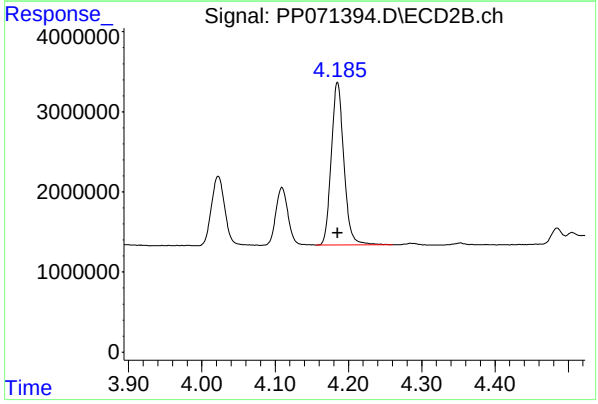
R.T.: 4.109 min
Delta R.T.: 0.000 min
Response: 8280856
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 28305615
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.185 min
Delta R.T.: 0.000 min
Response: 24238496
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:07
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: Apr 22 12:29:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 12:26:37 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...	4.515	3.813	97587735	67524433	50.000	50.000
2)	SA Decachlor...	10.233	8.851	71248479	42941843	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.878	4.186	22456038	19158895	500.000	500.000
12)	L3 AR-1232-2	5.403	4.917	11506547	19093695	500.000	500.000
13)	L3 AR-1232-3	5.690	5.094	23608778	10587643	500.000	500.000
14)	L3 AR-1232-4	5.850	5.178	11589674	9270206	500.000	500.000
15)	L3 AR-1232-5	5.940	5.351	8072861	9950926	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

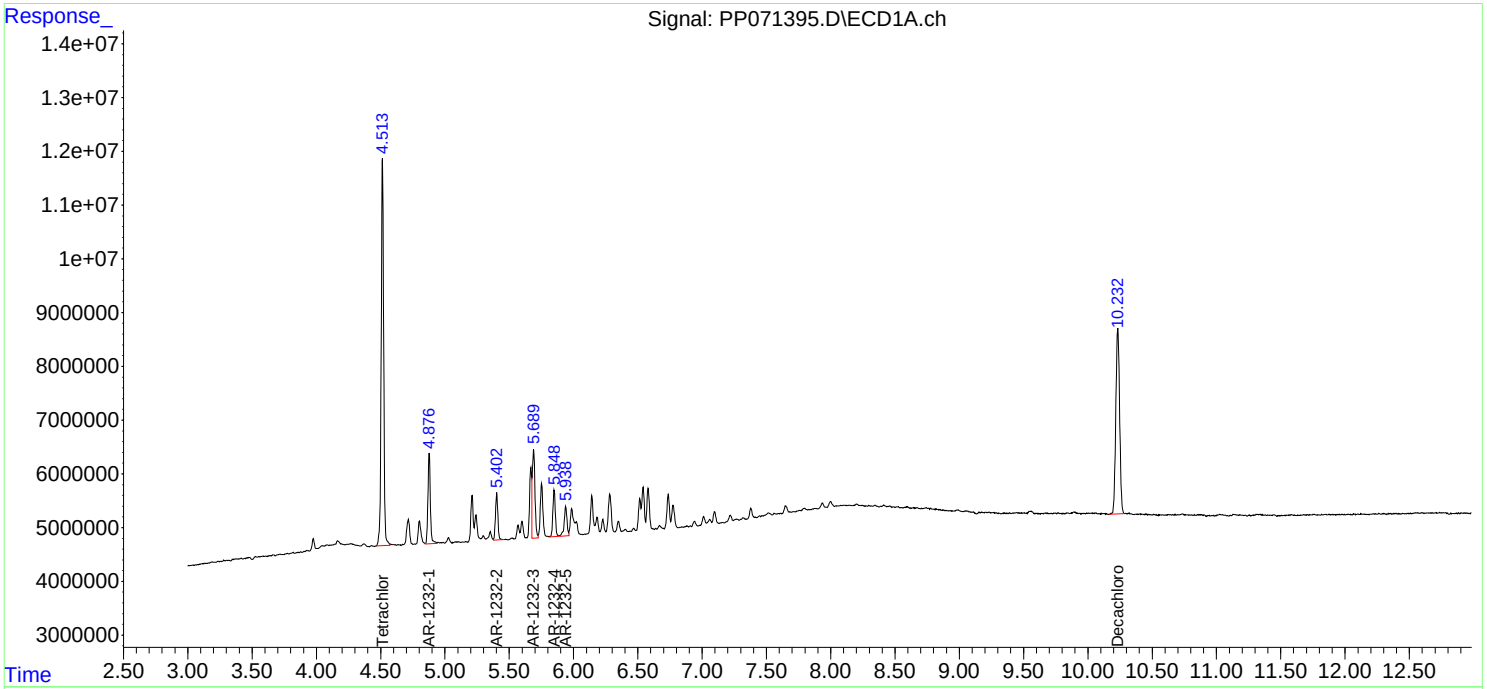
ICAL Form

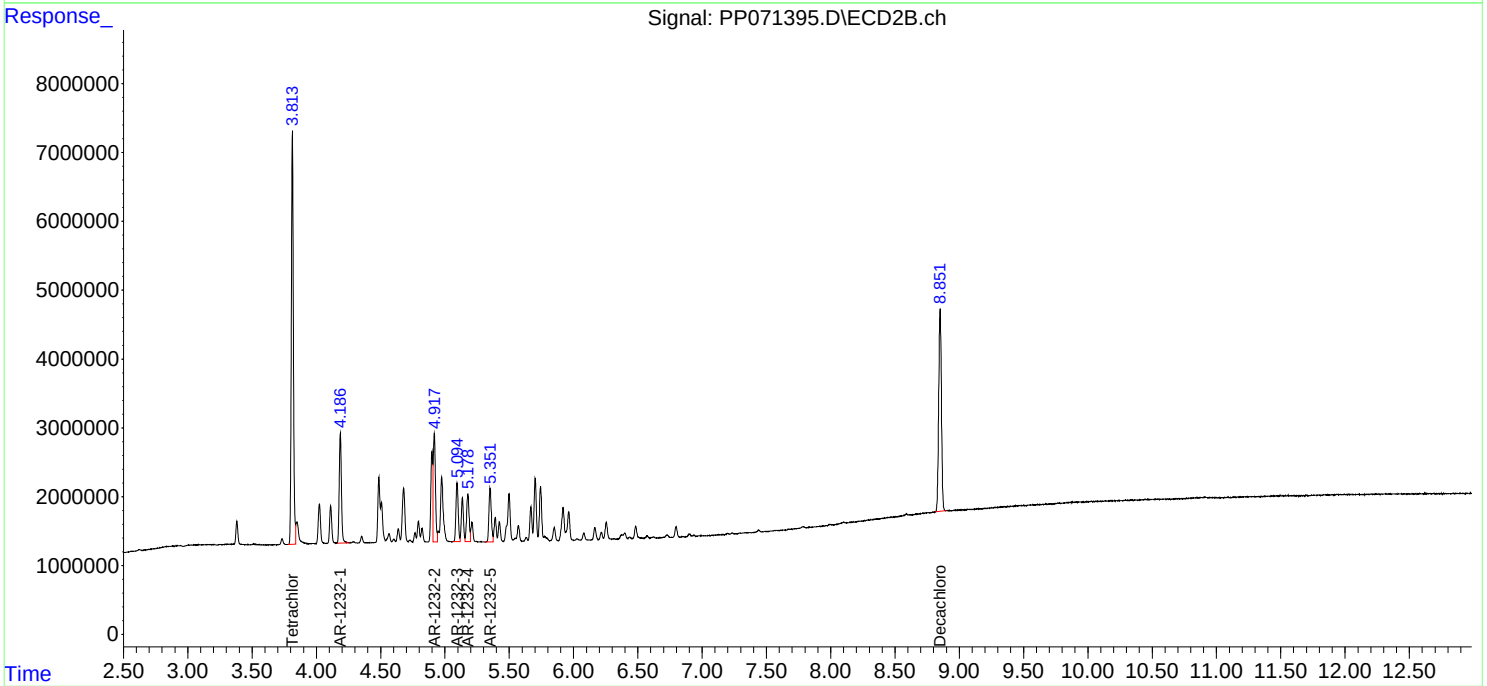
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:07
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

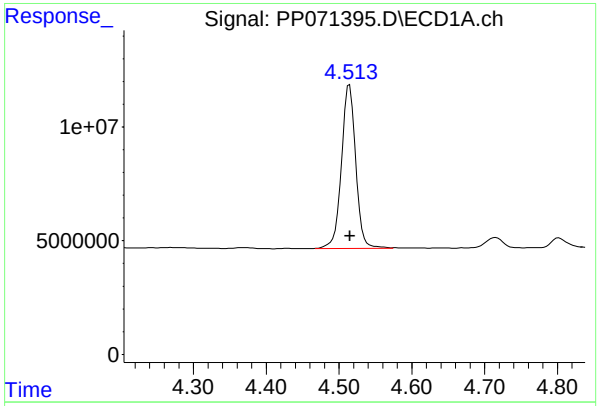
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 12:29:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 12:26:37 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



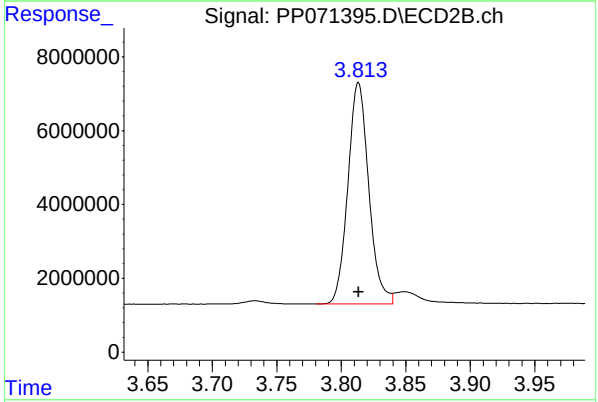




#1 Tetrachloro-m-xylene

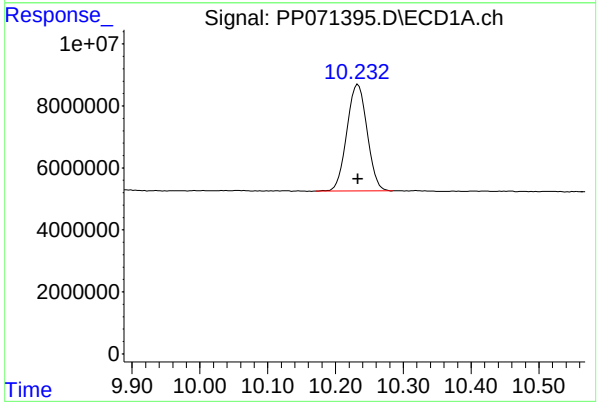
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 97587735
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



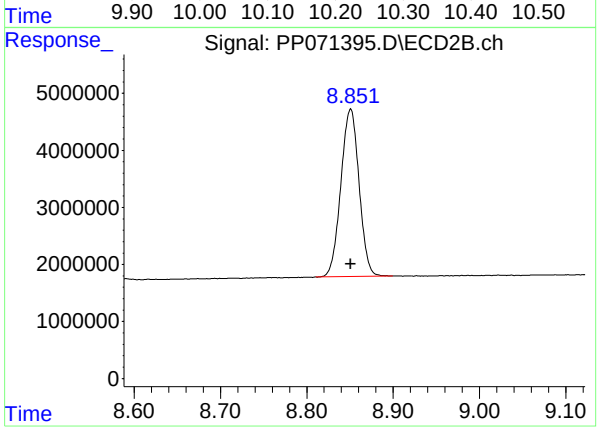
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 67524433
Conc: 50.00 ng/ml



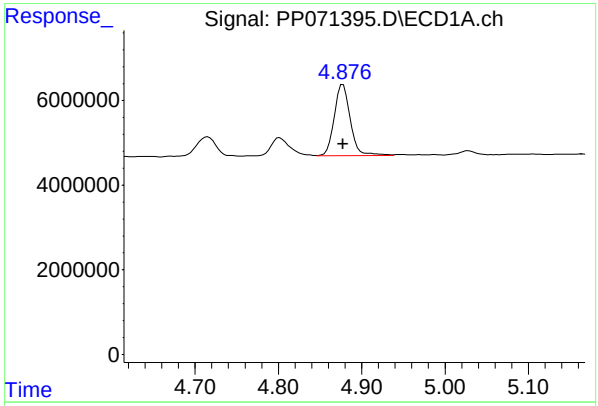
#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: 0.000 min
Response: 71248479
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

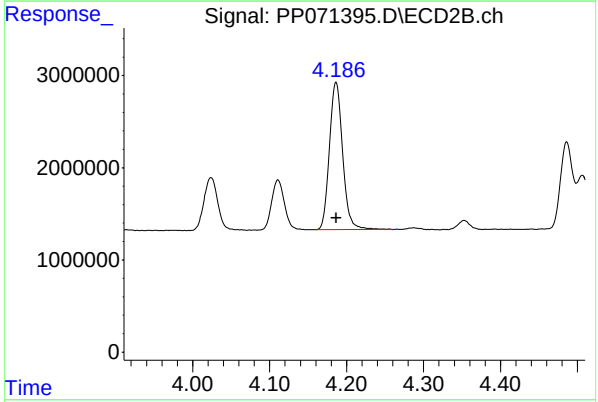
R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 42941843
Conc: 50.00 ng/ml



#11 AR-1232-1

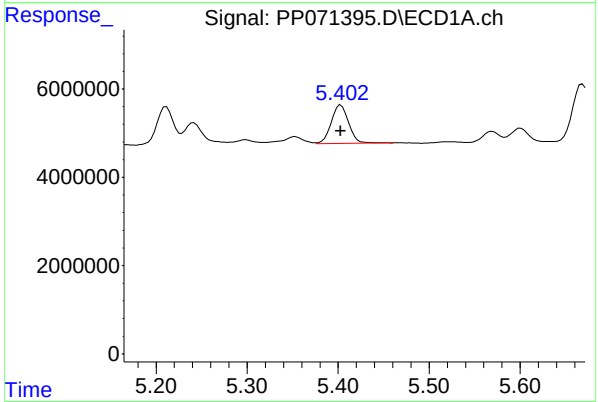
R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 22456038
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



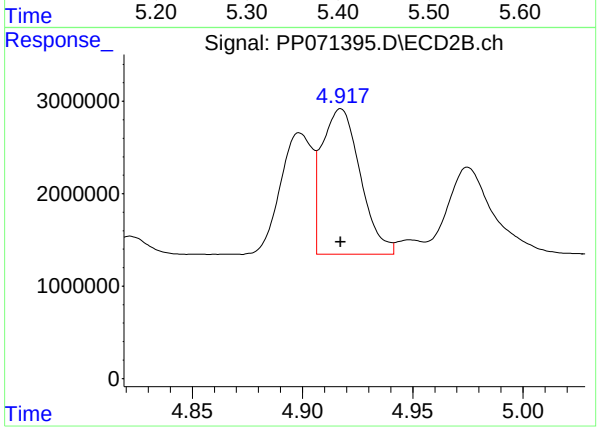
#11 AR-1232-1

R.T.: 4.186 min
Delta R.T.: 0.000 min
Response: 19158895
Conc: 500.00 ng/ml



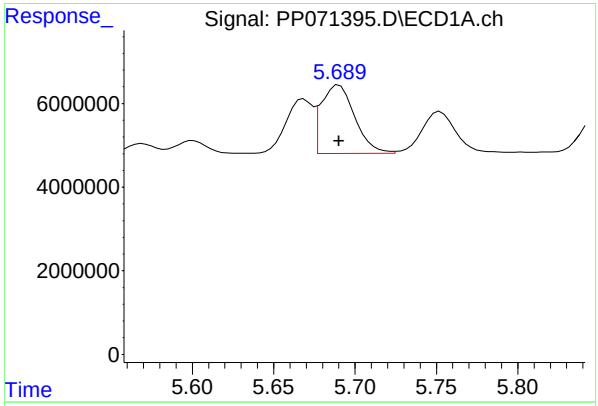
#12 AR-1232-2

R.T.: 5.403 min
Delta R.T.: 0.000 min
Response: 11506547
Conc: 500.00 ng/ml



#12 AR-1232-2

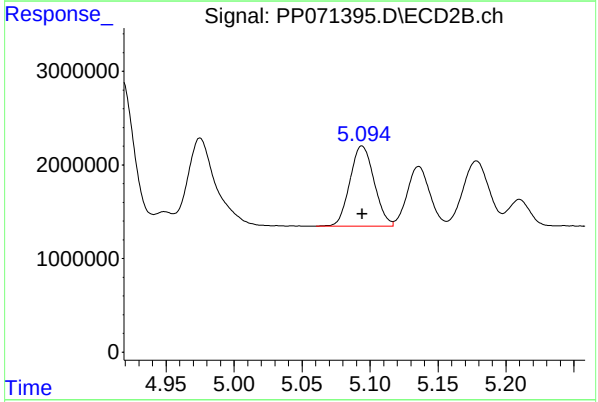
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 19093695
Conc: 500.00 ng/ml



#13 AR-1232-3

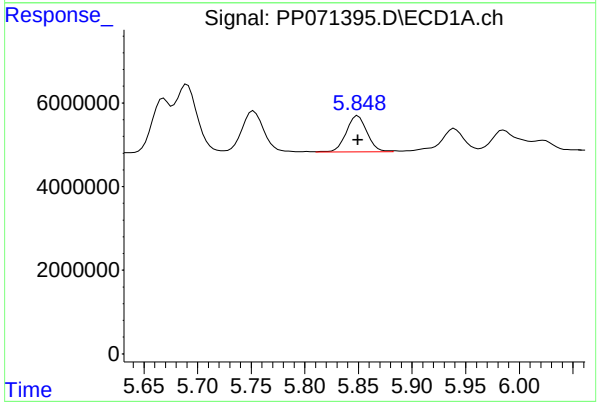
R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 23608778
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



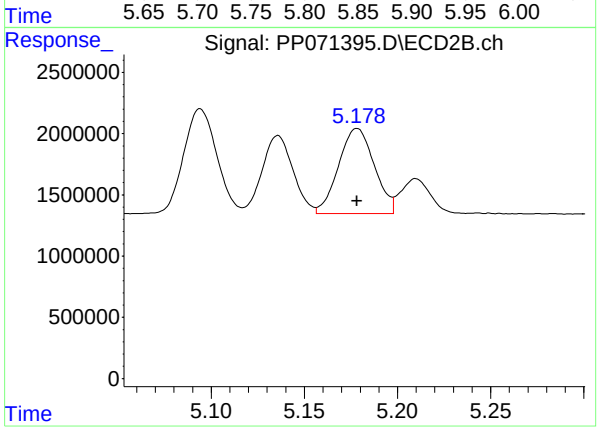
#13 AR-1232-3

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 10587643
Conc: 500.00 ng/ml



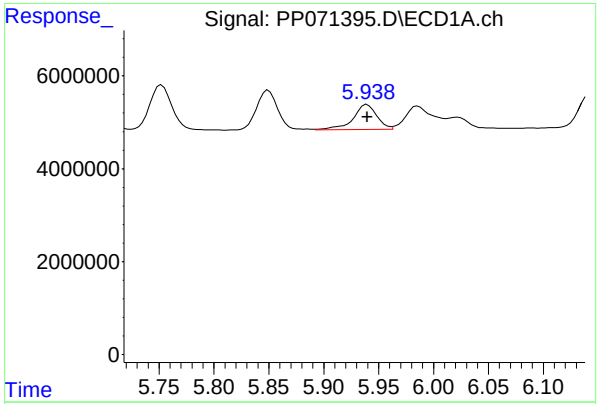
#14 AR-1232-4

R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 11589674
Conc: 500.00 ng/ml



#14 AR-1232-4

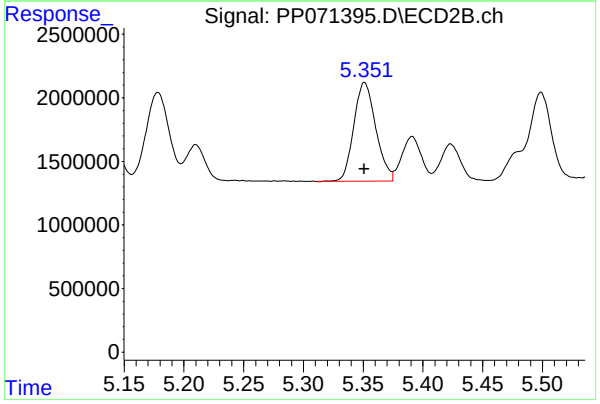
R.T.: 5.178 min
Delta R.T.: 0.000 min
Response: 9270206
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 8072861
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.351 min
Delta R.T.: 0.000 min
Response: 9950926
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:23
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: Apr 22 13:20:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 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...	4.513	3.812	186.9E6	129.5E6	96.183	92.543
2)	SA Decachlor...	10.233	8.849	136.9E6	81561508	95.790	95.248
	Target Compounds						
16)	L4 AR-1242-1	5.668	4.897	53870259	42717527	958.842	942.603
17)	L4 AR-1242-2	5.689	4.916	81881116	62346958	951.456	954.464
18)	L4 AR-1242-3	5.751	5.093	49423643	34614031	962.179	947.245
19)	L4 AR-1242-4	5.848	5.177	41638031	33518120	960.813	943.289
20)	L4 AR-1242-5	6.580	5.701	44955701	41214500	963.821	956.409

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

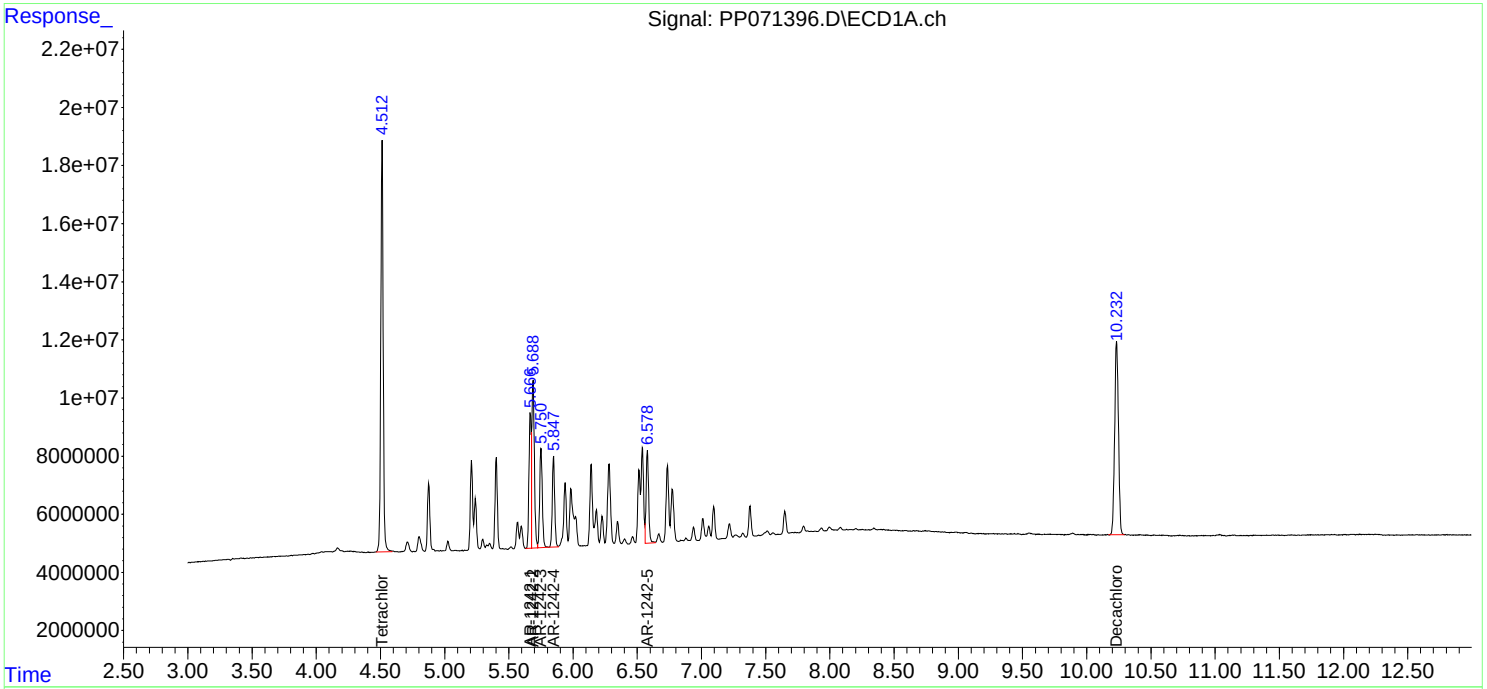
ICAL Form

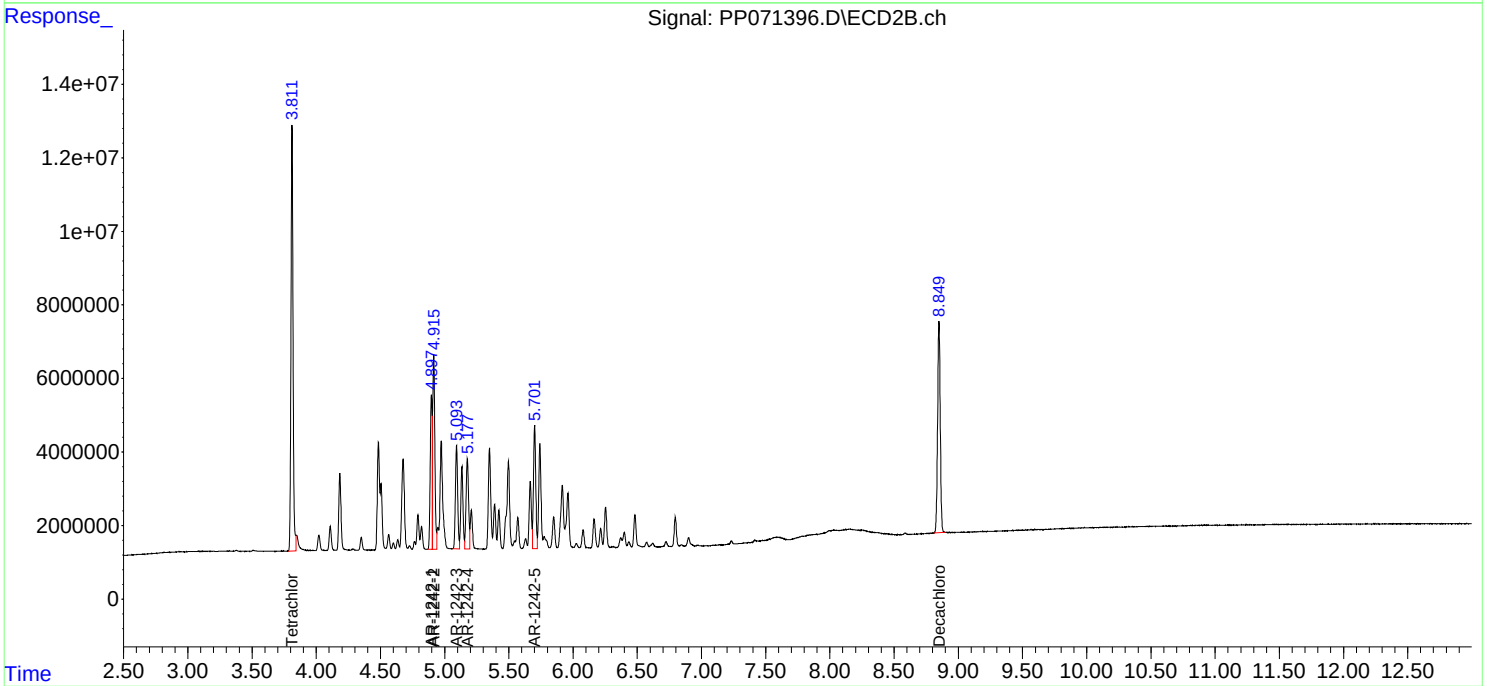
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:23
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

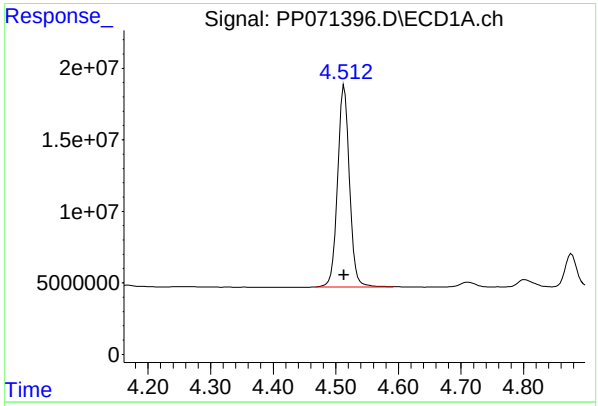
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:20:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 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



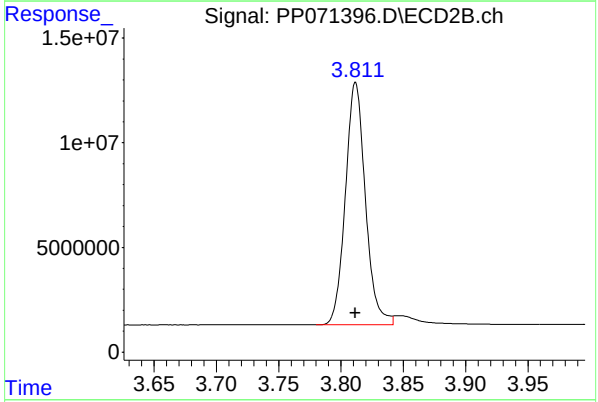




#1 Tetrachloro-m-xylene

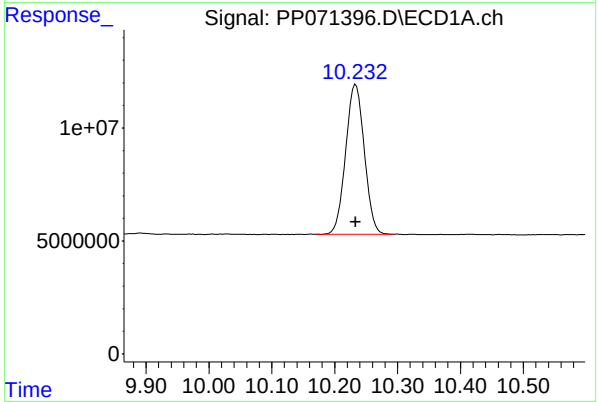
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 186894535
Conc: 96.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



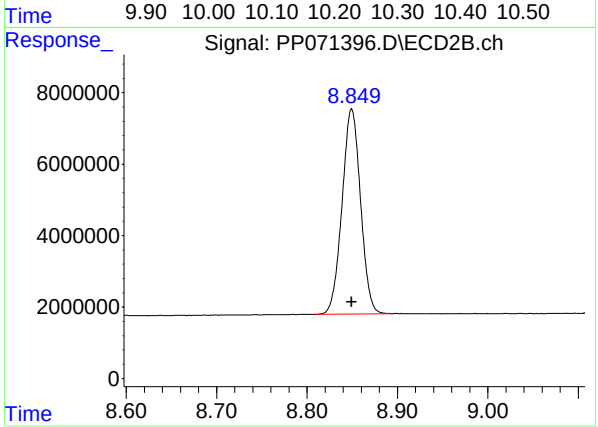
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 129515962
Conc: 92.54 ng/ml



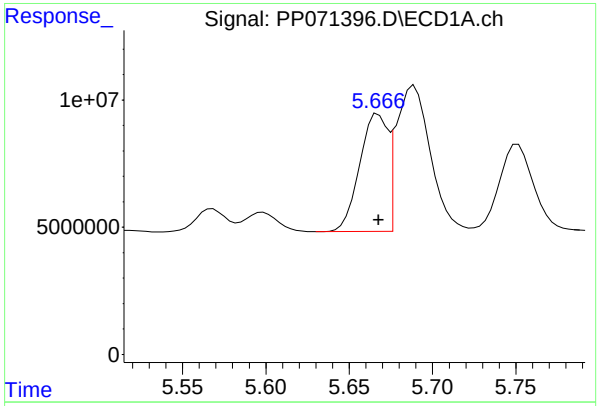
#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: 0.000 min
Response: 136854767
Conc: 95.79 ng/ml



#2 Decachlorobiphenyl

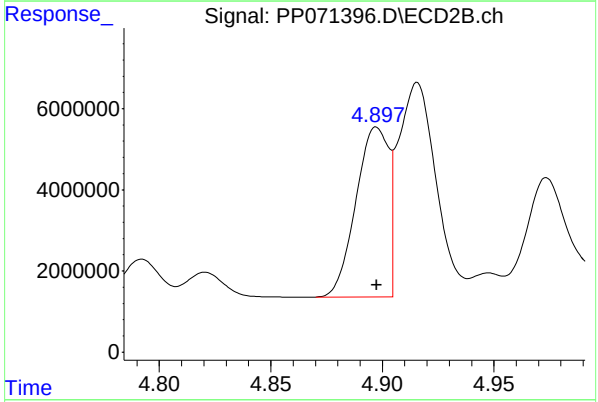
R.T.: 8.849 min
Delta R.T.: 0.000 min
Response: 81561508
Conc: 95.25 ng/ml



#16 AR-1242-1

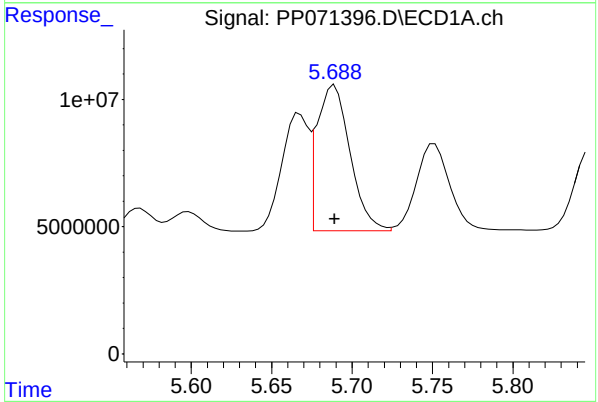
R.T.: 5.668 min
Delta R.T.: 0.000 min
Response: 53870259
Conc: 958.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



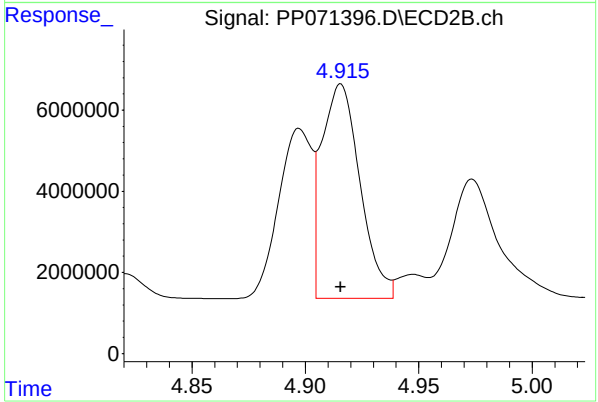
#16 AR-1242-1

R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 42717527
Conc: 942.60 ng/ml



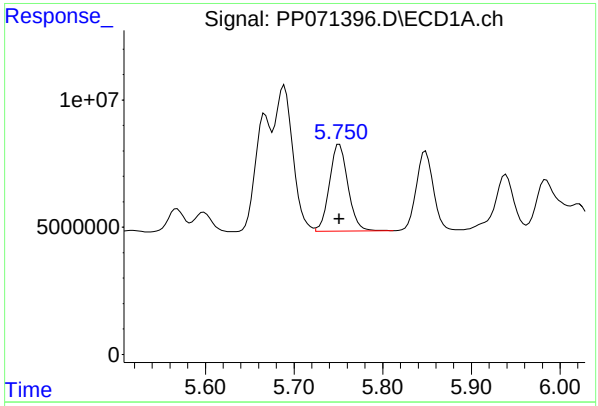
#17 AR-1242-2

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 81881116
Conc: 951.46 ng/ml



#17 AR-1242-2

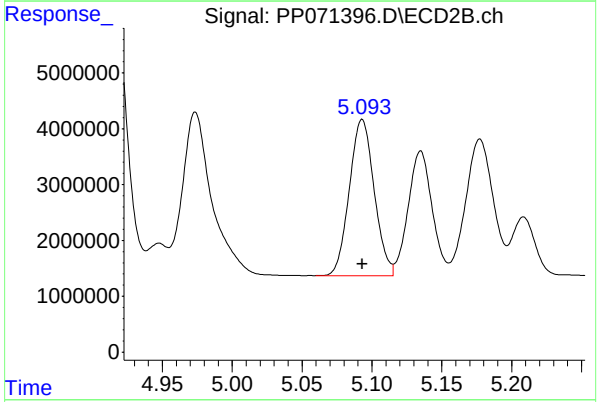
R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 62346958
Conc: 954.46 ng/ml



#18 AR-1242-3

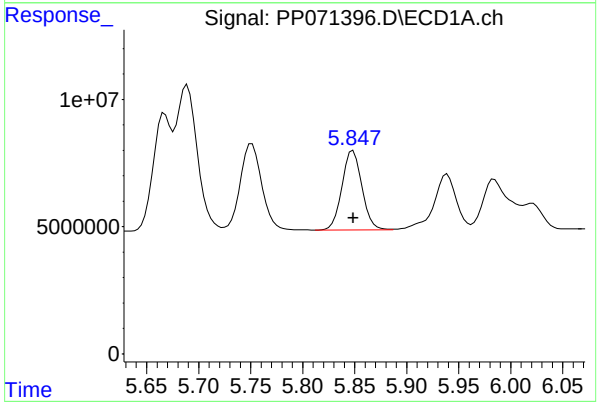
R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 49423643
Conc: 962.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



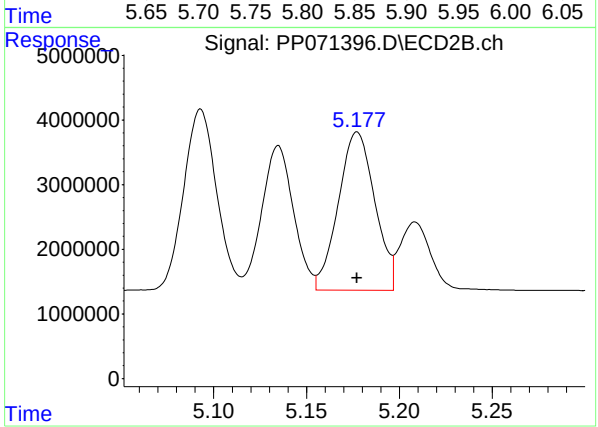
#18 AR-1242-3

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 34614031
Conc: 947.24 ng/ml



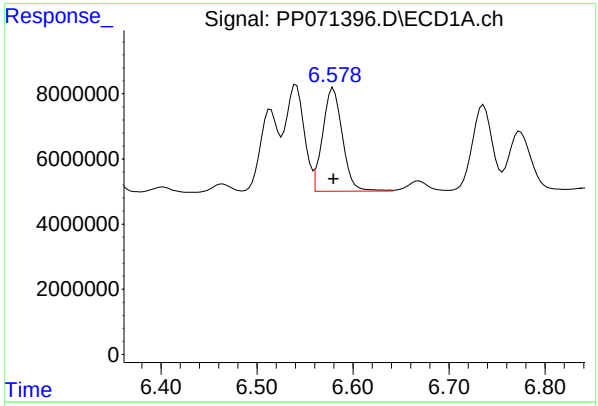
#19 AR-1242-4

R.T.: 5.848 min
Delta R.T.: 0.000 min
Response: 41638031
Conc: 960.81 ng/ml



#19 AR-1242-4

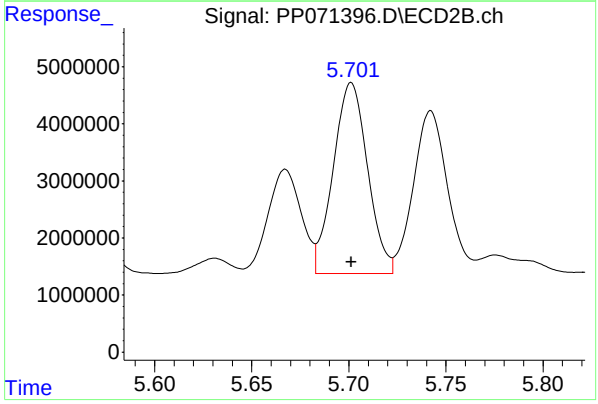
R.T.: 5.177 min
Delta R.T.: 0.000 min
Response: 33518120
Conc: 943.29 ng/ml



#20 AR-1242-5

R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 44955701
Conc: 963.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 41214500
Conc: 956.41 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:39
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: Apr 22 13:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 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...	4.515	3.813	144.5E6	99405951	74.571	72.305
2)	SA Decachlor...	10.236	8.850	106.6E6	63879480	74.739	74.732
	Target Compounds						
16)	L4 AR-1242-1	5.669	4.899	41763307	33495158	745.553	742.700
17)	L4 AR-1242-2	5.691	4.917	64231120	48675819	747.572	746.776
18)	L4 AR-1242-3	5.753	5.094	38470772	26777904	749.299	738.446
19)	L4 AR-1242-4	5.850	5.179	32141516	25994749	744.431	737.606
20)	L4 AR-1242-5	6.581	5.703	34794164	32016406	747.305	745.293

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

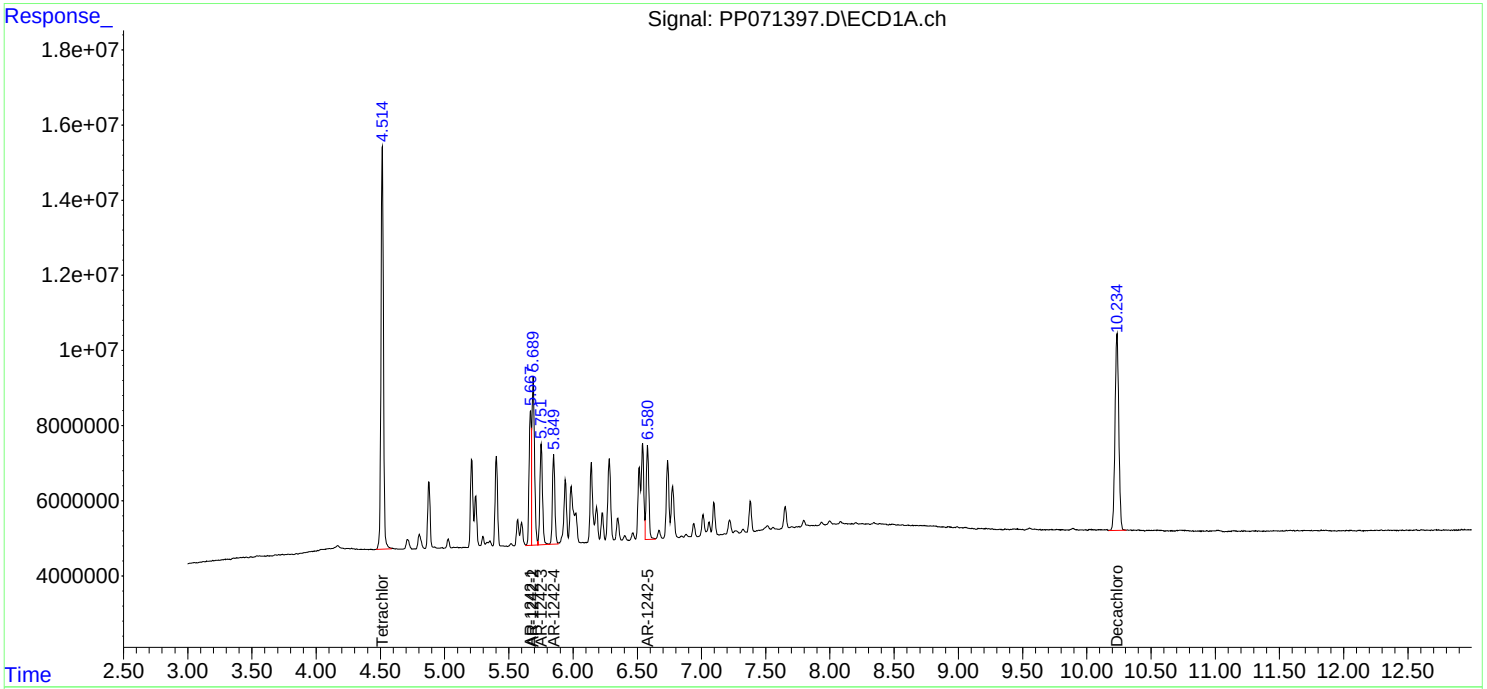
ICAL Form

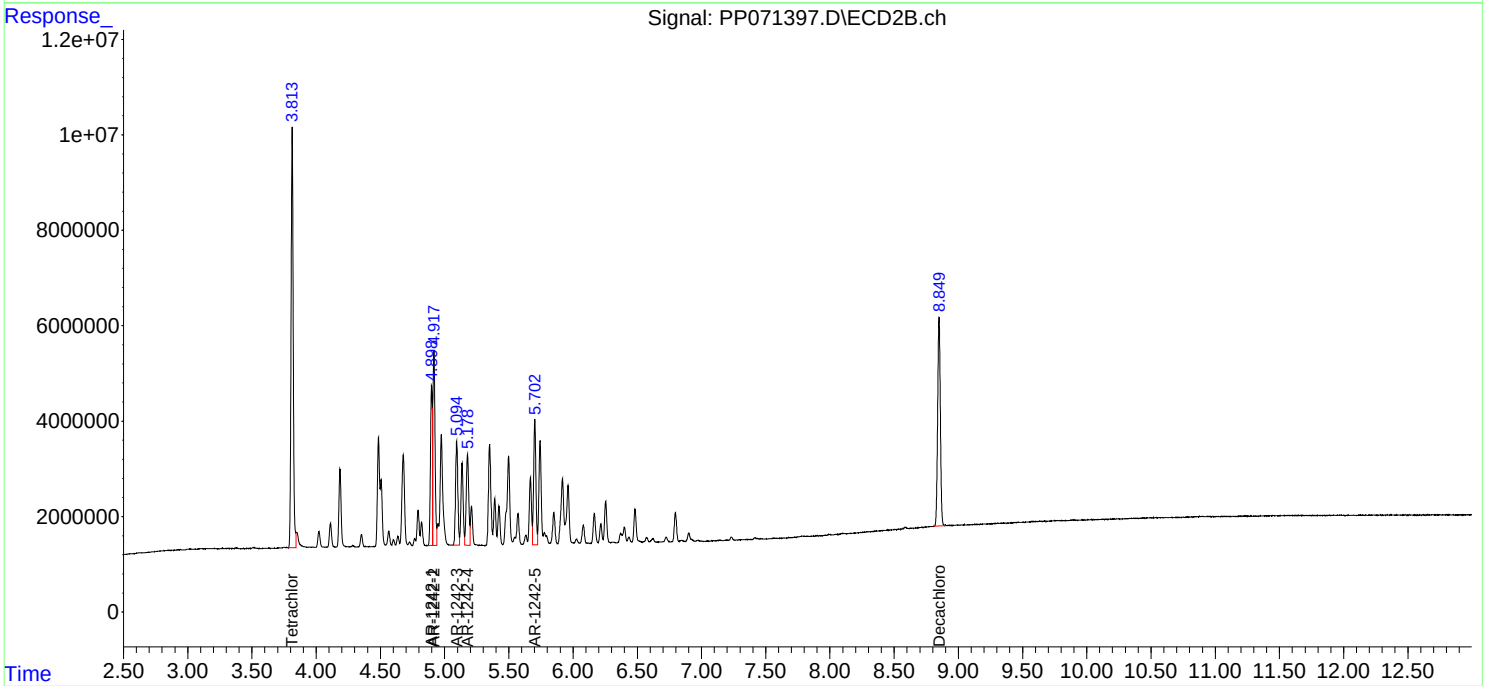
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:39
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

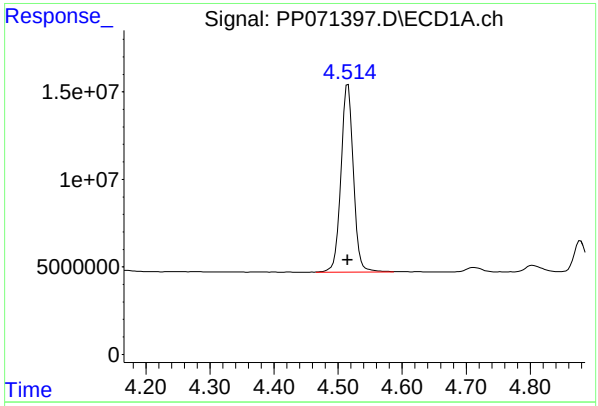
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 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



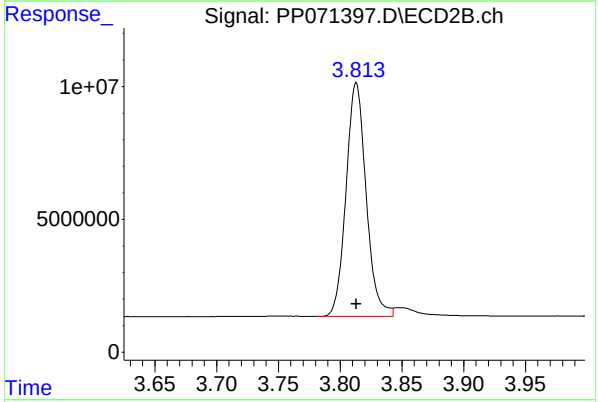




#1 Tetrachloro-m-xylene

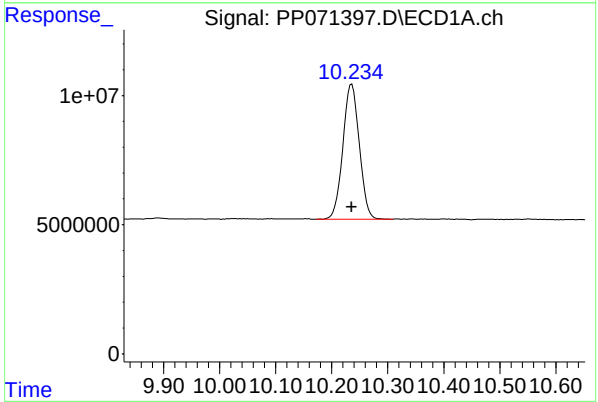
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 144487060
Conc: 74.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



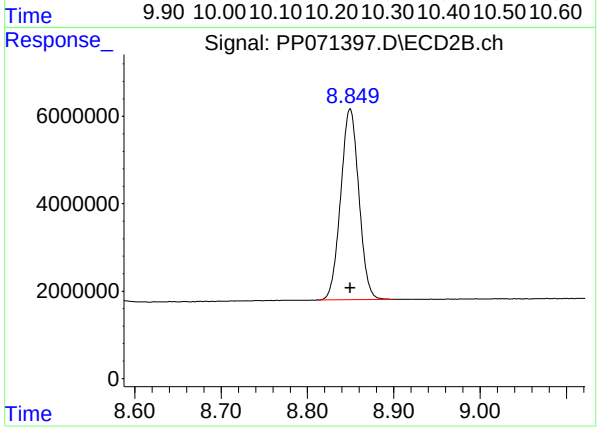
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 99405951
Conc: 72.30 ng/ml



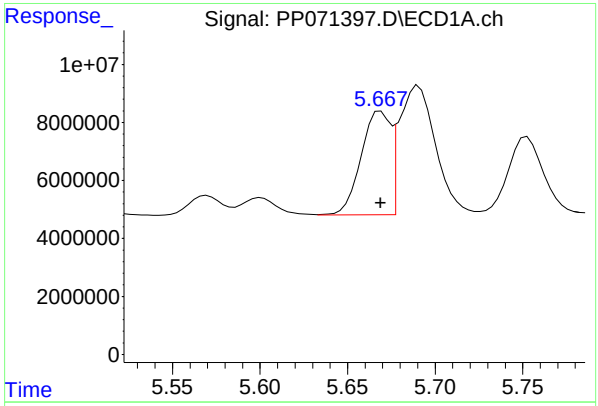
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 106593076
Conc: 74.74 ng/ml



#2 Decachlorobiphenyl

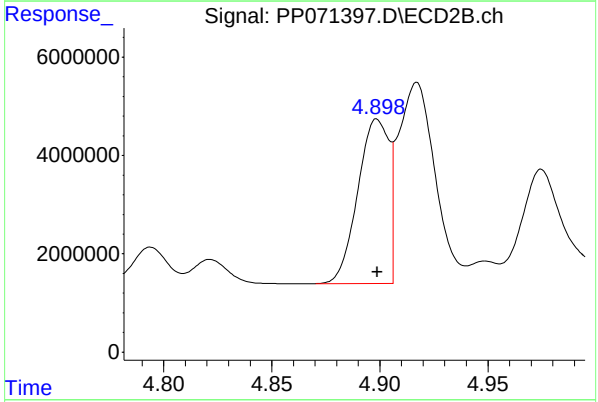
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 63879480
Conc: 74.73 ng/ml



#16 AR-1242-1

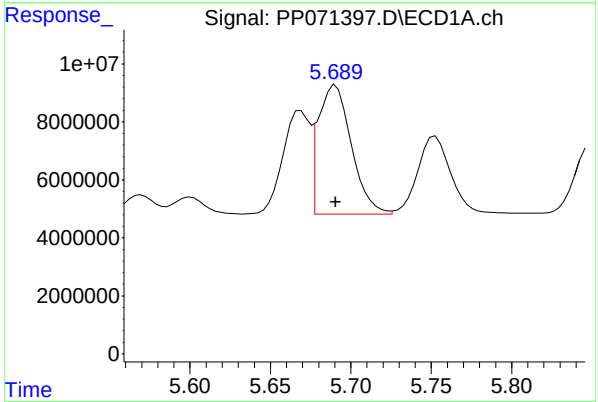
R.T.: 5.669 min
Delta R.T.: 0.000 min
Response: 41763307
Conc: 745.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



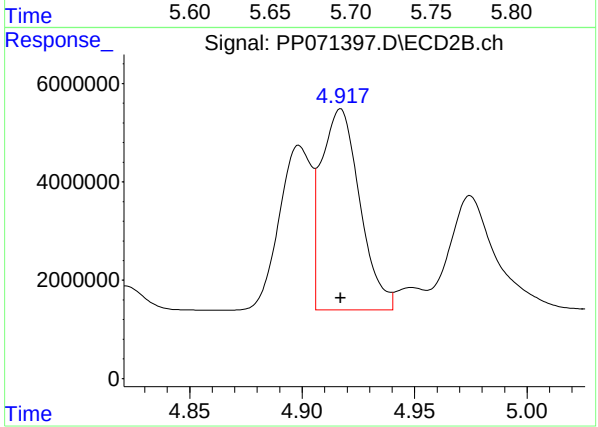
#16 AR-1242-1

R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 33495158
Conc: 742.70 ng/ml



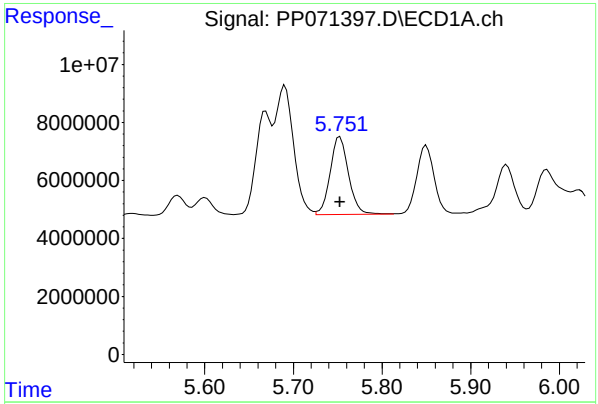
#17 AR-1242-2

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 64231120
Conc: 747.57 ng/ml



#17 AR-1242-2

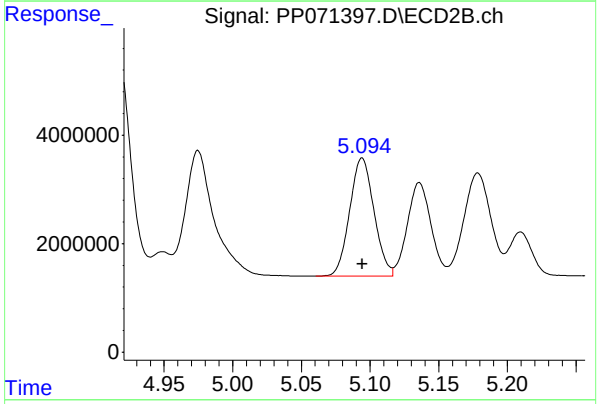
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 48675819
Conc: 746.78 ng/ml



#18 AR-1242-3

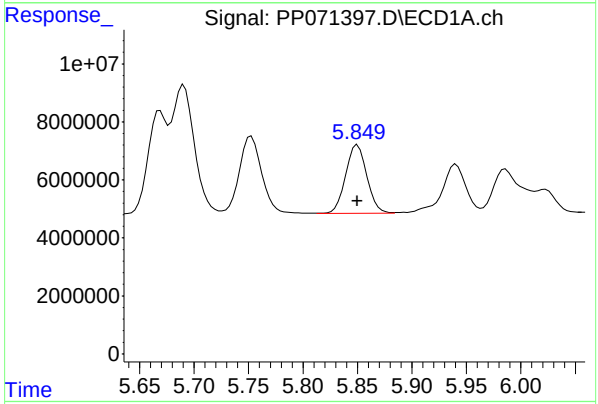
R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 38470772
Conc: 749.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



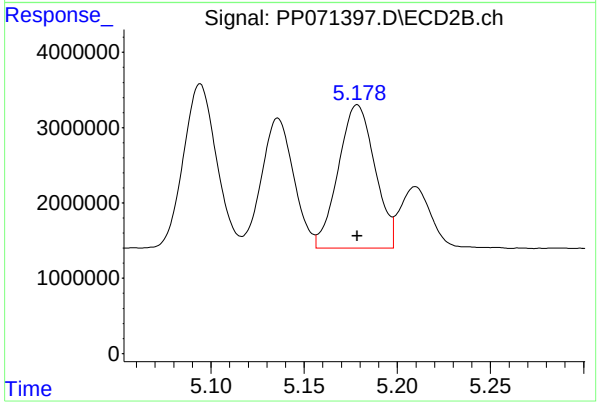
#18 AR-1242-3

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 26777904
Conc: 738.45 ng/ml



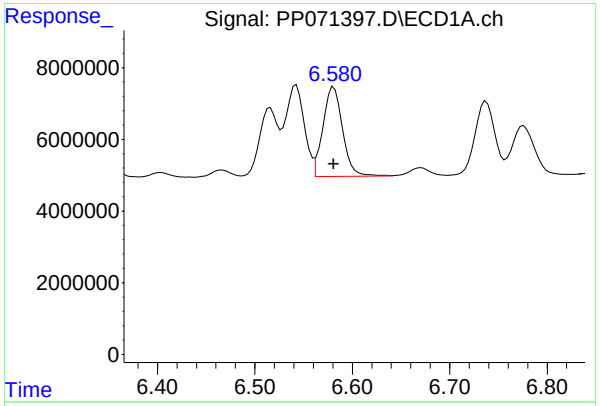
#19 AR-1242-4

R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 32141516
Conc: 744.43 ng/ml



#19 AR-1242-4

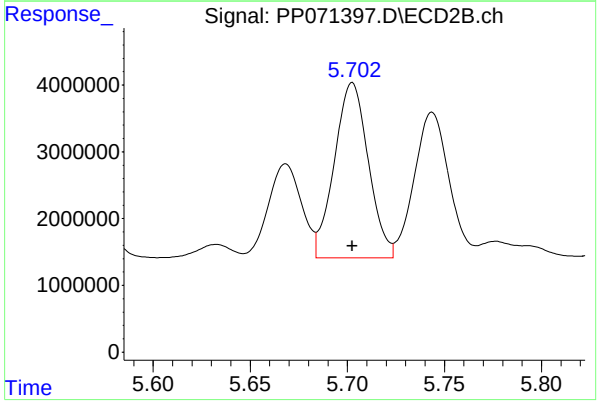
R.T.: 5.179 min
Delta R.T.: 0.000 min
Response: 25994749
Conc: 737.61 ng/ml



#20 AR-1242-5

R.T.: 6.581 min
Delta R.T.: 0.000 min
Response: 34794164
Conc: 747.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 32016406
Conc: 745.29 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:56
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: Apr 22 13:13:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 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...	4.514	3.812	100.9E6	75193817	50.000	50.000
2)	SA Decachlor...	10.235	8.850	74441902	44850133	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.669	4.898	29247490	23959903	500.000	500.000
17)	L4 AR-1242-2	5.690	4.916	45118235	34147953	500.000	500.000
18)	L4 AR-1242-3	5.752	5.093	26654530	19234787	500.000	500.000
19)	L4 AR-1242-4	5.849	5.178	22517234	18774167	500.000	500.000
20)	L4 AR-1242-5	6.581	5.701	24165350	22485728	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

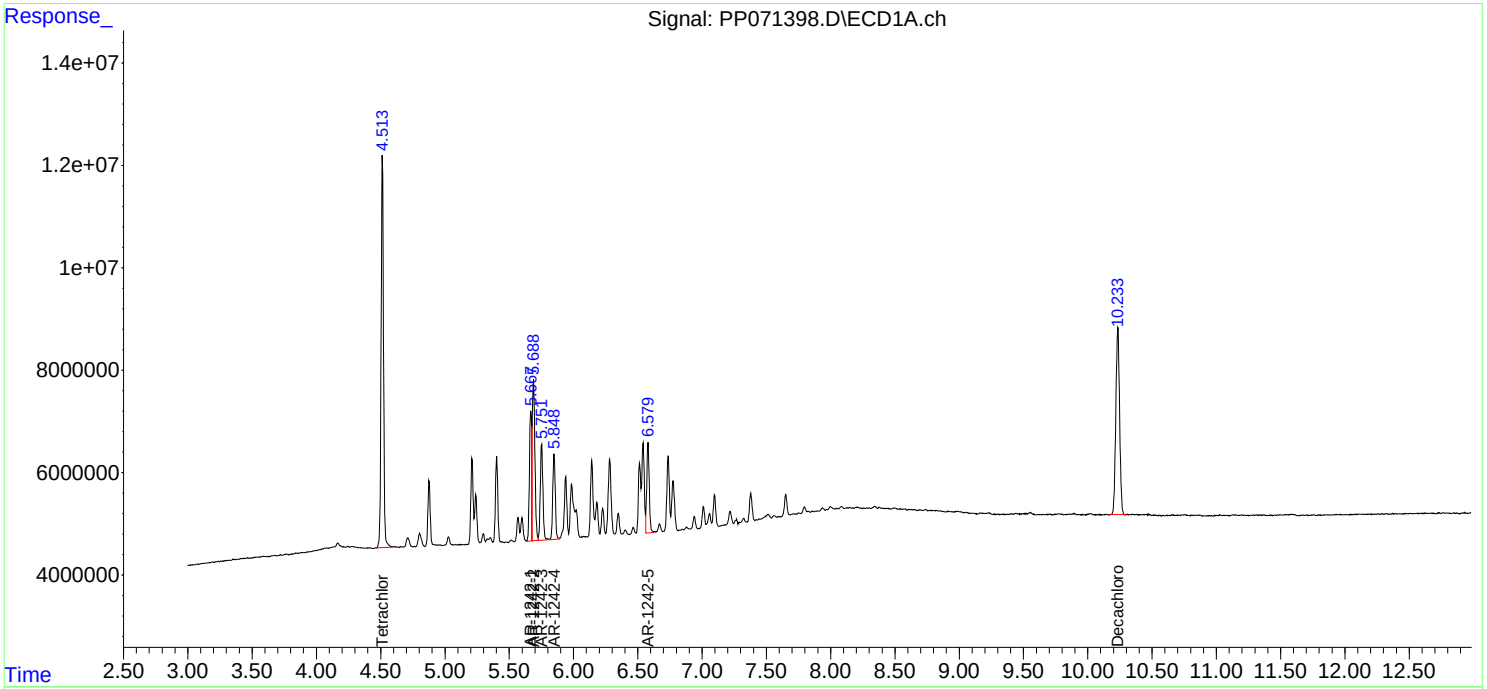
ICAL Form

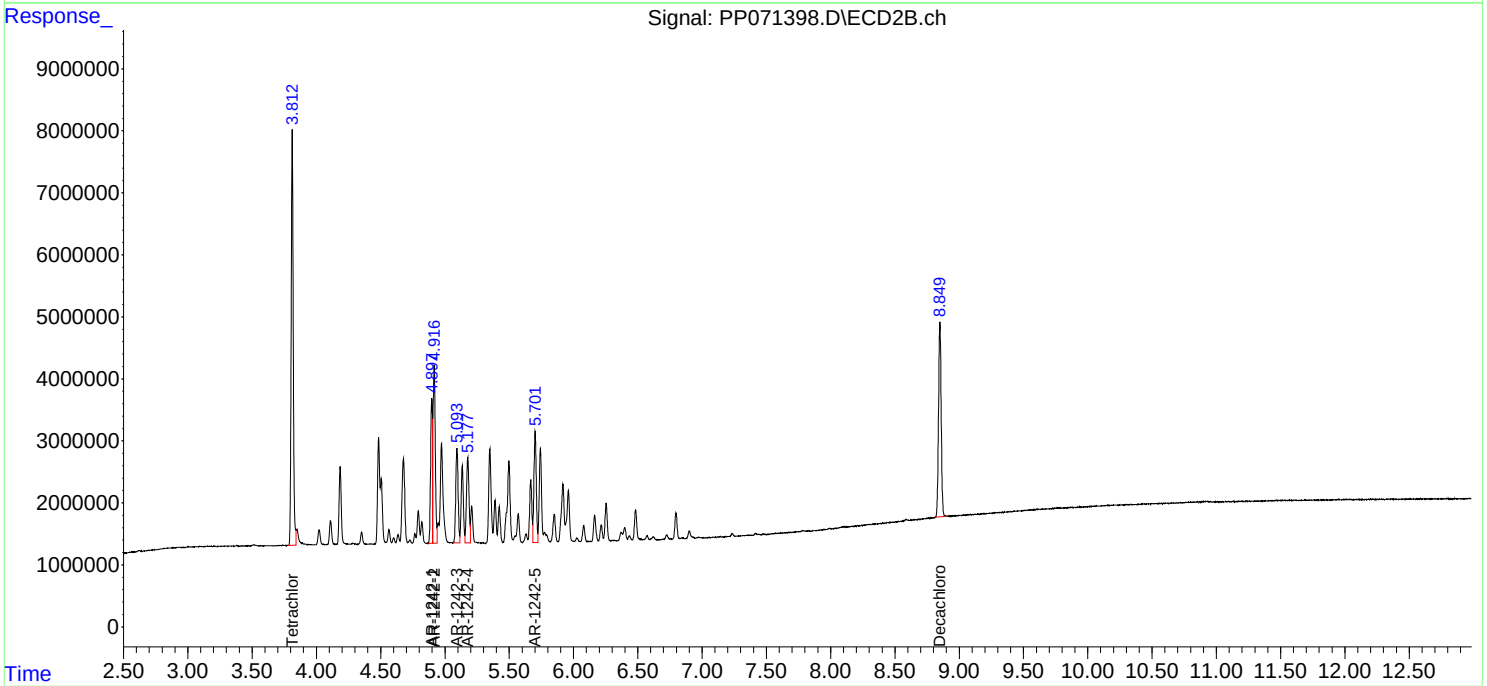
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 12:56
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

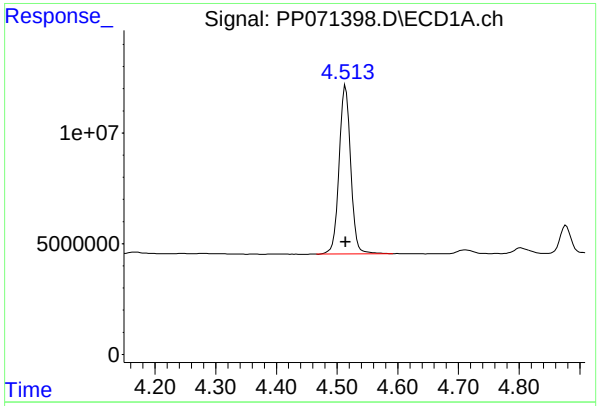
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:13:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:13:15 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



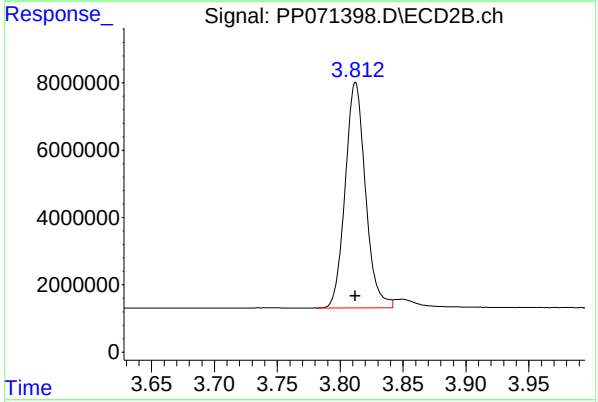




#1 Tetrachloro-m-xylene

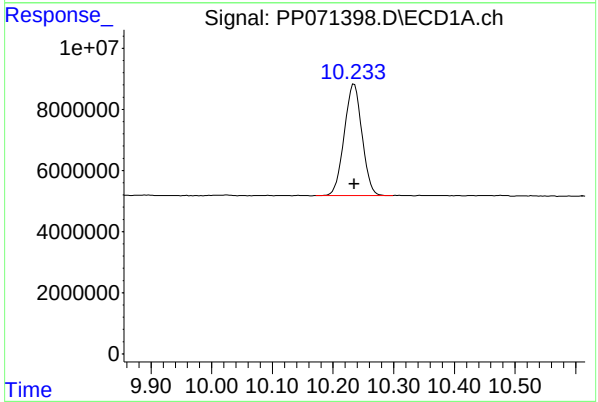
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 100863617
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



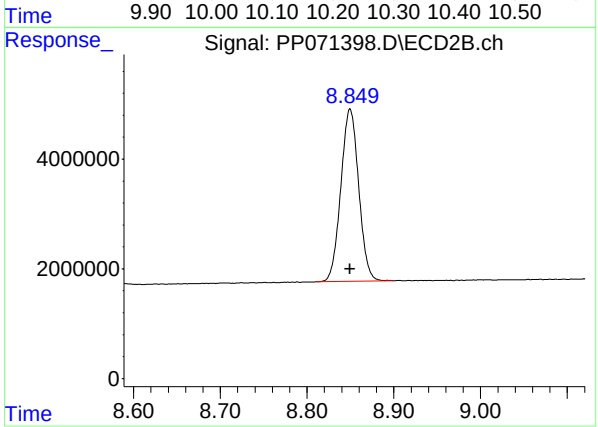
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 75193817
Conc: 50.00 ng/ml



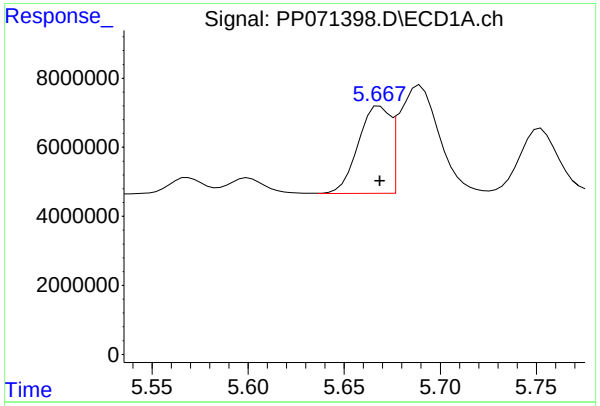
#2 Decachlorobiphenyl

R.T.: 10.235 min
Delta R.T.: 0.000 min
Response: 74441902
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

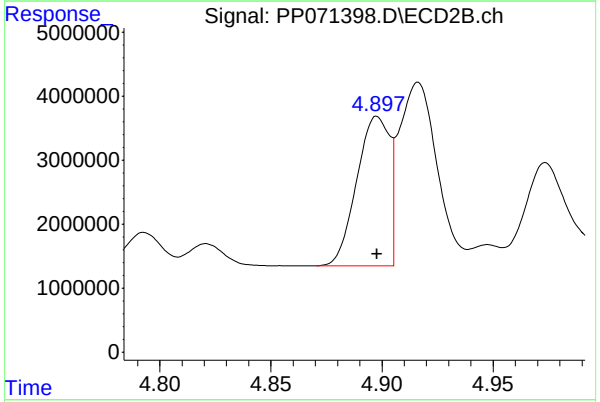
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 44850133
Conc: 50.00 ng/ml



#16 AR-1242-1

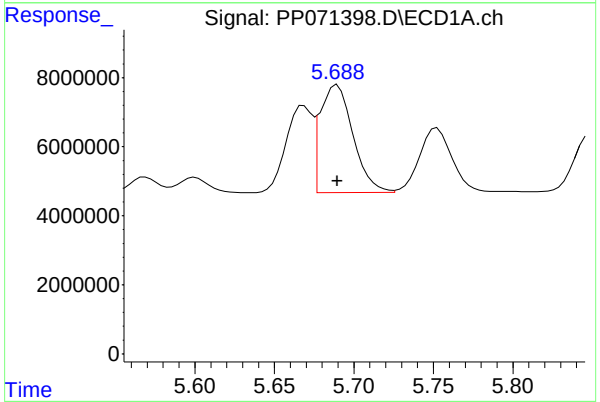
R.T.: 5.669 min
Delta R.T.: 0.000 min
Response: 29247490
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



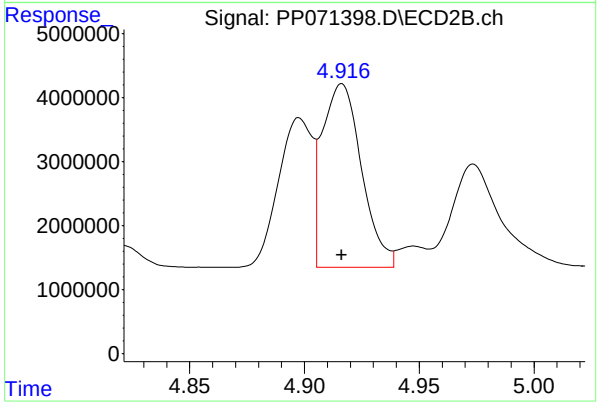
#16 AR-1242-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 23959903
Conc: 500.00 ng/ml



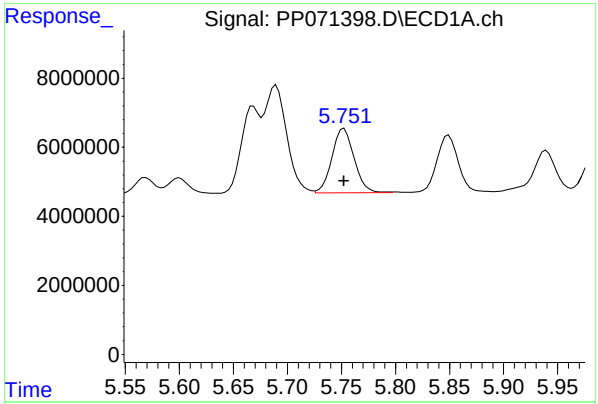
#17 AR-1242-2

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 45118235
Conc: 500.00 ng/ml



#17 AR-1242-2

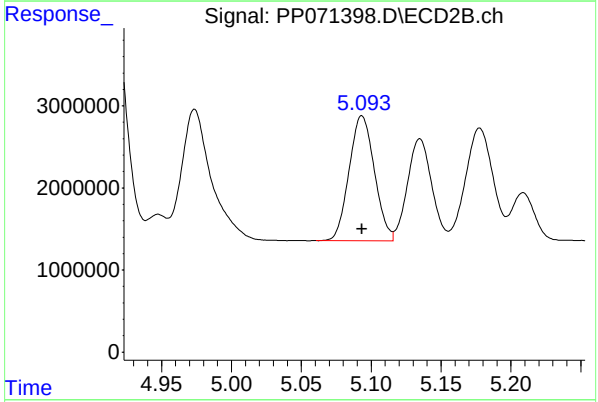
R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 34147953
Conc: 500.00 ng/ml



#18 AR-1242-3

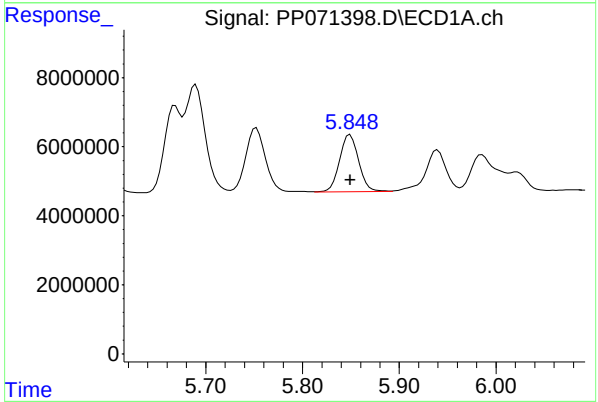
R.T.: 5.752 min
Delta R.T.: 0.000 min
Response: 26654530
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



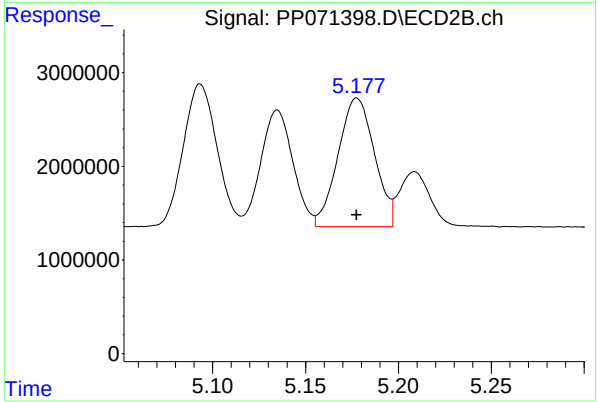
#18 AR-1242-3

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 19234787
Conc: 500.00 ng/ml



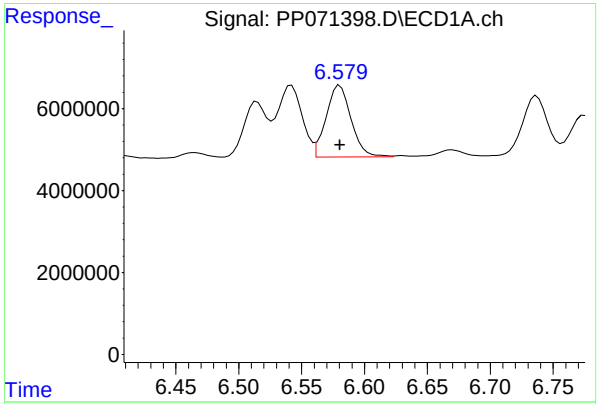
#19 AR-1242-4

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 22517234
Conc: 500.00 ng/ml



#19 AR-1242-4

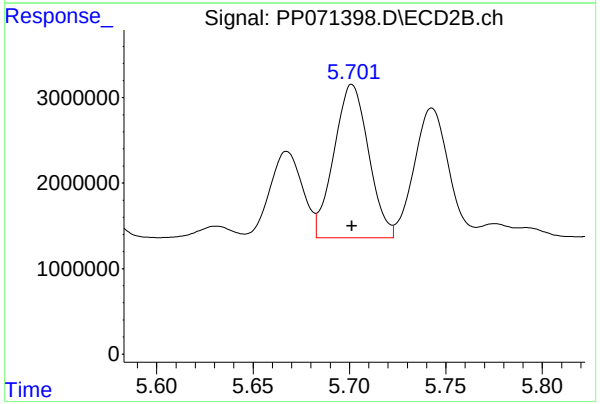
R.T.: 5.178 min
Delta R.T.: 0.000 min
Response: 18774167
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.581 min
Delta R.T.: 0.000 mi
Response: 24165350
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 22485728
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:12
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: Apr 22 13:34:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:34:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.813	50759754	35812201	25.888	25.778
2)	SA Decachlor...	10.233	8.850	37582587	22937032	26.000	26.351
	Target Compounds						
16)	L4 AR-1242-1	5.668	4.899	14669196	12394168	258.800	268.164
17)	L4 AR-1242-2	5.689	4.917	22436050	17569793	258.254	264.383
18)	L4 AR-1242-3	5.751	5.094	13459217	10184944	259.001	272.457
19)	L4 AR-1242-4	5.849	5.178	11164111	9920754	256.375	272.906
20)	L4 AR-1242-5	6.580	5.702	11989115	11814664	255.584	268.312

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

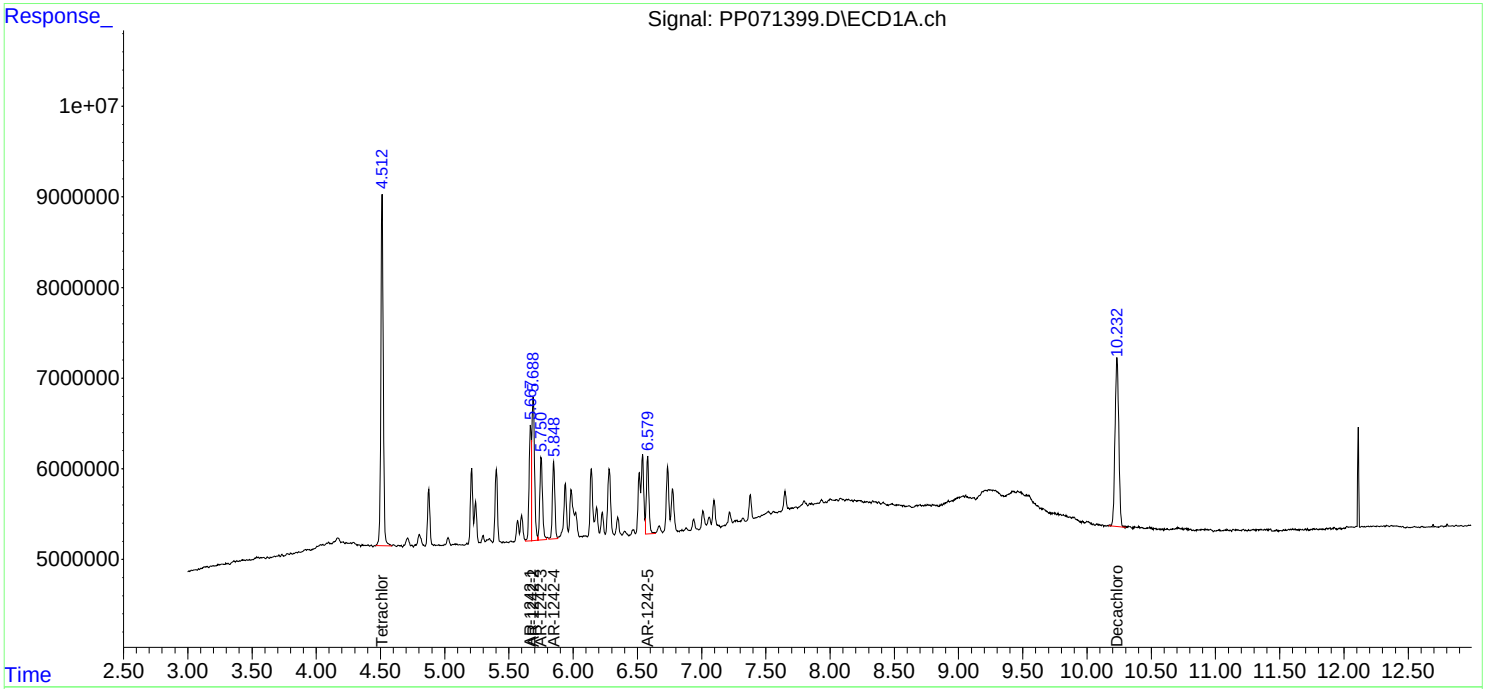
ICAL Form

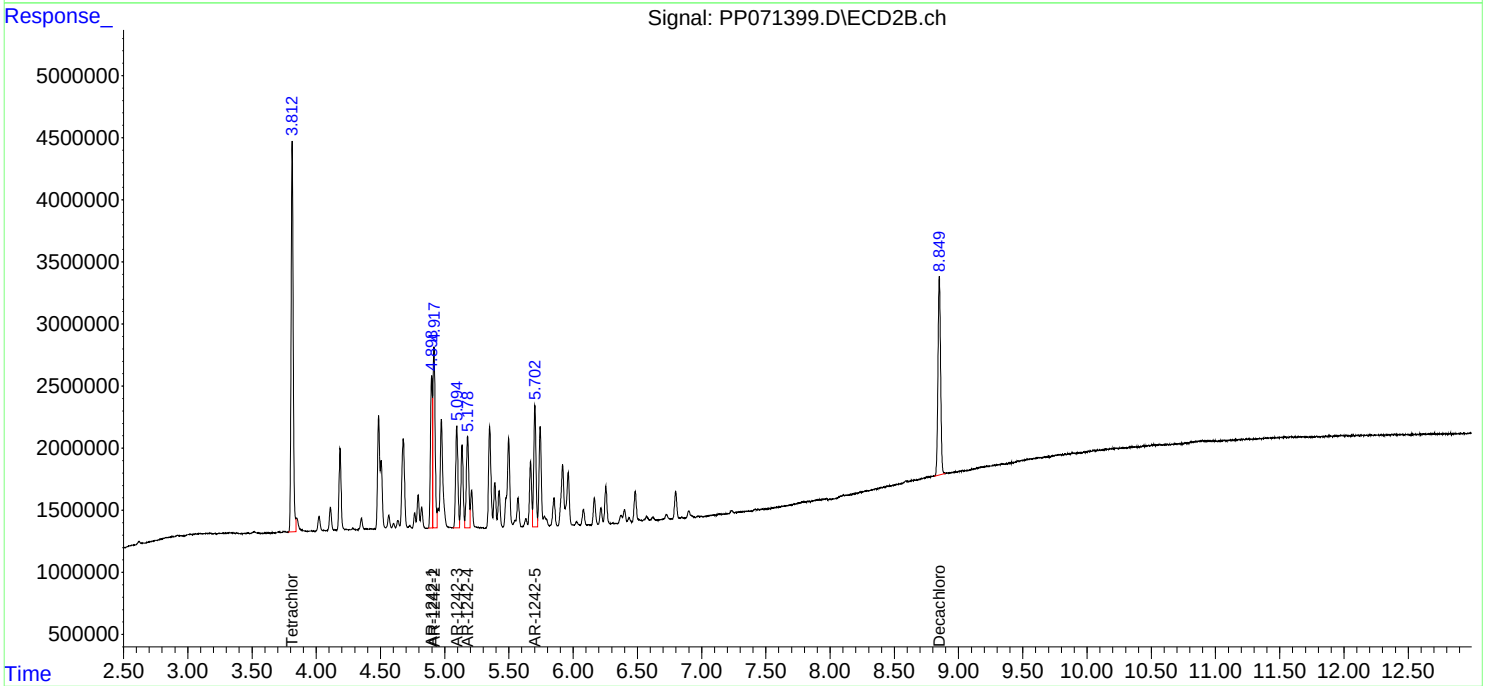
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:12
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

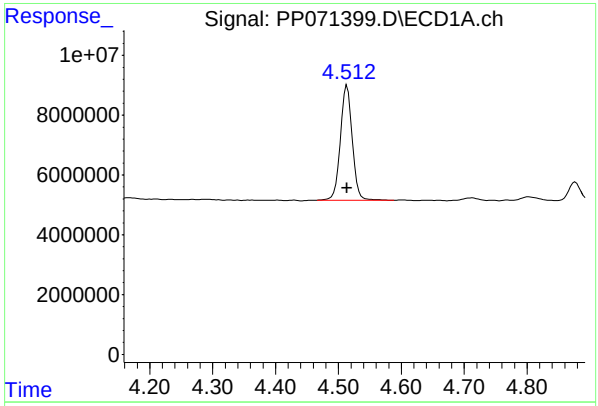
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:34:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:34:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



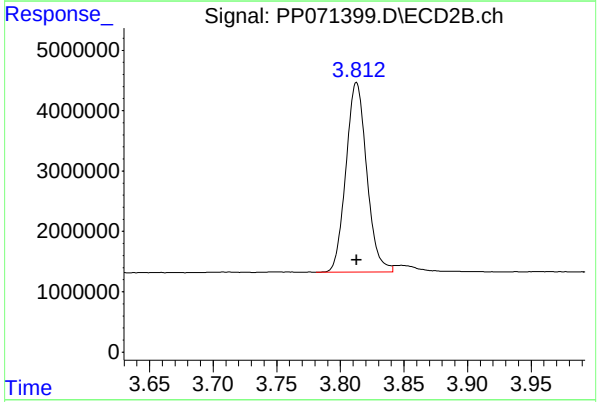




#1 Tetrachloro-m-xylene

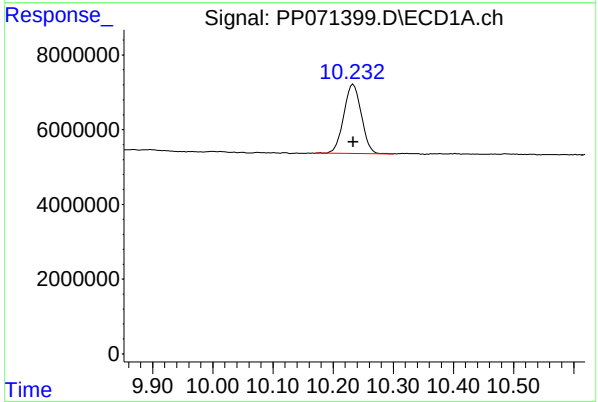
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 50759754
Conc: 25.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



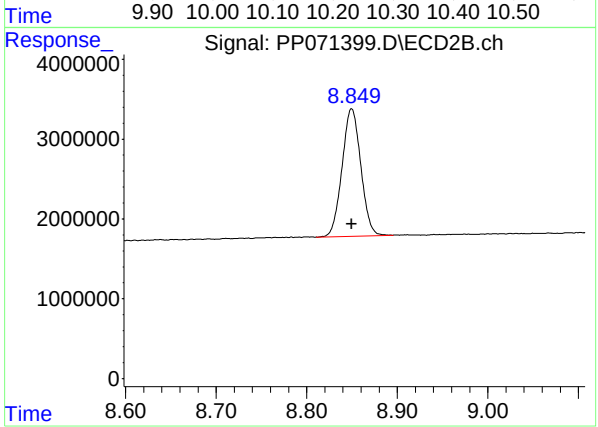
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 35812201
Conc: 25.78 ng/ml



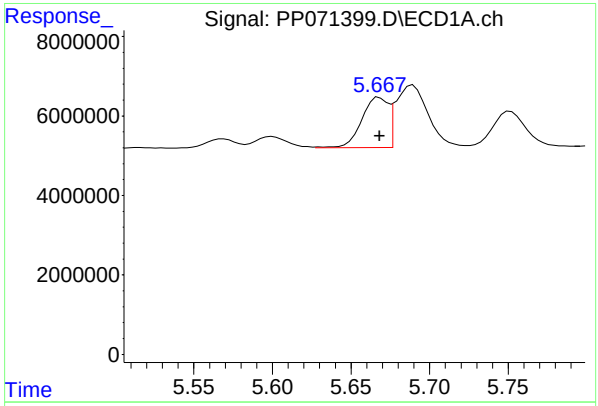
#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: 0.000 min
Response: 37582587
Conc: 26.00 ng/ml



#2 Decachlorobiphenyl

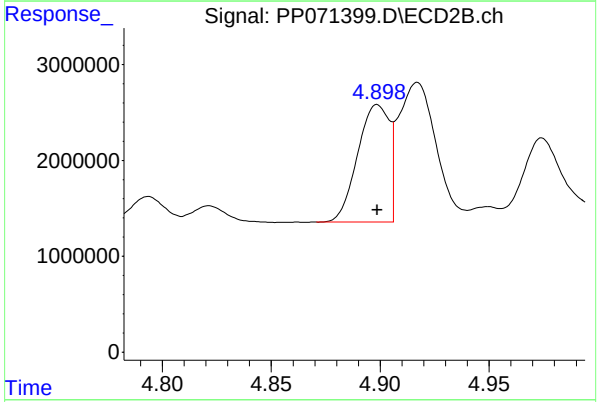
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 22937032
Conc: 26.35 ng/ml



#16 AR-1242-1

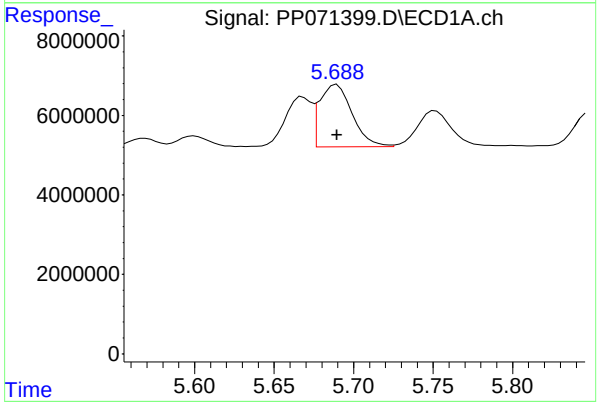
R.T.: 5.668 min
Delta R.T.: 0.000 min
Response: 14669196
Conc: 258.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



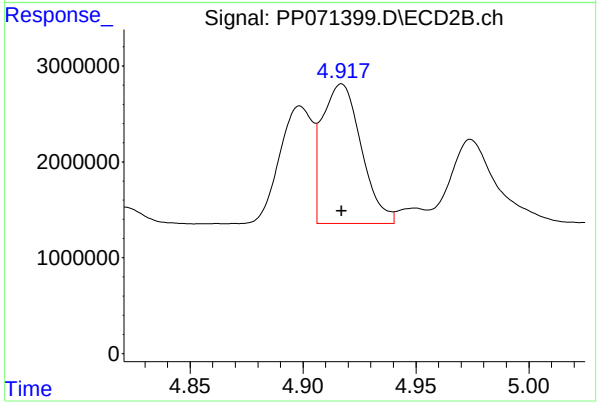
#16 AR-1242-1

R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 12394168
Conc: 268.16 ng/ml



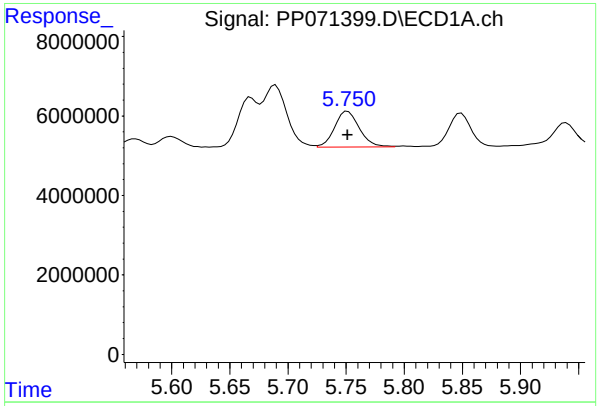
#17 AR-1242-2

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 22436050
Conc: 258.25 ng/ml



#17 AR-1242-2

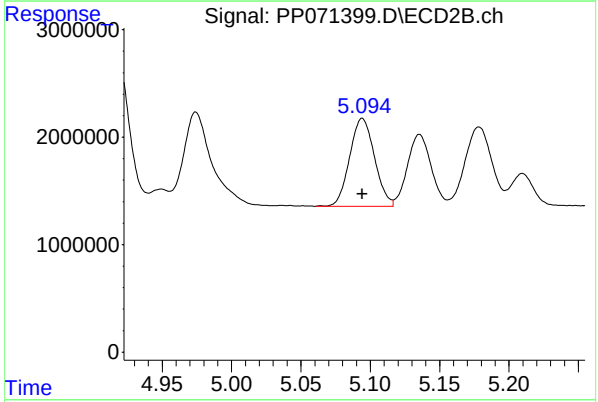
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 17569793
Conc: 264.38 ng/ml



#18 AR-1242-3

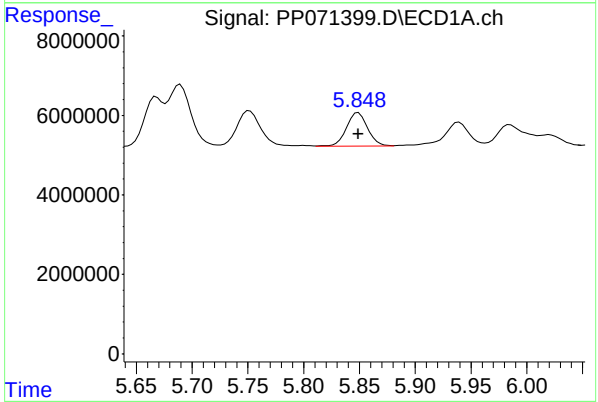
R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 13459217
Conc: 259.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



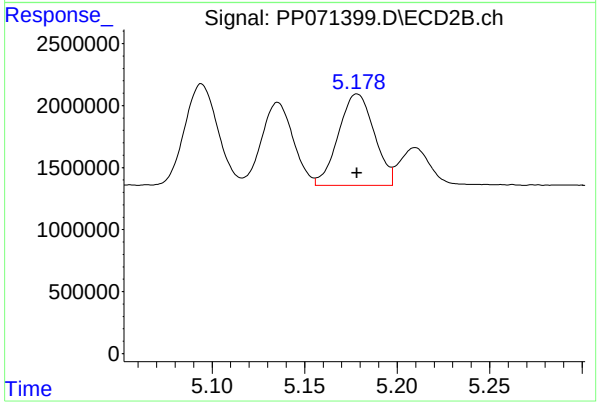
#18 AR-1242-3

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 10184944
Conc: 272.46 ng/ml



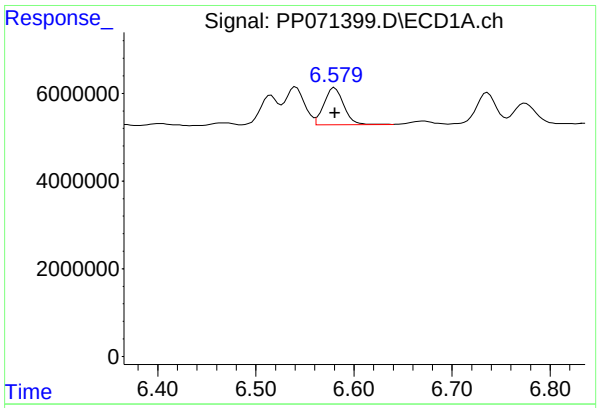
#19 AR-1242-4

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 11164111
Conc: 256.37 ng/ml



#19 AR-1242-4

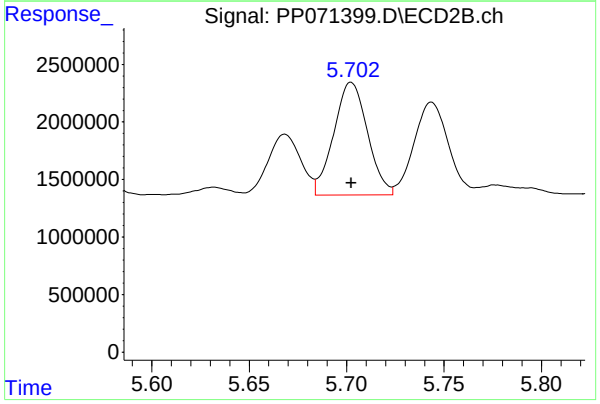
R.T.: 5.178 min
Delta R.T.: 0.000 min
Response: 9920754
Conc: 272.91 ng/ml



#20 AR-1242-5

R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 11989115
Conc: 255.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 11814664
Conc: 268.31 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:28
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: Apr 22 13:44:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:44:19 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...	4.515	3.812	8065732	6945226	4.265	4.999
2)	SA Decachlor...	10.237	8.850	5895463	3833854	4.235	4.512
	Target Compounds						
16)	L4 AR-1242-1	5.670	4.899	2356519	2317190	43.025	50.108
17)	L4 AR-1242-2	5.691	4.917	3869967	3214527	45.539	48.688
18)	L4 AR-1242-3	5.754	5.094	2387637	1635706	46.703	44.877
19)	L4 AR-1242-4	5.851	5.179	1842925	1657188	43.662	46.406
20)	L4 AR-1242-5	6.582	5.702	2190873	2070356	47.329	47.586

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

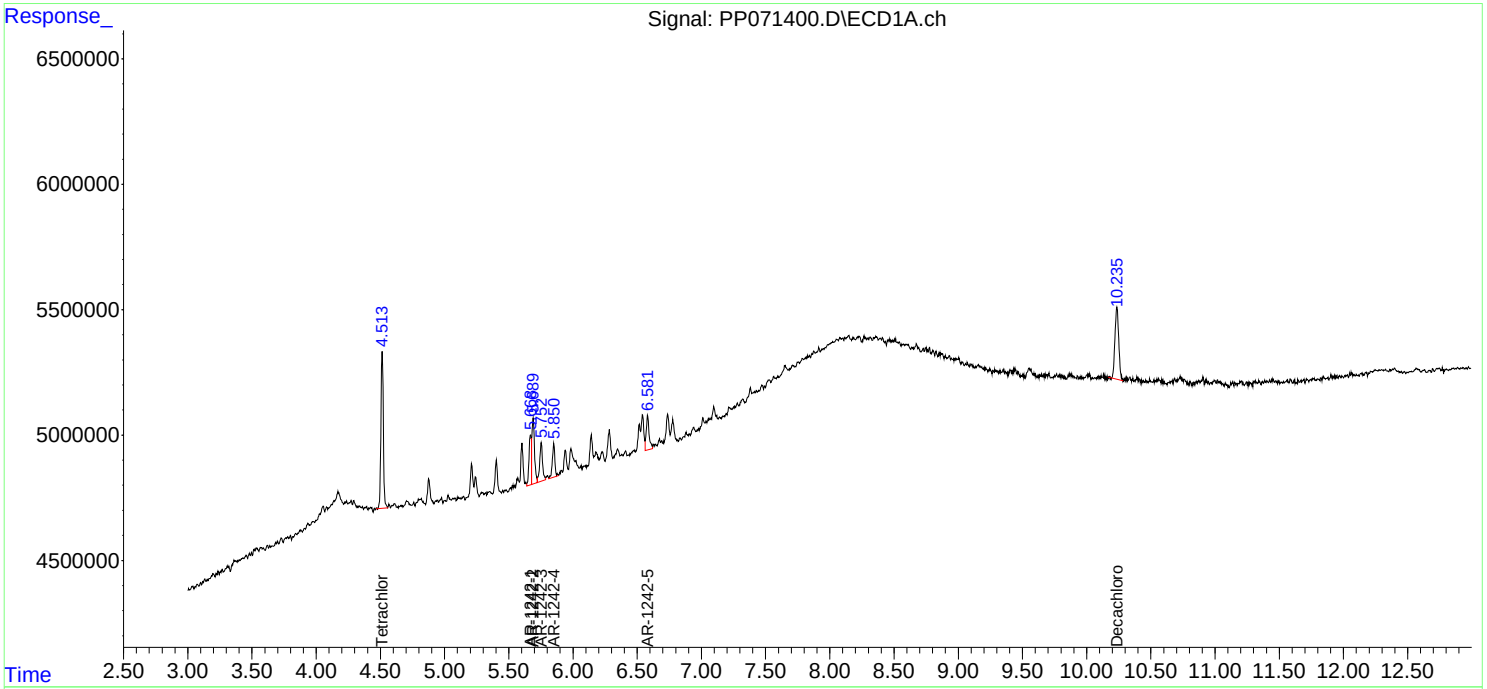
ICAL Form

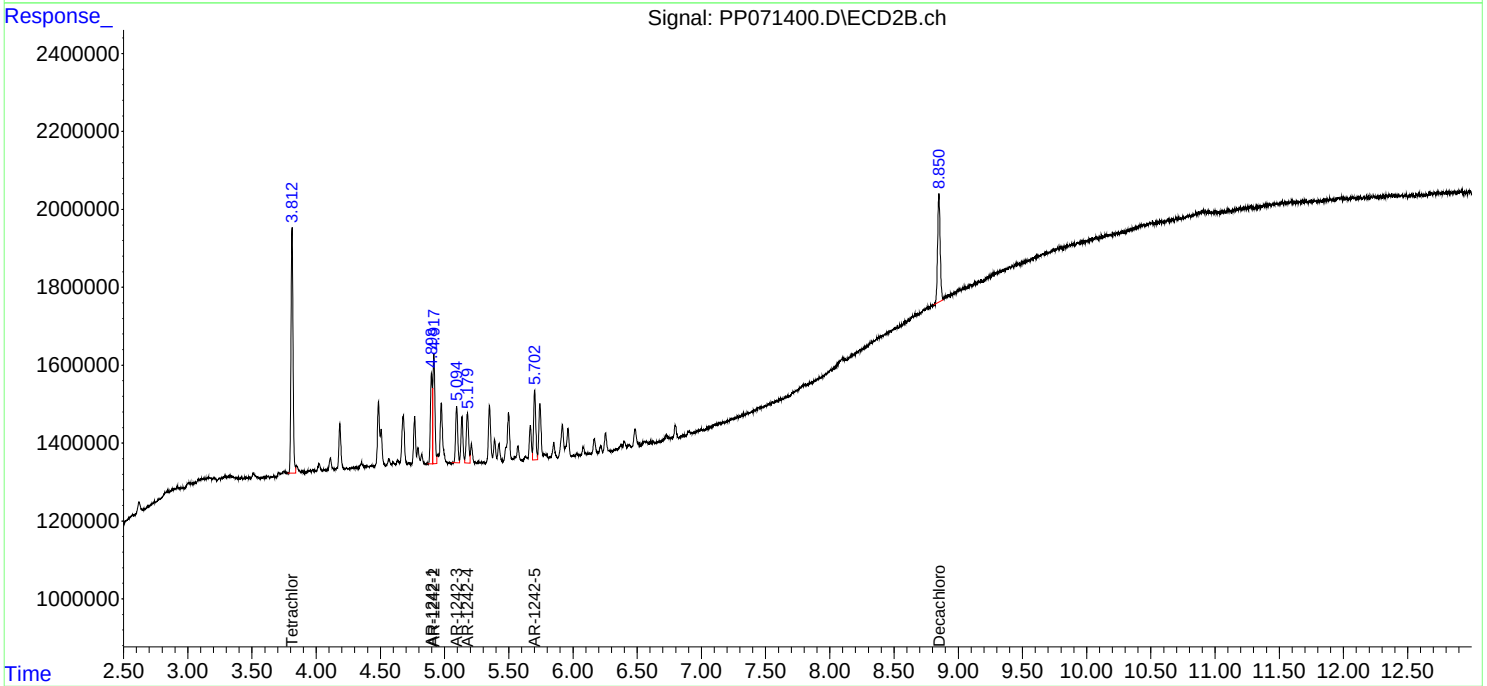
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

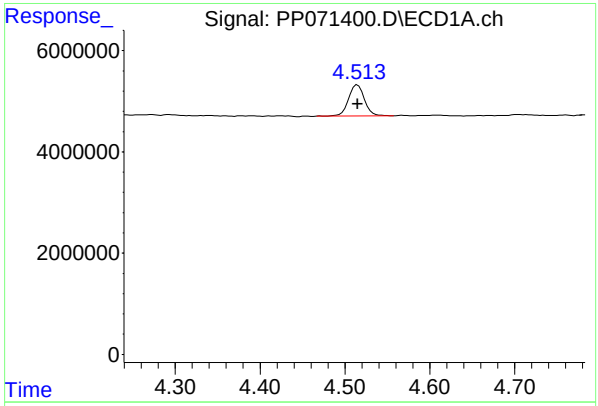
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 13:44:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 13:44:19 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



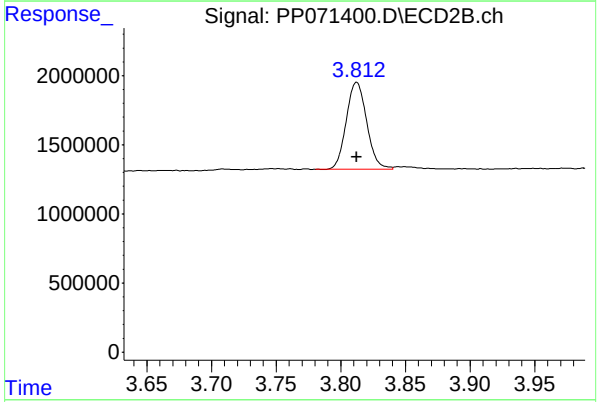




#1 Tetrachloro-m-xylene

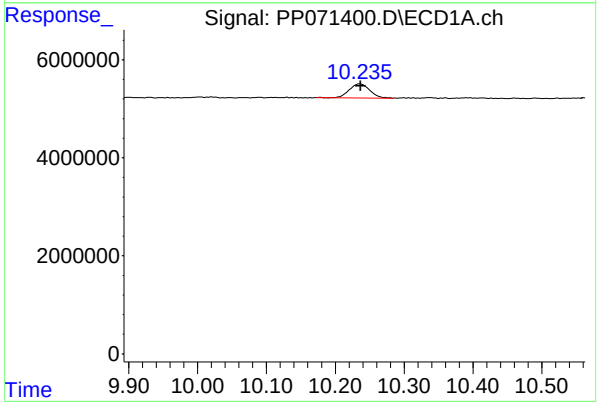
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 8065732
Conc: 4.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



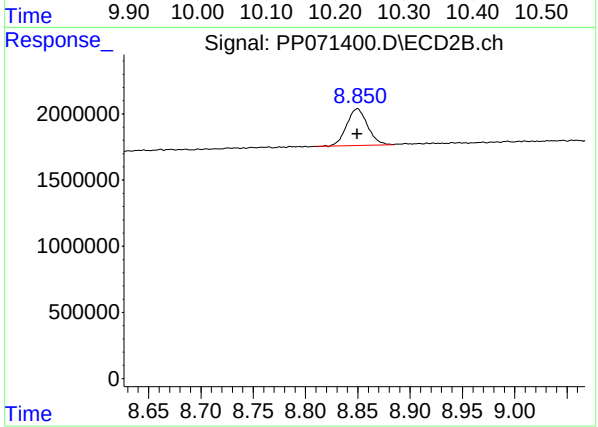
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 6945226
Conc: 5.00 ng/ml



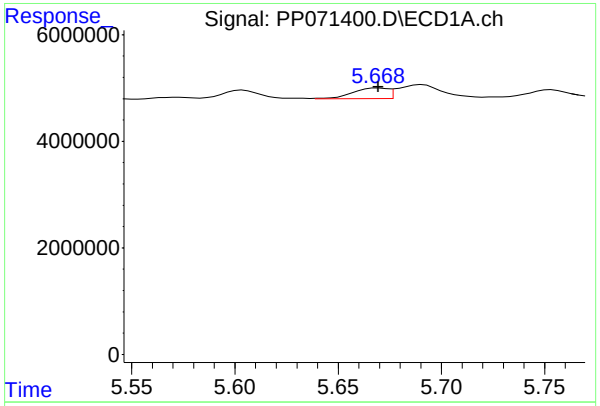
#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: 0.000 min
Response: 5895463
Conc: 4.23 ng/ml



#2 Decachlorobiphenyl

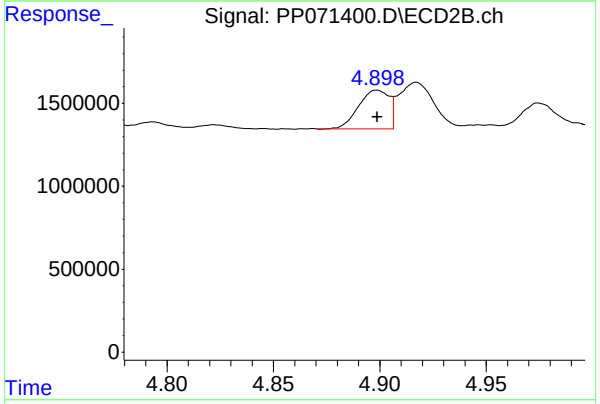
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 3833854
Conc: 4.51 ng/ml



#16 AR-1242-1

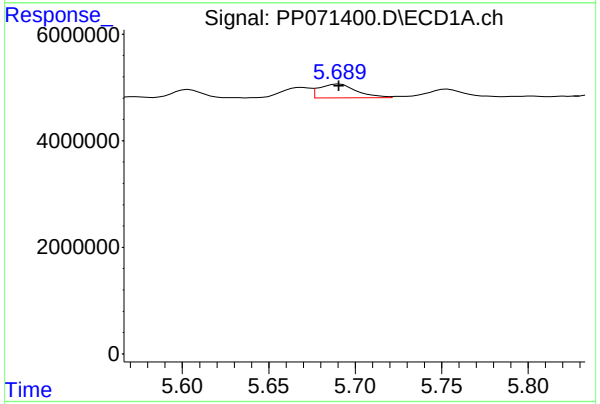
R.T.: 5.670 min
Delta R.T.: 0.000 min
Response: 2356519
Conc: 43.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



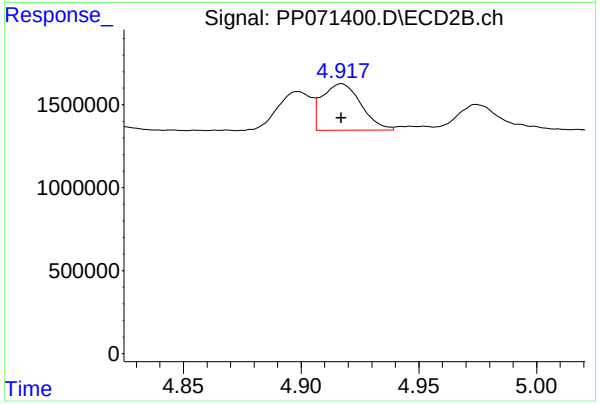
#16 AR-1242-1

R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 2317190
Conc: 50.11 ng/ml



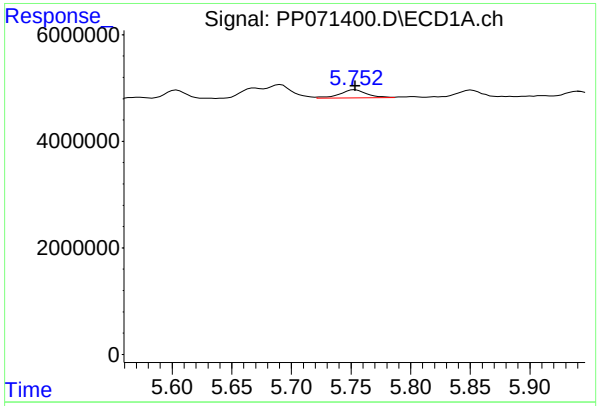
#17 AR-1242-2

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 3869967
Conc: 45.54 ng/ml



#17 AR-1242-2

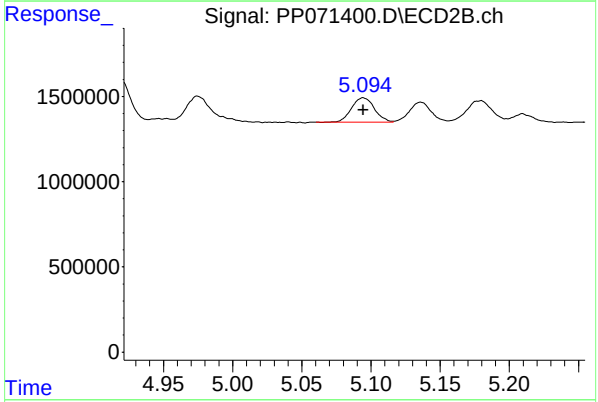
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 3214527
Conc: 48.69 ng/ml



#18 AR-1242-3

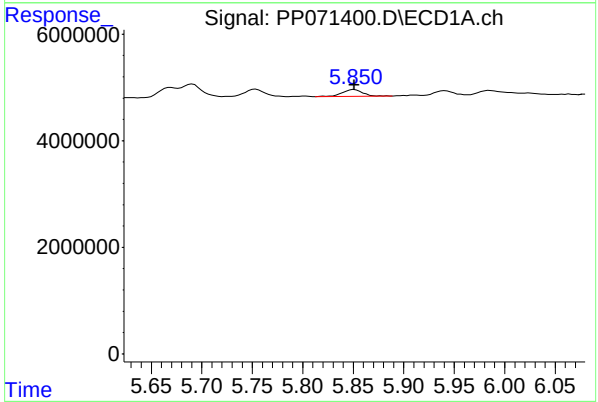
R.T.: 5.754 min
Delta R.T.: 0.000 min
Response: 2387637
Conc: 46.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



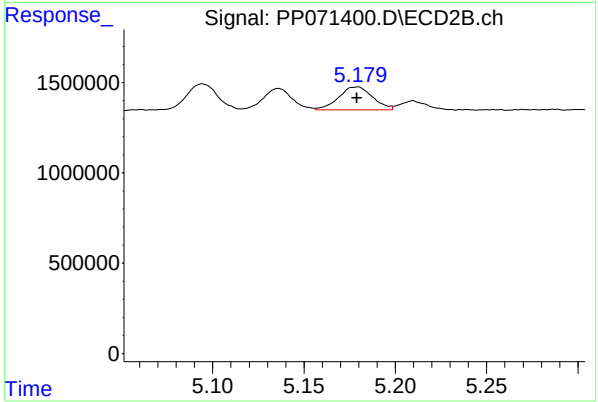
#18 AR-1242-3

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 1635706
Conc: 44.88 ng/ml



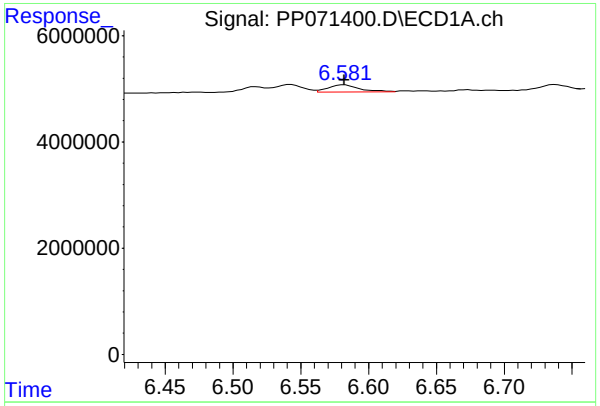
#19 AR-1242-4

R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 1842925
Conc: 43.66 ng/ml



#19 AR-1242-4

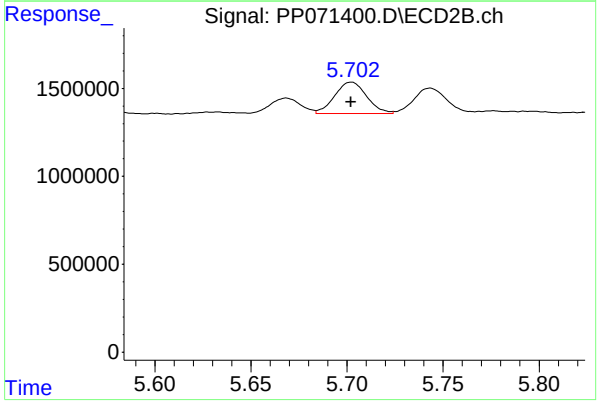
R.T.: 5.179 min
Delta R.T.: 0.000 min
Response: 1657188
Conc: 46.41 ng/ml



#20 AR-1242-5

R.T.: 6.582 min
Delta R.T.: 0.000 min
Response: 2190873
Conc: 47.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 2070356
Conc: 47.59 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:45
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: Apr 22 14:30:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 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...	4.515	3.813	187.9E6	132.5E6	97.145	92.221
2)	SA Decachlor...	10.237	8.850	137.9E6	82637510	96.283	95.713
	Target Compounds						
21)	L5 AR-1248-1	5.669	4.898	42447397	30996932	976.497	917.952
22)	L5 AR-1248-2	5.941	5.136	57932834	43624561	965.902	945.881
23)	L5 AR-1248-3	6.144	5.178	65030901	45791659	967.700	948.403
24)	L5 AR-1248-4	6.543	5.350	80777360	53871444	963.427	957.270
25)	L5 AR-1248-5	6.582	5.743	76029464	52150607	969.727	950.272

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

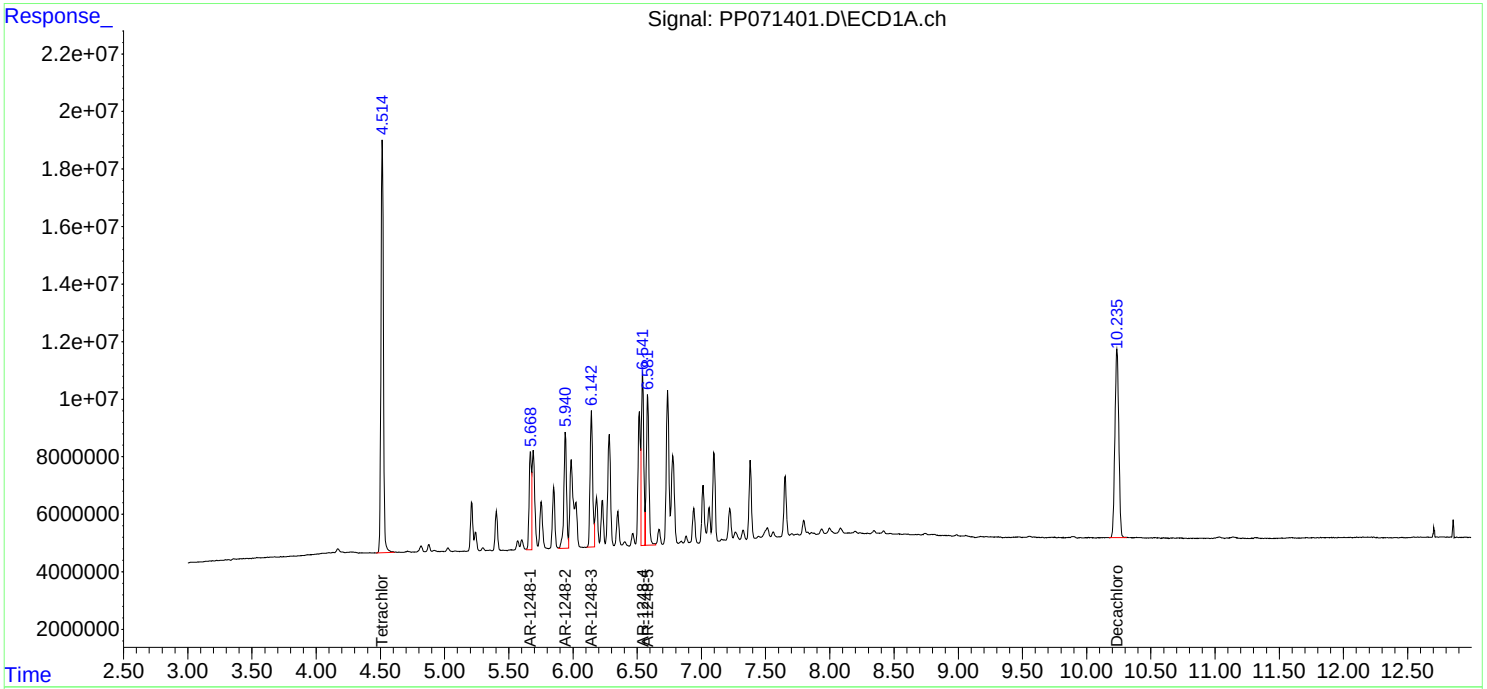
ICAL Form

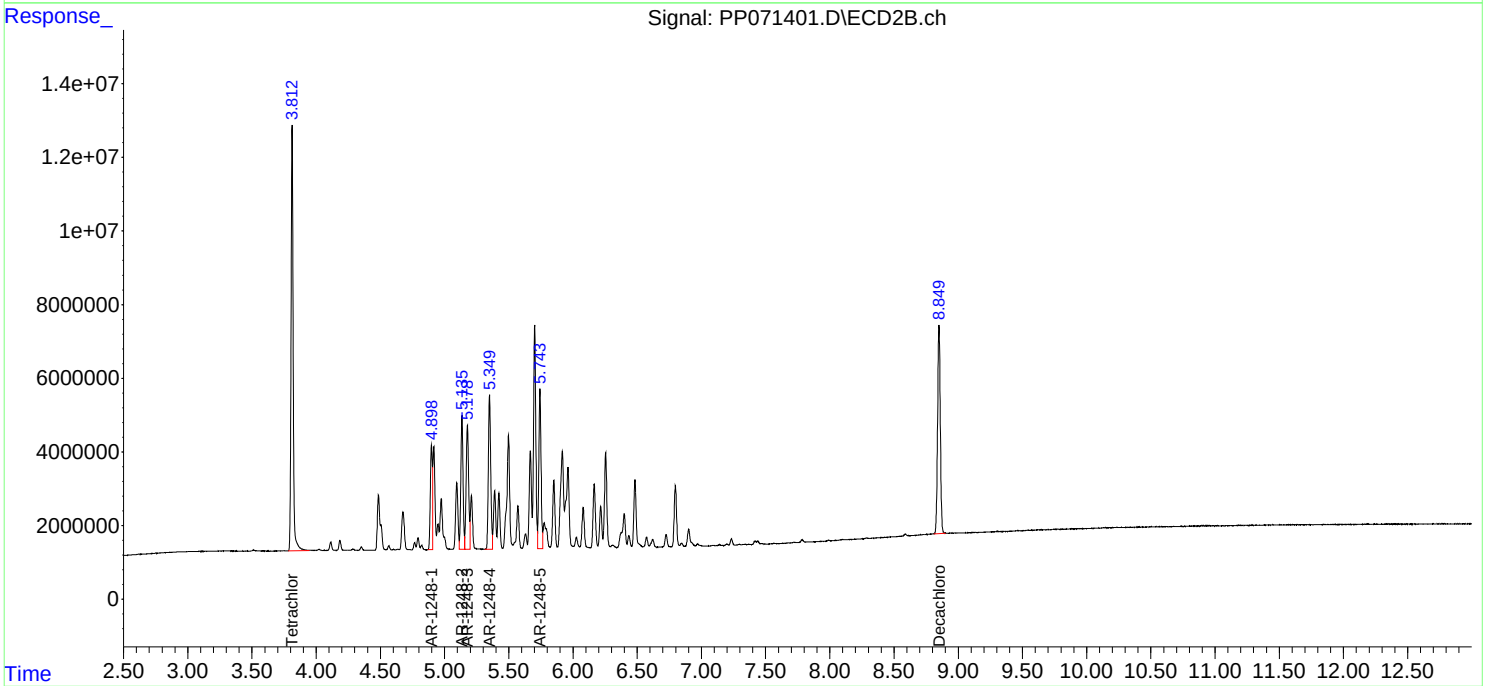
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 13:45
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

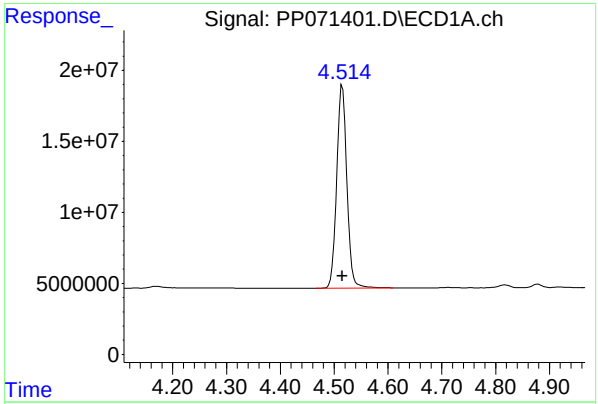
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:30:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 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



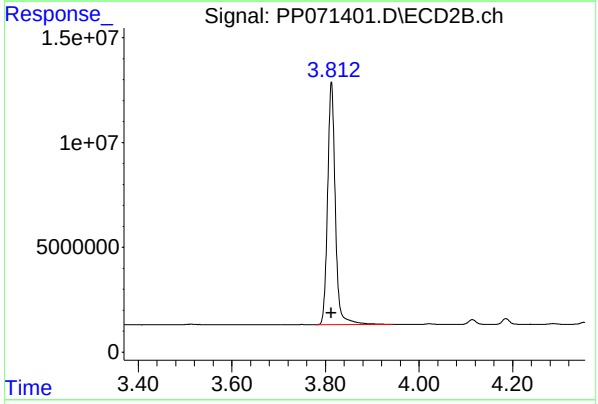




#1 Tetrachloro-m-xylene

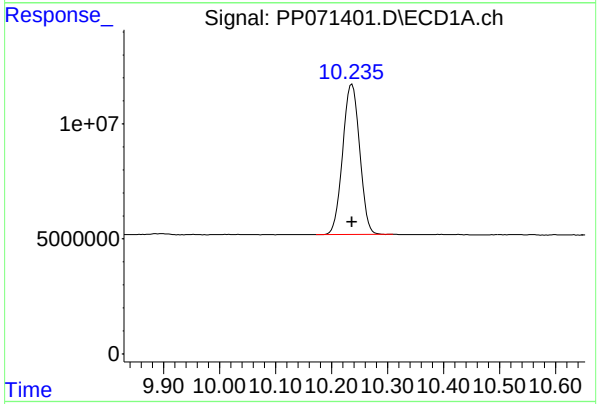
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 187919144
Conc: 97.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



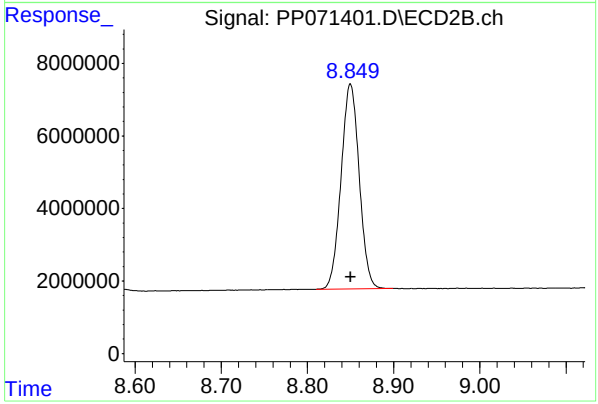
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 132471223
Conc: 92.22 ng/ml



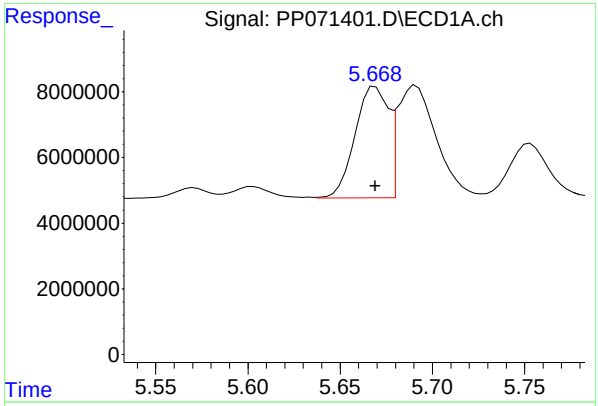
#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: 0.000 min
Response: 137913077
Conc: 96.28 ng/ml



#2 Decachlorobiphenyl

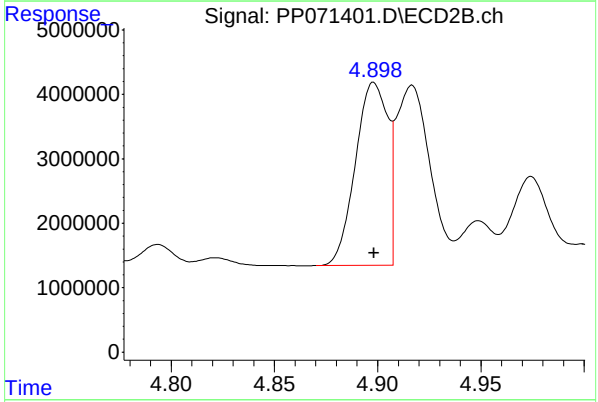
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 82637510
Conc: 95.71 ng/ml



#21 AR-1248-1

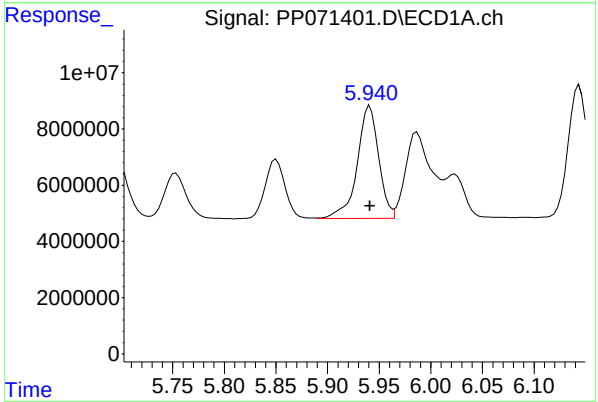
R.T.: 5.669 min
Delta R.T.: 0.000 min
Response: 42447397
Conc: 976.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



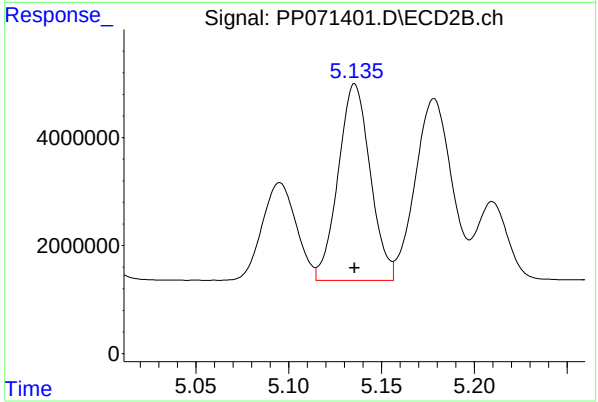
#21 AR-1248-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 30996932
Conc: 917.95 ng/ml



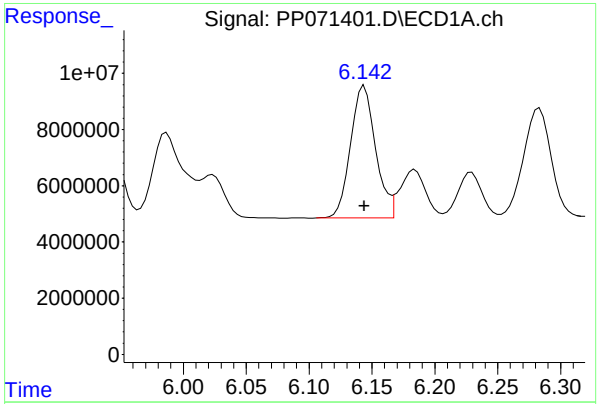
#22 AR-1248-2

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 57932834
Conc: 965.90 ng/ml



#22 AR-1248-2

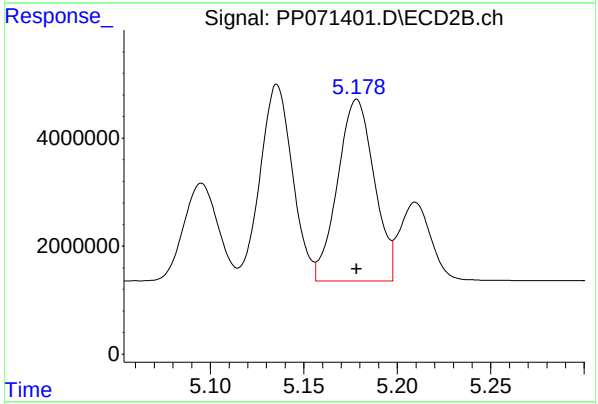
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 43624561
Conc: 945.88 ng/ml



#23 AR-1248-3

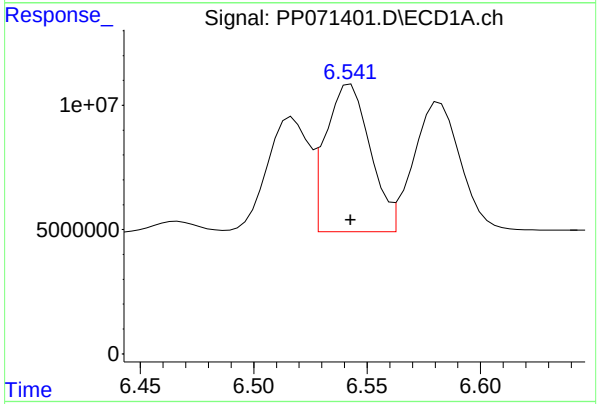
R.T.: 6.144 min
Delta R.T.: 0.000 min
Response: 65030901
Conc: 967.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



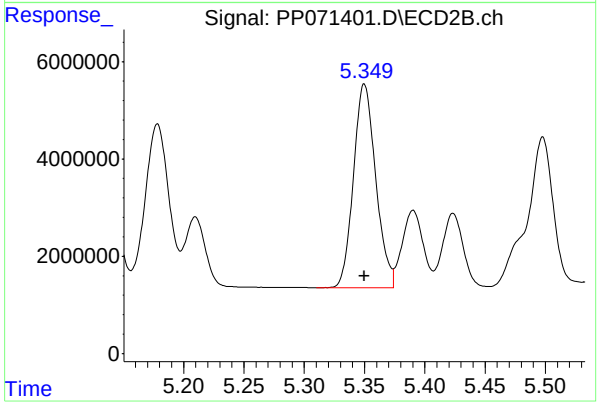
#23 AR-1248-3

R.T.: 5.178 min
Delta R.T.: 0.000 min
Response: 45791659
Conc: 948.40 ng/ml



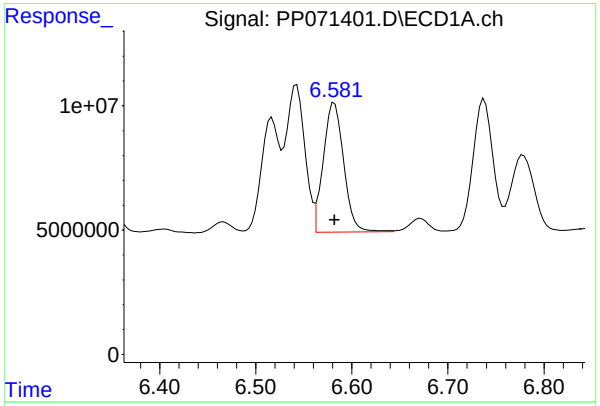
#24 AR-1248-4

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 80777360
Conc: 963.43 ng/ml



#24 AR-1248-4

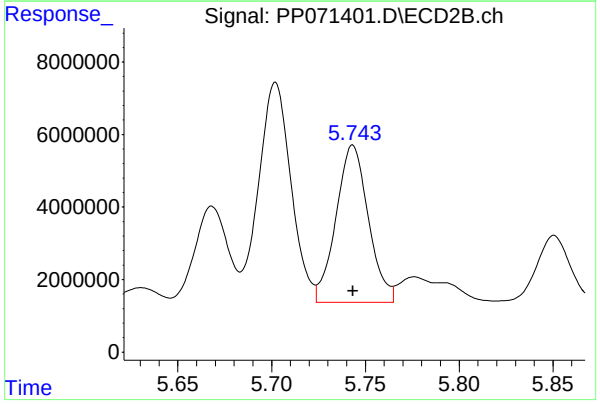
R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 53871444
Conc: 957.27 ng/ml



#25 AR-1248-5

R.T.: 6.582 min
Delta R.T.: 0.000 mi
Response: 76029464
Conc: 969.73 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 52150607
Conc: 950.27 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:01
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: Apr 22 14:33:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 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...	4.516	3.813	144.4E6	113.6E6	74.770	77.657
2)	SA Decachlor...	10.238	8.850	108.0E6	64556701	75.275	74.847
	Target Compounds						
21)	L5 AR-1248-1	5.670	4.898	32527847	26959361	748.865	781.576
22)	L5 AR-1248-2	5.941	5.135	45161422	35482042	751.976	762.779
23)	L5 AR-1248-3	6.144	5.177	51040114	37424945	756.312	766.560
24)	L5 AR-1248-4	6.543	5.350	63330814	43921936	753.553	770.043
25)	L5 AR-1248-5	6.583	5.743	58877047	42217581	750.636	762.741

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

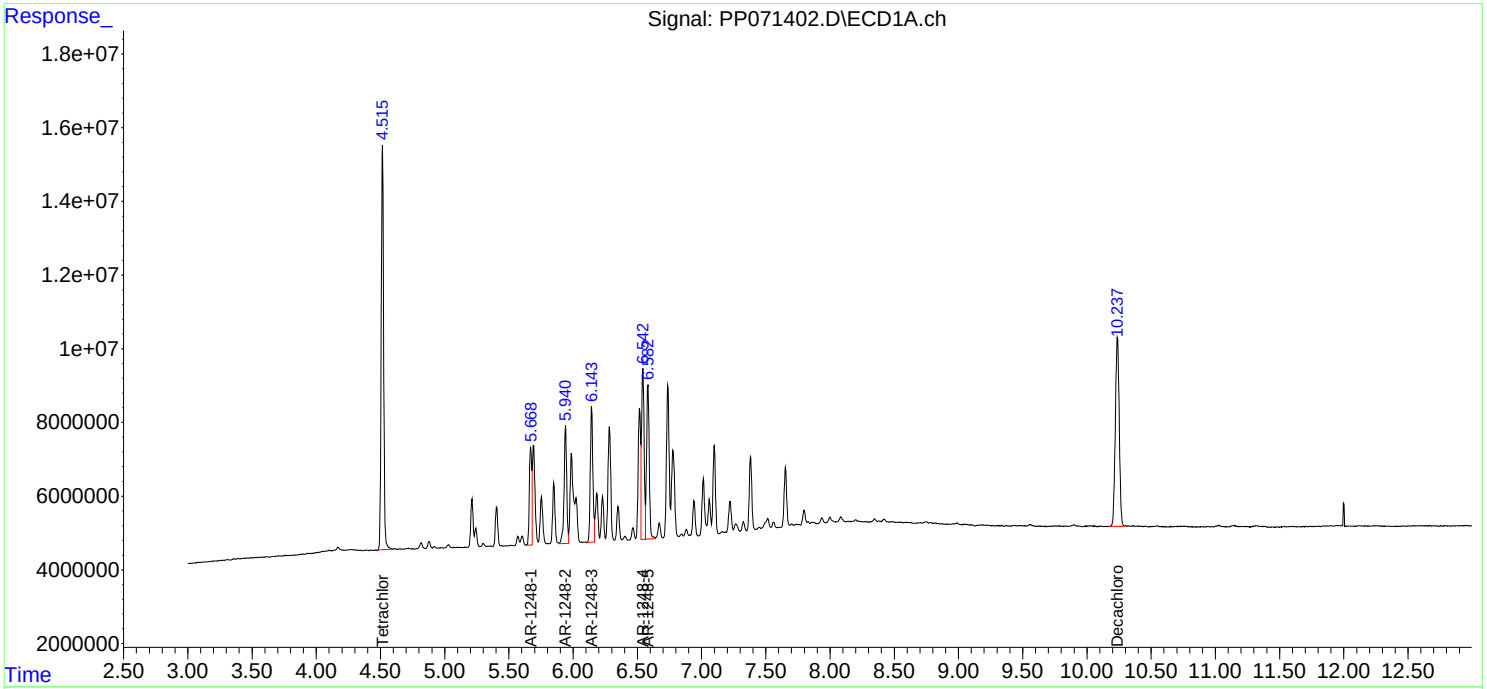
ICAL Form

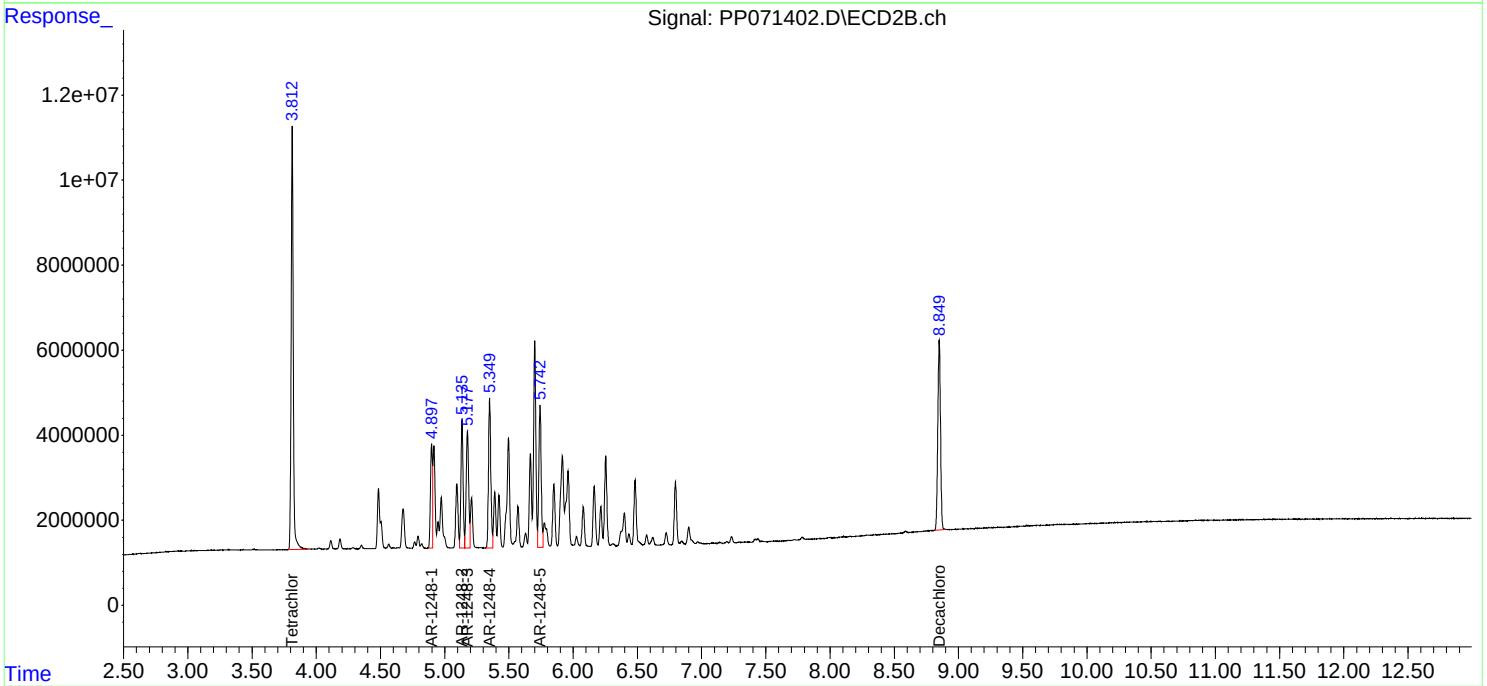
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:01
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

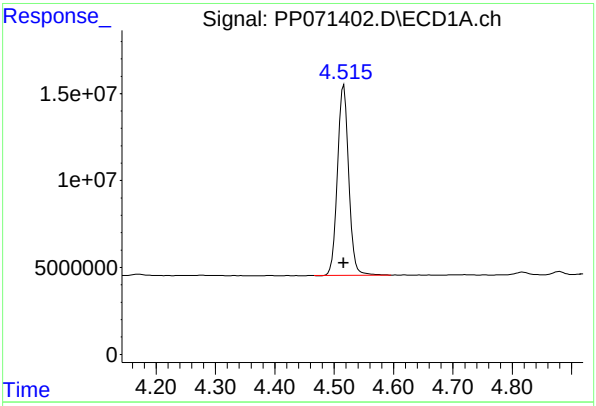
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:33:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 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



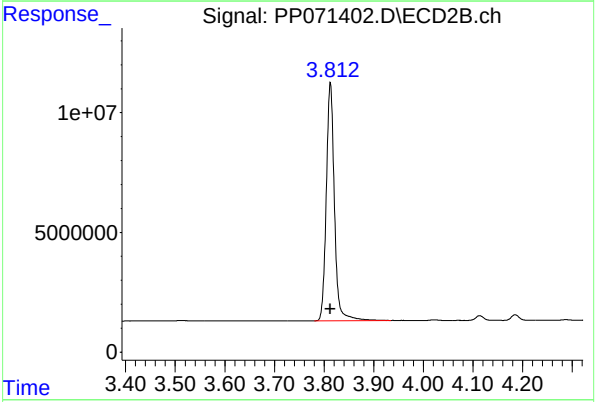




#1 Tetrachloro-m-xylene

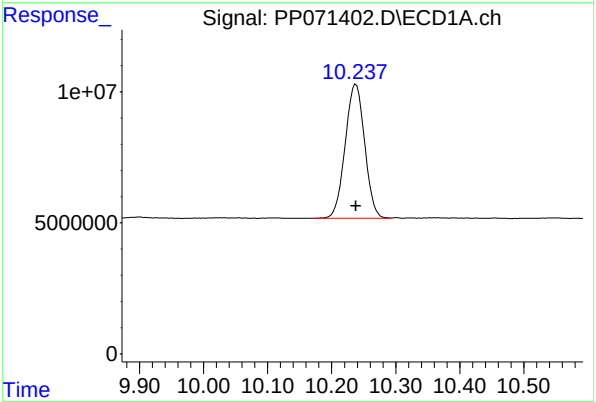
R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 144413867
Conc: 74.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



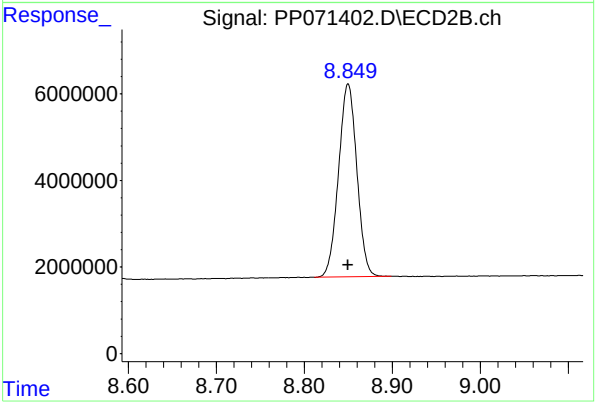
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 113561766
Conc: 77.66 ng/ml



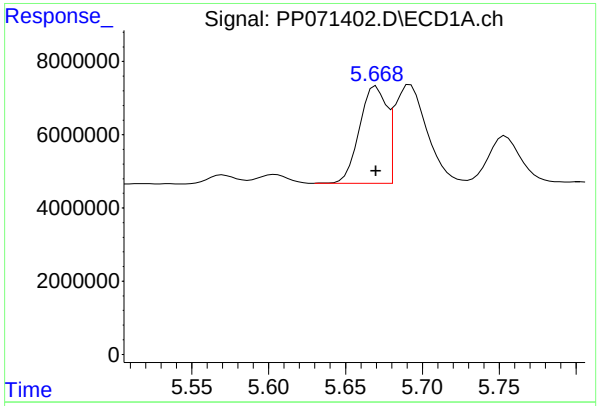
#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: 0.000 min
Response: 108020118
Conc: 75.28 ng/ml



#2 Decachlorobiphenyl

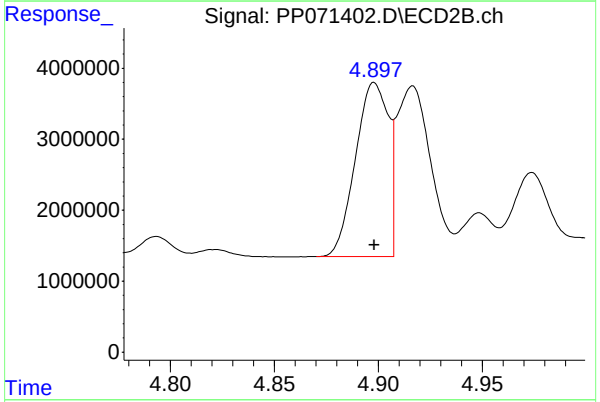
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 64556701
Conc: 74.85 ng/ml



#21 AR-1248-1

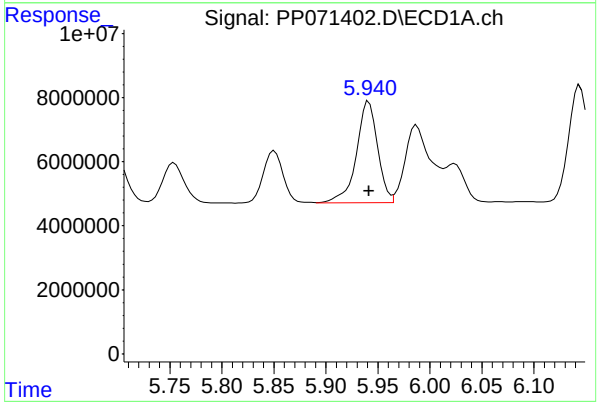
R.T.: 5.670 min
Delta R.T.: 0.000 min
Response: 32527847
Conc: 748.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



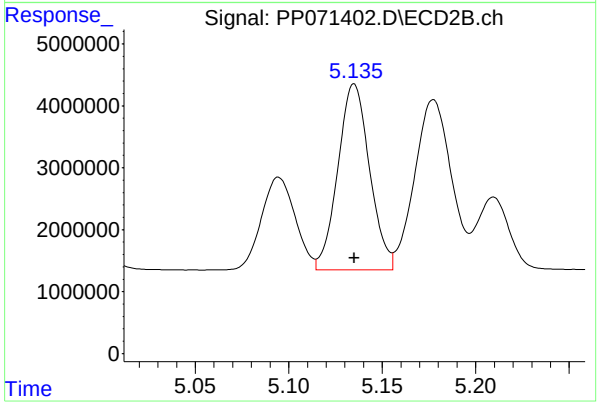
#21 AR-1248-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 26959361
Conc: 781.58 ng/ml



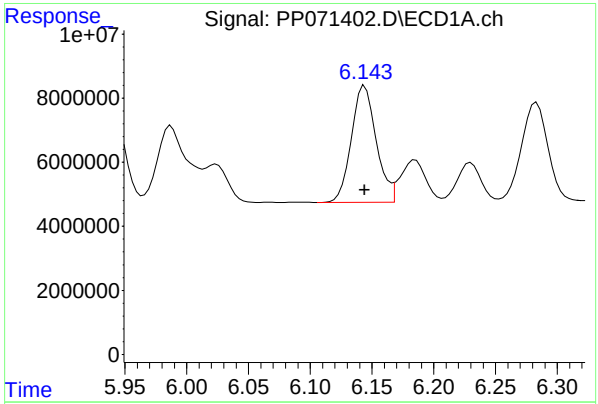
#22 AR-1248-2

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 45161422
Conc: 751.98 ng/ml



#22 AR-1248-2

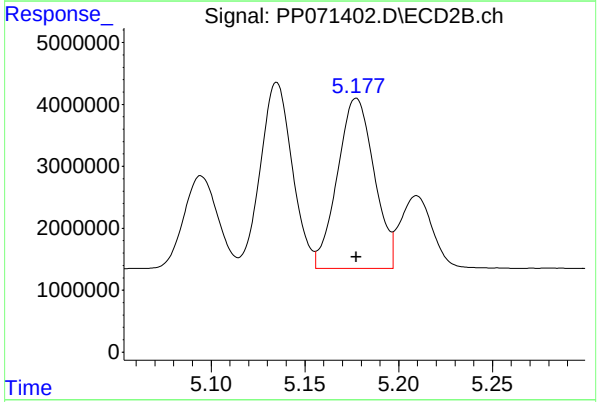
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 35482042
Conc: 762.78 ng/ml



#23 AR-1248-3

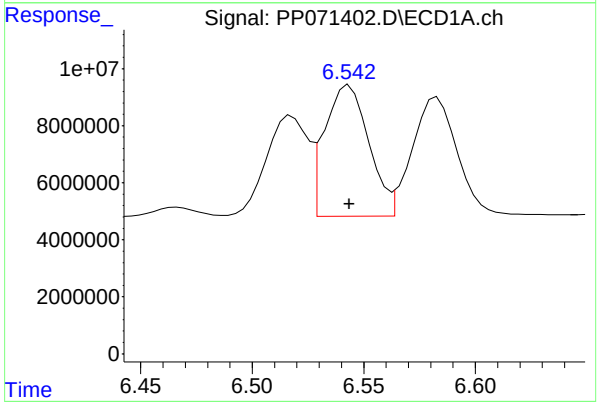
R.T.: 6.144 min
Delta R.T.: 0.000 min
Response: 51040114
Conc: 756.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



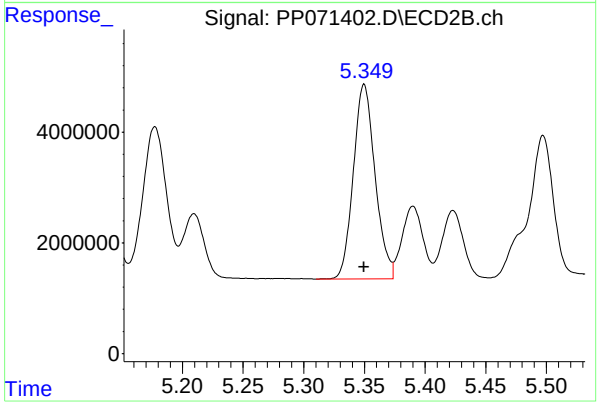
#23 AR-1248-3

R.T.: 5.177 min
Delta R.T.: 0.000 min
Response: 37424945
Conc: 766.56 ng/ml



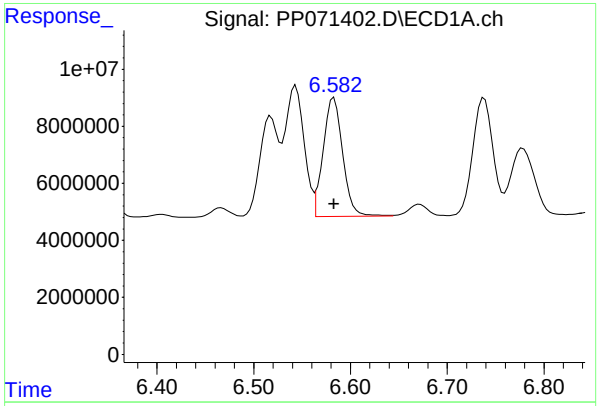
#24 AR-1248-4

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 63330814
Conc: 753.55 ng/ml



#24 AR-1248-4

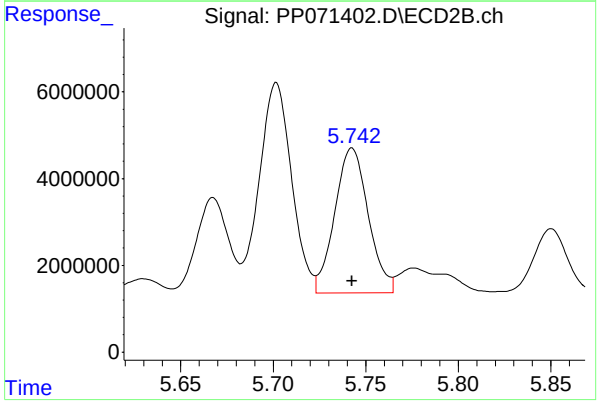
R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 43921936
Conc: 770.04 ng/ml



#25 AR-1248-5

R.T.: 6.583 min
Delta R.T.: 0.000 min
Response: 58877047
Conc: 750.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 42217581
Conc: 762.74 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:17
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: Apr 22 14:28:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 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...	4.514	3.813	99482021	77410182	50.000	50.000
2)	SA Decachlor...	10.237	8.850	74280984	45020002	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.668	4.898	22245336	18269007	500.000	500.000
22)	L5 AR-1248-2	5.940	5.136	31011521	24308259	500.000	500.000
23)	L5 AR-1248-3	6.142	5.178	34686045	25387087	500.000	500.000
24)	L5 AR-1248-4	6.542	5.350	43455122	29340392	500.000	500.000
25)	L5 AR-1248-5	6.581	5.743	40388237	28804357	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

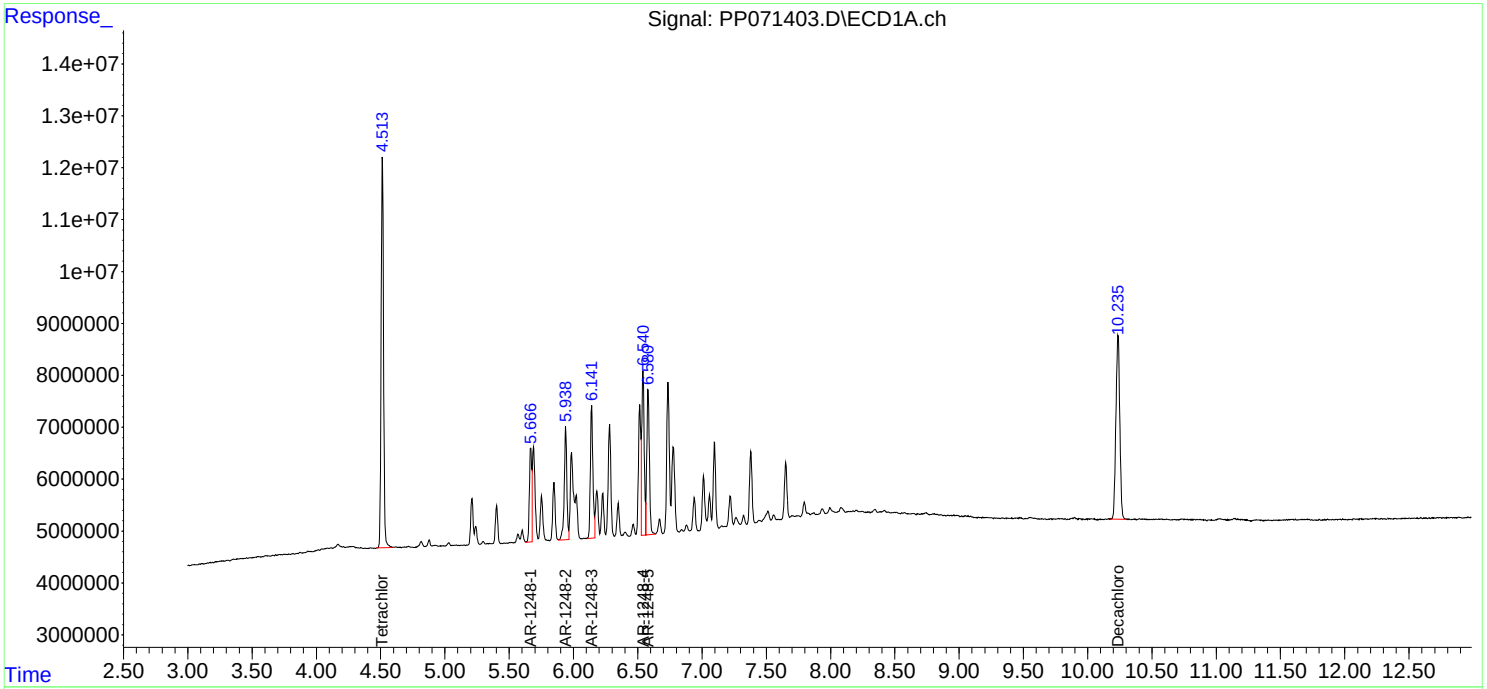
ICAL Form

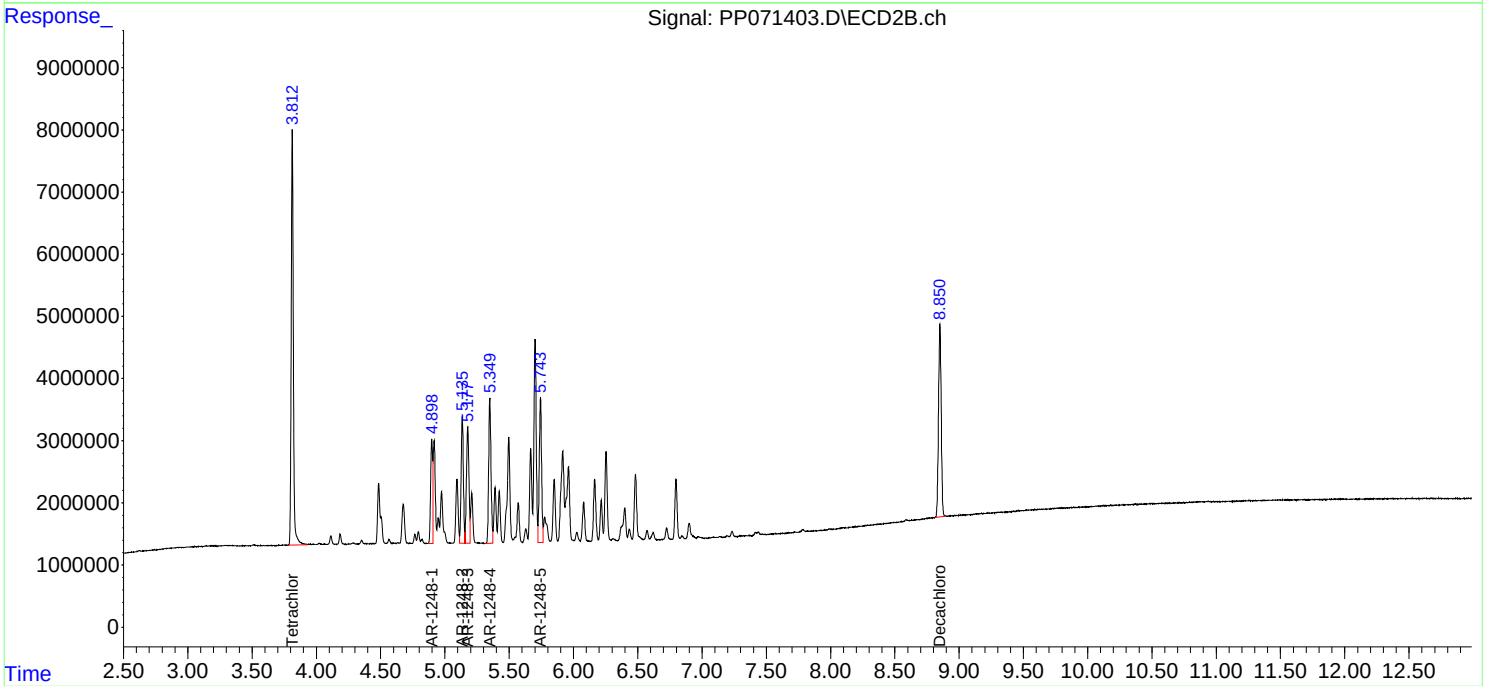
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:17
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

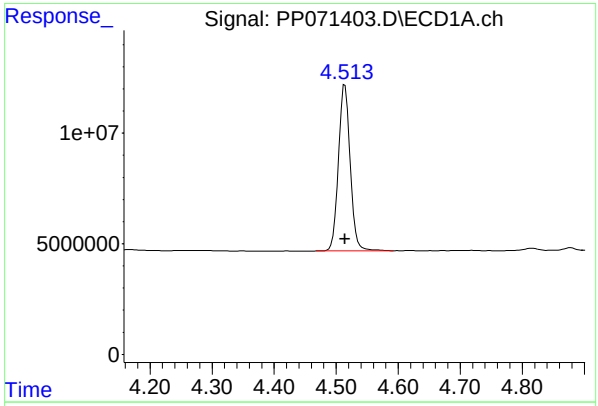
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:28:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:27:59 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



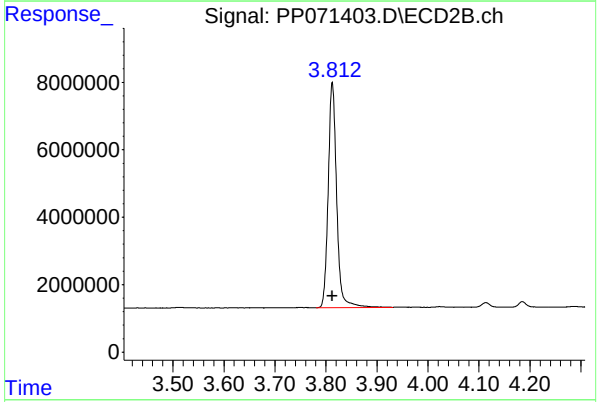




#1 Tetrachloro-m-xylene

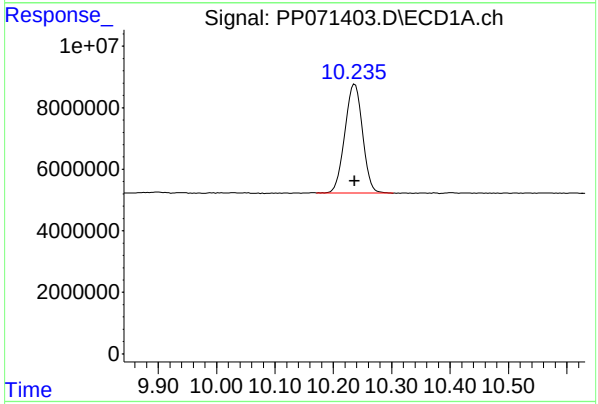
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 99482021
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



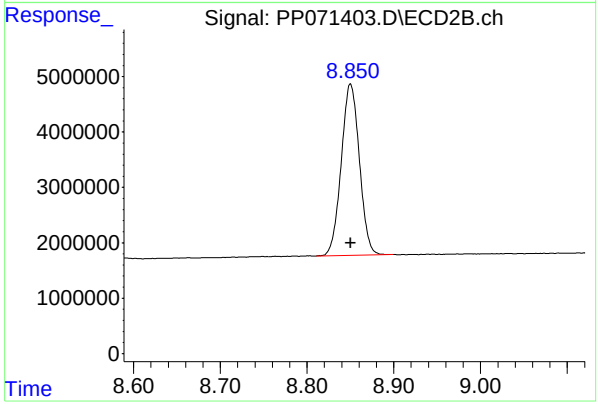
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 77410182
Conc: 50.00 ng/ml



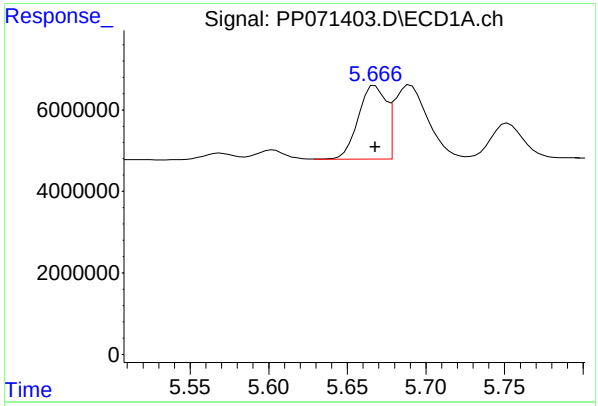
#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: 0.000 min
Response: 74280984
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

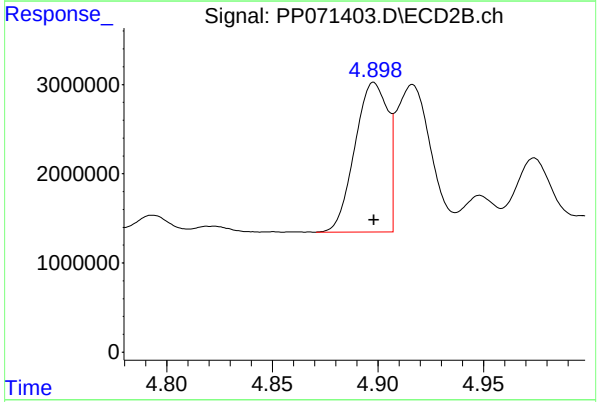
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 45020002
Conc: 50.00 ng/ml



#21 AR-1248-1

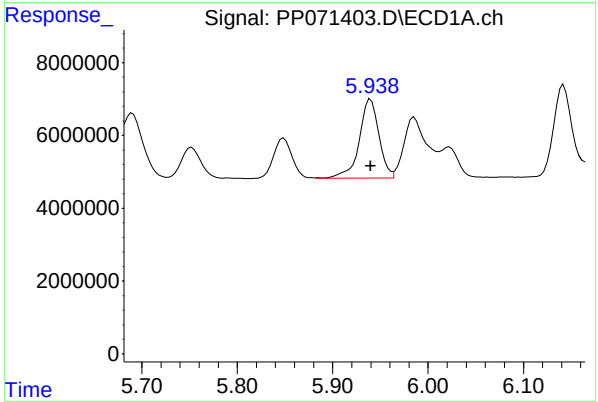
R.T.: 5.668 min
Delta R.T.: 0.000 min
Response: 22245336
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



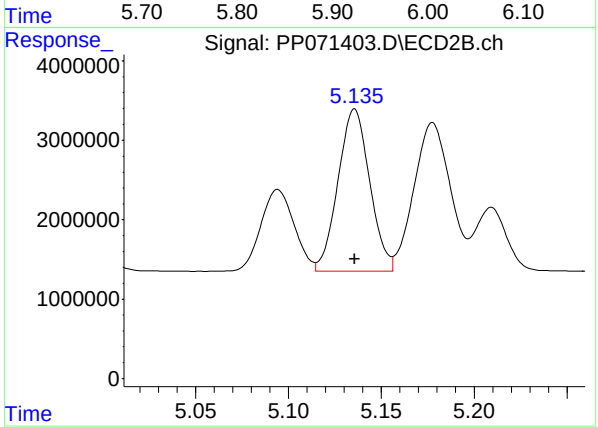
#21 AR-1248-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 18269007
Conc: 500.00 ng/ml



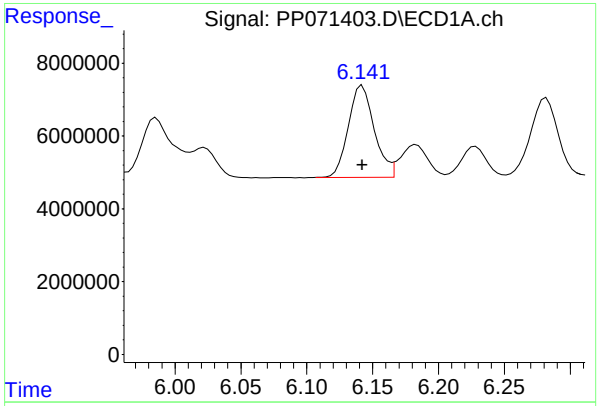
#22 AR-1248-2

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 31011521
Conc: 500.00 ng/ml



#22 AR-1248-2

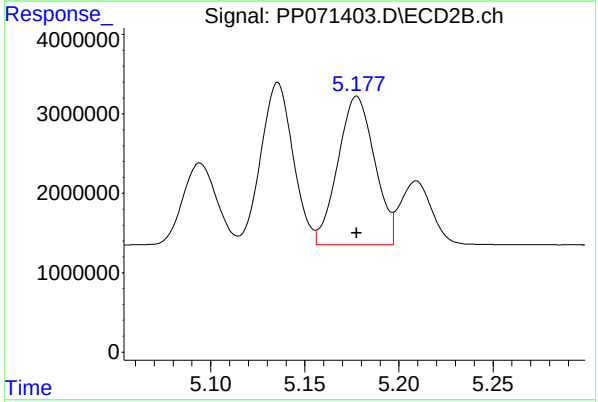
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 24308259
Conc: 500.00 ng/ml



#23 AR-1248-3

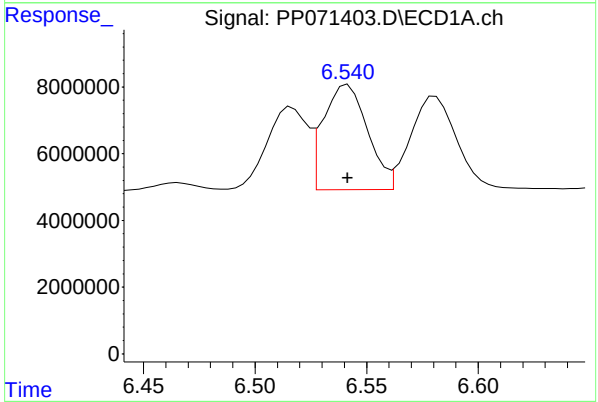
R.T.: 6.142 min
Delta R.T.: 0.000 min
Response: 34686045
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



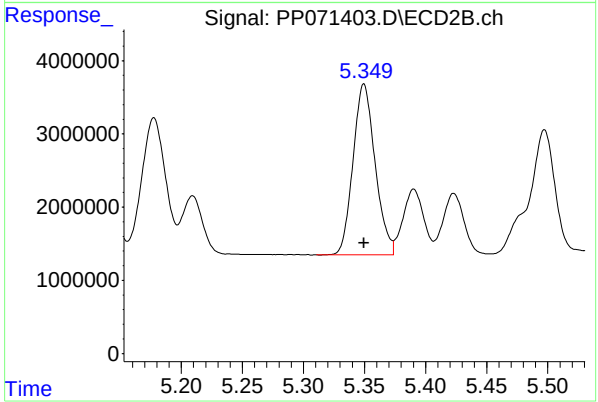
#23 AR-1248-3

R.T.: 5.178 min
Delta R.T.: 0.000 min
Response: 25387087
Conc: 500.00 ng/ml



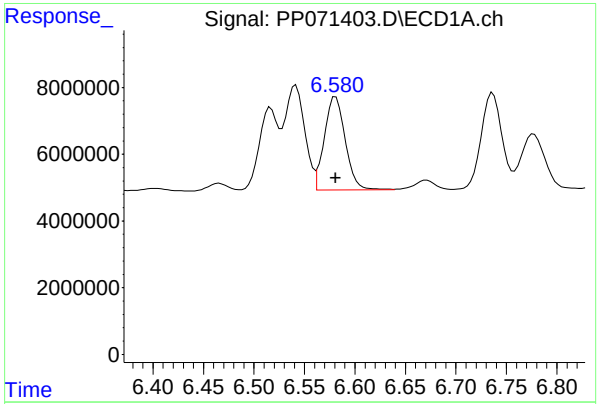
#24 AR-1248-4

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 43455122
Conc: 500.00 ng/ml



#24 AR-1248-4

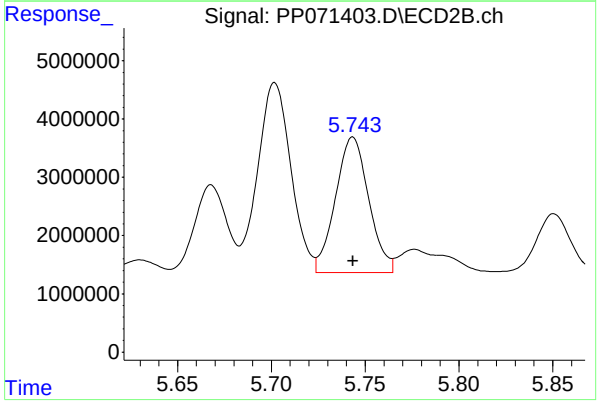
R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 29340392
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.581 min
Delta R.T.: 0.000 mi
Response: 40388237
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 28804357
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:33
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: Apr 22 14:46:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:46:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.812	50940076	35871474	26.017	24.646
2)	SA Decachlor...	10.236	8.850	38029945	23509396	26.110	26.655
	Target Compounds						
21)	L5 AR-1248-1	5.668	4.898	11434087	9814021	259.799	275.024
22)	L5 AR-1248-2	5.940	5.135	15821478	13376378	259.947	277.150
23)	L5 AR-1248-3	6.143	5.178	17579514	14000544	257.788	276.598
24)	L5 AR-1248-4	6.542	5.350	22285729	16222320	261.208	274.950
25)	L5 AR-1248-5	6.581	5.743	20888056	16317809	262.033	282.168

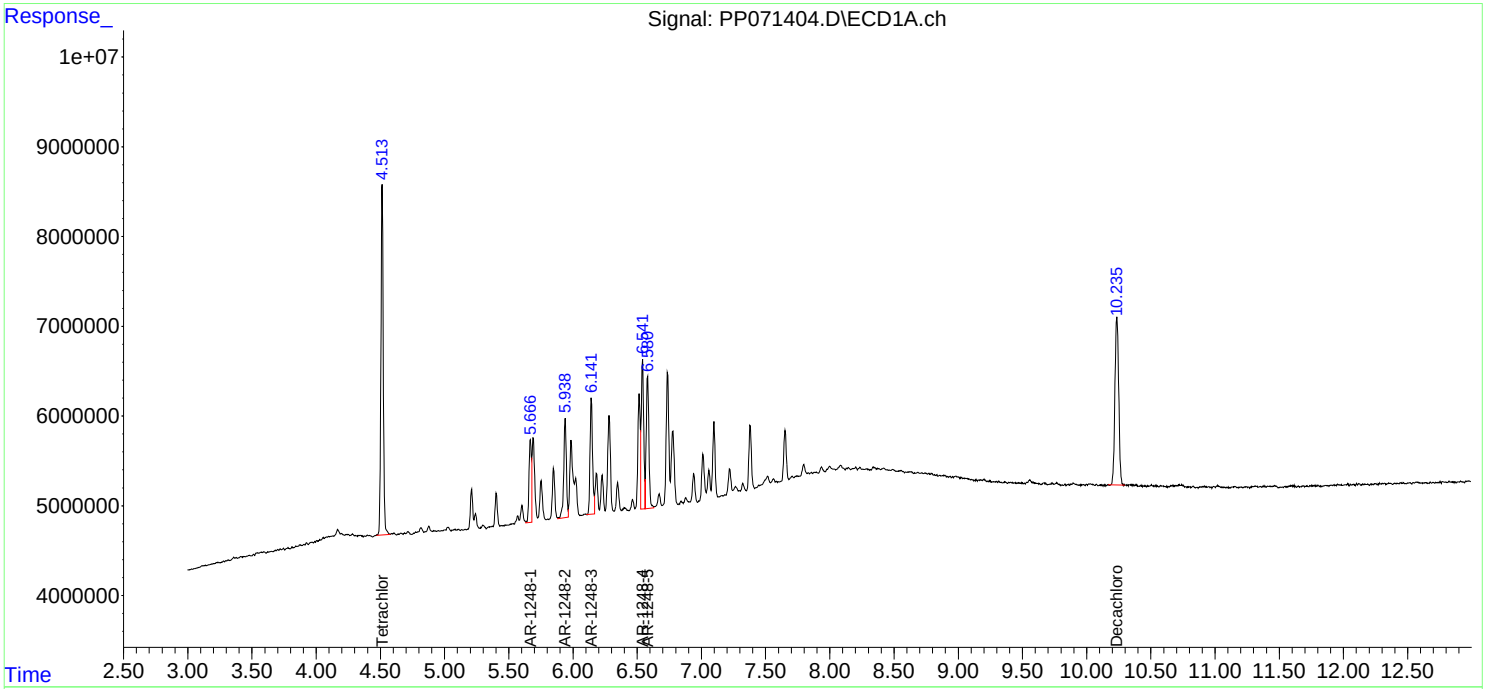
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

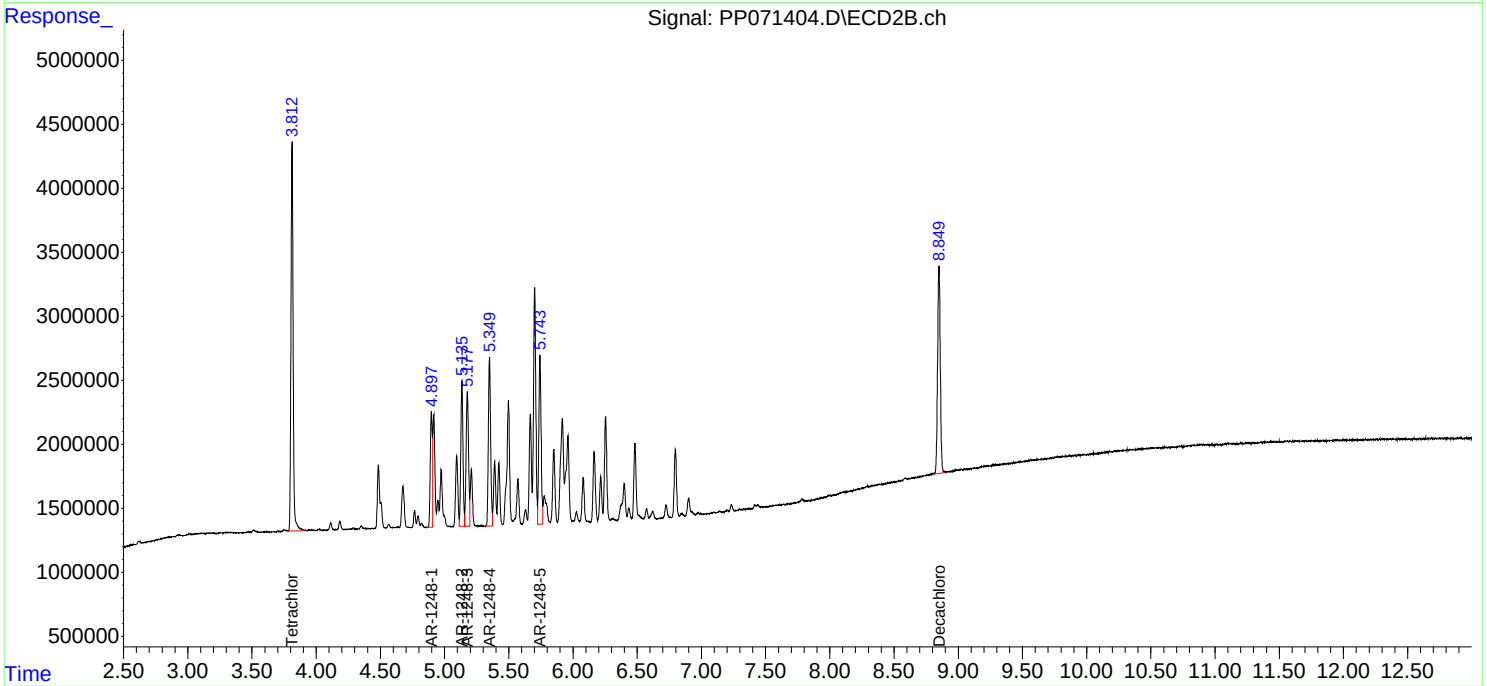
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:33
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

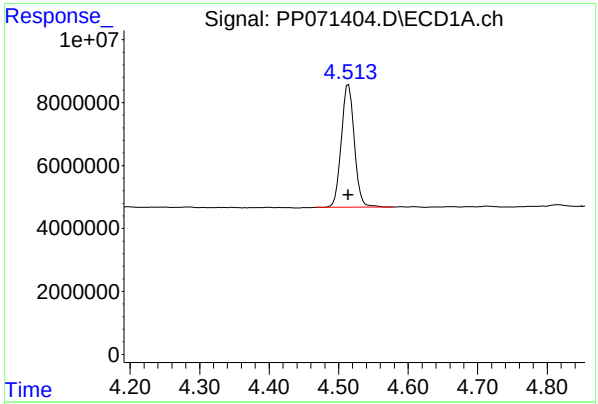
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 14:46:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 14:46:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



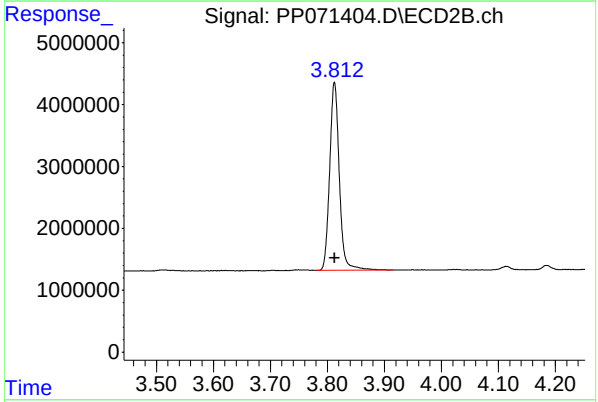




#1 Tetrachloro-m-xylene

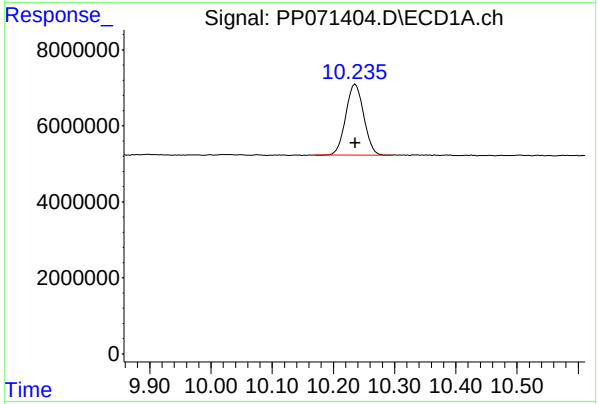
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 50940076
Conc: 26.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



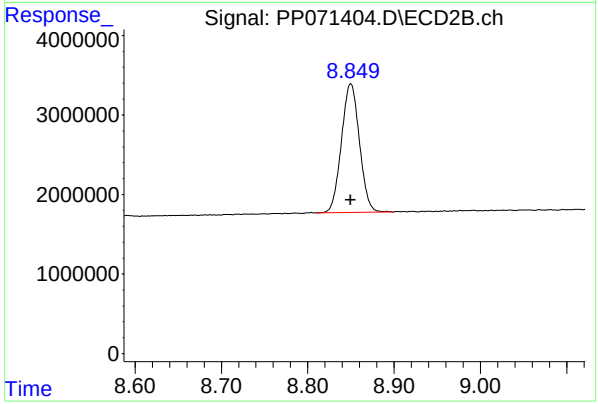
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 35871474
Conc: 24.65 ng/ml



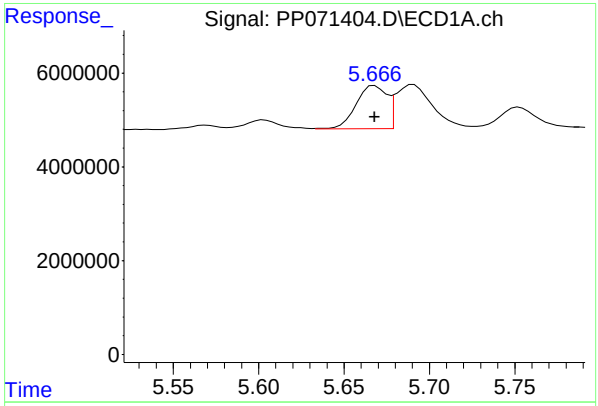
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 38029945
Conc: 26.11 ng/ml



#2 Decachlorobiphenyl

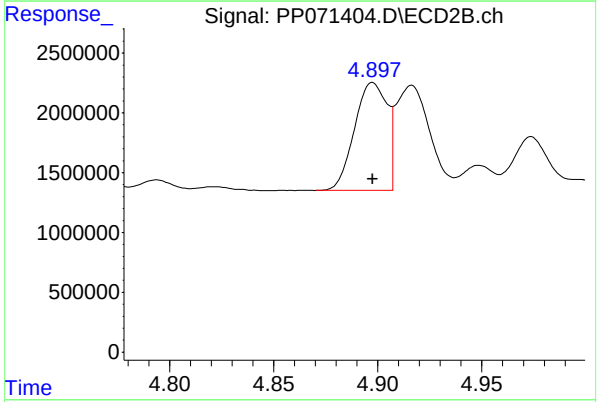
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 23509396
Conc: 26.66 ng/ml



#21 AR-1248-1

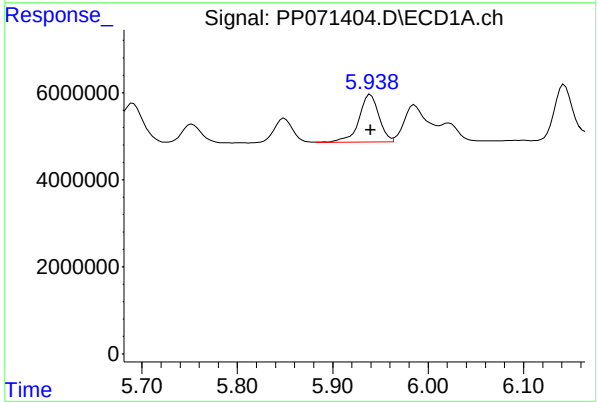
R.T.: 5.668 min
Delta R.T.: 0.000 min
Response: 11434087
Conc: 259.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



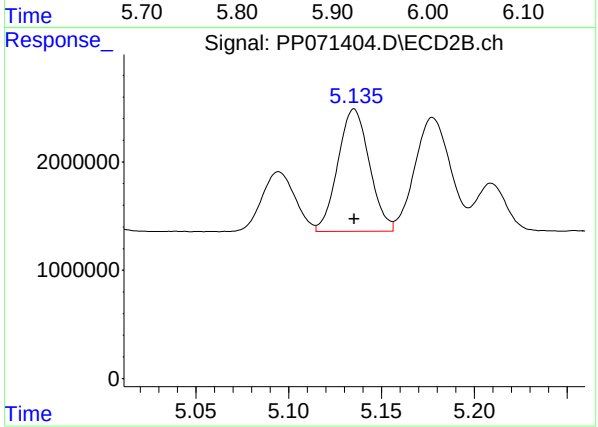
#21 AR-1248-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 9814021
Conc: 275.02 ng/ml



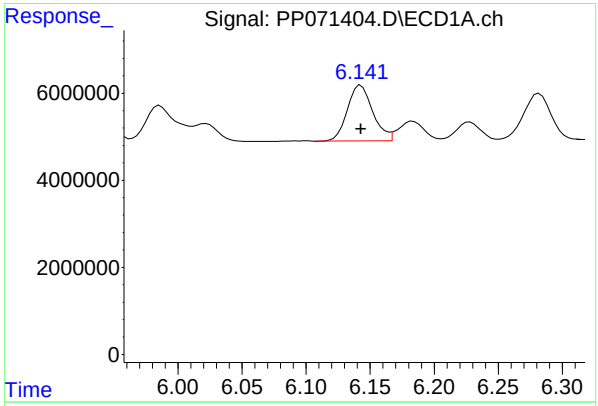
#22 AR-1248-2

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 15821478
Conc: 259.95 ng/ml



#22 AR-1248-2

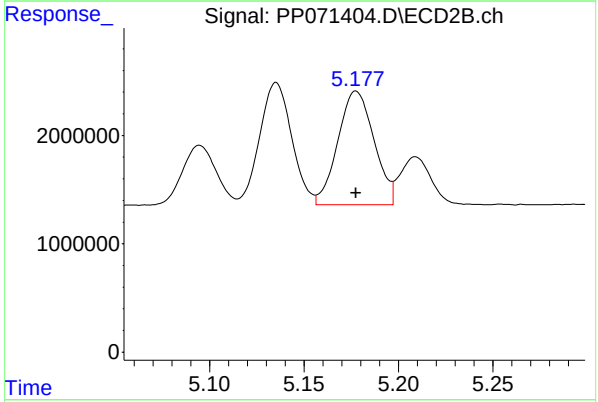
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 13376378
Conc: 277.15 ng/ml



#23 AR-1248-3

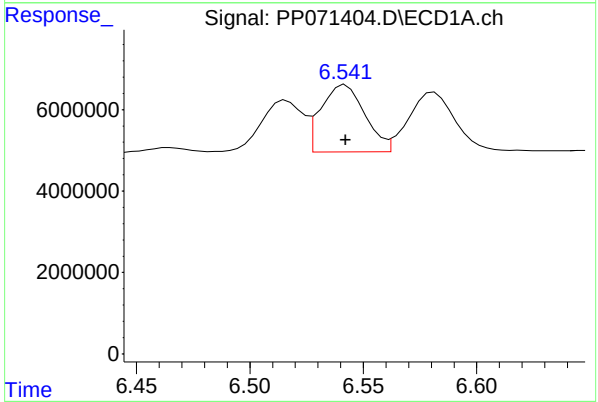
R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 17579514
Conc: 257.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



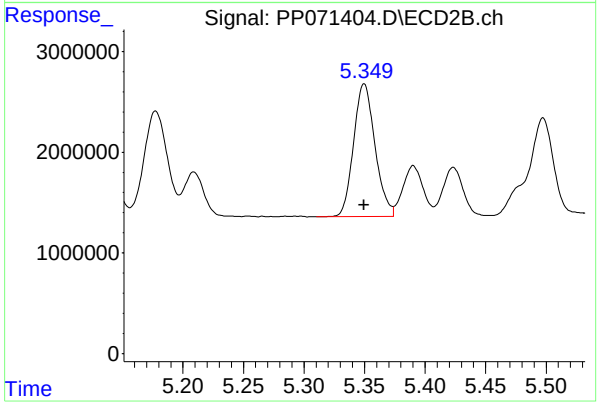
#23 AR-1248-3

R.T.: 5.178 min
Delta R.T.: 0.000 min
Response: 14000544
Conc: 276.60 ng/ml



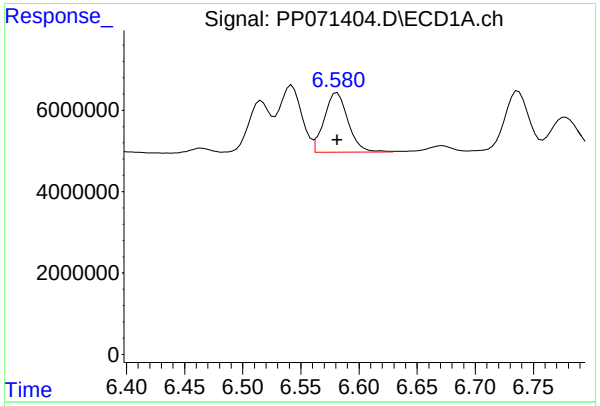
#24 AR-1248-4

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 22285729
Conc: 261.21 ng/ml



#24 AR-1248-4

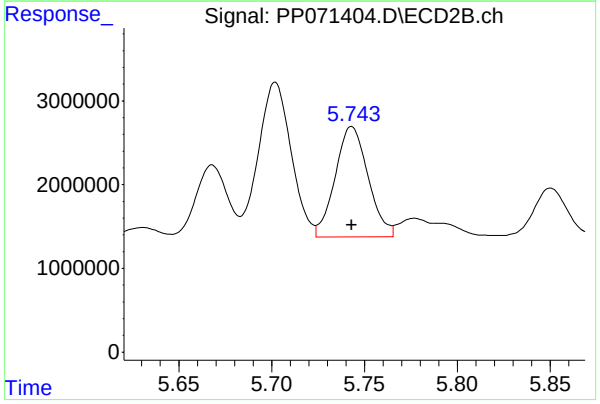
R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 16222320
Conc: 274.95 ng/ml



#25 AR-1248-5

R.T.: 6.581 min
Delta R.T.: 0.000 min
Response: 20888056
Conc: 262.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 16317809
Conc: 282.17 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:50
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: Apr 22 15:04:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:04:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.813	9059747	7084653	4.697	4.893
2)	SA Decachlor...	10.236	8.850	6791716	4608858	4.727	5.179
	Target Compounds						
21)	L5 AR-1248-1	5.667	4.899	1932478	1889804	45.005	52.340
22)	L5 AR-1248-2	5.939	5.136	2935274	2587801	48.571	52.853
23)	L5 AR-1248-3	6.142	5.178	3057380	2647979	45.780	51.834
24)	L5 AR-1248-4	6.541	5.350	4089143	3364119	48.329	55.461
25)	L5 AR-1248-5	6.581	5.744	3919031	3006686	49.328	51.581

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

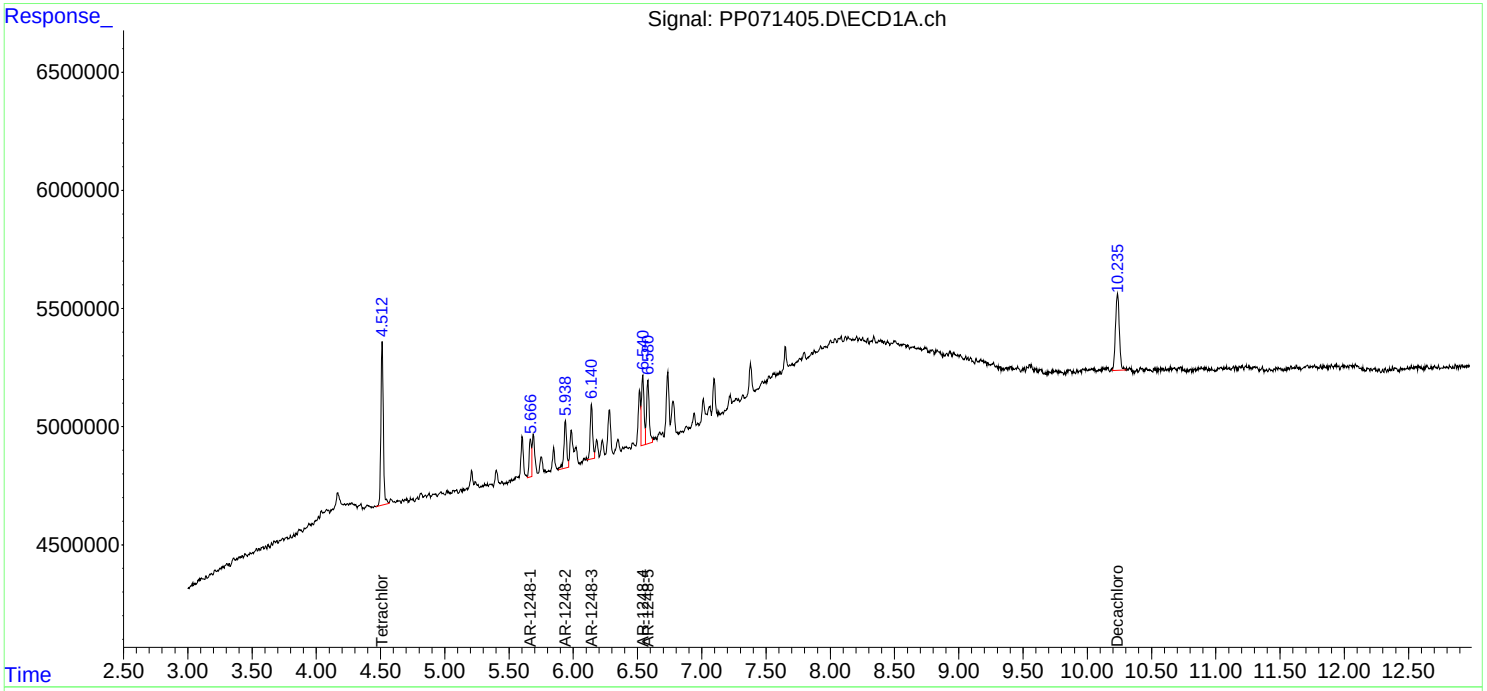
ICAL Form

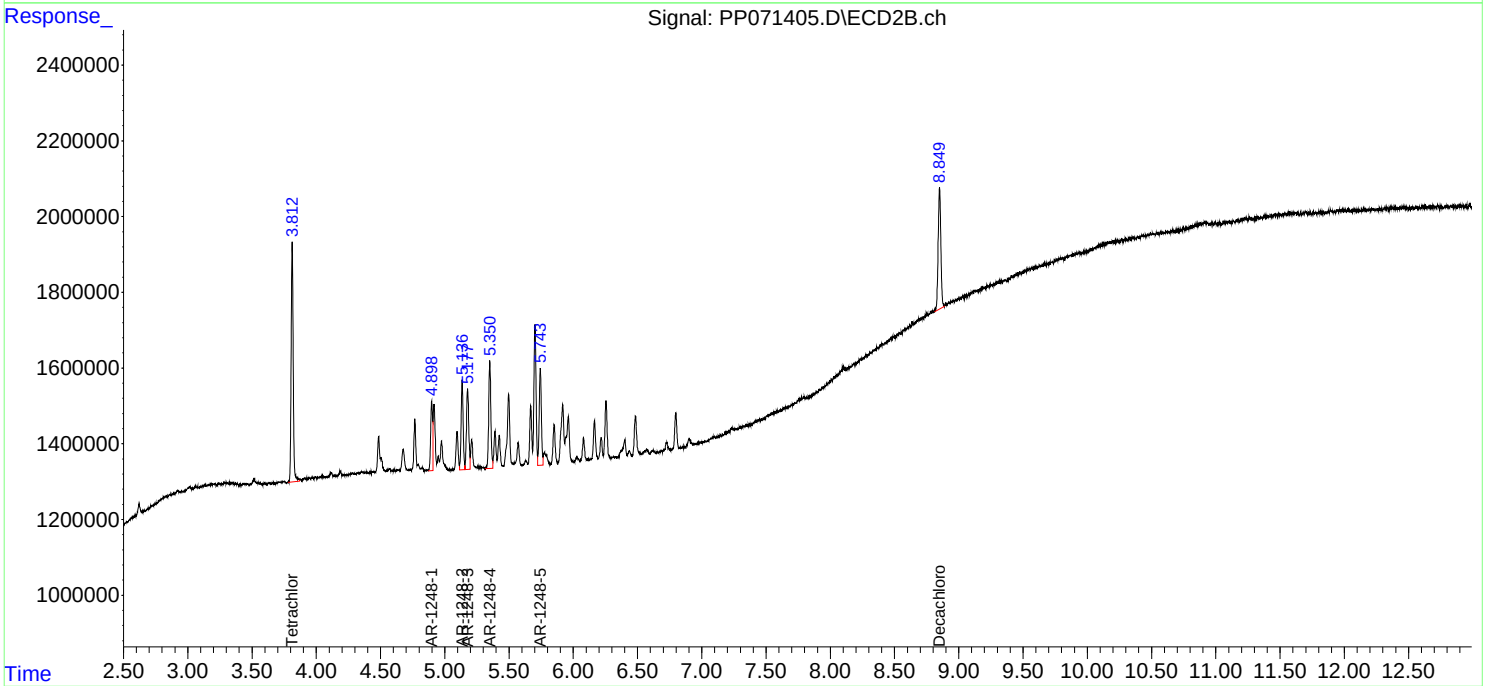
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 14:50
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

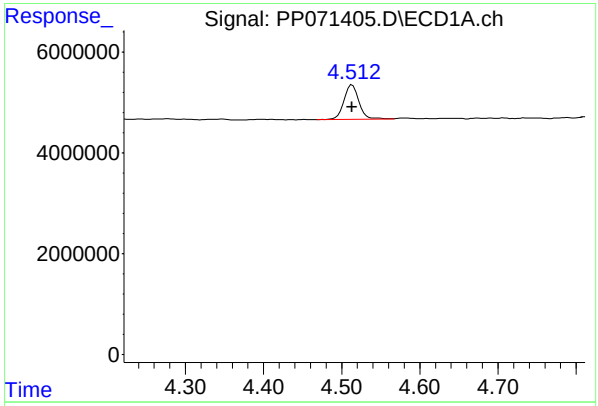
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:04:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:04:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



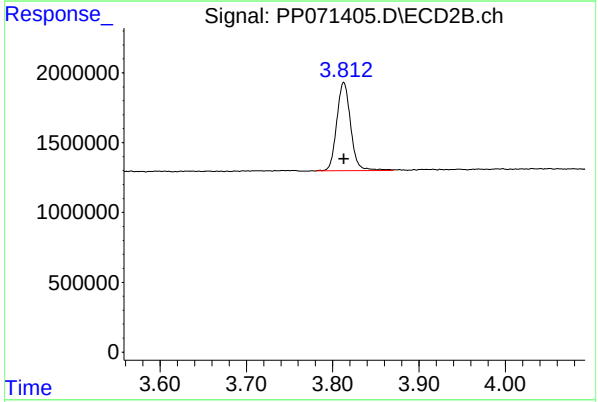




#1 Tetrachloro-m-xylene

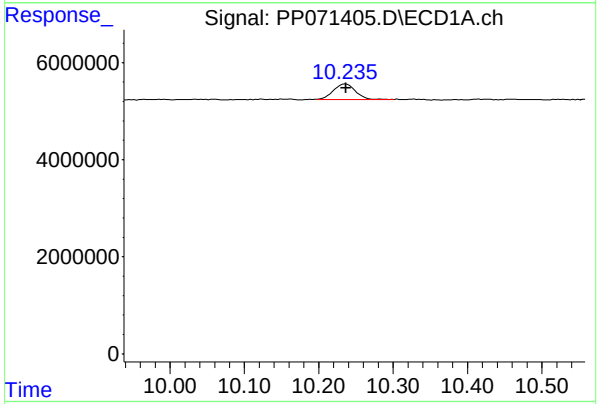
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 9059747
Conc: 4.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



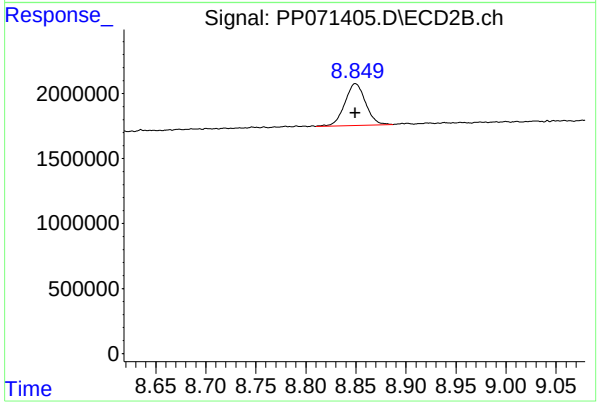
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 7084653
Conc: 4.89 ng/ml



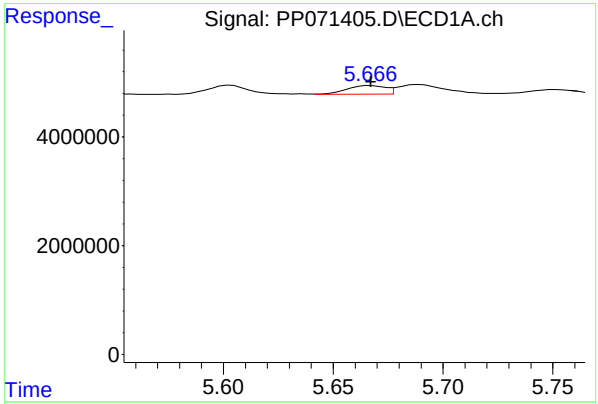
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 6791716
Conc: 4.73 ng/ml



#2 Decachlorobiphenyl

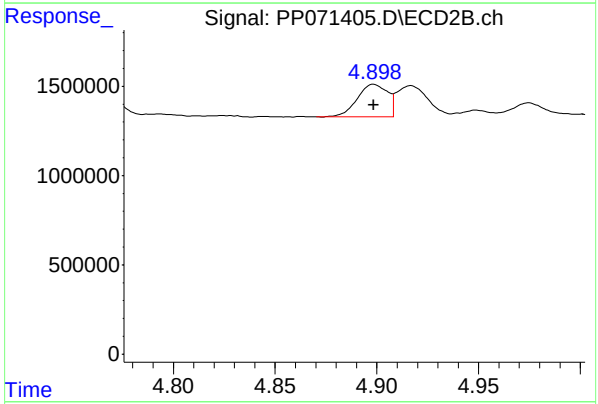
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 4608858
Conc: 5.18 ng/ml



#21 AR-1248-1

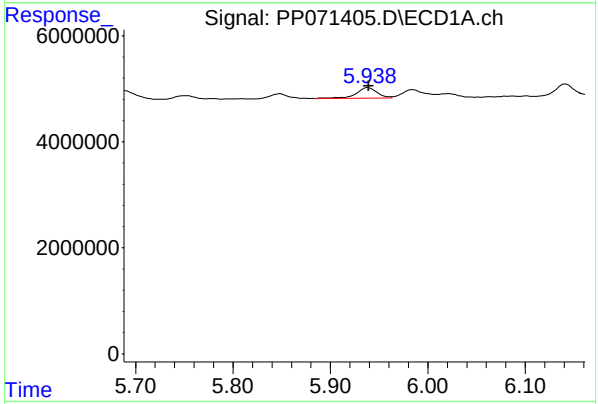
R.T.: 5.667 min
Delta R.T.: 0.000 min
Response: 1932478
Conc: 45.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



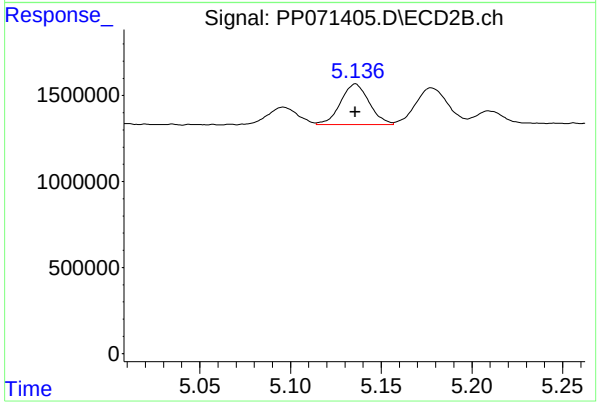
#21 AR-1248-1

R.T.: 4.899 min
Delta R.T.: 0.000 min
Response: 1889804
Conc: 52.34 ng/ml



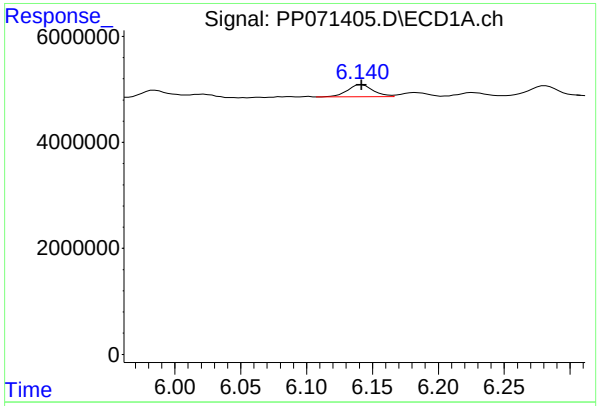
#22 AR-1248-2

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 2935274
Conc: 48.57 ng/ml



#22 AR-1248-2

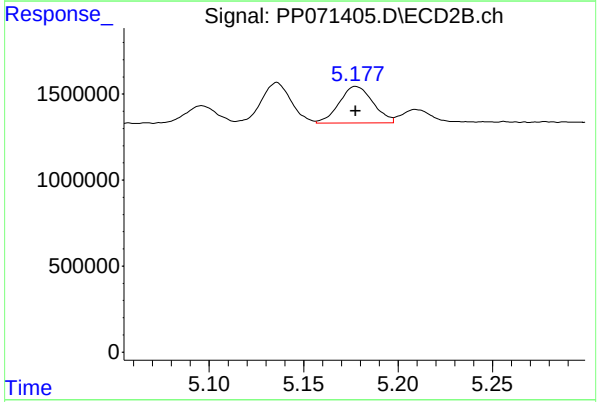
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 2587801
Conc: 52.85 ng/ml



#23 AR-1248-3

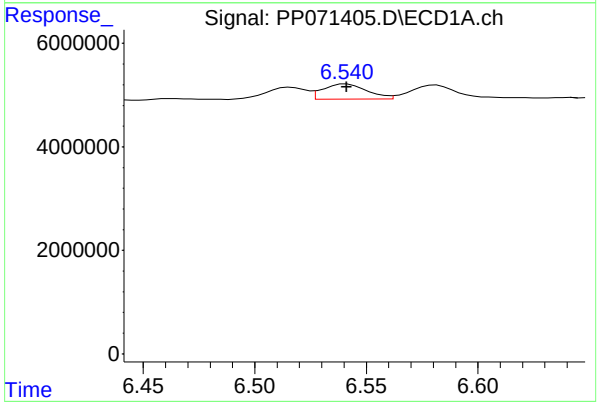
R.T.: 6.142 min
Delta R.T.: 0.000 min
Response: 3057380
Conc: 45.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



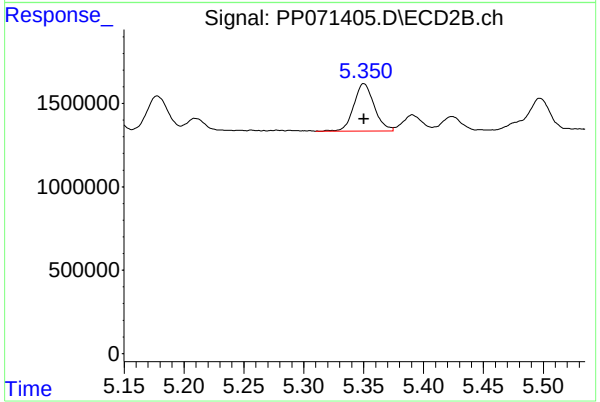
#23 AR-1248-3

R.T.: 5.178 min
Delta R.T.: 0.000 min
Response: 2647979
Conc: 51.83 ng/ml



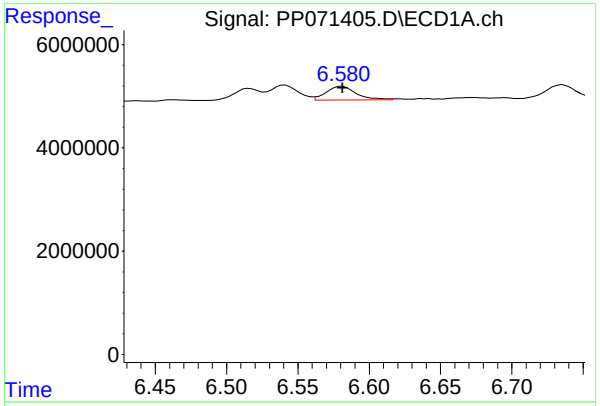
#24 AR-1248-4

R.T.: 6.541 min
Delta R.T.: 0.000 min
Response: 4089143
Conc: 48.33 ng/ml



#24 AR-1248-4

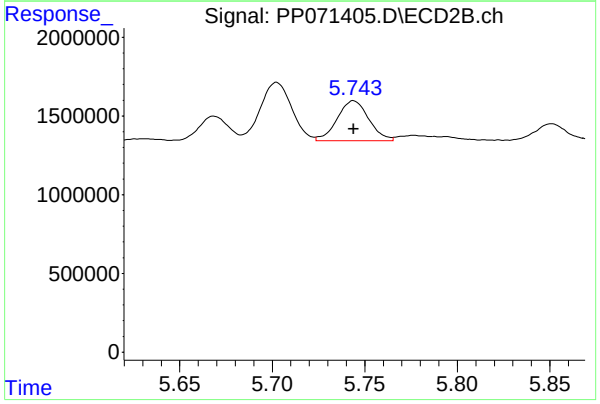
R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 3364119
Conc: 55.46 ng/ml



#25 AR-1248-5

R.T.: 6.581 min
Delta R.T.: 0.000 min
Response: 3919031
Conc: 49.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.744 min
Delta R.T.: 0.000 min
Response: 3006686
Conc: 51.58 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:06
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: Apr 22 15:51:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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...	4.515	3.812	188.8E6	139.1E6	96.818	97.876
2)	SA Decachlor...	10.236	8.850	141.0E6	84630750	96.040	96.040
	Target Compounds						
26)	L6 AR-1254-1	6.519	5.702	78574372	81690839	957.338	952.962
27)	L6 AR-1254-2	6.735	5.851	121.6E6	70045476	958.538	950.650
28)	L6 AR-1254-3	7.099	6.254	123.4E6	109.7E6	962.759	954.874
29)	L6 AR-1254-4	7.381	6.483	112.5E6	70169900	960.617	948.370
30)	L6 AR-1254-5	7.798	6.901	106.4E6	92229111	966.455	936.717

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

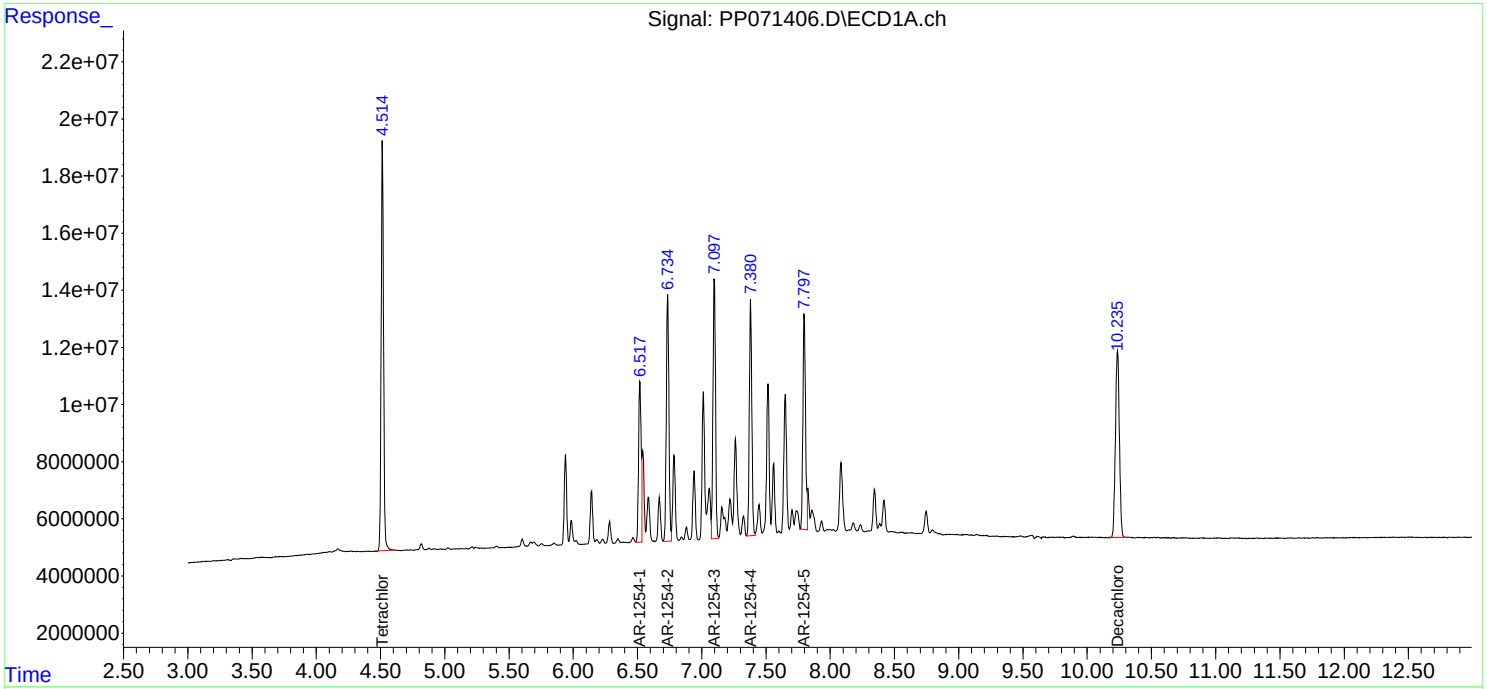
ICAL Form

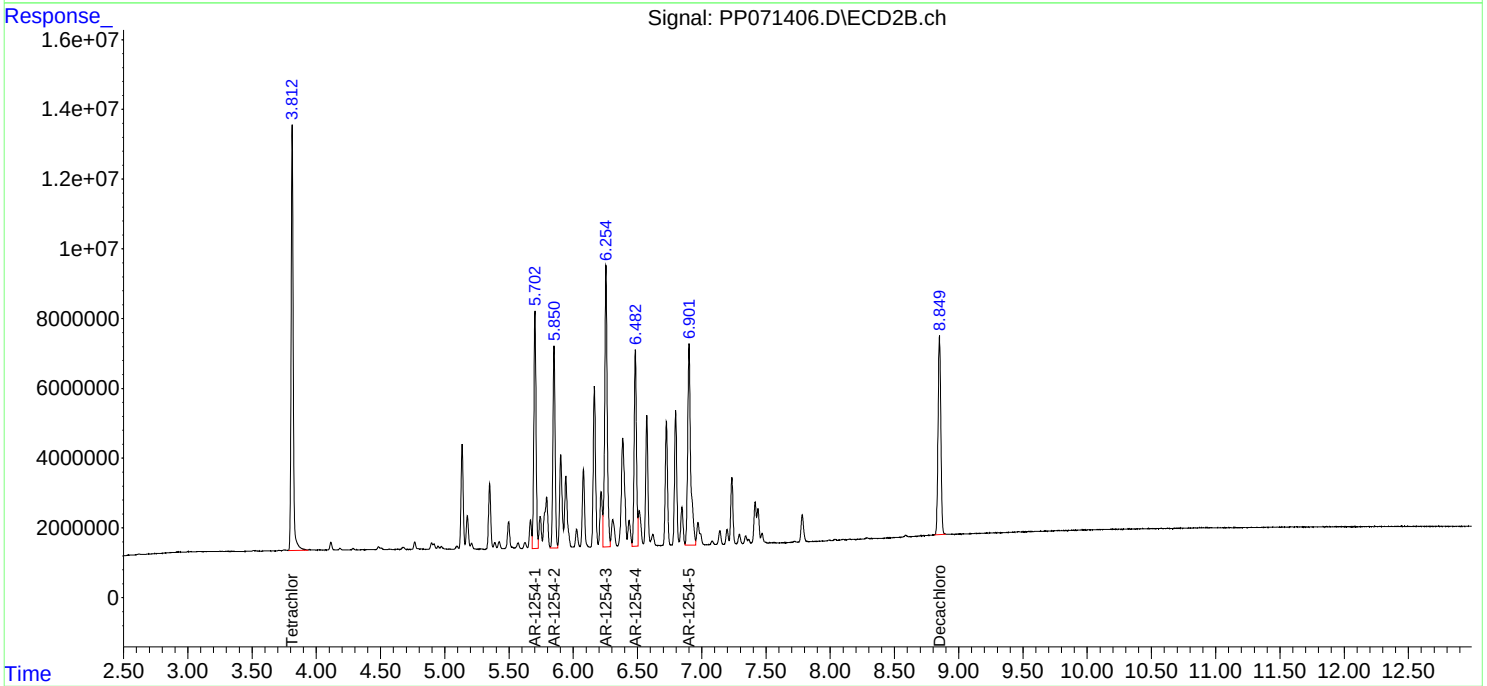
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:06
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

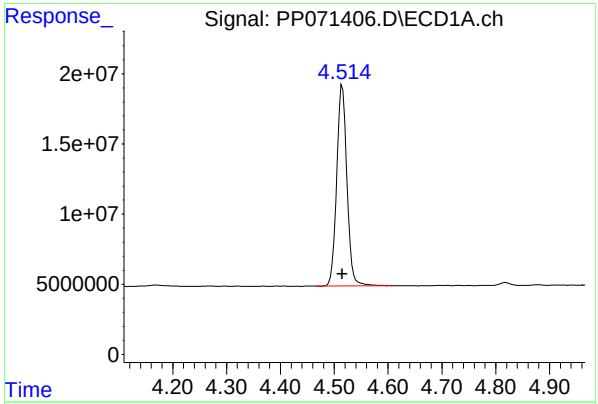
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:51:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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



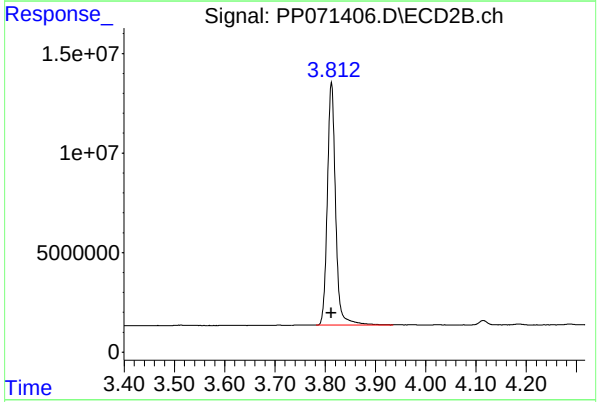




#1 Tetrachloro-m-xylene

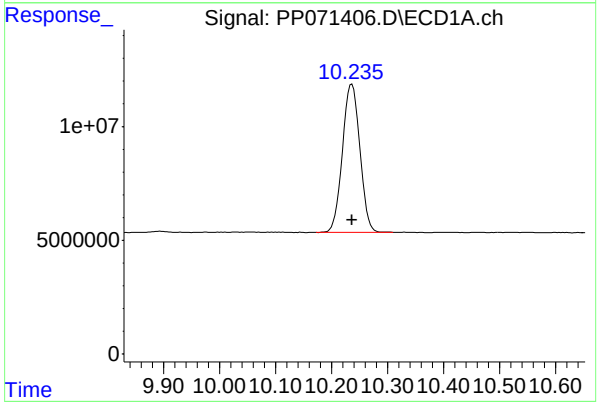
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 188824112
Conc: 96.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



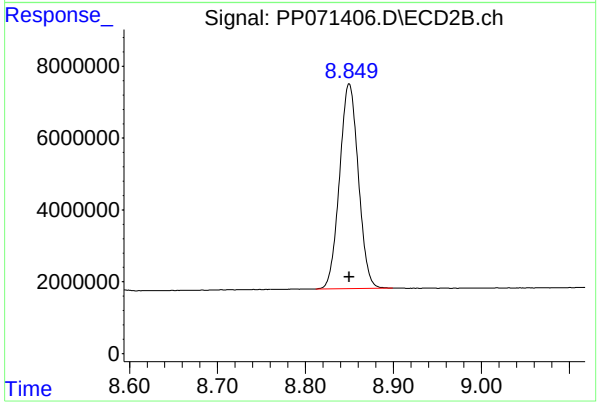
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 139055330
Conc: 97.88 ng/ml



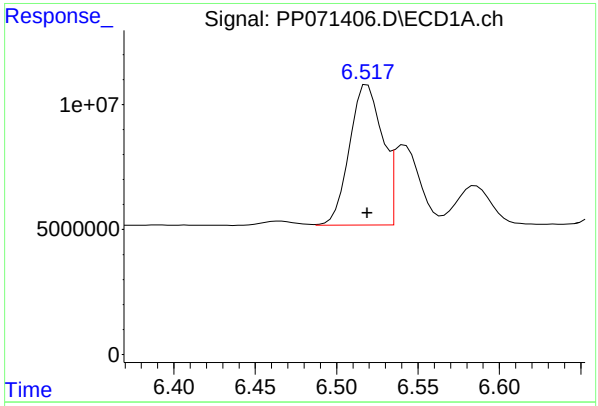
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 141010181
Conc: 96.04 ng/ml



#2 Decachlorobiphenyl

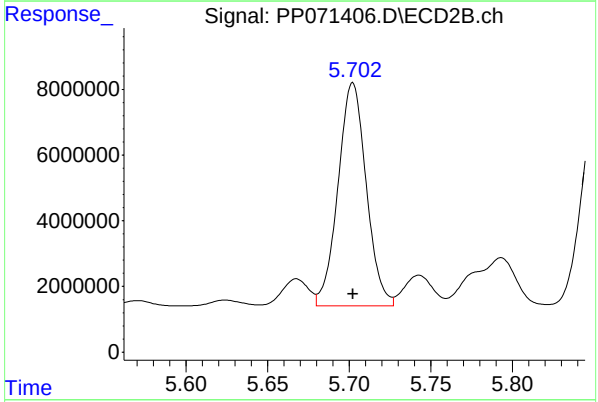
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 84630750
Conc: 96.04 ng/ml



#26 AR-1254-1

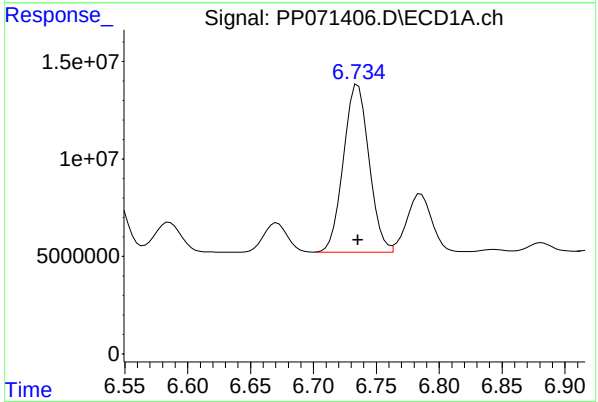
R.T.: 6.519 min
Delta R.T.: 0.000 mi
Response: 78574372
Conc: 957.34 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



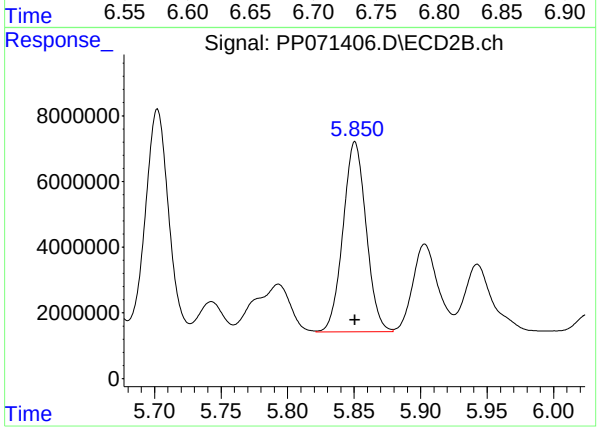
#26 AR-1254-1

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 81690839
Conc: 952.96 ng/ml



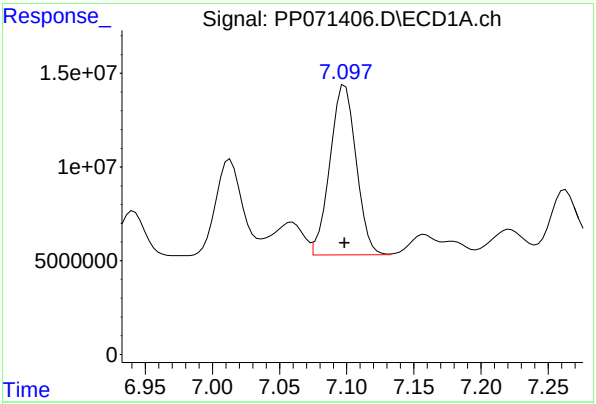
#27 AR-1254-2

R.T.: 6.735 min
Delta R.T.: 0.000 min
Response: 121624435
Conc: 958.54 ng/ml



#27 AR-1254-2

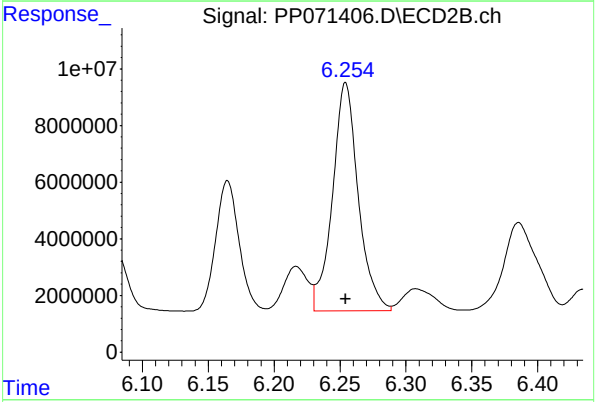
R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 70045476
Conc: 950.65 ng/ml



#28 AR-1254-3

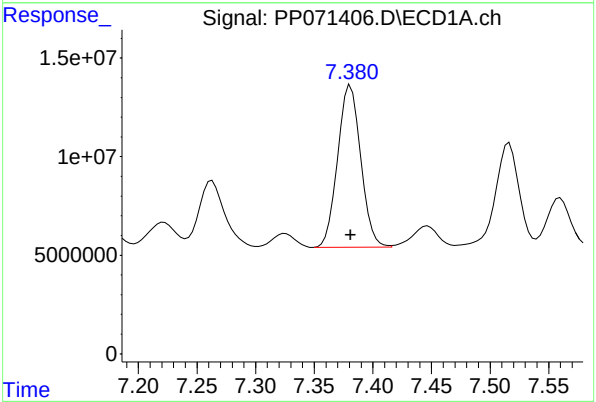
R.T.: 7.099 min
Delta R.T.: 0.000 min
Response: 123432630
Conc: 962.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



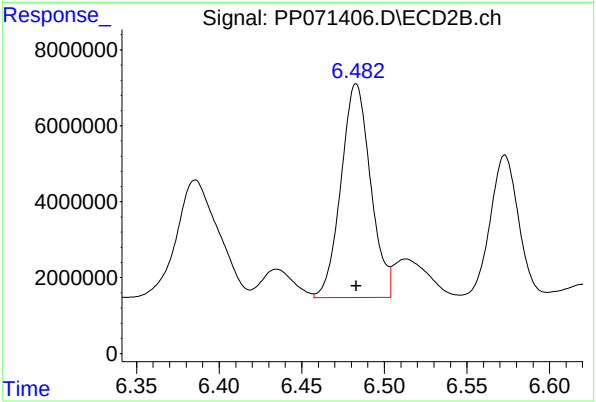
#28 AR-1254-3

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 109725744
Conc: 954.87 ng/ml



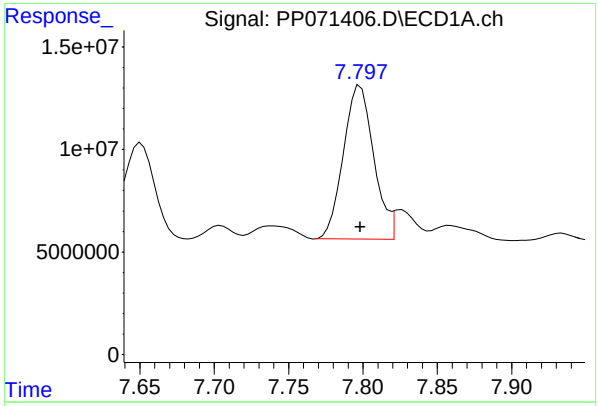
#29 AR-1254-4

R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 112512019
Conc: 960.62 ng/ml



#29 AR-1254-4

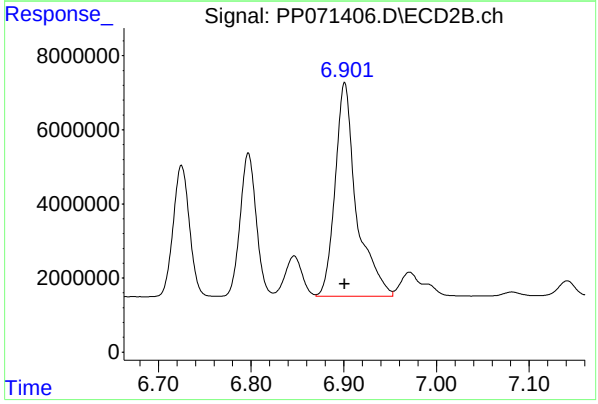
R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 70169900
Conc: 948.37 ng/ml



#30 AR-1254-5

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 106399089
Conc: 966.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 92229111
Conc: 936.72 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:22
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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...	4.515	3.812	145.3E6	112.6E6	74.658	77.773
2)	SA Decachlor...	10.236	8.850	110.2E6	65650190	75.033	74.666
	Target Compounds						
26)	L6 AR-1254-1	6.519	5.703	60934961	65520948	744.931	759.494
27)	L6 AR-1254-2	6.735	5.851	94362074	56602387	745.775	762.037
28)	L6 AR-1254-3	7.098	6.255	95849879	85577532	748.410	746.476
29)	L6 AR-1254-4	7.381	6.483	87194278	55551540	746.295	750.532
30)	L6 AR-1254-5	7.797	6.901	79441918	72082199	721.000m	737.969

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:22
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

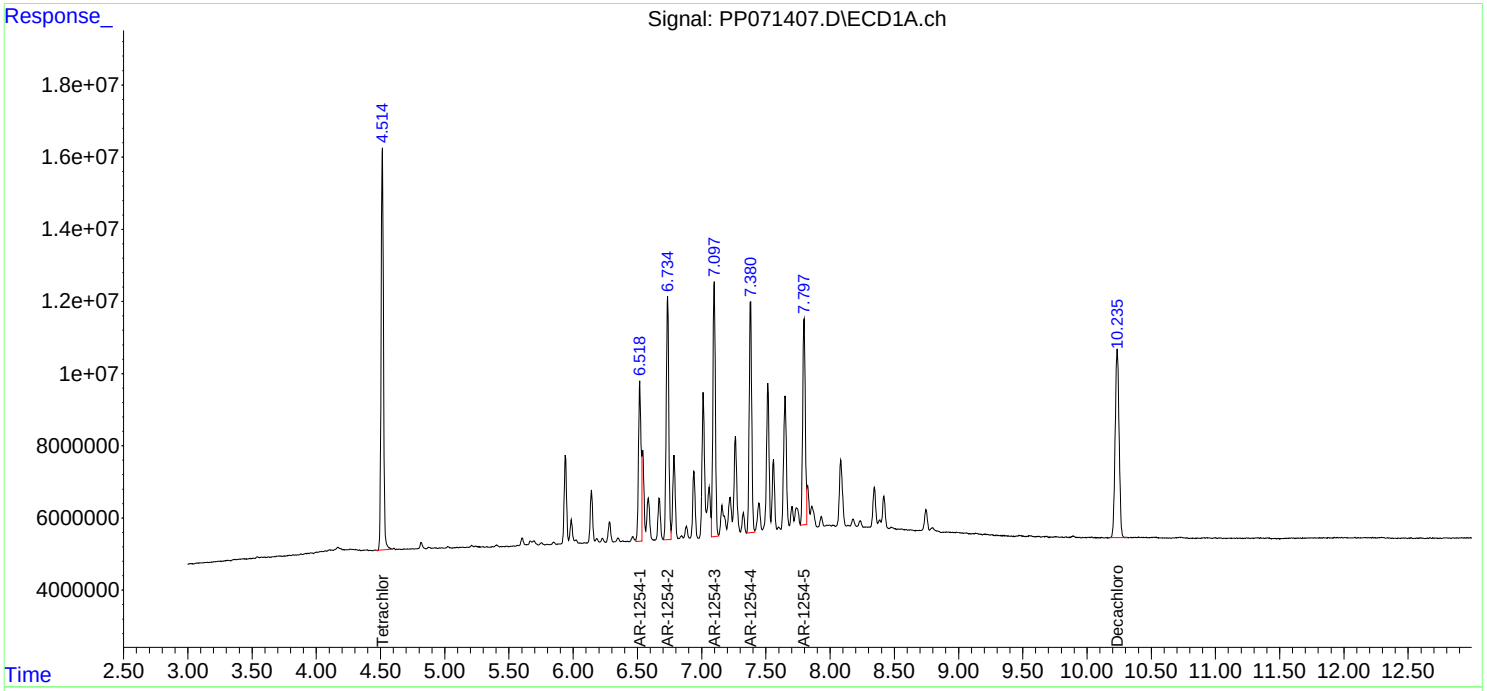
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

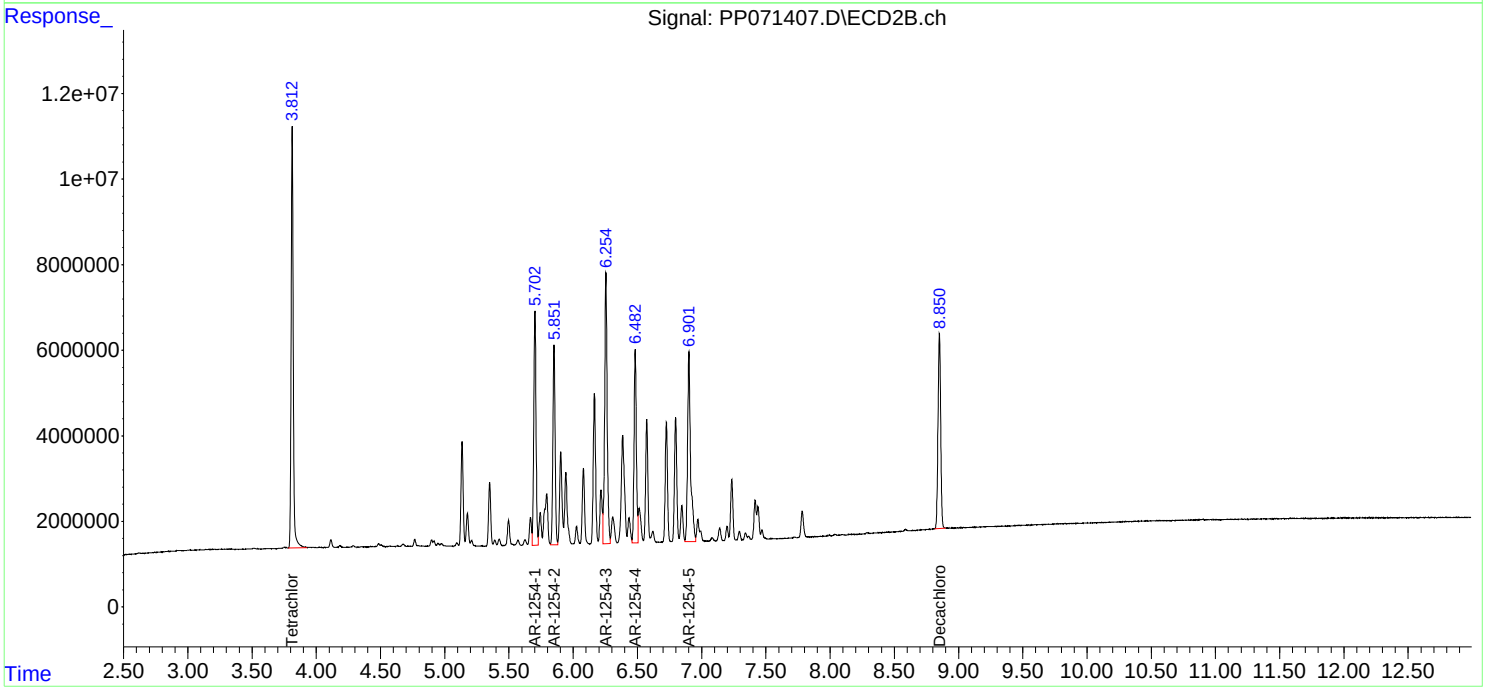
Manual Integrations APPROVED

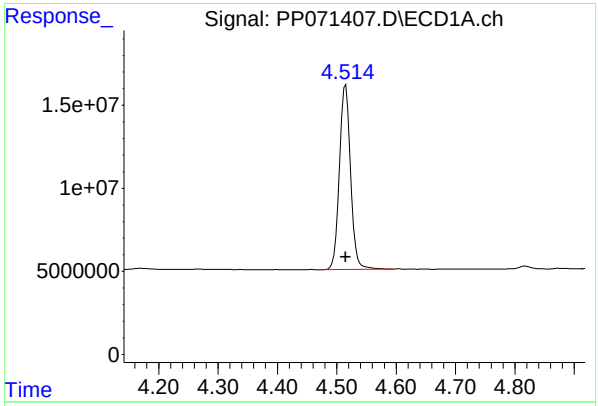
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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







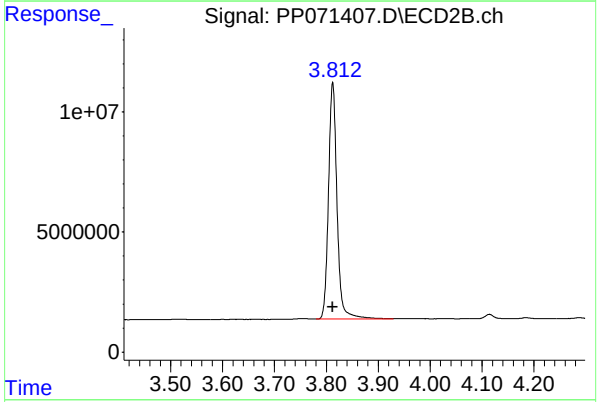
#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 145274275
Conc: 74.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

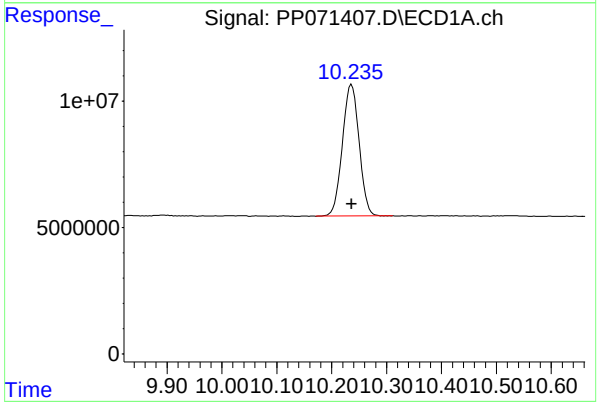
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



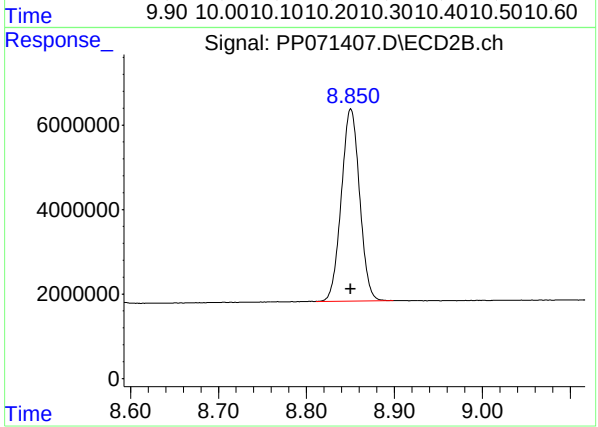
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 112576042
Conc: 77.77 ng/ml



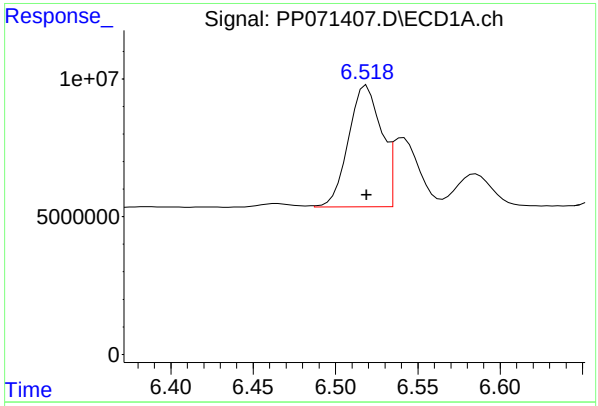
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 110190189
Conc: 75.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 65650190
Conc: 74.67 ng/ml



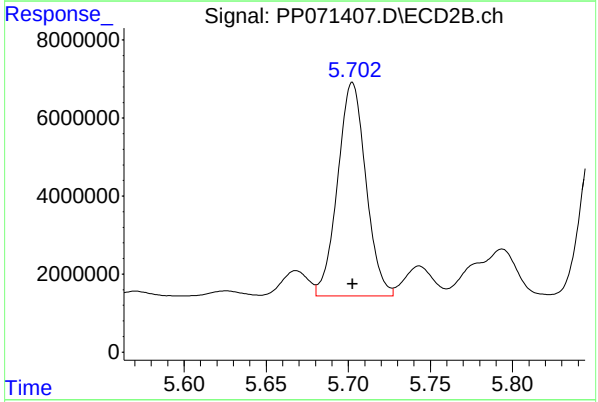
#26 AR-1254-1

R.T.: 6.519 min
Delta R.T.: 0.000 min
Response: 60934961
Conc: 744.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

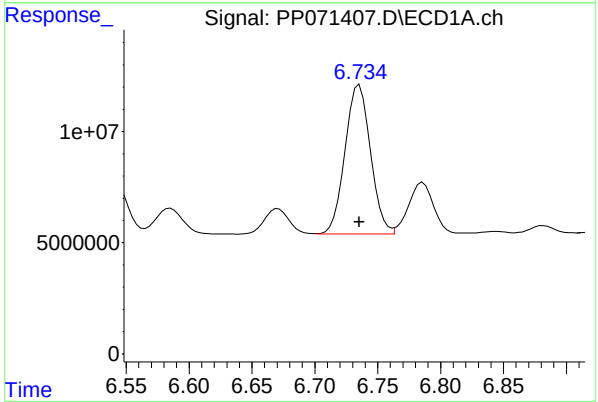
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



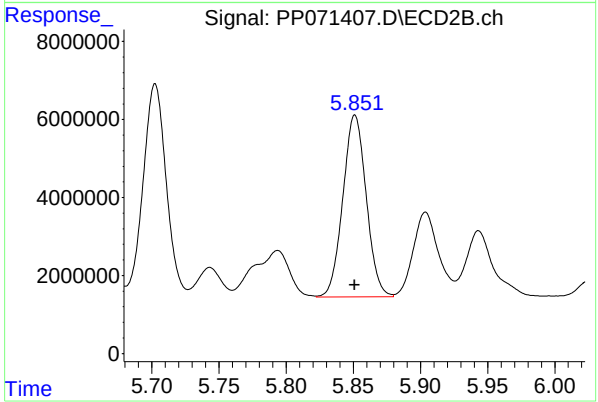
#26 AR-1254-1

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 65520948
Conc: 759.49 ng/ml



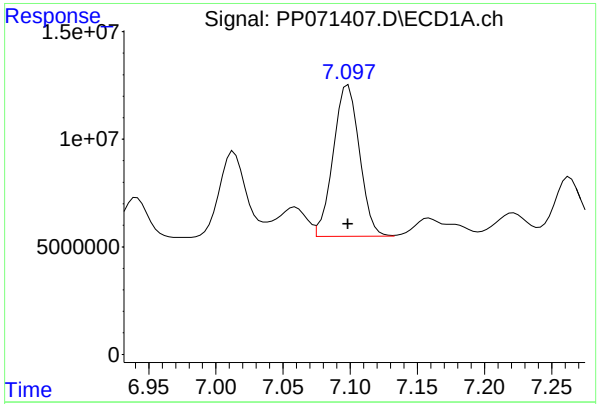
#27 AR-1254-2

R.T.: 6.735 min
Delta R.T.: 0.000 min
Response: 94362074
Conc: 745.77 ng/ml



#27 AR-1254-2

R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 56602387
Conc: 762.04 ng/ml



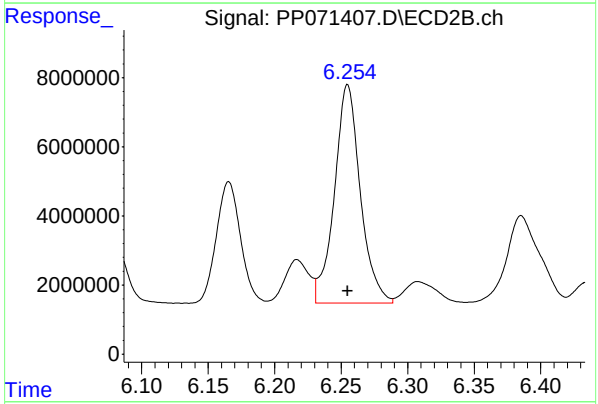
#28 AR-1254-3

R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 95849879
Conc: 748.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

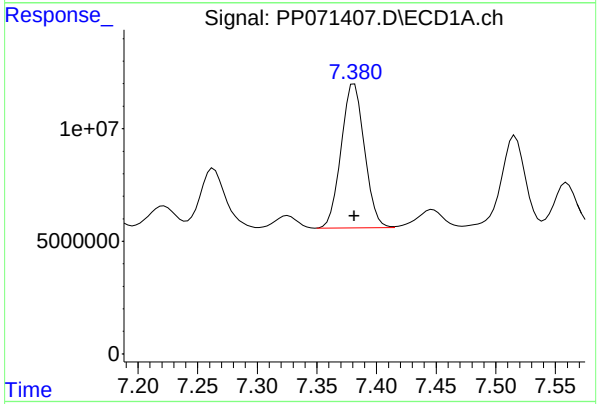
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



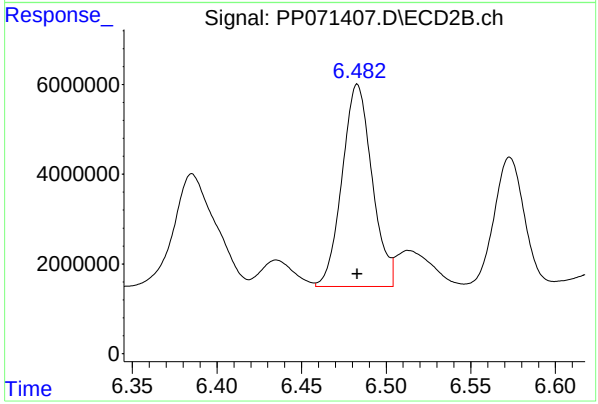
#28 AR-1254-3

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 85577532
Conc: 746.48 ng/ml



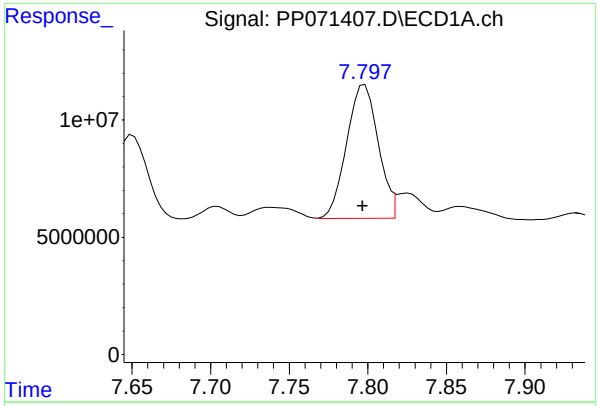
#29 AR-1254-4

R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 87194278
Conc: 746.30 ng/ml



#29 AR-1254-4

R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 55551540
Conc: 750.53 ng/ml



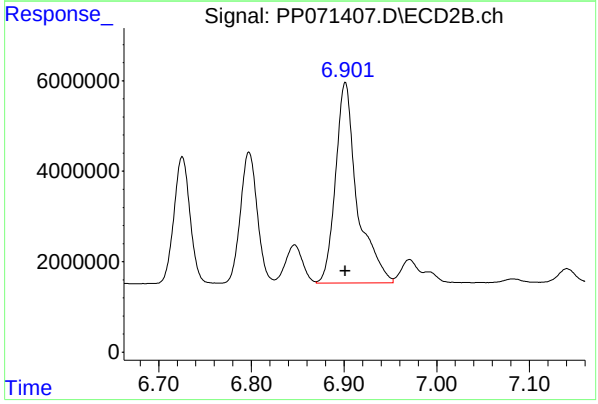
#30 AR-1254-5

R.T.: 7.797 min
Delta R.T.: 0.000 min
Response: 79441918
Conc: 721.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



#30 AR-1254-5

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 72082199
Conc: 737.97 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:38
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: Apr 22 15:48:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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...	4.515	3.812	100.6E6	72545075	50.000	50.000
2)	SA Decachlor...	10.237	8.849	76319487	45805245	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.519	5.702	42788667	44877702	500.000	500.000
27)	L6 AR-1254-2	6.735	5.851	66073164	38658957	500.000	500.000
28)	L6 AR-1254-3	7.098	6.254	66490827	60048409	500.000	500.000
29)	L6 AR-1254-4	7.381	6.483	60868718	38905081	500.000	500.000
30)	L6 AR-1254-5	7.797	6.901	56892560	52345397	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

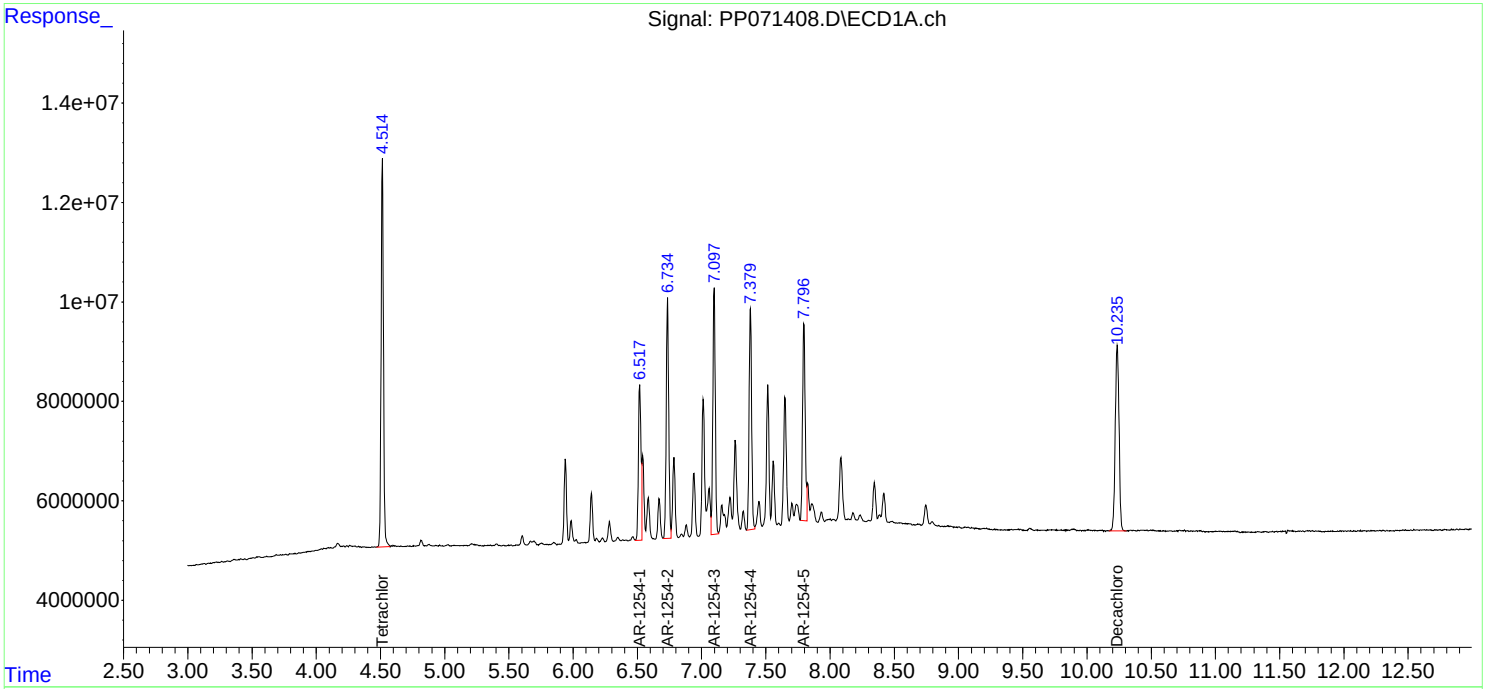
ICAL Form

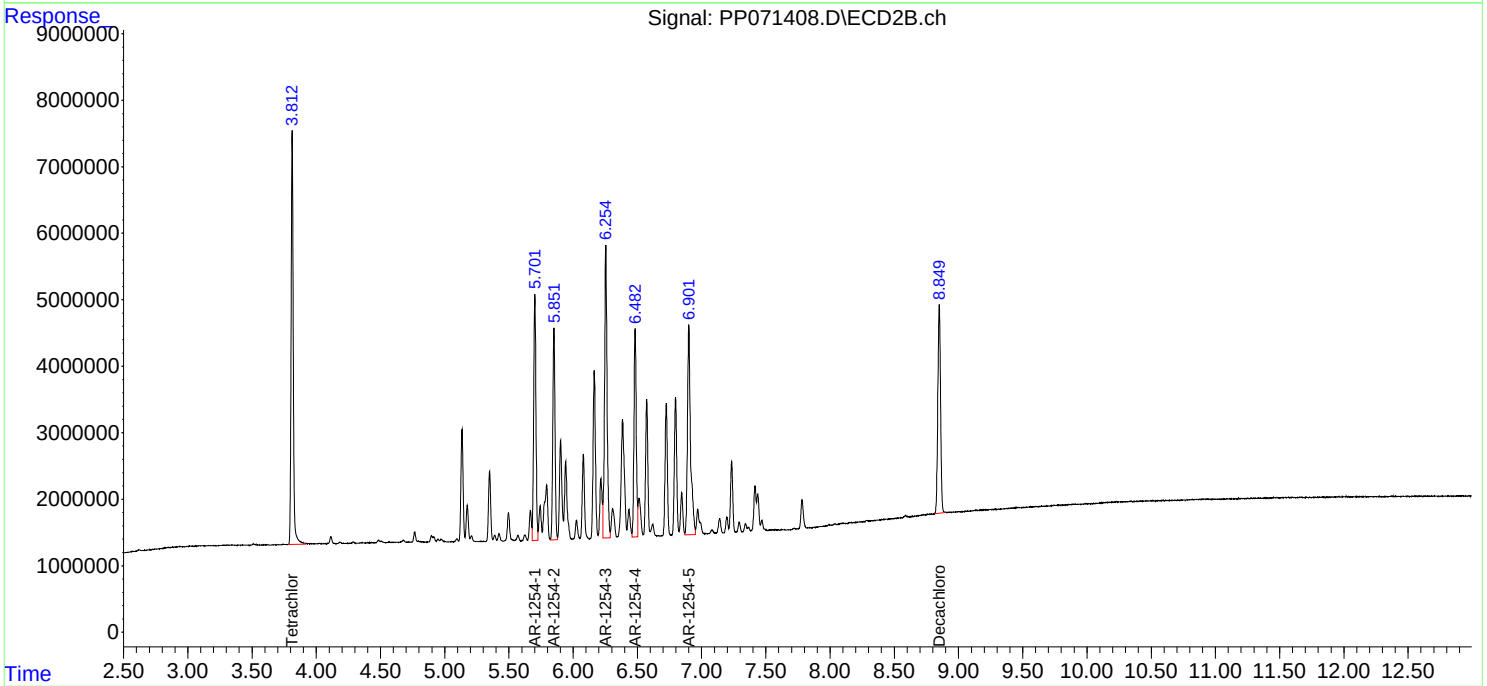
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:38
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

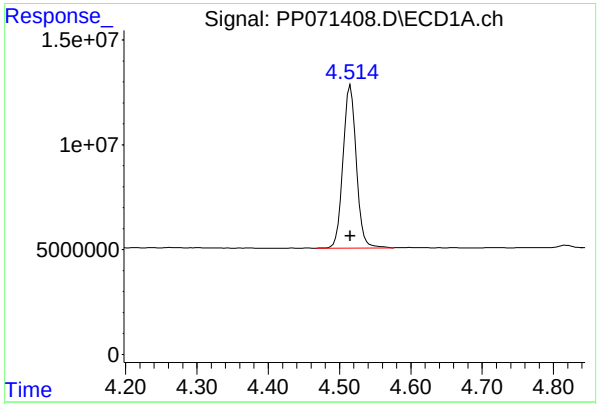
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:48:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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



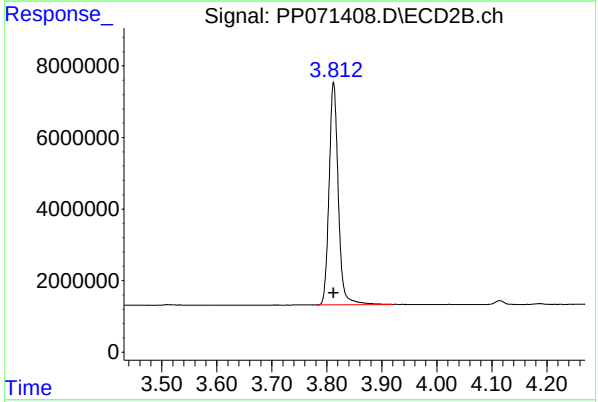




#1 Tetrachloro-m-xylene

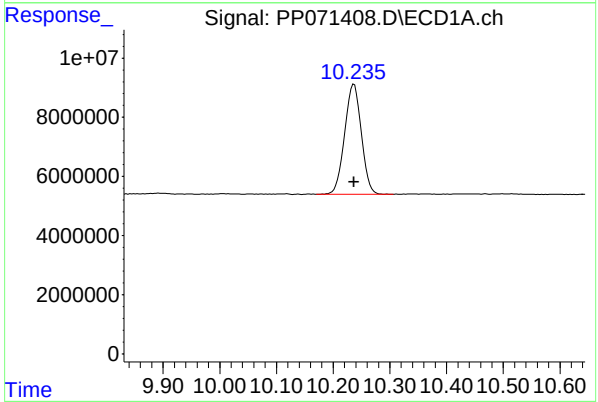
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 100618430
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



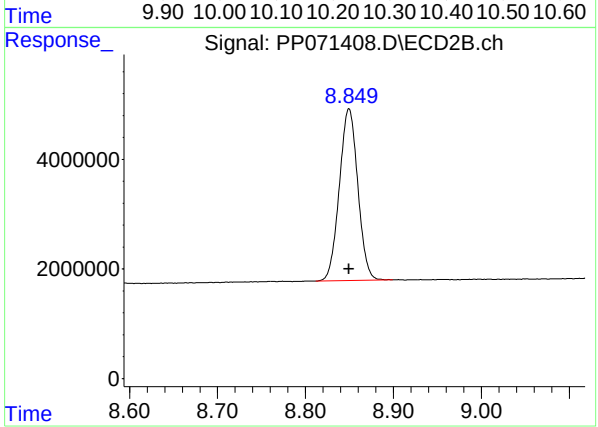
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 72545075
Conc: 50.00 ng/ml



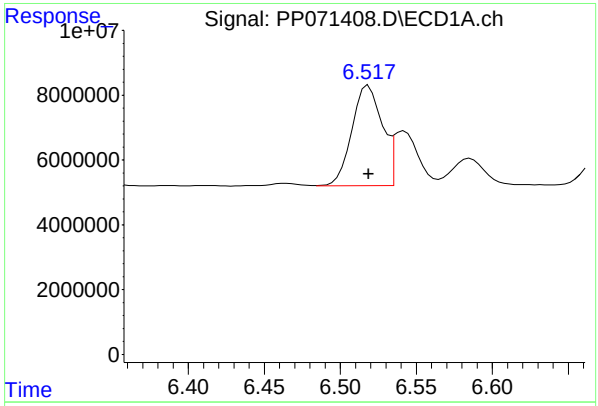
#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: 0.000 min
Response: 76319487
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

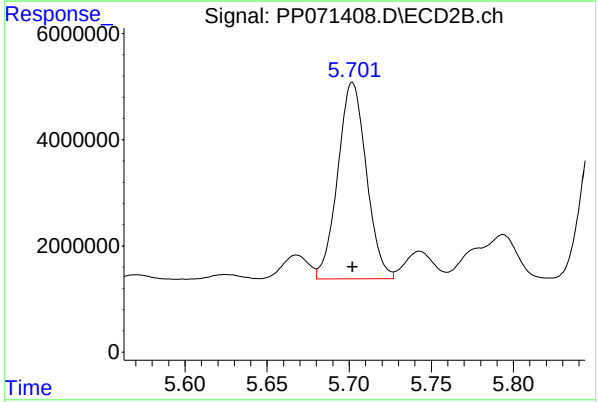
R.T.: 8.849 min
Delta R.T.: 0.000 min
Response: 45805245
Conc: 50.00 ng/ml



#26 AR-1254-1

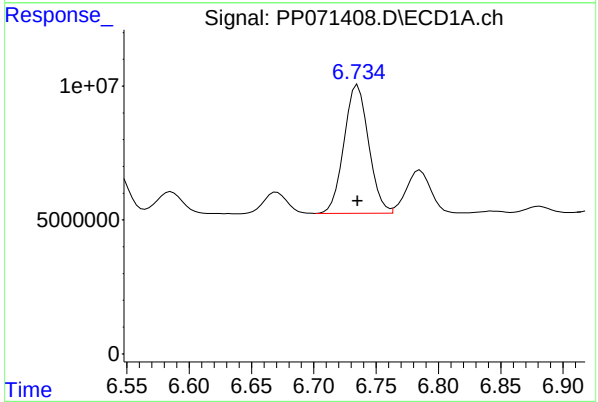
R.T.: 6.519 min
Delta R.T.: 0.000 min
Response: 42788667
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



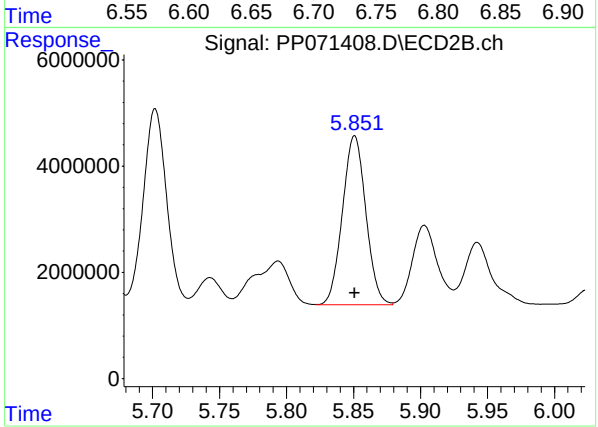
#26 AR-1254-1

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 44877702
Conc: 500.00 ng/ml



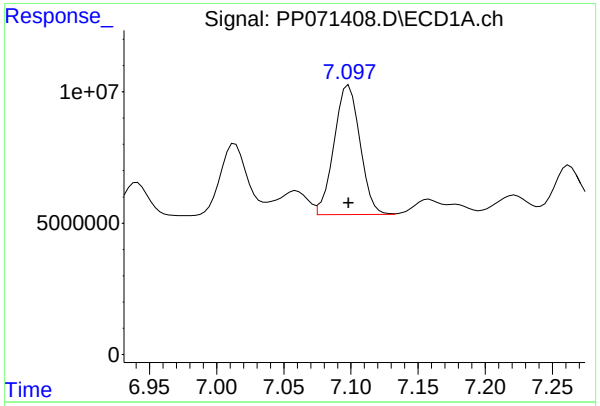
#27 AR-1254-2

R.T.: 6.735 min
Delta R.T.: 0.000 min
Response: 66073164
Conc: 500.00 ng/ml



#27 AR-1254-2

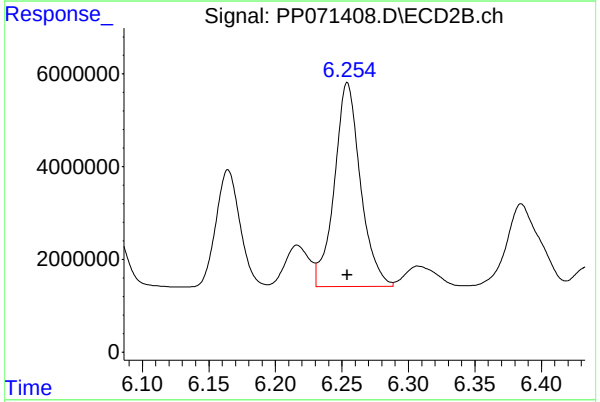
R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 38658957
Conc: 500.00 ng/ml



#28 AR-1254-3

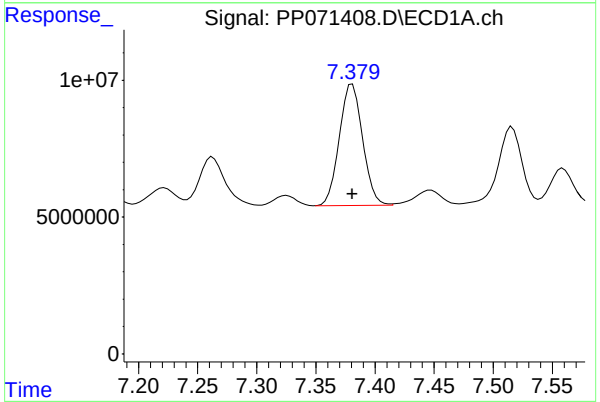
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 66490827
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



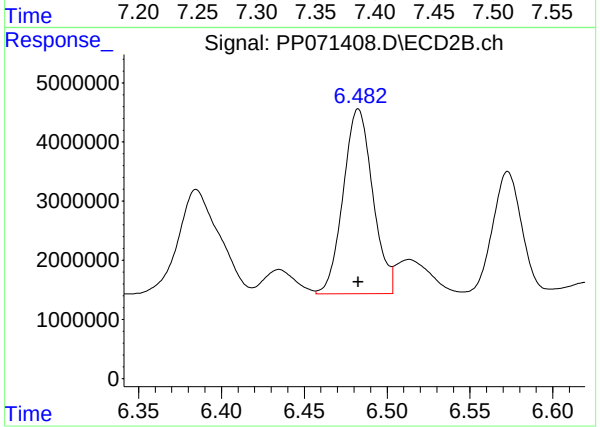
#28 AR-1254-3

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 60048409
Conc: 500.00 ng/ml



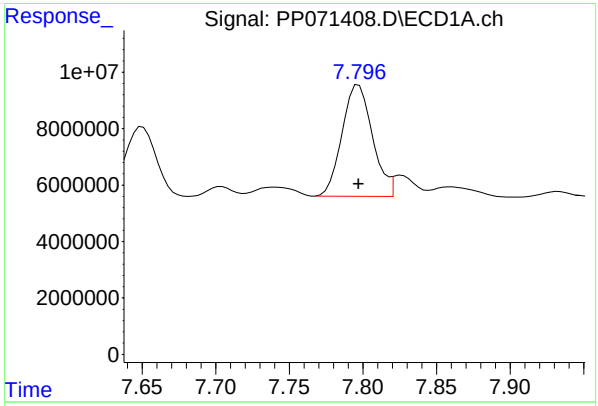
#29 AR-1254-4

R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 60868718
Conc: 500.00 ng/ml



#29 AR-1254-4

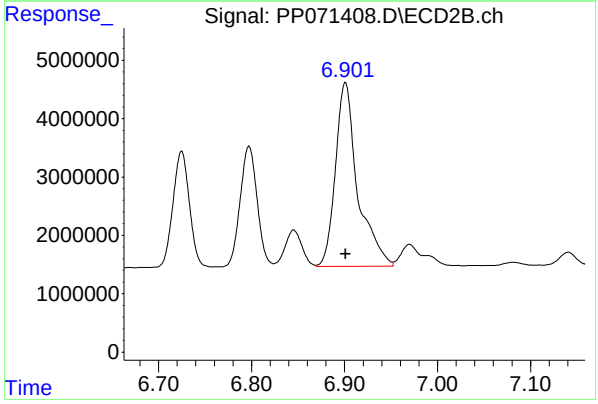
R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 38905081
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.797 min
Delta R.T.: 0.000 min
Response: 56892560
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 52345397
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:55
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: Apr 22 16:07:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.813	51789148	37965204	26.192	25.910
2)	SA Decachlor...	10.234	8.850	38742671	23881547	26.022	26.587
	Target Compounds						
26)	L6 AR-1254-1	6.517	5.703	22149547	24321384	265.267	273.203
27)	L6 AR-1254-2	6.733	5.851	34278927	20788594	265.367	271.757
28)	L6 AR-1254-3	7.096	6.255	34405813	31095041	263.728	265.596
29)	L6 AR-1254-4	7.379	6.483	31098214	20469357	261.934	269.399
30)	L6 AR-1254-5	7.796	6.901	29038261	26846100	262.635	268.183

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

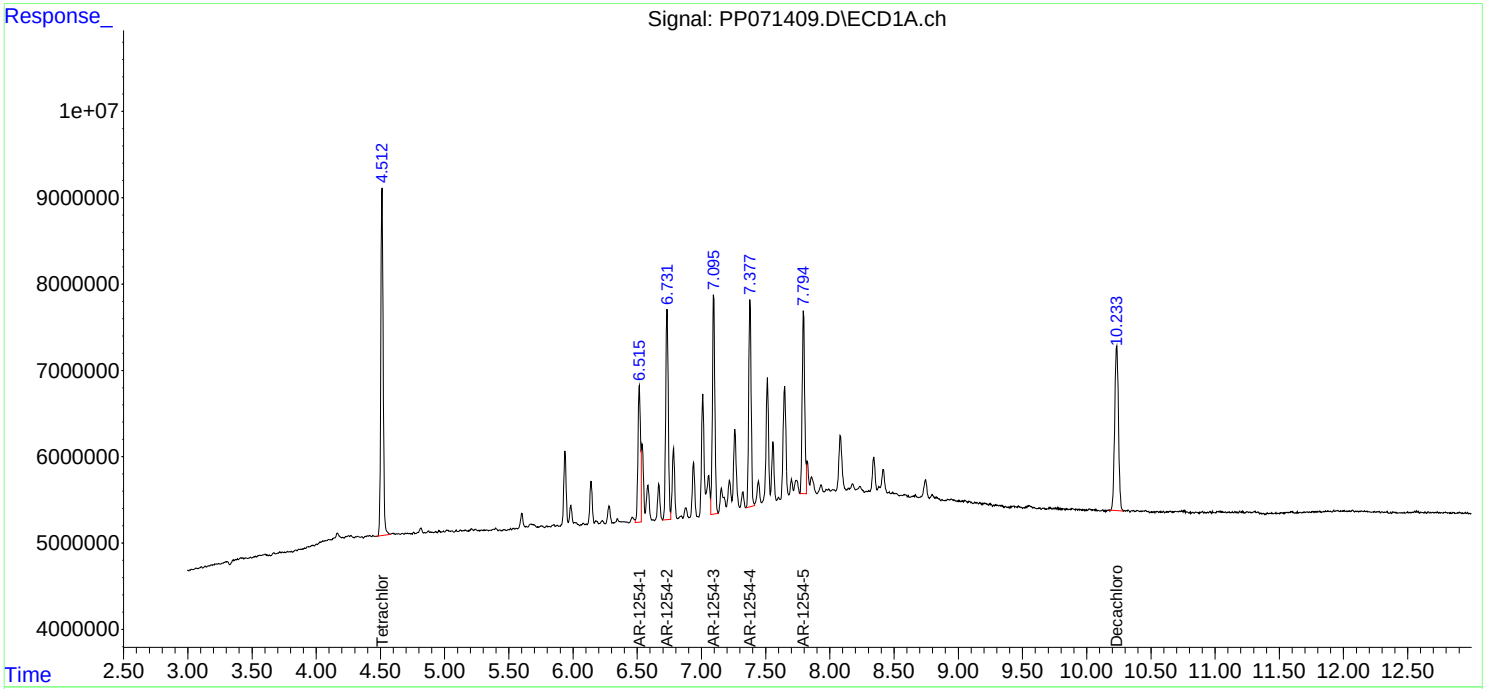
ICAL Form

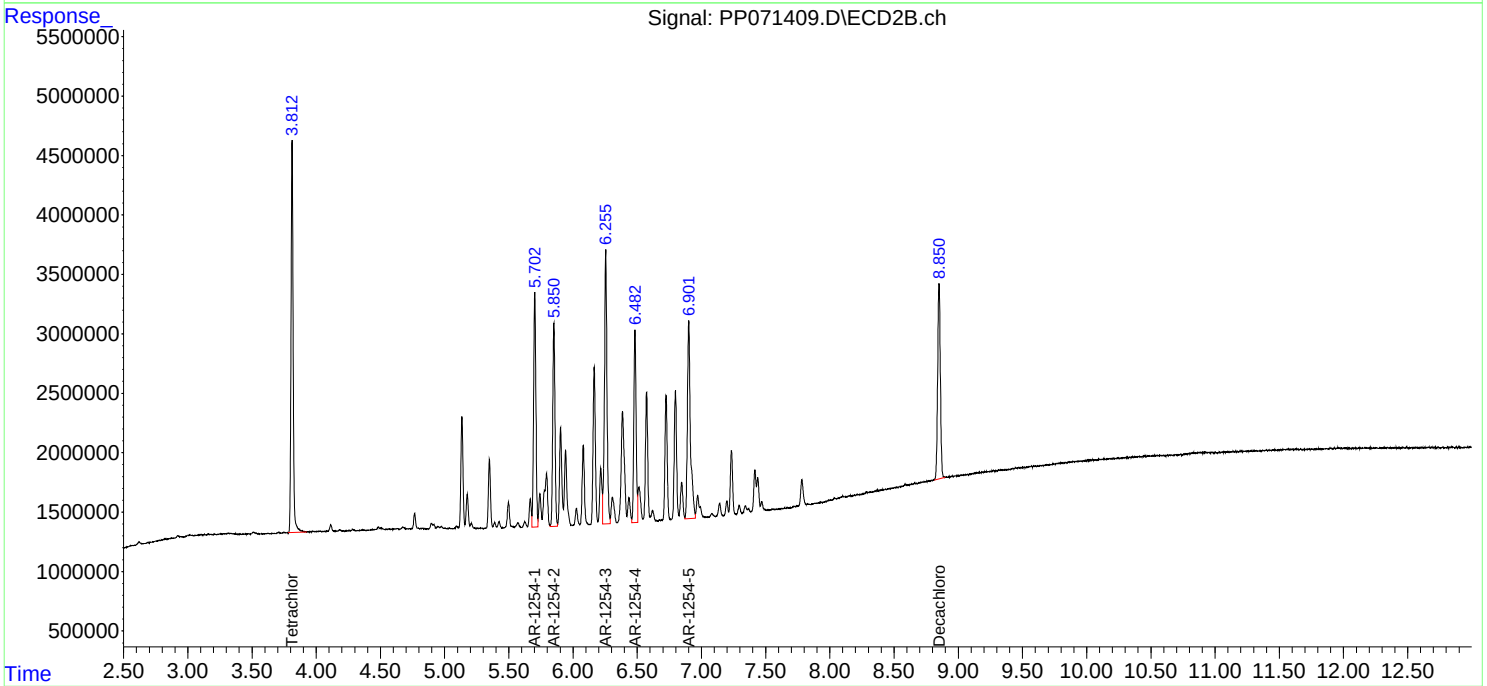
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:55
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

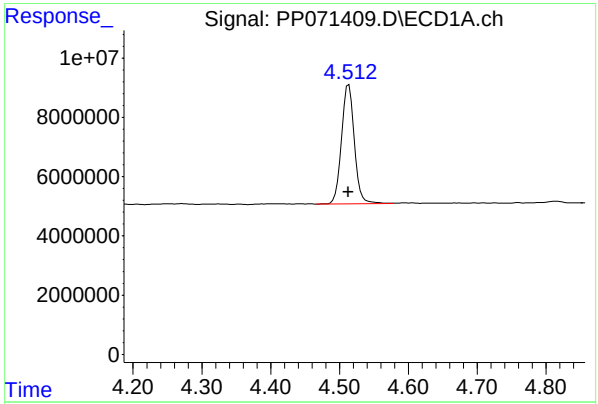
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 16:07:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



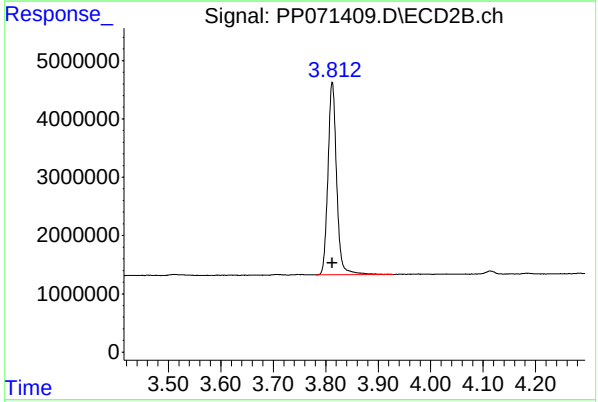




#1 Tetrachloro-m-xylene

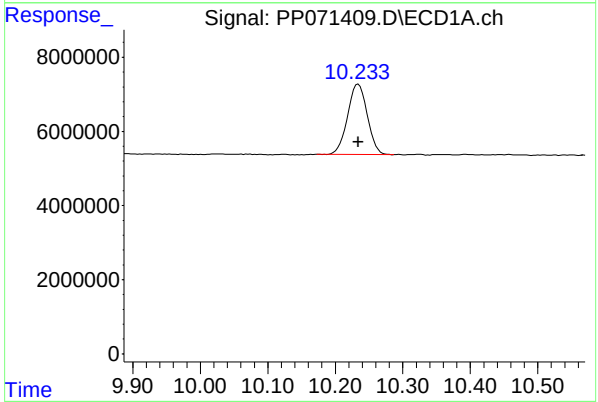
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 51789148
Conc: 26.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



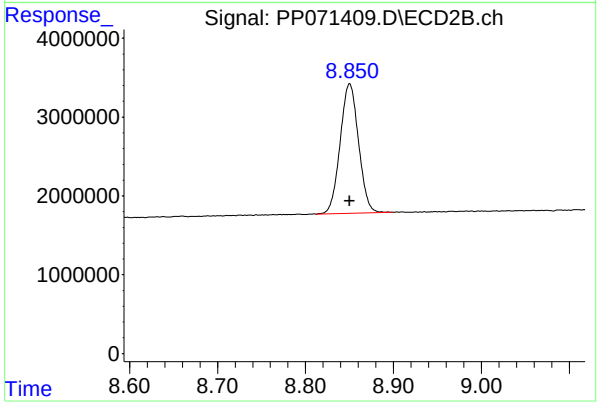
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 37965204
Conc: 25.91 ng/ml



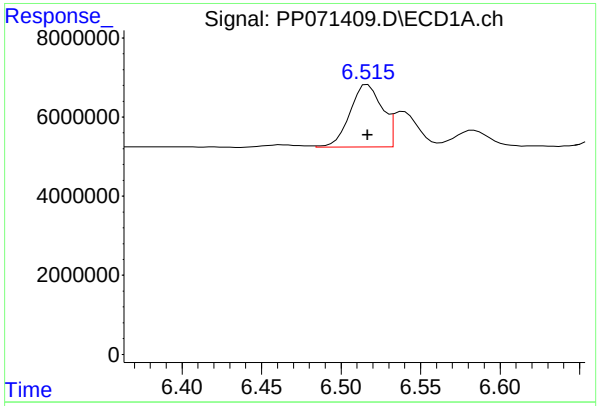
#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: 0.000 min
Response: 38742671
Conc: 26.02 ng/ml



#2 Decachlorobiphenyl

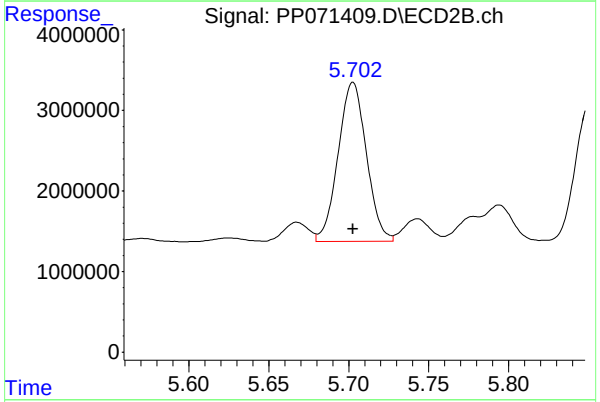
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 23881547
Conc: 26.59 ng/ml



#26 AR-1254-1

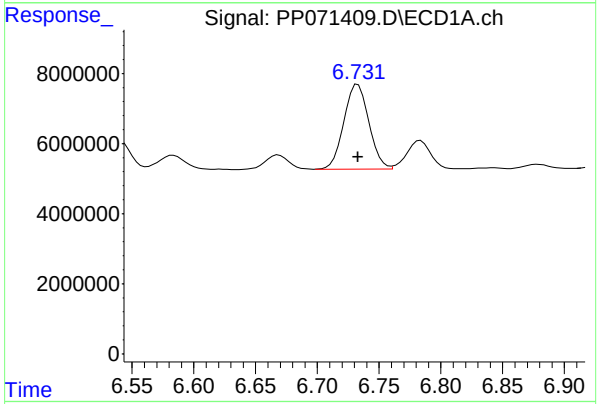
R.T.: 6.517 min
Delta R.T.: 0.000 mi
Response: 22149547
Conc: 265.27 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



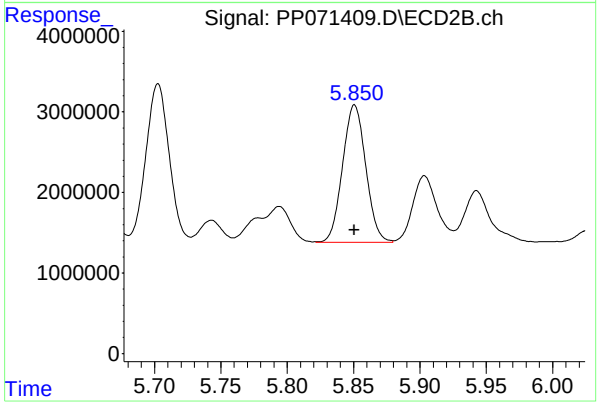
#26 AR-1254-1

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 24321384
Conc: 273.20 ng/ml



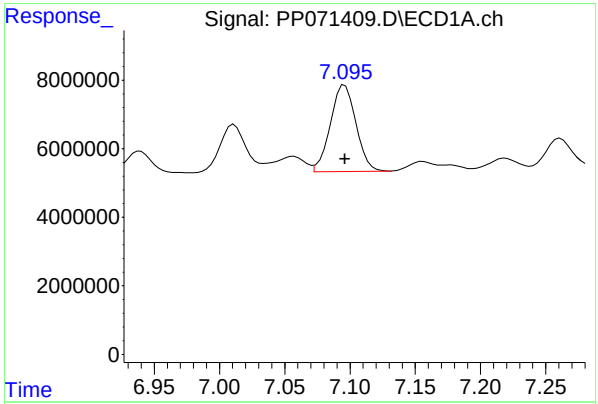
#27 AR-1254-2

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 34278927
Conc: 265.37 ng/ml



#27 AR-1254-2

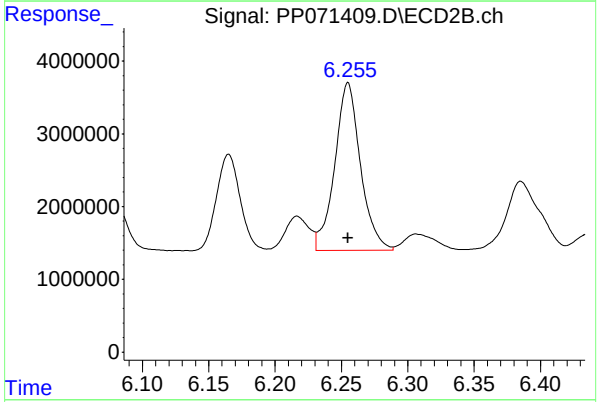
R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 20788594
Conc: 271.76 ng/ml



#28 AR-1254-3

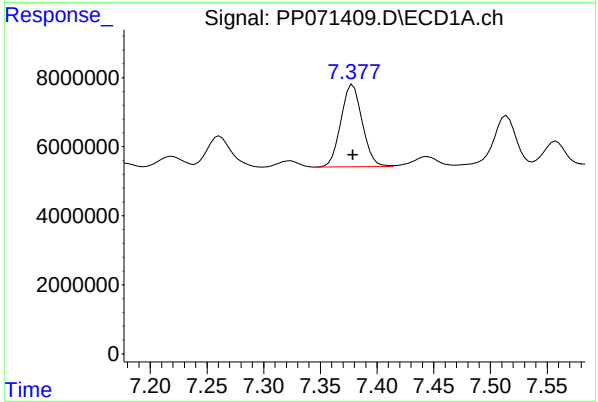
R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 34405813
Conc: 263.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



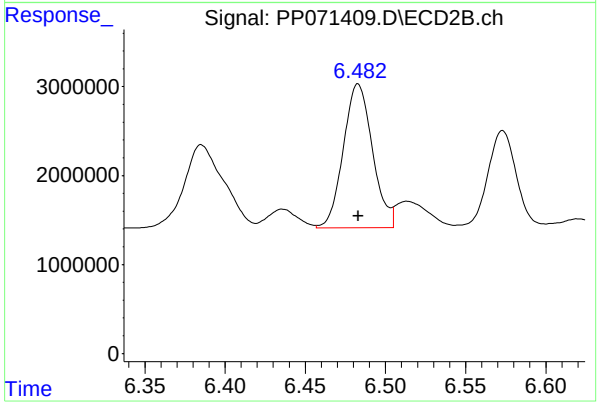
#28 AR-1254-3

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 31095041
Conc: 265.60 ng/ml



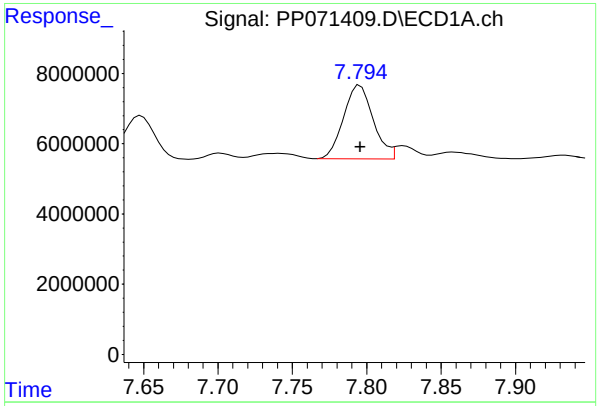
#29 AR-1254-4

R.T.: 7.379 min
Delta R.T.: 0.000 min
Response: 31098214
Conc: 261.93 ng/ml



#29 AR-1254-4

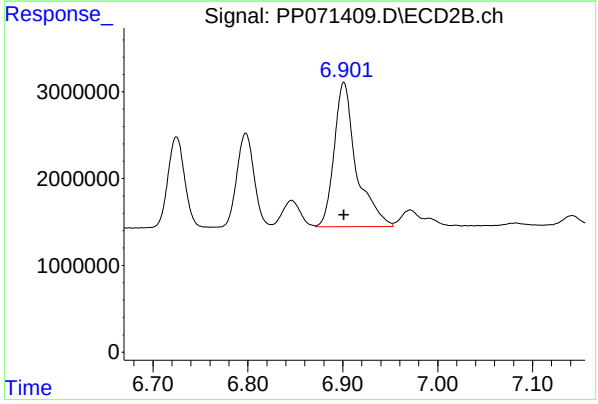
R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 20469357
Conc: 269.40 ng/ml



#30 AR-1254-5

R.T.: 7.796 min
Delta R.T.: 0.000 min
Response: 29038261
Conc: 262.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 26846100
Conc: 268.18 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:11
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 16:54:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:54:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.813	8612576	7342515	4.471m	5.009
2)	SA Decachlor...	10.236	8.850	6643627	4341119	4.560	4.865
	Target Compounds						
26)	L6 AR-1254-1	6.520	5.703	3787970	5045448	46.222	55.202
27)	L6 AR-1254-2	6.735	5.852	5933913	4378664	46.696	55.629
28)	L6 AR-1254-3	7.099	6.255	5851823	6211772	45.798	52.416
29)	L6 AR-1254-4	7.382	6.484	5633281	4095094	47.937	53.069
30)	L6 AR-1254-5	7.798	6.901	4819584	5346230	44.737	52.689

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:11
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

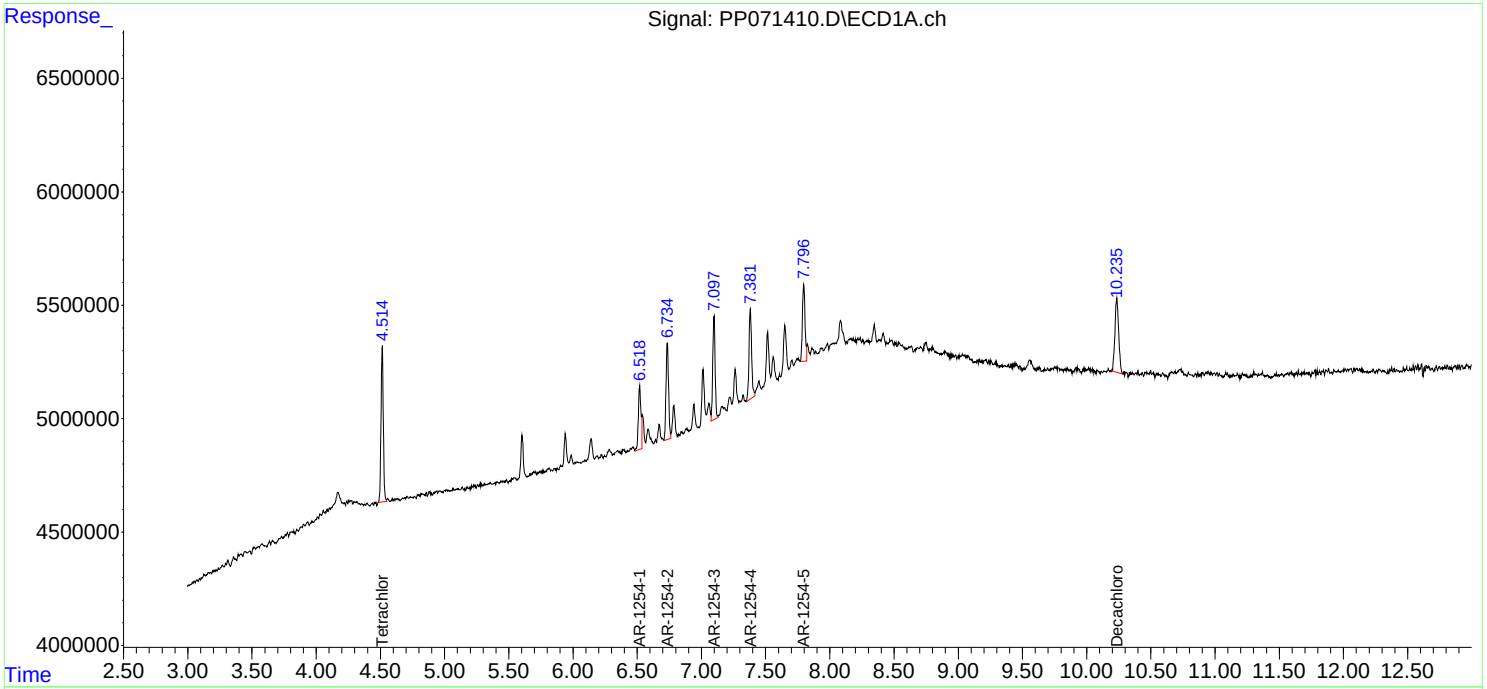
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

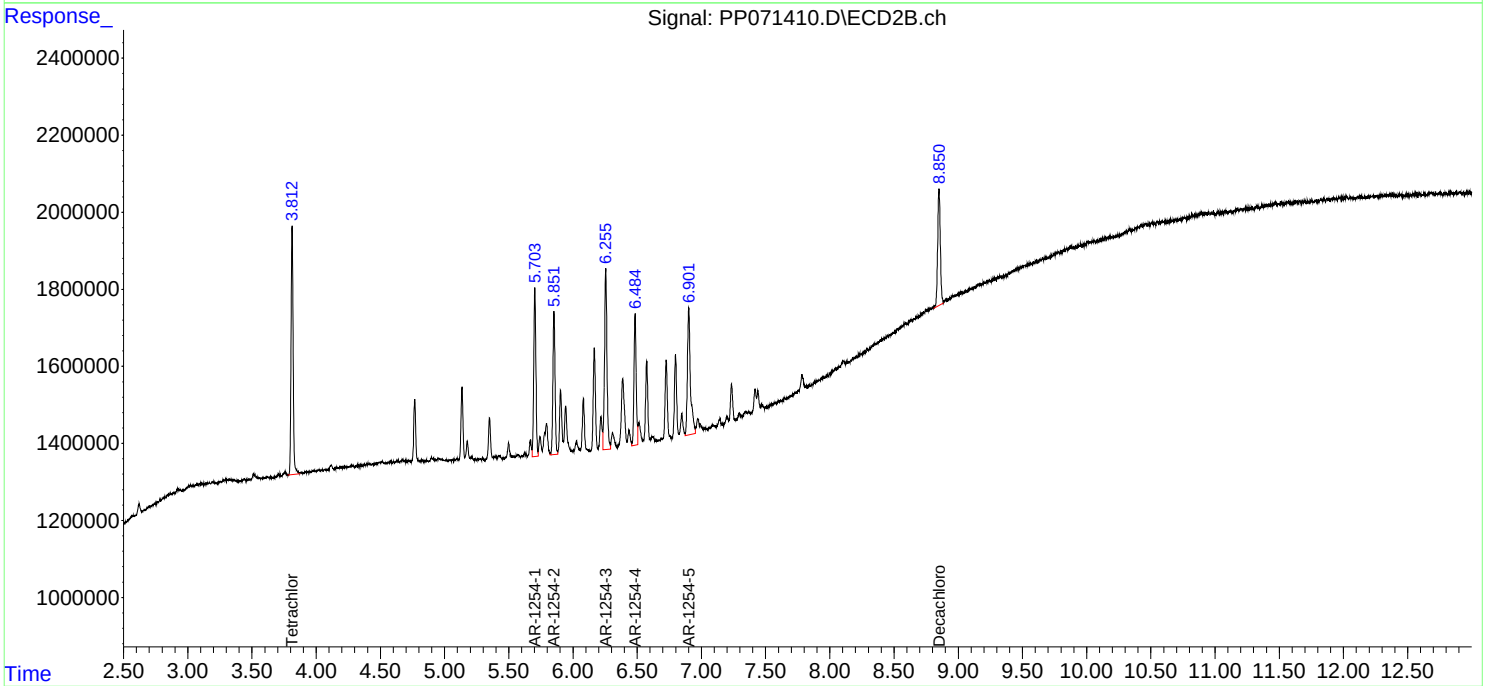
Manual Integrations APPROVED

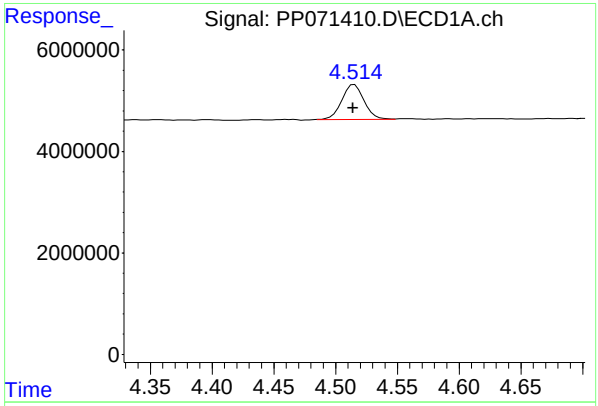
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 16:54:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:54:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







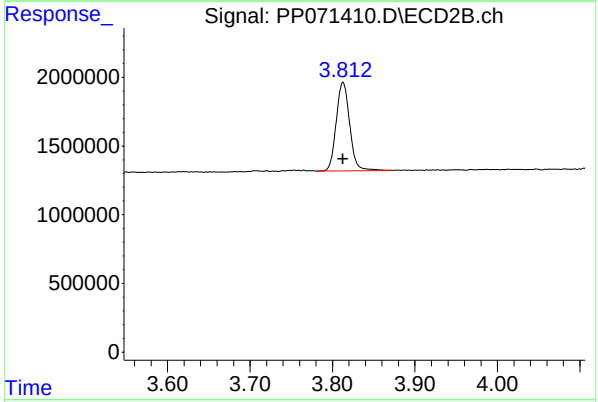
#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 8612576
Conc: 4.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

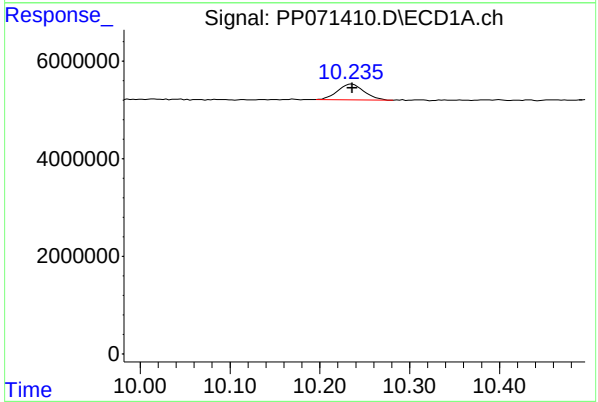
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



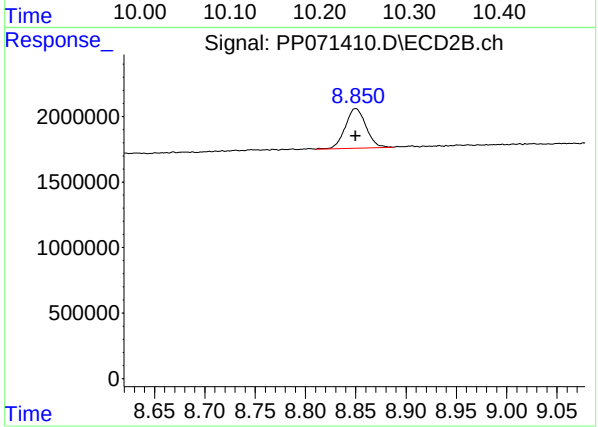
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 7342515
Conc: 5.01 ng/ml



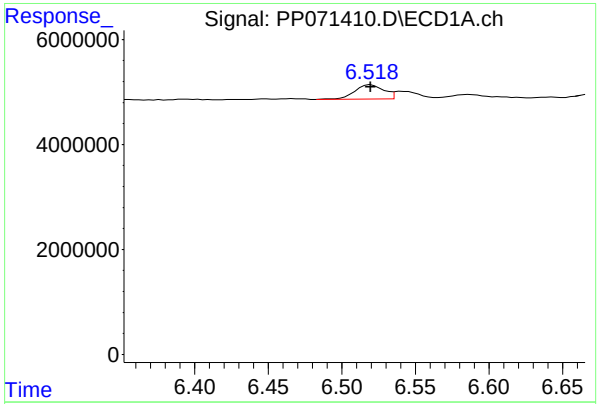
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 6643627
Conc: 4.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 4341119
Conc: 4.87 ng/ml



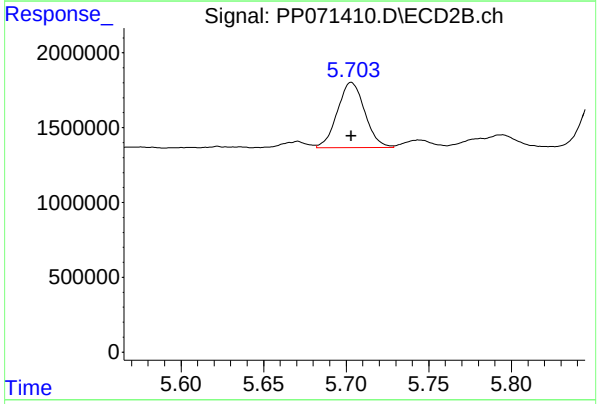
#26 AR-1254-1

R.T.: 6.520 min
Delta R.T.: 0.000 min
Response: 3787970
Conc: 46.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

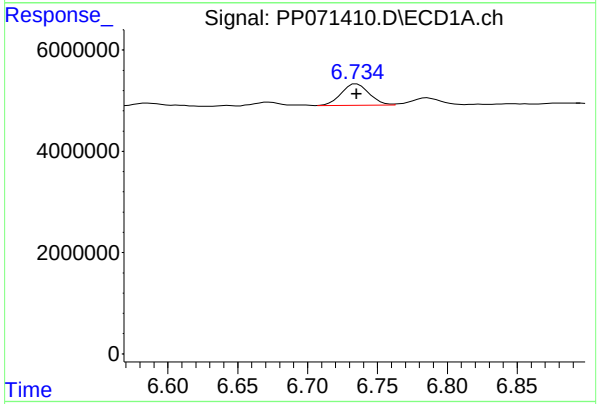
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



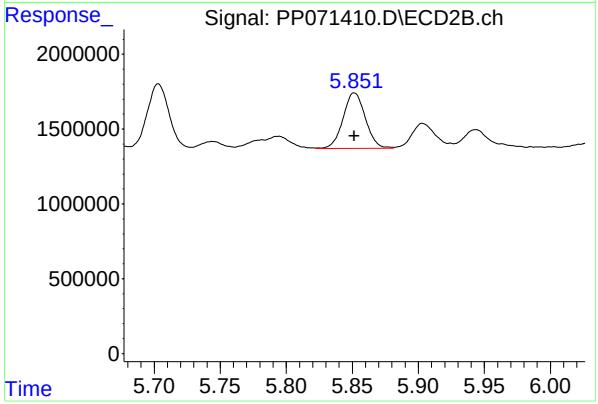
#26 AR-1254-1

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 5045448
Conc: 55.20 ng/ml



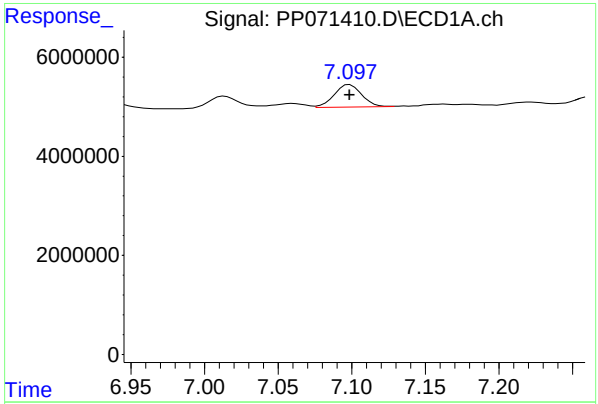
#27 AR-1254-2

R.T.: 6.735 min
Delta R.T.: 0.000 min
Response: 5933913
Conc: 46.70 ng/ml



#27 AR-1254-2

R.T.: 5.852 min
Delta R.T.: 0.000 min
Response: 4378664
Conc: 55.63 ng/ml



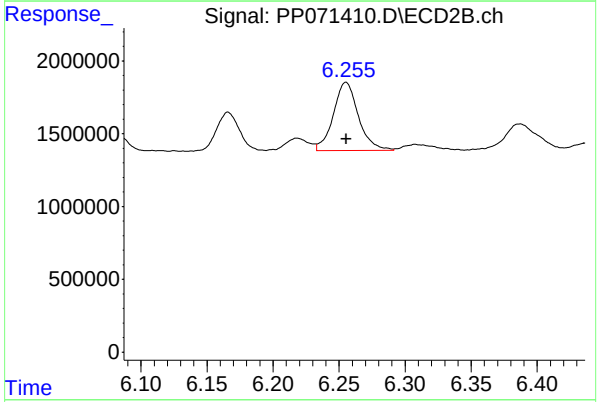
#28 AR-1254-3

R.T.: 7.099 min
Delta R.T.: 0.000 min
Response: 5851823
Conc: 45.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

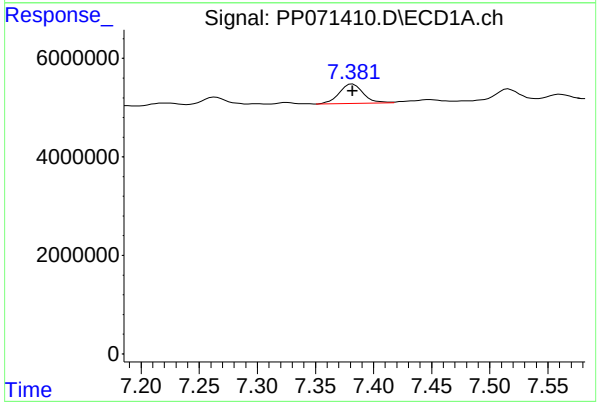
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



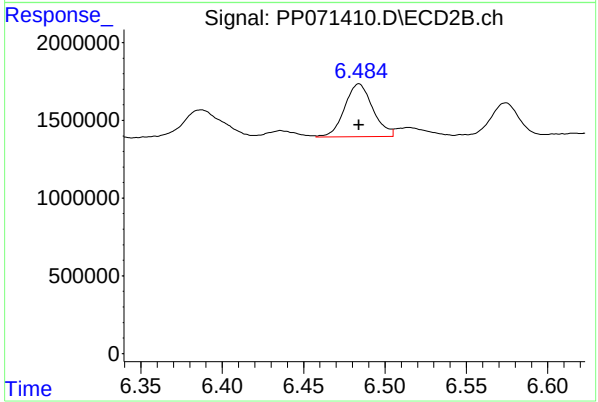
#28 AR-1254-3

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 6211772
Conc: 52.42 ng/ml



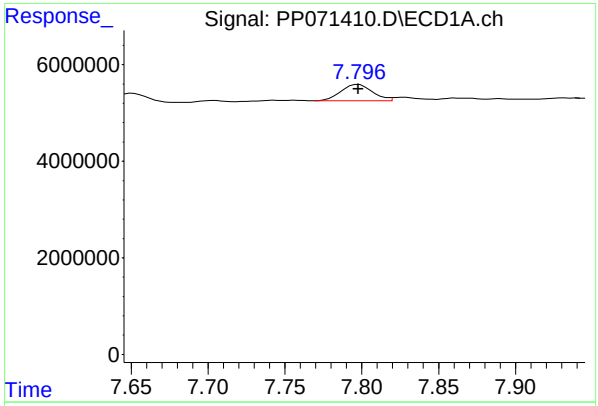
#29 AR-1254-4

R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 5633281
Conc: 47.94 ng/ml



#29 AR-1254-4

R.T.: 6.484 min
Delta R.T.: 0.000 min
Response: 4095094
Conc: 53.07 ng/ml



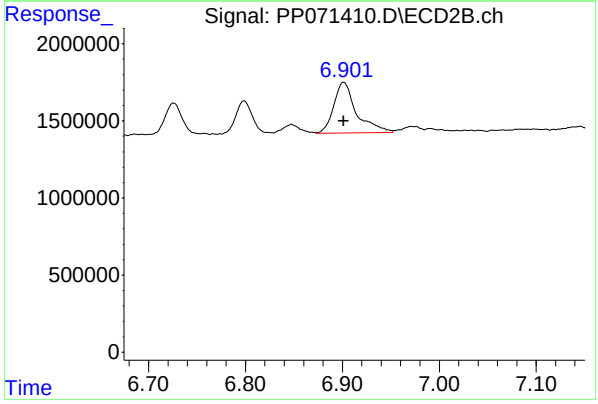
#30 AR-1254-5

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 4819584
Conc: 44.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



#30 AR-1254-5

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 5346230
Conc: 52.69 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:27
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: Apr 22 17:08:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.813	98220466	71170259	50.000	50.000
2)	SA Decachlor...	10.235	8.850	74643123	44870081	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.100	6.939	72245642	56806132	500.000	500.000
37)	L8 AR-1262-2	8.420	7.198	137.1E6	46169678	500.000	500.000
38)	L8 AR-1262-3	8.737	7.721	91438860	37847231	500.000	500.000
39)	L8 AR-1262-4	8.822	7.786	67105487	62412938	500.000	500.000
40)	L8 AR-1262-5	9.478	8.286	44080983	27746588	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

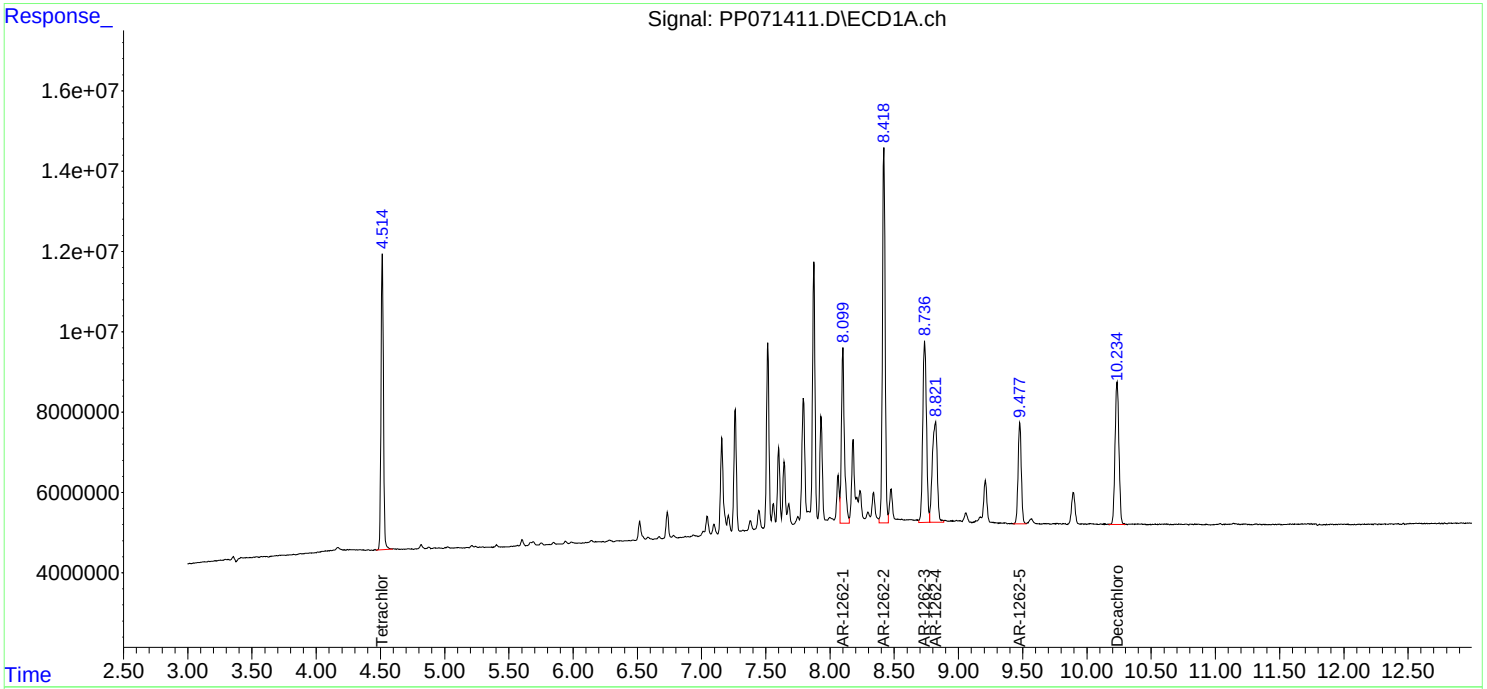
ICAL Form

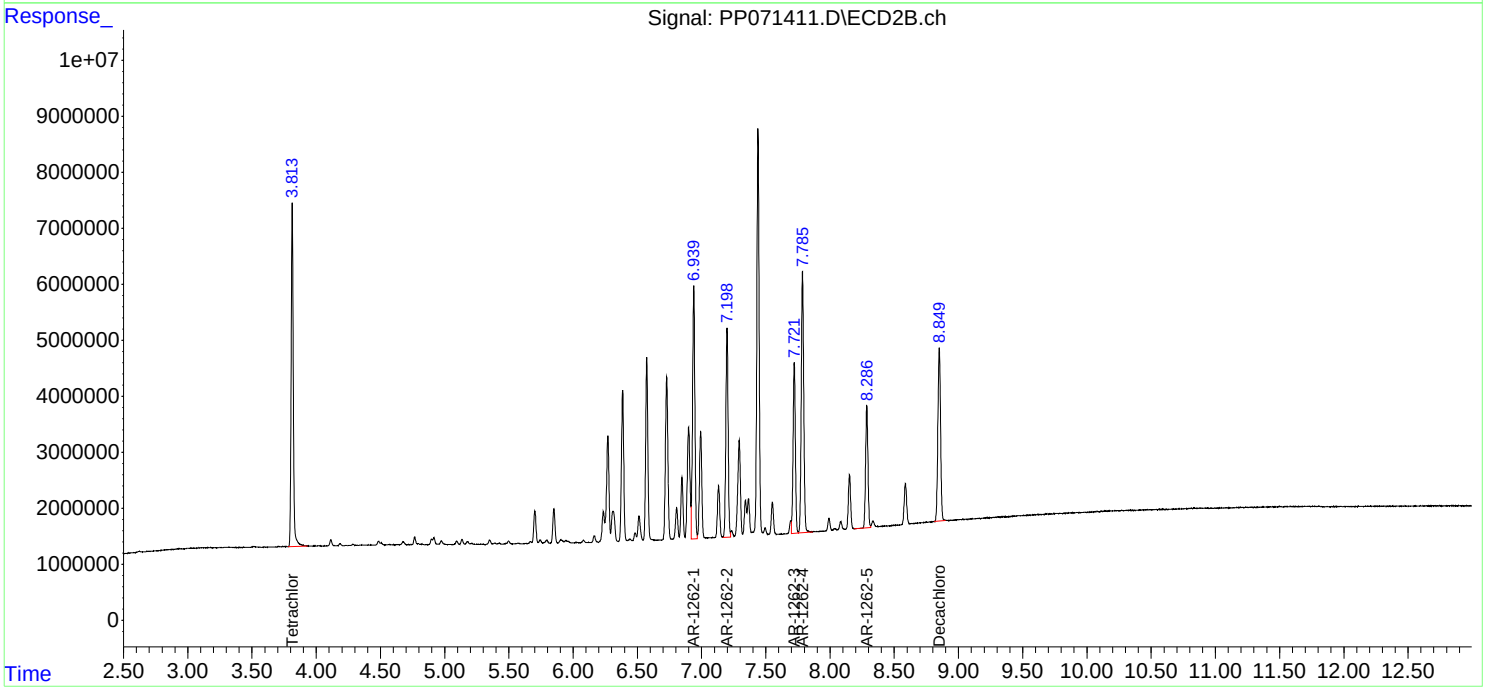
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:27
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

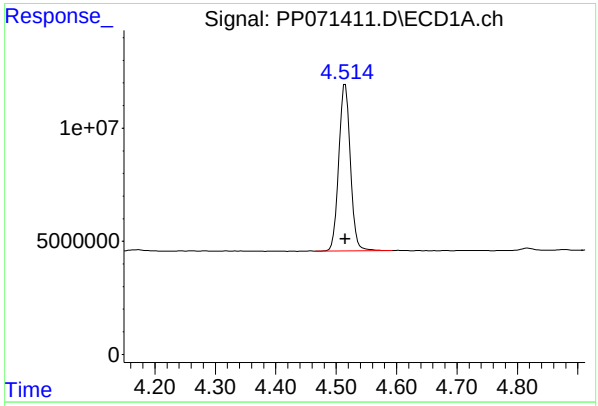
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 17:08:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



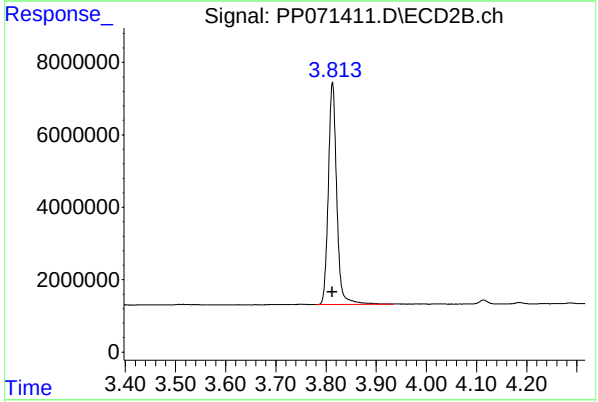




#1 Tetrachloro-m-xylene

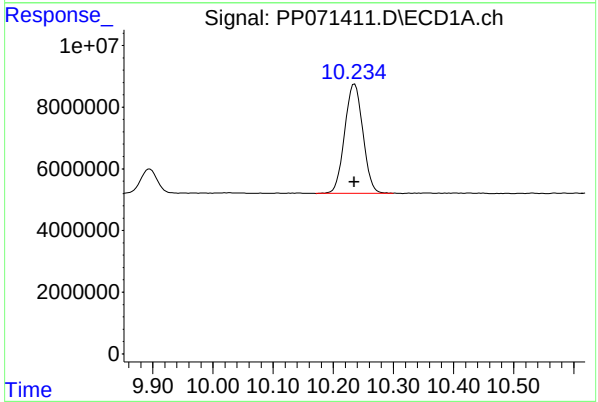
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 98220466
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



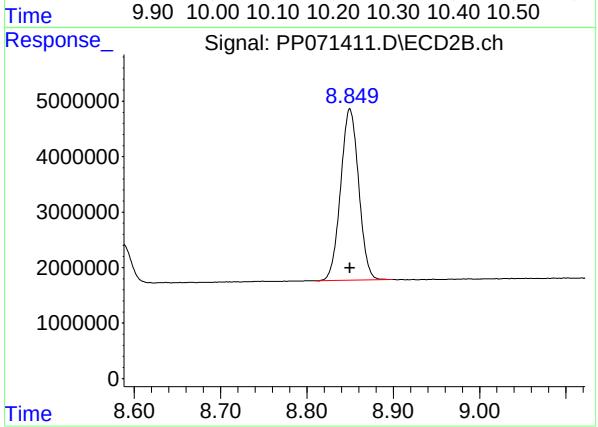
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 71170259
Conc: 50.00 ng/ml



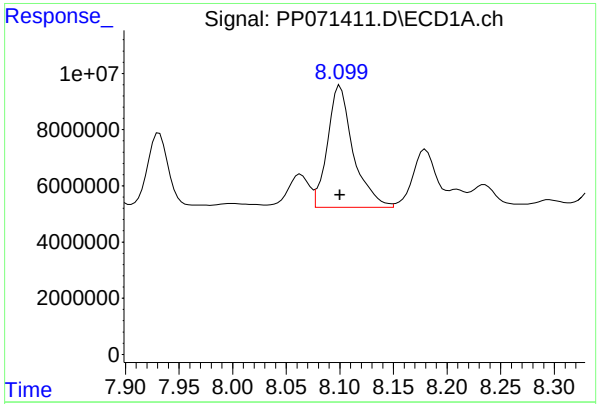
#2 Decachlorobiphenyl

R.T.: 10.235 min
Delta R.T.: 0.000 min
Response: 74643123
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

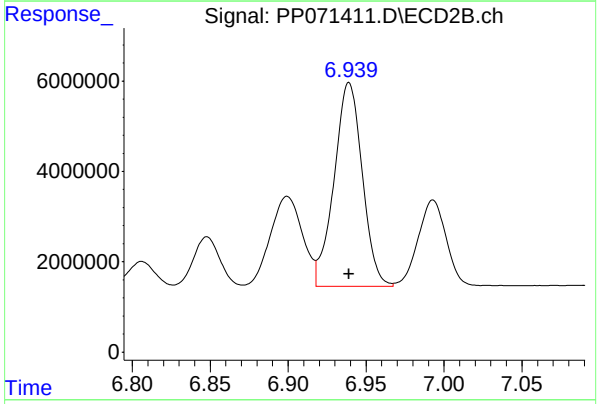
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 44870081
Conc: 50.00 ng/ml



#36 AR-1262-1

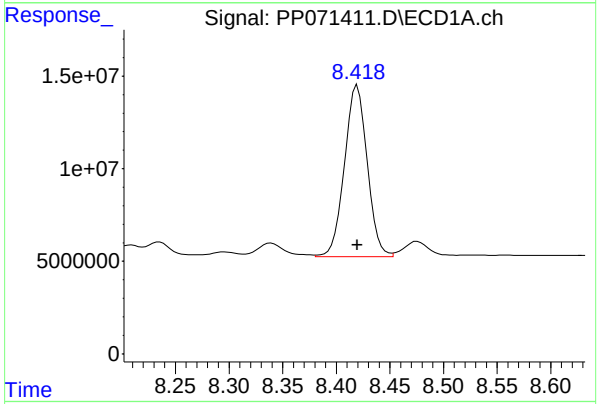
R.T.: 8.100 min
Delta R.T.: 0.000 min
Response: 72245642
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



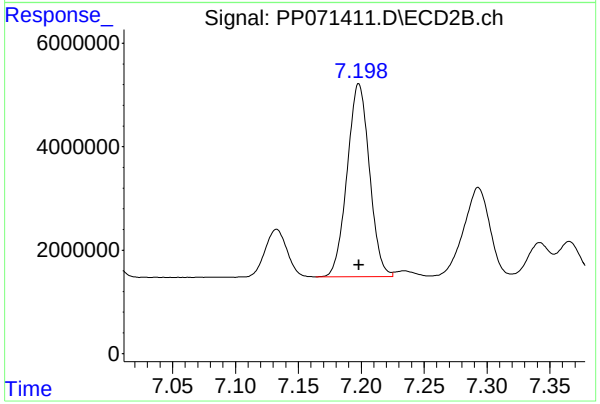
#36 AR-1262-1

R.T.: 6.939 min
Delta R.T.: 0.000 min
Response: 56806132
Conc: 500.00 ng/ml



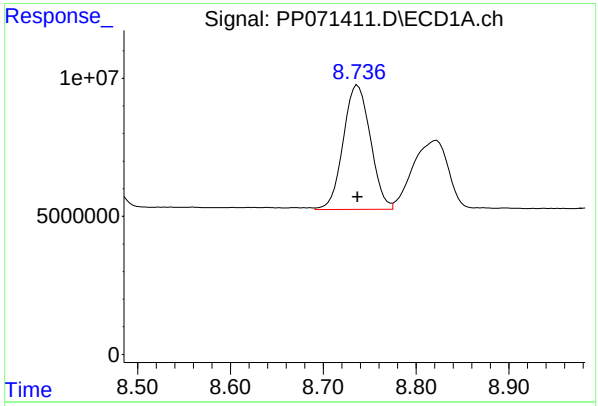
#37 AR-1262-2

R.T.: 8.420 min
Delta R.T.: 0.000 min
Response: 137093050
Conc: 500.00 ng/ml



#37 AR-1262-2

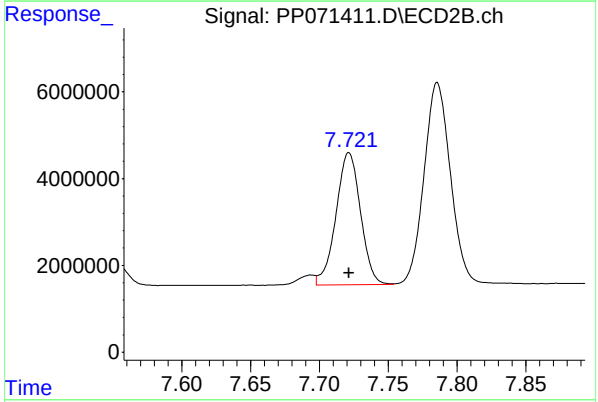
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 46169678
Conc: 500.00 ng/ml



#38 AR-1262-3

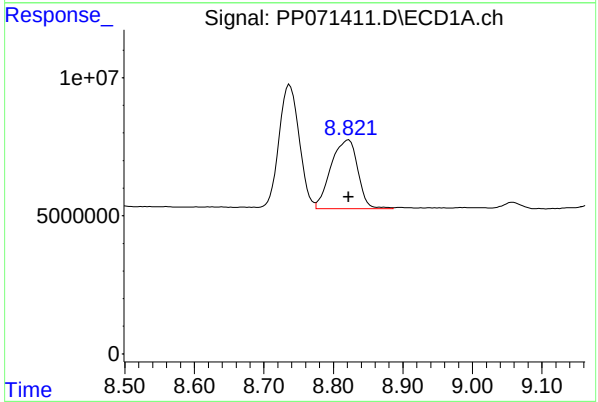
R.T.: 8.737 min
Delta R.T.: 0.000 min
Response: 91438860
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



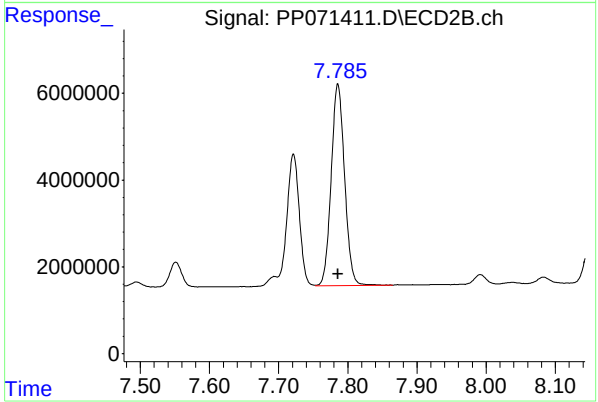
#38 AR-1262-3

R.T.: 7.721 min
Delta R.T.: 0.000 min
Response: 37847231
Conc: 500.00 ng/ml



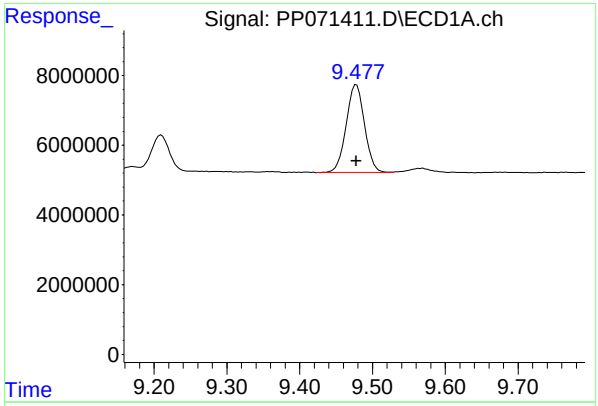
#39 AR-1262-4

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 67105487
Conc: 500.00 ng/ml



#39 AR-1262-4

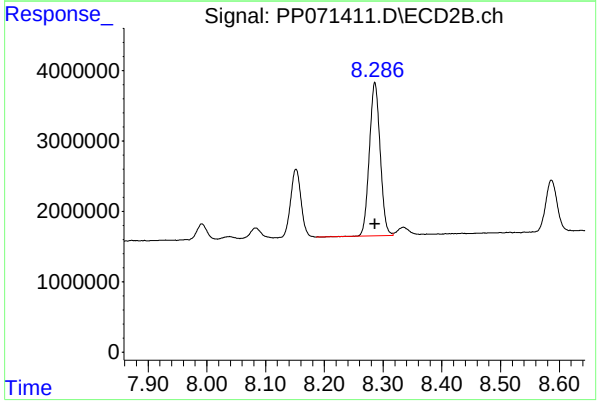
R.T.: 7.786 min
Delta R.T.: 0.000 min
Response: 62412938
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.478 min
Delta R.T.: 0.000 min
Response: 44080983
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.286 min
Delta R.T.: 0.000 min
Response: 27746588
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:44
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:44:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.812	188.4E6	147.6E6	95.054	100.837
2)	SA Decachlor...	10.235	8.850	248.7E6	149.9E6	93.152	93.528
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	299.6E6	181.9E6	936.979	895.922m
42)	L9 AR-1268-2	8.826	7.788	251.1E6	154.8E6	937.116	896.075
43)	L9 AR-1268-3	9.058	7.993	211.9E6	128.5E6	940.656	898.014
44)	L9 AR-1268-4	9.477	8.287	93231632	56964280	941.667	896.773
45)	L9 AR-1268-5	9.894	8.588	590.1E6	367.0E6	950.117	952.869

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:44
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

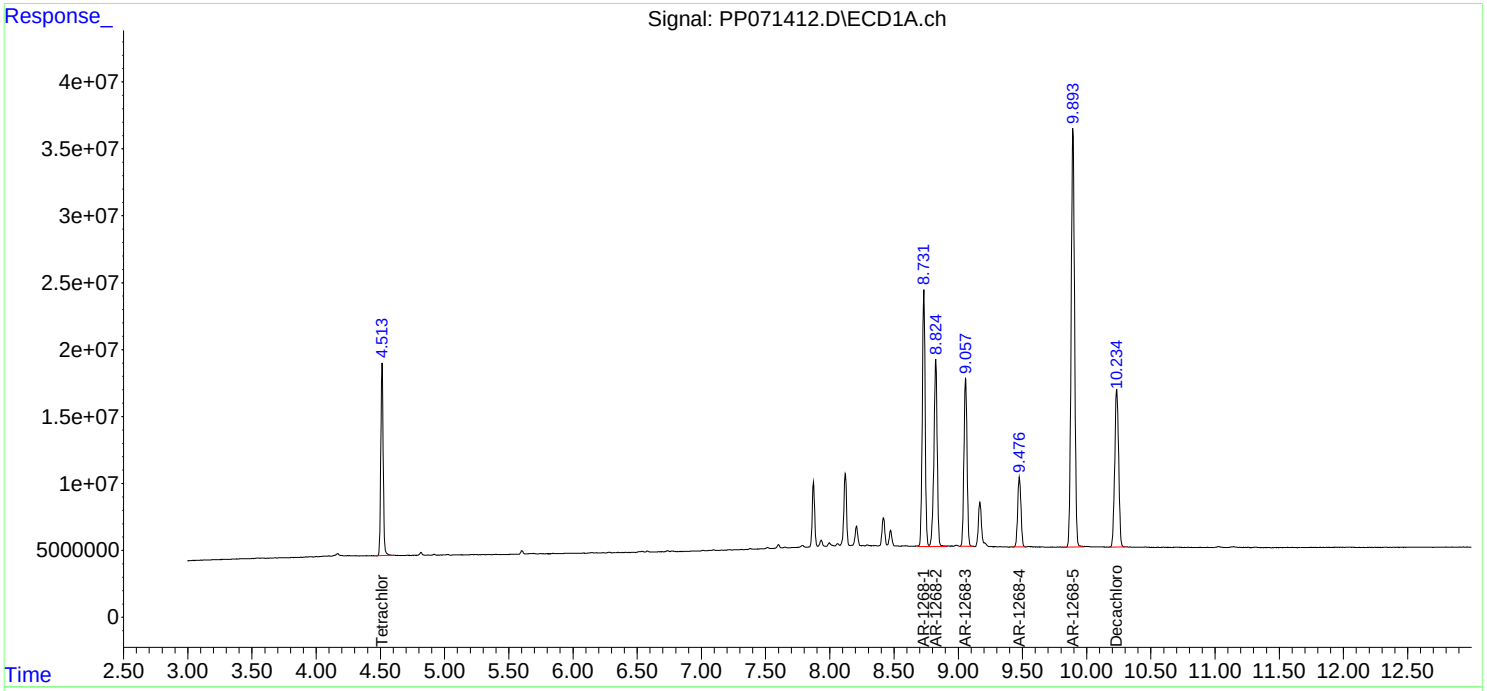
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

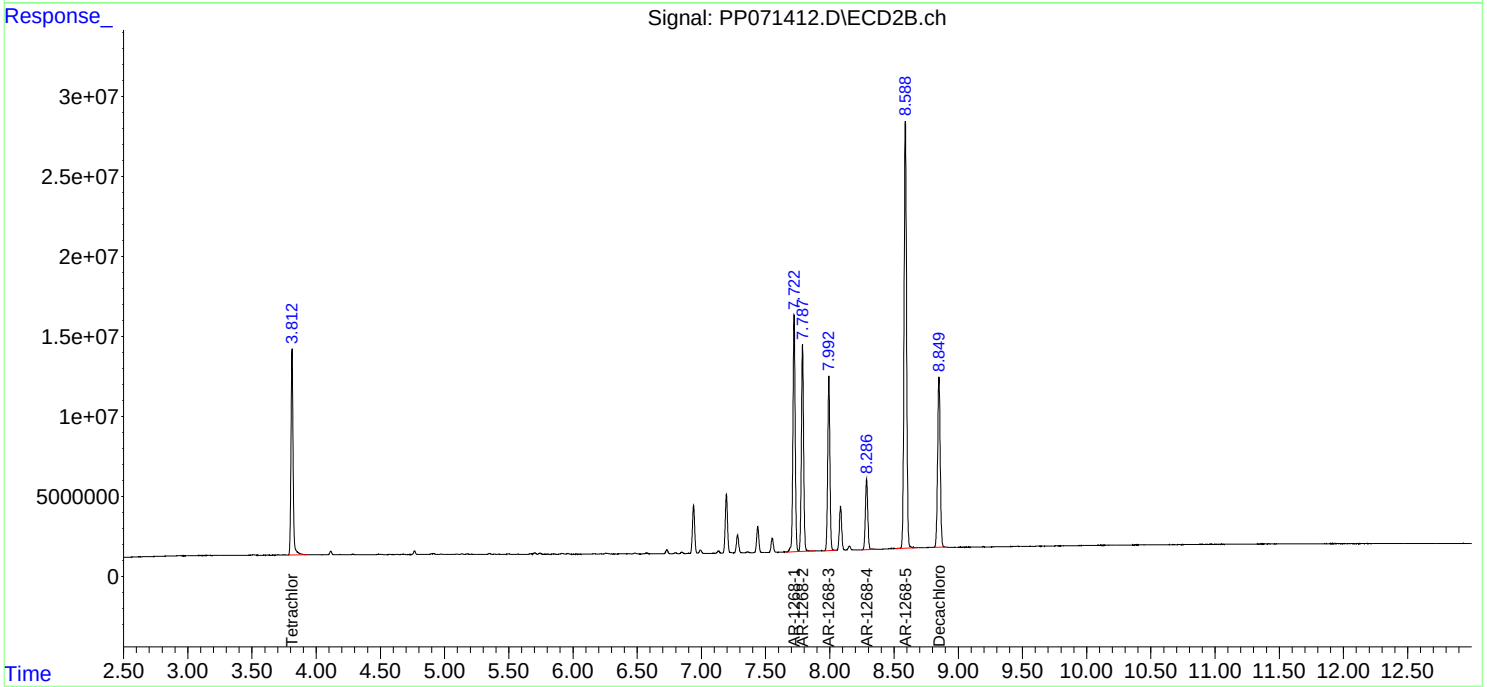
Manual Integrations APPROVED

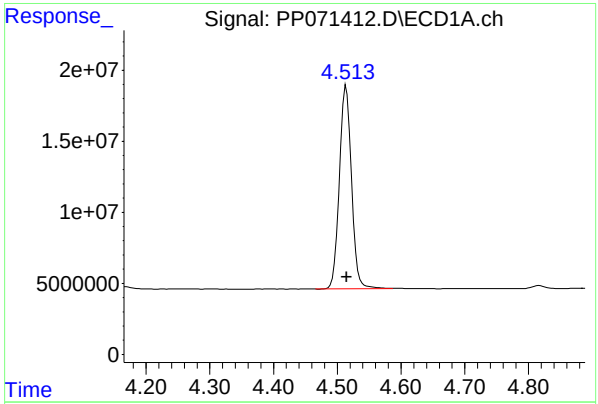
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:44:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







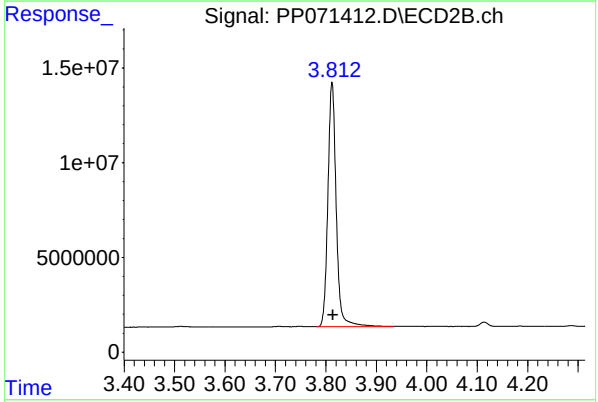
#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: -0.001 min
Response: 188397795
Conc: 95.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

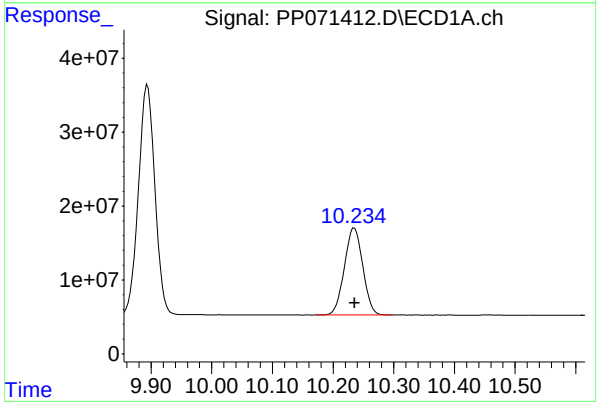
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



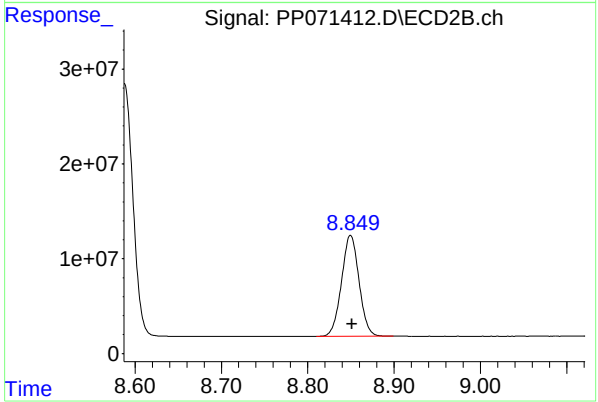
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: -0.002 min
Response: 147647099
Conc: 100.84 ng/ml



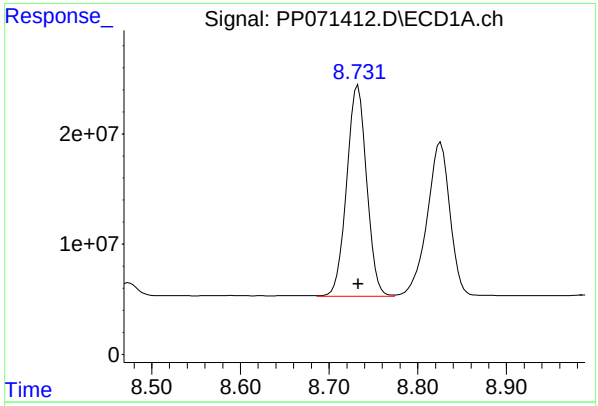
#2 Decachlorobiphenyl

R.T.: 10.235 min
Delta R.T.: 0.000 min
Response: 248662366
Conc: 93.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.850 min
Delta R.T.: -0.001 min
Response: 149905120
Conc: 93.53 ng/ml



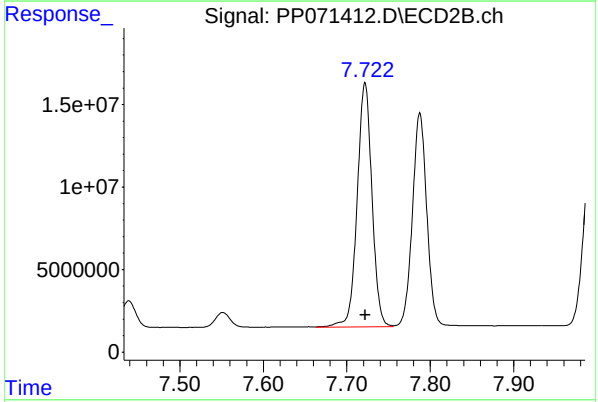
#41 AR-1268-1

R.T.: 8.733 min
Delta R.T.: 0.000 mi
Response: 299594266
Conc: 936.98 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

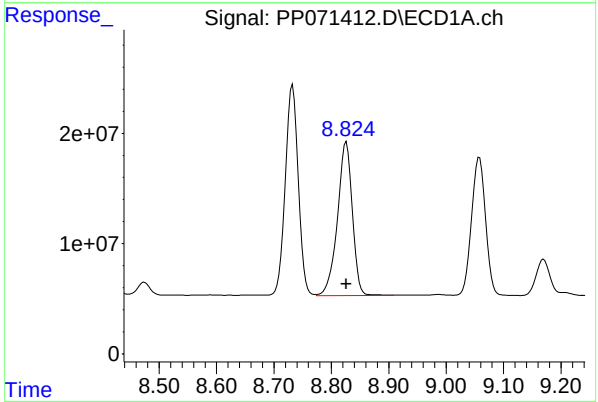
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



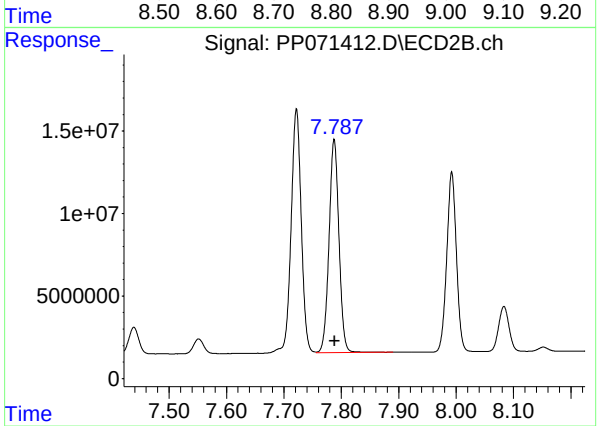
#41 AR-1268-1

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 181860271
Conc: 895.92 ng/ml m



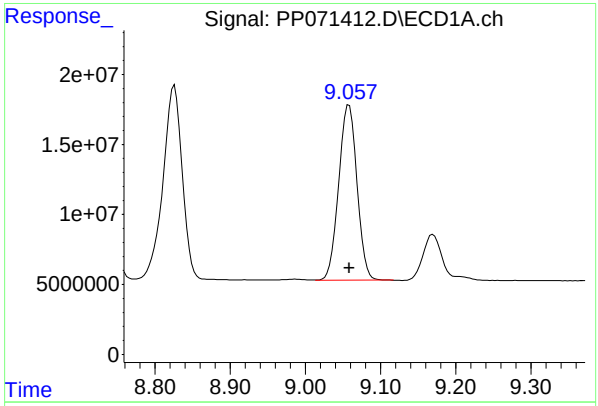
#42 AR-1268-2

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 251109850
Conc: 937.12 ng/ml



#42 AR-1268-2

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 154801411
Conc: 896.07 ng/ml



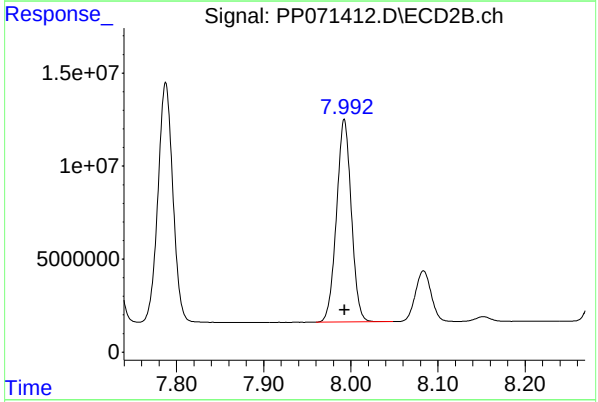
#43 AR-1268-3

R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 211915080
Conc: 940.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

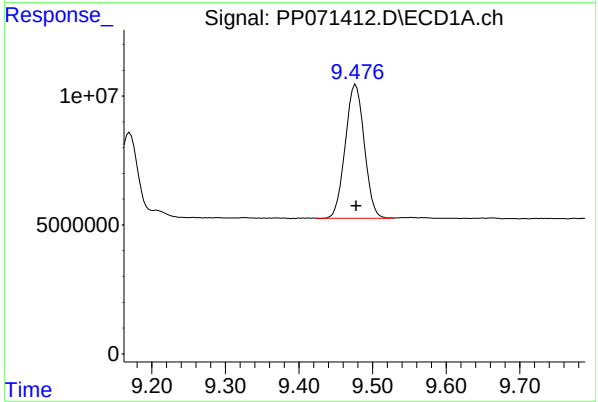
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



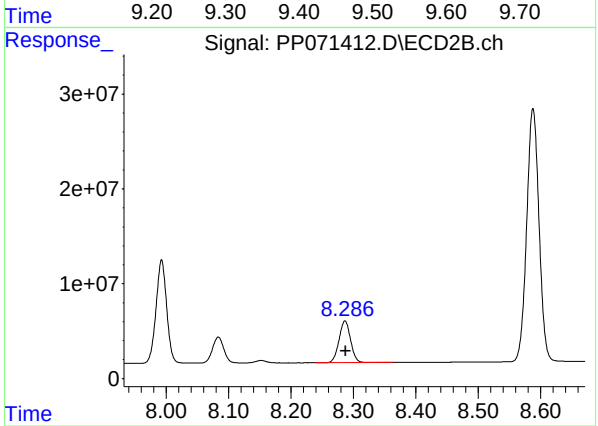
#43 AR-1268-3

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 128491160
Conc: 898.01 ng/ml



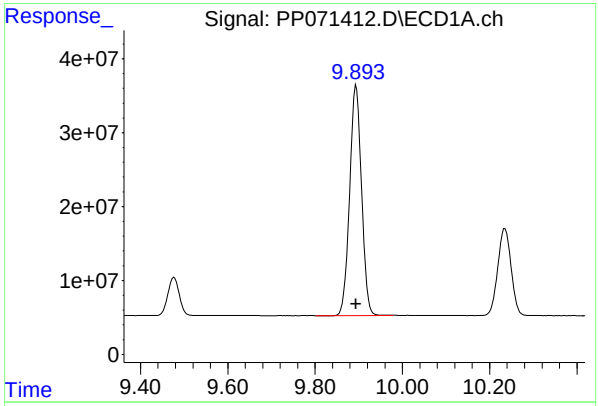
#44 AR-1268-4

R.T.: 9.477 min
Delta R.T.: 0.000 min
Response: 93231632
Conc: 941.67 ng/ml



#44 AR-1268-4

R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 56964280
Conc: 896.77 ng/ml



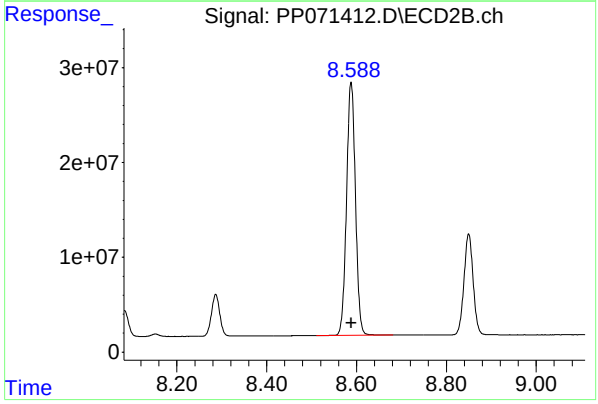
#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 590082071
Conc: 950.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



#45 AR-1268-5

R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 367021219
Conc: 952.87 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:00
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:45:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.813	144.9E6	108.4E6	73.091	74.065
2)	SA Decachlor...	10.234	8.849	191.8E6	116.0E6	71.833	72.344
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.721	231.8E6	141.3E6	725.026	696.327m
42)	L9 AR-1268-2	8.826	7.787	194.3E6	119.6E6	725.052	692.534
43)	L9 AR-1268-3	9.058	7.991	163.8E6	99816904	726.929	697.612
44)	L9 AR-1268-4	9.476	8.285	72323269	44771879	730.486	704.831
45)	L9 AR-1268-5	9.894	8.587	452.8E6	283.3E6	729.082	735.437

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:00
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

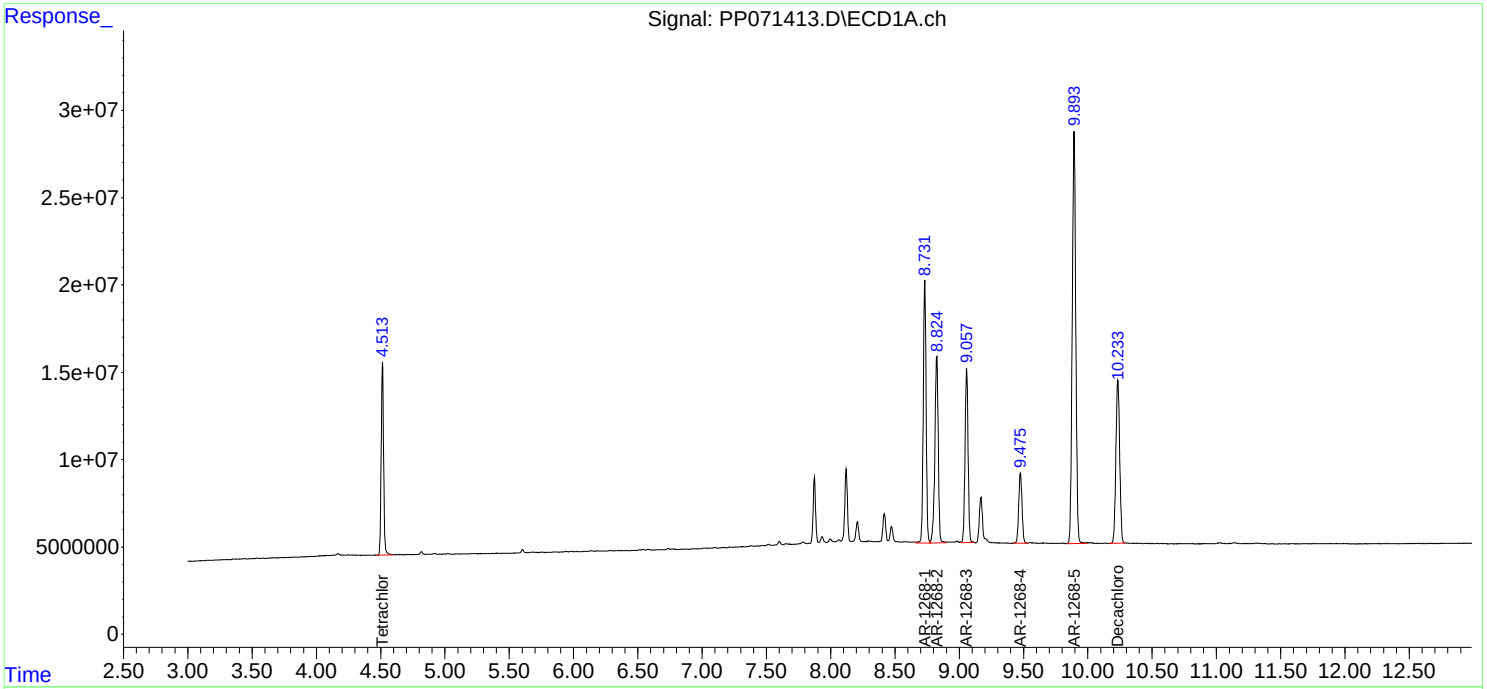
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

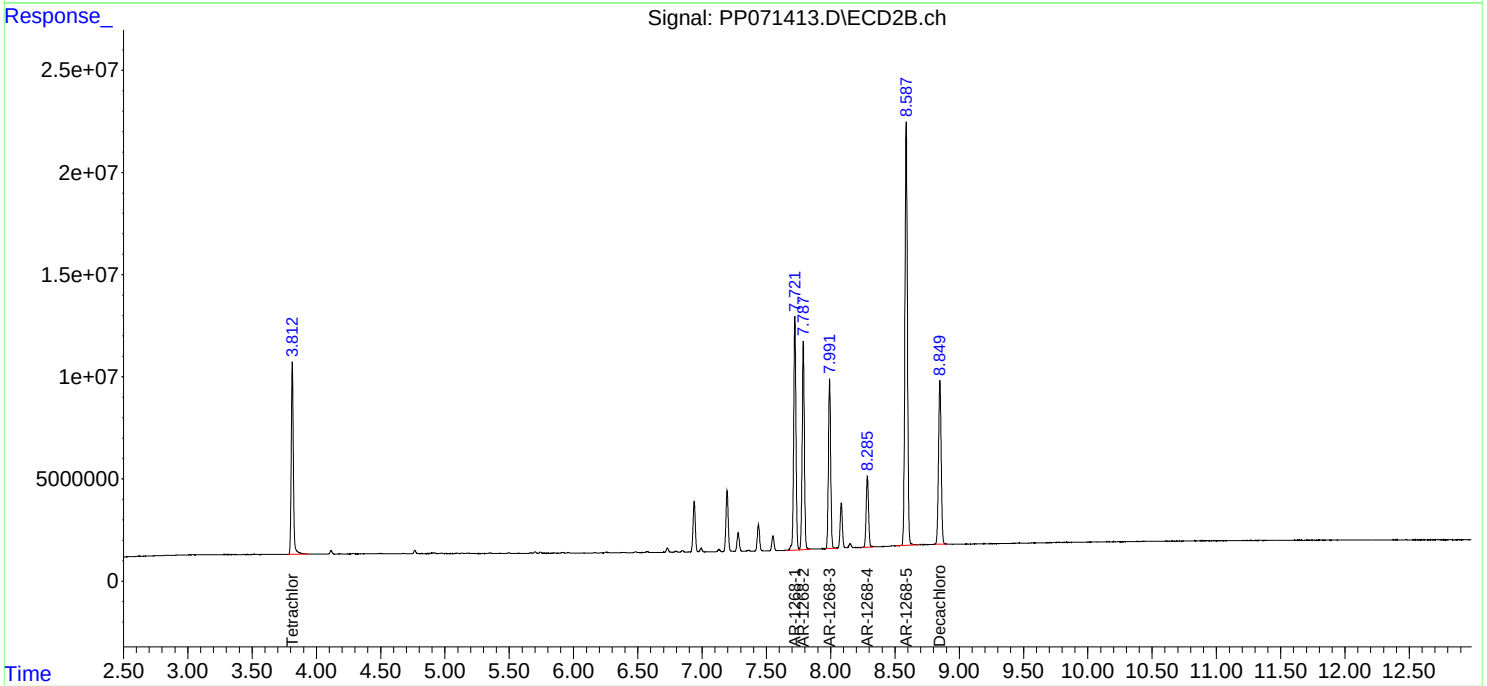
Manual Integrations APPROVED

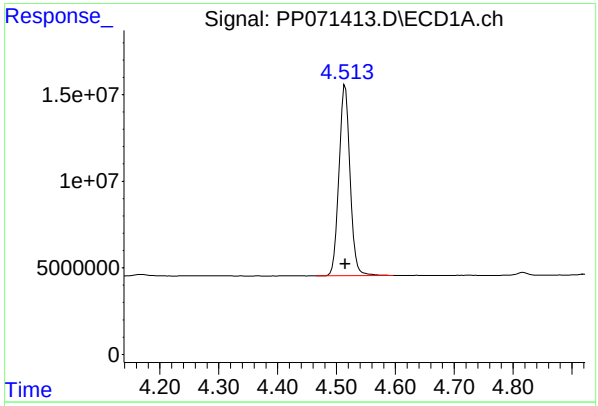
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:45:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







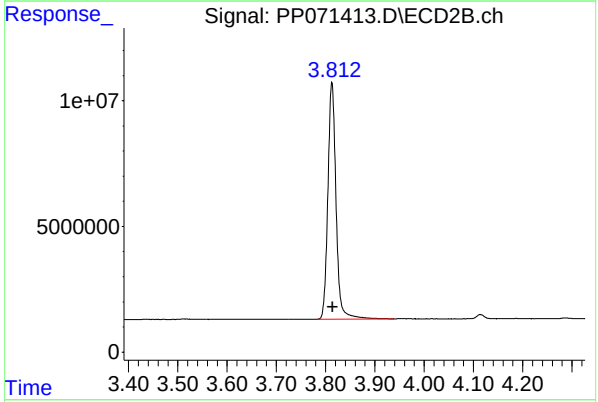
#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 144867571
Conc: 73.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

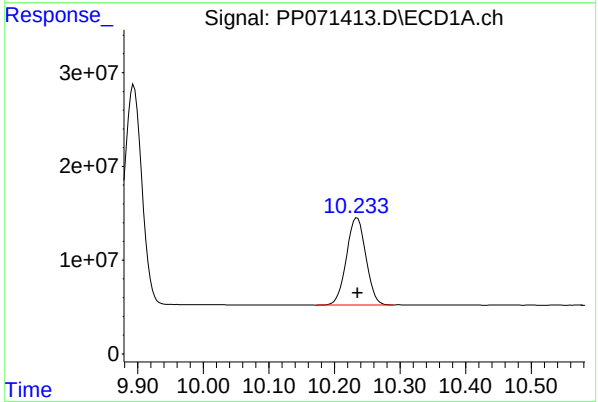
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



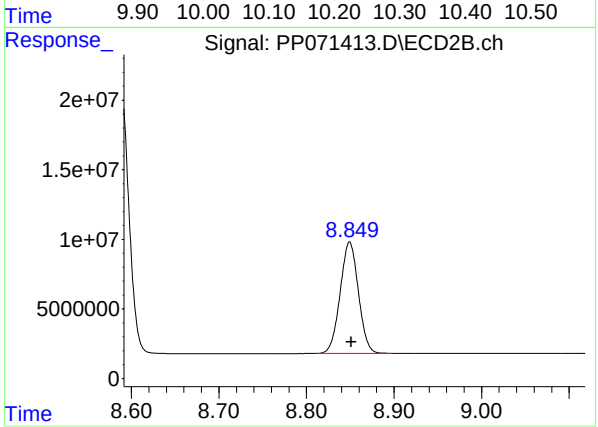
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: -0.001 min
Response: 108446461
Conc: 74.06 ng/ml



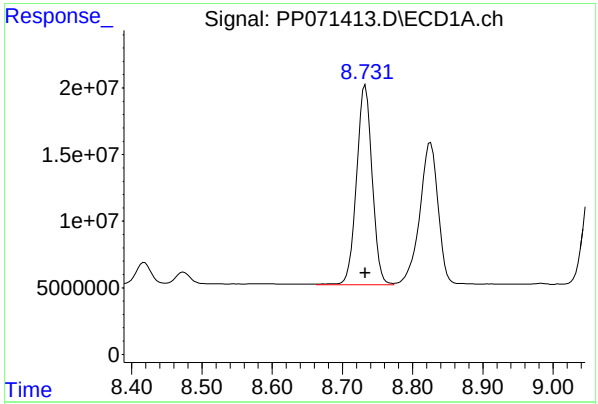
#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: -0.001 min
Response: 191753222
Conc: 71.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 115953007
Conc: 72.34 ng/ml



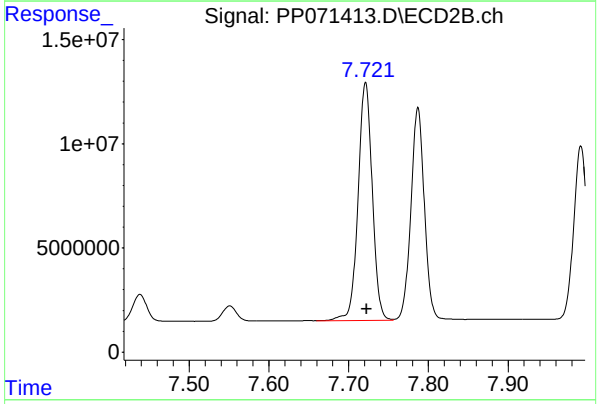
#41 AR-1268-1

R.T.: 8.733 min
Delta R.T.: 0.000 mi
Response: 231823386
Conc: 725.03 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

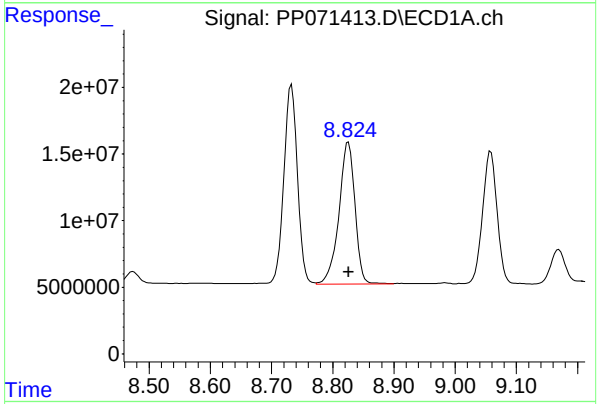
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



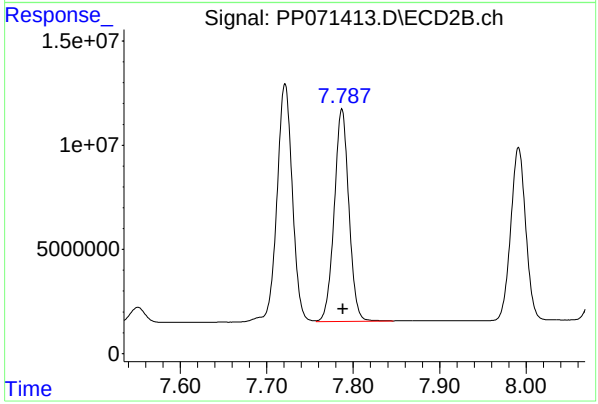
#41 AR-1268-1

R.T.: 7.721 min
Delta R.T.: -0.002 min
Response: 141345145
Conc: 696.33 ng/ml m



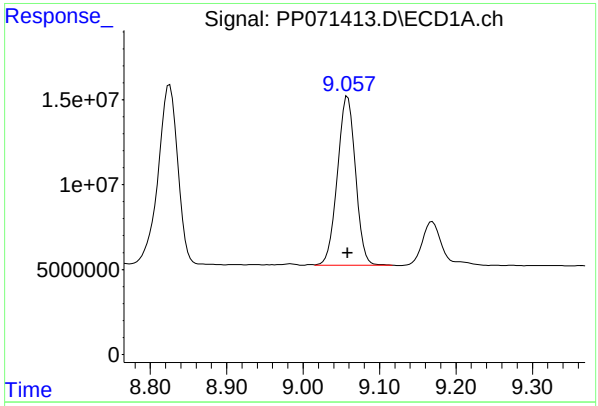
#42 AR-1268-2

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 194285253
Conc: 725.05 ng/ml



#42 AR-1268-2

R.T.: 7.787 min
Delta R.T.: -0.001 min
Response: 119638783
Conc: 692.53 ng/ml



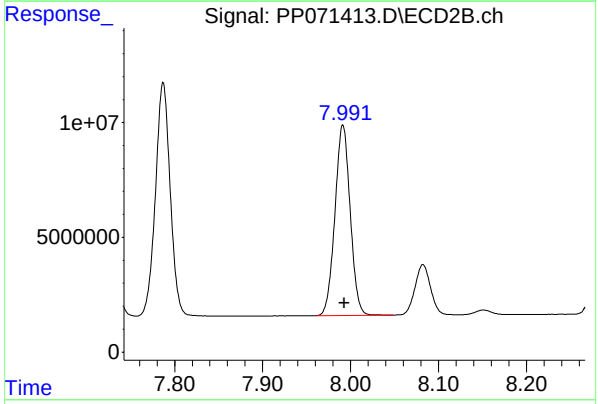
#43 AR-1268-3

R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 163765585
Conc: 726.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

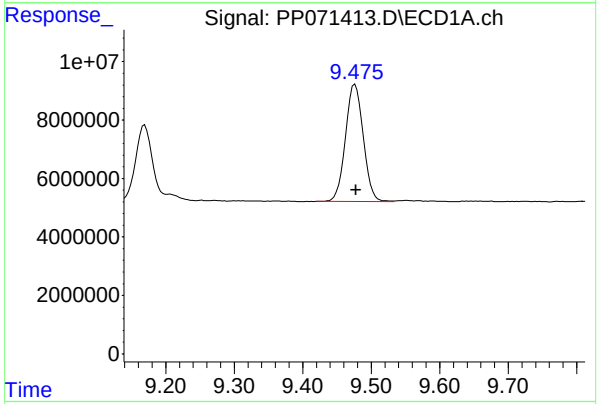
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



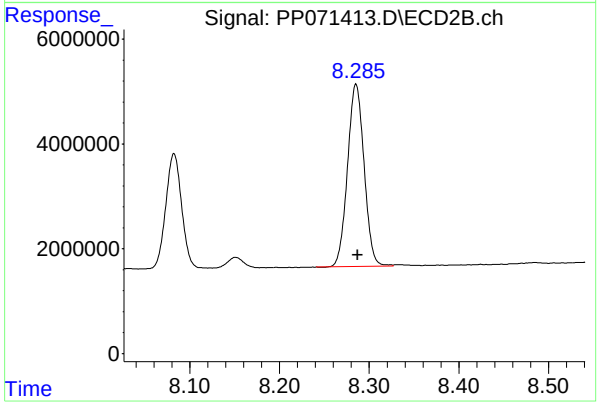
#43 AR-1268-3

R.T.: 7.991 min
Delta R.T.: -0.002 min
Response: 99816904
Conc: 697.61 ng/ml



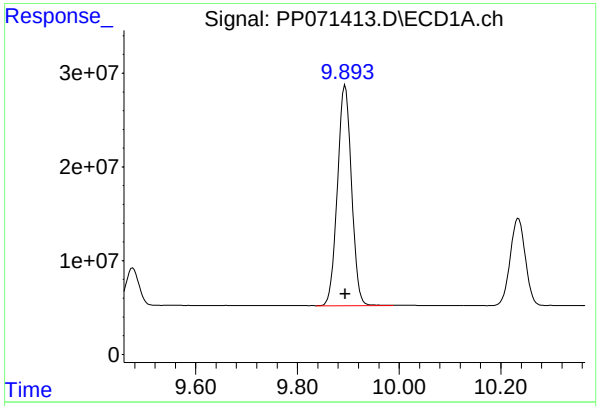
#44 AR-1268-4

R.T.: 9.476 min
Delta R.T.: -0.002 min
Response: 72323269
Conc: 730.49 ng/ml



#44 AR-1268-4

R.T.: 8.285 min
Delta R.T.: -0.002 min
Response: 44771879
Conc: 704.83 ng/ml



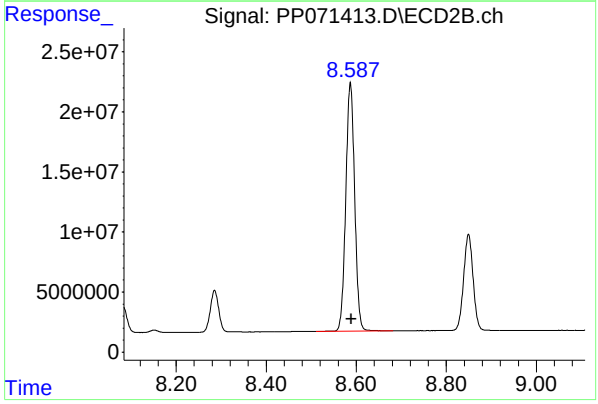
#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 mi
Response: 452805185
Conc: 729.08 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



#45 AR-1268-5

R.T.: 8.587 min
Delta R.T.: -0.002 min
Response: 283271897
Conc: 735.44 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:16
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:46:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.814	99100413	73210719	50.000	50.000
2)	SA Decachlor...	10.236	8.851	133.5E6	80139523	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	159.9E6	101.7E6	500.000	501.224m
42)	L9 AR-1268-2	8.826	7.788	134.0E6	86377504	500.000	500.000
43)	L9 AR-1268-3	9.059	7.993	112.6E6	71541846	500.000	500.000
44)	L9 AR-1268-4	9.478	8.287	49503520	31760699	500.000	500.000
45)	L9 AR-1268-5	9.894	8.589	310.5E6	192.6E6	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\PP042225\
Data File : PP071414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:16
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

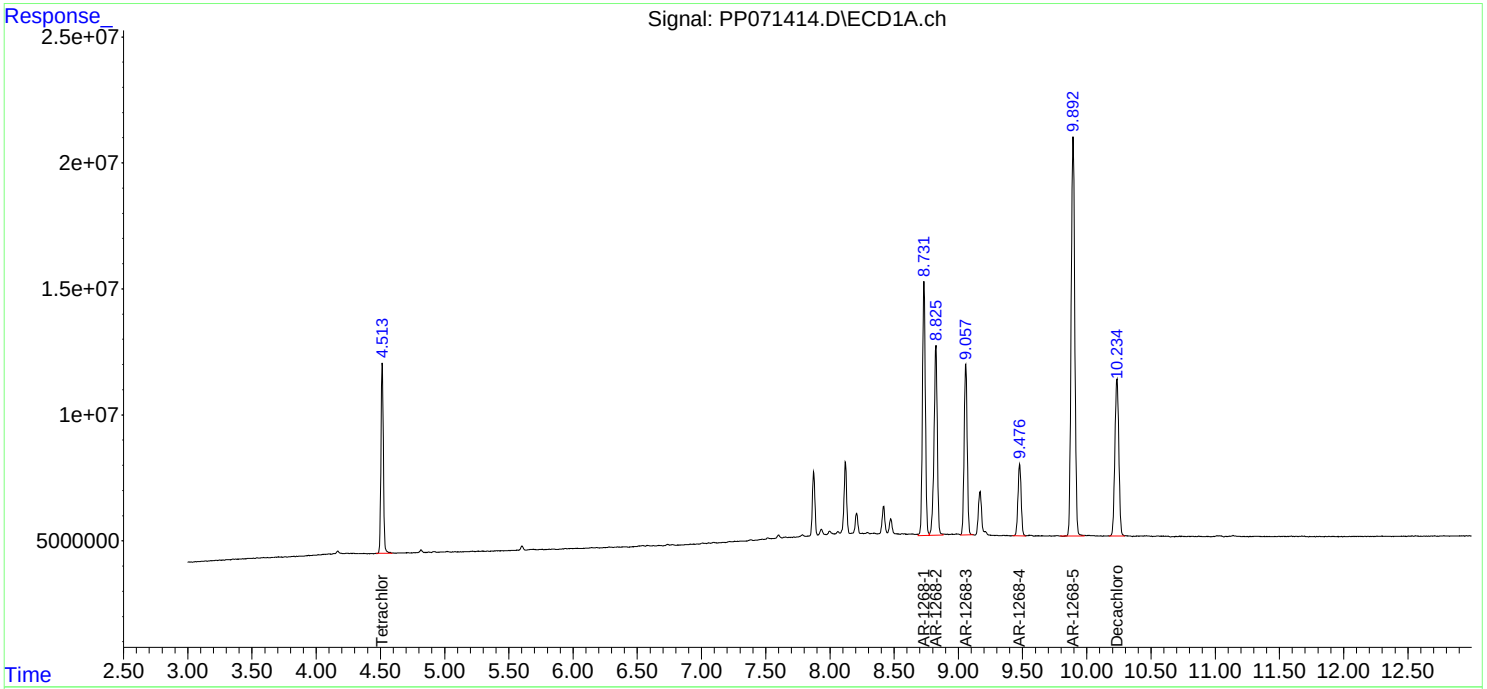
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

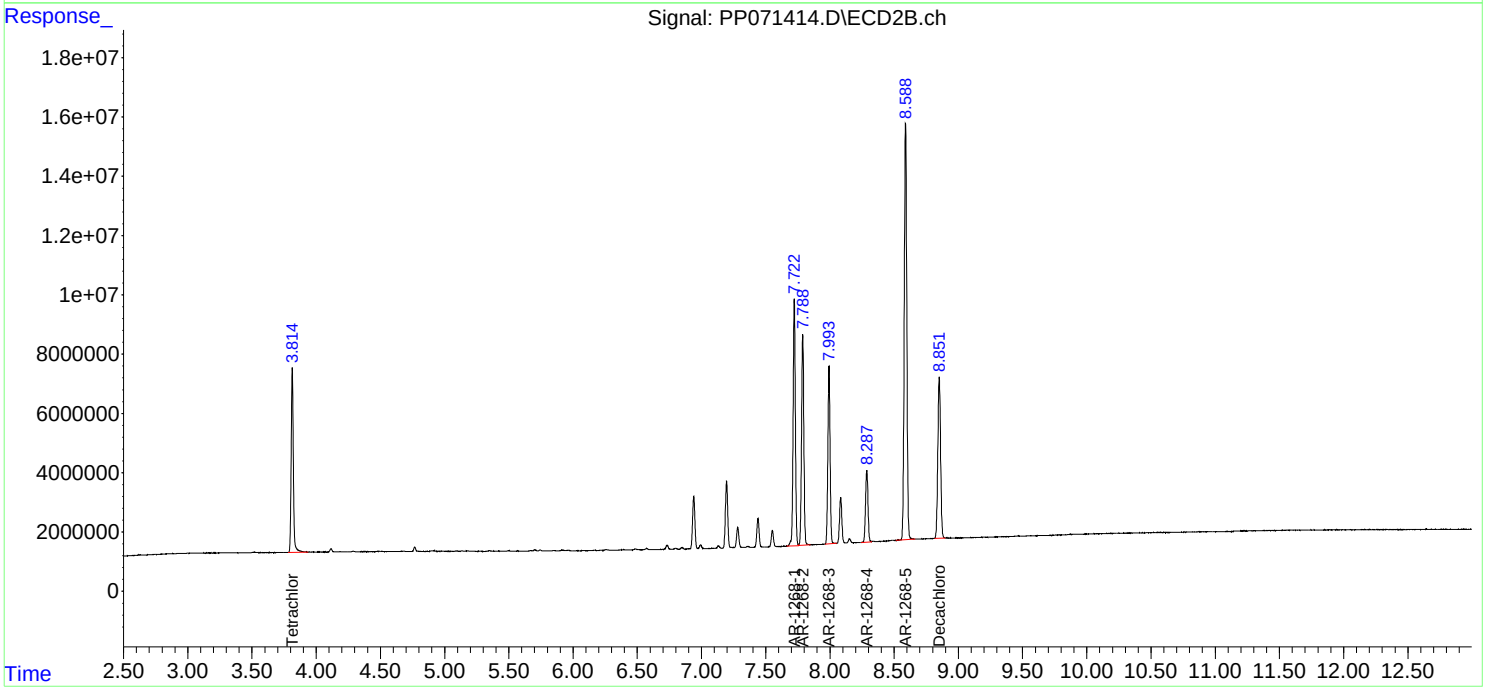
Manual Integrations APPROVED

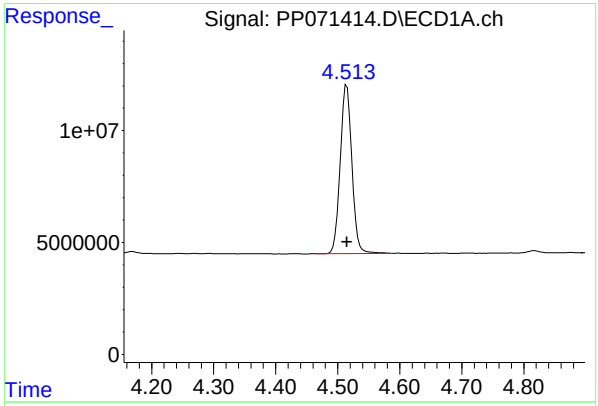
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:46:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







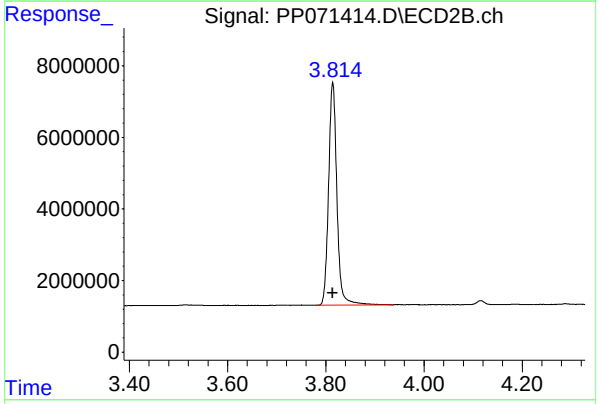
#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 99100413
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

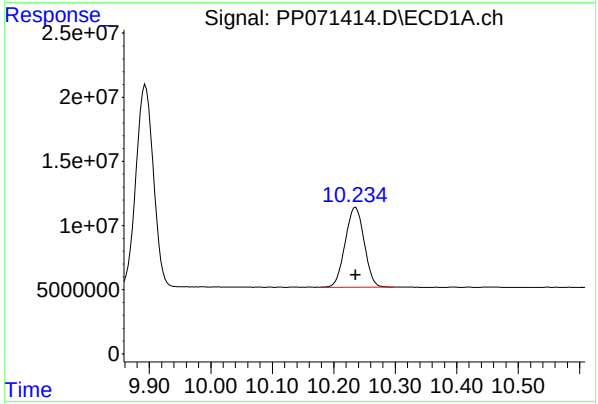
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



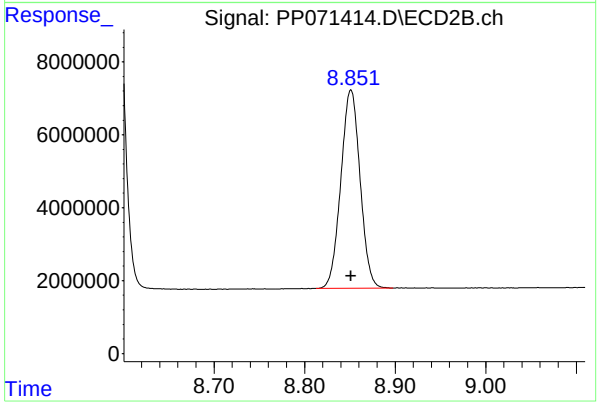
#1 Tetrachloro-m-xylene

R.T.: 3.814 min
Delta R.T.: 0.000 min
Response: 73210719
Conc: 50.00 ng/ml



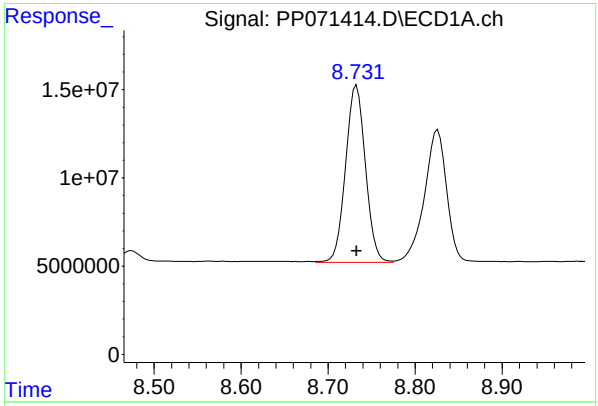
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 133470748
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 80139523
Conc: 50.00 ng/ml



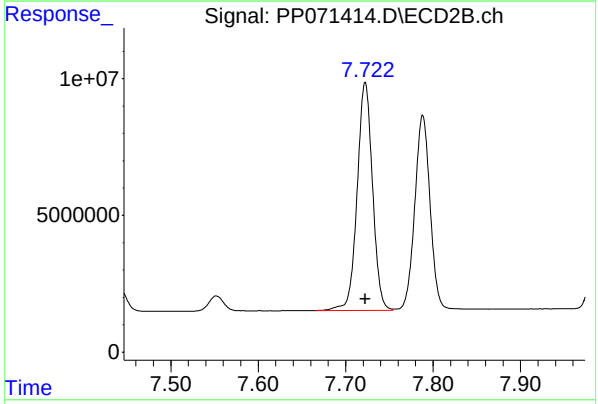
#41 AR-1268-1

R.T.: 8.733 min
Delta R.T.: 0.000 mi
Response: 159872402
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

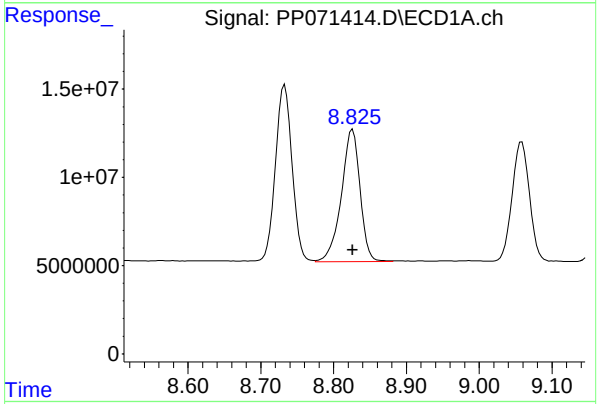
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



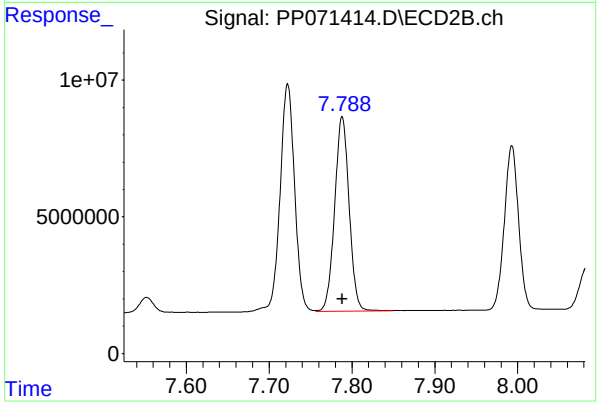
#41 AR-1268-1

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 101741890
Conc: 501.22 ng/ml m



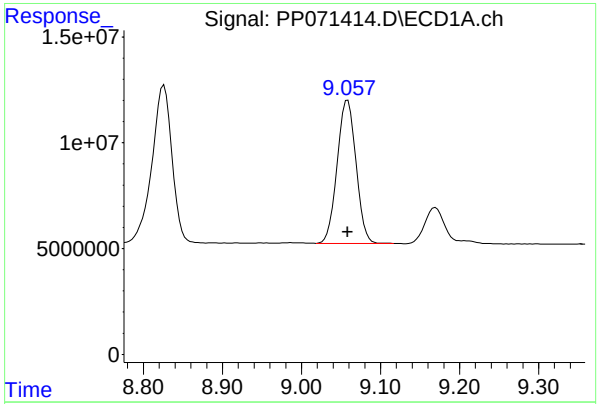
#42 AR-1268-2

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 133980177
Conc: 500.00 ng/ml



#42 AR-1268-2

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 86377504
Conc: 500.00 ng/ml



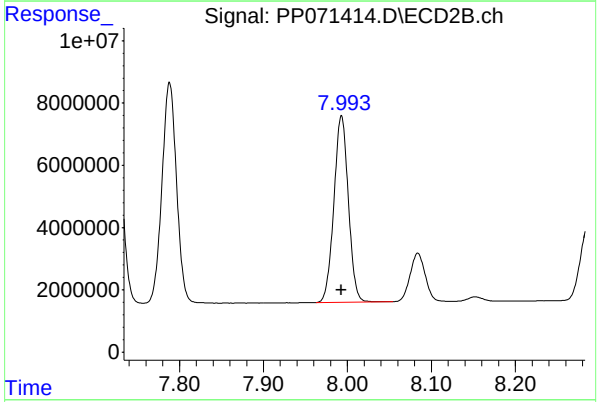
#43 AR-1268-3

R.T.: 9.059 min
Delta R.T.: 0.000 min
Response: 112642140
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

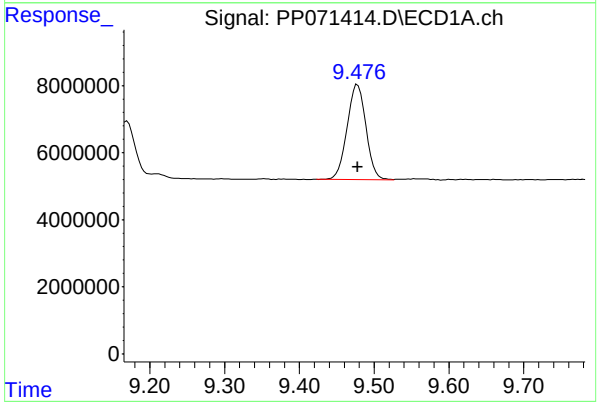
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



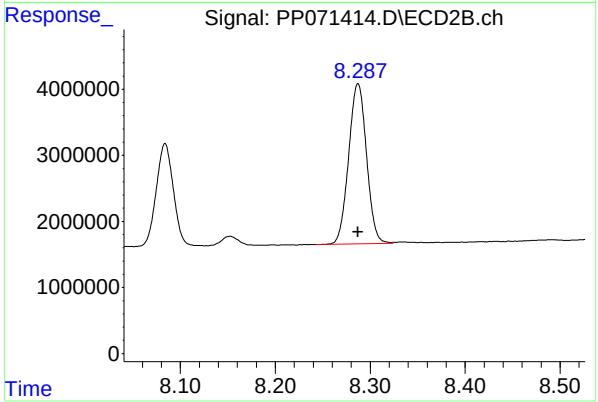
#43 AR-1268-3

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 71541846
Conc: 500.00 ng/ml



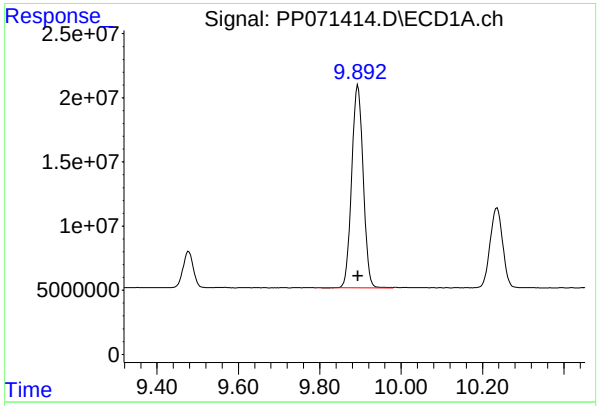
#44 AR-1268-4

R.T.: 9.478 min
Delta R.T.: 0.000 min
Response: 49503520
Conc: 500.00 ng/ml



#44 AR-1268-4

R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 31760699
Conc: 500.00 ng/ml



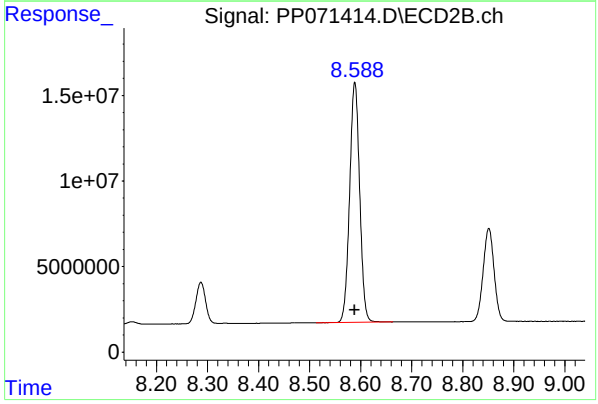
#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 mi
Response: 310531224
Conc: 500.00 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



#45 AR-1268-5

R.T.: 8.589 min
Delta R.T.: 0.000 min
Response: 192587534
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:33
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.517	3.813	50174786	36443440	25.315	24.889
2)	SA Decachlor...	10.236	8.850	67366681	41318494	25.236	25.779
	Target Compounds						
41)	L9 AR-1268-1	8.735	7.721	82956522	51353583	259.446	252.990m
42)	L9 AR-1268-2	8.828	7.788	68964227	43318102	257.367	250.749
43)	L9 AR-1268-3	9.061	7.991	57876424	36193296	256.904	252.952
44)	L9 AR-1268-4	9.480	8.286	24514996	16044448	247.609	252.583
45)	L9 AR-1268-5	9.897	8.587	157.8E6	96869753	254.135	251.495

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:33
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

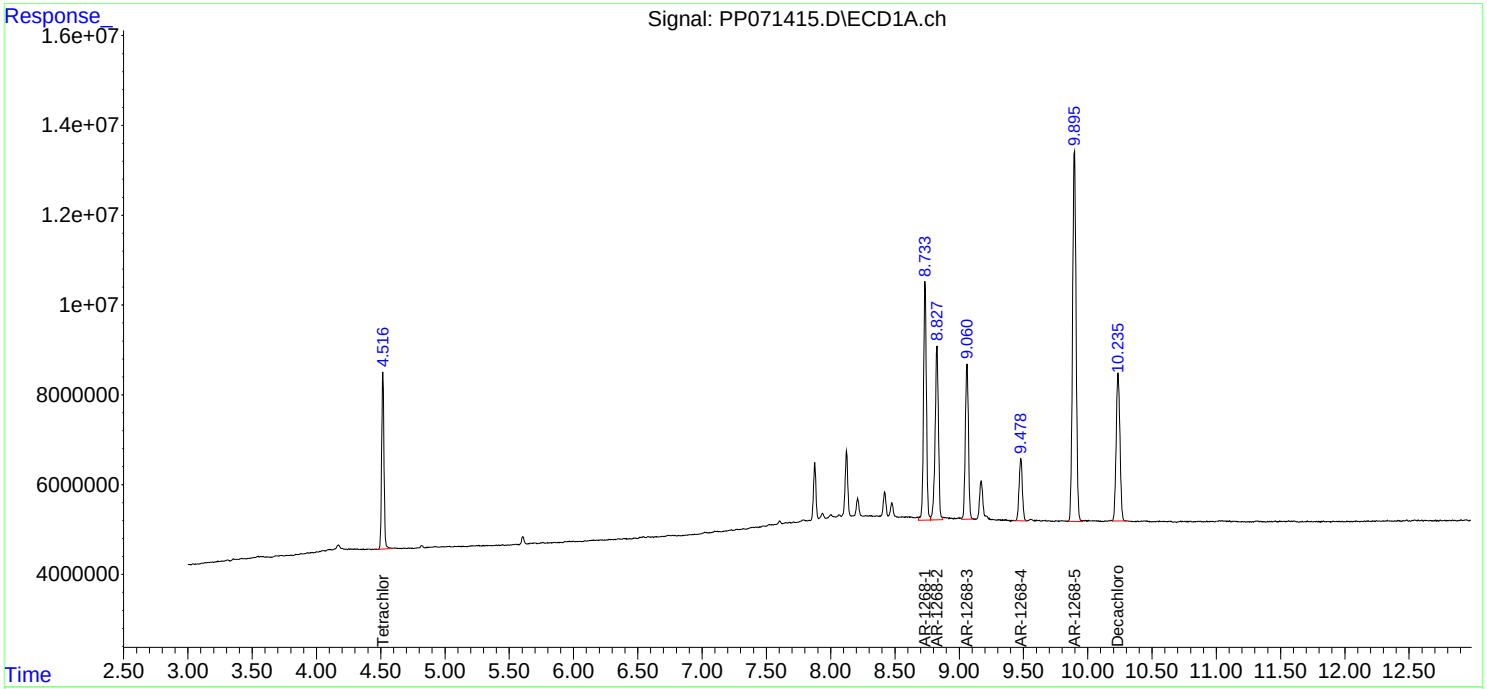
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

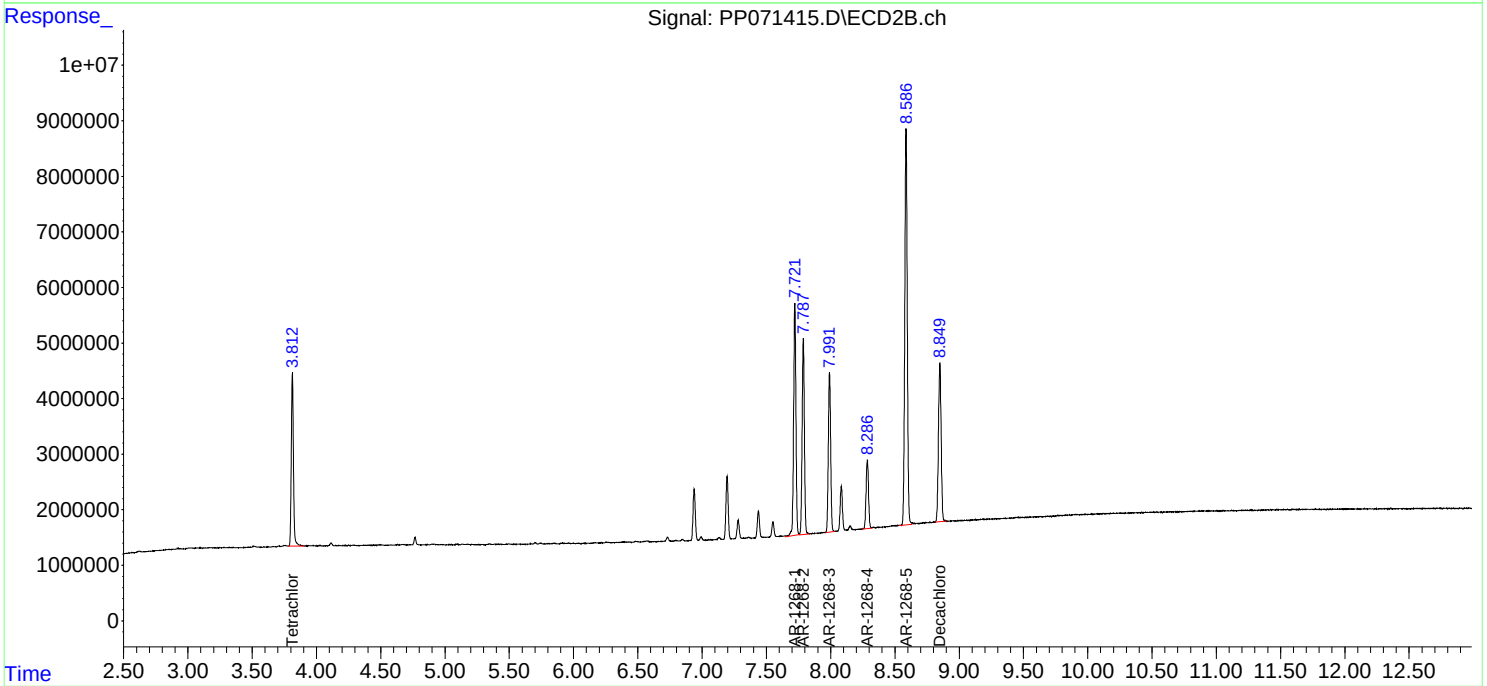
Manual Integrations APPROVED

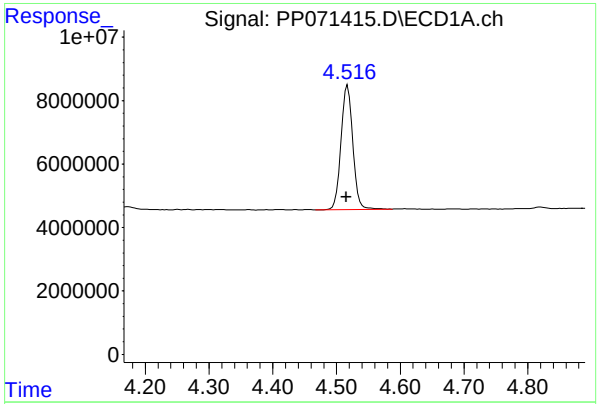
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







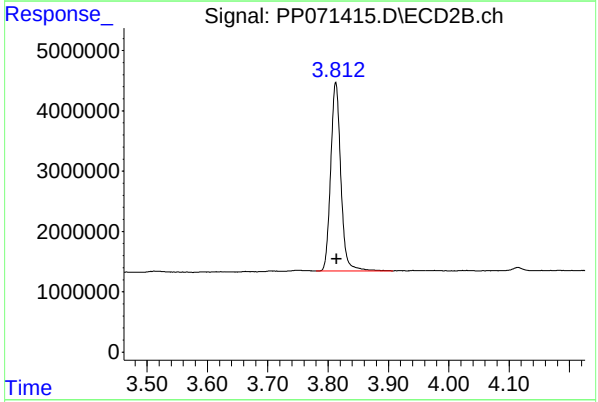
#1 Tetrachloro-m-xylene

R.T.: 4.517 min
Delta R.T.: 0.002 min
Response: 50174786
Conc: 25.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

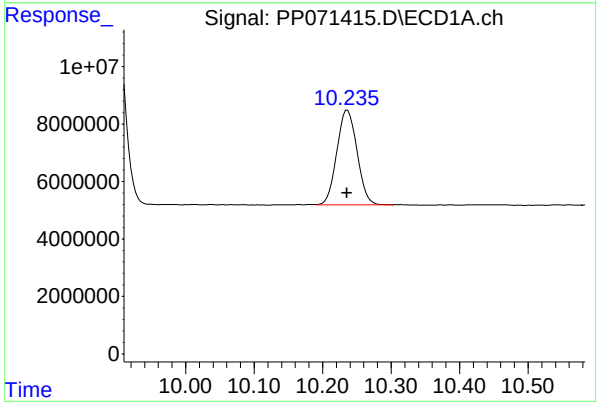
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



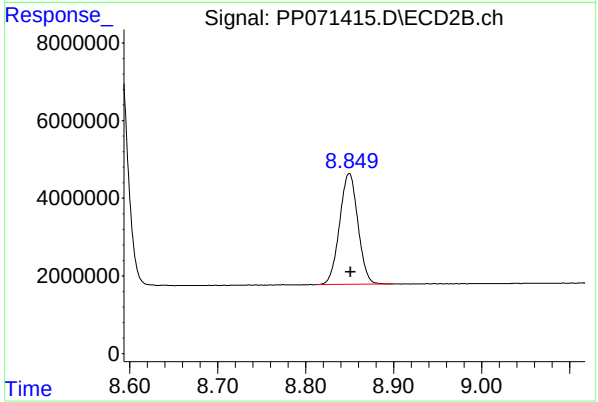
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: -0.001 min
Response: 36443440
Conc: 24.89 ng/ml



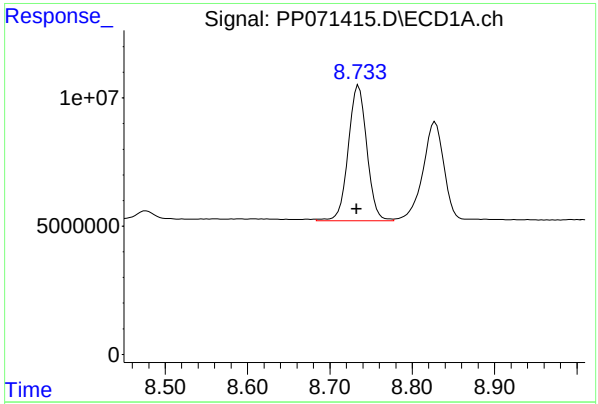
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 67366681
Conc: 25.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.850 min
Delta R.T.: -0.002 min
Response: 41318494
Conc: 25.78 ng/ml



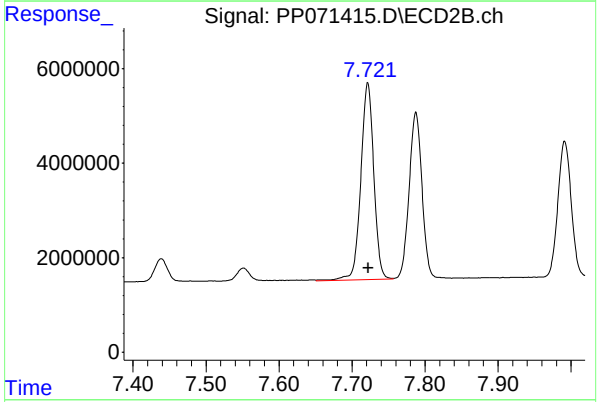
#41 AR-1268-1

R.T.: 8.735 min
Delta R.T.: 0.002 mi
Response: 82956522
Conc: 259.45 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

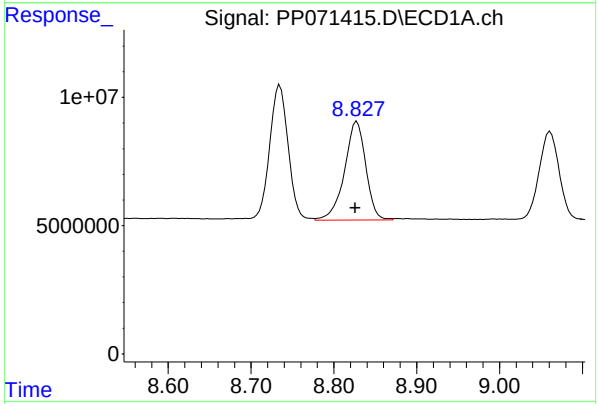
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



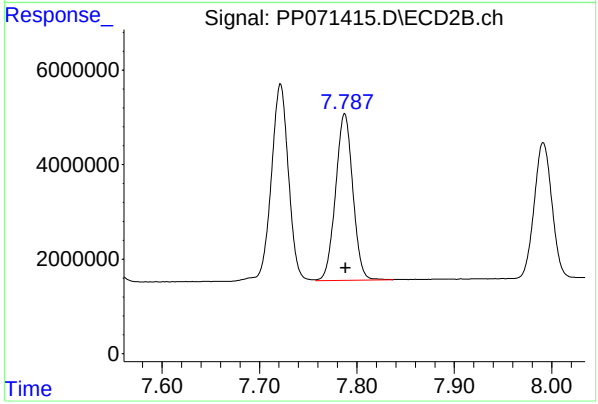
#41 AR-1268-1

R.T.: 7.721 min
Delta R.T.: -0.001 min
Response: 51353583
Conc: 252.99 ng/ml m



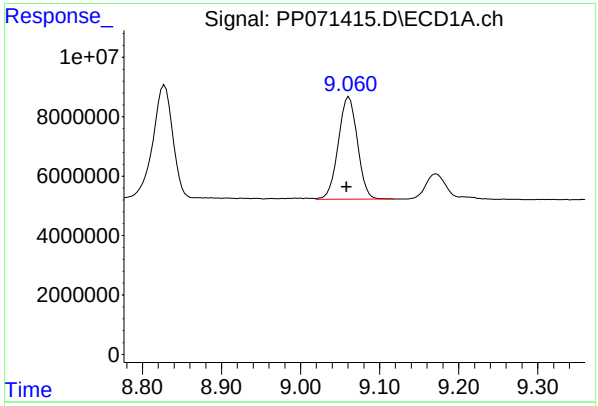
#42 AR-1268-2

R.T.: 8.828 min
Delta R.T.: 0.002 min
Response: 68964227
Conc: 257.37 ng/ml



#42 AR-1268-2

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 43318102
Conc: 250.75 ng/ml



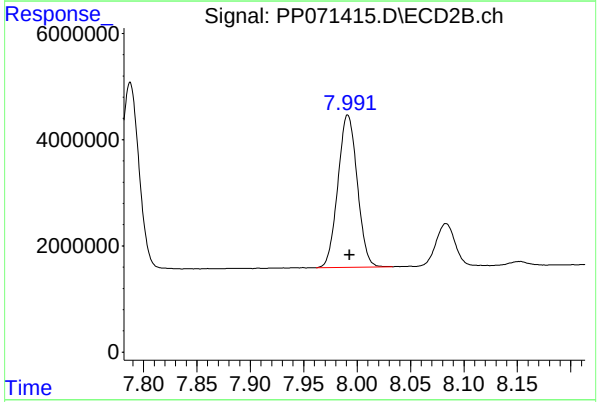
#43 AR-1268-3

R.T.: 9.061 min
Delta R.T.: 0.003 min
Response: 57876424
Conc: 256.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

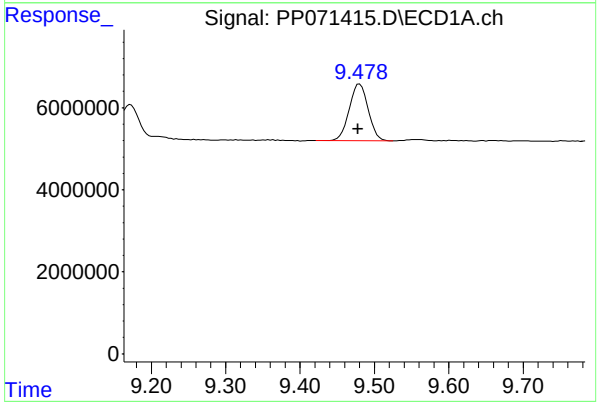
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



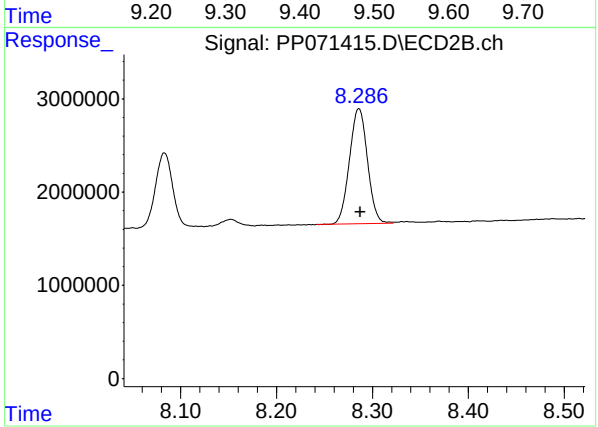
#43 AR-1268-3

R.T.: 7.991 min
Delta R.T.: -0.002 min
Response: 36193296
Conc: 252.95 ng/ml



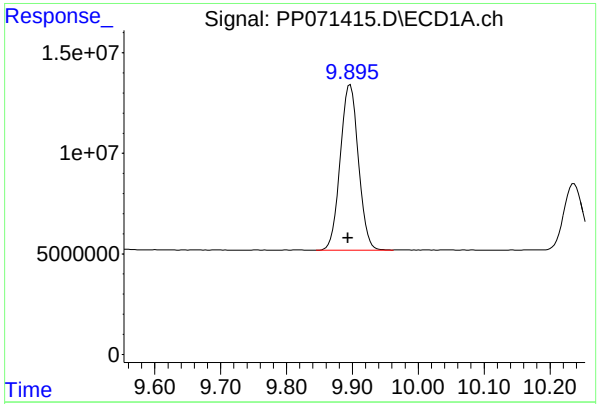
#44 AR-1268-4

R.T.: 9.480 min
Delta R.T.: 0.002 min
Response: 24514996
Conc: 247.61 ng/ml



#44 AR-1268-4

R.T.: 8.286 min
Delta R.T.: -0.001 min
Response: 16044448
Conc: 252.58 ng/ml



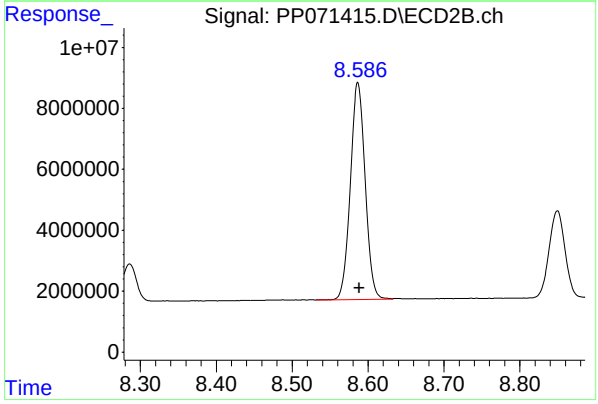
#45 AR-1268-5

R.T.: 9.897 min
Delta R.T.: 0.003 min
Response: 157833758
Conc: 254.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



#45 AR-1268-5

R.T.: 8.587 min
Delta R.T.: -0.002 min
Response: 96869753
Conc: 251.50 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:49
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.813	7954830	6504410	4.014	4.442
2)	SA Decachlor...	10.235	8.850	11316360	7324768	4.239	4.570
	Target Compounds						
41)	L9 AR-1268-1	8.731	7.721	14103190	10095232	44.108m	49.733m
42)	L9 AR-1268-2	8.825	7.787	11406198	8528068	42.567m	49.365
43)	L9 AR-1268-3	9.058	7.992	10823544	6773456	48.044	47.339
44)	L9 AR-1268-4	9.476	8.287	4136815	2789666	41.783	43.917
45)	L9 AR-1268-5	9.894	8.588	26835395	17143092	43.209	44.507

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:49
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

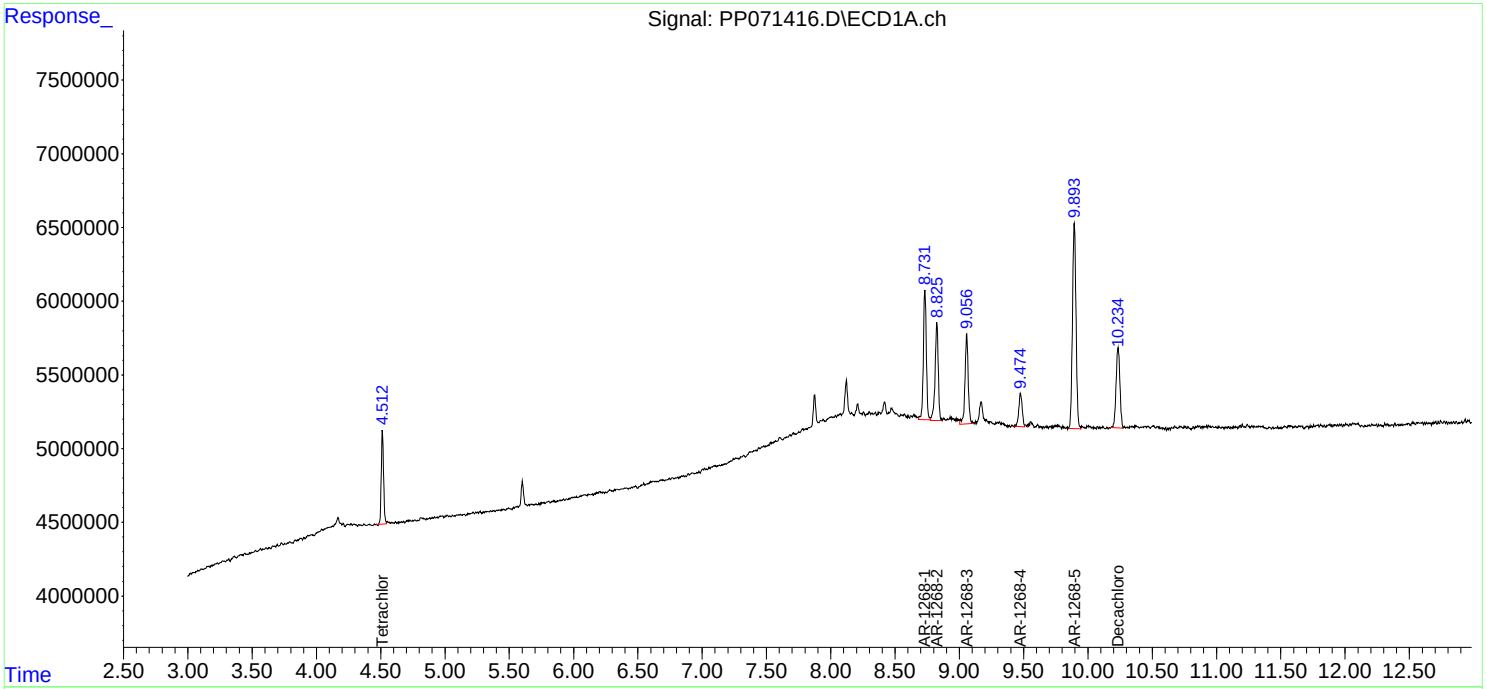
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

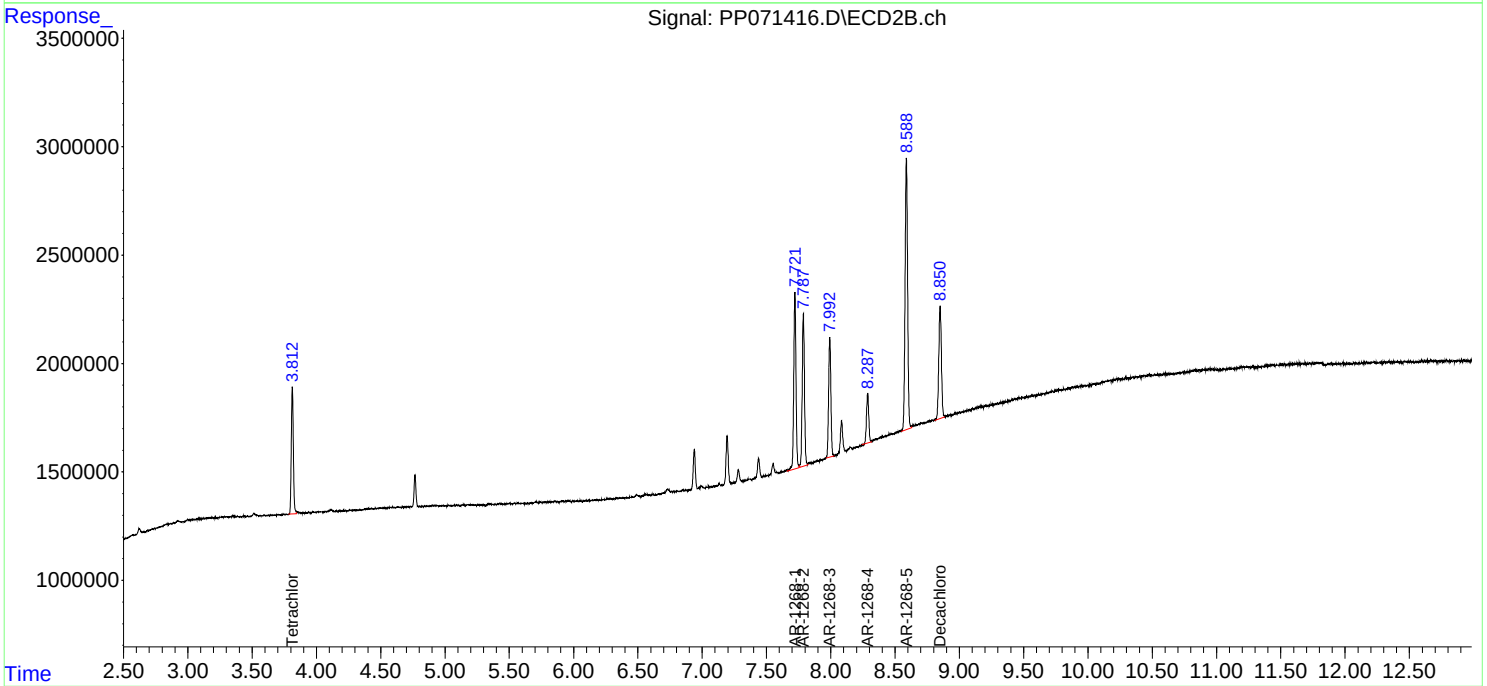
Manual Integrations APPROVED

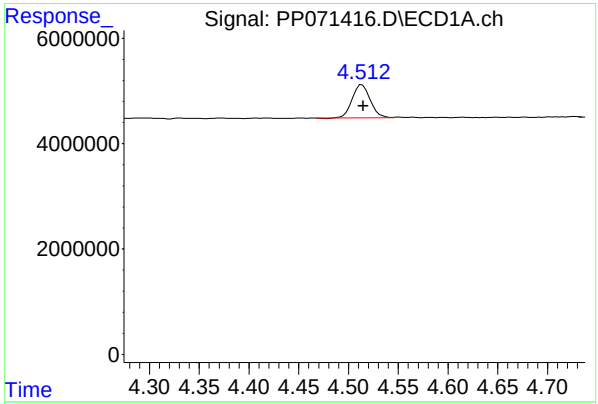
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







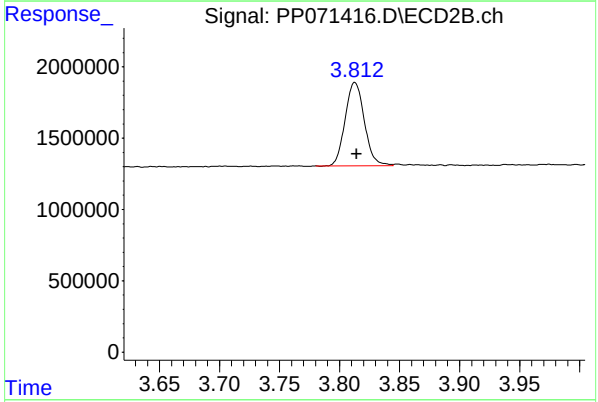
#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: -0.001 min
Response: 7954830
Conc: 4.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

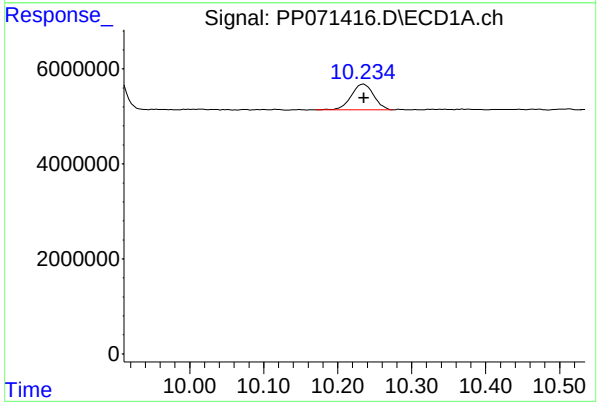
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



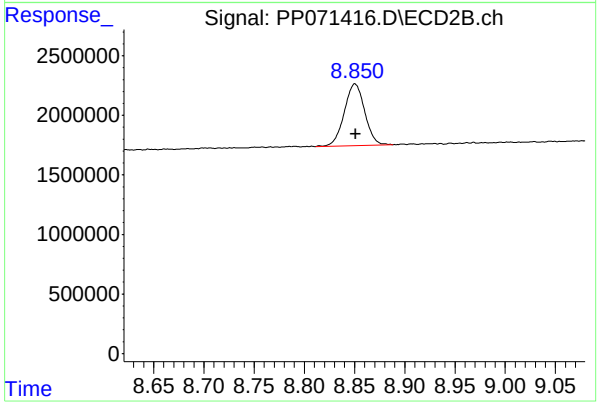
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: -0.001 min
Response: 6504410
Conc: 4.44 ng/ml



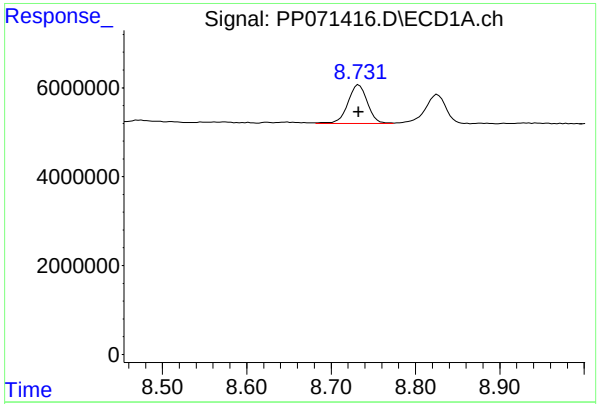
#2 Decachlorobiphenyl

R.T.: 10.235 min
Delta R.T.: 0.000 min
Response: 11316360
Conc: 4.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 7324768
Conc: 4.57 ng/ml



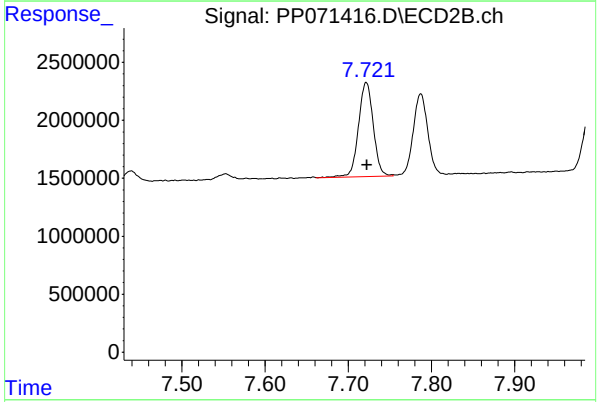
#41 AR-1268-1

R.T.: 8.731 min
Delta R.T.: -0.001 mi
Response: 14103190
Conc: 44.11 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

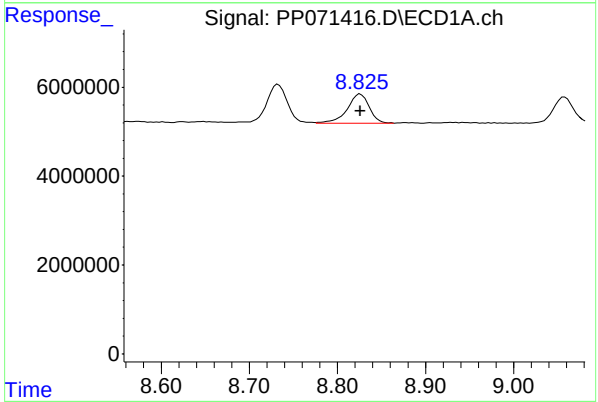
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



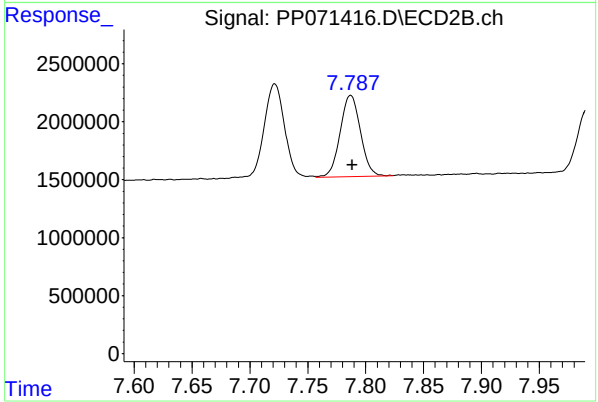
#41 AR-1268-1

R.T.: 7.721 min
Delta R.T.: -0.001 min
Response: 10095232
Conc: 49.73 ng/ml m



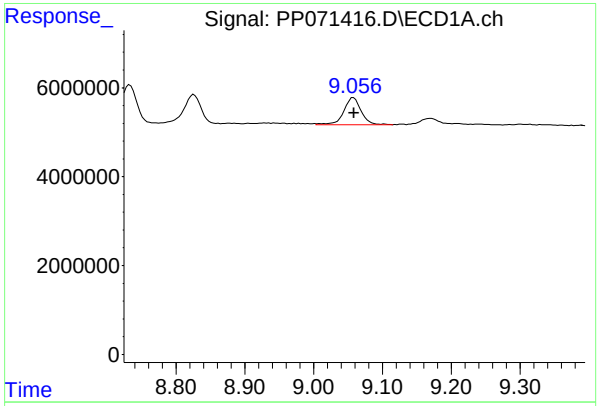
#42 AR-1268-2

R.T.: 8.825 min
Delta R.T.: -0.001 min
Response: 11406198
Conc: 42.57 ng/ml m



#42 AR-1268-2

R.T.: 7.787 min
Delta R.T.: -0.001 min
Response: 8528068
Conc: 49.37 ng/ml



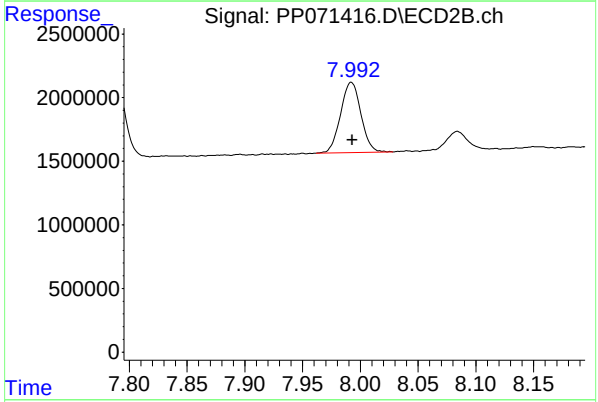
#43 AR-1268-3

R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 10823544
Conc: 48.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

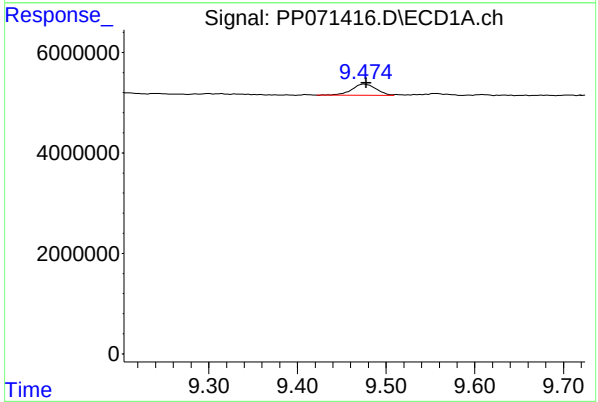
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



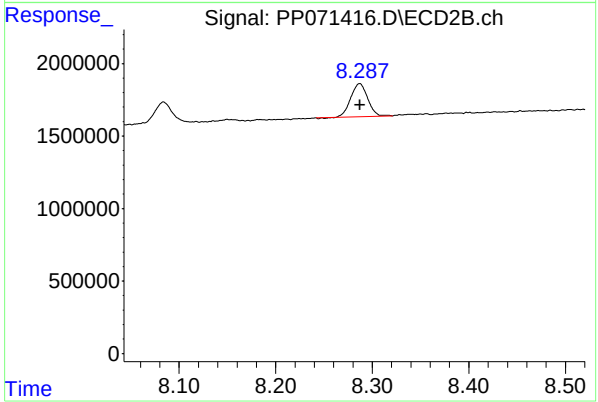
#43 AR-1268-3

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 6773456
Conc: 47.34 ng/ml



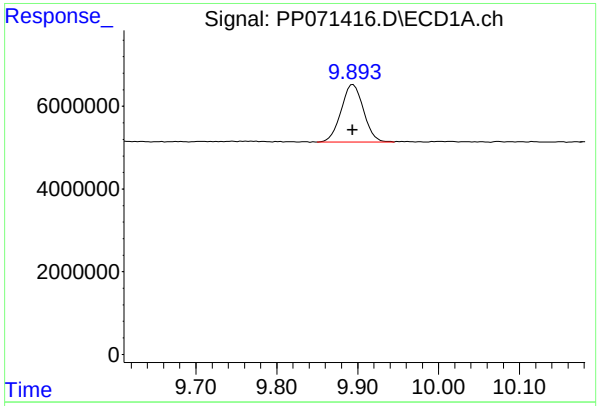
#44 AR-1268-4

R.T.: 9.476 min
Delta R.T.: -0.002 min
Response: 4136815
Conc: 41.78 ng/ml



#44 AR-1268-4

R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 2789666
Conc: 43.92 ng/ml



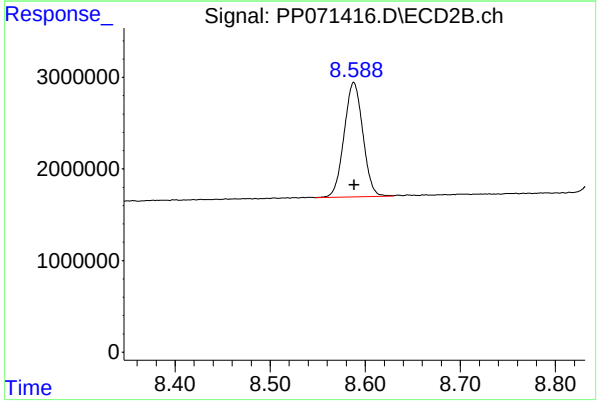
#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 mi
Response: 26835395
Conc: 43.21 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



#45 AR-1268-5

R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 17143092
Conc: 44.51 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 18:05
Operator : YP\AJ
Sample : PP042225ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 19:27:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.812	98003244	70310326	49.431	49.914
2)	SA Decachlor...	10.233	8.849	73424396	44681766	50.707	50.945
	Target Compounds						
3)	L1 AR-1016-1	5.668	4.898	33546404	27255669	500.321	509.132
4)	L1 AR-1016-2	5.690	4.916	50377176	38783246	490.870	507.875
5)	L1 AR-1016-3	5.752	5.093	30221252	21921068	490.230	519.328
6)	L1 AR-1016-4	5.850	5.135	25444869	18087794	496.019	524.498
7)	L1 AR-1016-5	6.142	5.349	24049539	22819712	498.556	513.411
31)	L7 AR-1260-1	7.262	6.384	46974832	35744650	489.196	494.399
32)	L7 AR-1260-2	7.515	6.573	70731391	43416292	494.358	496.405
33)	L7 AR-1260-3	7.875	6.726	58007061	39241127	517.439	500.604
34)	L7 AR-1260-4	8.098	7.198	56235072	31343464	498.252	496.643
35)	L7 AR-1260-5	8.418	7.439	114.7E6	75416996	506.086	500.188

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

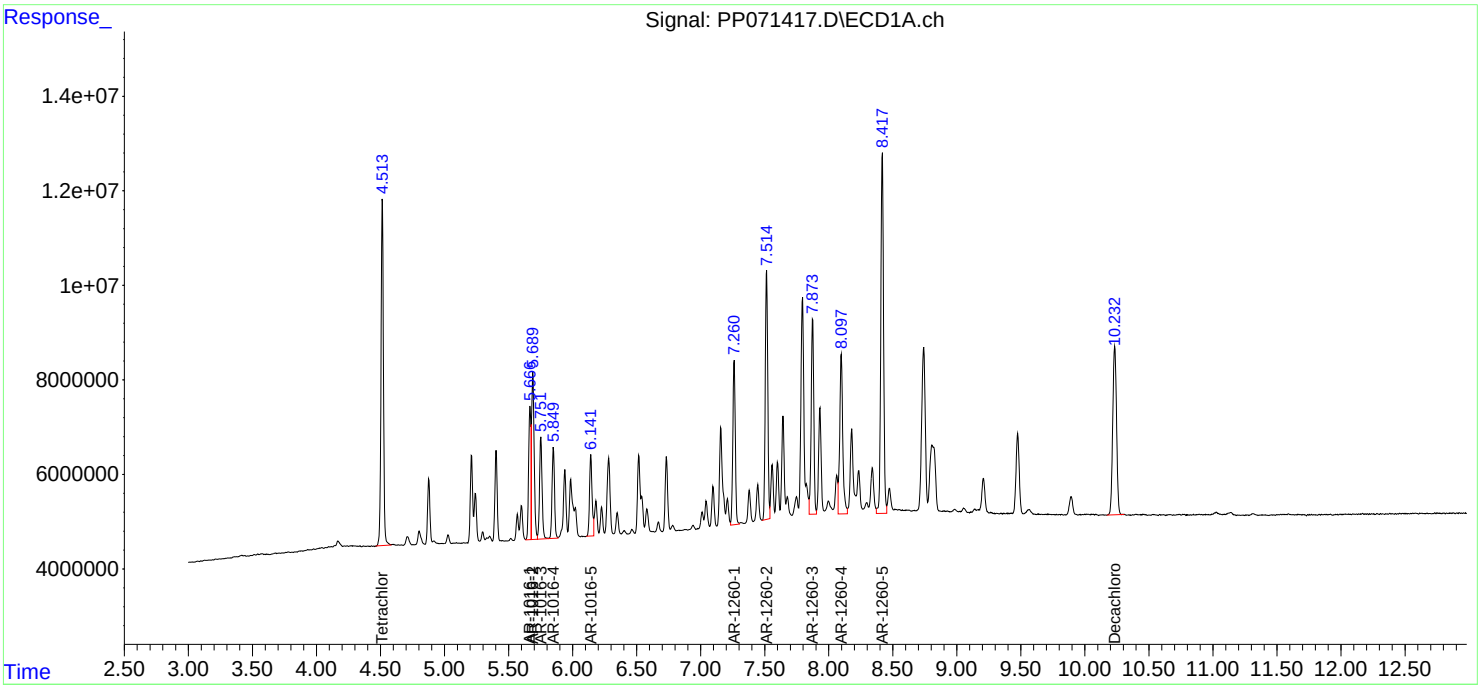
ICAL Form

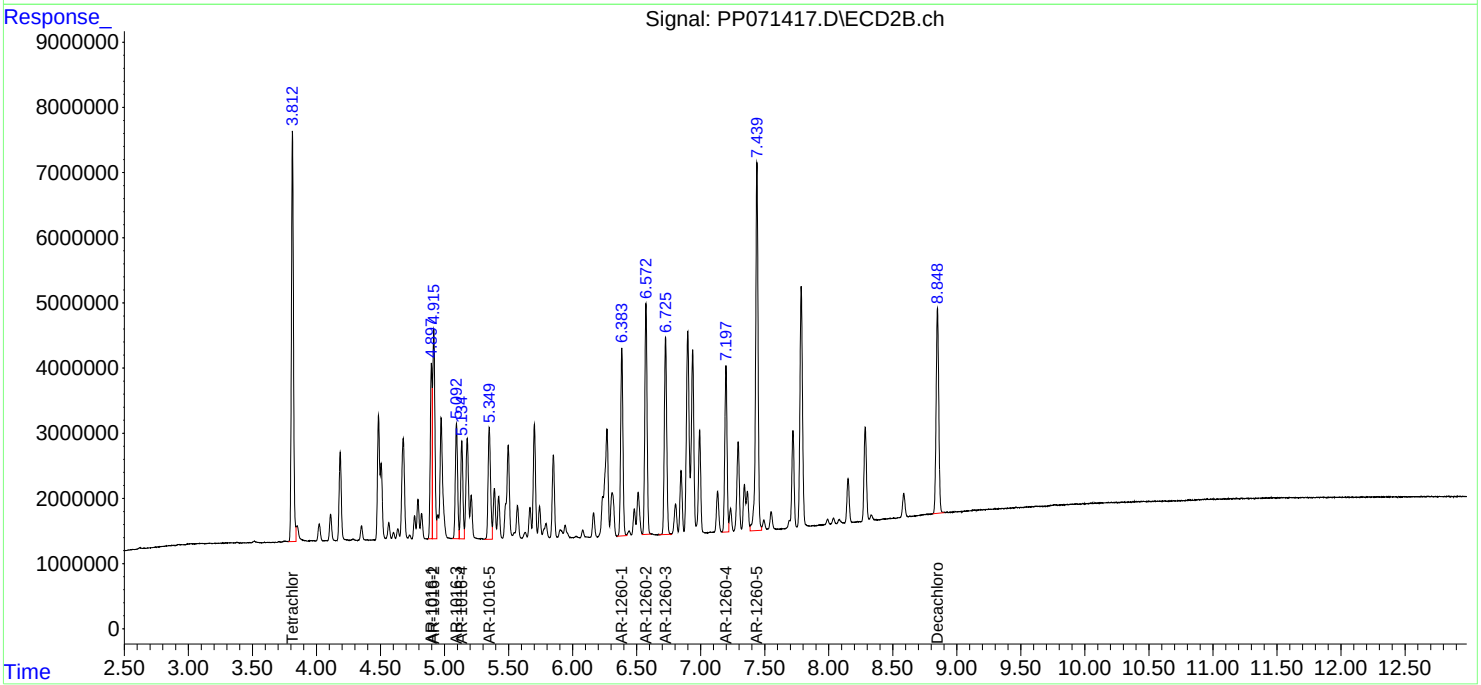
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 18:05
Operator : YP\AJ
Sample : PP042225ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

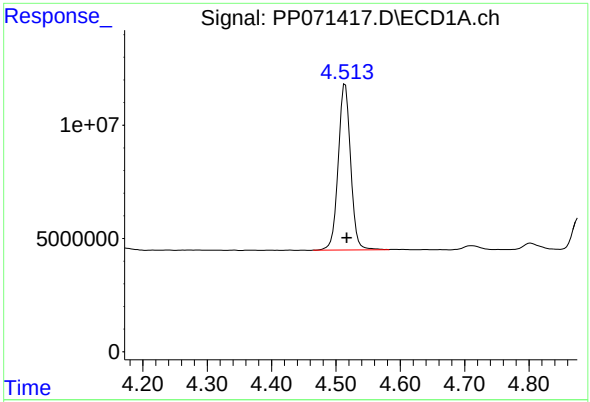
Instrument :
ECD_P
ClientSampleId :
ICVPP042225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 19:27:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



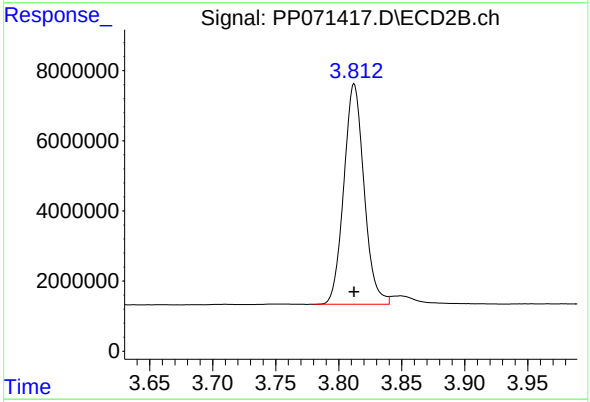




#1 Tetrachloro-m-xylene

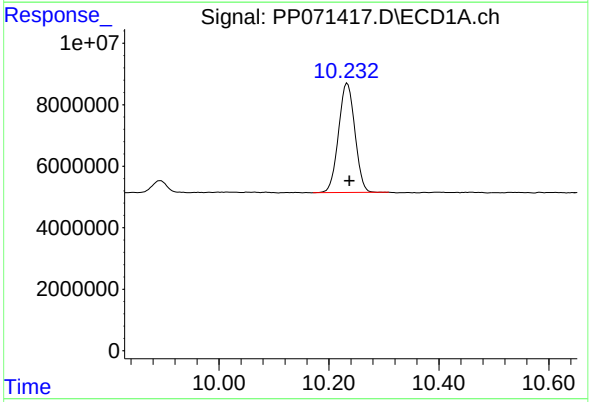
R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 98003244
Conc: 49.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225



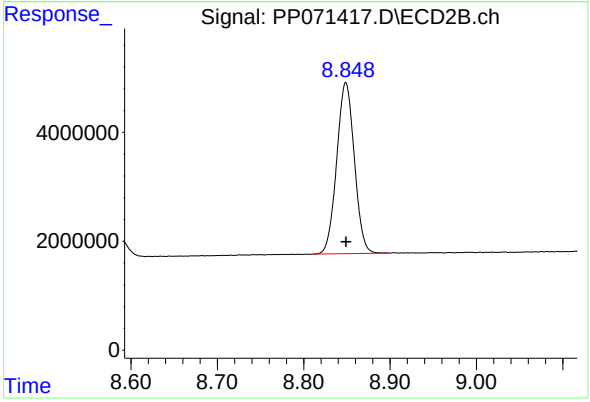
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 70310326
Conc: 49.91 ng/ml



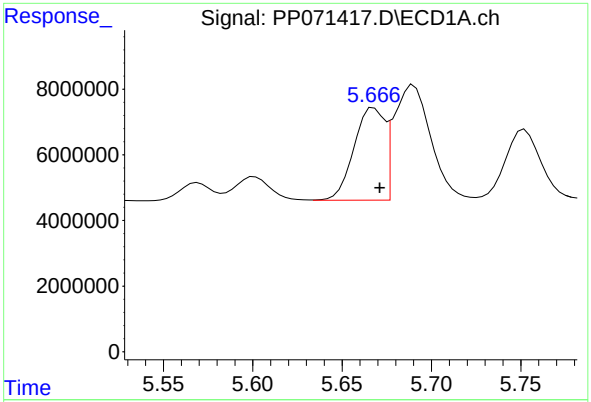
#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: -0.004 min
Response: 73424396
Conc: 50.71 ng/ml



#2 Decachlorobiphenyl

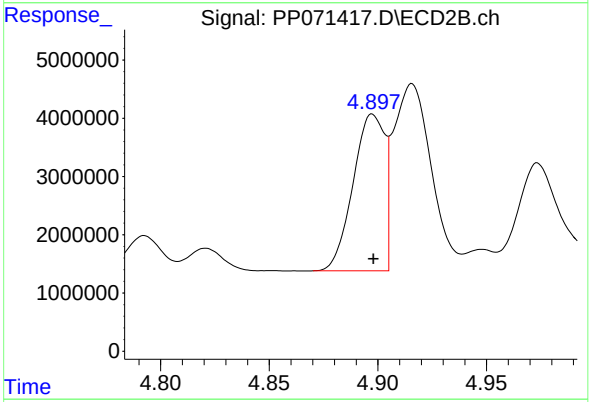
R.T.: 8.849 min
Delta R.T.: 0.000 min
Response: 44681766
Conc: 50.95 ng/ml



#3 AR-1016-1

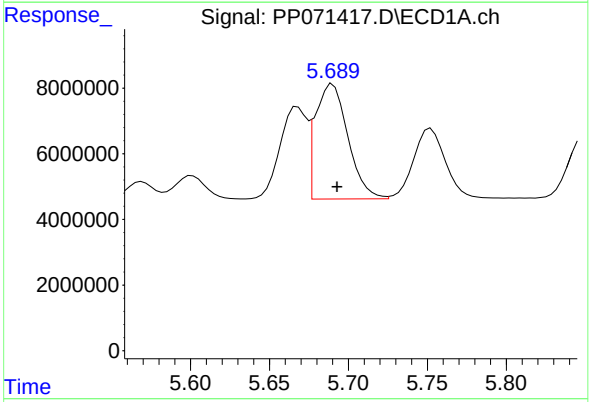
R.T.: 5.668 min
Delta R.T.: -0.003 min
Response: 33546404
Conc: 500.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225



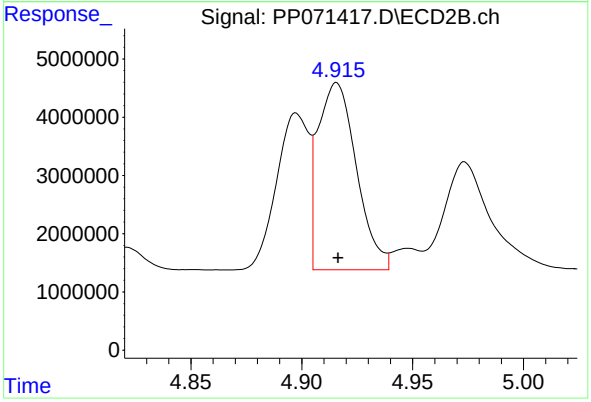
#3 AR-1016-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 27255669
Conc: 509.13 ng/ml



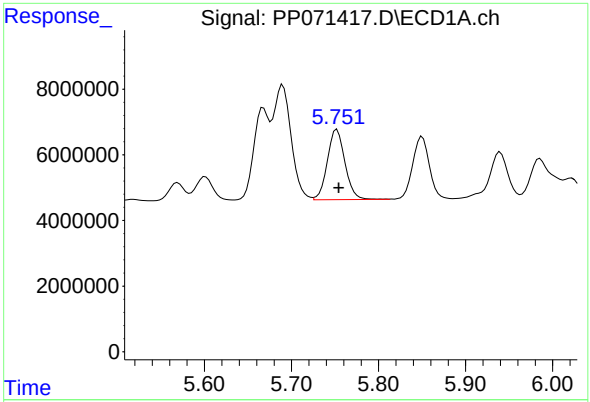
#4 AR-1016-2

R.T.: 5.690 min
Delta R.T.: -0.003 min
Response: 50377176
Conc: 490.87 ng/ml



#4 AR-1016-2

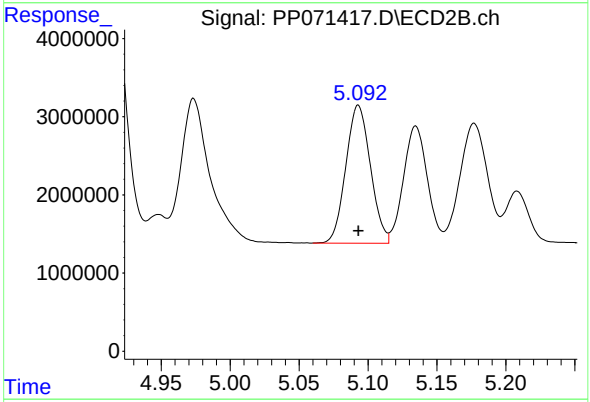
R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 38783246
Conc: 507.88 ng/ml



#5 AR-1016-3

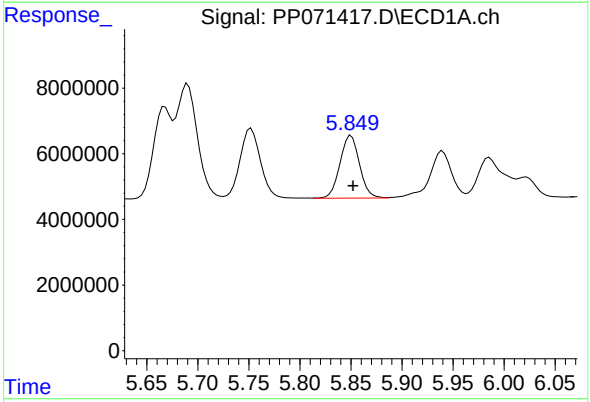
R.T.: 5.752 min
Delta R.T.: -0.002 min
Response: 30221252
Conc: 490.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225



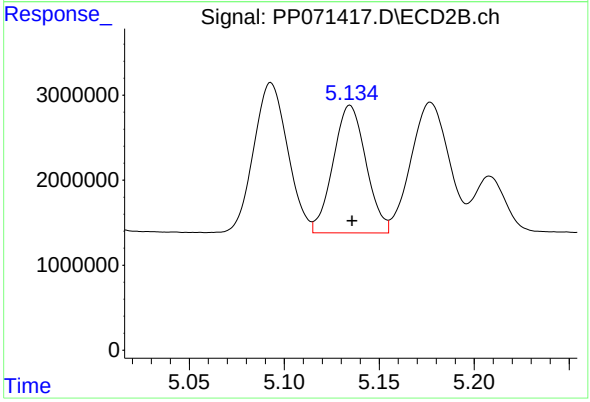
#5 AR-1016-3

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 21921068
Conc: 519.33 ng/ml



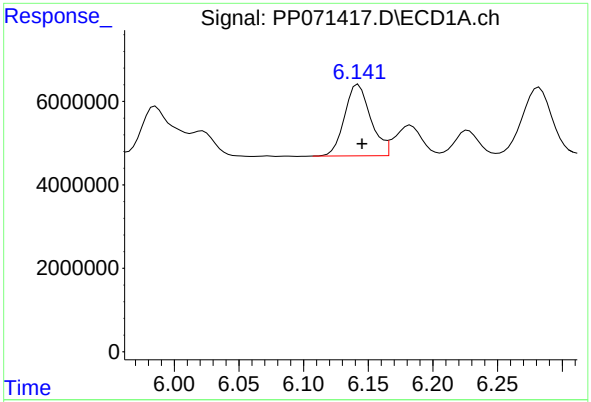
#6 AR-1016-4

R.T.: 5.850 min
Delta R.T.: -0.002 min
Response: 25444869
Conc: 496.02 ng/ml



#6 AR-1016-4

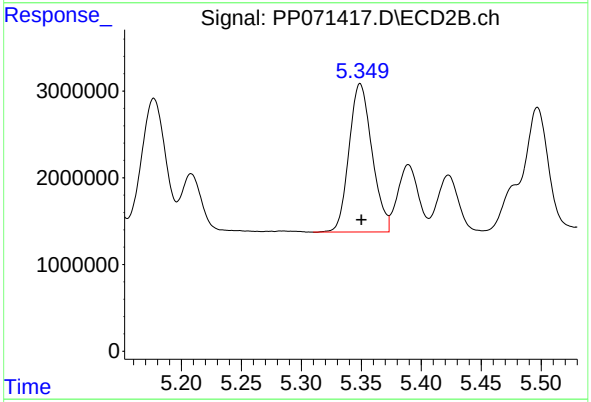
R.T.: 5.135 min
Delta R.T.: -0.001 min
Response: 18087794
Conc: 524.50 ng/ml



#7 AR-1016-5

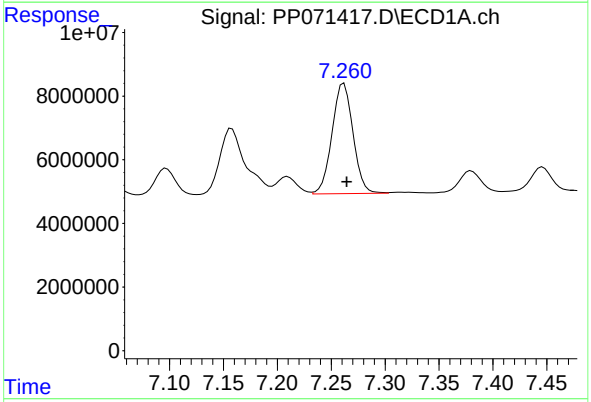
R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 24049539
Conc: 498.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225



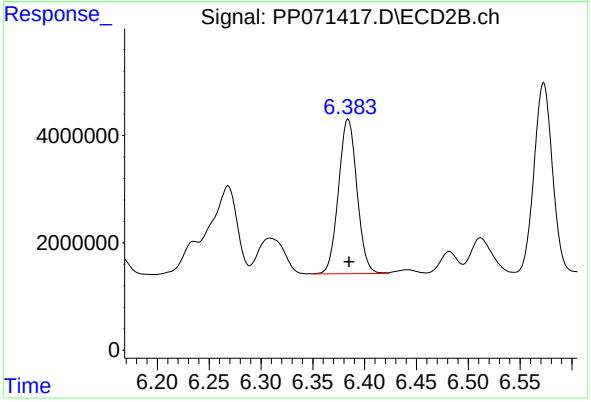
#7 AR-1016-5

R.T.: 5.349 min
Delta R.T.: 0.000 min
Response: 22819712
Conc: 513.41 ng/ml



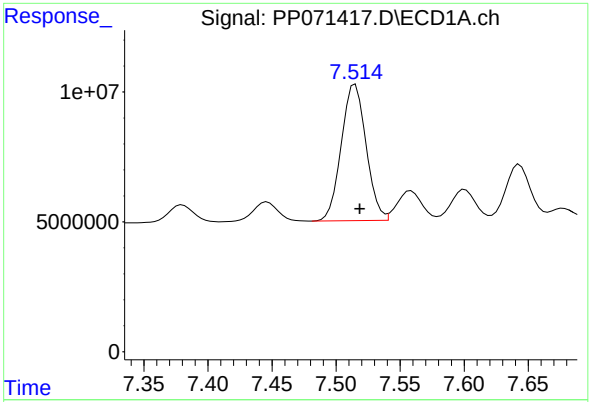
#31 AR-1260-1

R.T.: 7.262 min
Delta R.T.: -0.003 min
Response: 46974832
Conc: 489.20 ng/ml



#31 AR-1260-1

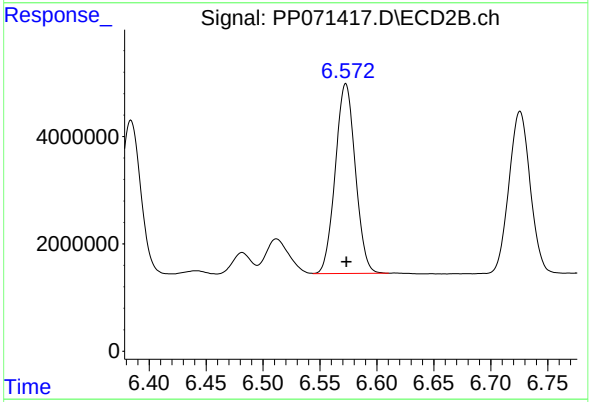
R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 35744650
Conc: 494.40 ng/ml



#32 AR-1260-2

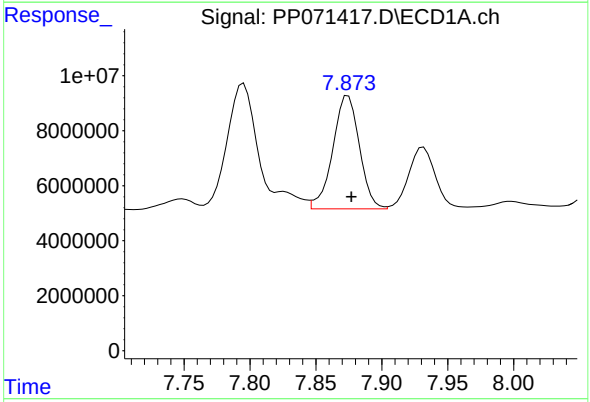
R.T.: 7.515 min
Delta R.T.: -0.003 min
Response: 70731391
Conc: 494.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225



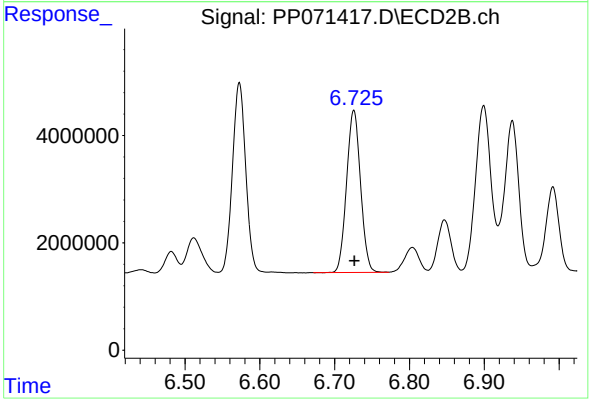
#32 AR-1260-2

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 43416292
Conc: 496.41 ng/ml



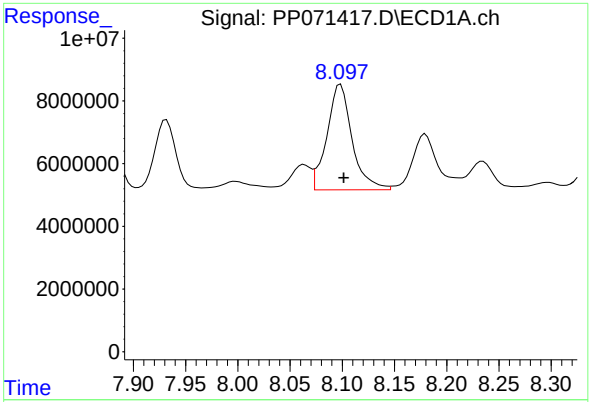
#33 AR-1260-3

R.T.: 7.875 min
Delta R.T.: -0.003 min
Response: 58007061
Conc: 517.44 ng/ml



#33 AR-1260-3

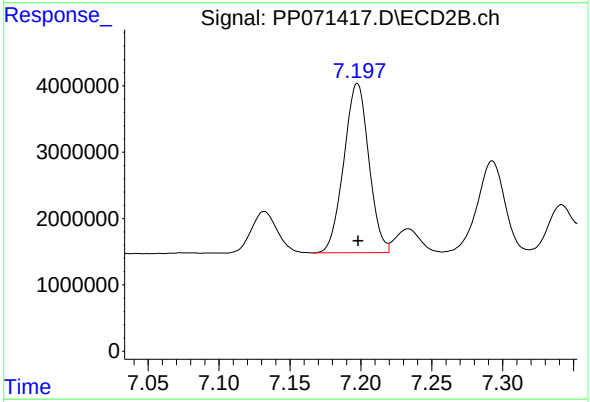
R.T.: 6.726 min
Delta R.T.: -0.001 min
Response: 39241127
Conc: 500.60 ng/ml



#34 AR-1260-4

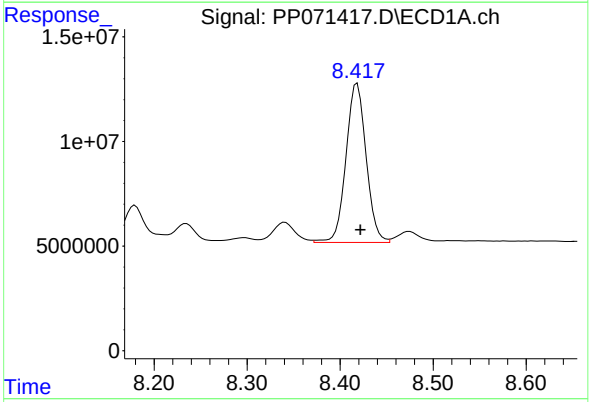
R.T.: 8.098 min
Delta R.T.: -0.003 min
Response: 56235072
Conc: 498.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225



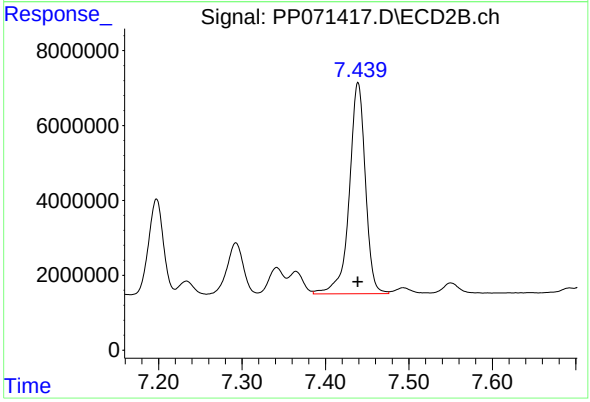
#34 AR-1260-4

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 31343464
Conc: 496.64 ng/ml



#35 AR-1260-5

R.T.: 8.418 min
Delta R.T.: -0.003 min
Response: 114665502
Conc: 506.09 ng/ml



#35 AR-1260-5

R.T.: 7.439 min
Delta R.T.: 0.000 min
Response: 75416996
Conc: 500.19 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 18:38
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:23:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 02:23:12 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...	4.515	3.813	98322267	73653264	48.740	48.976
2)	SA Decachlor...	10.234	8.849	73973652	44775920	49.685	49.917
	Target Compounds						
16)	L4 AR-1242-1	5.669	4.898	28608484	23663233	489.076	493.809
17)	L4 AR-1242-2	5.690	4.917	43367430	33449196	480.598	489.769
18)	L4 AR-1242-3	5.753	5.094	25764272	18726327	483.300	486.783
19)	L4 AR-1242-4	5.850	5.178	21798483	18331184	484.040	488.202
20)	L4 AR-1242-5	6.581	5.702	23472650	21942094	485.668	487.912

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

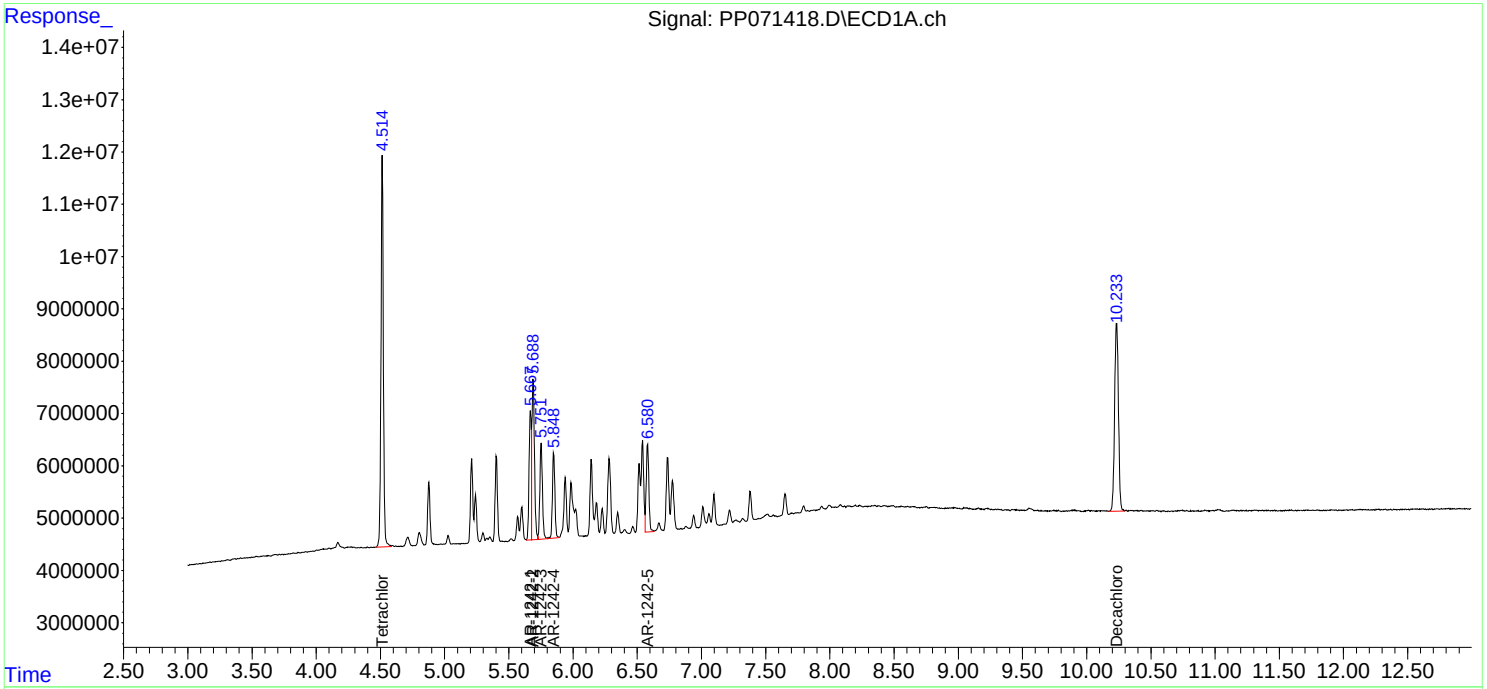
ICAL Form

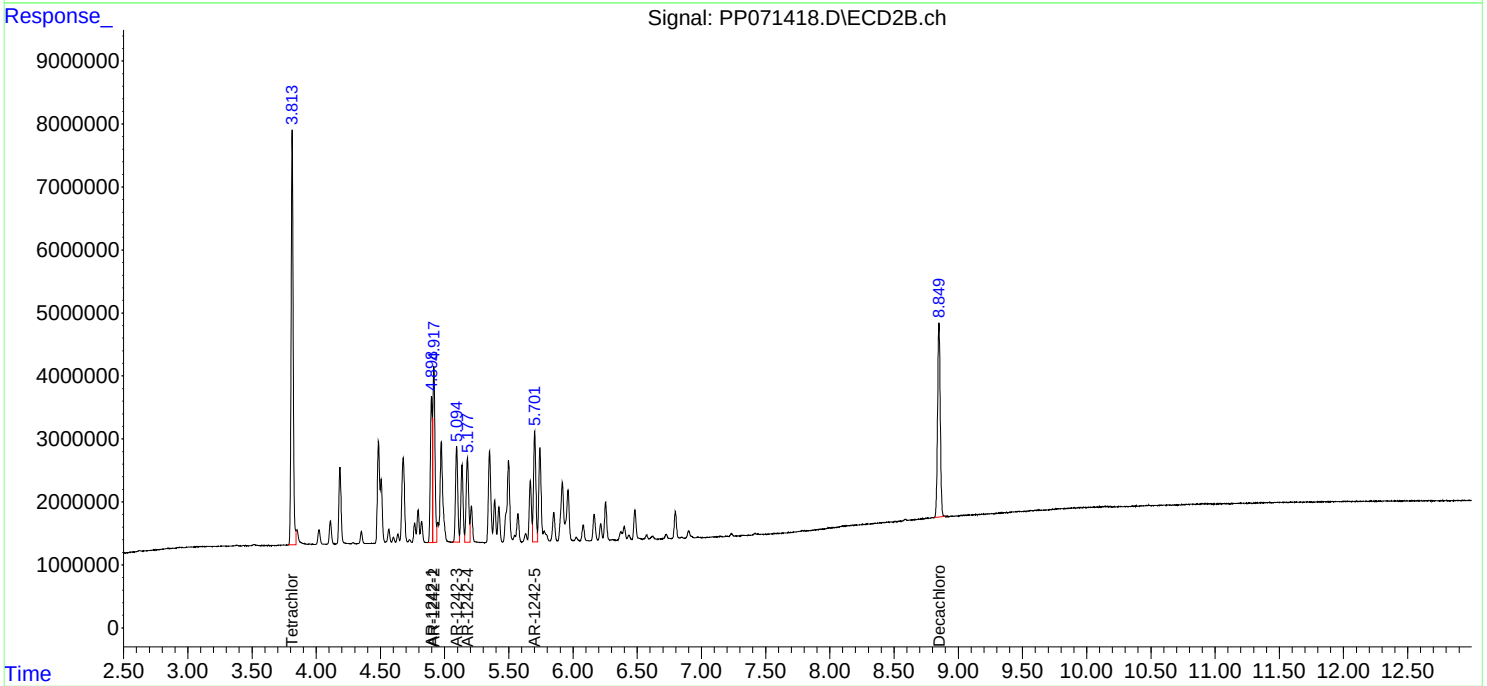
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 18:38
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

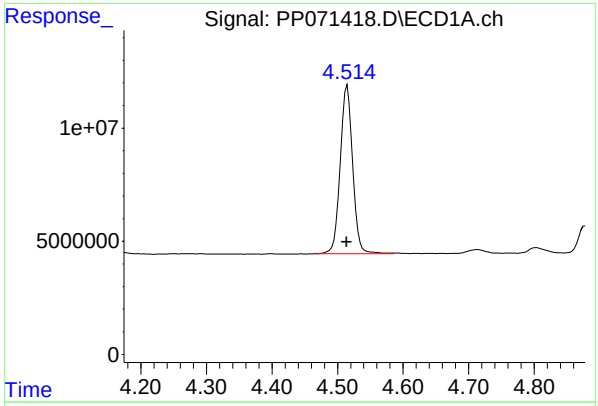
Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:23:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 02:23:12 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



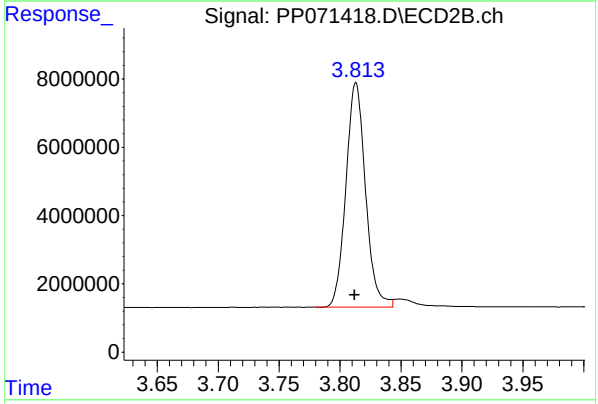




#1 Tetrachloro-m-xylene

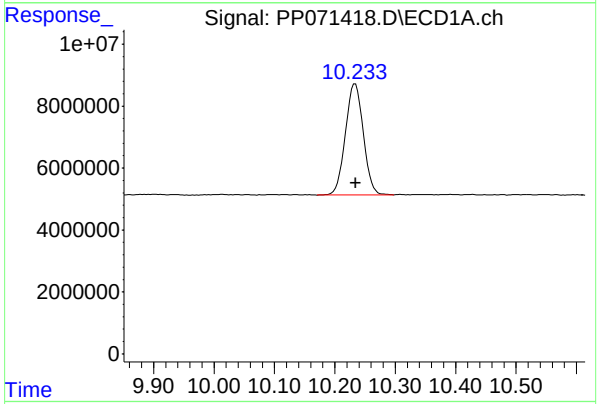
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 98322267
Conc: 48.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1242



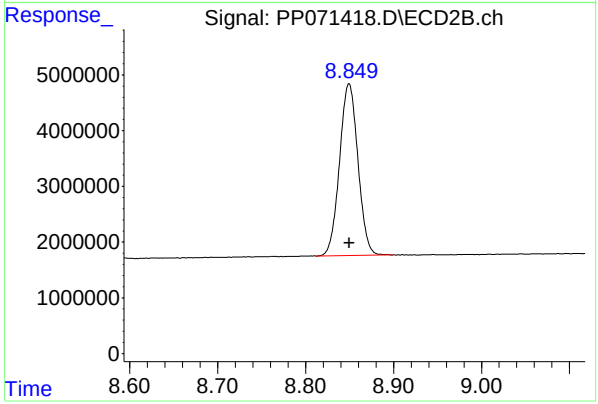
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 73653264
Conc: 48.98 ng/ml



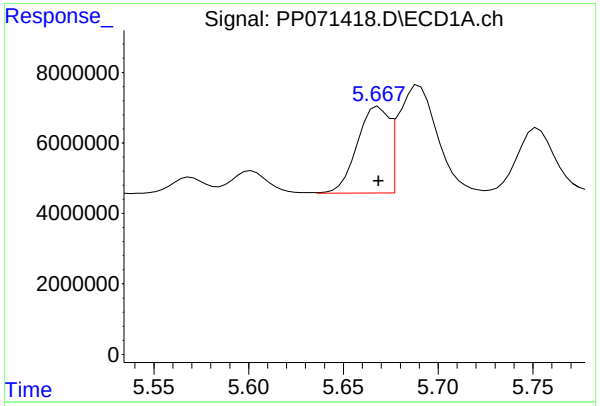
#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: -0.001 min
Response: 73973652
Conc: 49.69 ng/ml



#2 Decachlorobiphenyl

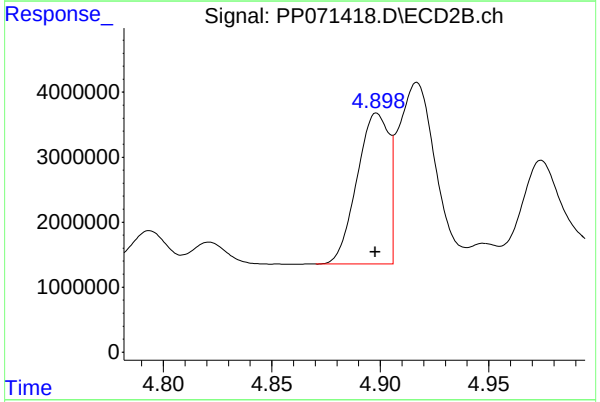
R.T.: 8.849 min
Delta R.T.: 0.000 min
Response: 44775920
Conc: 49.92 ng/ml



#16 AR-1242-1

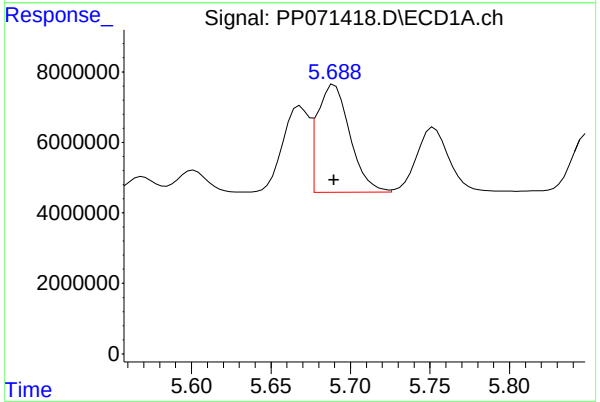
R.T.: 5.669 min
Delta R.T.: 0.000 min
Response: 28608484
Conc: 489.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1242



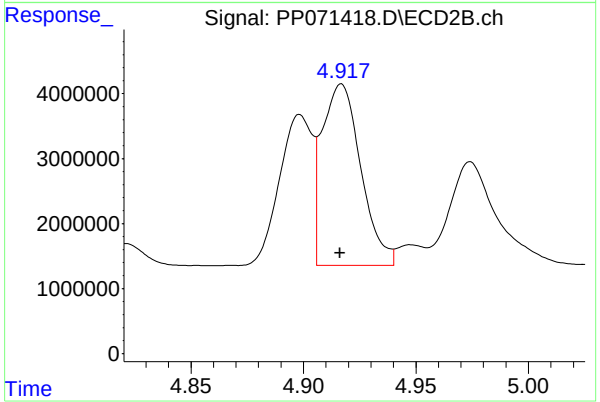
#16 AR-1242-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 23663233
Conc: 493.81 ng/ml



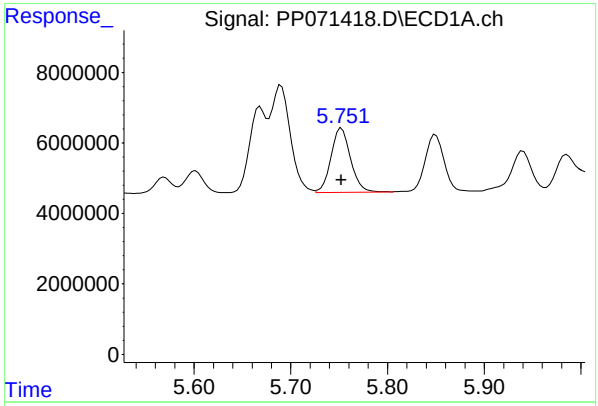
#17 AR-1242-2

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 43367430
Conc: 480.60 ng/ml



#17 AR-1242-2

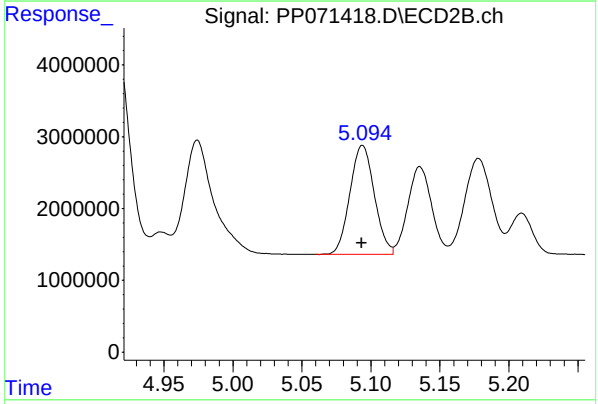
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 33449196
Conc: 489.77 ng/ml



#18 AR-1242-3

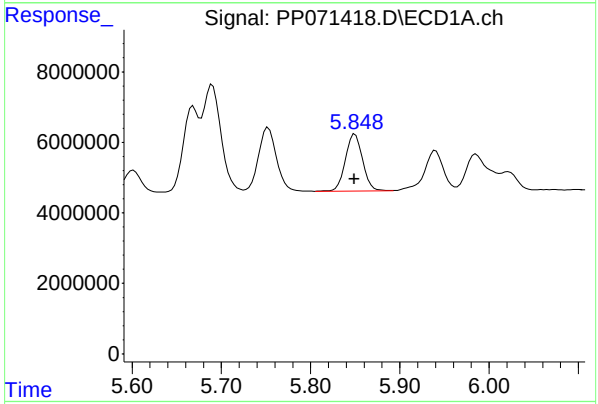
R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 25764272
Conc: 483.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1242



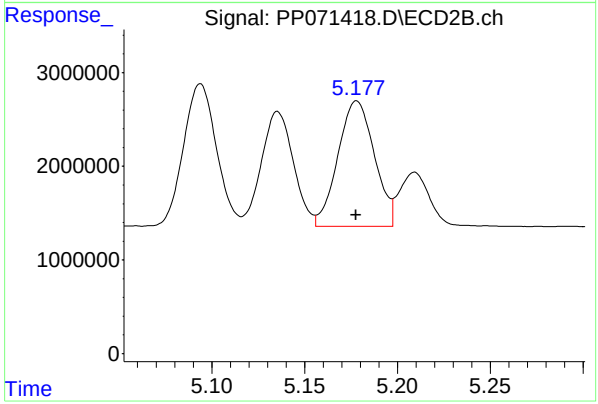
#18 AR-1242-3

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 18726327
Conc: 486.78 ng/ml



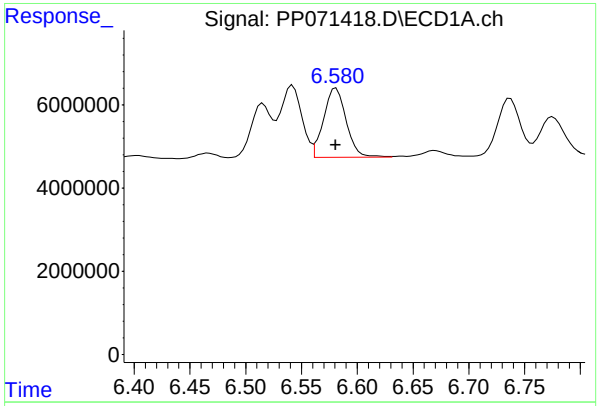
#19 AR-1242-4

R.T.: 5.850 min
Delta R.T.: 0.000 min
Response: 21798483
Conc: 484.04 ng/ml



#19 AR-1242-4

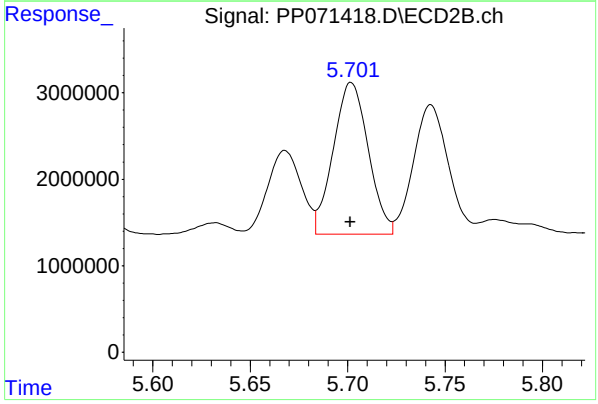
R.T.: 5.178 min
Delta R.T.: 0.000 min
Response: 18331184
Conc: 488.20 ng/ml



#20 AR-1242-5

R.T.: 6.581 min
Delta R.T.: 0.000 min
Response: 23472650
Conc: 485.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1242



#20 AR-1242-5

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 21942094
Conc: 487.91 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 19:27
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 07:42:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.514	3.812	98804591	74071948	49.835	52.584
2)	SA Decachlor...	10.234	8.848	74699675	45534064	51.588	51.917
	Target Compounds						
21)	L5 AR-1248-1	5.667	4.897	22002964	19168563	512.425	530.888
22)	L5 AR-1248-2	5.938	5.135	30310191	26184570	501.555	534.789
23)	L5 AR-1248-3	6.141	5.177	34304891	27346403	513.666	535.307
24)	L5 AR-1248-4	6.541	5.349	43159659	31642146	510.096	521.654
25)	L5 AR-1248-5	6.580	5.742	40310718	30029077	507.383	515.159

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

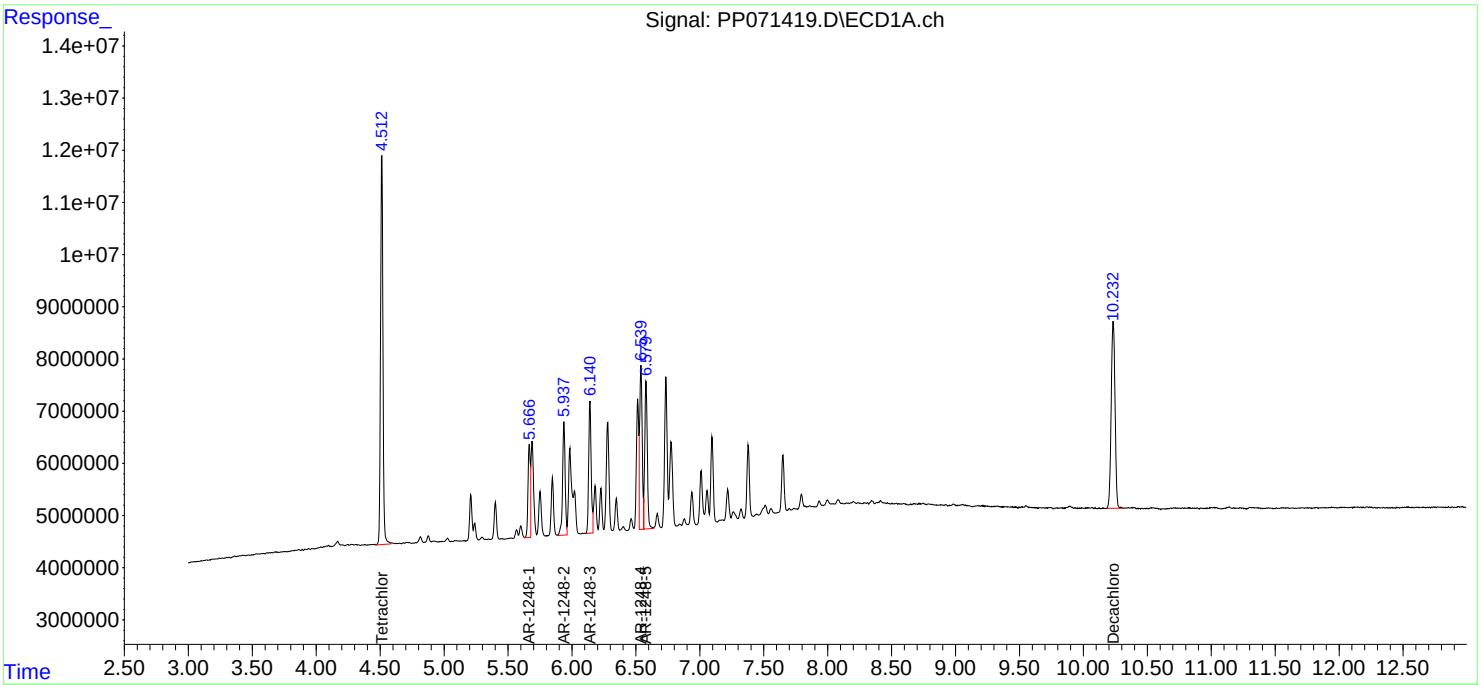
ICAL Form

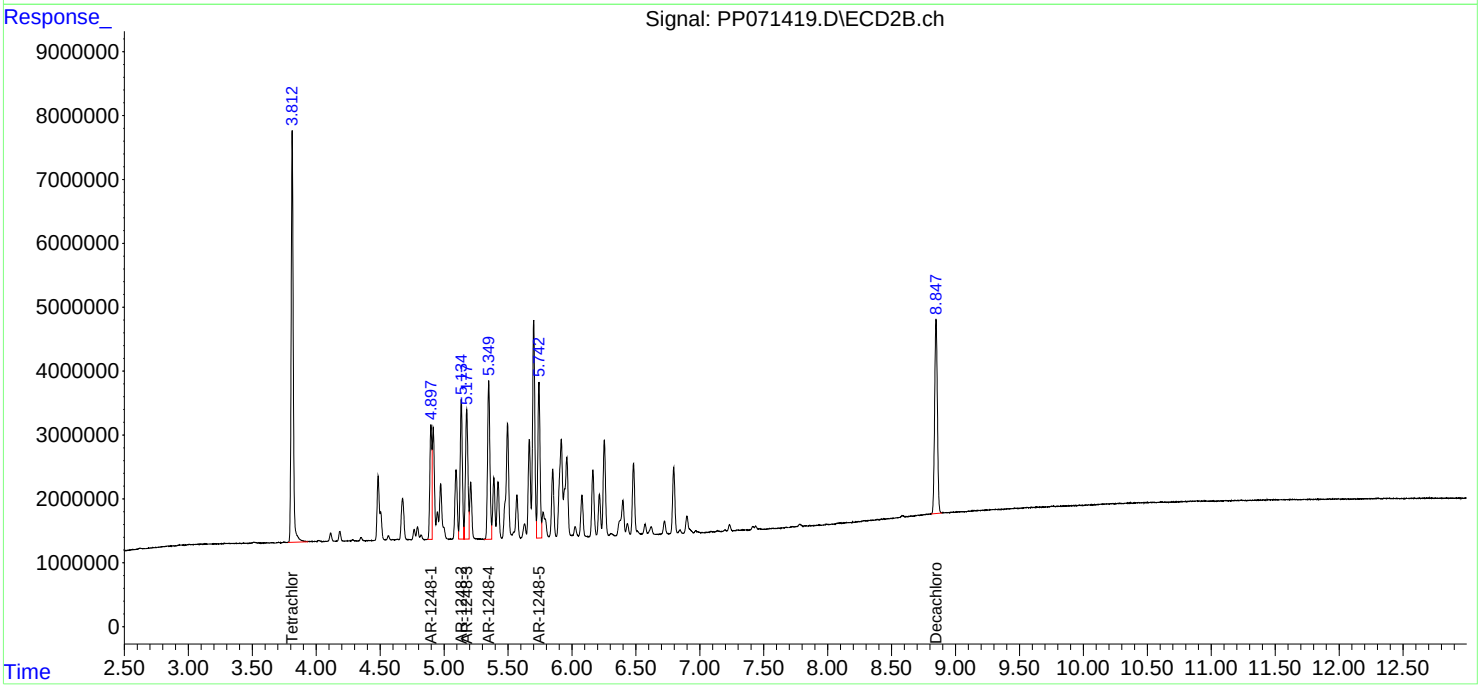
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 19:27
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 5 Sample Multiplier: 1

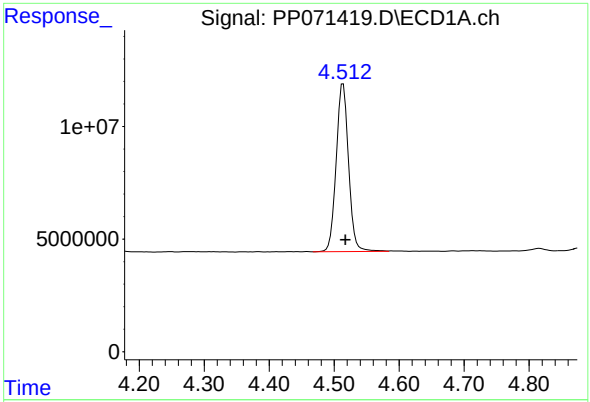
Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 07:42:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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



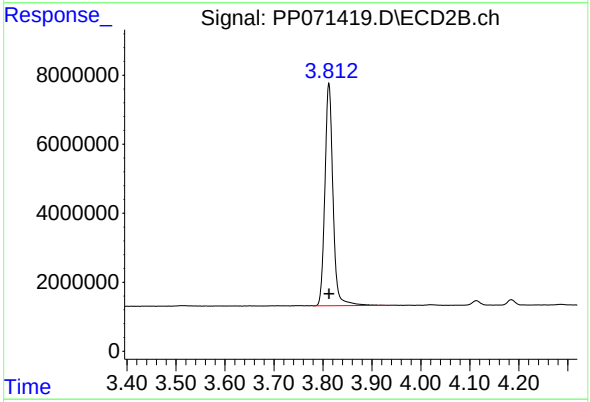




#1 Tetrachloro-m-xylene

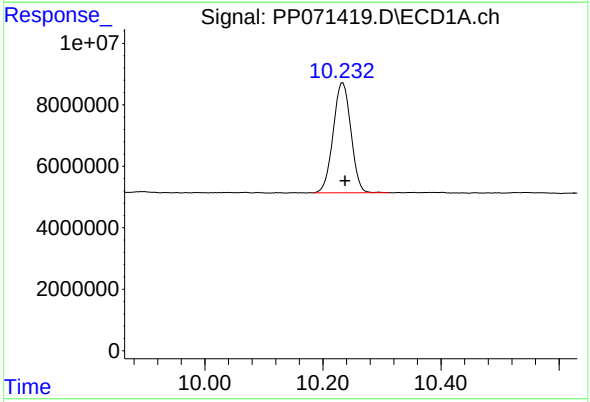
R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 98804591
Conc: 49.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1248



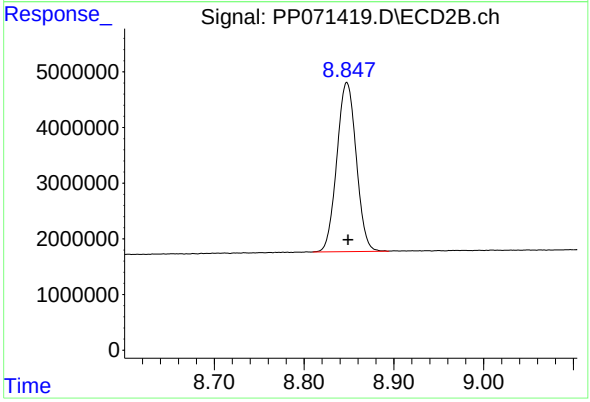
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 74071948
Conc: 52.58 ng/ml



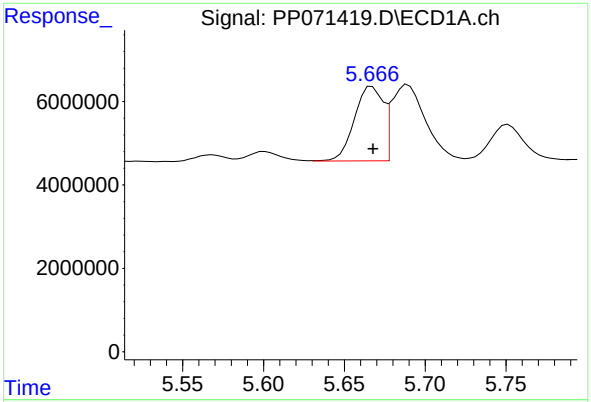
#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: -0.004 min
Response: 74699675
Conc: 51.59 ng/ml



#2 Decachlorobiphenyl

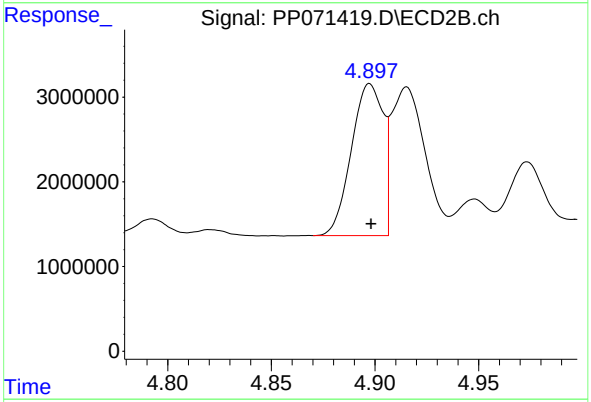
R.T.: 8.848 min
Delta R.T.: -0.001 min
Response: 45534064
Conc: 51.92 ng/ml



#21 AR-1248-1

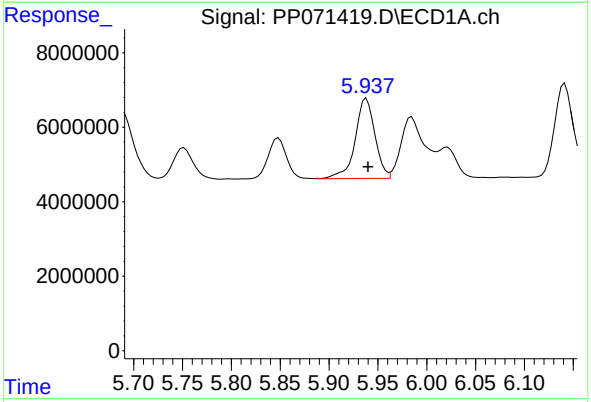
R.T.: 5.667 min
Delta R.T.: 0.000 min
Response: 22002964
Conc: 512.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1248



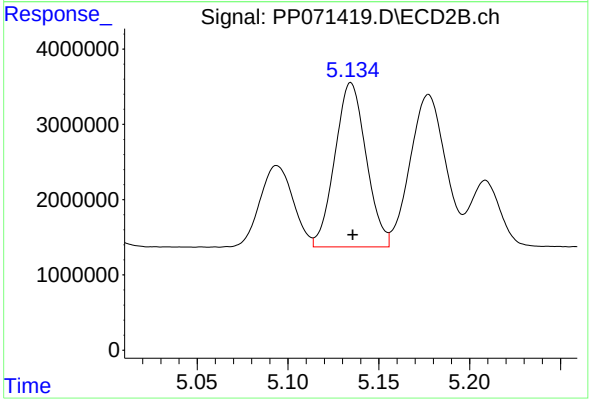
#21 AR-1248-1

R.T.: 4.897 min
Delta R.T.: 0.000 min
Response: 19168563
Conc: 530.89 ng/ml



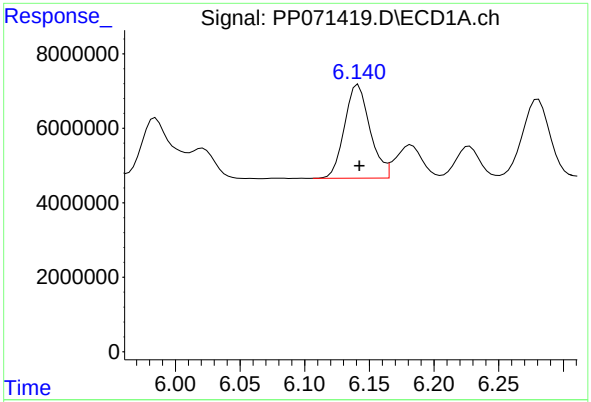
#22 AR-1248-2

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 30310191
Conc: 501.55 ng/ml



#22 AR-1248-2

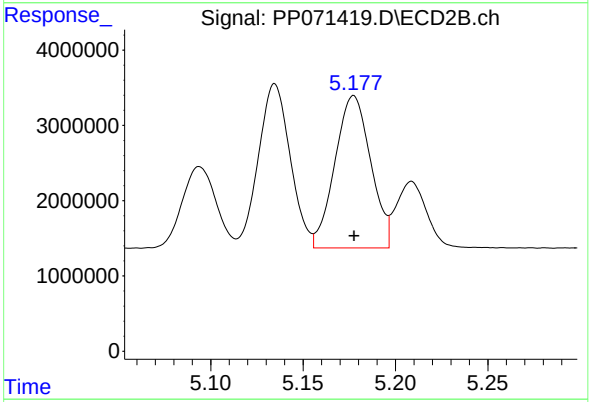
R.T.: 5.135 min
Delta R.T.: -0.001 min
Response: 26184570
Conc: 534.79 ng/ml



#23 AR-1248-3

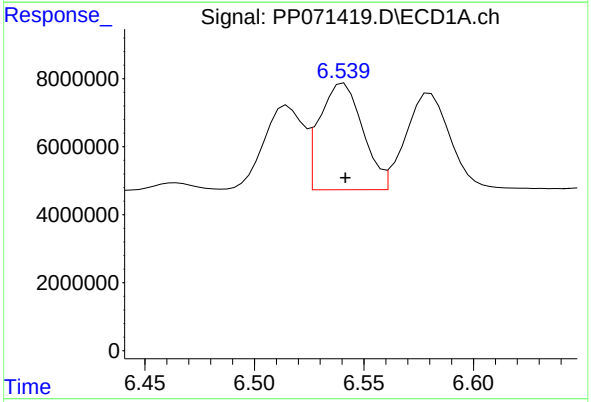
R.T.: 6.141 min
Delta R.T.: 0.000 min
Response: 34304891
Conc: 513.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1248



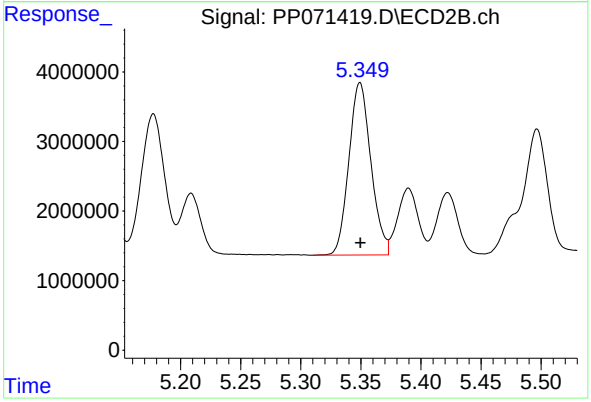
#23 AR-1248-3

R.T.: 5.177 min
Delta R.T.: 0.000 min
Response: 27346403
Conc: 535.31 ng/ml



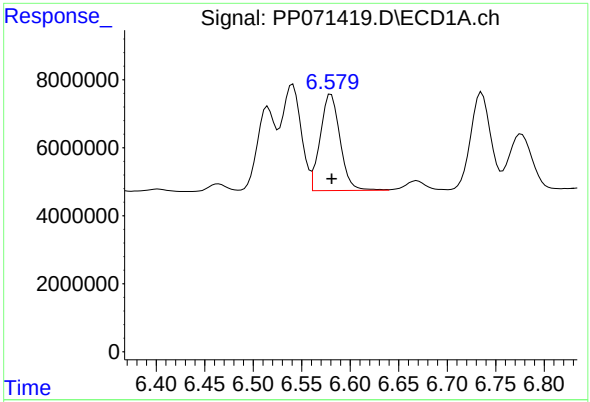
#24 AR-1248-4

R.T.: 6.541 min
Delta R.T.: 0.000 min
Response: 43159659
Conc: 510.10 ng/ml



#24 AR-1248-4

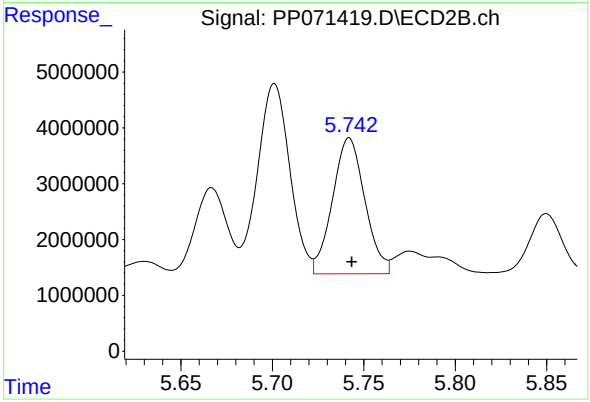
R.T.: 5.349 min
Delta R.T.: 0.000 min
Response: 31642146
Conc: 521.65 ng/ml



#25 AR-1248-5

R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 40310718
Conc: 507.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1248



#25 AR-1248-5

R.T.: 5.742 min
Delta R.T.: -0.001 min
Response: 30029077
Conc: 515.16 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 19:43
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 01:28:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 19:27:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.513	3.813	98111190	74345146	50.931	50.716
2)	SA Decachlor...	10.232	8.849	73988546	45066273	50.788	50.509
	Target Compounds						
26)	L6 AR-1254-1	6.517	5.702	41728109	42206013	509.183	461.771
27)	L6 AR-1254-2	6.733	5.850	64122746	35938664	504.601	456.583
28)	L6 AR-1254-3	7.097	6.254	64574948	56055056	505.381	473.005
29)	L6 AR-1254-4	7.379	6.482	58986526	36616929	501.956	474.524
30)	L6 AR-1254-5	7.796	6.900	55244441	47442452	512.803	467.562

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

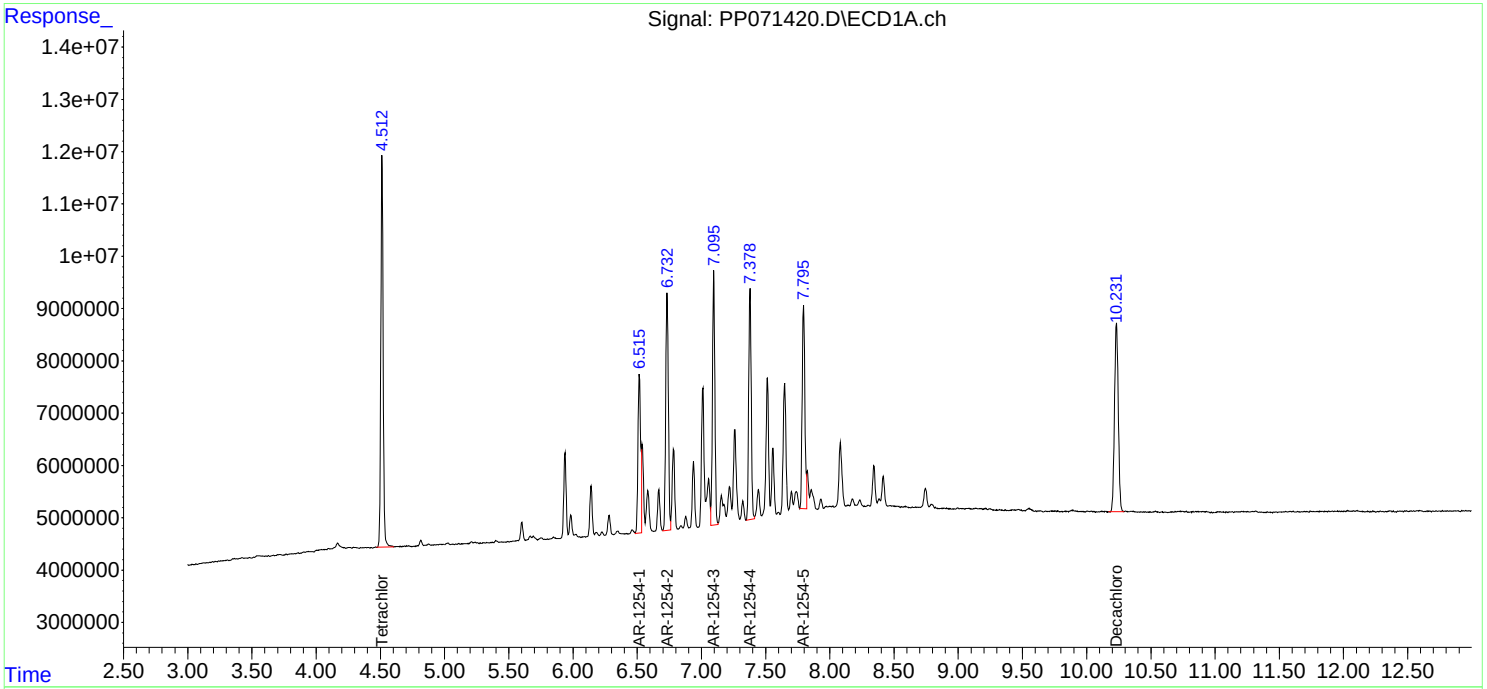
ICAL Form

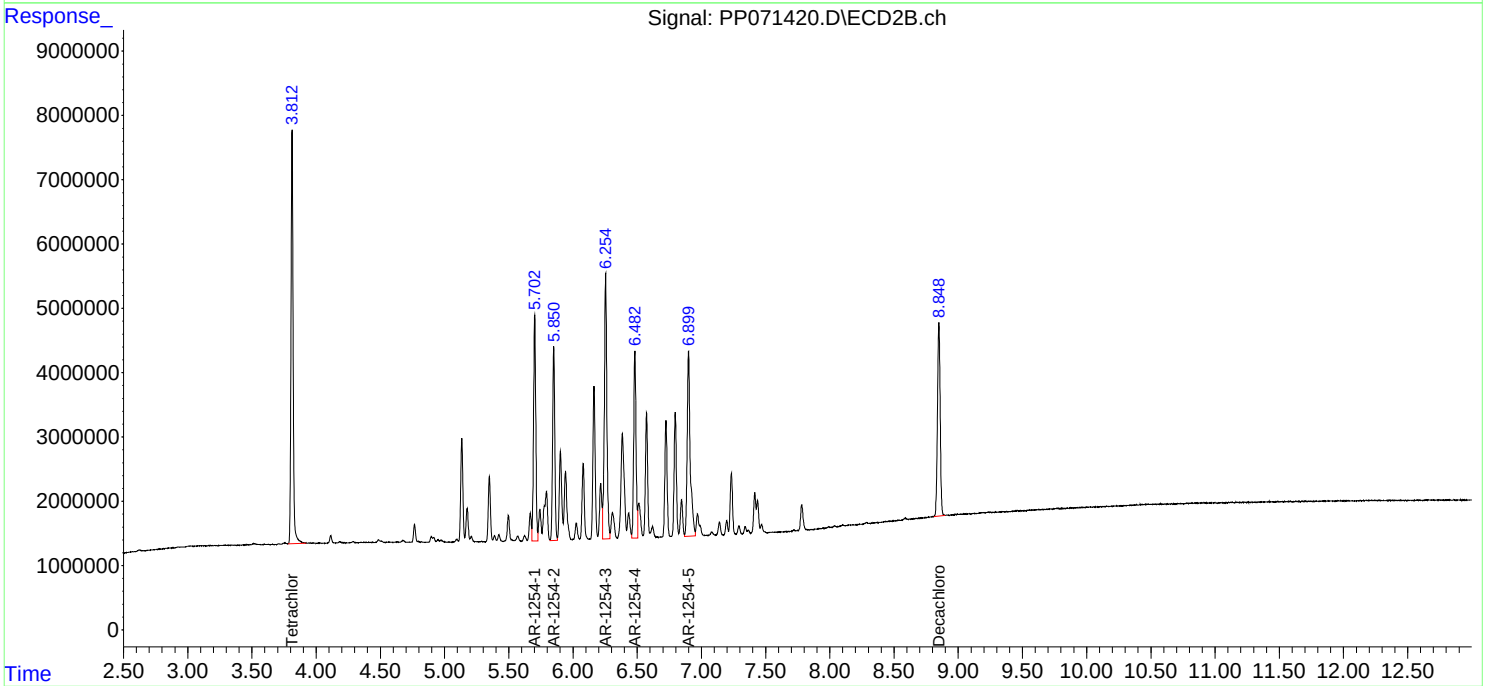
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 19:43
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

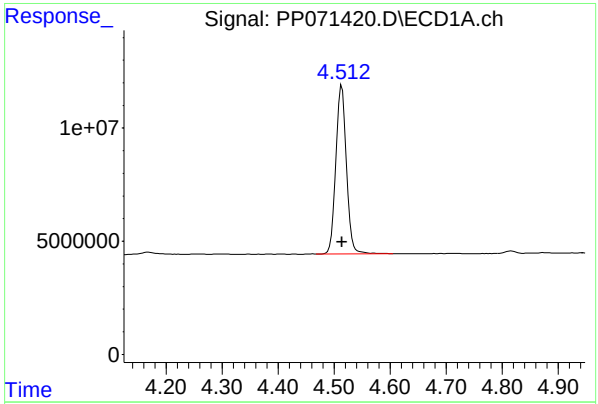
Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 01:28:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 19:27:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



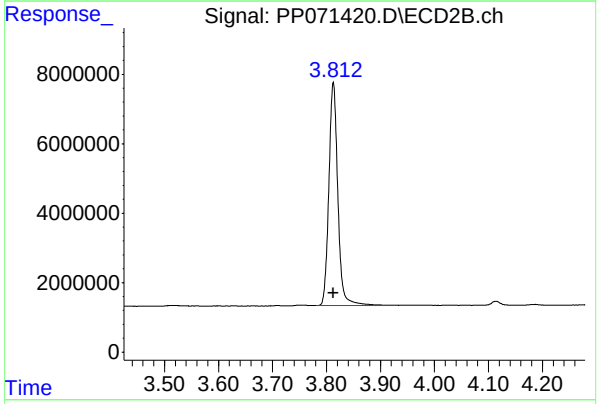




#1 Tetrachloro-m-xylene

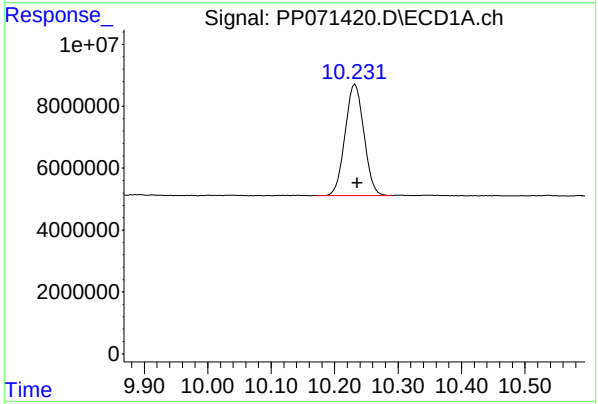
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 98111190
Conc: 50.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1254



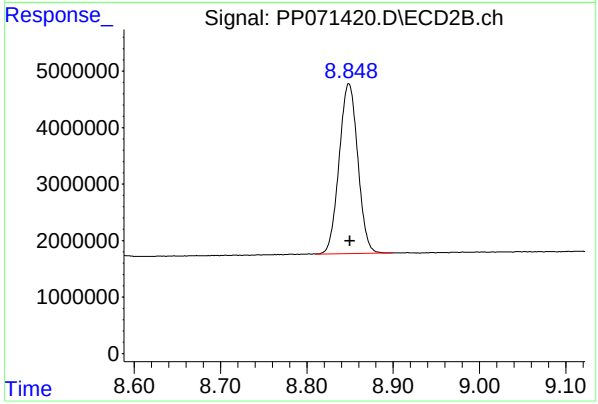
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 74345146
Conc: 50.72 ng/ml



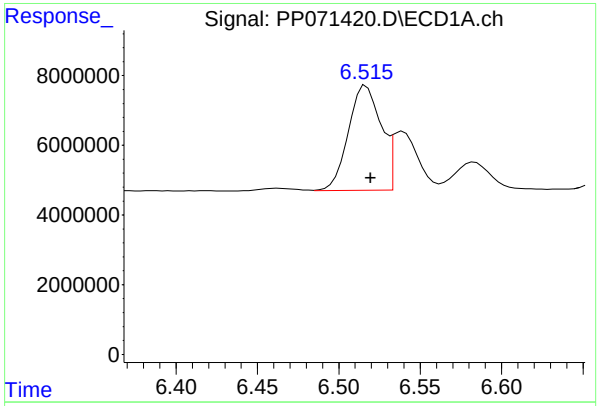
#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: -0.004 min
Response: 73988546
Conc: 50.79 ng/ml



#2 Decachlorobiphenyl

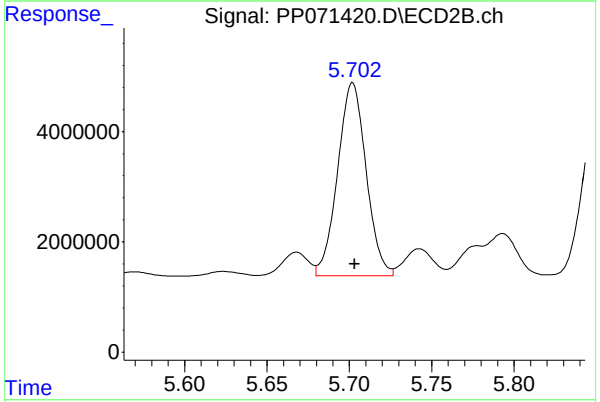
R.T.: 8.849 min
Delta R.T.: -0.001 min
Response: 45066273
Conc: 50.51 ng/ml



#26 AR-1254-1

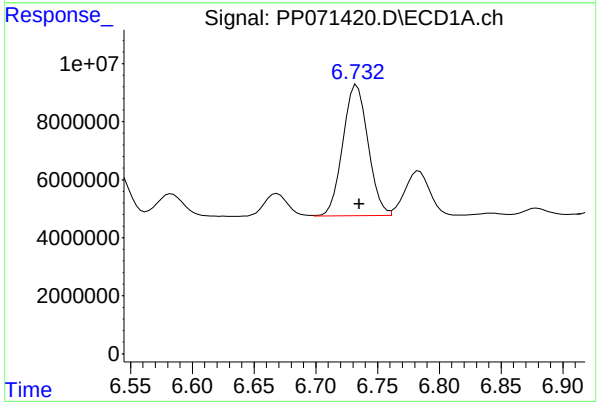
R.T.: 6.517 min
Delta R.T.: -0.003 min
Response: 41728109
Conc: 509.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1254



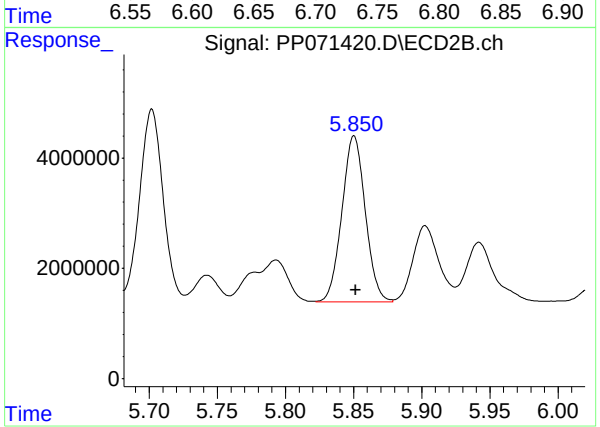
#26 AR-1254-1

R.T.: 5.702 min
Delta R.T.: -0.001 min
Response: 42206013
Conc: 461.77 ng/ml



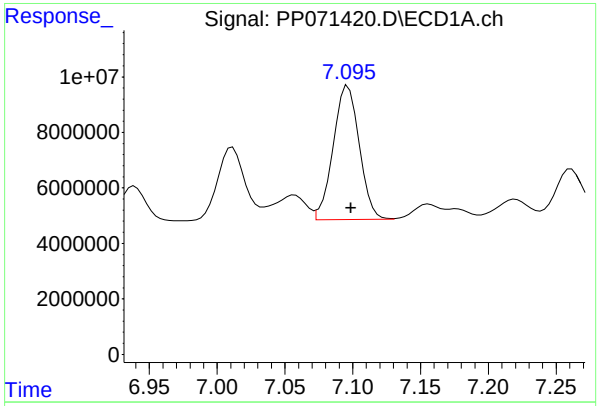
#27 AR-1254-2

R.T.: 6.733 min
Delta R.T.: -0.002 min
Response: 64122746
Conc: 504.60 ng/ml



#27 AR-1254-2

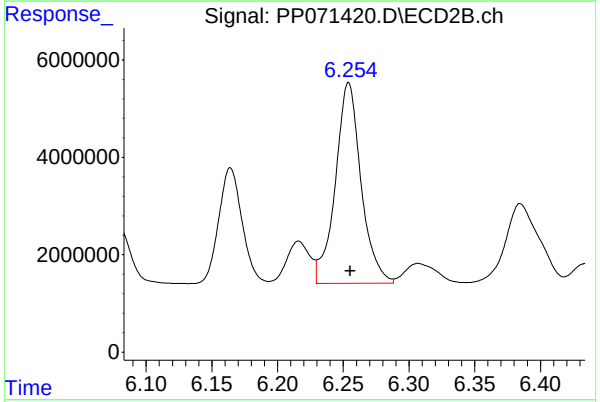
R.T.: 5.850 min
Delta R.T.: -0.001 min
Response: 35938664
Conc: 456.58 ng/ml



#28 AR-1254-3

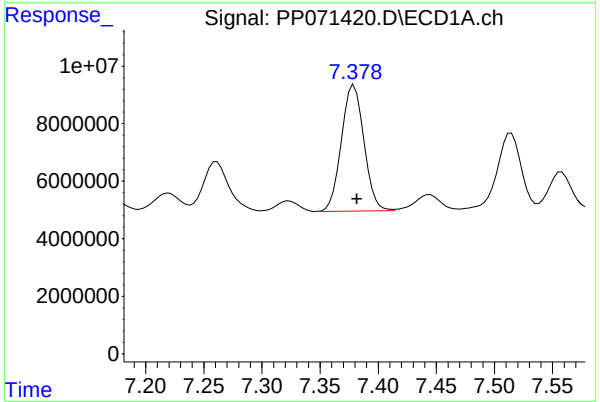
R.T.: 7.097 min
Delta R.T.: -0.002 min
Response: 64574948
Conc: 505.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1254



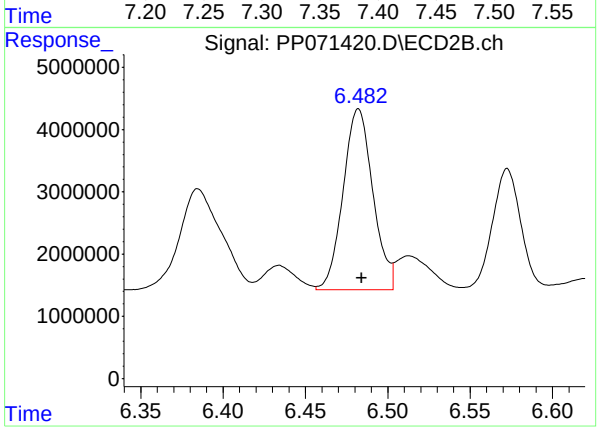
#28 AR-1254-3

R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 56055056
Conc: 473.01 ng/ml



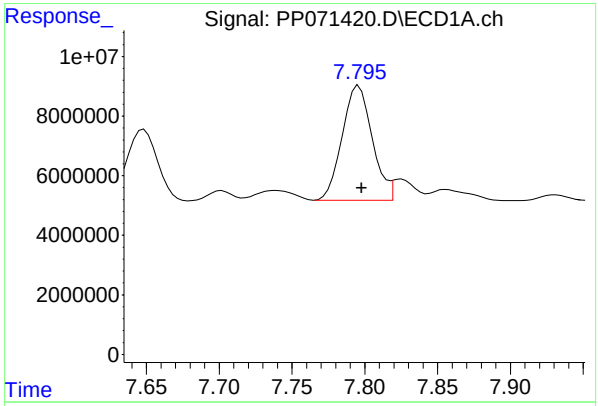
#29 AR-1254-4

R.T.: 7.379 min
Delta R.T.: -0.003 min
Response: 58986526
Conc: 501.96 ng/ml



#29 AR-1254-4

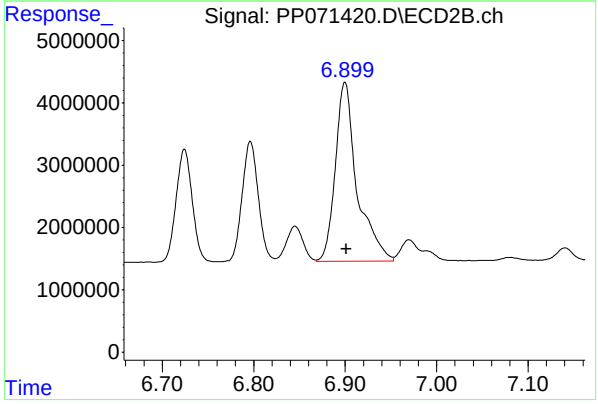
R.T.: 6.482 min
Delta R.T.: -0.002 min
Response: 36616929
Conc: 474.52 ng/ml



#30 AR-1254-5

R.T.: 7.796 min
Delta R.T.: -0.002 min
Response: 55244441
Conc: 512.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1254



#30 AR-1254-5

R.T.: 6.900 min
Delta R.T.: -0.002 min
Response: 47442452
Conc: 467.56 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 20:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.516	3.814	98428428	75098106	49.661	51.289
2)	SA Decachlor...	10.234	8.850	131.8E6	79464849	49.365	49.579
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	157.9E6	98709054	493.783	486.283m
42)	L9 AR-1268-2	8.827	7.788	132.3E6	84218105	493.704	487.500
43)	L9 AR-1268-3	9.058	7.992	112.3E6	69254815	498.379	484.016
44)	L9 AR-1268-4	9.477	8.286	48904008	30724632	493.945	483.689
45)	L9 AR-1268-5	9.894	8.588	309.0E6	189.8E6	497.455	492.818

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 20:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

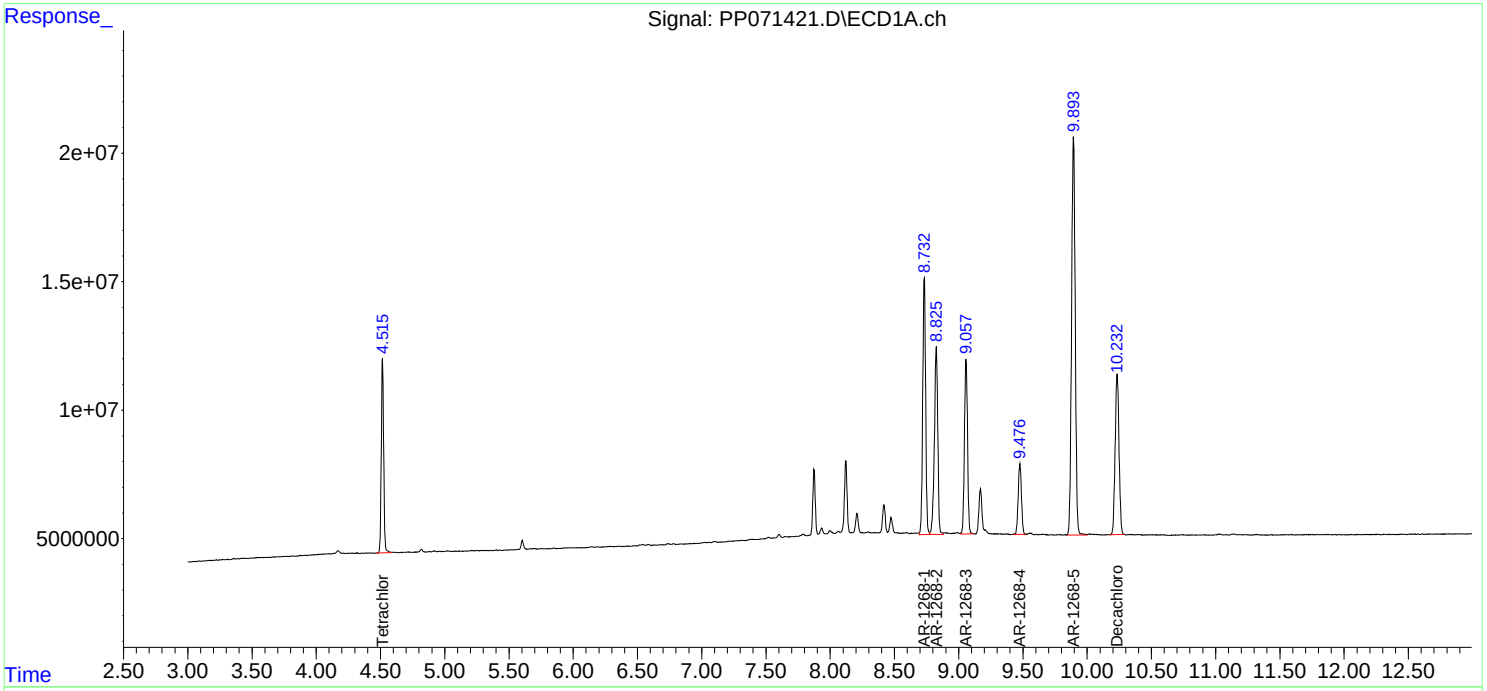
Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

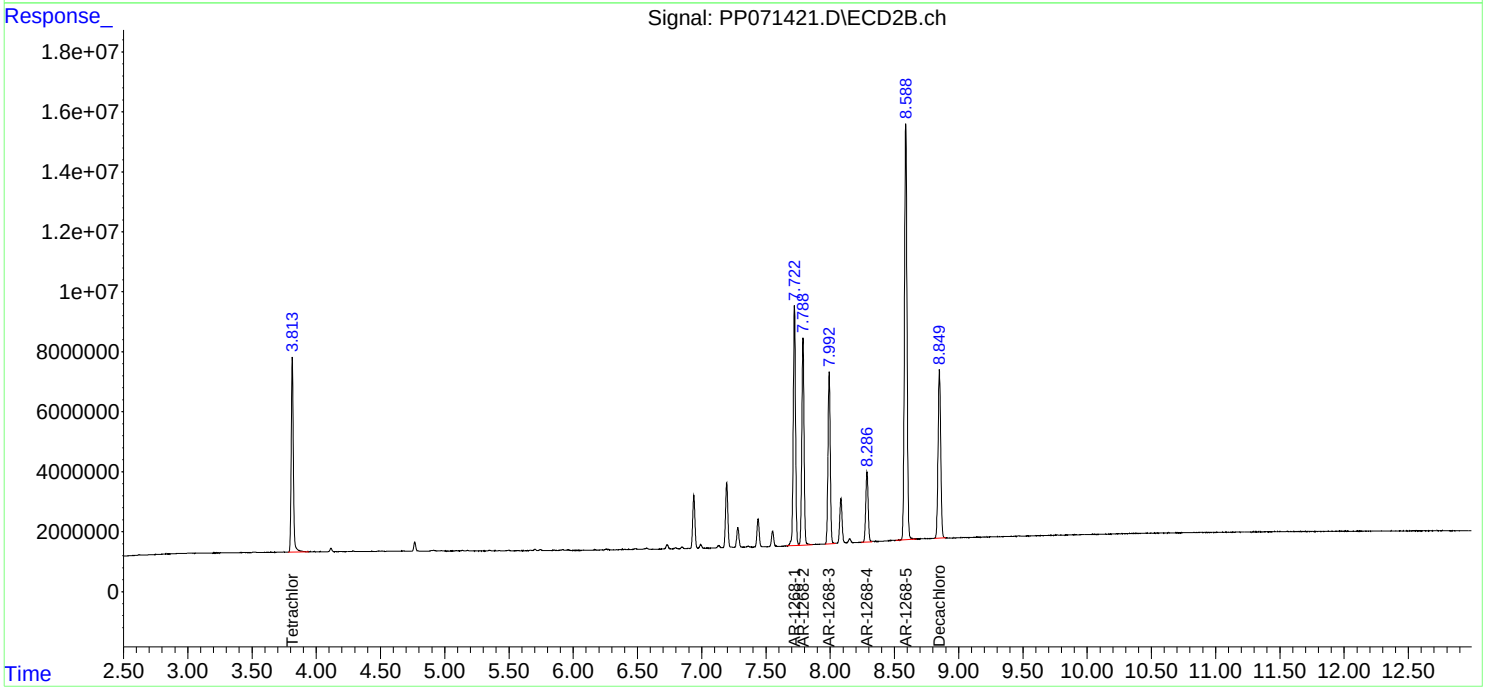
Manual Integrations APPROVED

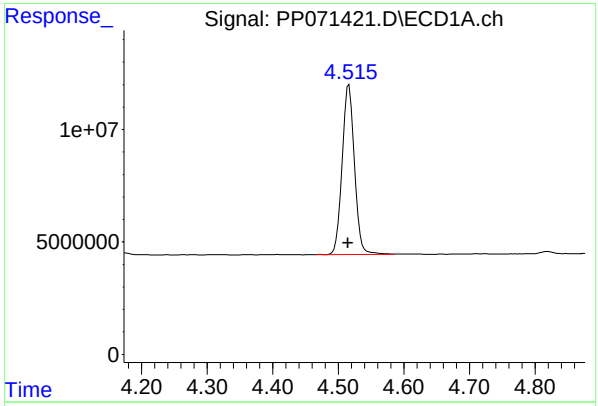
Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 04:47:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 04:41:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







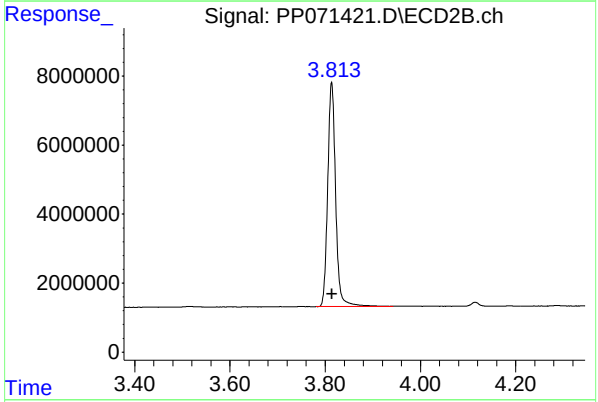
#1 Tetrachloro-m-xylene

R.T.: 4.516 min
Delta R.T.: 0.001 min
Response: 98428428
Conc: 49.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

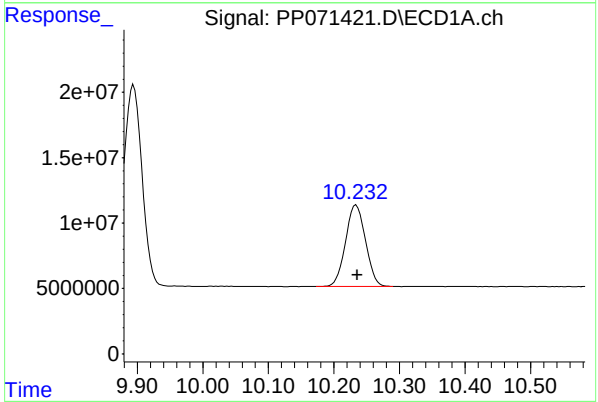
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



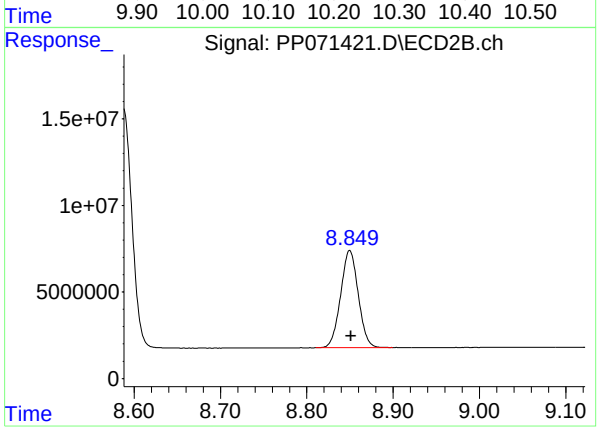
#1 Tetrachloro-m-xylene

R.T.: 3.814 min
Delta R.T.: 0.000 min
Response: 75098106
Conc: 51.29 ng/ml



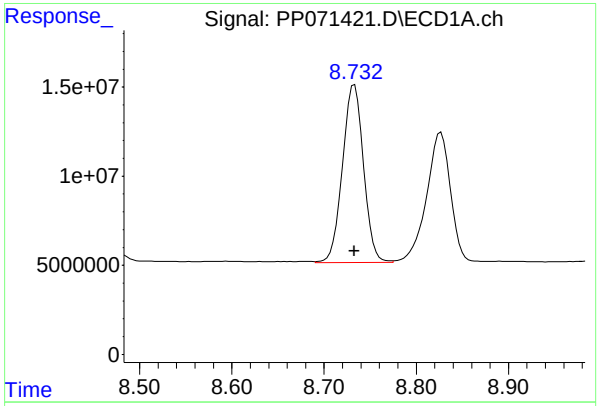
#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: -0.002 min
Response: 131775212
Conc: 49.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.850 min
Delta R.T.: -0.001 min
Response: 79464849
Conc: 49.58 ng/ml



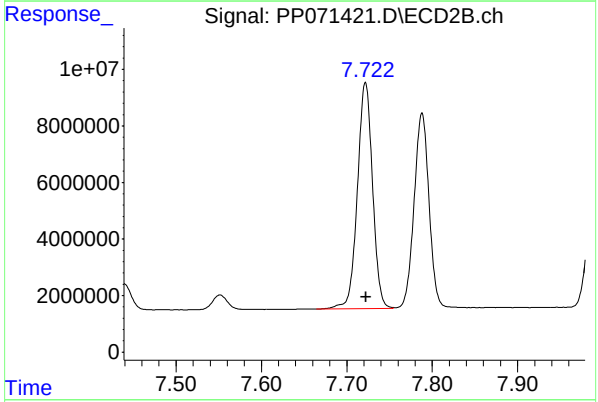
#41 AR-1268-1

R.T.: 8.733 min
Delta R.T.: 0.000 mi
Response: 157884565
Conc: 493.78 ng/m

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

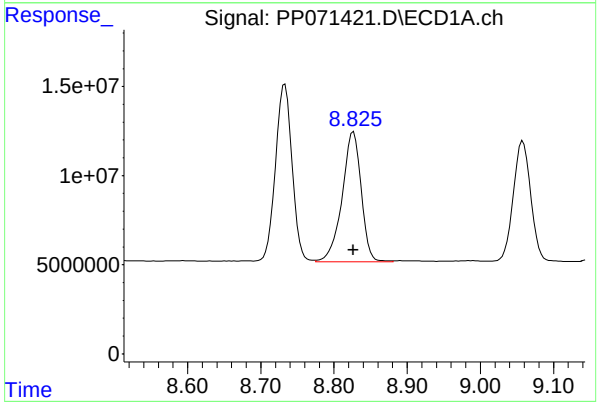
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



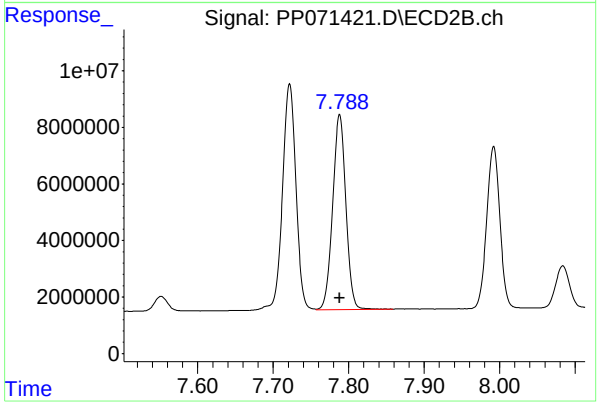
#41 AR-1268-1

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 98709054
Conc: 486.28 ng/ml m



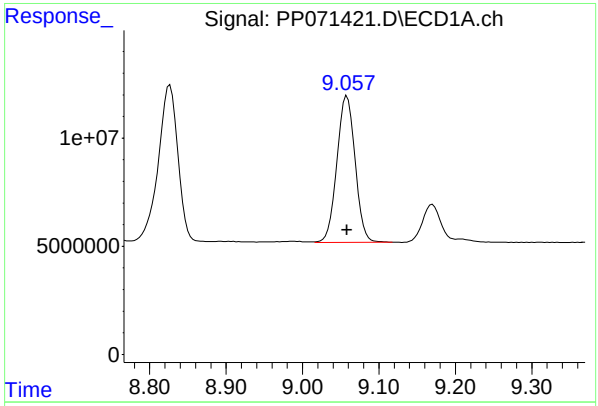
#42 AR-1268-2

R.T.: 8.827 min
Delta R.T.: 0.000 min
Response: 132293136
Conc: 493.70 ng/ml



#42 AR-1268-2

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 84218105
Conc: 487.50 ng/ml



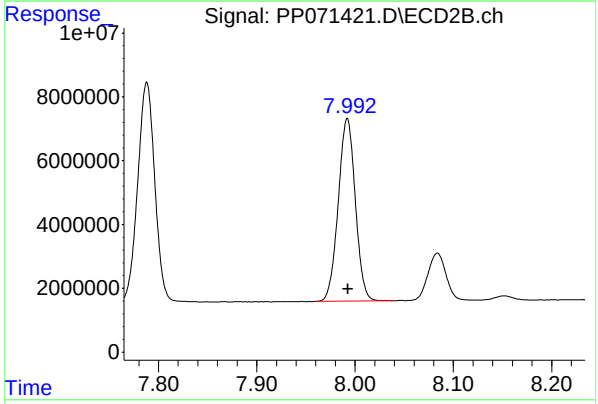
#43 AR-1268-3

R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 112276971
Conc: 498.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

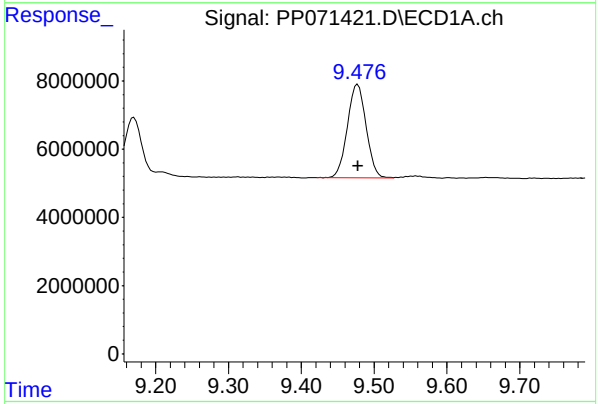
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



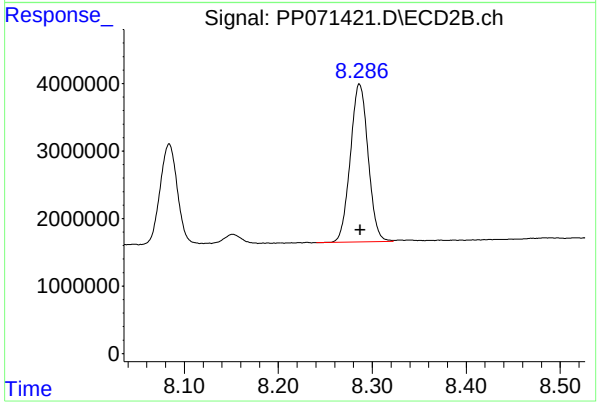
#43 AR-1268-3

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 69254815
Conc: 484.02 ng/ml



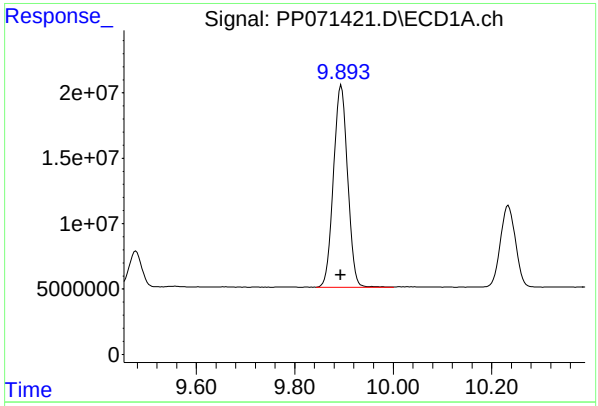
#44 AR-1268-4

R.T.: 9.477 min
Delta R.T.: 0.000 min
Response: 48904008
Conc: 493.94 ng/ml



#44 AR-1268-4

R.T.: 8.286 min
Delta R.T.: 0.000 min
Response: 30724632
Conc: 483.69 ng/ml



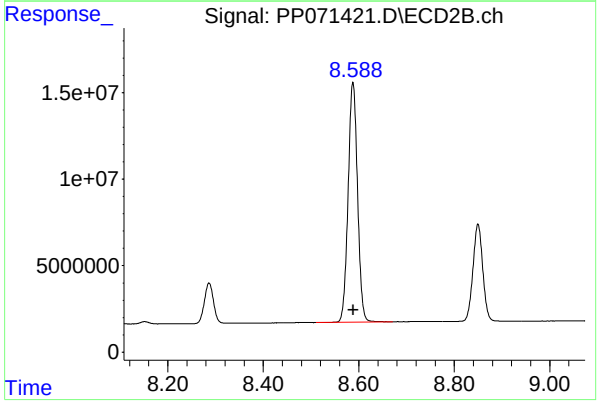
#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 308950692
Conc: 497.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/23/2025
Supervised By :mohammad ahmed 04/24/2025



#45 AR-1268-5

R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 189821225
Conc: 492.82 ng/ml

Raw Data: **PO111005.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 09:07 **Initial Calibration Time(s):** 09:45 18:29

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)	4.78	4.77	4.67	4.87	-0.01
Aroclor-1016-2	(2)	4.80	4.79	4.69	4.89	-0.01
Aroclor-1016-3	(3)	4.86	4.85	4.75	4.95	-0.01
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.83	6.82	6.72	6.92	-0.01
Aroclor-1260-4	(4)	7.09	7.08	6.98	7.18	-0.01
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.68	3.58	3.78	-0.01
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00

Raw Data: **PO111005.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 09:07 **Initial Calibration Time(s):** 09:45 18:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111005.D **Time Analyzed:** 09:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.779	4.673	4.873	436.510	500.000	-12.7
Aroclor-1016-2	4.797	4.692	4.892	443.860	500.000	-11.2
Aroclor-1016-3	4.855	4.748	4.948	419.940	500.000	-16.0
Aroclor-1016-4	4.974	4.868	5.068	451.560	500.000	-9.7
Aroclor-1016-5	5.232	5.125	5.325	439.380	500.000	-12.1
Aroclor-1260-1	6.271	6.165	6.365	410.080	500.000	-18.0
Aroclor-1260-2	6.460	6.355	6.555	405.250	500.000	-19.0
Aroclor-1260-3	6.828	6.722	6.922	427.730	500.000	-14.5
Aroclor-1260-4	7.087	6.982	7.182	425.430	500.000	-14.9
Aroclor-1260-5	7.330	7.225	7.425	423.880	500.000	-15.2
Decachlorobiphenyl	8.730	8.625	8.825	39.450	50.000	-21.1
Tetrachloro-m-xylene	3.689	3.583	3.783	49.390	50.000	-1.2

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111005.D **Time Analyzed:** 09:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.759	4.660	4.860	509.500	500.000	1.9
Aroclor-1016-2	4.777	4.679	4.879	513.910	500.000	2.8
Aroclor-1016-3	4.953	4.854	5.054	513.680	500.000	2.7
Aroclor-1016-4	4.995	4.896	5.096	516.840	500.000	3.4
Aroclor-1016-5	5.208	5.109	5.309	512.990	500.000	2.6
Aroclor-1260-1	6.238	6.139	6.339	503.590	500.000	0.7
Aroclor-1260-2	6.426	6.327	6.527	503.420	500.000	0.7
Aroclor-1260-3	6.579	6.480	6.680	507.610	500.000	1.5
Aroclor-1260-4	7.049	6.950	7.150	498.820	500.000	-0.2
Aroclor-1260-5	7.290	7.192	7.392	502.970	500.000	0.6
Decachlorobiphenyl	8.675	8.576	8.776	51.610	50.000	3.2
Tetrachloro-m-xylene	3.680	3.580	3.780	54.190	50.000	8.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 09:07
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:49:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.689	3.680	282.6E6	262.5E6	49.392	54.191
2)	SA Decachlor...	8.730	8.675	240.7E6	87071592	39.446	51.605 #
	Target Compounds						
3)	L1 AR-1016-1	4.779	4.759	96475163	80948587	436.511	509.504
4)	L1 AR-1016-2	4.797	4.777	137.7E6	117.5E6	443.855	513.907
5)	L1 AR-1016-3	4.855	4.953	96042106	62636217	419.944	513.680
6)	L1 AR-1016-4	4.974	4.995	75498058	52077482	451.563	516.842
7)	L1 AR-1016-5	5.232	5.208	78249175	67408454	439.383	512.991
31)	L7 AR-1260-1	6.271	6.238	136.4E6	111.2E6	410.082	503.588
32)	L7 AR-1260-2	6.460	6.426	168.1E6	129.5E6	405.252	503.420
33)	L7 AR-1260-3	6.828	6.579	150.7E6	118.3E6	427.731	507.611
34)	L7 AR-1260-4	7.087	7.049	129.4E6	90833263	425.428	498.821
35)	L7 AR-1260-5	7.330	7.290	311.3E6	197.8E6	423.876	502.973

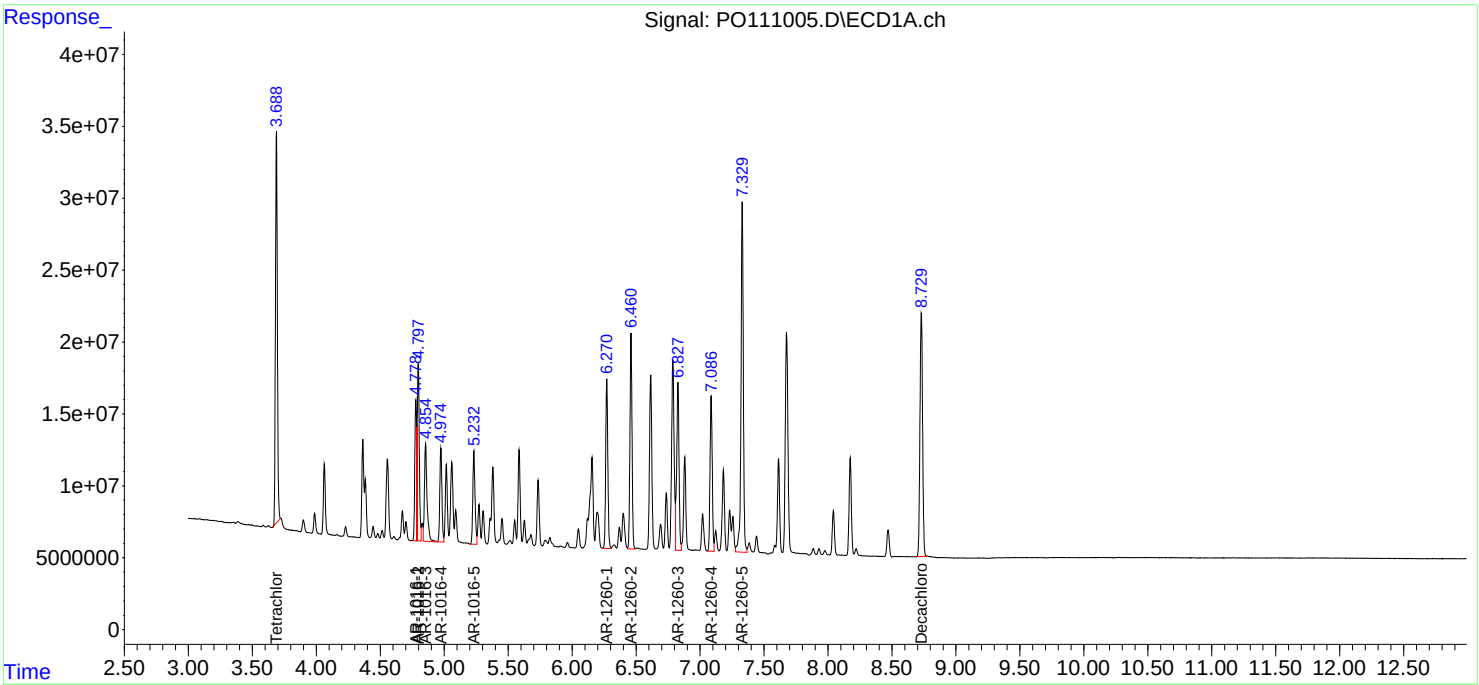
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

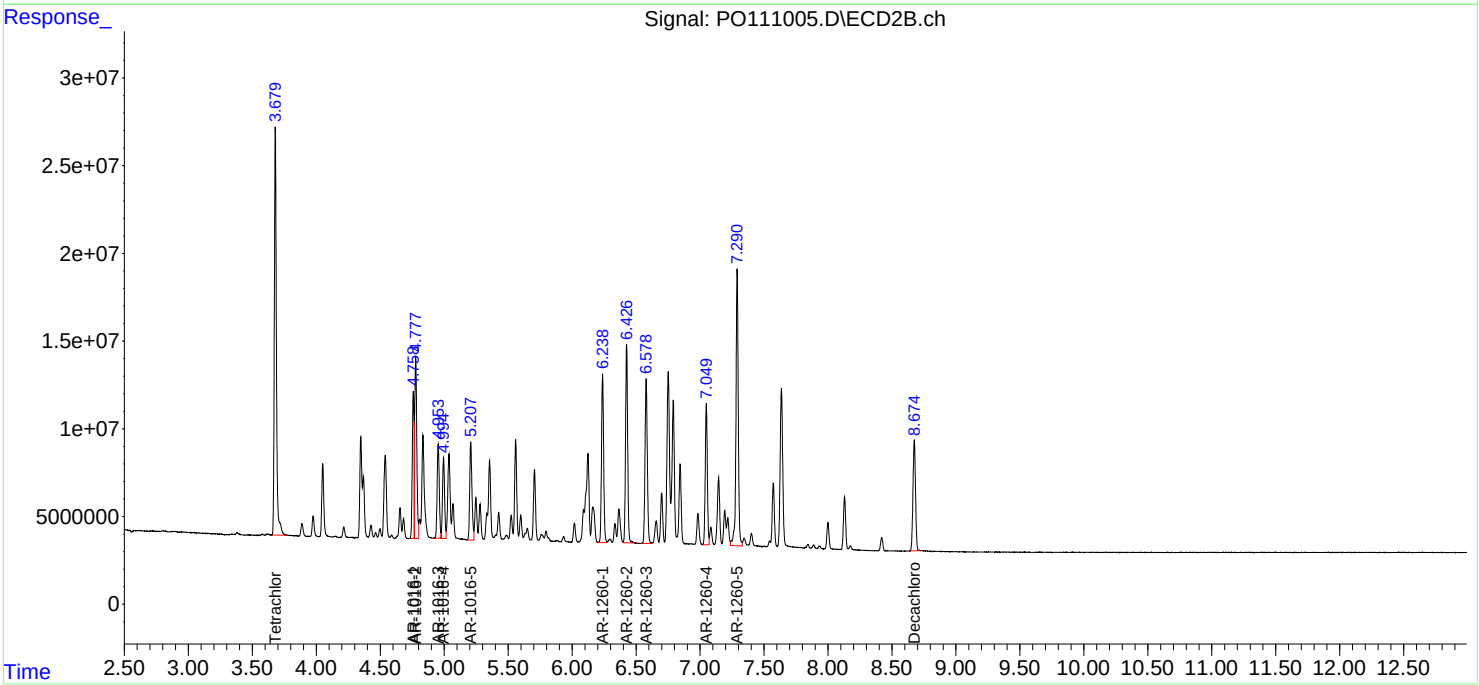
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 09:07
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

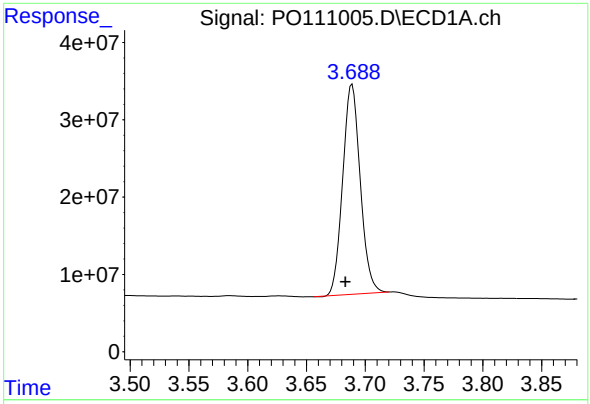
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:49:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



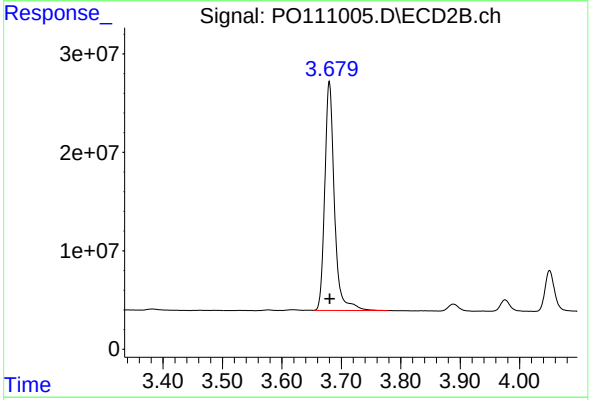




#1 Tetrachloro-m-xylene

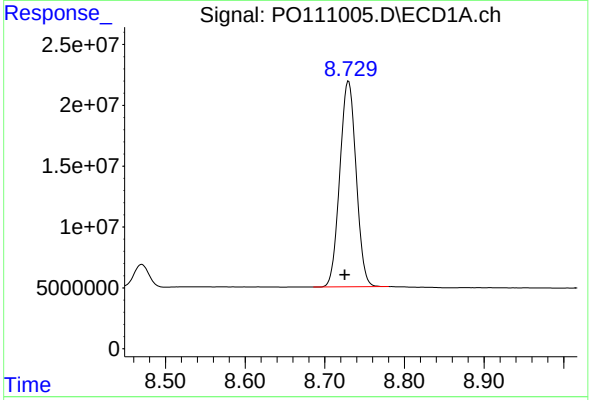
R.T.: 3.689 min
Delta R.T.: 0.006 min
Response: 282559373
Conc: 49.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



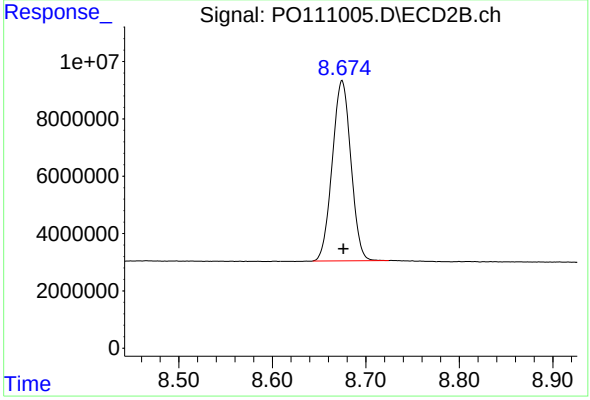
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 262452422
Conc: 54.19 ng/ml



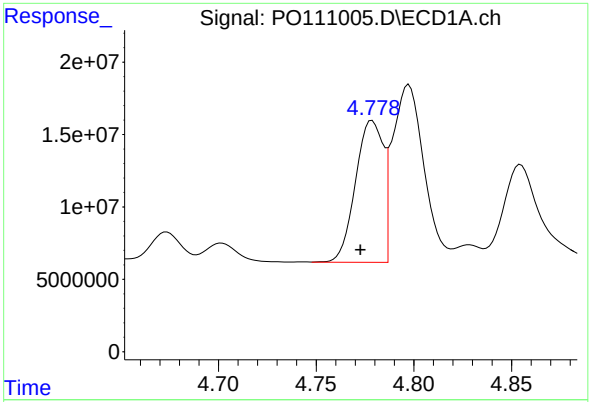
#2 Decachlorobiphenyl

R.T.: 8.730 min
Delta R.T.: 0.005 min
Response: 240716649
Conc: 39.45 ng/ml



#2 Decachlorobiphenyl

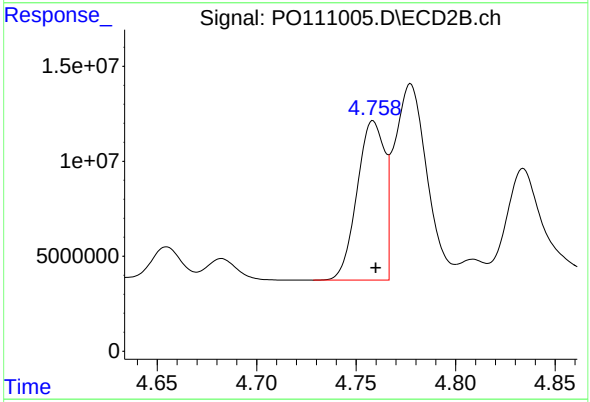
R.T.: 8.675 min
Delta R.T.: -0.001 min
Response: 87071592
Conc: 51.61 ng/ml



#3 AR-1016-1

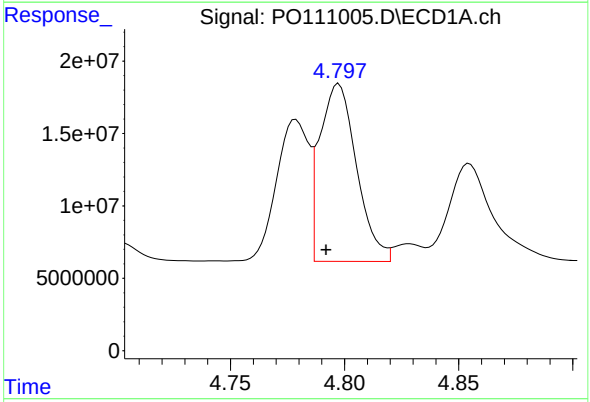
R.T.: 4.779 min
Delta R.T.: 0.006 min
Response: 96475163
Conc: 436.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



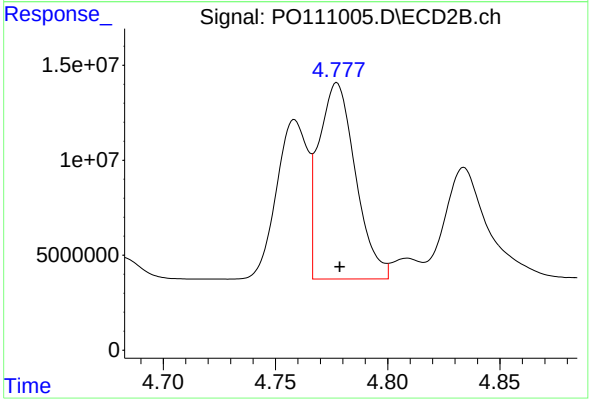
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: -0.001 min
Response: 80948587
Conc: 509.50 ng/ml



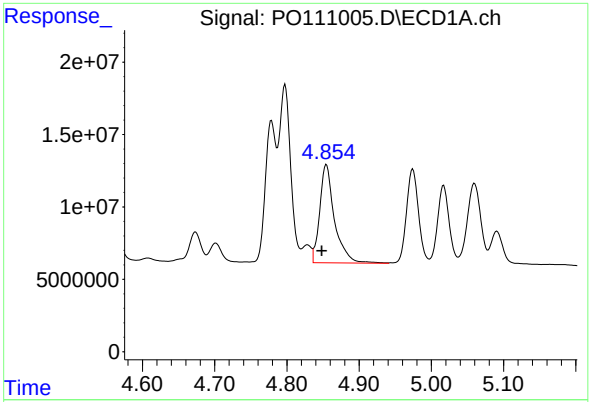
#4 AR-1016-2

R.T.: 4.797 min
Delta R.T.: 0.006 min
Response: 137671448
Conc: 443.86 ng/ml



#4 AR-1016-2

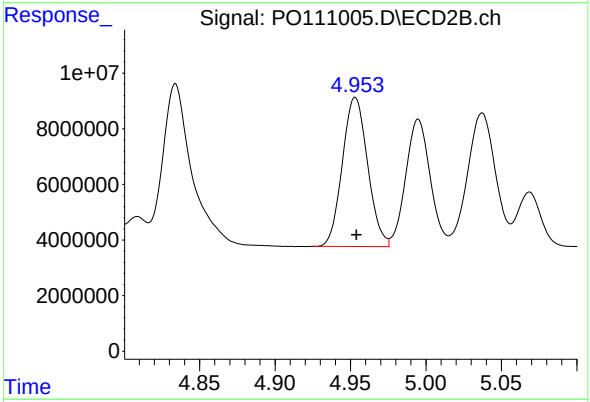
R.T.: 4.777 min
Delta R.T.: -0.001 min
Response: 117462491
Conc: 513.91 ng/ml



#5 AR-1016-3

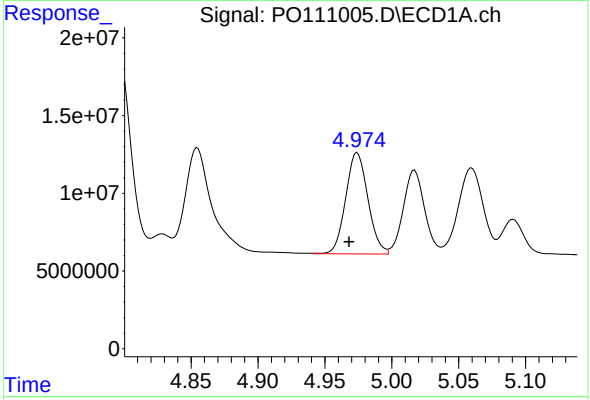
R.T.: 4.855 min
Delta R.T.: 0.006 min
Response: 96042106
Conc: 419.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



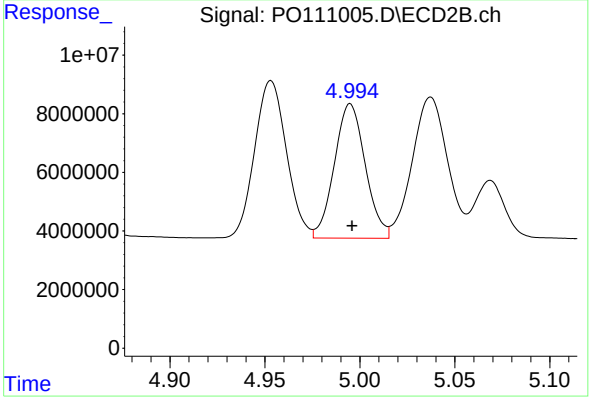
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 62636217
Conc: 513.68 ng/ml



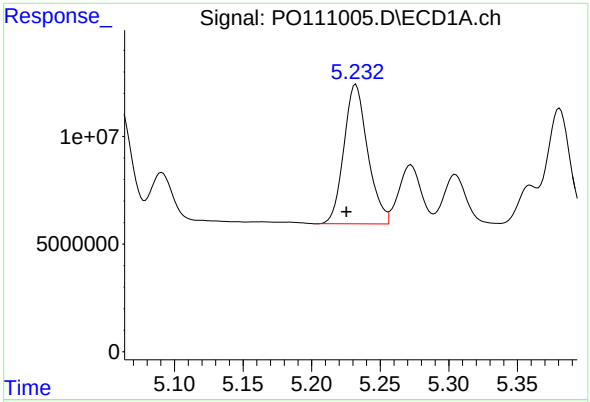
#6 AR-1016-4

R.T.: 4.974 min
Delta R.T.: 0.006 min
Response: 75498058
Conc: 451.56 ng/ml



#6 AR-1016-4

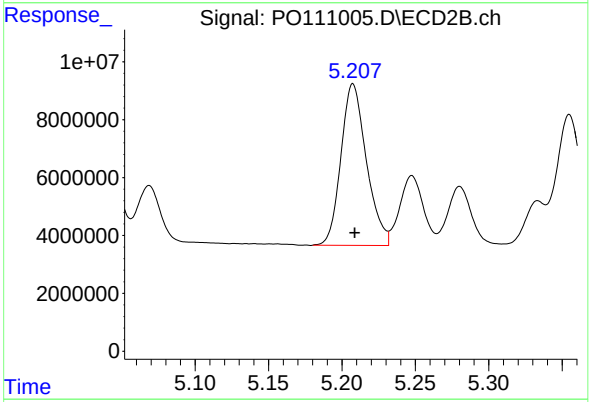
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 52077482
Conc: 516.84 ng/ml



#7 AR-1016-5

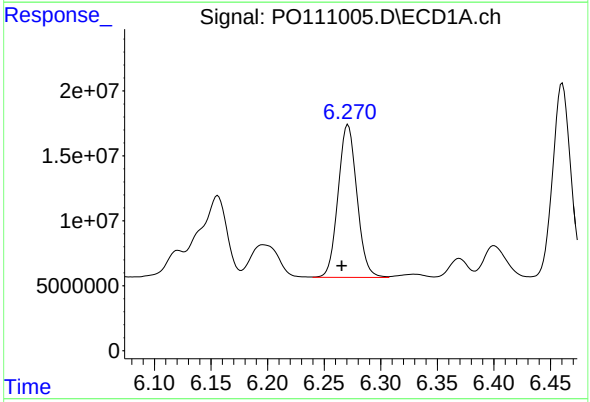
R.T.: 5.232 min
Delta R.T.: 0.007 min
Response: 78249175
Conc: 439.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



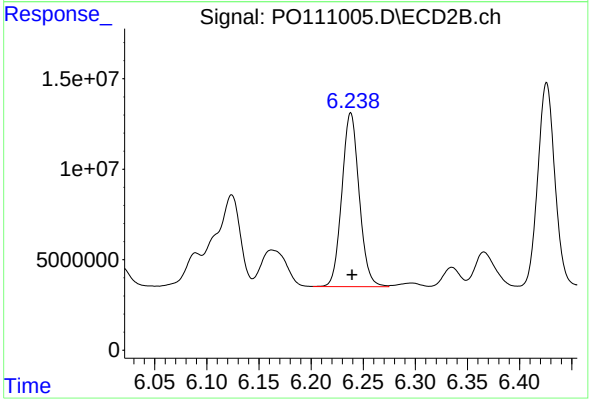
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: -0.001 min
Response: 67408454
Conc: 512.99 ng/ml



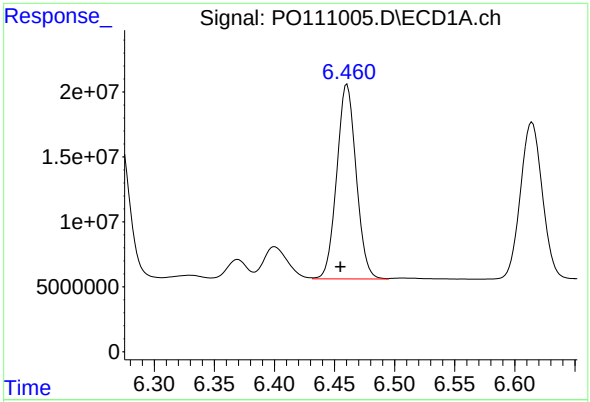
#31 AR-1260-1

R.T.: 6.271 min
Delta R.T.: 0.006 min
Response: 136402693
Conc: 410.08 ng/ml



#31 AR-1260-1

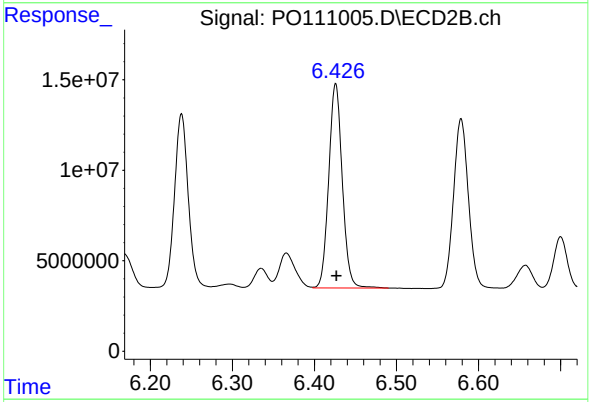
R.T.: 6.238 min
Delta R.T.: -0.001 min
Response: 111176815
Conc: 503.59 ng/ml



#32 AR-1260-2

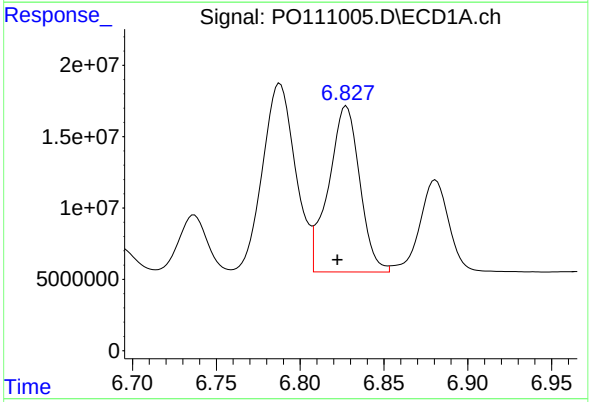
R.T.: 6.460 min
Delta R.T.: 0.006 min
Response: 168103704
Conc: 405.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



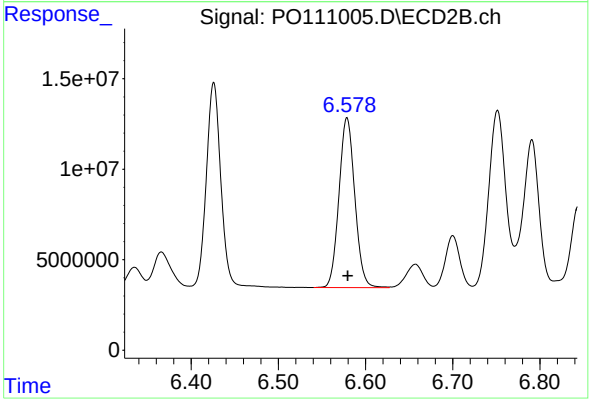
#32 AR-1260-2

R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 129494065
Conc: 503.42 ng/ml



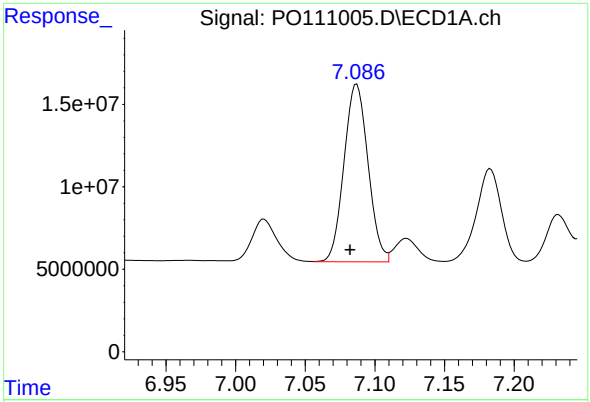
#33 AR-1260-3

R.T.: 6.828 min
Delta R.T.: 0.005 min
Response: 150675063
Conc: 427.73 ng/ml



#33 AR-1260-3

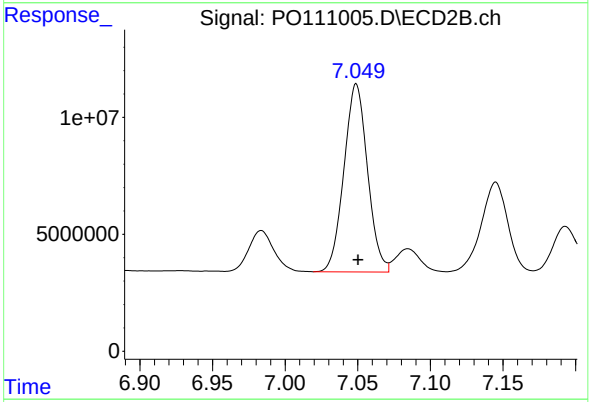
R.T.: 6.579 min
Delta R.T.: -0.001 min
Response: 118346395
Conc: 507.61 ng/ml



#34 AR-1260-4

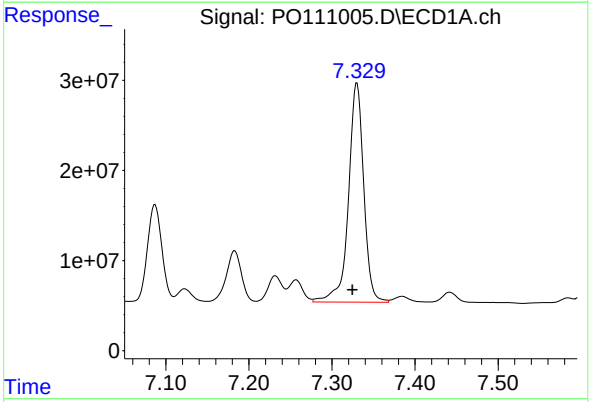
R.T.: 7.087 min
Delta R.T.: 0.005 min
Response: 129430588
Conc: 425.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



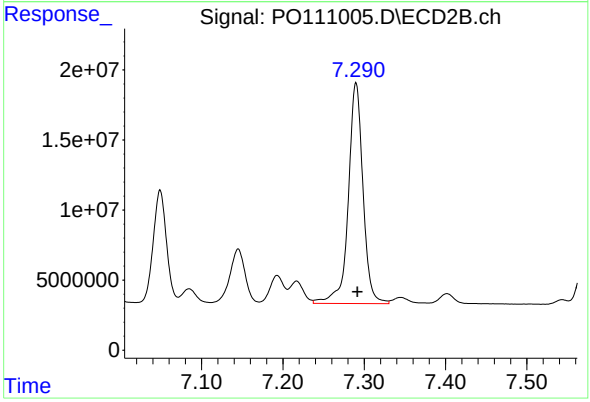
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: -0.001 min
Response: 90833263
Conc: 498.82 ng/ml



#35 AR-1260-5

R.T.: 7.330 min
Delta R.T.: 0.005 min
Response: 311288969
Conc: 423.88 ng/ml



#35 AR-1260-5

R.T.: 7.290 min
Delta R.T.: -0.002 min
Response: 197765714
Conc: 502.97 ng/ml

Raw Data: **PO111020.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 17:31 **Initial Calibration Time(s):** 09:45 18:29

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.69	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.73	8.63	8.83	0.01

Raw Data: **PO111020.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 17:31 **Initial Calibration Time(s):** 09:45 18:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111020.D **Time Analyzed:** 17:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.774	4.673	4.873	454.830	500.000	-9.0
Aroclor-1016-2	4.793	4.692	4.892	463.540	500.000	-7.3
Aroclor-1016-3	4.849	4.748	4.948	437.950	500.000	-12.4
Aroclor-1016-4	4.969	4.868	5.068	471.970	500.000	-5.6
Aroclor-1016-5	5.226	5.125	5.325	462.180	500.000	-7.6
Aroclor-1260-1	6.265	6.165	6.365	419.870	500.000	-16.0
Aroclor-1260-2	6.455	6.355	6.555	424.400	500.000	-15.1
Aroclor-1260-3	6.821	6.722	6.922	441.850	500.000	-11.6
Aroclor-1260-4	7.081	6.982	7.182	431.810	500.000	-13.6
Aroclor-1260-5	7.324	7.225	7.425	423.520	500.000	-15.3
Decachlorobiphenyl	8.723	8.625	8.825	39.500	50.000	-21.0
Tetrachloro-m-xylene	3.685	3.583	3.783	51.900	50.000	3.8

Raw Data: **PO111020.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/12/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111020.D **Time Analyzed:** 17:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.759	4.660	4.860	534.100	500.000	6.8
Aroclor-1016-2	4.777	4.679	4.879	539.050	500.000	7.8
Aroclor-1016-3	4.953	4.854	5.054	539.040	500.000	7.8
Aroclor-1016-4	4.995	4.896	5.096	537.740	500.000	7.5
Aroclor-1016-5	5.208	5.109	5.309	537.510	500.000	7.5
Aroclor-1260-1	6.238	6.139	6.339	506.630	500.000	1.3
Aroclor-1260-2	6.426	6.327	6.527	506.260	500.000	1.3
Aroclor-1260-3	6.578	6.480	6.680	505.950	500.000	1.2
Aroclor-1260-4	7.049	6.950	7.150	485.940	500.000	-2.8
Aroclor-1260-5	7.290	7.192	7.392	480.510	500.000	-3.9
Decachlorobiphenyl	8.673	8.576	8.776	49.600	50.000	-0.8
Tetrachloro-m-xylene	3.681	3.580	3.780	56.940	50.000	13.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 17:31
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:54:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.685	3.681	296.9E6	275.8E6	51.902	56.942
2)	SA Decachlor...	8.723	8.673	241.0E6	83682237	39.499	49.597 #
	Target Compounds						
3)	L1 AR-1016-1	4.774	4.759	100.5E6	84856933	454.825	534.103
4)	L1 AR-1016-2	4.793	4.777	143.8E6	123.2E6	463.538	539.048
5)	L1 AR-1016-3	4.849	4.953	100.2E6	65728405	437.948	539.039
6)	L1 AR-1016-4	4.969	4.995	78910012	54183477	471.970	537.743
7)	L1 AR-1016-5	5.226	5.208	82309012	70630496	462.180	537.512
31)	L7 AR-1260-1	6.265	6.238	139.7E6	111.8E6	419.868	506.632
32)	L7 AR-1260-2	6.455	6.426	176.0E6	130.2E6	424.401	506.258
33)	L7 AR-1260-3	6.821	6.578	155.6E6	118.0E6	441.849	505.954
34)	L7 AR-1260-4	7.081	7.049	131.4E6	88488180	431.809	485.943
35)	L7 AR-1260-5	7.324	7.290	311.0E6	188.9E6	423.519	480.510

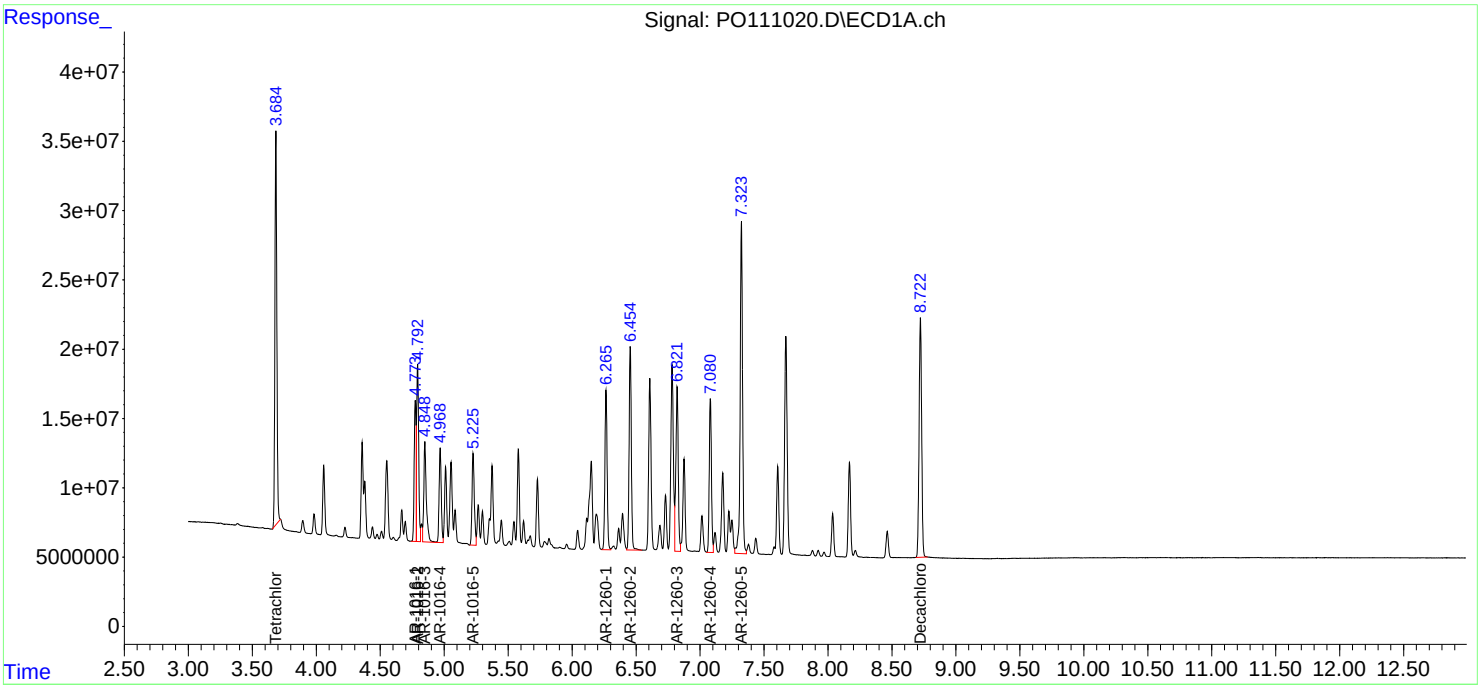
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

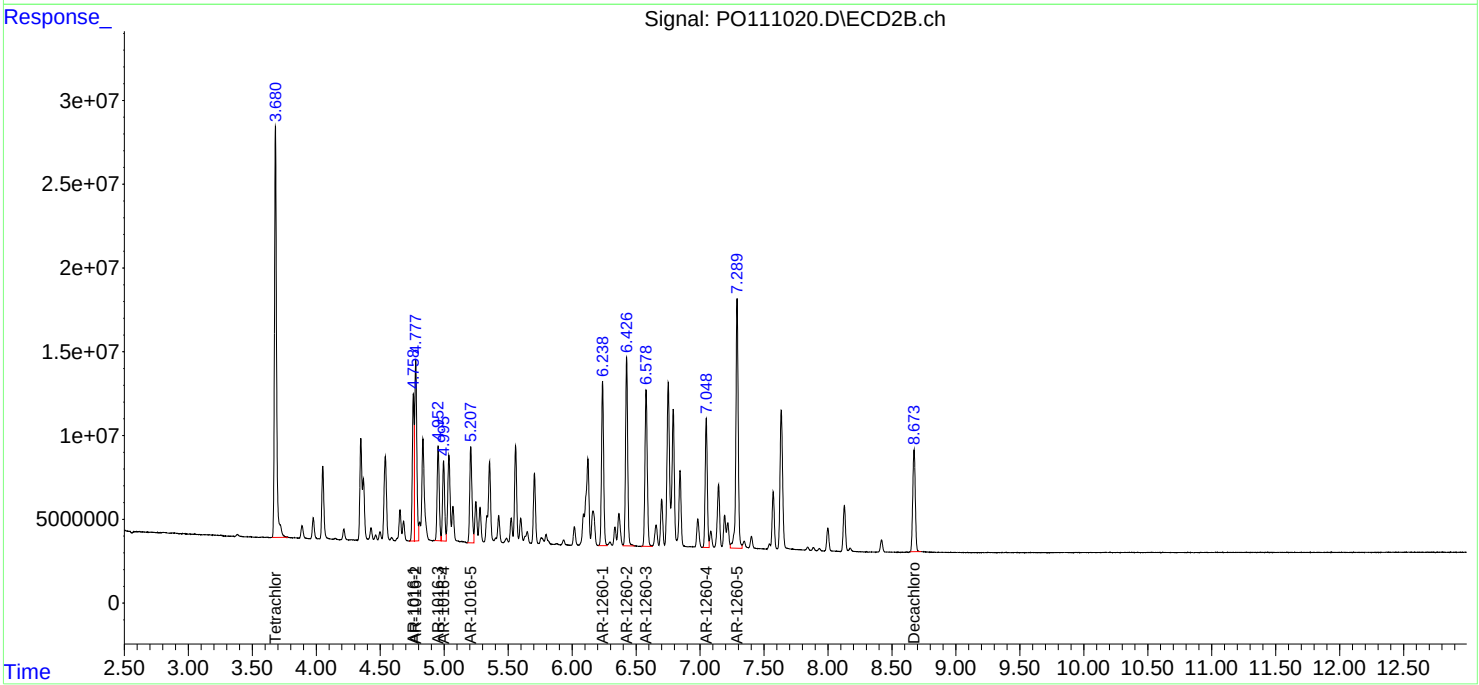
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 17:31
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

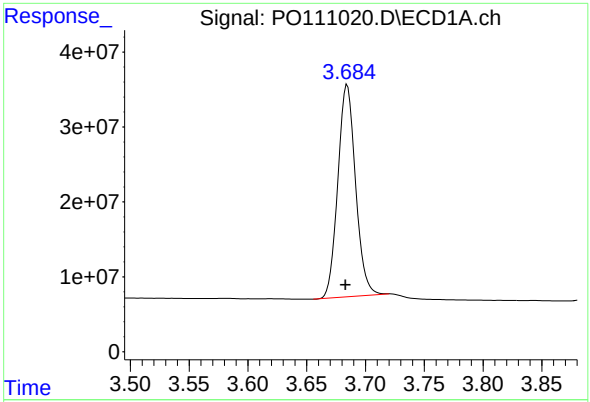
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:54:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



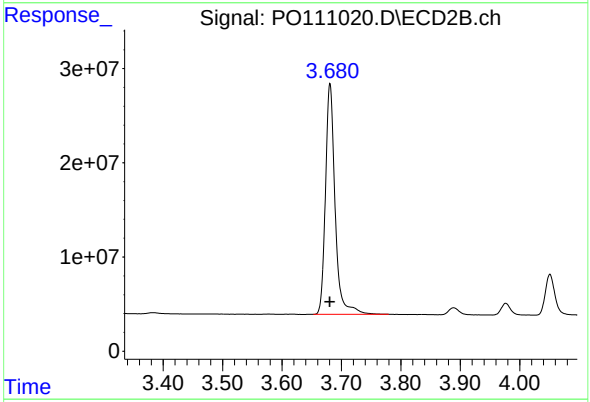




#1 Tetrachloro-m-xylene

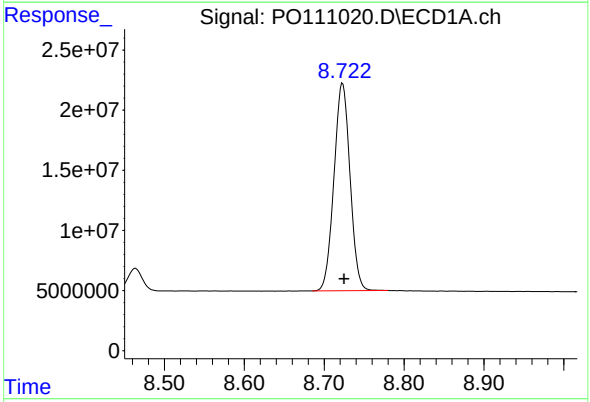
R.T.: 3.685 min
Delta R.T.: 0.002 min
Response: 296920573
Conc: 51.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



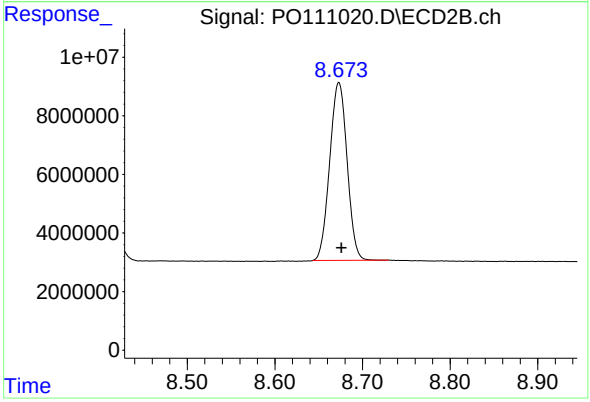
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 275776877
Conc: 56.94 ng/ml



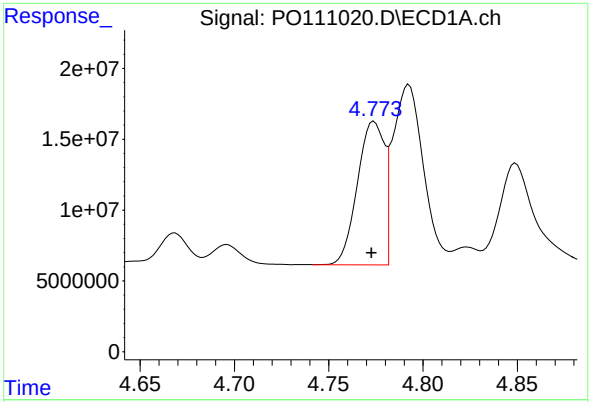
#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 241040720
Conc: 39.50 ng/ml



#2 Decachlorobiphenyl

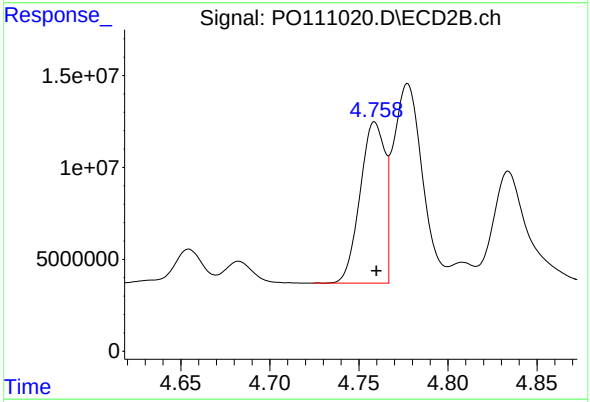
R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 83682237
Conc: 49.60 ng/ml



#3 AR-1016-1

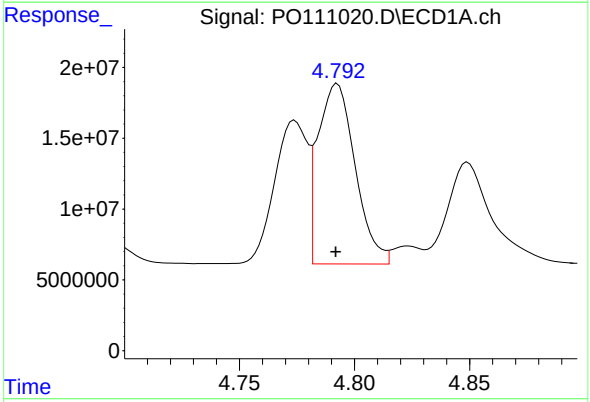
R.T.: 4.774 min
Delta R.T.: 0.001 min
Response: 100522909
Conc: 454.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



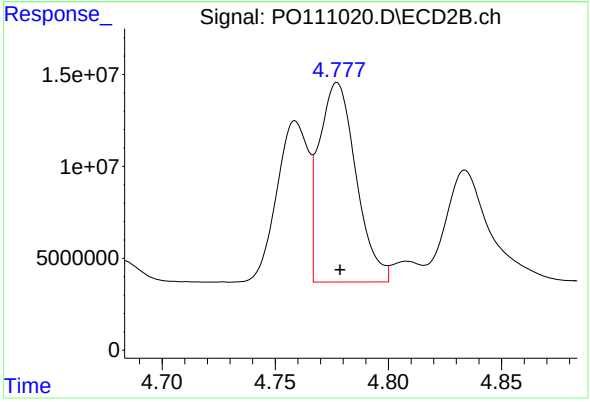
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 84856933
Conc: 534.10 ng/ml



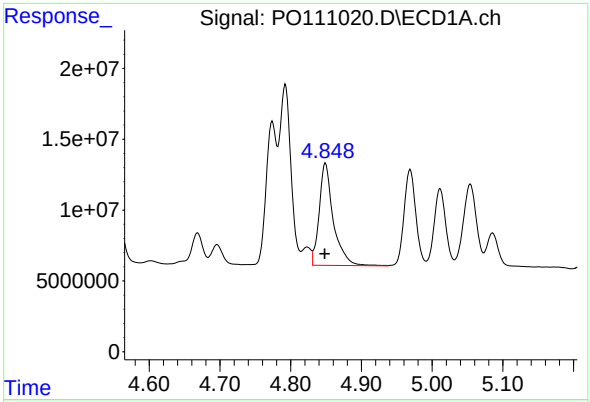
#4 AR-1016-2

R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 143776398
Conc: 463.54 ng/ml



#4 AR-1016-2

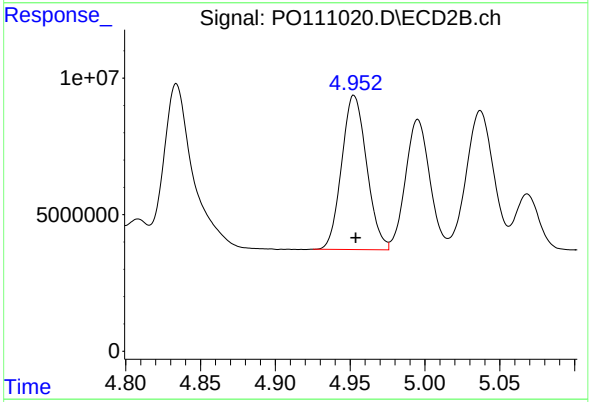
R.T.: 4.777 min
Delta R.T.: -0.001 min
Response: 123208923
Conc: 539.05 ng/ml



#5 AR-1016-3

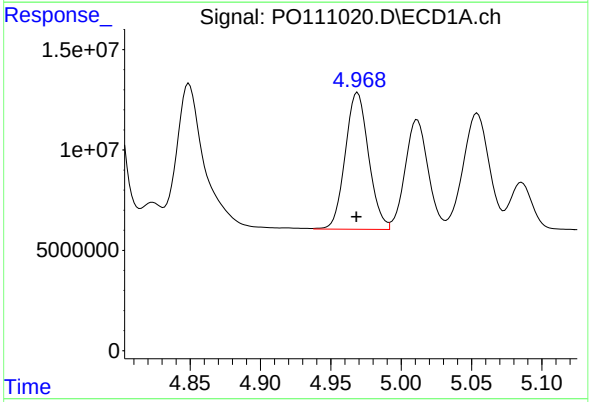
R.T.: 4.849 min
Delta R.T.: 0.000 min
Response: 100159569
Conc: 437.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



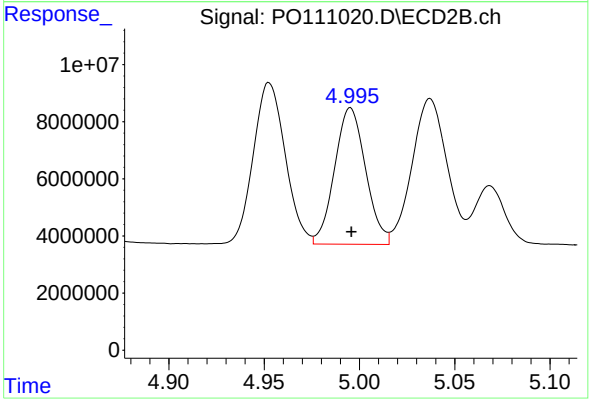
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: -0.001 min
Response: 65728405
Conc: 539.04 ng/ml



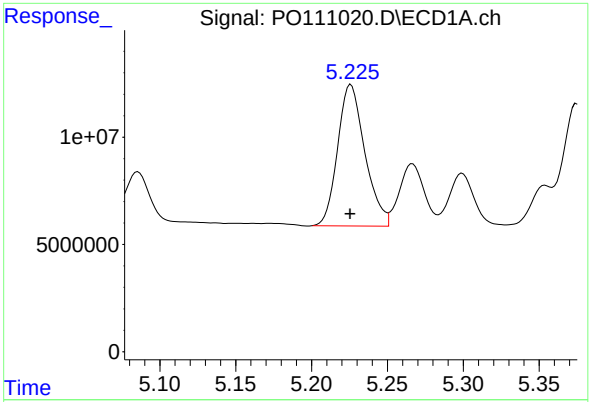
#6 AR-1016-4

R.T.: 4.969 min
Delta R.T.: 0.000 min
Response: 78910012
Conc: 471.97 ng/ml



#6 AR-1016-4

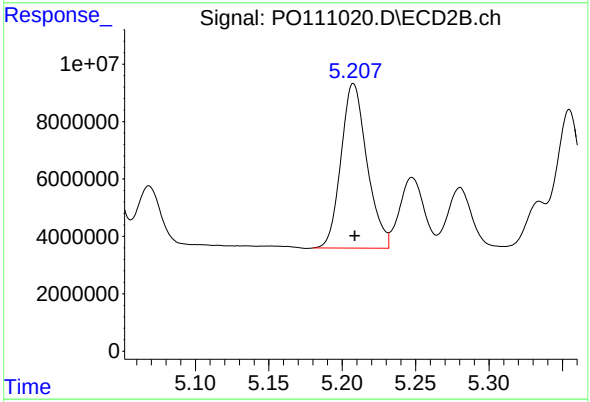
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 54183477
Conc: 537.74 ng/ml



#7 AR-1016-5

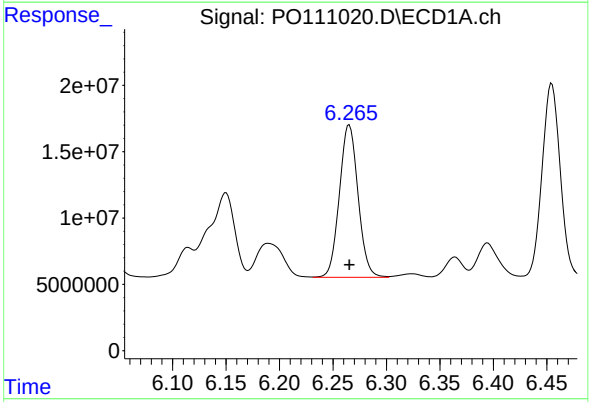
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 82309012
Conc: 462.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



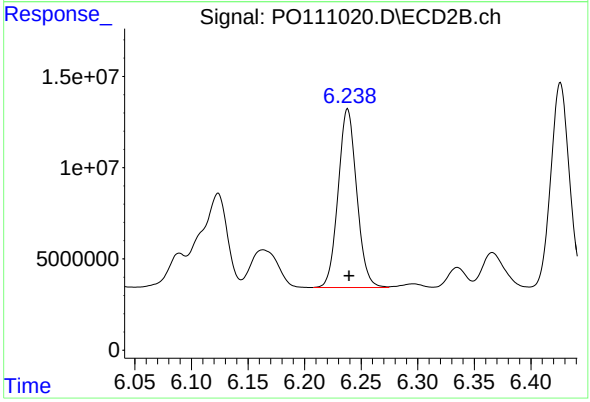
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 70630496
Conc: 537.51 ng/ml



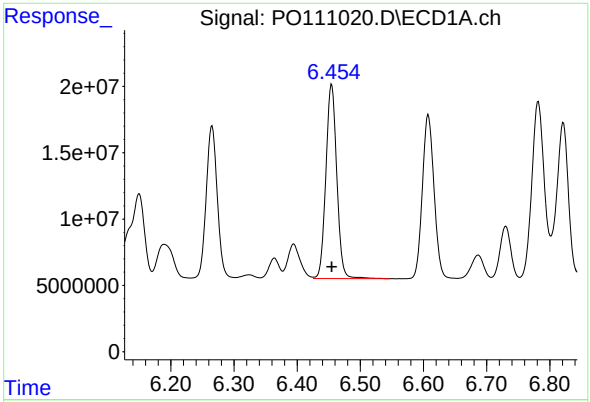
#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 139657872
Conc: 419.87 ng/ml



#31 AR-1260-1

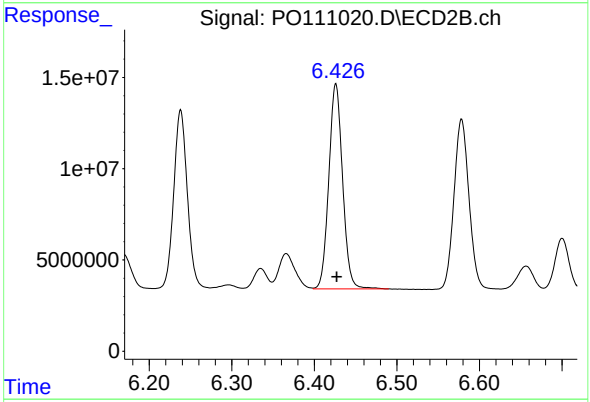
R.T.: 6.238 min
Delta R.T.: -0.001 min
Response: 111848711
Conc: 506.63 ng/ml



#32 AR-1260-2

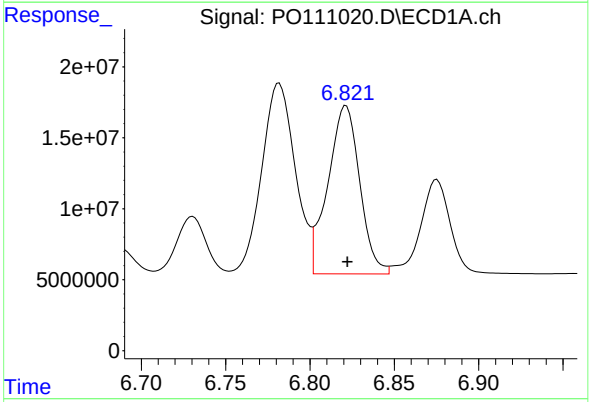
R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 176047053
Conc: 424.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



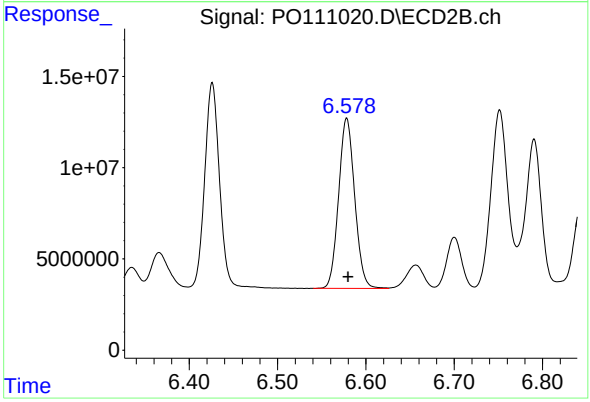
#32 AR-1260-2

R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 130223836
Conc: 506.26 ng/ml



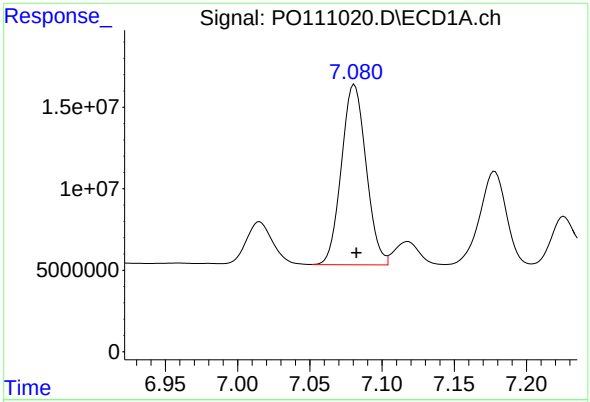
#33 AR-1260-3

R.T.: 6.821 min
Delta R.T.: 0.000 min
Response: 155648313
Conc: 441.85 ng/ml



#33 AR-1260-3

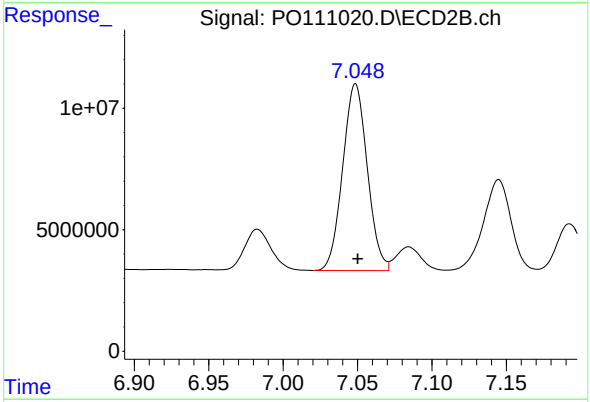
R.T.: 6.578 min
Delta R.T.: -0.001 min
Response: 117959975
Conc: 505.95 ng/ml



#34 AR-1260-4

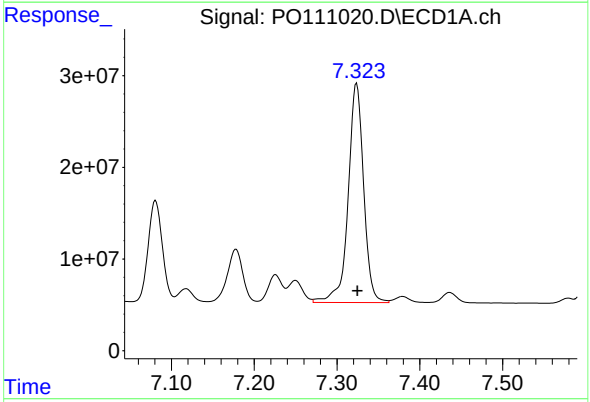
R.T.: 7.081 min
Delta R.T.: -0.001 min
Response: 131371925
Conc: 431.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



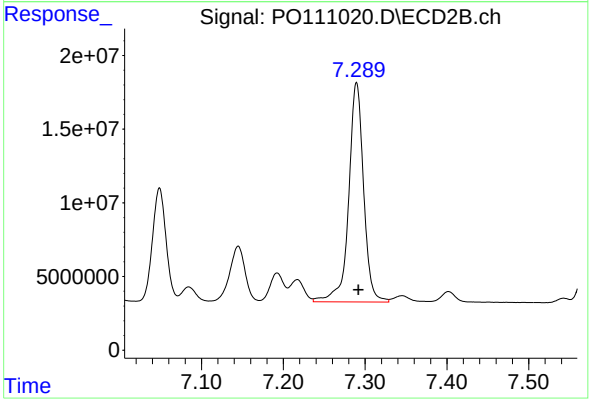
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: -0.002 min
Response: 88488180
Conc: 485.94 ng/ml



#35 AR-1260-5

R.T.: 7.324 min
Delta R.T.: 0.000 min
Response: 311026857
Conc: 423.52 ng/ml



#35 AR-1260-5

R.T.: 7.290 min
Delta R.T.: -0.002 min
Response: 188933504
Conc: 480.51 ng/ml

Raw Data: **PO111026.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 09:08 **Initial Calibration Time(s):** 09:45 18:29

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)	4.78	4.77	4.67	4.87	-0.01
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.68	3.58	3.78	-0.01
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00

Raw Data: **PO111026.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 09:08 **Initial Calibration Time(s):** 09:45 18:29

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111026.D **Time Analyzed:** 09:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.775	4.673	4.873	450.880	500.000	-9.8
Aroclor-1016-2	4.794	4.692	4.892	462.430	500.000	-7.5
Aroclor-1016-3	4.851	4.748	4.948	435.760	500.000	-12.8
Aroclor-1016-4	4.971	4.868	5.068	471.860	500.000	-5.6
Aroclor-1016-5	5.228	5.125	5.325	458.360	500.000	-8.3
Aroclor-1260-1	6.268	6.165	6.365	421.560	500.000	-15.7
Aroclor-1260-2	6.457	6.355	6.555	419.450	500.000	-16.1
Aroclor-1260-3	6.824	6.722	6.922	436.640	500.000	-12.7
Aroclor-1260-4	7.083	6.982	7.182	429.160	500.000	-14.2
Aroclor-1260-5	7.326	7.225	7.425	425.180	500.000	-15.0
Decachlorobiphenyl	8.725	8.625	8.825	44.830	50.000	-10.3
Tetrachloro-m-xylene	3.686	3.583	3.783	50.700	50.000	1.4

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111026.D **Time Analyzed:** 09:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.759	4.660	4.860	523.220	500.000	4.6
Aroclor-1016-2	4.777	4.679	4.879	521.360	500.000	4.3
Aroclor-1016-3	4.953	4.854	5.054	525.860	500.000	5.2
Aroclor-1016-4	4.995	4.896	5.096	530.660	500.000	6.1
Aroclor-1016-5	5.208	5.109	5.309	522.190	500.000	4.4
Aroclor-1260-1	6.239	6.139	6.339	504.420	500.000	0.9
Aroclor-1260-2	6.426	6.327	6.527	503.080	500.000	0.6
Aroclor-1260-3	6.579	6.480	6.680	506.160	500.000	1.2
Aroclor-1260-4	7.049	6.950	7.150	491.110	500.000	-1.8
Aroclor-1260-5	7.290	7.192	7.392	485.360	500.000	-2.9
Decachlorobiphenyl	8.674	8.576	8.776	56.070	50.000	12.1
Tetrachloro-m-xylene	3.681	3.580	3.780	54.570	50.000	9.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:08
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.686	3.681	290.1E6	264.3E6	50.704	54.572
2)	SA Decachlor...	8.725	8.674	273.6E6	94596880	44.829	56.066 #
	Target Compounds						
3)	L1 AR-1016-1	4.775	4.759	99651457	83127416	450.882	523.218
4)	L1 AR-1016-2	4.794	4.777	143.4E6	119.2E6	462.431	521.362
5)	L1 AR-1016-3	4.851	4.953	99658294	64121273	435.756	525.859
6)	L1 AR-1016-4	4.971	4.995	78891400	53469562	471.859	530.657
7)	L1 AR-1016-5	5.228	5.208	81628699	68617051	458.360	522.189
31)	L7 AR-1260-1	6.268	6.239	140.2E6	111.4E6	421.557	504.419
32)	L7 AR-1260-2	6.457	6.426	174.0E6	129.4E6	419.451	503.075
33)	L7 AR-1260-3	6.824	6.579	153.8E6	118.0E6	436.636	506.161
34)	L7 AR-1260-4	7.083	7.049	130.6E6	89429959	429.160	491.115
35)	L7 AR-1260-5	7.326	7.290	312.2E6	190.8E6	425.181	485.364

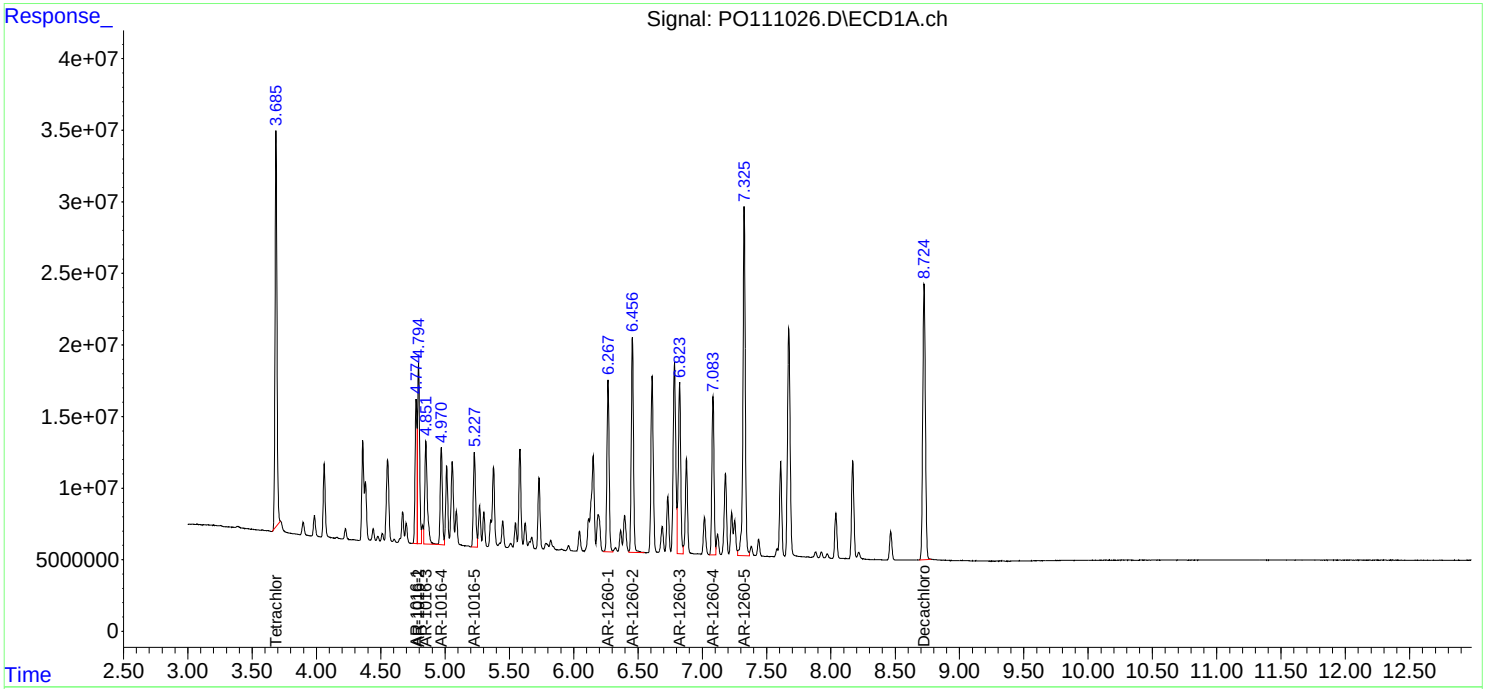
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

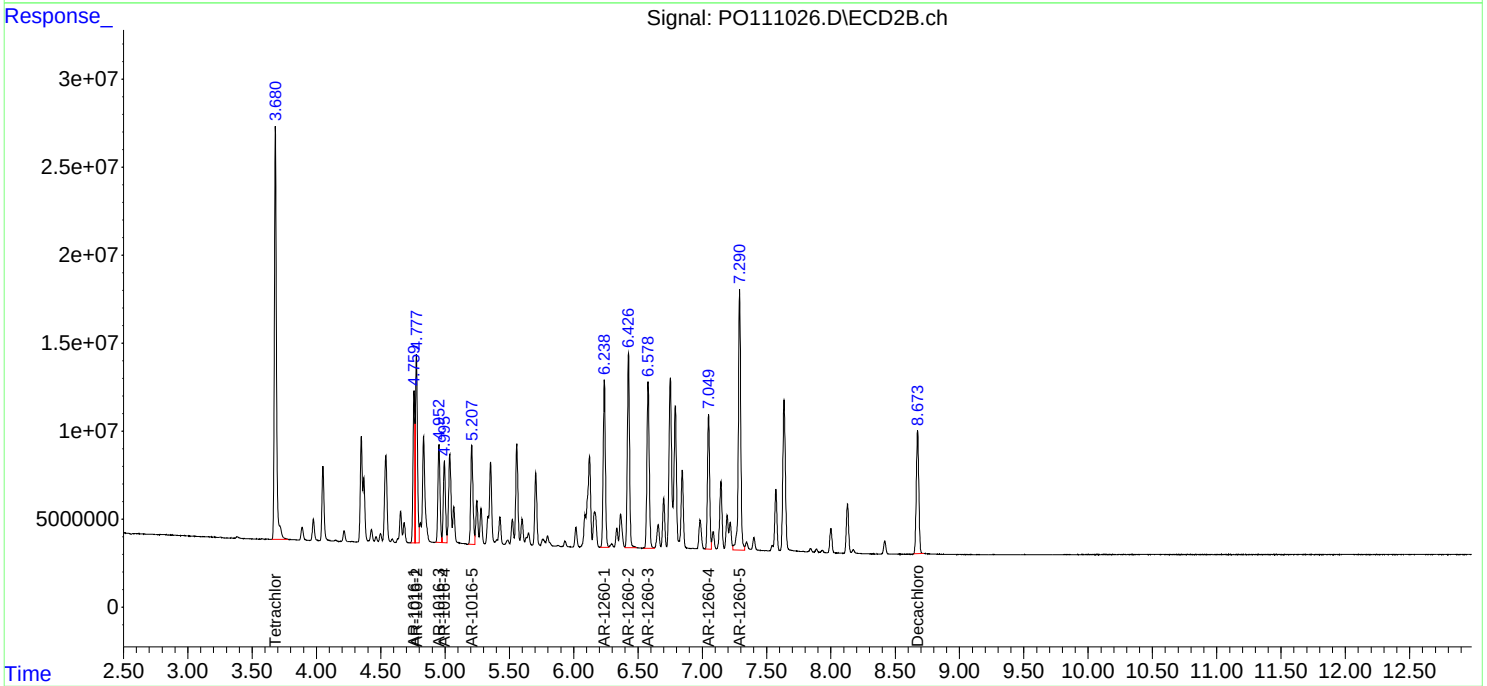
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:08
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

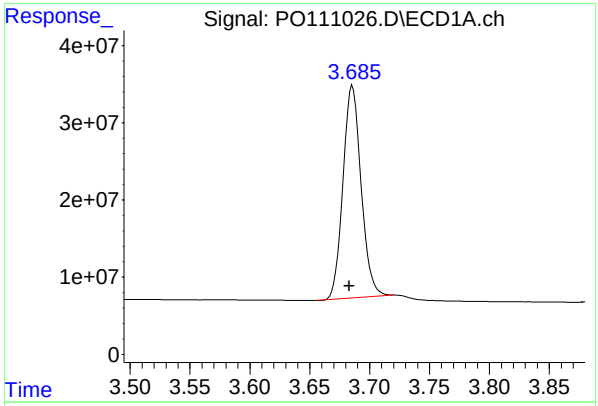
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



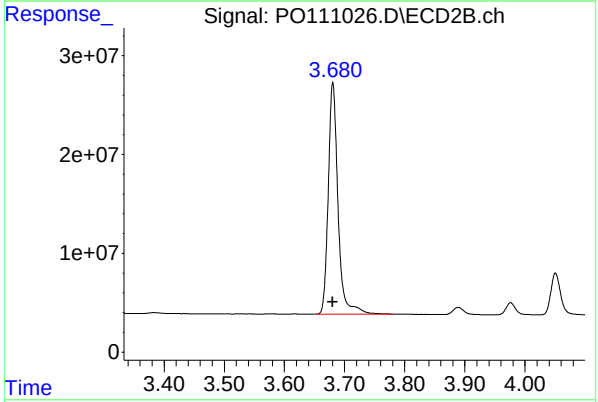




#1 Tetrachloro-m-xylene

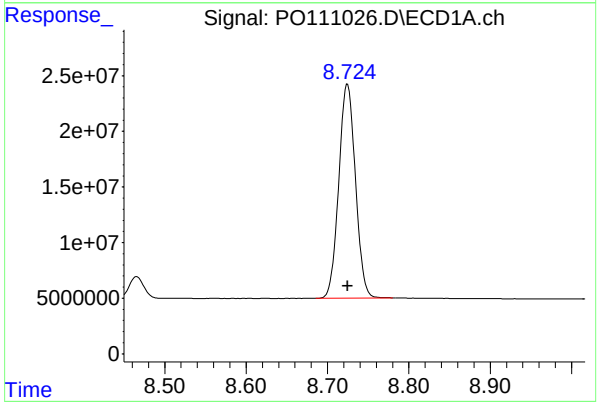
R.T.: 3.686 min
Delta R.T.: 0.003 min
Response: 290069194
Conc: 50.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



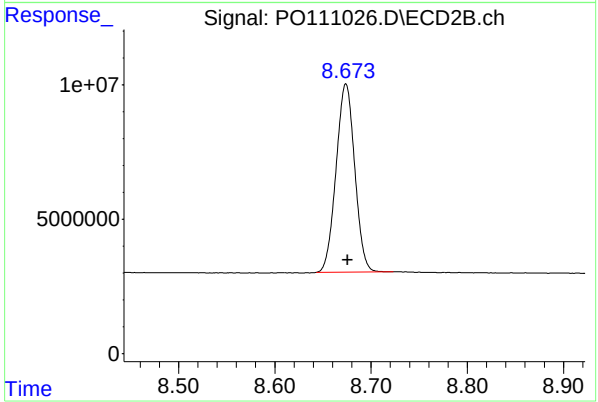
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 264297004
Conc: 54.57 ng/ml



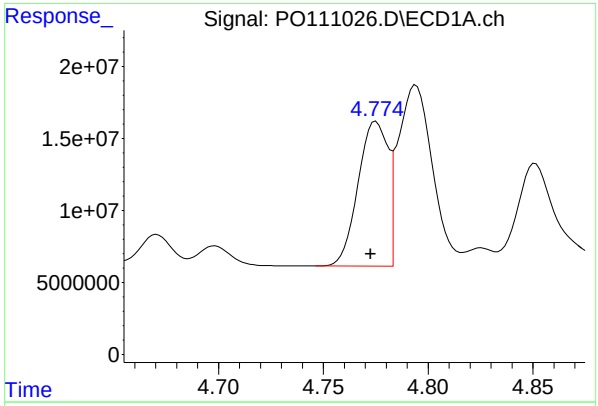
#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: 0.000 min
Response: 273566111
Conc: 44.83 ng/ml



#2 Decachlorobiphenyl

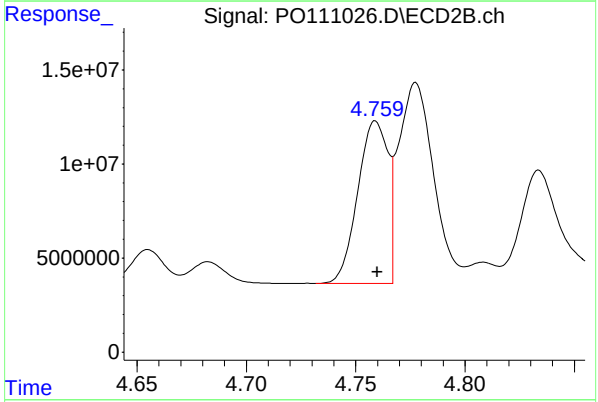
R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 94596880
Conc: 56.07 ng/ml



#3 AR-1016-1

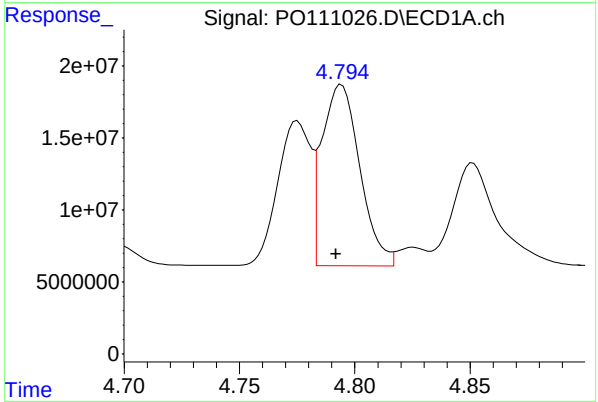
R.T.: 4.775 min
Delta R.T.: 0.002 min
Response: 99651457
Conc: 450.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



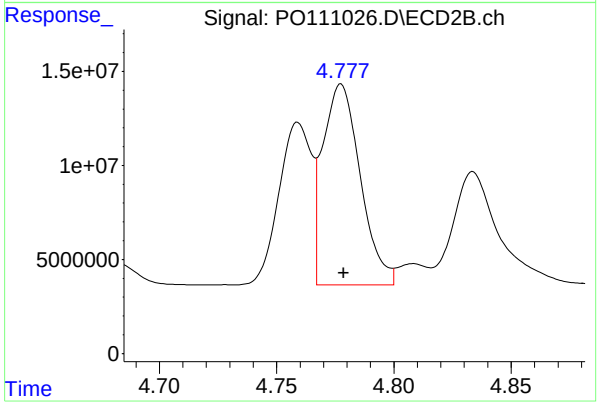
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 83127416
Conc: 523.22 ng/ml



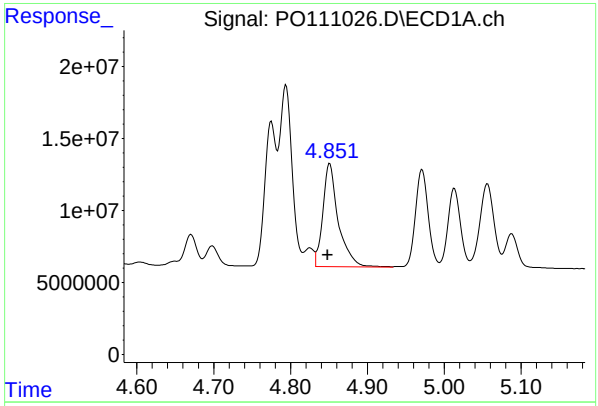
#4 AR-1016-2

R.T.: 4.794 min
Delta R.T.: 0.002 min
Response: 143433310
Conc: 462.43 ng/ml



#4 AR-1016-2

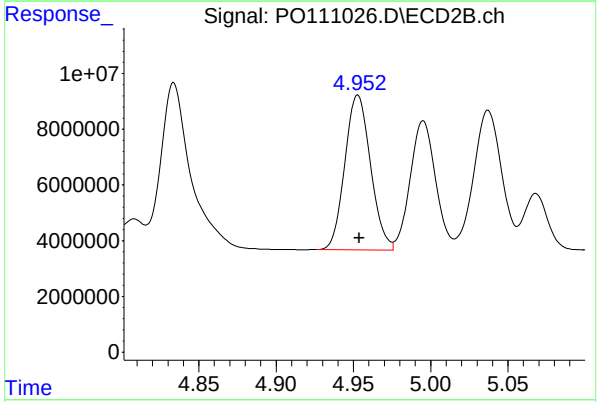
R.T.: 4.777 min
Delta R.T.: -0.001 min
Response: 119166391
Conc: 521.36 ng/ml



#5 AR-1016-3

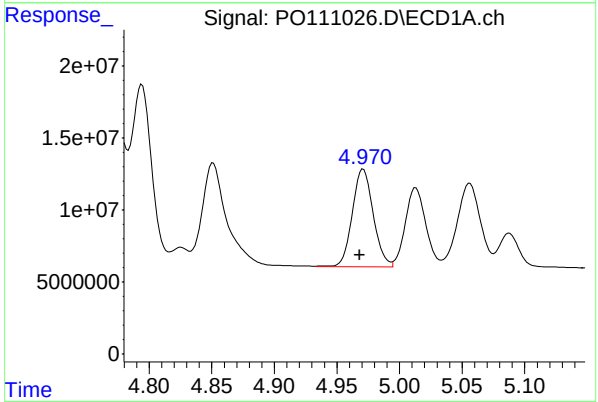
R.T.: 4.851 min
Delta R.T.: 0.003 min
Response: 99658294
Conc: 435.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



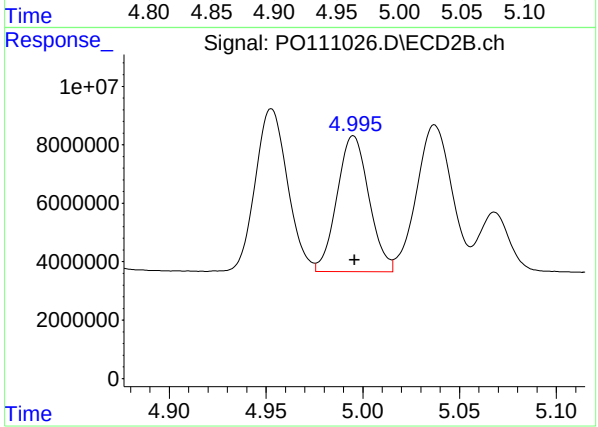
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: -0.001 min
Response: 64121273
Conc: 525.86 ng/ml



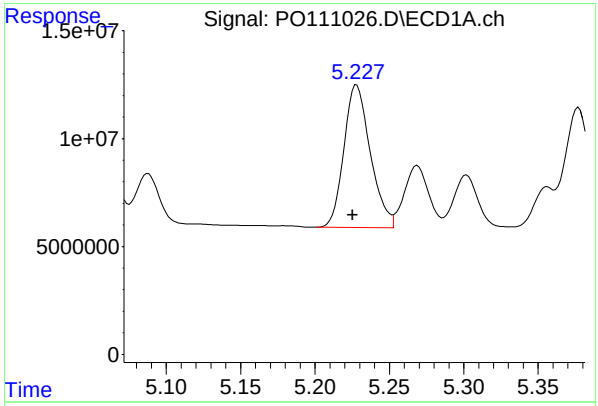
#6 AR-1016-4

R.T.: 4.971 min
Delta R.T.: 0.003 min
Response: 78891400
Conc: 471.86 ng/ml



#6 AR-1016-4

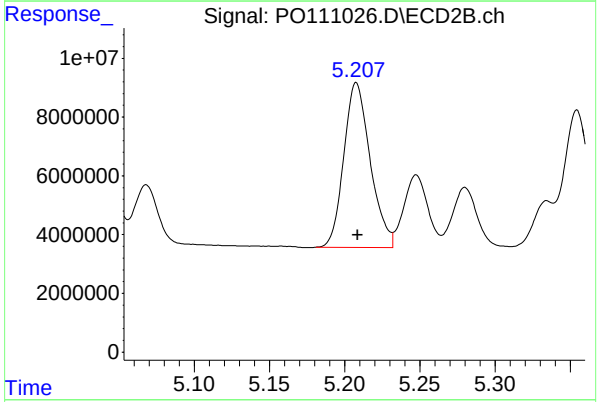
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 53469562
Conc: 530.66 ng/ml



#7 AR-1016-5

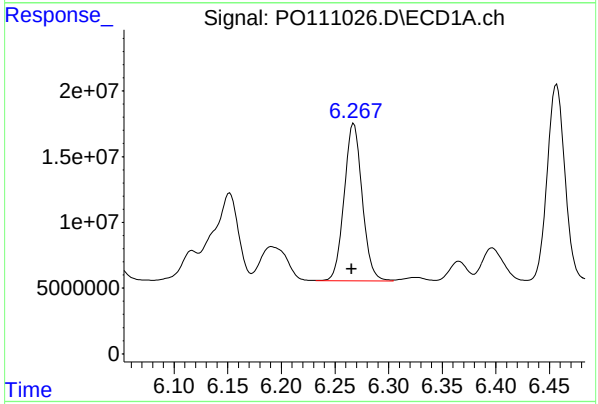
R.T.: 5.228 min
Delta R.T.: 0.003 min
Response: 81628699
Conc: 458.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



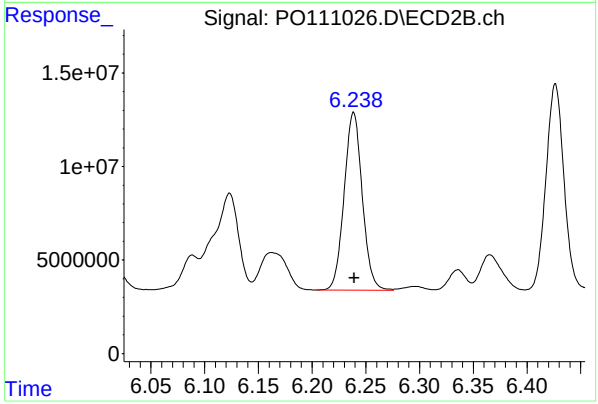
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 68617051
Conc: 522.19 ng/ml



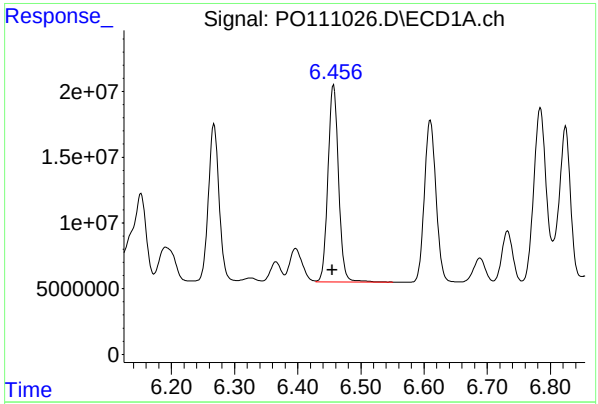
#31 AR-1260-1

R.T.: 6.268 min
Delta R.T.: 0.002 min
Response: 140219517
Conc: 421.56 ng/ml



#31 AR-1260-1

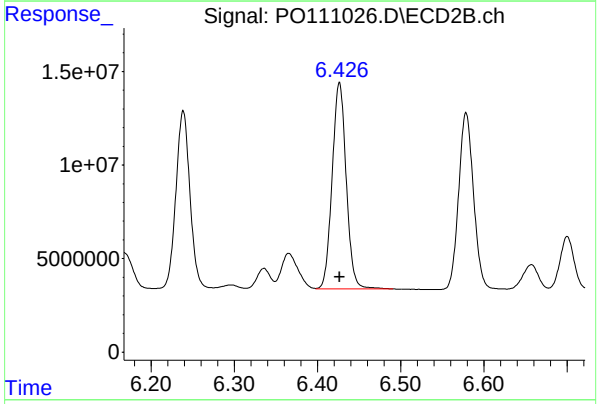
R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 111360246
Conc: 504.42 ng/ml



#32 AR-1260-2

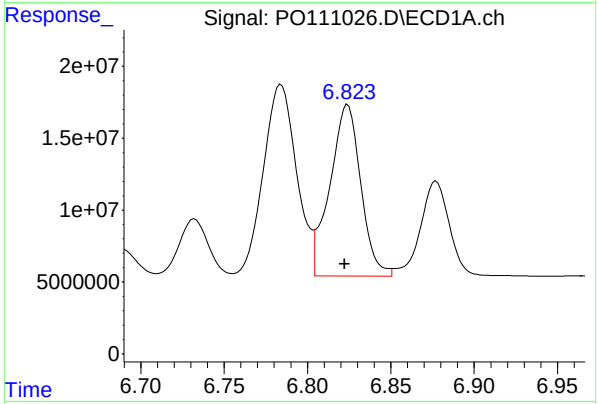
R.T.: 6.457 min
Delta R.T.: 0.002 min
Response: 173993881
Conc: 419.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



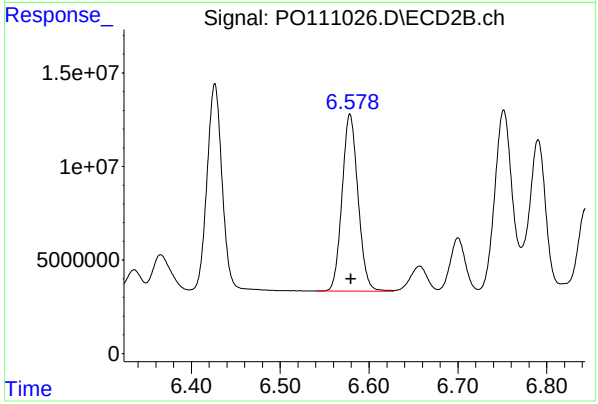
#32 AR-1260-2

R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 129405313
Conc: 503.08 ng/ml



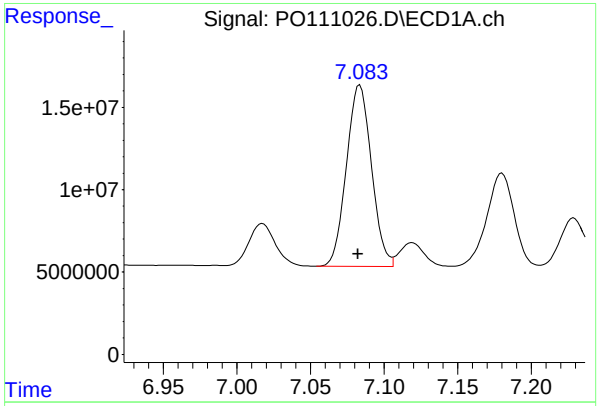
#33 AR-1260-3

R.T.: 6.824 min
Delta R.T.: 0.002 min
Response: 153812079
Conc: 436.64 ng/ml



#33 AR-1260-3

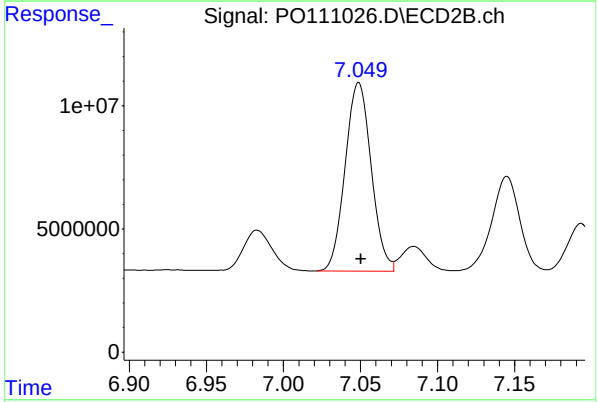
R.T.: 6.579 min
Delta R.T.: -0.001 min
Response: 118008243
Conc: 506.16 ng/ml



#34 AR-1260-4

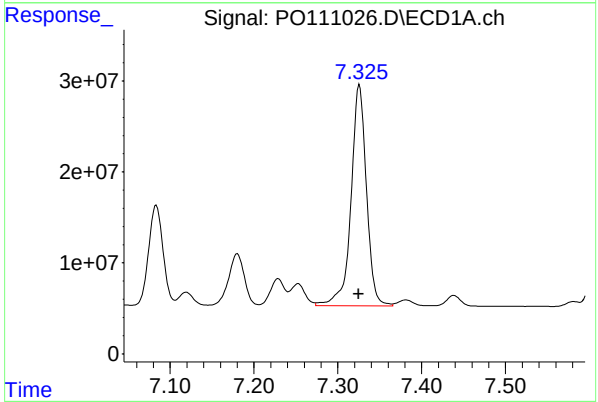
R.T.: 7.083 min
Delta R.T.: 0.001 mi
Response: 130566053
Conc: 429.16 ng/m

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



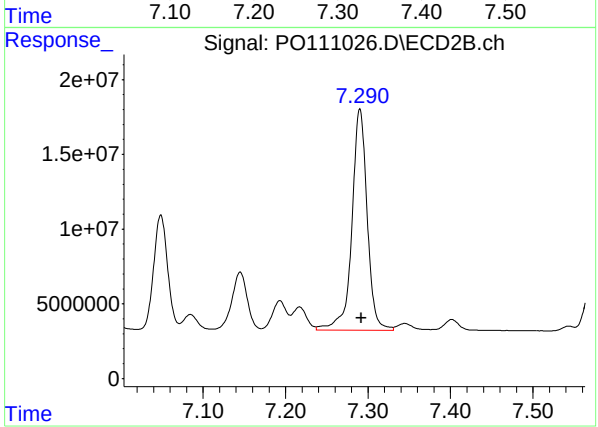
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: -0.001 min
Response: 89429959
Conc: 491.11 ng/ml



#35 AR-1260-5

R.T.: 7.326 min
Delta R.T.: 0.001 min
Response: 312247240
Conc: 425.18 ng/ml



#35 AR-1260-5

R.T.: 7.290 min
Delta R.T.: -0.001 min
Response: 190841990
Conc: 485.36 ng/ml

Raw Data: **PO111041.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 17:33 **Initial Calibration Time(s):** 09:45 18:29

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.45	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.73	8.63	8.83	0.01

Raw Data: **PO111041.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 17:33 **Initial Calibration Time(s):** 09:45 18:29

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)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111041.D **Time Analyzed:** 17:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.773	4.673	4.873	441.850	500.000	-11.6
Aroclor-1016-2	4.792	4.692	4.892	451.170	500.000	-9.8
Aroclor-1016-3	4.848	4.748	4.948	420.910	500.000	-15.8
Aroclor-1016-4	4.968	4.868	5.068	454.170	500.000	-9.2
Aroclor-1016-5	5.226	5.125	5.325	452.120	500.000	-9.6
Aroclor-1260-1	6.264	6.165	6.365	412.050	500.000	-17.6
Aroclor-1260-2	6.454	6.355	6.555	412.210	500.000	-17.6
Aroclor-1260-3	6.821	6.722	6.922	427.000	500.000	-14.6
Aroclor-1260-4	7.081	6.982	7.182	419.970	500.000	-16.0
Aroclor-1260-5	7.323	7.225	7.425	419.140	500.000	-16.2
Decachlorobiphenyl	8.721	8.625	8.825	44.490	50.000	-11.0
Tetrachloro-m-xylene	3.684	3.583	3.783	49.800	50.000	-0.4

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111041.D **Time Analyzed:** 17:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.758	4.660	4.860	518.770	500.000	3.8
Aroclor-1016-2	4.776	4.679	4.879	521.960	500.000	4.4
Aroclor-1016-3	4.952	4.854	5.054	521.280	500.000	4.3
Aroclor-1016-4	4.994	4.896	5.096	520.570	500.000	4.1
Aroclor-1016-5	5.206	5.109	5.309	522.110	500.000	4.4
Aroclor-1260-1	6.237	6.139	6.339	495.860	500.000	-0.8
Aroclor-1260-2	6.425	6.327	6.527	495.370	500.000	-0.9
Aroclor-1260-3	6.577	6.480	6.680	494.830	500.000	-1.0
Aroclor-1260-4	7.048	6.950	7.150	476.630	500.000	-4.7
Aroclor-1260-5	7.288	7.192	7.392	470.130	500.000	-6.0
Decachlorobiphenyl	8.671	8.576	8.776	55.420	50.000	10.8
Tetrachloro-m-xylene	3.680	3.580	3.780	54.320	50.000	8.6

Sample Results: **PO111041.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:23:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	284.9E6	263.1E6	49.795	54.315
2)	SA Decachlor...	8.721	8.671	271.5E6	93514263	44.495	55.424m
	Target Compounds						
3)	L1 AR-1016-1	4.773	4.758	97654247	82420907	441.846	518.771
4)	L1 AR-1016-2	4.792	4.776	139.9E6	119.3E6	451.167	521.958
5)	L1 AR-1016-3	4.848	4.952	96263110	63563106	420.910	521.282
6)	L1 AR-1016-4	4.968	4.994	75934600	52452660	454.174	520.565
7)	L1 AR-1016-5	5.226	5.206	80517130	68606311	452.118	522.107
31)	L7 AR-1260-1	6.264	6.237	137.1E6	109.5E6	412.048	495.858
32)	L7 AR-1260-2	6.454	6.425	171.0E6	127.4E6	412.210	495.371
33)	L7 AR-1260-3	6.821	6.577	150.4E6	115.4E6	427.001	494.831
34)	L7 AR-1260-4	7.081	7.048	127.8E6	86791408	419.973	476.625
35)	L7 AR-1260-5	7.323	7.288	307.8E6	184.9E6	419.136	470.125

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

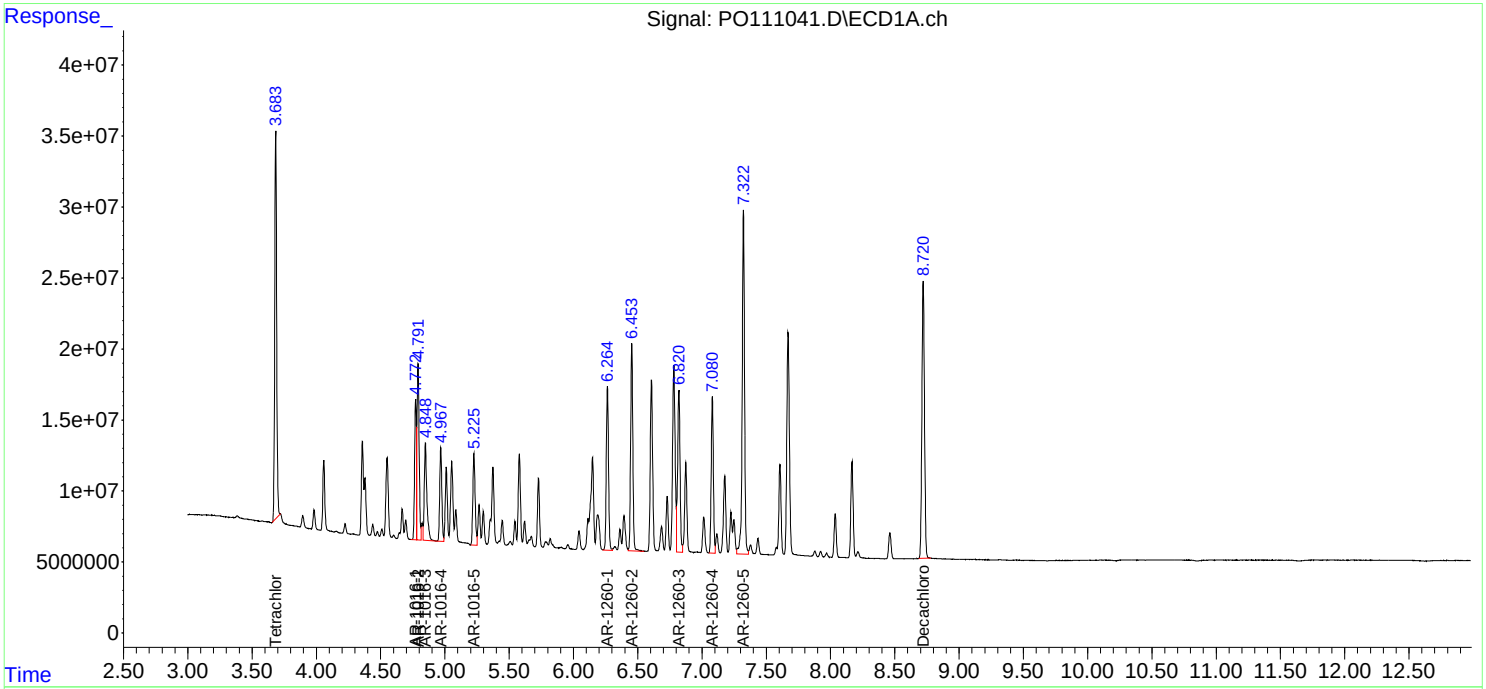
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

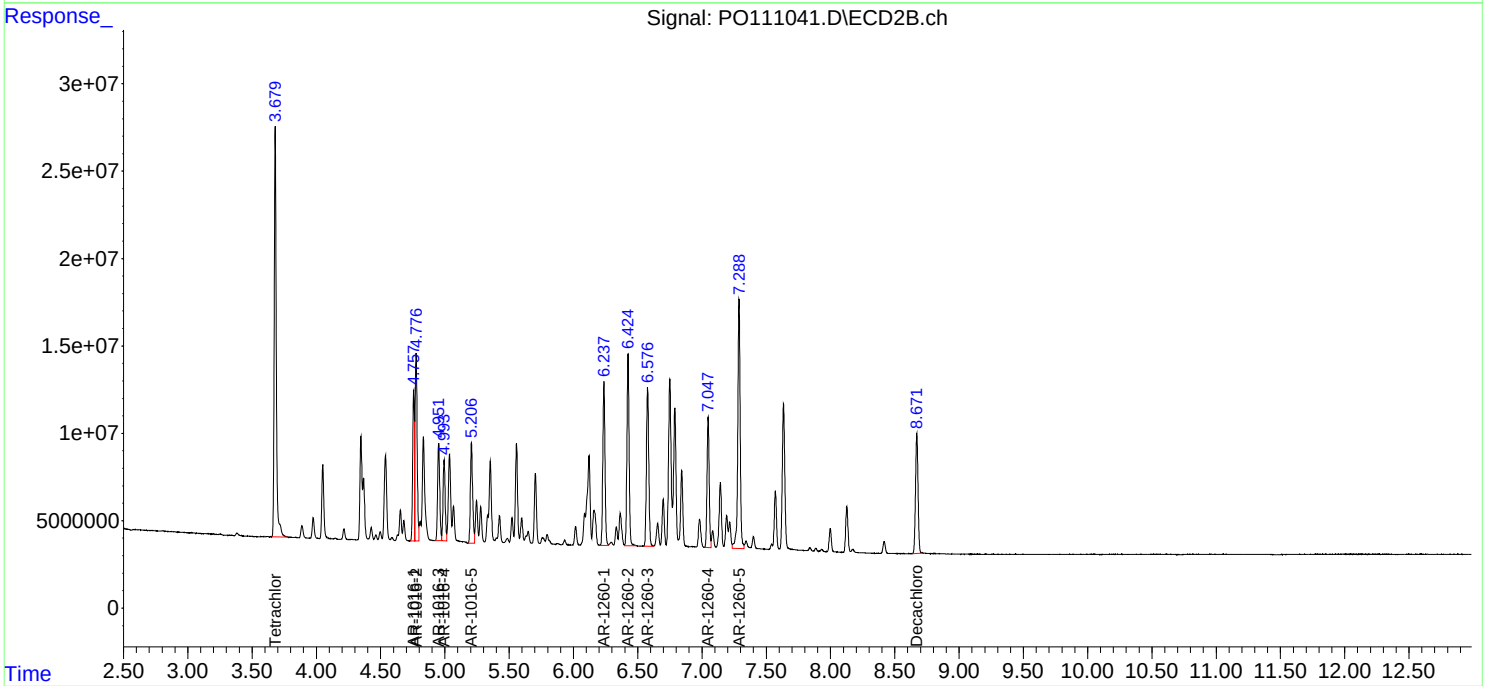
Manual Integrations APPROVED

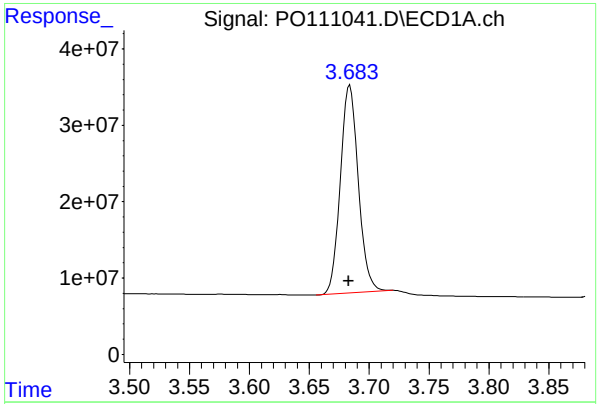
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:23:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







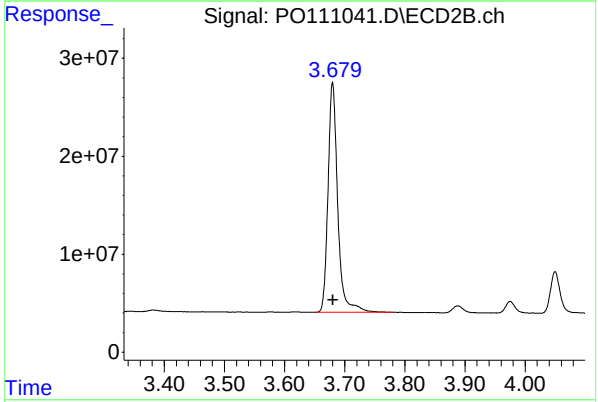
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 284868757
Conc: 49.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

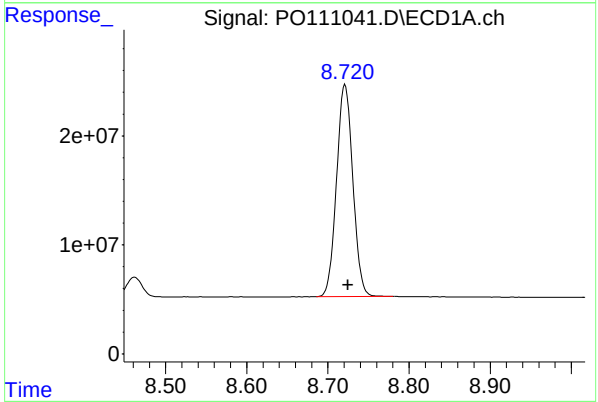
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025



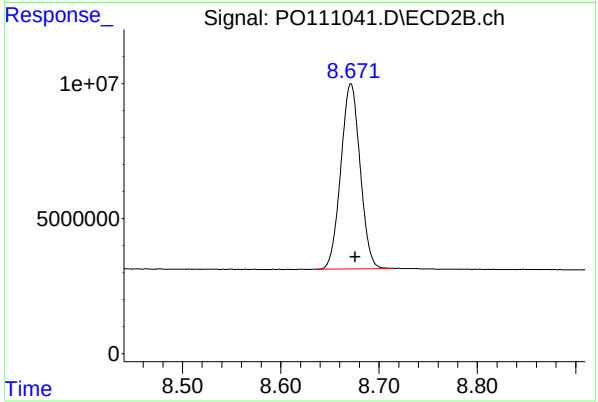
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 263054672
Conc: 54.32 ng/ml



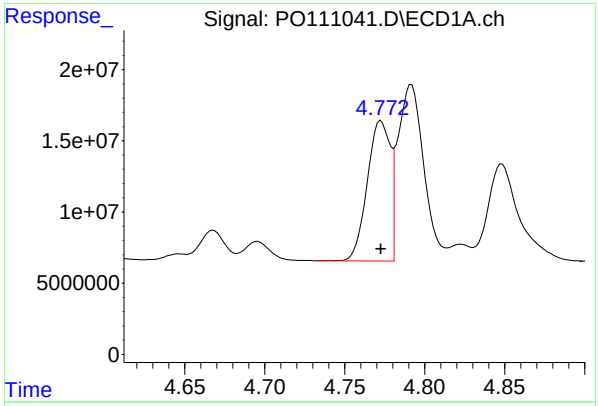
#2 Decachlorobiphenyl

R.T.: 8.721 min
Delta R.T.: -0.004 min
Response: 271526126
Conc: 44.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: -0.005 min
Response: 93514263
Conc: 55.42 ng/ml m



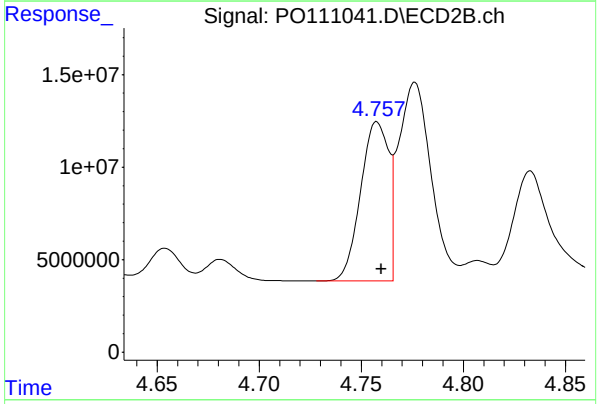
#3 AR-1016-1

R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 97654247
Conc: 441.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

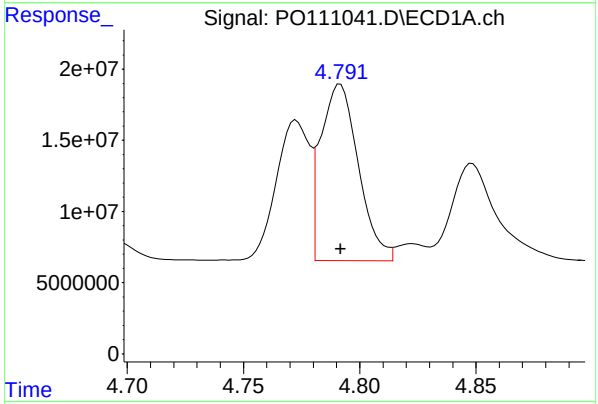
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025



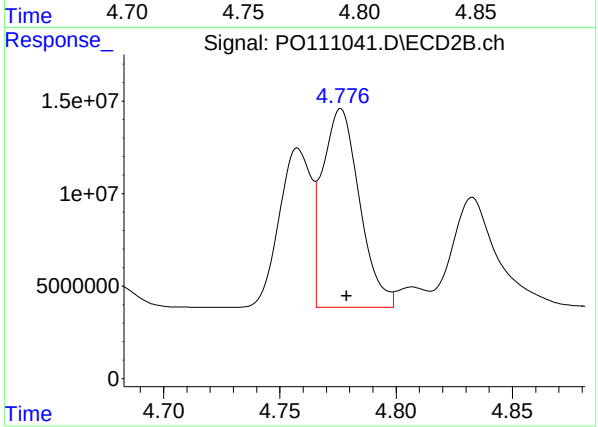
#3 AR-1016-1

R.T.: 4.758 min
Delta R.T.: -0.002 min
Response: 82420907
Conc: 518.77 ng/ml



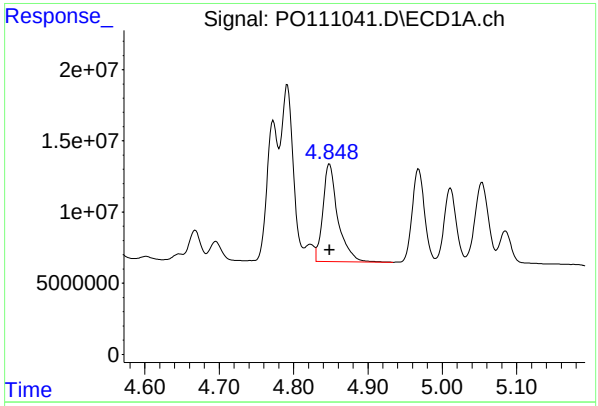
#4 AR-1016-2

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 139939431
Conc: 451.17 ng/ml



#4 AR-1016-2

R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 119302663
Conc: 521.96 ng/ml



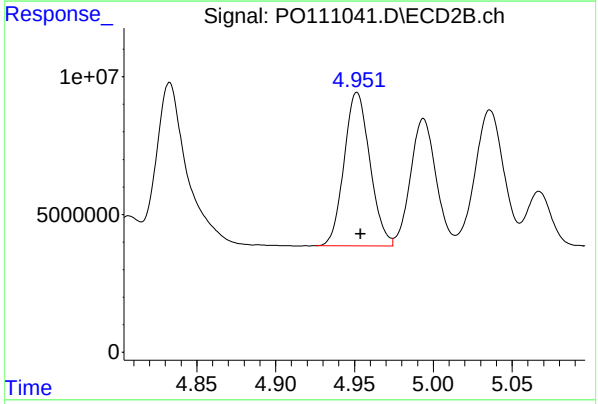
#5 AR-1016-3

R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 96263110
Conc: 420.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

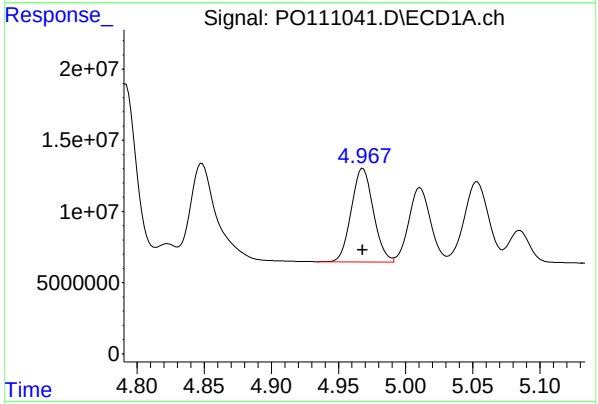
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025



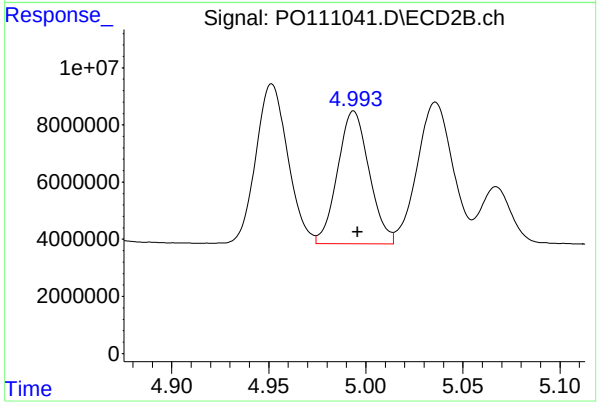
#5 AR-1016-3

R.T.: 4.952 min
Delta R.T.: -0.002 min
Response: 63563106
Conc: 521.28 ng/ml



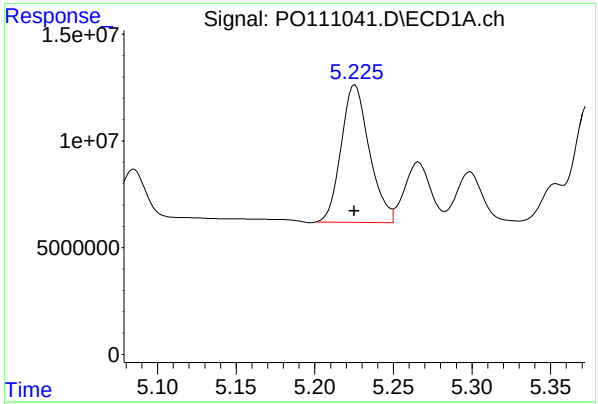
#6 AR-1016-4

R.T.: 4.968 min
Delta R.T.: 0.000 min
Response: 75934600
Conc: 454.17 ng/ml



#6 AR-1016-4

R.T.: 4.994 min
Delta R.T.: -0.002 min
Response: 52452660
Conc: 520.57 ng/ml



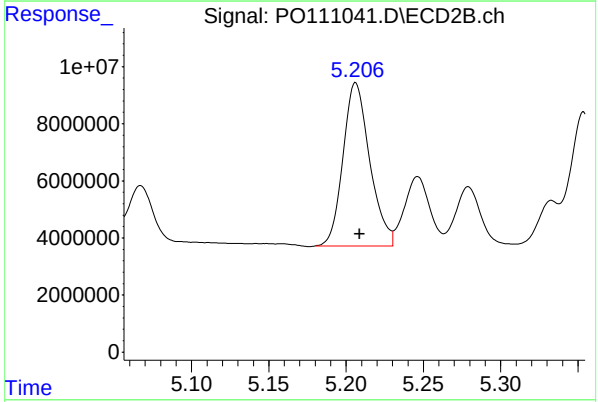
#7 AR-1016-5

R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 80517130
Conc: 452.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

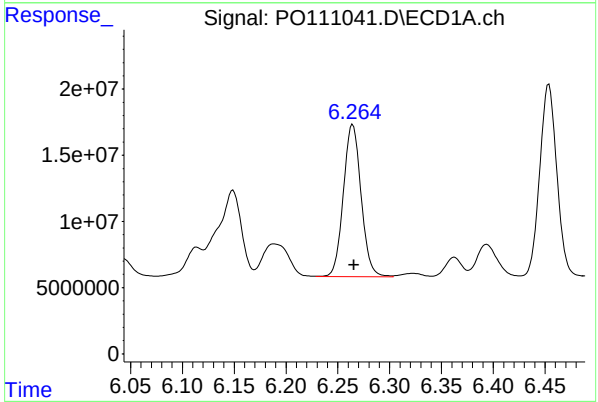
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025



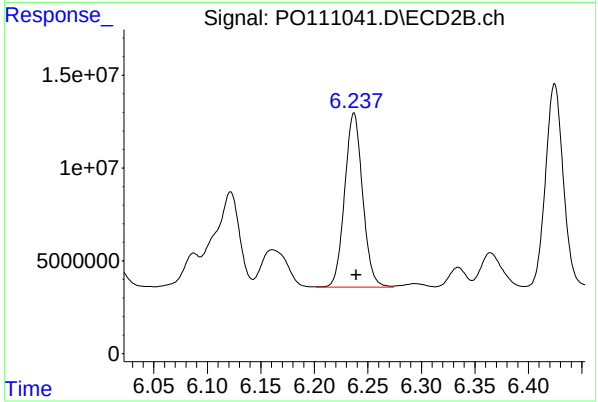
#7 AR-1016-5

R.T.: 5.206 min
Delta R.T.: -0.002 min
Response: 68606311
Conc: 522.11 ng/ml



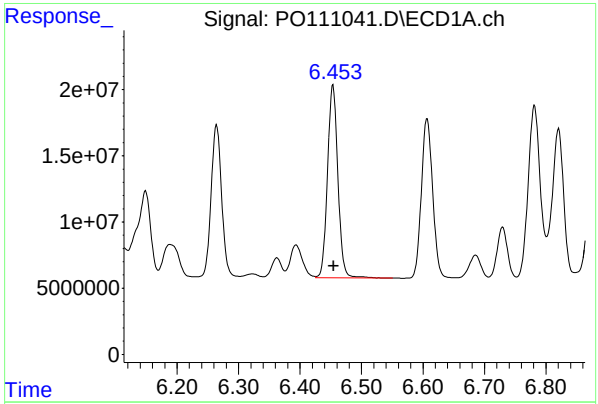
#31 AR-1260-1

R.T.: 6.264 min
Delta R.T.: -0.001 min
Response: 137056763
Conc: 412.05 ng/ml



#31 AR-1260-1

R.T.: 6.237 min
Delta R.T.: -0.002 min
Response: 109470335
Conc: 495.86 ng/ml



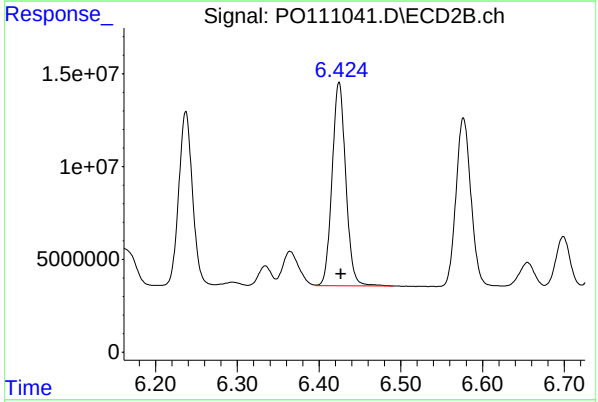
#32 AR-1260-2

R.T.: 6.454 min
Delta R.T.: -0.001 min
Response: 170990079
Conc: 412.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

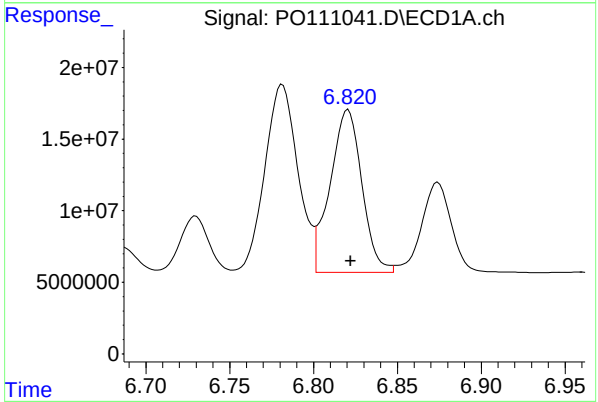
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025



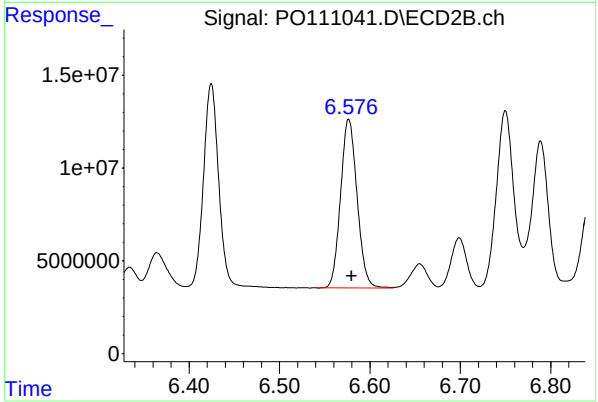
#32 AR-1260-2

R.T.: 6.425 min
Delta R.T.: -0.002 min
Response: 127423401
Conc: 495.37 ng/ml



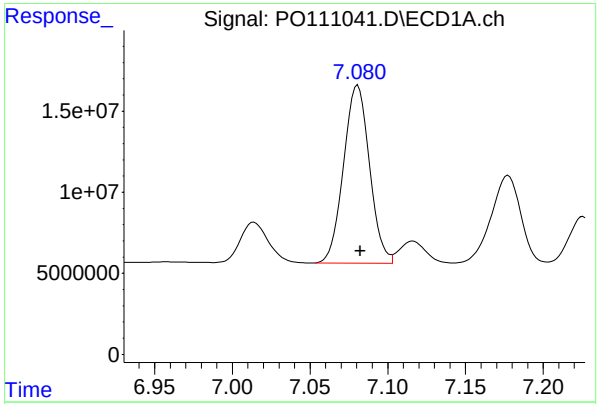
#33 AR-1260-3

R.T.: 6.821 min
Delta R.T.: -0.002 min
Response: 150418062
Conc: 427.00 ng/ml



#33 AR-1260-3

R.T.: 6.577 min
Delta R.T.: -0.003 min
Response: 115366646
Conc: 494.83 ng/ml



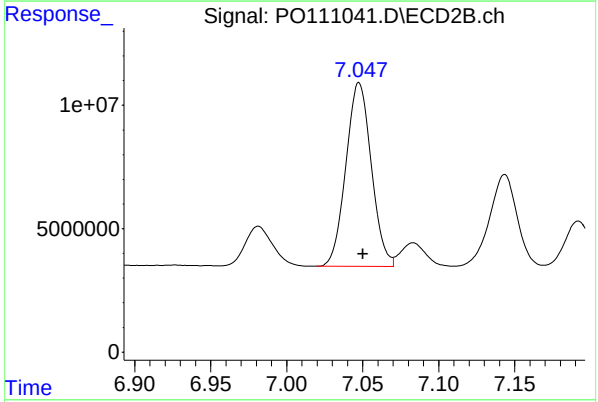
#34 AR-1260-4

R.T.: 7.081 min
Delta R.T.: -0.002 min
Response: 127771122
Conc: 419.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

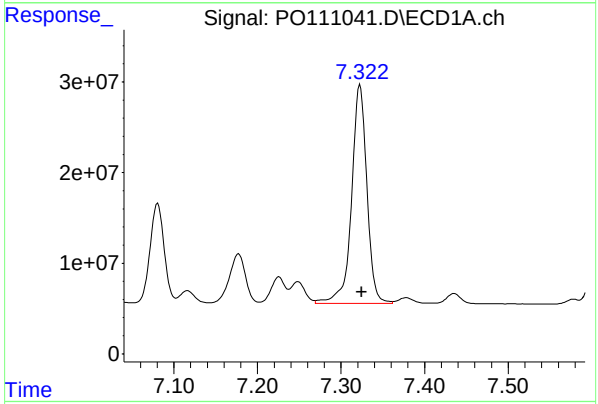
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025



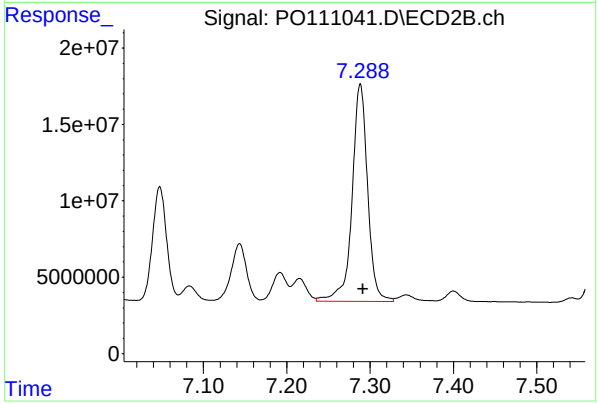
#34 AR-1260-4

R.T.: 7.048 min
Delta R.T.: -0.003 min
Response: 86791408
Conc: 476.63 ng/ml



#35 AR-1260-5

R.T.: 7.323 min
Delta R.T.: -0.002 min
Response: 307807400
Conc: 419.14 ng/ml



#35 AR-1260-5

R.T.: 7.288 min
Delta R.T.: -0.003 min
Response: 184850292
Conc: 470.13 ng/ml

Raw Data: **PO111047.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 09:14 **Initial Calibration Time(s):** 09:45 18:29

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.73	8.63	8.83	0.01

Raw Data: **PO111047.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 09:14 **Initial Calibration Time(s):** 09:45 18:29

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)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01

Raw Data: **PO111047.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111047.D **Time Analyzed:** 09:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.772	4.673	4.873	480.640	500.000	-3.9
Aroclor-1016-2	4.791	4.692	4.892	488.430	500.000	-2.3
Aroclor-1016-3	4.849	4.748	4.948	461.470	500.000	-7.7
Aroclor-1016-4	4.969	4.868	5.068	498.870	500.000	-0.2
Aroclor-1016-5	5.225	5.125	5.325	482.510	500.000	-3.5
Aroclor-1260-1	6.264	6.165	6.365	446.320	500.000	-10.7
Aroclor-1260-2	6.455	6.355	6.555	445.410	500.000	-10.9
Aroclor-1260-3	6.821	6.722	6.922	469.000	500.000	-6.2
Aroclor-1260-4	7.081	6.982	7.182	460.370	500.000	-7.9
Aroclor-1260-5	7.324	7.225	7.425	457.360	500.000	-8.5
Decachlorobiphenyl	8.723	8.625	8.825	47.850	50.000	-4.3
Tetrachloro-m-xylene	3.683	3.583	3.783	55.660	50.000	11.3

Raw Data: **PO111047.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111047.D **Time Analyzed:** 09:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.758	4.660	4.860	552.490	500.000	10.5
Aroclor-1016-2	4.776	4.679	4.879	556.420	500.000	11.3
Aroclor-1016-3	4.951	4.854	5.054	556.580	500.000	11.3
Aroclor-1016-4	4.993	4.896	5.096	560.810	500.000	12.2
Aroclor-1016-5	5.206	5.109	5.309	551.850	500.000	10.4
Aroclor-1260-1	6.237	6.139	6.339	532.320	500.000	6.5
Aroclor-1260-2	6.425	6.327	6.527	529.310	500.000	5.9
Aroclor-1260-3	6.577	6.480	6.680	531.510	500.000	6.3
Aroclor-1260-4	7.047	6.950	7.150	514.110	500.000	2.8
Aroclor-1260-5	7.288	7.192	7.392	505.580	500.000	1.1
Decachlorobiphenyl	8.671	8.576	8.776	58.570	50.000	17.1
Tetrachloro-m-xylene	3.679	3.580	3.780	59.690	50.000	19.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111047.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 09:14
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.679	318.4E6	289.1E6	55.656	59.689
2)	SA Decachlor...	8.723	8.671	292.0E6	98830081	47.852	58.574
	Target Compounds						
3)	L1 AR-1016-1	4.772	4.758	106.2E6	87777966	480.641	552.489
4)	L1 AR-1016-2	4.791	4.776	151.5E6	127.2E6	488.428	556.422
5)	L1 AR-1016-3	4.849	4.951	105.5E6	67867220	461.472	556.580
6)	L1 AR-1016-4	4.969	4.993	83406830	56507918	498.866	560.811
7)	L1 AR-1016-5	5.225	5.206	85929010	72514398	482.507	551.849
31)	L7 AR-1260-1	6.264	6.237	148.5E6	117.5E6	446.325	532.323
32)	L7 AR-1260-2	6.455	6.425	184.8E6	136.2E6	445.406	529.306
33)	L7 AR-1260-3	6.821	6.577	165.2E6	123.9E6	469.003	531.506
34)	L7 AR-1260-4	7.081	7.047	140.1E6	93617204	460.366	514.110
35)	L7 AR-1260-5	7.324	7.288	335.9E6	198.8E6	457.359	505.575

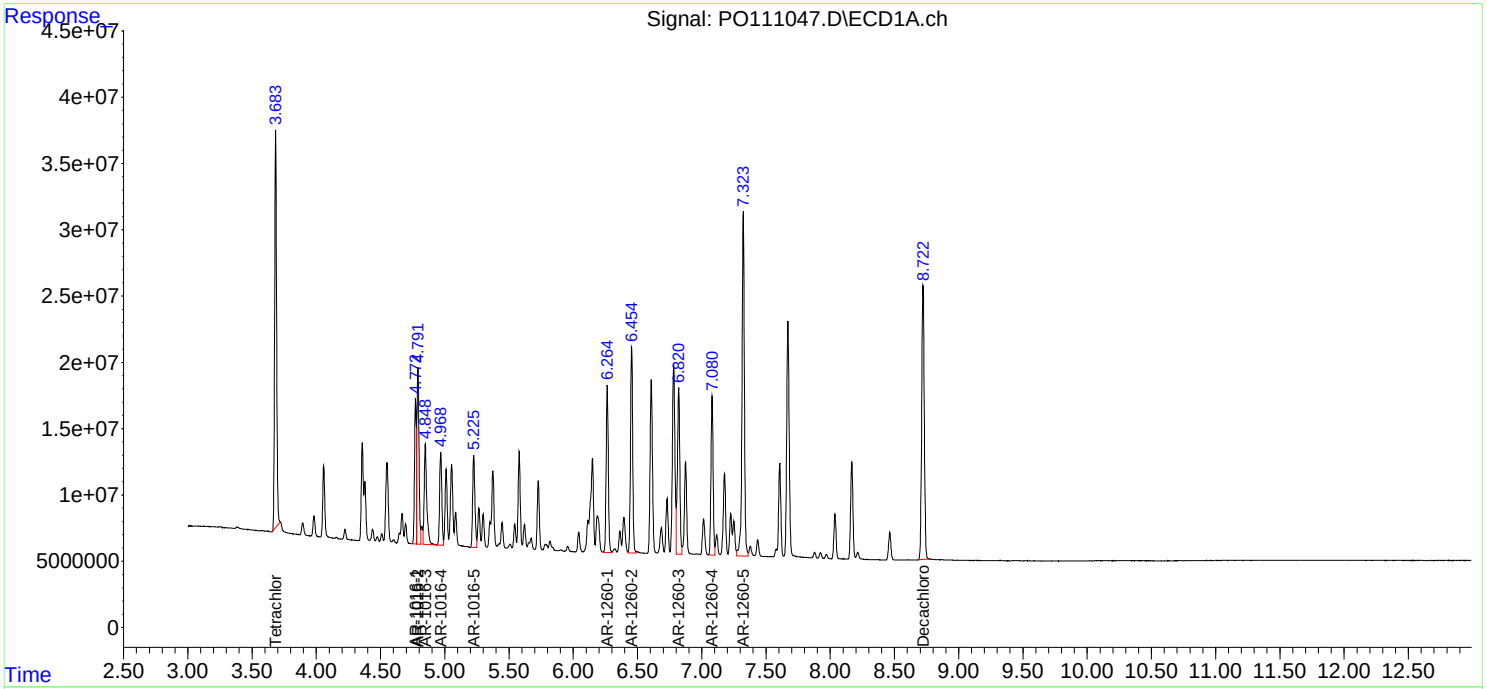
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

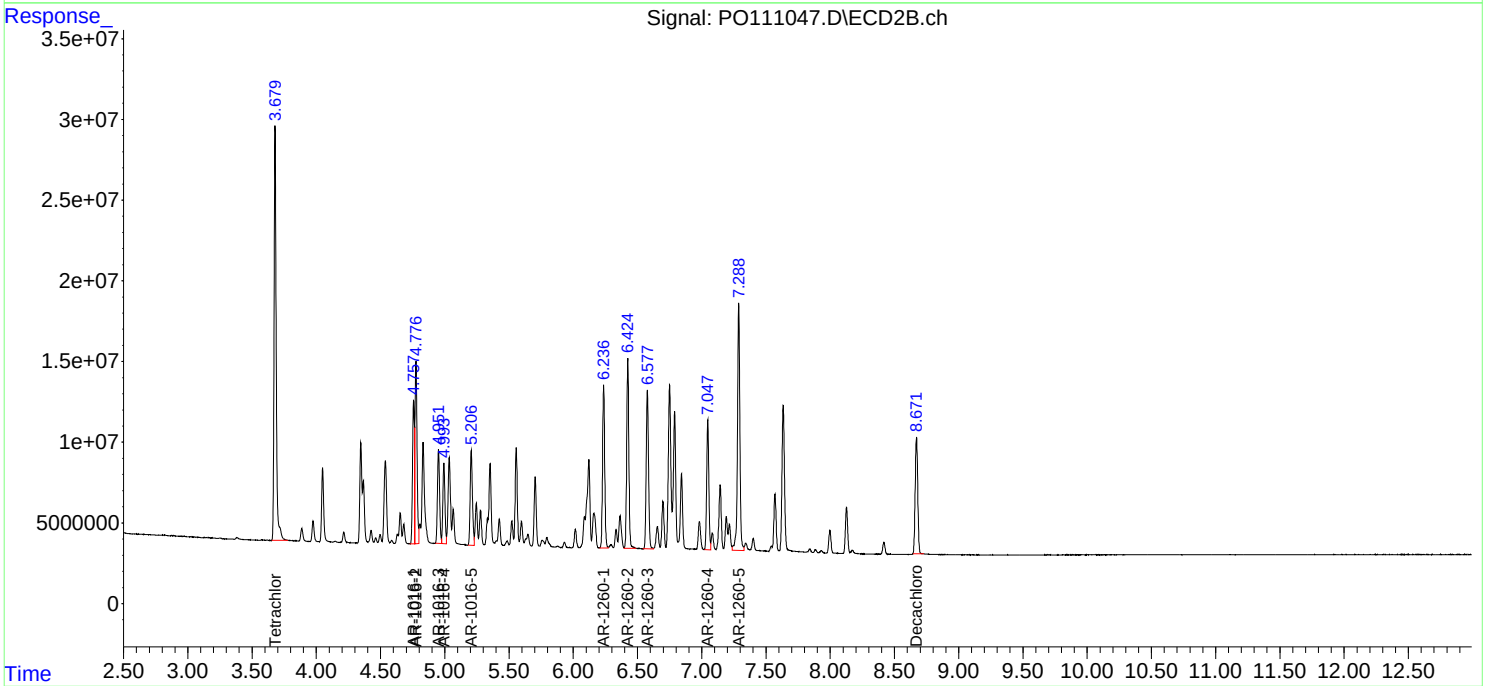
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111047.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 09:14
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

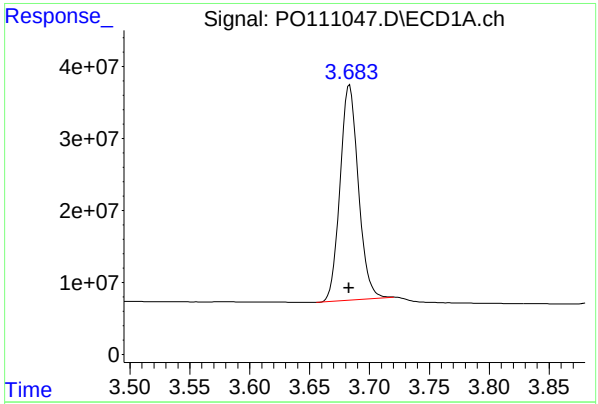
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



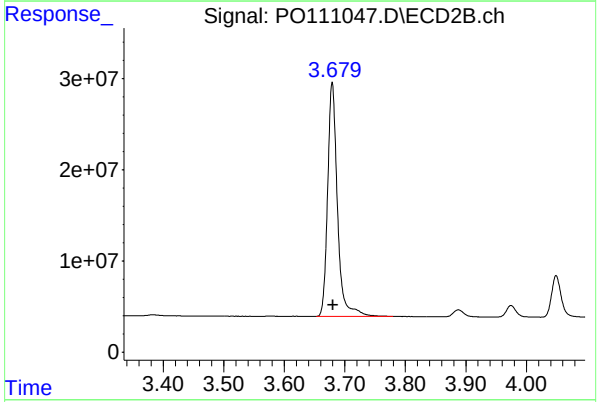




#1 Tetrachloro-m-xylene

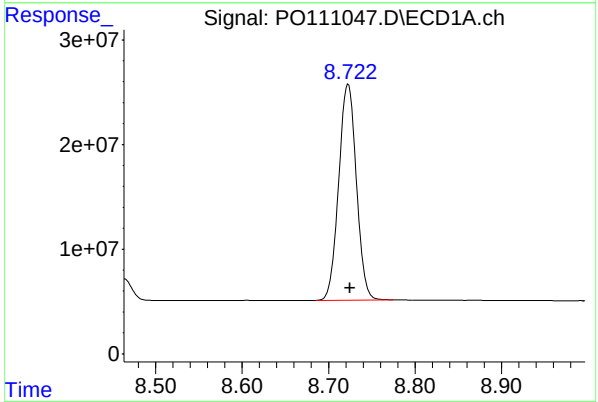
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 318397084
Conc: 55.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



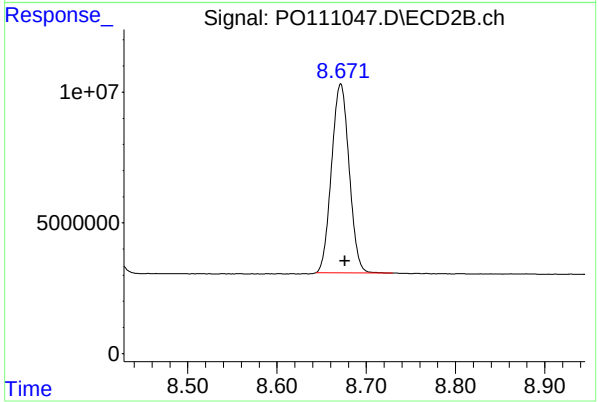
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.001 min
Response: 289080958
Conc: 59.69 ng/ml



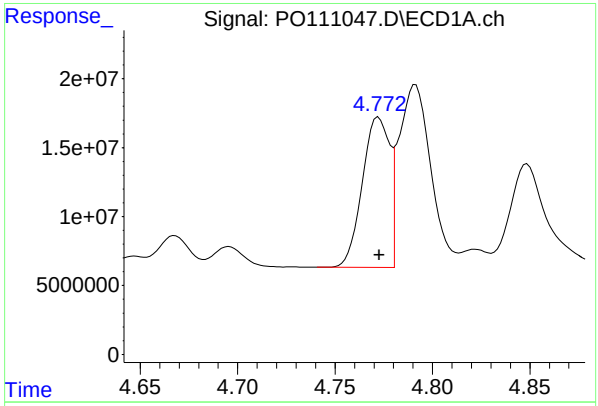
#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 292016278
Conc: 47.85 ng/ml



#2 Decachlorobiphenyl

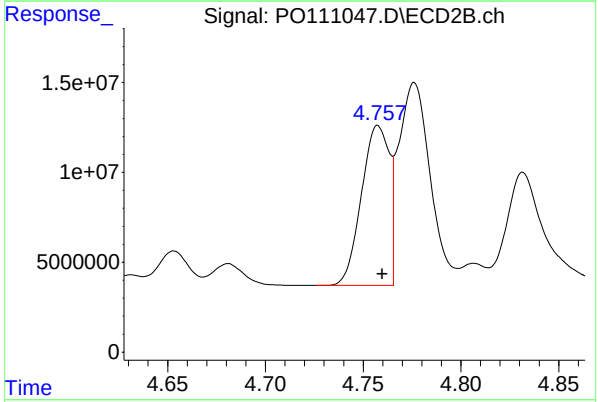
R.T.: 8.671 min
Delta R.T.: -0.005 min
Response: 98830081
Conc: 58.57 ng/ml



#3 AR-1016-1

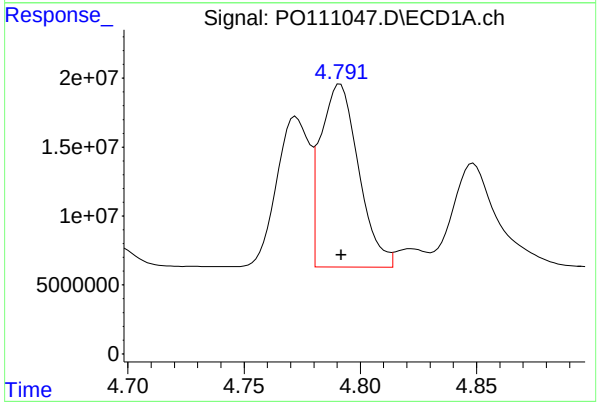
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 106228429
Conc: 480.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



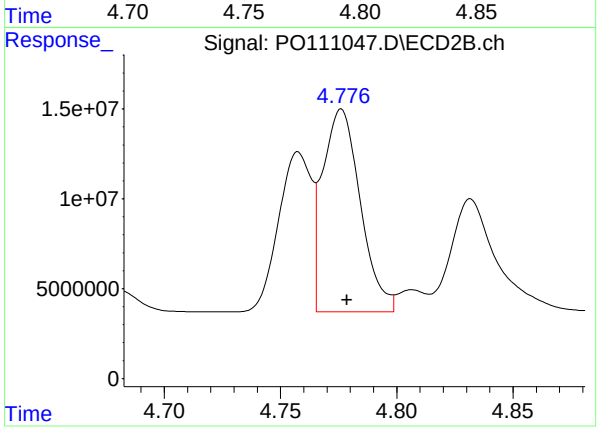
#3 AR-1016-1

R.T.: 4.758 min
Delta R.T.: -0.002 min
Response: 87777966
Conc: 552.49 ng/ml



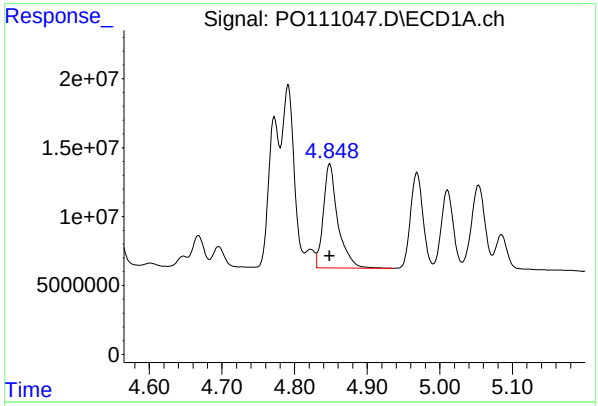
#4 AR-1016-2

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 151496782
Conc: 488.43 ng/ml



#4 AR-1016-2

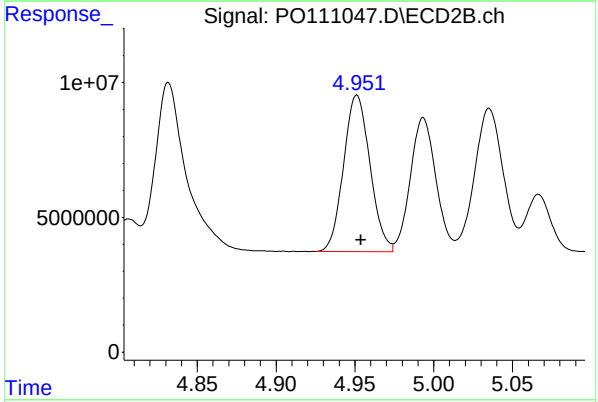
R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 127180061
Conc: 556.42 ng/ml



#5 AR-1016-3

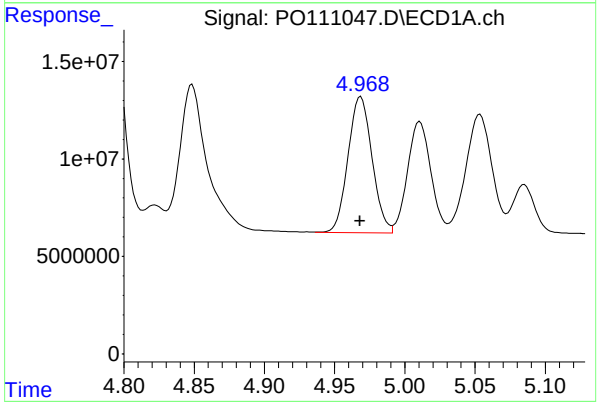
R.T.: 4.849 min
Delta R.T.: 0.000 min
Response: 105539539
Conc: 461.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



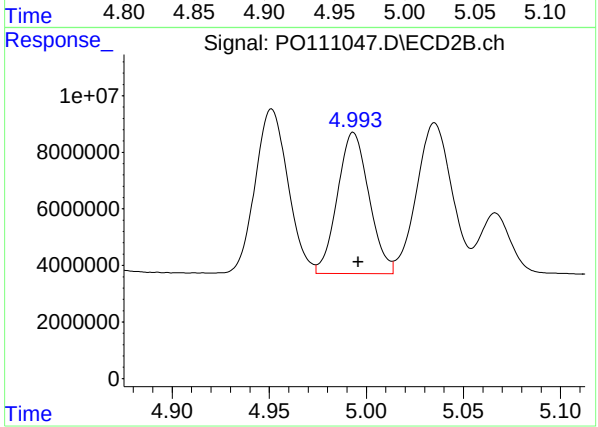
#5 AR-1016-3

R.T.: 4.951 min
Delta R.T.: -0.003 min
Response: 67867220
Conc: 556.58 ng/ml



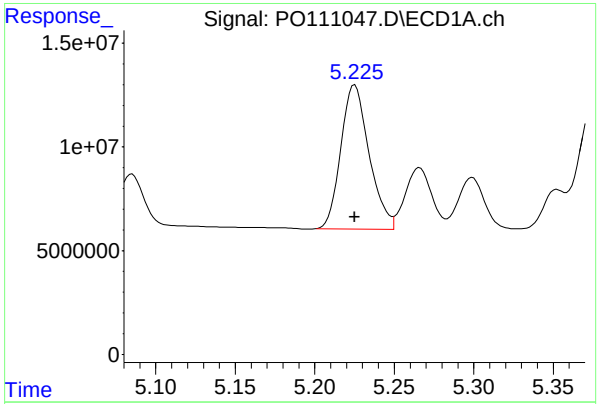
#6 AR-1016-4

R.T.: 4.969 min
Delta R.T.: 0.000 min
Response: 83406830
Conc: 498.87 ng/ml



#6 AR-1016-4

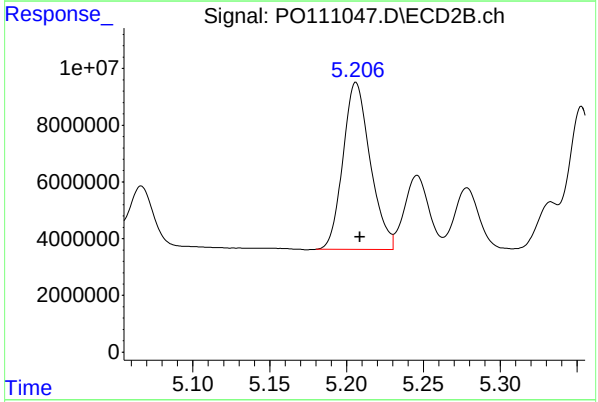
R.T.: 4.993 min
Delta R.T.: -0.002 min
Response: 56507918
Conc: 560.81 ng/ml



#7 AR-1016-5

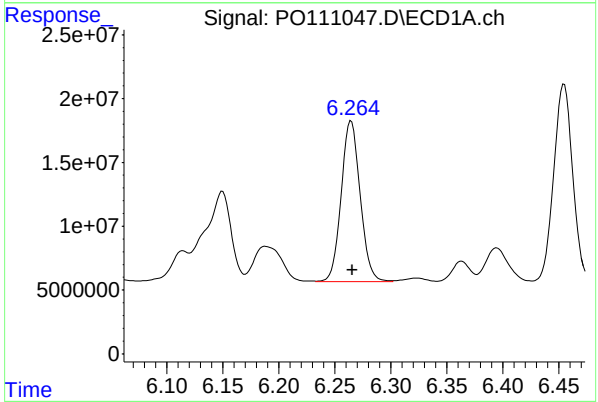
R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 85929010
Conc: 482.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



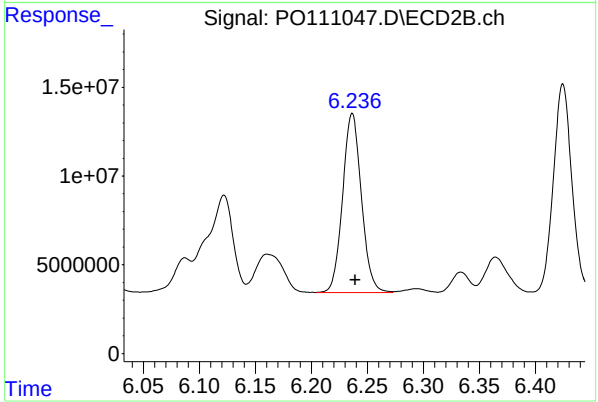
#7 AR-1016-5

R.T.: 5.206 min
Delta R.T.: -0.003 min
Response: 72514398
Conc: 551.85 ng/ml



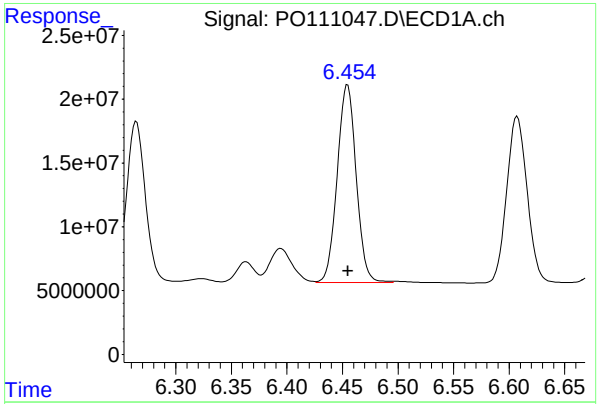
#31 AR-1260-1

R.T.: 6.264 min
Delta R.T.: 0.000 min
Response: 148457916
Conc: 446.32 ng/ml



#31 AR-1260-1

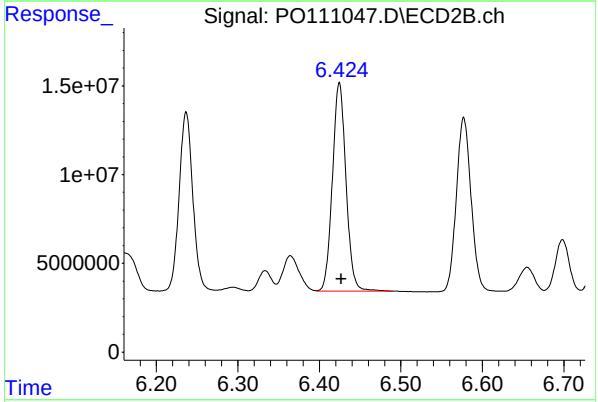
R.T.: 6.237 min
Delta R.T.: -0.003 min
Response: 117520654
Conc: 532.32 ng/ml



#32 AR-1260-2

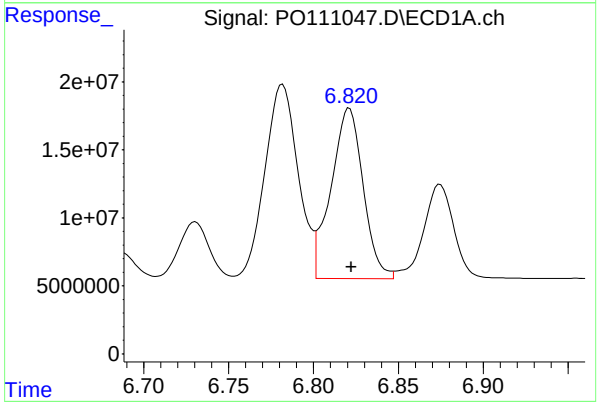
R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 184760014
Conc: 445.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



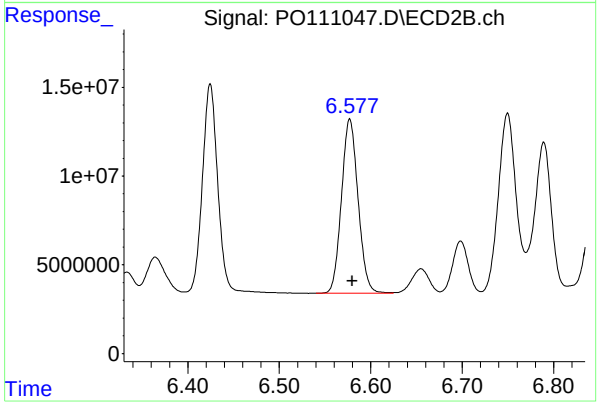
#32 AR-1260-2

R.T.: 6.425 min
Delta R.T.: -0.002 min
Response: 136152484
Conc: 529.31 ng/ml



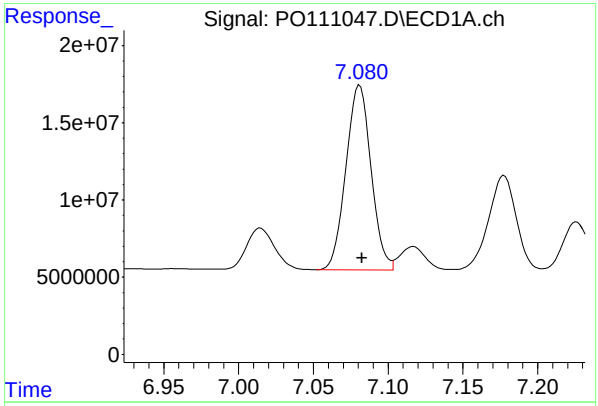
#33 AR-1260-3

R.T.: 6.821 min
Delta R.T.: -0.001 min
Response: 165213698
Conc: 469.00 ng/ml



#33 AR-1260-3

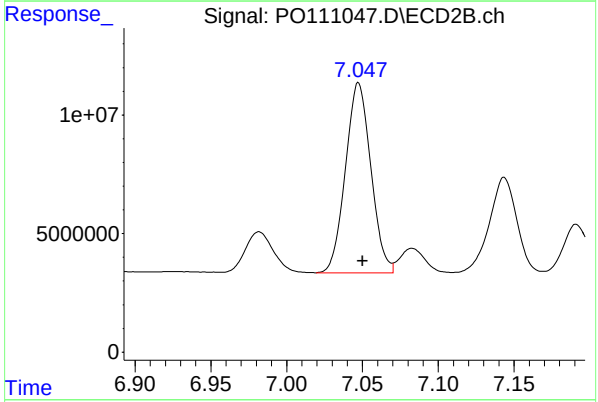
R.T.: 6.577 min
Delta R.T.: -0.003 min
Response: 123917280
Conc: 531.51 ng/ml



#34 AR-1260-4

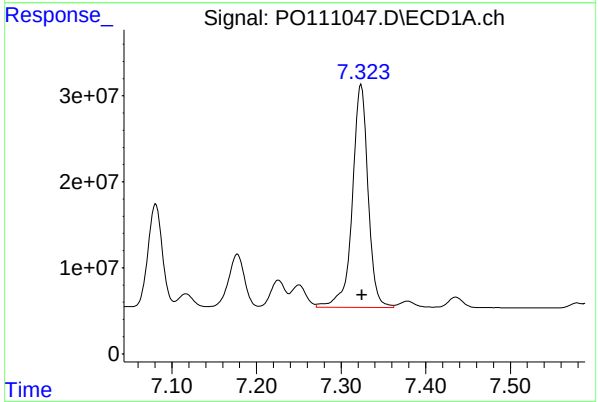
R.T.: 7.081 min
Delta R.T.: -0.001 min
Response: 140060042
Conc: 460.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



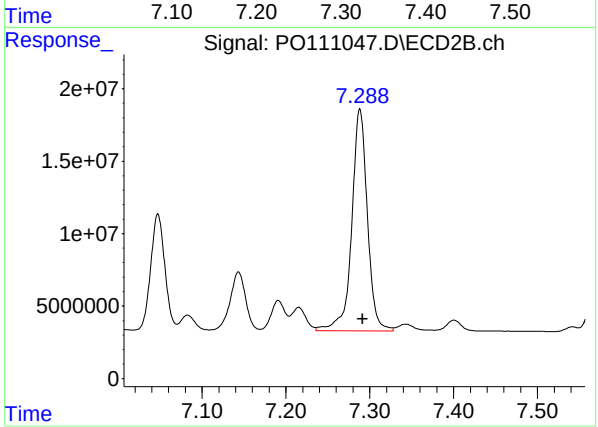
#34 AR-1260-4

R.T.: 7.047 min
Delta R.T.: -0.003 min
Response: 93617204
Conc: 514.11 ng/ml



#35 AR-1260-5

R.T.: 7.324 min
Delta R.T.: 0.000 min
Response: 335878266
Conc: 457.36 ng/ml



#35 AR-1260-5

R.T.: 7.288 min
Delta R.T.: -0.003 min
Response: 198788993
Conc: 505.58 ng/ml

Raw Data: **PO111054.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 12:33 **Initial Calibration Time(s):** 09:45 18:29

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)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.85	4.85	4.75	4.95	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.73	8.63	8.83	0.01

Raw Data: **PO111054.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/14/2025 **Initial Calibration Date(s):** 05/02/2025 05/02/2025

Continuing Calib Time: 12:33 **Initial Calibration Time(s):** 09:45 18:29

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)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	5.00	4.90	5.10	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111054.D **Time Analyzed:** 12:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.773	4.673	4.873	467.820	500.000	-6.4
Aroclor-1016-2	4.793	4.692	4.892	462.680	500.000	-7.5
Aroclor-1016-3	4.849	4.748	4.948	434.400	500.000	-13.1
Aroclor-1016-4	4.969	4.868	5.068	474.450	500.000	-5.1
Aroclor-1016-5	5.226	5.125	5.325	466.230	500.000	-6.8
Aroclor-1260-1	6.265	6.165	6.365	427.130	500.000	-14.6
Aroclor-1260-2	6.455	6.355	6.555	423.330	500.000	-15.3
Aroclor-1260-3	6.822	6.722	6.922	437.730	500.000	-12.5
Aroclor-1260-4	7.081	6.982	7.182	430.380	500.000	-13.9
Aroclor-1260-5	7.324	7.225	7.425	443.120	500.000	-11.4
Decachlorobiphenyl	8.723	8.625	8.825	44.970	50.000	-10.1
Tetrachloro-m-xylene	3.684	3.583	3.783	52.750	50.000	5.5

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/02/2025 05/02/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO111054.D **Time Analyzed:** 12:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.757	4.660	4.860	536.700	500.000	7.3
Aroclor-1016-2	4.776	4.679	4.879	545.960	500.000	9.2
Aroclor-1016-3	4.952	4.854	5.054	541.050	500.000	8.2
Aroclor-1016-4	4.994	4.896	5.096	539.650	500.000	7.9
Aroclor-1016-5	5.207	5.109	5.309	534.440	500.000	6.9
Aroclor-1260-1	6.237	6.139	6.339	515.730	500.000	3.1
Aroclor-1260-2	6.425	6.327	6.527	509.970	500.000	2.0
Aroclor-1260-3	6.577	6.480	6.680	509.450	500.000	1.9
Aroclor-1260-4	7.048	6.950	7.150	486.660	500.000	-2.7
Aroclor-1260-5	7.289	7.192	7.392	480.350	500.000	-3.9
Decachlorobiphenyl	8.672	8.576	8.776	55.800	50.000	11.6
Tetrachloro-m-xylene	3.680	3.580	3.780	57.750	50.000	15.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111054.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 12:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:04:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	301.8E6	279.7E6	52.749	57.752
2)	SA Decachlor...	8.723	8.672	274.4E6	94152070	44.973	55.802
	Target Compounds						
3)	L1 AR-1016-1	4.773	4.757	103.4E6	85269479	467.816	536.700
4)	L1 AR-1016-2	4.793	4.776	143.5E6	124.8E6	462.684	545.962
5)	L1 AR-1016-3	4.849	4.952	99348085	65973455	434.400	541.049
6)	L1 AR-1016-4	4.969	4.994	79324814	54375998	474.451	539.653
7)	L1 AR-1016-5	5.226	5.207	83029885	70227239	466.228	534.443
31)	L7 AR-1260-1	6.265	6.237	142.1E6	113.9E6	427.128	515.729
32)	L7 AR-1260-2	6.455	6.425	175.6E6	131.2E6	423.328	509.969
33)	L7 AR-1260-3	6.822	6.577	154.2E6	118.8E6	437.728	509.454
34)	L7 AR-1260-4	7.081	7.048	130.9E6	88618105	430.381	486.657
35)	L7 AR-1260-5	7.324	7.289	325.4E6	188.9E6	443.118	480.347

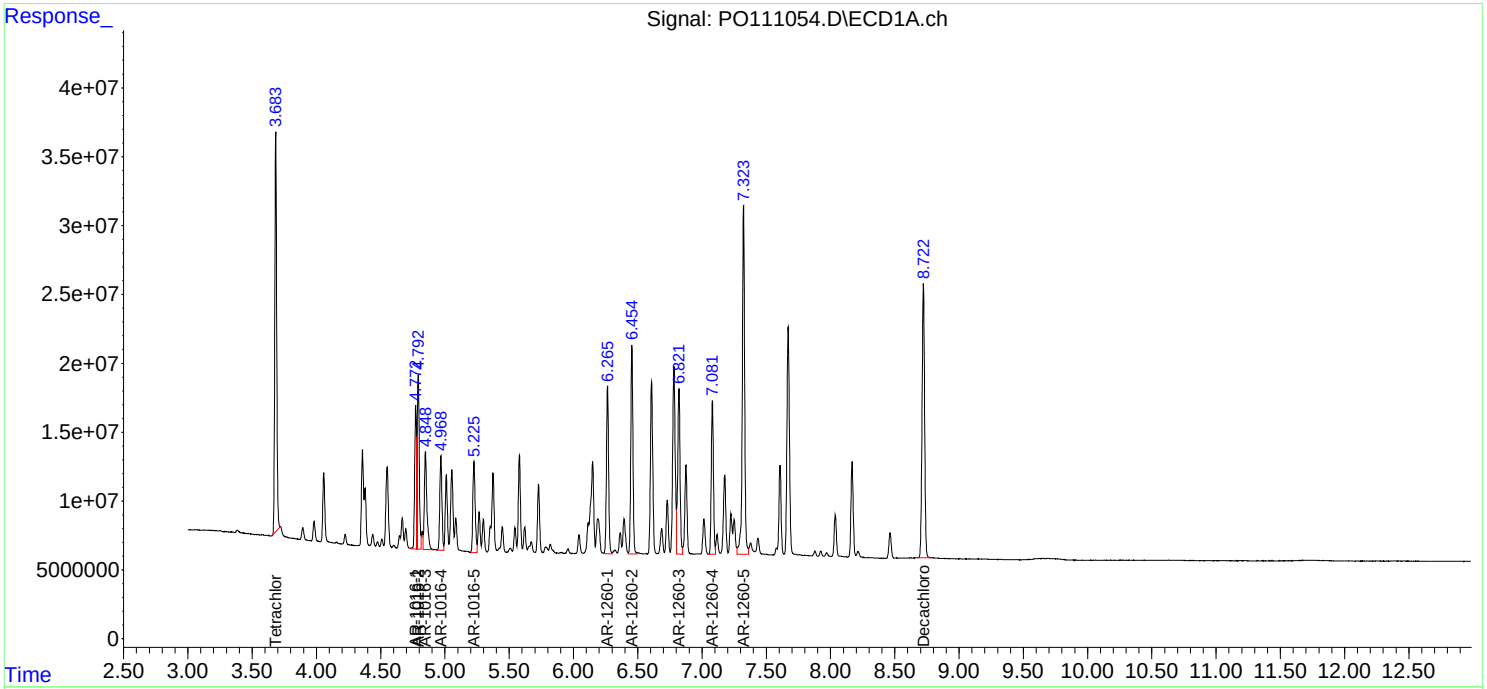
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

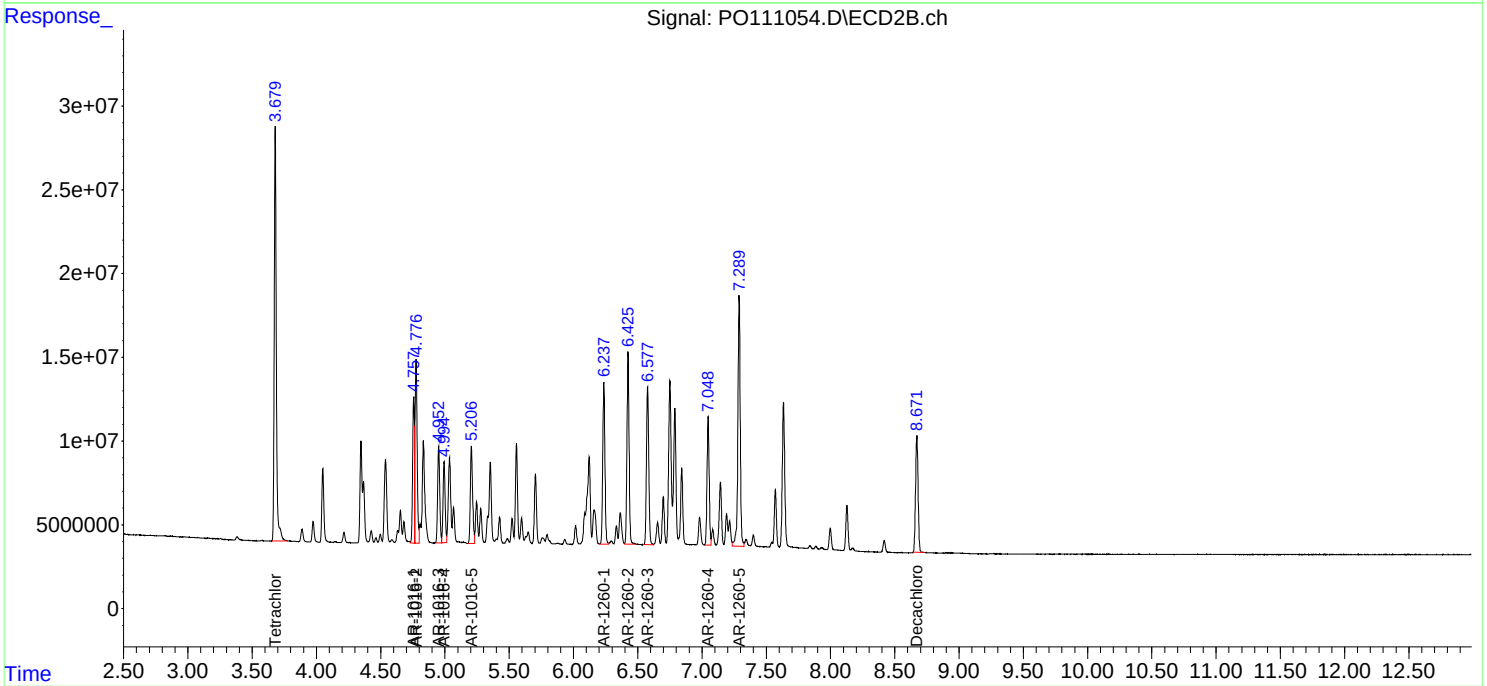
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111054.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 12:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

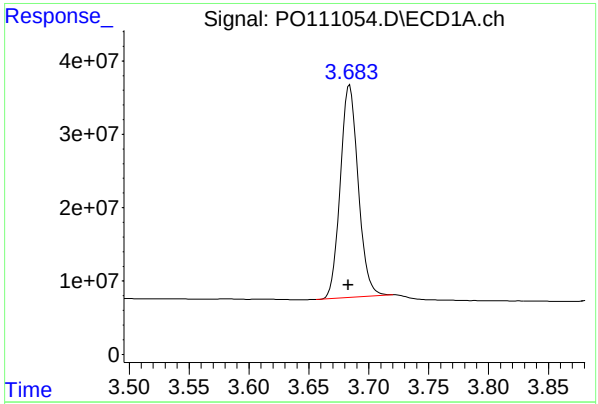
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:04:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



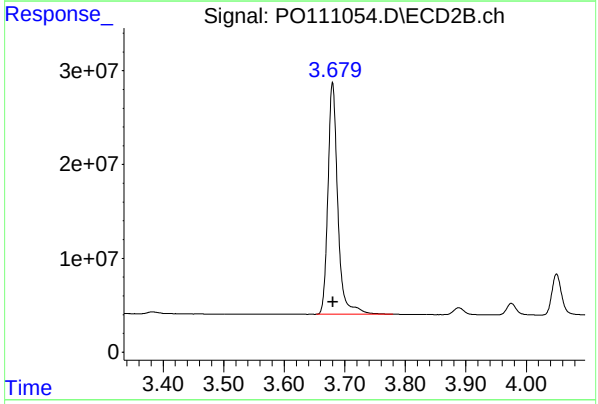




#1 Tetrachloro-m-xylene

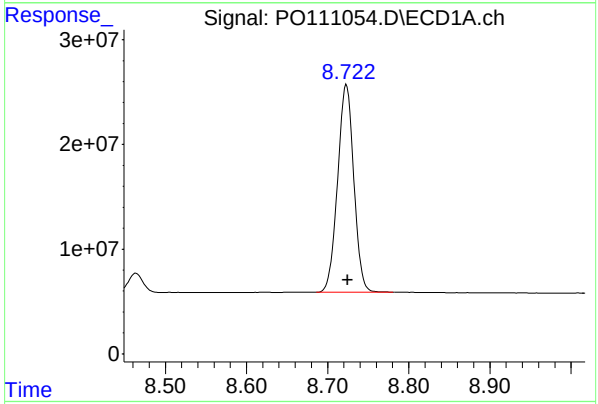
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 301767778
Conc: 52.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



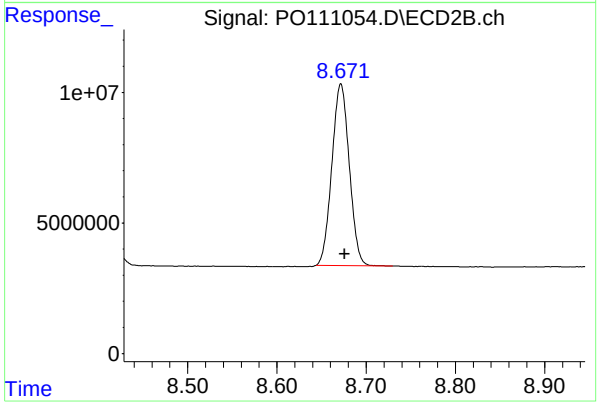
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 279699543
Conc: 57.75 ng/ml



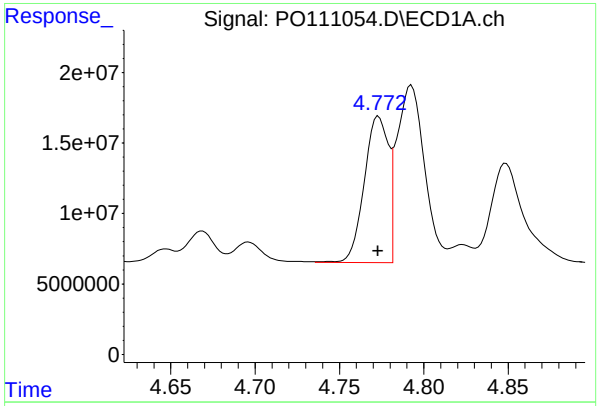
#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 274447967
Conc: 44.97 ng/ml



#2 Decachlorobiphenyl

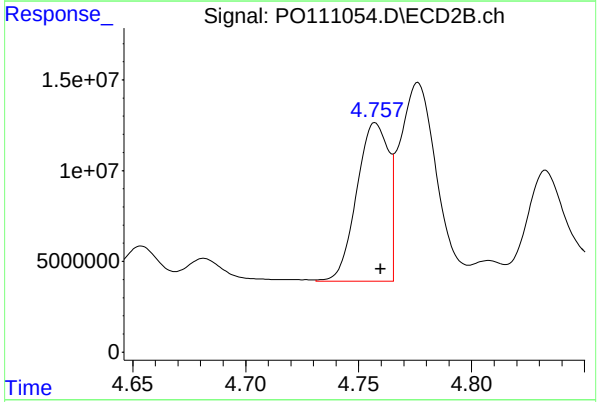
R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 94152070
Conc: 55.80 ng/ml



#3 AR-1016-1

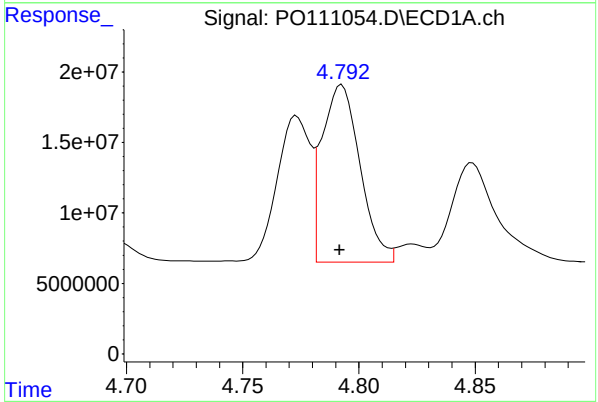
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 103394036
Conc: 467.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



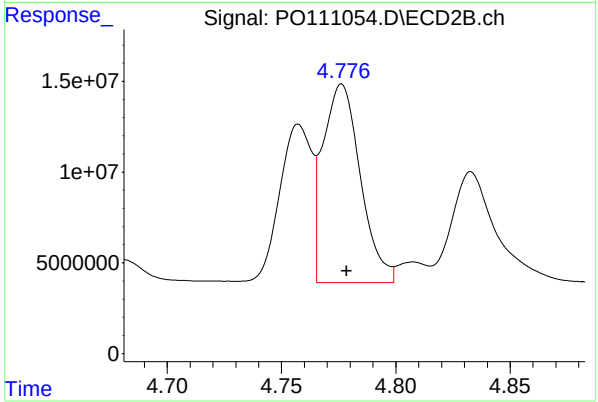
#3 AR-1016-1

R.T.: 4.757 min
Delta R.T.: -0.002 min
Response: 85269479
Conc: 536.70 ng/ml



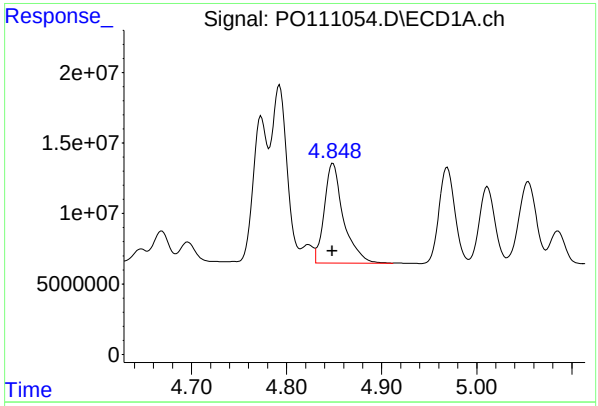
#4 AR-1016-2

R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 143511738
Conc: 462.68 ng/ml



#4 AR-1016-2

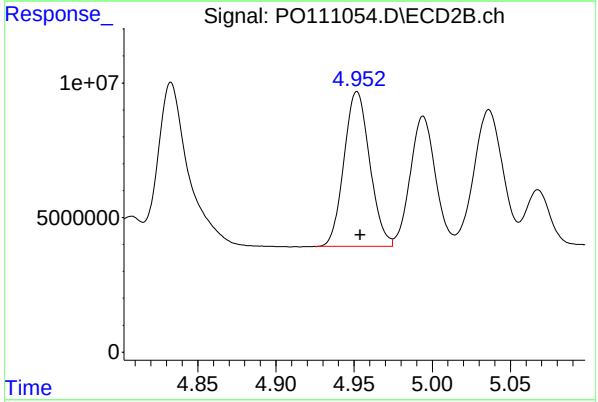
R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 124789195
Conc: 545.96 ng/ml



#5 AR-1016-3

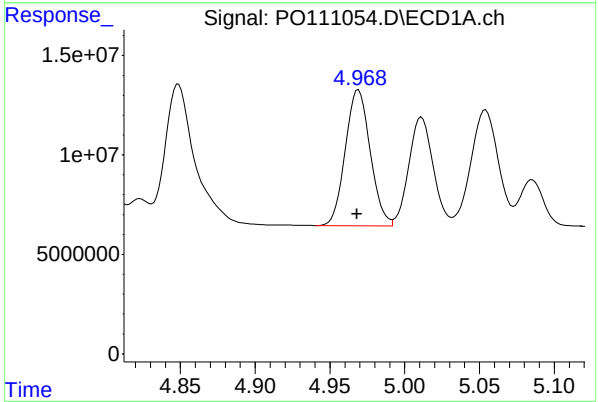
R.T.: 4.849 min
Delta R.T.: 0.000 min
Response: 99348085
Conc: 434.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



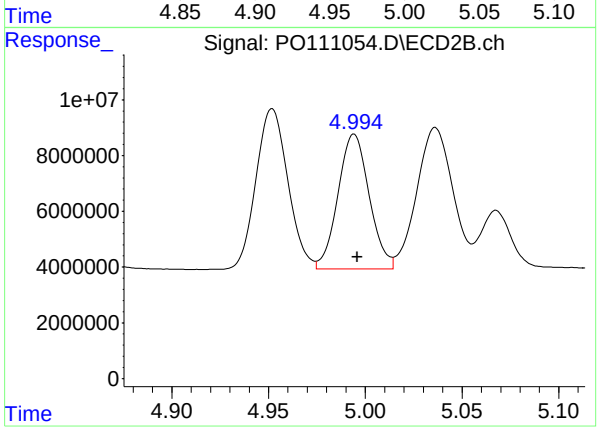
#5 AR-1016-3

R.T.: 4.952 min
Delta R.T.: -0.002 min
Response: 65973455
Conc: 541.05 ng/ml



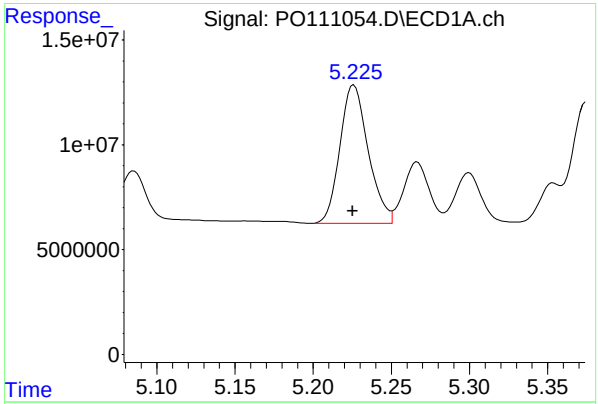
#6 AR-1016-4

R.T.: 4.969 min
Delta R.T.: 0.000 min
Response: 79324814
Conc: 474.45 ng/ml



#6 AR-1016-4

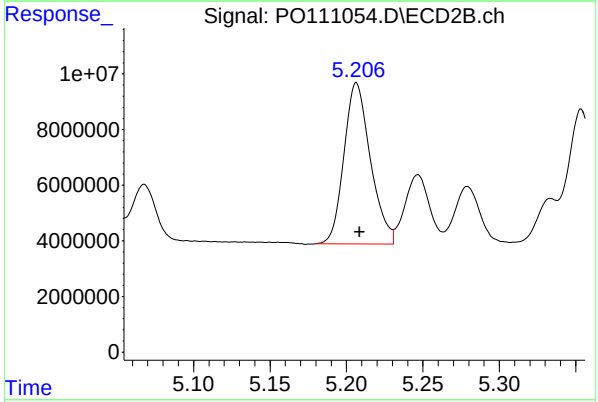
R.T.: 4.994 min
Delta R.T.: -0.002 min
Response: 54375998
Conc: 539.65 ng/ml



#7 AR-1016-5

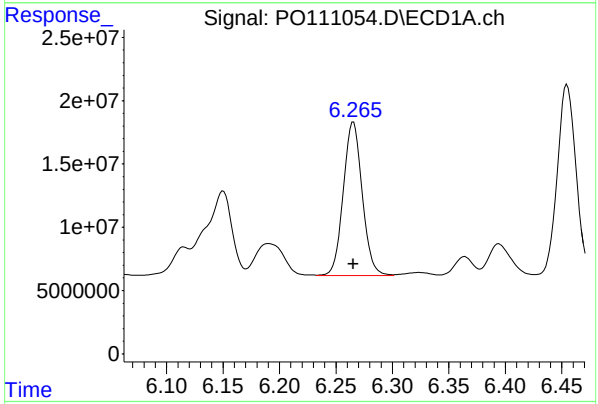
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 83029885
Conc: 466.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



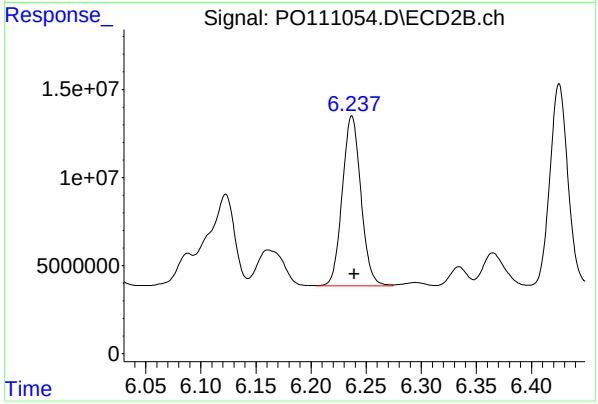
#7 AR-1016-5

R.T.: 5.207 min
Delta R.T.: -0.002 min
Response: 70227239
Conc: 534.44 ng/ml



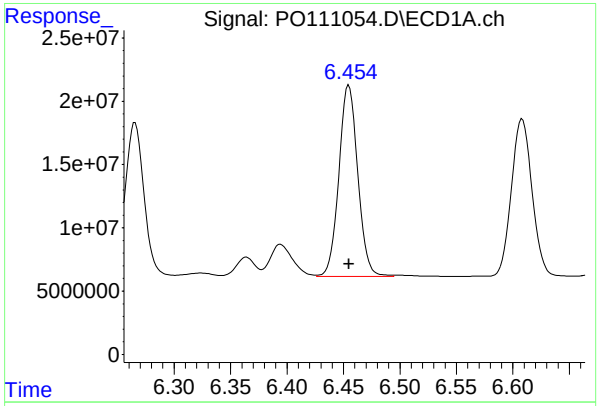
#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 142072786
Conc: 427.13 ng/ml



#31 AR-1260-1

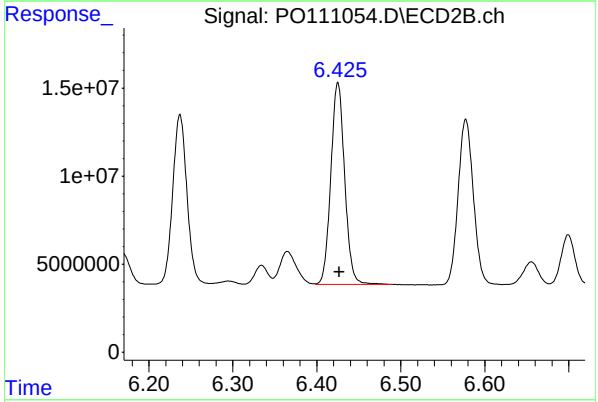
R.T.: 6.237 min
Delta R.T.: -0.002 min
Response: 113857120
Conc: 515.73 ng/ml



#32 AR-1260-2

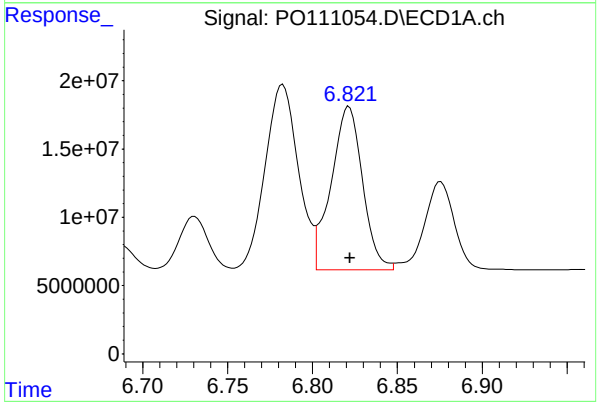
R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 175601941
Conc: 423.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



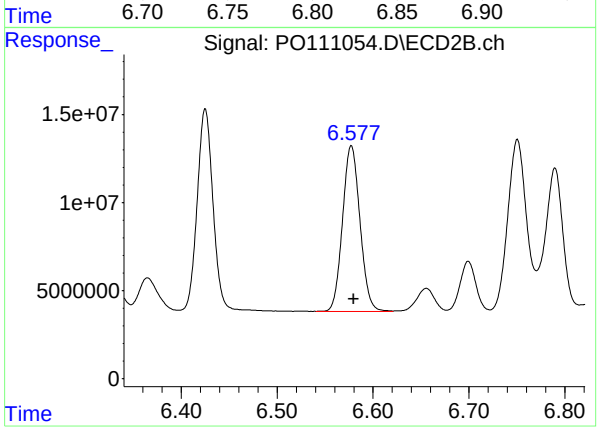
#32 AR-1260-2

R.T.: 6.425 min
Delta R.T.: -0.002 min
Response: 131178549
Conc: 509.97 ng/ml



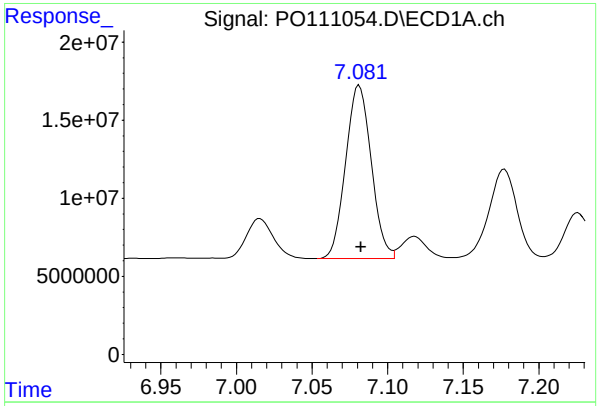
#33 AR-1260-3

R.T.: 6.822 min
Delta R.T.: 0.000 min
Response: 154196861
Conc: 437.73 ng/ml



#33 AR-1260-3

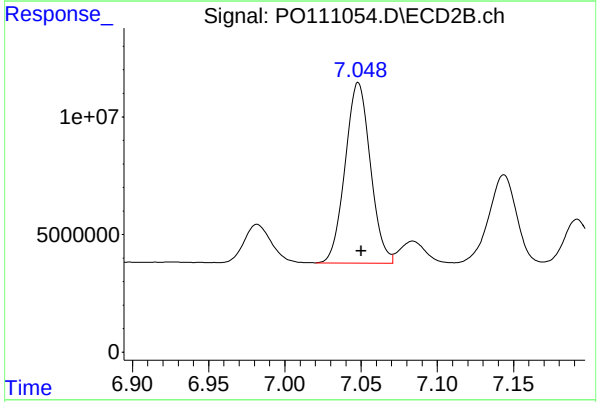
R.T.: 6.577 min
Delta R.T.: -0.002 min
Response: 118775981
Conc: 509.45 ng/ml



#34 AR-1260-4

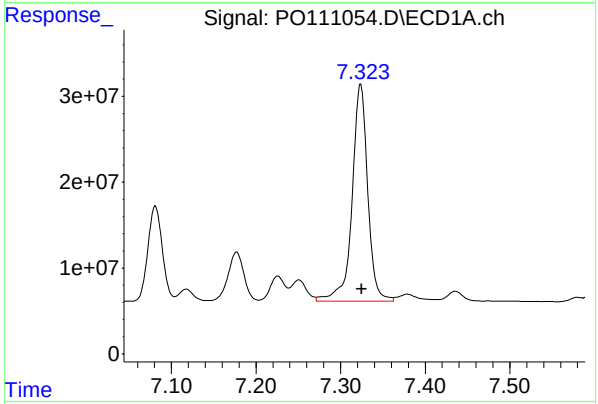
R.T.: 7.081 min
Delta R.T.: -0.001 min
Response: 130937372
Conc: 430.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



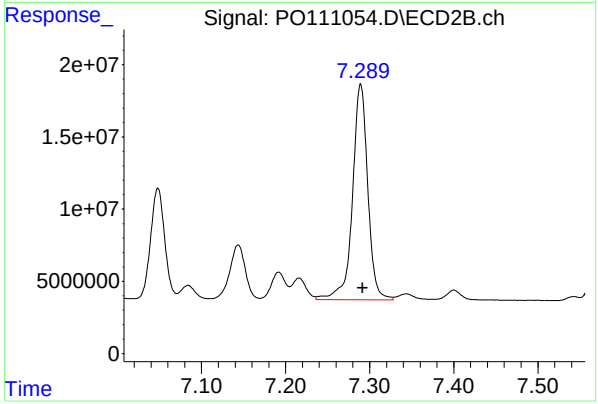
#34 AR-1260-4

R.T.: 7.048 min
Delta R.T.: -0.002 min
Response: 88618105
Conc: 486.66 ng/ml



#35 AR-1260-5

R.T.: 7.324 min
Delta R.T.: 0.000 min
Response: 325419545
Conc: 443.12 ng/ml



#35 AR-1260-5

R.T.: 7.289 min
Delta R.T.: -0.002 min
Response: 188869476
Conc: 480.35 ng/ml

Raw Data: **PP072003.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 08:46 **Initial Calibration Time(s):** 10:29 17:49

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)	5.65	5.67	5.57	5.77	0.02
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.50	7.52	7.42	7.62	0.02
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.08	8.10	8.00	8.20	0.02
Aroclor-1260-5	(5)	8.40	8.42	8.32	8.52	0.02
Tetrachloro-m-xylene		4.50	4.52	4.42	4.62	0.02
Decachlorobiphenyl		10.21	10.24	10.14	10.34	0.03

Raw Data: **PP072003.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 08:46 **Initial Calibration Time(s):** 10:29 17:49

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)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.85	8.75	8.95	0.03

Raw Data: **PP072003.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072003.D **Time Analyzed:** 08:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.654	5.571	5.771	435.580	500.000	-12.9
Aroclor-1016-2	5.676	5.593	5.793	489.540	500.000	-2.1
Aroclor-1016-3	5.740	5.654	5.854	498.220	500.000	-0.4
Aroclor-1016-4	5.837	5.752	5.952	497.870	500.000	-0.4
Aroclor-1016-5	6.129	6.045	6.245	473.280	500.000	-5.3
Aroclor-1260-1	7.246	7.165	7.365	487.530	500.000	-2.5
Aroclor-1260-2	7.500	7.418	7.618	494.000	500.000	-1.2
Aroclor-1260-3	7.859	7.777	7.977	521.410	500.000	4.3
Aroclor-1260-4	8.083	8.002	8.202	497.080	500.000	-0.6
Aroclor-1260-5	8.402	8.322	8.522	523.000	500.000	4.6
Decachlorobiphenyl	10.210	10.137	10.337	54.410	50.000	8.8
Tetrachloro-m-xylene	4.503	4.417	4.617	50.830	50.000	1.7

Raw Data: **PP072003.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072003.D **Time Analyzed:** 08:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.798	4.998	565.920	500.000	13.2
Aroclor-1016-2	4.903	4.816	5.016	546.000	500.000	9.2
Aroclor-1016-3	5.081	4.993	5.193	524.510	500.000	4.9
Aroclor-1016-4	5.122	5.036	5.236	541.610	500.000	8.3
Aroclor-1016-5	5.335	5.250	5.450	554.940	500.000	11.0
Aroclor-1260-1	6.369	6.285	6.485	581.080	500.000	16.2
Aroclor-1260-2	6.557	6.473	6.673	573.180	500.000	14.6
Aroclor-1260-3	6.710	6.627	6.827	574.760	500.000	15.0
Aroclor-1260-4	7.180	7.098	7.298	580.790	500.000	16.2
Aroclor-1260-5	7.422	7.339	7.539	560.270	500.000	12.1
Decachlorobiphenyl	8.824	8.749	8.949	60.150	50.000	20.3
Tetrachloro-m-xylene	3.803	3.712	3.912	56.690	50.000	13.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 08:46
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:49:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.503	3.803	100.8E6	79855057	50.834	56.689
2)	SA Decachlor...	10.210	8.824	78781894	52755072	54.407	60.150m
	Target Compounds						
3)	L1 AR-1016-1	5.654	4.885	29205386	30295467	435.577m	565.915m#
4)	L1 AR-1016-2	5.676	4.903	50241054	41694900	489.544m	546.004m
5)	L1 AR-1016-3	5.740	5.081	30713714	22139616	498.218	524.506
6)	L1 AR-1016-4	5.837	5.122	25539655	18677907	497.867	541.609
7)	L1 AR-1016-5	6.129	5.335	22830323	24665709	473.281	554.943
31)	L7 AR-1260-1	7.246	6.369	46814552	42011324	487.527	581.076
32)	L7 AR-1260-2	7.500	6.557	70680701	50131351	494.003	573.182
33)	L7 AR-1260-3	7.859	6.710	58452138	45054009	521.410	574.760
34)	L7 AR-1260-4	8.083	7.180	56102615	36654241	497.078	580.794
35)	L7 AR-1260-5	8.402	7.422	118.5E6	84476146	522.998	560.271

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 08:46
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

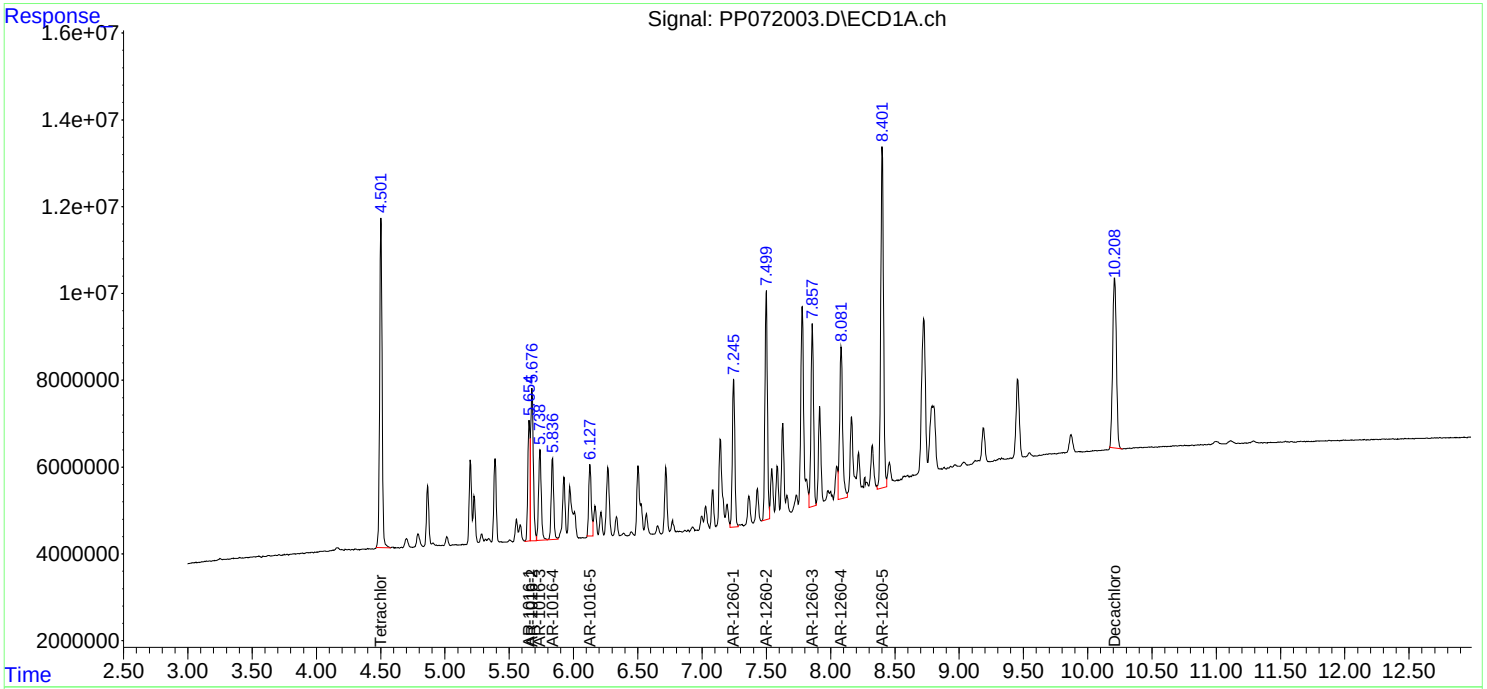
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

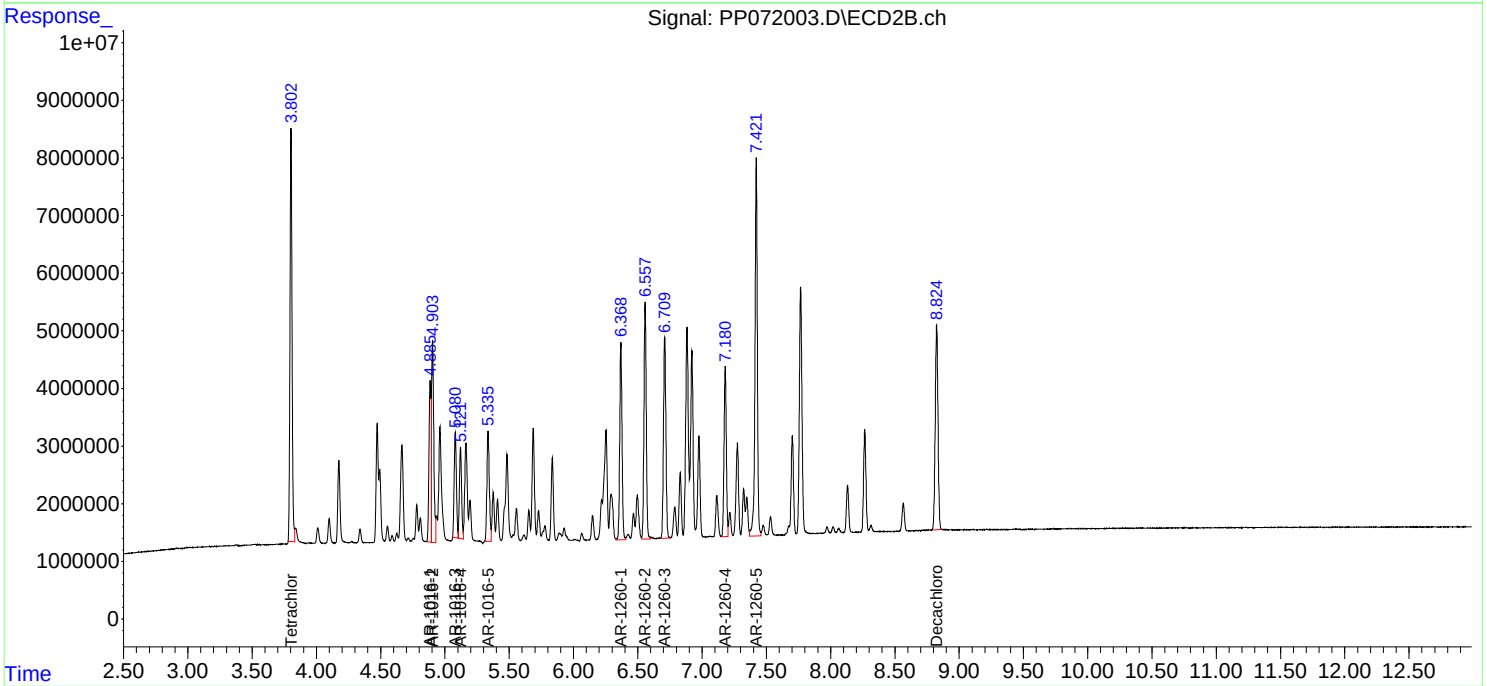
Manual Integrations APPROVED

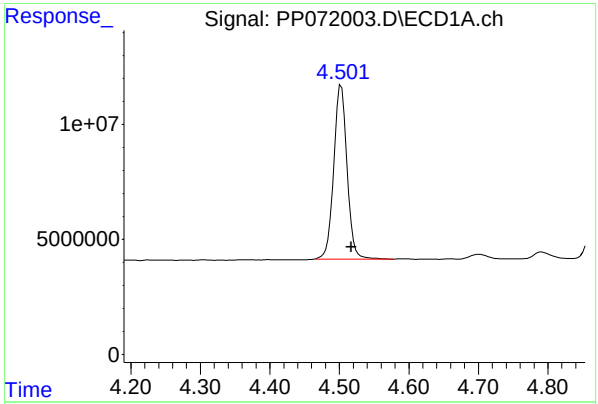
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:49:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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







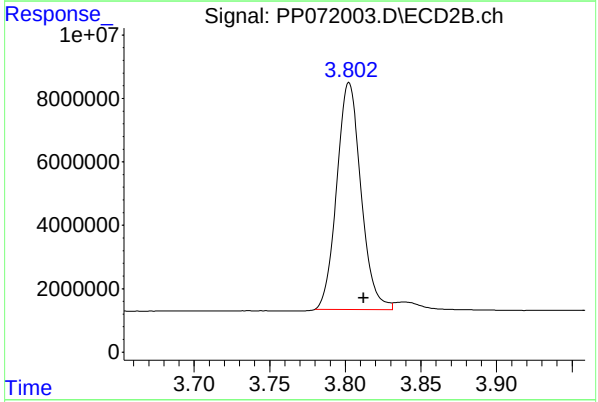
#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: -0.014 mi
Response: 100784573
Conc: 50.83 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

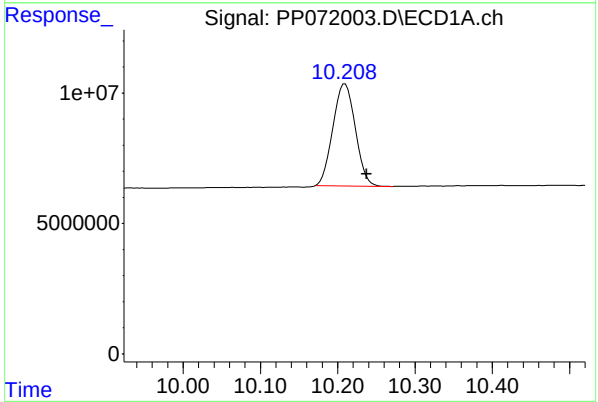
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



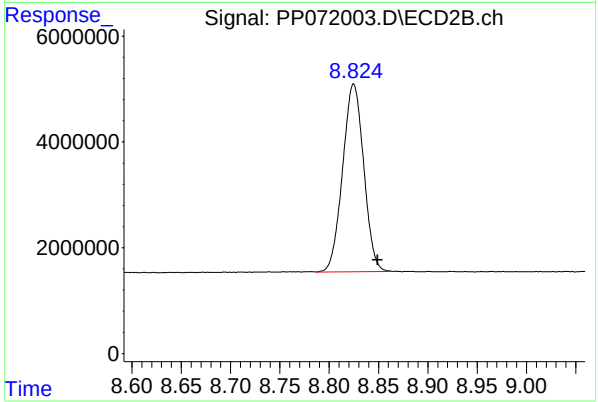
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.010 min
Response: 79855057
Conc: 56.69 ng/ml



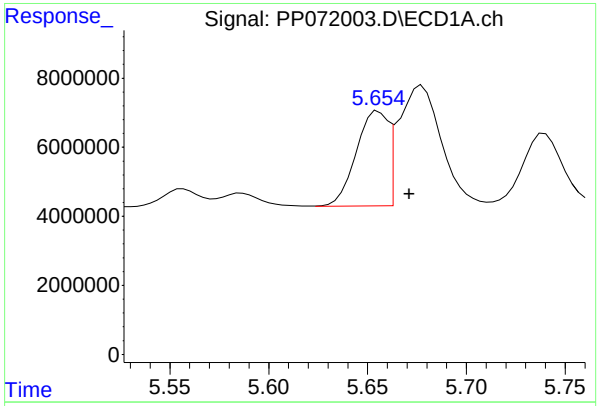
#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.028 min
Response: 78781894
Conc: 54.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: -0.025 min
Response: 52755072
Conc: 60.15 ng/ml m



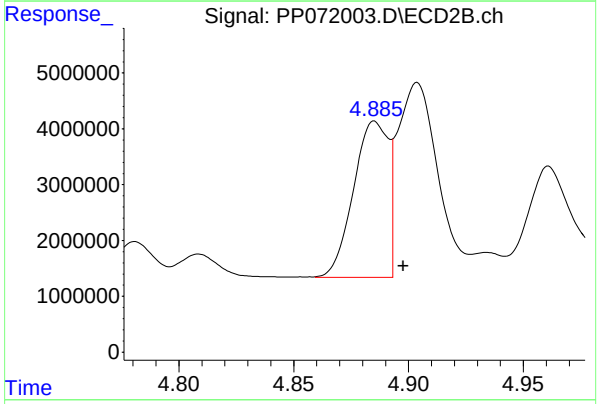
#3 AR-1016-1

R.T.: 5.654 min
Delta R.T.: -0.017 min
Response: 29205386
Conc: 435.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

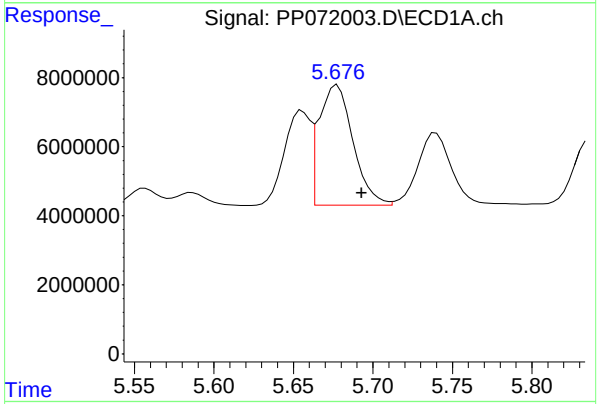
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



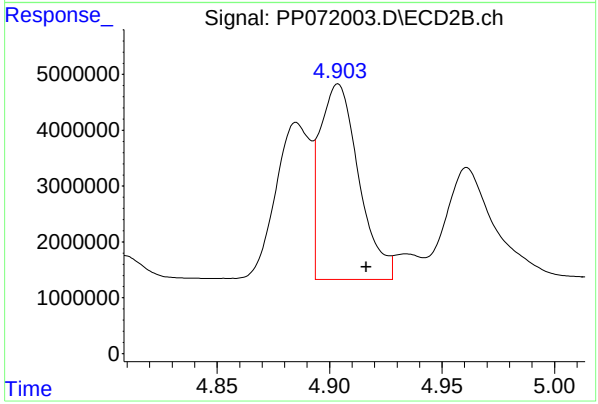
#3 AR-1016-1

R.T.: 4.885 min
Delta R.T.: -0.013 min
Response: 30295467
Conc: 565.92 ng/ml m



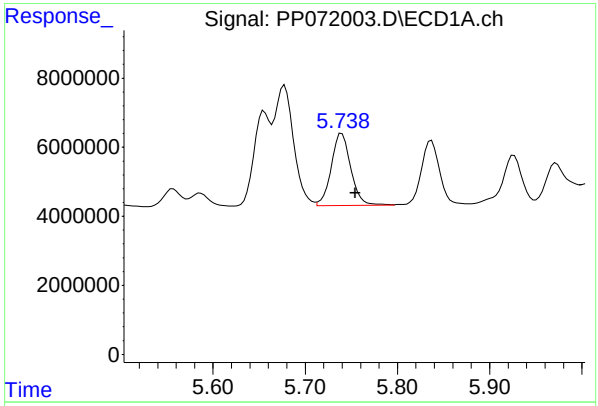
#4 AR-1016-2

R.T.: 5.676 min
Delta R.T.: -0.017 min
Response: 50241054
Conc: 489.54 ng/ml m



#4 AR-1016-2

R.T.: 4.903 min
Delta R.T.: -0.013 min
Response: 41694900
Conc: 546.00 ng/ml m



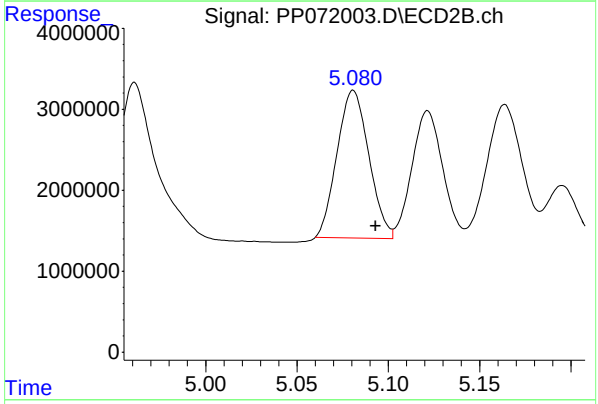
#5 AR-1016-3

R.T.: 5.740 min
Delta R.T.: -0.015 min
Response: 30713714
Conc: 498.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

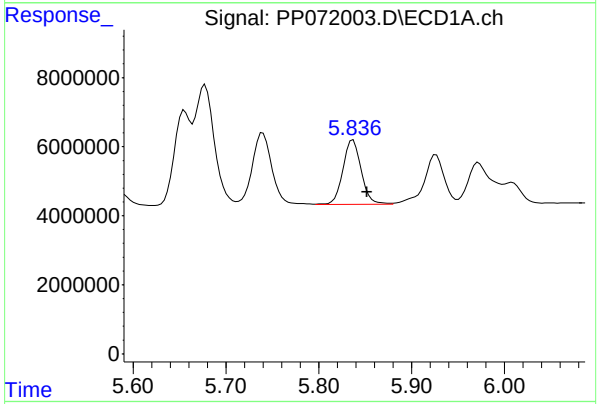
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



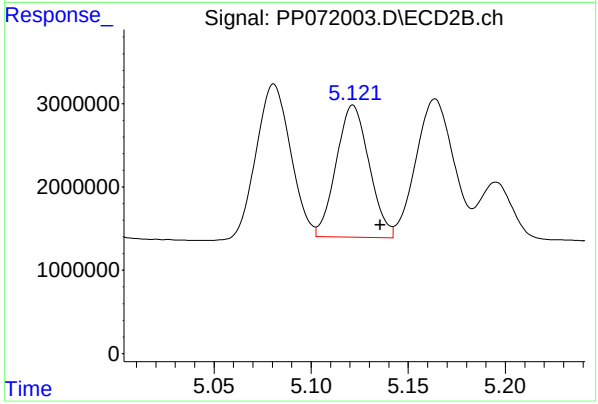
#5 AR-1016-3

R.T.: 5.081 min
Delta R.T.: -0.012 min
Response: 22139616
Conc: 524.51 ng/ml



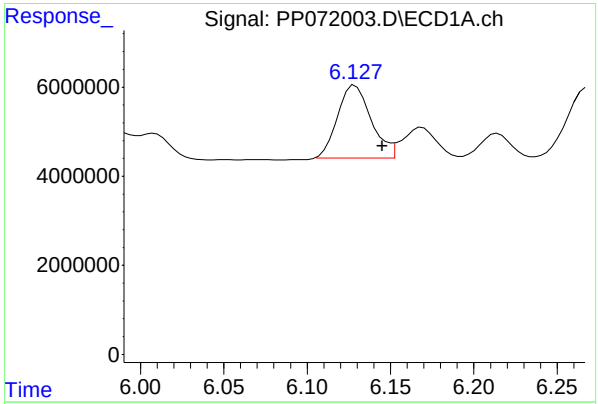
#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: -0.015 min
Response: 25539655
Conc: 497.87 ng/ml



#6 AR-1016-4

R.T.: 5.122 min
Delta R.T.: -0.014 min
Response: 18677907
Conc: 541.61 ng/ml



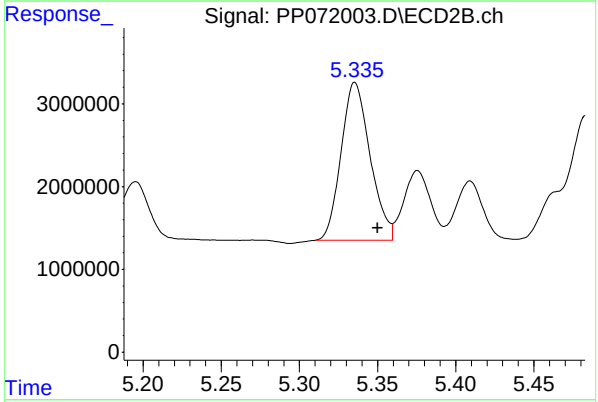
#7 AR-1016-5

R.T.: 6.129 min
Delta R.T.: -0.016 min
Response: 22830323
Conc: 473.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

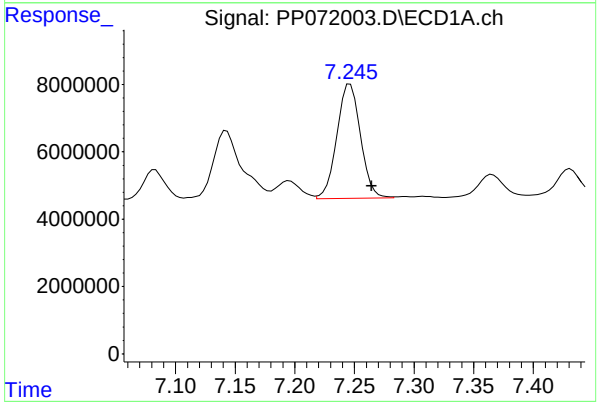
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



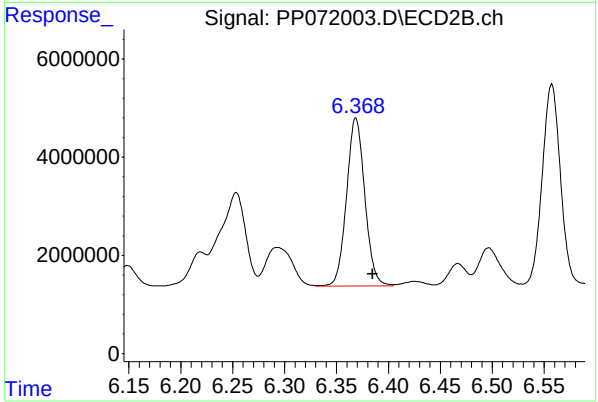
#7 AR-1016-5

R.T.: 5.335 min
Delta R.T.: -0.014 min
Response: 24665709
Conc: 554.94 ng/ml



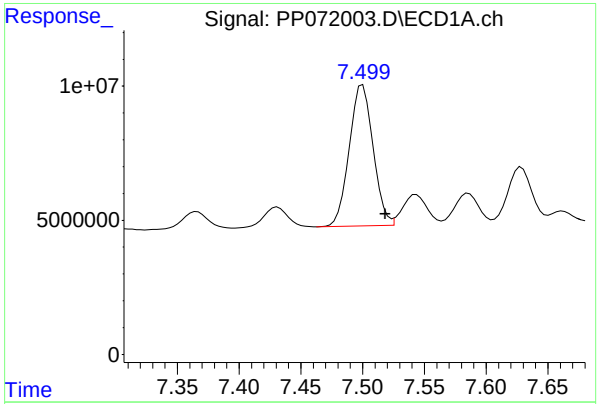
#31 AR-1260-1

R.T.: 7.246 min
Delta R.T.: -0.018 min
Response: 46814552
Conc: 487.53 ng/ml



#31 AR-1260-1

R.T.: 6.369 min
Delta R.T.: -0.016 min
Response: 42011324
Conc: 581.08 ng/ml



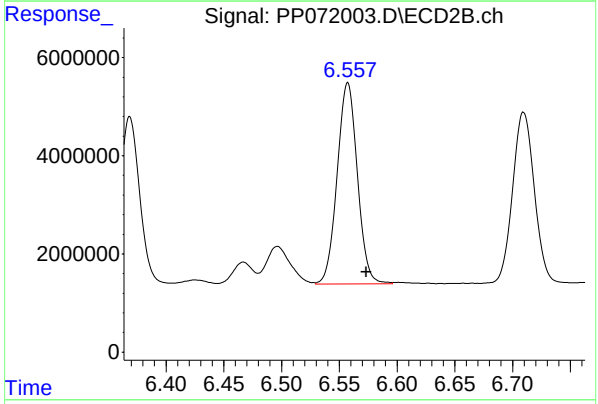
#32 AR-1260-2

R.T.: 7.500 min
Delta R.T.: -0.018 min
Response: 70680701
Conc: 494.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

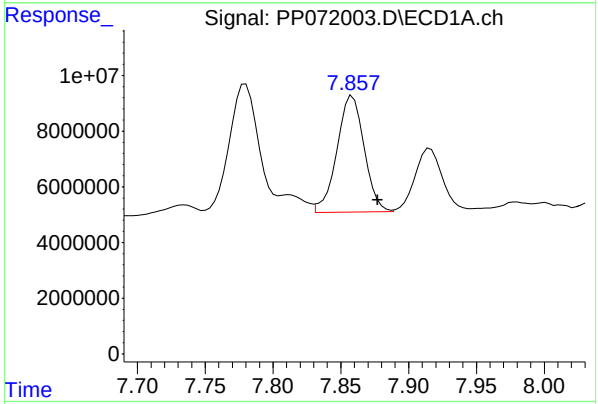
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



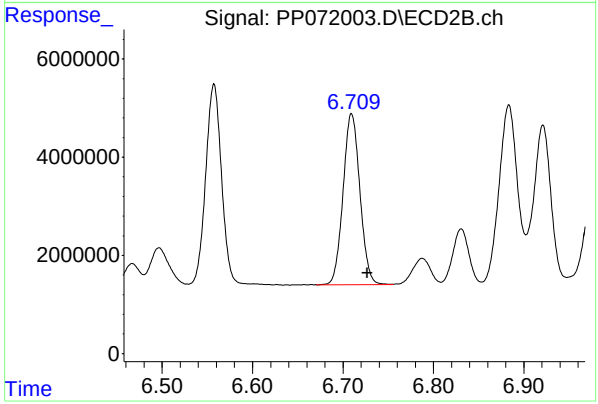
#32 AR-1260-2

R.T.: 6.557 min
Delta R.T.: -0.016 min
Response: 50131351
Conc: 573.18 ng/ml



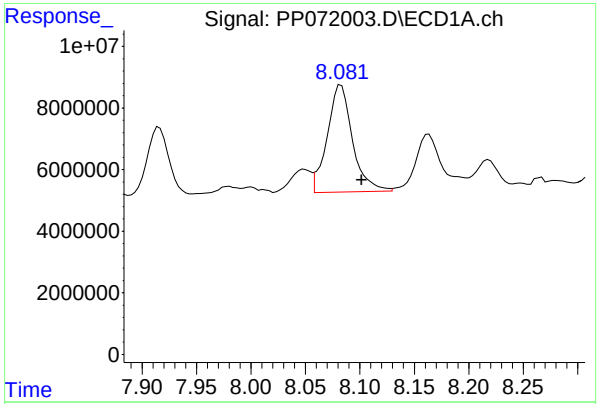
#33 AR-1260-3

R.T.: 7.859 min
Delta R.T.: -0.018 min
Response: 58452138
Conc: 521.41 ng/ml



#33 AR-1260-3

R.T.: 6.710 min
Delta R.T.: -0.017 min
Response: 45054009
Conc: 574.76 ng/ml



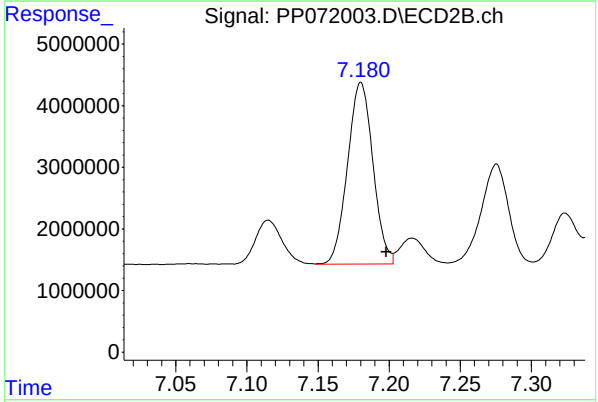
#34 AR-1260-4

R.T.: 8.083 min
Delta R.T.: -0.019 min
Response: 56102615
Conc: 497.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

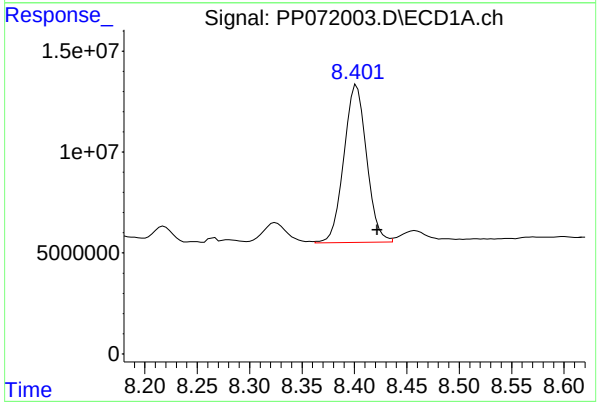
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



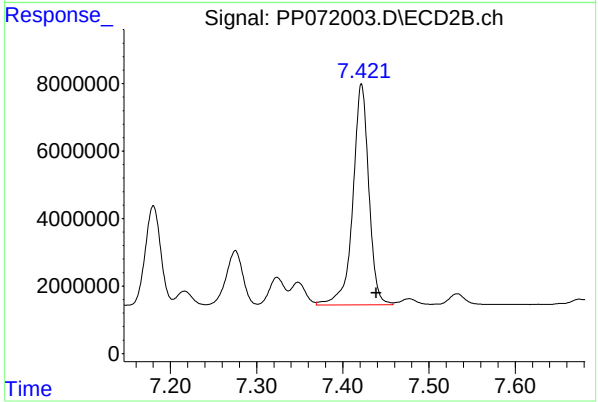
#34 AR-1260-4

R.T.: 7.180 min
Delta R.T.: -0.018 min
Response: 36654241
Conc: 580.79 ng/ml



#35 AR-1260-5

R.T.: 8.402 min
Delta R.T.: -0.020 min
Response: 118497441
Conc: 523.00 ng/ml



#35 AR-1260-5

R.T.: 7.422 min
Delta R.T.: -0.017 min
Response: 84476146
Conc: 560.27 ng/ml

Raw Data: **PP072018.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 16:35 **Initial Calibration Time(s):** 10:29 17:49

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)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.50	7.52	7.42	7.62	0.02
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.40	8.42	8.32	8.52	0.02
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.21	10.24	10.14	10.34	0.03

Raw Data: **PP072018.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 16:35 **Initial Calibration Time(s):** 10:29 17:49

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)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.83	8.85	8.75	8.95	0.03

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL08 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072018.D **Time Analyzed:** 16:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.571	5.771	518.150	500.000	3.6
Aroclor-1016-2	5.678	5.593	5.793	499.780	500.000	0.0
Aroclor-1016-3	5.742	5.654	5.854	495.300	500.000	-0.9
Aroclor-1016-4	5.839	5.752	5.952	494.370	500.000	-1.1
Aroclor-1016-5	6.131	6.045	6.245	481.030	500.000	-3.8
Aroclor-1260-1	7.249	7.165	7.365	482.940	500.000	-3.4
Aroclor-1260-2	7.503	7.418	7.618	488.250	500.000	-2.4
Aroclor-1260-3	7.861	7.777	7.977	513.420	500.000	2.7
Aroclor-1260-4	8.085	8.002	8.202	494.760	500.000	-1.0
Aroclor-1260-5	8.404	8.322	8.522	521.650	500.000	4.3
Decachlorobiphenyl	10.212	10.137	10.337	52.800	50.000	5.6
Tetrachloro-m-xylene	4.505	4.417	4.617	50.480	50.000	1.0

Raw Data: **PP072018.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL08 **Date Analyzed:** 05/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072018.D **Time Analyzed:** 16:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.885	4.798	4.998	536.020	500.000	7.2
Aroclor-1016-2	4.904	4.816	5.016	582.240	500.000	16.4
Aroclor-1016-3	5.081	4.993	5.193	526.540	500.000	5.3
Aroclor-1016-4	5.122	5.036	5.236	533.710	500.000	6.7
Aroclor-1016-5	5.337	5.250	5.450	561.140	500.000	12.2
Aroclor-1260-1	6.370	6.285	6.485	573.210	500.000	14.6
Aroclor-1260-2	6.558	6.473	6.673	564.270	500.000	12.9
Aroclor-1260-3	6.711	6.627	6.827	559.120	500.000	11.8
Aroclor-1260-4	7.181	7.098	7.298	568.790	500.000	13.8
Aroclor-1260-5	7.422	7.339	7.539	570.140	500.000	14.0
Decachlorobiphenyl	8.825	8.749	8.949	58.500	50.000	17.0
Tetrachloro-m-xylene	3.803	3.712	3.912	56.510	50.000	13.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:35
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:54:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.505	3.803	100.1E6	79605431	50.484	56.512
2)	SA Decachlor...	10.212	8.825	76461044	51303966	52.804	58.496m
	Target Compounds						
3)	L1 AR-1016-1	5.656	4.885	34741967	28694813	518.152m	536.015m
4)	L1 AR-1016-2	5.678	4.904	51291667	44462349	499.781m	582.244m
5)	L1 AR-1016-3	5.742	5.081	30533717	22225325	495.298	526.537
6)	L1 AR-1016-4	5.839	5.122	25360330	18405328	494.371	533.705
7)	L1 AR-1016-5	6.131	5.337	23204255	24941271	481.033	561.143
31)	L7 AR-1260-1	7.249	6.370	46373979	41442496	482.938	573.208
32)	L7 AR-1260-2	7.503	6.558	69858150	49351619	488.254	564.267
33)	L7 AR-1260-3	7.861	6.711	57556395	43828249	513.419	559.122
34)	L7 AR-1260-4	8.085	7.181	55841313	35896639	494.763	568.789
35)	L7 AR-1260-5	8.404	7.422	118.2E6	85964347	521.647	570.141

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:35
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

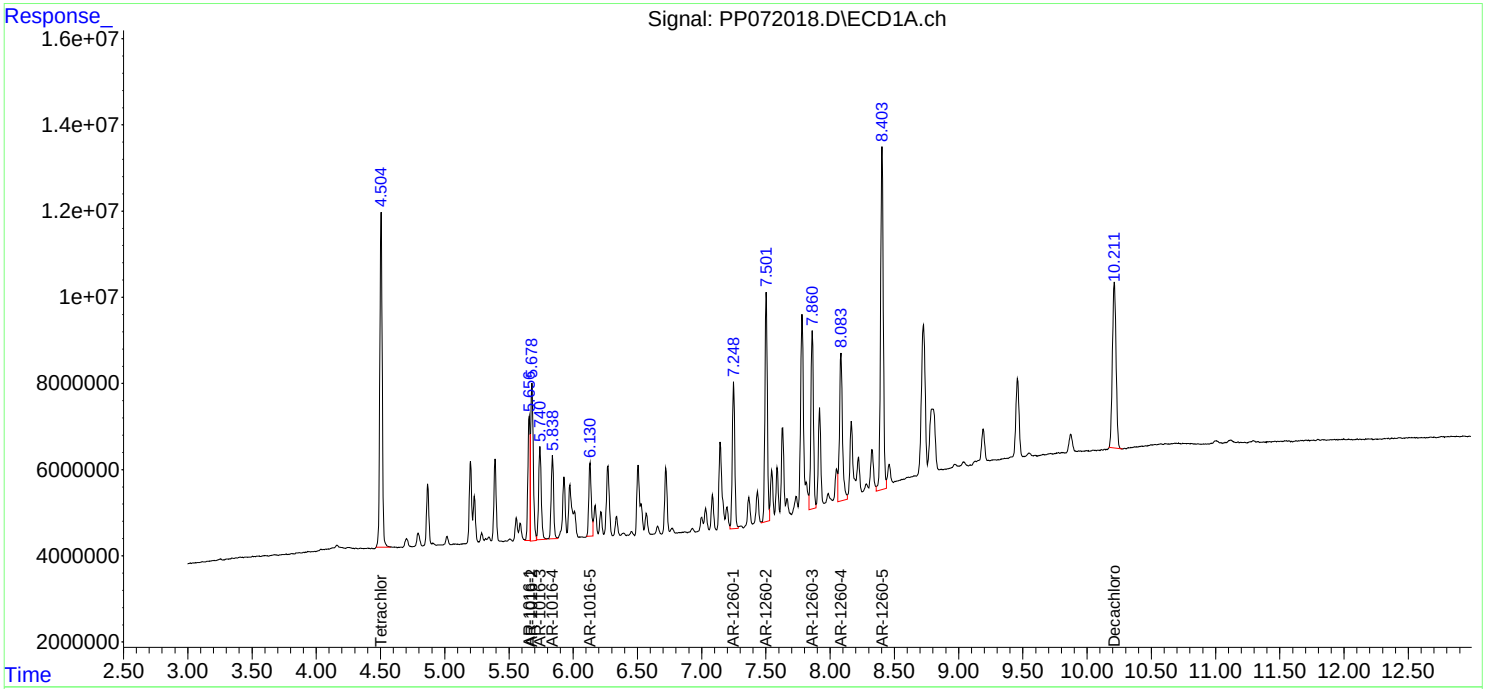
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

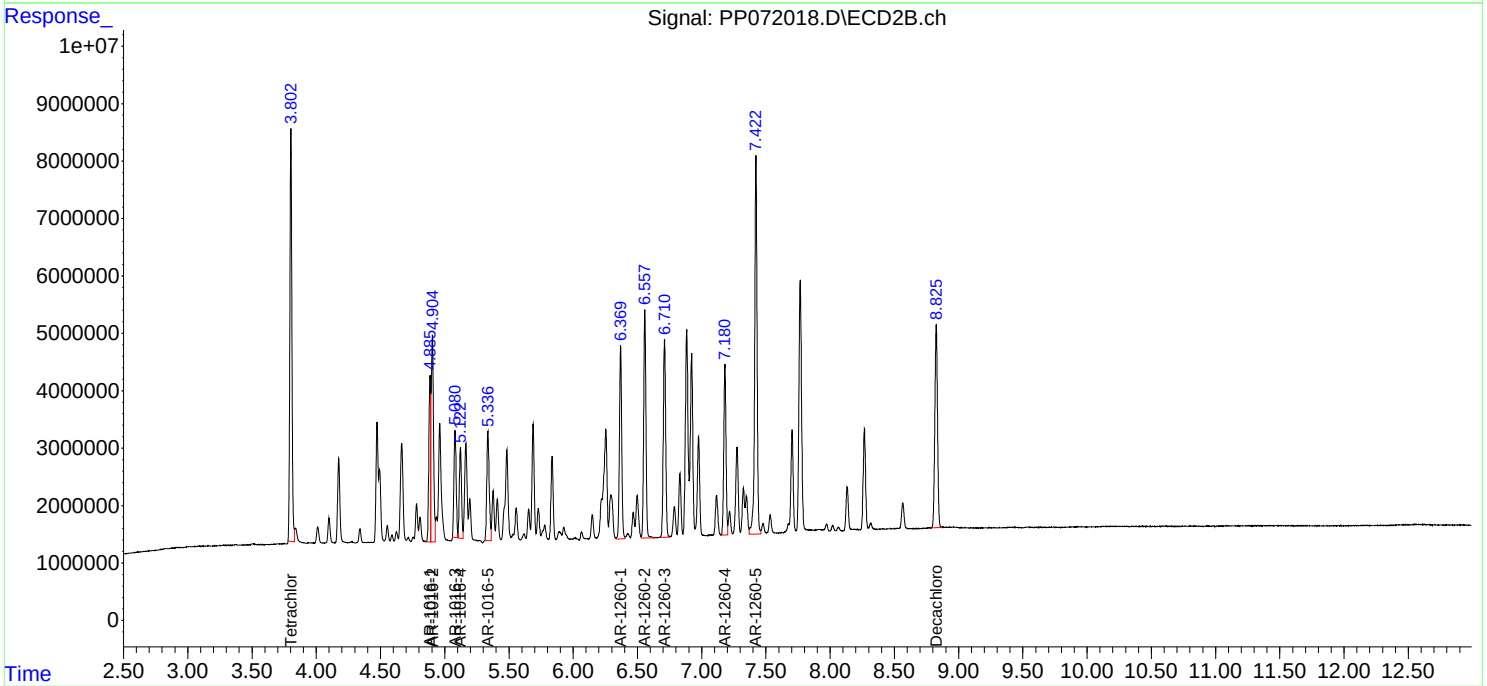
Manual Integrations APPROVED

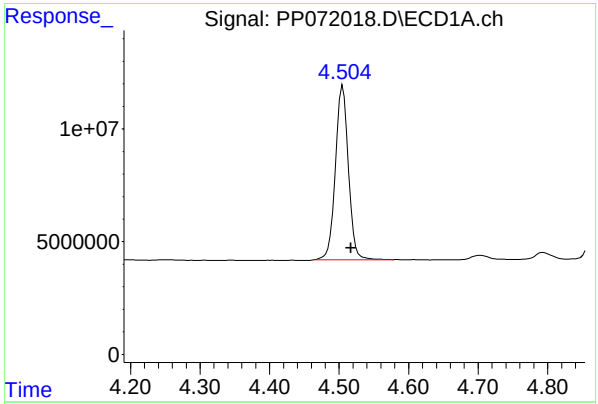
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:54:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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







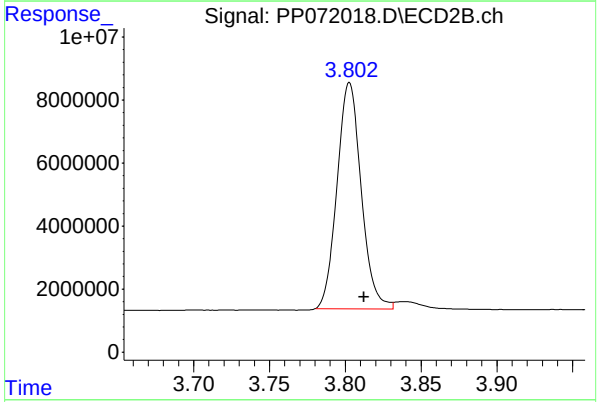
#1 Tetrachloro-m-xylene

R.T.: 4.505 min
Delta R.T.: -0.012 mi
Response: 100091027
Conc: 50.48 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

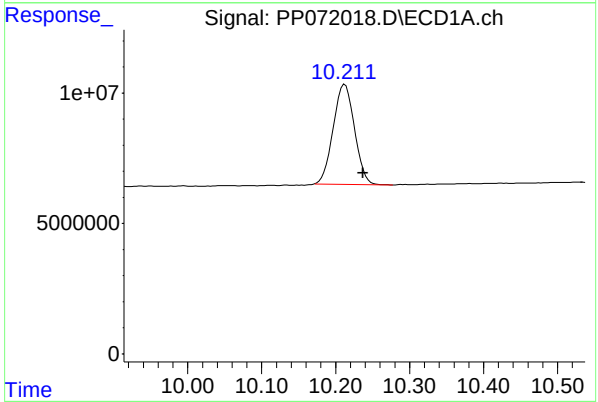
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



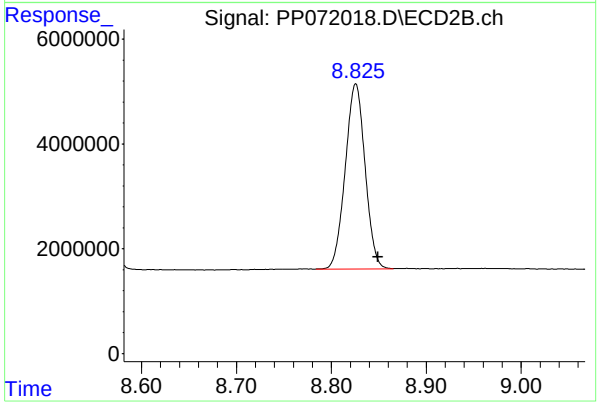
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.010 min
Response: 79605431
Conc: 56.51 ng/ml



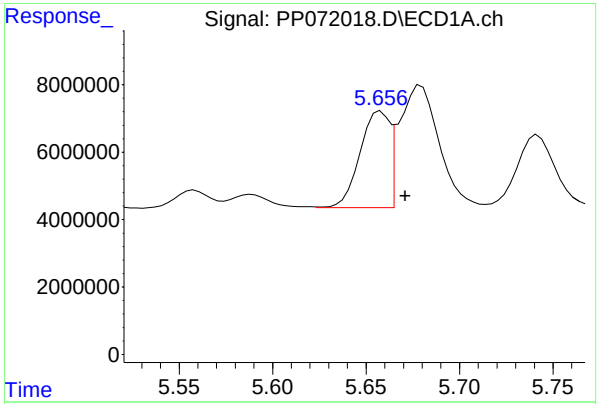
#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.025 min
Response: 76461044
Conc: 52.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 51303966
Conc: 58.50 ng/ml m



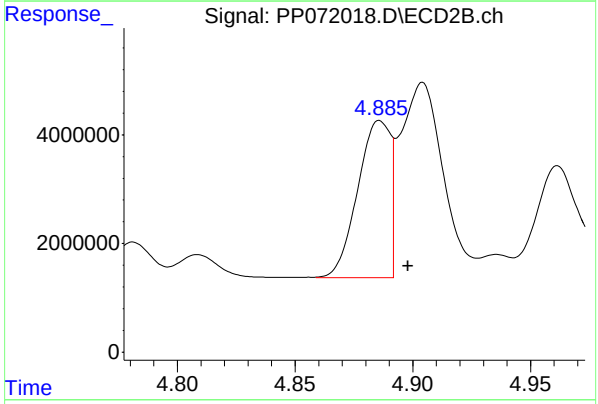
#3 AR-1016-1

R.T.: 5.656 min
Delta R.T.: -0.015 min
Response: 34741967
Conc: 518.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

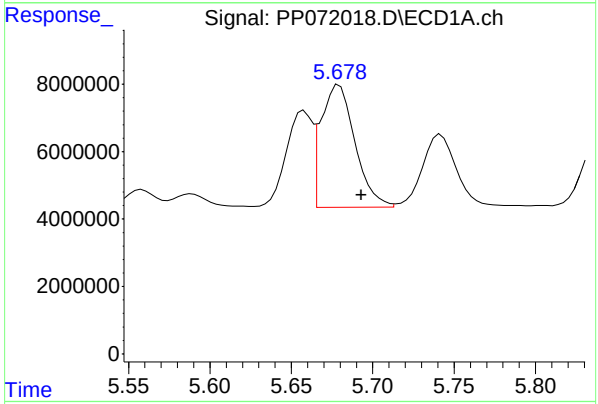
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



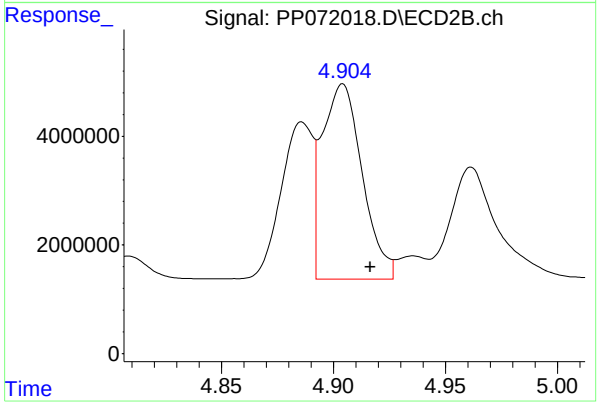
#3 AR-1016-1

R.T.: 4.885 min
Delta R.T.: -0.012 min
Response: 28694813
Conc: 536.02 ng/ml m



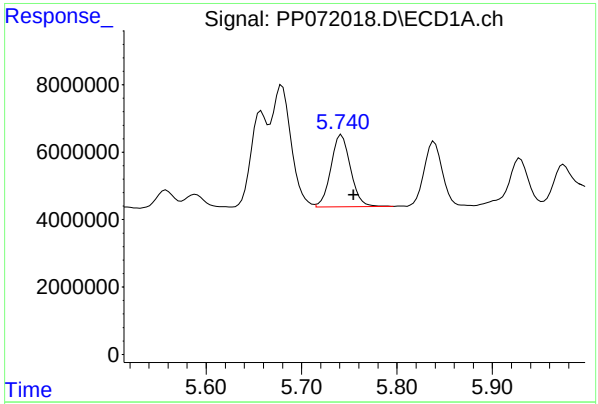
#4 AR-1016-2

R.T.: 5.678 min
Delta R.T.: -0.015 min
Response: 51291667
Conc: 499.78 ng/ml m



#4 AR-1016-2

R.T.: 4.904 min
Delta R.T.: -0.013 min
Response: 44462349
Conc: 582.24 ng/ml m



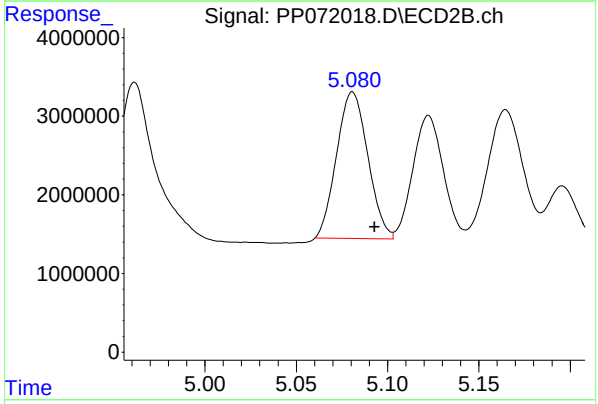
#5 AR-1016-3

R.T.: 5.742 min
Delta R.T.: -0.013 min
Response: 30533717
Conc: 495.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

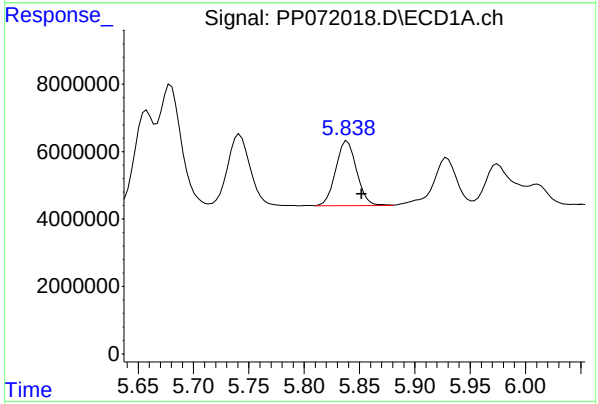
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



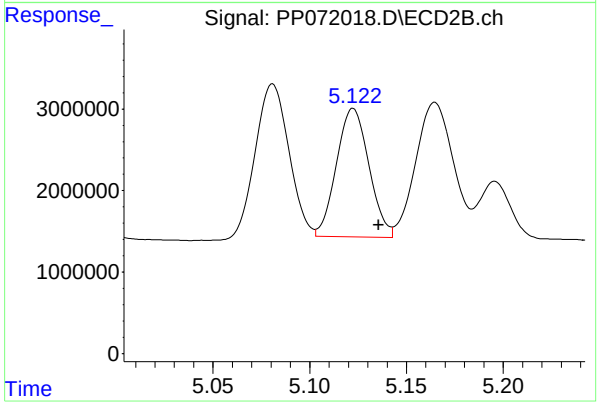
#5 AR-1016-3

R.T.: 5.081 min
Delta R.T.: -0.012 min
Response: 22225325
Conc: 526.54 ng/ml



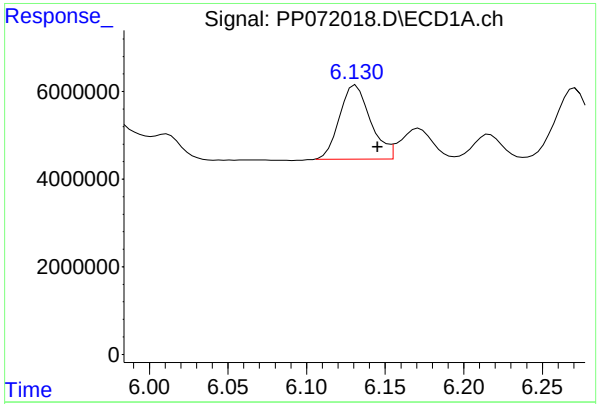
#6 AR-1016-4

R.T.: 5.839 min
Delta R.T.: -0.013 min
Response: 25360330
Conc: 494.37 ng/ml



#6 AR-1016-4

R.T.: 5.122 min
Delta R.T.: -0.013 min
Response: 18405328
Conc: 533.71 ng/ml



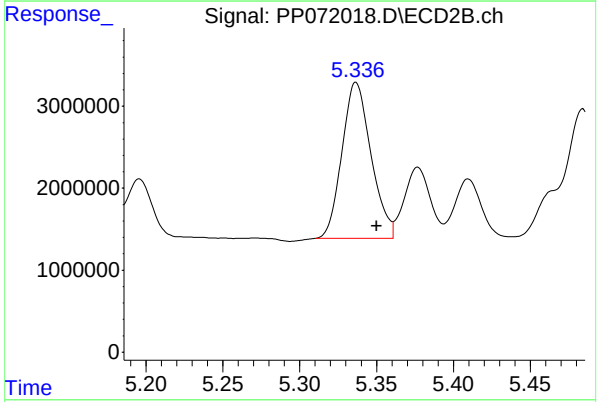
#7 AR-1016-5

R.T.: 6.131 min
Delta R.T.: -0.014 min
Response: 23204255
Conc: 481.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

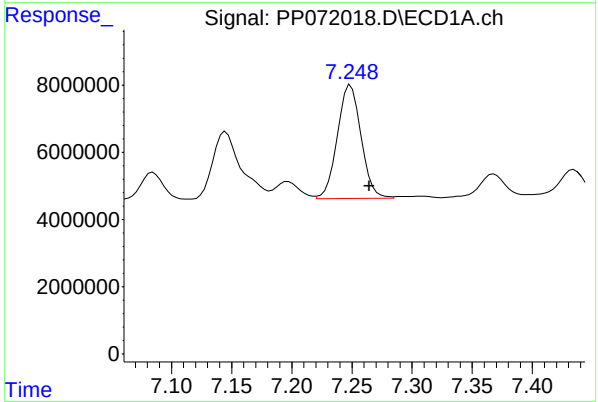
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



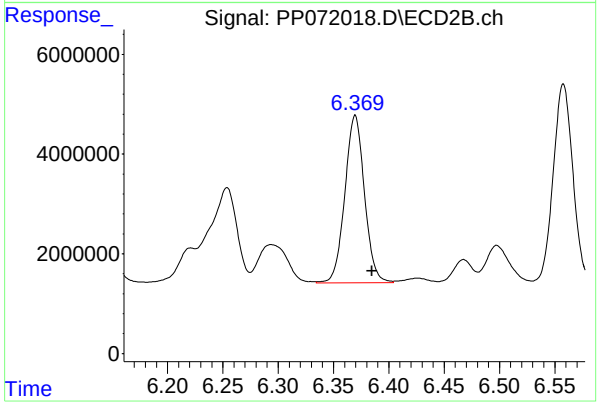
#7 AR-1016-5

R.T.: 5.337 min
Delta R.T.: -0.013 min
Response: 24941271
Conc: 561.14 ng/ml



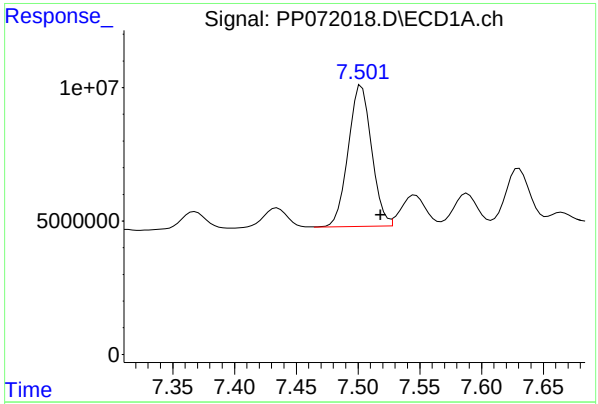
#31 AR-1260-1

R.T.: 7.249 min
Delta R.T.: -0.016 min
Response: 46373979
Conc: 482.94 ng/ml



#31 AR-1260-1

R.T.: 6.370 min
Delta R.T.: -0.015 min
Response: 41442496
Conc: 573.21 ng/ml



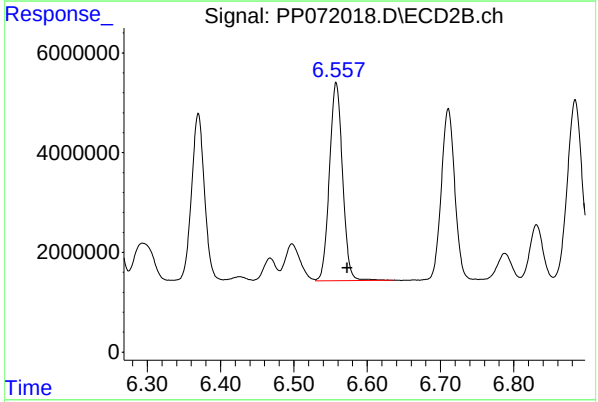
#32 AR-1260-2

R.T.: 7.503 min
Delta R.T.: -0.016 min
Response: 69858150
Conc: 488.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

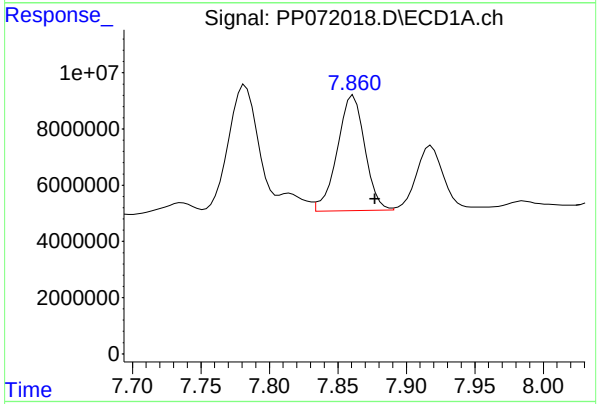
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



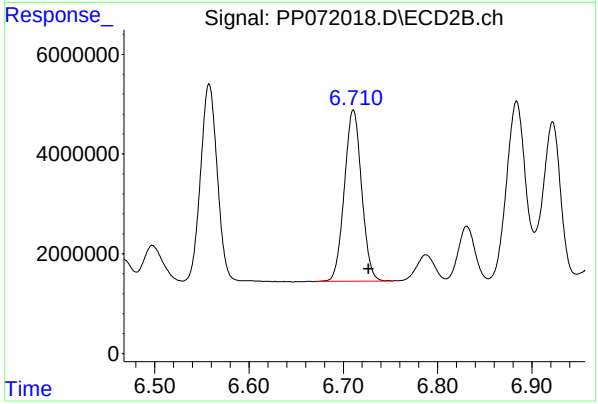
#32 AR-1260-2

R.T.: 6.558 min
Delta R.T.: -0.016 min
Response: 49351619
Conc: 564.27 ng/ml



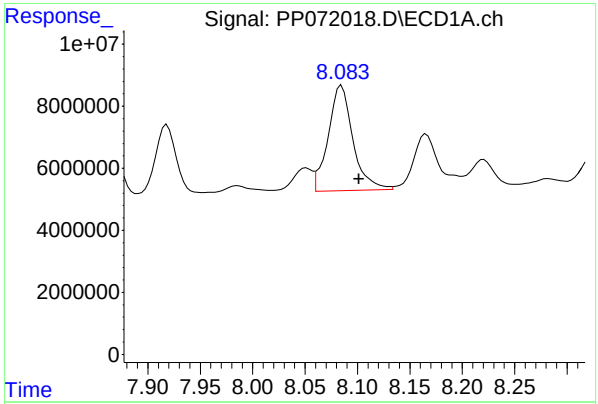
#33 AR-1260-3

R.T.: 7.861 min
Delta R.T.: -0.016 min
Response: 57556395
Conc: 513.42 ng/ml



#33 AR-1260-3

R.T.: 6.711 min
Delta R.T.: -0.016 min
Response: 43828249
Conc: 559.12 ng/ml



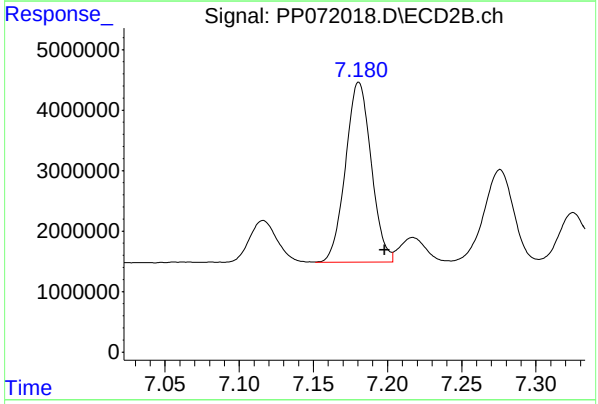
#34 AR-1260-4

R.T.: 8.085 min
Delta R.T.: -0.017 min
Response: 55841313
Conc: 494.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

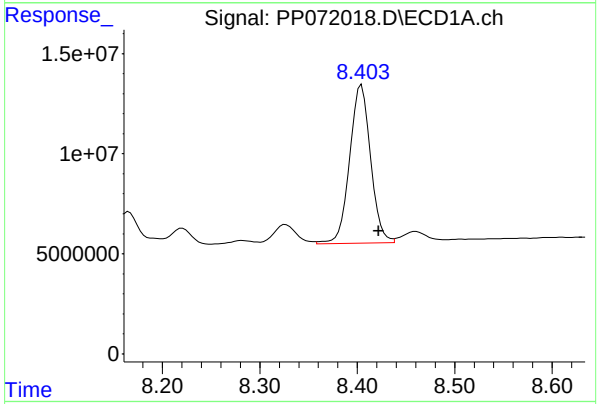
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



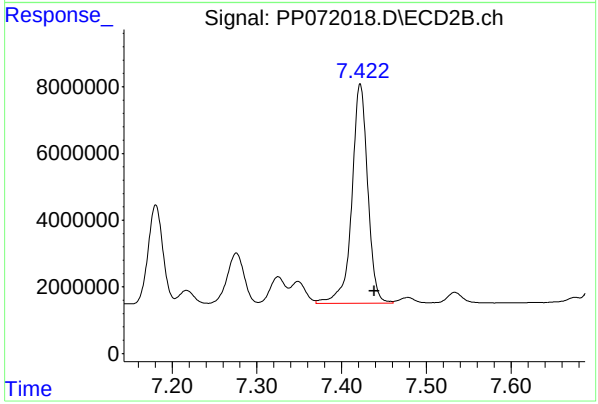
#34 AR-1260-4

R.T.: 7.181 min
Delta R.T.: -0.017 min
Response: 35896639
Conc: 568.79 ng/ml



#35 AR-1260-5

R.T.: 8.404 min
Delta R.T.: -0.017 min
Response: 118191243
Conc: 521.65 ng/ml



#35 AR-1260-5

R.T.: 7.422 min
Delta R.T.: -0.017 min
Response: 85964347
Conc: 570.14 ng/ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1984

Project: Raymark Superfund Site **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/02/2025 05/02/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/02/2025	09:27	PO110891.D	8.73	3.69
AR1660ICC1000	AR1660ICC1000	05/02/2025	09:45	PO110892.D	8.73	3.69
AR1660ICC750	AR1660ICC750	05/02/2025	10:04	PO110893.D	8.73	3.69
AR1660ICC500	AR1660ICC500	05/02/2025	10:21	PO110894.D	8.73	3.68
AR1660ICC250	AR1660ICC250	05/02/2025	10:39	PO110895.D	8.73	3.69
AR1660ICC050	AR1660ICC050	05/02/2025	10:58	PO110896.D	8.73	3.68
AR1221ICC500	AR1221ICC500	05/02/2025	11:16	PO110897.D	8.73	3.69
AR1232ICC500	AR1232ICC500	05/02/2025	11:34	PO110898.D	8.73	3.69
AR1242ICC1000	AR1242ICC1000	05/02/2025	11:53	PO110899.D	8.73	3.69
AR1242ICC750	AR1242ICC750	05/02/2025	12:11	PO110900.D	8.73	3.69
AR1242ICC500	AR1242ICC500	05/02/2025	12:29	PO110901.D	8.73	3.69
AR1242ICC250	AR1242ICC250	05/02/2025	12:48	PO110902.D	8.73	3.69
AR1242ICC050	AR1242ICC050	05/02/2025	13:06	PO110903.D	8.73	3.69
AR1248ICC1000	AR1248ICC1000	05/02/2025	13:25	PO110904.D	8.73	3.69
AR1248ICC750	AR1248ICC750	05/02/2025	13:43	PO110905.D	8.73	3.69
AR1248ICC500	AR1248ICC500	05/02/2025	14:00	PO110906.D	8.73	3.68
AR1248ICC250	AR1248ICC250	05/02/2025	14:35	PO110907.D	8.73	3.68
AR1248ICC050	AR1248ICC050	05/02/2025	14:53	PO110908.D	8.73	3.68
AR1254ICC1000	AR1254ICC1000	05/02/2025	15:12	PO110909.D	8.73	3.69
AR1254ICC750	AR1254ICC750	05/02/2025	15:30	PO110910.D	8.73	3.69
AR1254ICC500	AR1254ICC500	05/02/2025	15:48	PO110911.D	8.73	3.68
AR1254ICC250	AR1254ICC250	05/02/2025	16:07	PO110912.D	8.73	3.68
AR1254ICC050	AR1254ICC050	05/02/2025	16:25	PO110913.D	8.73	3.68
AR1262ICC500	AR1262ICC500	05/02/2025	17:01	PO110914.D	8.73	3.68
AR1268ICC1000	AR1268ICC1000	05/02/2025	17:19	PO110915.D	8.73	3.69
AR1268ICC750	AR1268ICC750	05/02/2025	17:38	PO110916.D	8.73	3.68
AR1268ICC500	AR1268ICC500	05/02/2025	17:55	PO110917.D	8.73	3.68
AR1268ICC250	AR1268ICC250	05/02/2025	18:12	PO110918.D	8.73	3.68
AR1268ICC050	AR1268ICC050	05/02/2025	18:29	PO110919.D	8.73	3.68
AR1660CCC500	AR1660CCC500	05/12/2025	09:07	PO111005.D	8.73	3.69
I.BLK	I.BLK	05/12/2025	10:20	PO111009.D	8.72	3.68
PB167949BL	PB167949BL	05/12/2025	13:05	PO111010.D	8.72	3.68
PB167949BS	PB167949BS	05/12/2025	13:23	PO111011.D	8.72	3.68
OU4-PCS-TC-33-050725	Q1984-01	05/12/2025	13:42	PO111012.D	8.72	3.68
OU4-PCS-TC-34-050725	Q1984-03	05/12/2025	14:00	PO111013.D	8.72	3.68
OU4-PCS-TC-35-050725	Q1984-05	05/12/2025	14:19	PO111014.D	8.72	3.68
OU4-TS-24-050725	Q1984-07	05/12/2025	14:37	PO111015.D	8.72	3.68
OU4-TS-26-050725	Q1984-11	05/12/2025	15:12	PO111017.D	8.72	3.68
OU4-TS-26-050725MS	Q1984-11MS	05/12/2025	15:31	PO111018.D	8.72	3.68
OU4-TS-26-050725MSD	Q1984-11MSD	05/12/2025	15:49	PO111019.D	8.72	3.68
AR1660CCC500	AR1660CCC500	05/12/2025	17:31	PO111020.D	8.72	3.69
I.BLK	I.BLK	05/12/2025	19:21	PO111024.D	8.72	3.68

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

AR1660CCC500	AR1660CCC500	05/13/2025	09:08	PO111026.D	8.73	3.69
I.BLK	I.BLK	05/13/2025	10:28	PO111030.D	8.72	3.68
OU4-TS-25-050725	Q1984-09	05/13/2025	10:46	PO111031.D	8.72	3.68
PB167972BL	PB167972BL	05/13/2025	13:24	PO111032.D	8.72	3.68
PB167972BS	PB167972BS	05/13/2025	13:42	PO111033.D	8.72	3.68
MH-IMS	Q2017-01MS	05/13/2025	15:14	PO111038.D	8.72	3.68
MH-IMSD	Q2017-01MSD	05/13/2025	15:32	PO111039.D	8.72	3.68
AR1660CCC500	AR1660CCC500	05/13/2025	17:33	PO111041.D	8.72	3.68
I.BLK	I.BLK	05/13/2025	19:23	PO111045.D	8.72	3.68
AR1660CCC500	AR1660CCC500	05/14/2025	09:14	PO111047.D	8.72	3.68
I.BLK	I.BLK	05/14/2025	10:31	PO111051.D	8.72	3.68
OU4-TS-28-050725	Q1984-15	05/14/2025	10:49	PO111052.D	8.72	3.68
AR1660CCC500	AR1660CCC500	05/14/2025	12:33	PO111054.D	8.72	3.68
I.BLK	I.BLK	05/14/2025	15:47	PO111055.D	8.72	3.68
I.BLK	I.BLK	04/22/2025	10:13	PP071388.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	10.23	4.51
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	10.23	4.51
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	10.24	4.52
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	10.23	4.51
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	10.24	4.52
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	10.23	4.51
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	10.23	4.51
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	10.24	4.52
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	10.24	4.51
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	10.23	4.51
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	10.24	4.52
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	10.24	4.52
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	10.24	4.52
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	10.24	4.51
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	10.24	4.51
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	10.24	4.51
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	10.24	4.52
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	10.24	4.52
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	10.24	4.52
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	10.23	4.51
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	10.24	4.51
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	10.24	4.52
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	10.24	4.51
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	10.23	4.52
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	10.24	4.52
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	10.24	4.52
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	10.24	4.51
AR1660CCC500	AR1660CCC500	05/13/2025	08:46	PP072003.D	10.21	4.50
I.BLK	I.BLK	05/13/2025	09:52	PP072007.D	10.21	4.50
OU4-TS-27-050725	Q1984-13	05/13/2025	10:08	PP072008.D	10.21	4.51
AR1660CCC500	AR1660CCC500	05/13/2025	16:35	PP072018.D	10.21	4.51
I.BLK	I.BLK	05/13/2025	18:13	PP072022.D	10.21	4.51

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1984

Project: Raymark Superfund Site **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/02/2025 05/02/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/02/2025	09:27	PO110891.D	8.68	3.68
AR1660ICC1000	AR1660ICC1000	05/02/2025	09:45	PO110892.D	8.68	3.68
AR1660ICC750	AR1660ICC750	05/02/2025	10:04	PO110893.D	8.68	3.68
AR1660ICC500	AR1660ICC500	05/02/2025	10:21	PO110894.D	8.68	3.68
AR1660ICC250	AR1660ICC250	05/02/2025	10:39	PO110895.D	8.68	3.68
AR1660ICC050	AR1660ICC050	05/02/2025	10:58	PO110896.D	8.68	3.68
AR1221ICC500	AR1221ICC500	05/02/2025	11:16	PO110897.D	8.68	3.68
AR1232ICC500	AR1232ICC500	05/02/2025	11:34	PO110898.D	8.68	3.68
AR1242ICC1000	AR1242ICC1000	05/02/2025	11:53	PO110899.D	8.68	3.68
AR1242ICC750	AR1242ICC750	05/02/2025	12:11	PO110900.D	8.68	3.68
AR1242ICC500	AR1242ICC500	05/02/2025	12:29	PO110901.D	8.68	3.68
AR1242ICC250	AR1242ICC250	05/02/2025	12:48	PO110902.D	8.68	3.68
AR1242ICC050	AR1242ICC050	05/02/2025	13:06	PO110903.D	8.68	3.68
AR1248ICC1000	AR1248ICC1000	05/02/2025	13:25	PO110904.D	8.68	3.68
AR1248ICC750	AR1248ICC750	05/02/2025	13:43	PO110905.D	8.68	3.68
AR1248ICC500	AR1248ICC500	05/02/2025	14:00	PO110906.D	8.68	3.68
AR1248ICC250	AR1248ICC250	05/02/2025	14:35	PO110907.D	8.68	3.68
AR1248ICC050	AR1248ICC050	05/02/2025	14:53	PO110908.D	8.68	3.68
AR1254ICC1000	AR1254ICC1000	05/02/2025	15:12	PO110909.D	8.68	3.68
AR1254ICC750	AR1254ICC750	05/02/2025	15:30	PO110910.D	8.68	3.68
AR1254ICC500	AR1254ICC500	05/02/2025	15:48	PO110911.D	8.68	3.68
AR1254ICC250	AR1254ICC250	05/02/2025	16:07	PO110912.D	8.68	3.68
AR1254ICC050	AR1254ICC050	05/02/2025	16:25	PO110913.D	8.68	3.68
AR1262ICC500	AR1262ICC500	05/02/2025	17:01	PO110914.D	8.68	3.68
AR1268ICC1000	AR1268ICC1000	05/02/2025	17:19	PO110915.D	8.68	3.68
AR1268ICC750	AR1268ICC750	05/02/2025	17:38	PO110916.D	8.68	3.68
AR1268ICC500	AR1268ICC500	05/02/2025	17:55	PO110917.D	8.68	3.68
AR1268ICC250	AR1268ICC250	05/02/2025	18:12	PO110918.D	8.68	3.68
AR1268ICC050	AR1268ICC050	05/02/2025	18:29	PO110919.D	8.68	3.68
AR1660CCC500	AR1660CCC500	05/12/2025	09:07	PO111005.D	8.68	3.68
I.BLK	I.BLK	05/12/2025	10:20	PO111009.D	8.67	3.68
PB167949BL	PB167949BL	05/12/2025	13:05	PO111010.D	8.67	3.68
PB167949BS	PB167949BS	05/12/2025	13:23	PO111011.D	8.67	3.68
OU4-PCS-TC-33-050725	Q1984-01	05/12/2025	13:42	PO111012.D	8.67	3.68
OU4-PCS-TC-34-050725	Q1984-03	05/12/2025	14:00	PO111013.D	8.67	3.68
OU4-PCS-TC-35-050725	Q1984-05	05/12/2025	14:19	PO111014.D	8.67	3.68
OU4-TS-24-050725	Q1984-07	05/12/2025	14:37	PO111015.D	8.67	3.68
OU4-TS-26-050725	Q1984-11	05/12/2025	15:12	PO111017.D	8.67	3.68
OU4-TS-26-050725MS	Q1984-11MS	05/12/2025	15:31	PO111018.D	8.67	3.68
OU4-TS-26-050725MSD	Q1984-11MSD	05/12/2025	15:49	PO111019.D	8.67	3.68
AR1660CCC500	AR1660CCC500	05/12/2025	17:31	PO111020.D	8.67	3.68
I.BLK	I.BLK	05/12/2025	19:21	PO111024.D	8.67	3.68

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Analytical Sequence

AR1660CCC500	AR1660CCC500	05/13/2025	09:08	PO111026.D	8.67	3.68
I.BLK	I.BLK	05/13/2025	10:28	PO111030.D	8.67	3.68
OU4-TS-25-050725	Q1984-09	05/13/2025	10:46	PO111031.D	8.67	3.68
PB167972BL	PB167972BL	05/13/2025	13:24	PO111032.D	8.67	3.68
PB167972BS	PB167972BS	05/13/2025	13:42	PO111033.D	8.67	3.68
MH-IMS	Q2017-01MS	05/13/2025	15:14	PO111038.D	8.67	3.68
MH-IMSD	Q2017-01MSD	05/13/2025	15:32	PO111039.D	8.67	3.68
AR1660CCC500	AR1660CCC500	05/13/2025	17:33	PO111041.D	8.67	3.68
I.BLK	I.BLK	05/13/2025	19:23	PO111045.D	8.67	3.68
AR1660CCC500	AR1660CCC500	05/14/2025	09:14	PO111047.D	8.67	3.68
I.BLK	I.BLK	05/14/2025	10:31	PO111051.D	8.67	3.68
OU4-TS-28-050725	Q1984-15	05/14/2025	10:49	PO111052.D	8.67	3.68
AR1660CCC500	AR1660CCC500	05/14/2025	12:33	PO111054.D	8.67	3.68
I.BLK	I.BLK	05/14/2025	15:47	PO111055.D	8.67	3.68
I.BLK	I.BLK	04/22/2025	10:13	PP071388.D	8.85	3.81
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	8.85	3.81
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	8.85	3.81
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	8.85	3.81
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	8.85	3.81
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	8.85	3.81
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	8.85	3.81
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	8.85	3.81
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	8.85	3.81
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	8.85	3.81
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	8.85	3.81
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	8.85	3.81
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	8.85	3.81
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	8.85	3.81
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	8.85	3.81
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	8.85	3.81
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	8.85	3.81
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	8.85	3.81
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	8.85	3.81
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	8.85	3.81
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	8.85	3.81
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	8.85	3.81
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	8.85	3.81
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	8.85	3.81
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	8.85	3.81
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	8.85	3.81
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	8.85	3.81
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	8.85	3.81
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	8.85	3.81
AR1660CCC500	AR1660CCC500	05/13/2025	08:46	PP072003.D	8.82	3.80
I.BLK	I.BLK	05/13/2025	09:52	PP072007.D	8.83	3.80
OU4-TS-27-050725	Q1984-13	05/13/2025	10:08	PP072008.D	8.83	3.80
AR1660CCC500	AR1660CCC500	05/13/2025	16:35	PP072018.D	8.83	3.80
I.BLK	I.BLK	05/13/2025	18:13	PP072022.D	8.83	3.80

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167949BS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab Sample ID: PB167949BS Date(s) Analyzed: 05/12/2025 05/12/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO111011.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.773	4.723	4.823	166		
	2	4.792	4.742	4.842	168		
	3	4.848	4.798	4.898	156		
COLUMN 1	4	4.968	4.918	5.018	171		
	5	5.225	5.175	5.275	159	164	
	1	4.758	4.708	4.808	192		
	2	4.776	4.726	4.826	194		
	3	4.952	4.902	5.002	193		
	4	4.994	4.944	5.044	191		
COLUMN 2	5	5.207	5.157	5.257	185	191	15.21
Aroclor-1260	1	6.264	6.214	6.314	161		
	2	6.454	6.404	6.504	162		
	3	6.821	6.771	6.871	146		
COLUMN 1	4	7.08	7.03	7.13	146		
	5	7.323	7.273	7.373	148	153	
	1	6.237	6.187	6.287	194		
	2	6.425	6.375	6.475	192		
	3	6.577	6.527	6.627	195		
	4	7.047	6.997	7.097	163		
COLUMN 2	5	7.288	7.238	7.338	163	181	16.77

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
OU4-TS-26-050725MS

Contract: NOBI03
Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984
Lab Sample ID: Q1984-11MS Date(s) Analyzed: 05/12/2025 05/12/2025
Instrument ID (1): ECD_O Instrument ID (2): ECD_O
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PO111018.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.773	4.723	4.823	201		
	2	4.793	4.743	4.843	210		
	3	4.849	4.799	4.899	206		
COLUMN 1	4	4.969	4.919	5.019	219		
	5	5.227	5.177	5.277	202	208	
	1	4.759	4.709	4.809	241		
	2	4.778	4.728	4.828	245		
	3	4.953	4.903	5.003	249		
	4	4.995	4.945	5.045	245		
COLUMN 2	5	5.207	5.157	5.257	234	243	15.52
Aroclor-1260	1	6.266	6.216	6.316	173		
	2	6.455	6.405	6.505	158		
	3	6.822	6.772	6.872	138		
COLUMN 1	4	7.082	7.032	7.132	137		
	5	7.325	7.275	7.375	134	148	
	1	6.238	6.188	6.288	209		
	2	6.426	6.376	6.476	196		
	3	6.578	6.528	6.628	203		
	4	7.049	6.999	7.099	161		
COLUMN 2	5	7.29	7.24	7.34	155	185	22.22

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
OU4-TS-26-050725MSD

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab Sample ID: Q1984-11MSD Date(s) Analyzed: 05/12/2025 05/12/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO111019.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.772	4.722	4.822	235		
	2	4.792	4.742	4.842	244		
	3	4.849	4.799	4.899	239		
COLUMN 1	4	4.969	4.919	5.019	251		
	5	5.226	5.176	5.276	228	239	
	1	4.758	4.708	4.808	275		
	2	4.777	4.727	4.827	278		
	3	4.953	4.903	5.003	279		
	4	4.995	4.945	5.045	279		
COLUMN 2	5	5.207	5.157	5.257	264	275	14.01
Aroclor-1260	1	6.265	6.215	6.315	216		
	2	6.454	6.404	6.504	203		
	3	6.821	6.771	6.871	182		
COLUMN 1	4	7.08	7.03	7.13	178		
	5	7.323	7.273	7.373	179	192	
	1	6.238	6.188	6.288	260		
	2	6.425	6.375	6.475	249		
	3	6.578	6.528	6.628	255		
	4	7.049	6.999	7.099	206		
COLUMN 2	5	7.289	7.239	7.339	205	235	20.14

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167972BS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab Sample ID: PB167972BS Date(s) Analyzed: 05/13/2025 05/13/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO111033.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.773	4.723	4.823	148		
	2	4.791	4.741	4.841	153		
	3	4.848	4.798	4.898	141		
COLUMN 1	4	4.969	4.919	5.019	153		
	5	5.226	5.176	5.276	143	148	
	1	4.758	4.708	4.808	172		
	2	4.777	4.727	4.827	172		
	3	4.952	4.902	5.002	171		
	4	4.994	4.944	5.044	170		
COLUMN 2	5	5.207	5.157	5.257	164	170	13.84
Aroclor-1260	1	6.265	6.215	6.315	145		
	2	6.455	6.405	6.505	144		
	3	6.821	6.771	6.871	129		
COLUMN 1	4	7.081	7.031	7.131	130		
	5	7.323	7.273	7.373	131	136	
	1	6.237	6.187	6.287	171		
	2	6.425	6.375	6.475	171		
	3	6.577	6.527	6.627	173		
	4	7.048	6.998	7.098	145		
COLUMN 2	5	7.289	7.239	7.339	145	161	16.84

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-IMS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab Sample ID: Q2017-01MS Date(s) Analyzed: 05/13/2025 05/13/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO111038.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.773	4.723	4.823	198		
	2	4.791	4.741	4.841	204		
	3	4.848	4.798	4.898	189		
COLUMN 1	4	4.968	4.918	5.018	206		
	5	5.225	5.175	5.275	192	198	
	1	4.758	4.708	4.808	232		
	2	4.777	4.727	4.827	235		
	3	4.952	4.902	5.002	234		
	4	4.994	4.944	5.044	229		
COLUMN 2	5	5.206	5.156	5.256	224	231	15.38
Aroclor-1260	1	6.265	6.215	6.315	181		
	2	6.454	6.404	6.504	177		
	3	6.821	6.771	6.871	159		
COLUMN 1	4	7.08	7.03	7.13	162		
	5	7.323	7.273	7.373	161	168	
	1	6.237	6.187	6.287	220		
	2	6.425	6.375	6.475	214		
	3	6.577	6.527	6.627	220		
	4	7.048	6.998	7.098	181		
COLUMN 2	5	7.289	7.239	7.339	178	203	18.87

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-IMSD

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Lab Sample ID: Q2017-01MSD Date(s) Analyzed: 05/13/2025 05/13/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO111039.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.773	4.723	4.823	191		
	2	4.792	4.742	4.842	192		
	3	4.849	4.799	4.899	181		
COLUMN 1	4	4.969	4.919	5.019	196		
	5	5.226	5.176	5.276	185	189	
	1	4.759	4.709	4.809	222		
	2	4.777	4.727	4.827	222		
	3	4.952	4.902	5.002	222		
	4	4.994	4.944	5.044	217		
COLUMN 2	5	5.207	5.157	5.257	213	219	14.71
Aroclor-1260	1	6.265	6.215	6.315	173		
	2	6.455	6.405	6.505	169		
	3	6.822	6.772	6.872	153		
COLUMN 1	4	7.081	7.031	7.131	155		
	5	7.323	7.273	7.373	154	161	
	1	6.238	6.188	6.288	209		
	2	6.425	6.375	6.475	204		
	3	6.577	6.527	6.627	210		
	4	7.048	6.998	7.098	173		
COLUMN 2	5	7.289	7.239	7.339	171	194	18.59

QC SAMPLE DATA

Raw Data: **PO111010.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:	PB167949BL		SDG No.:	Q1984	
Lab Sample ID:	PB167949BL		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
PO111010.D	1	05/12/25 09:05	05/12/25 13:05	PB167949

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	22.3		44 - 130		111%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.3		60 - 125		112%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:05
Operator : YP/AJ
Sample : PB167949BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167949BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:51:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.680	126.7E6	107.9E6	22.156	22.288
2)	SA Decachlor...	8.722	8.672	109.7E6	37652403	17.976	22.316
	Target Compounds						

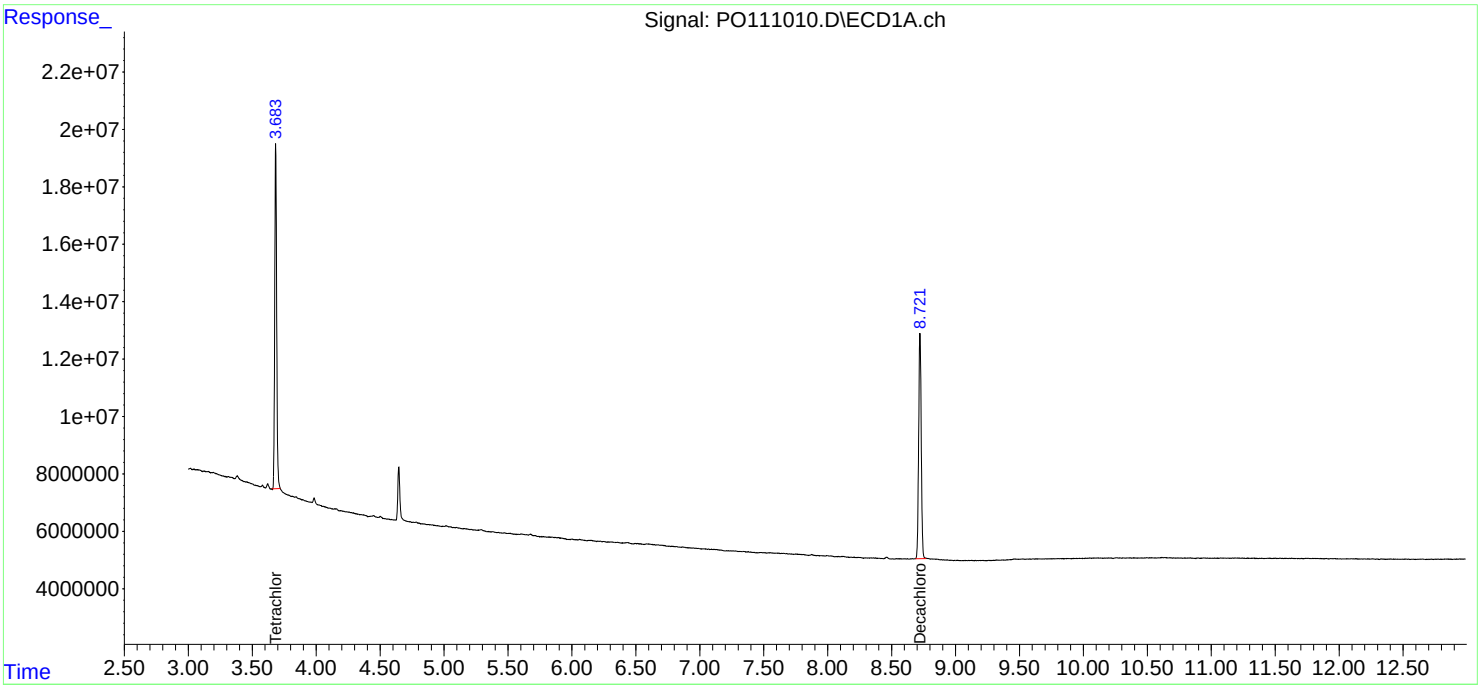
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

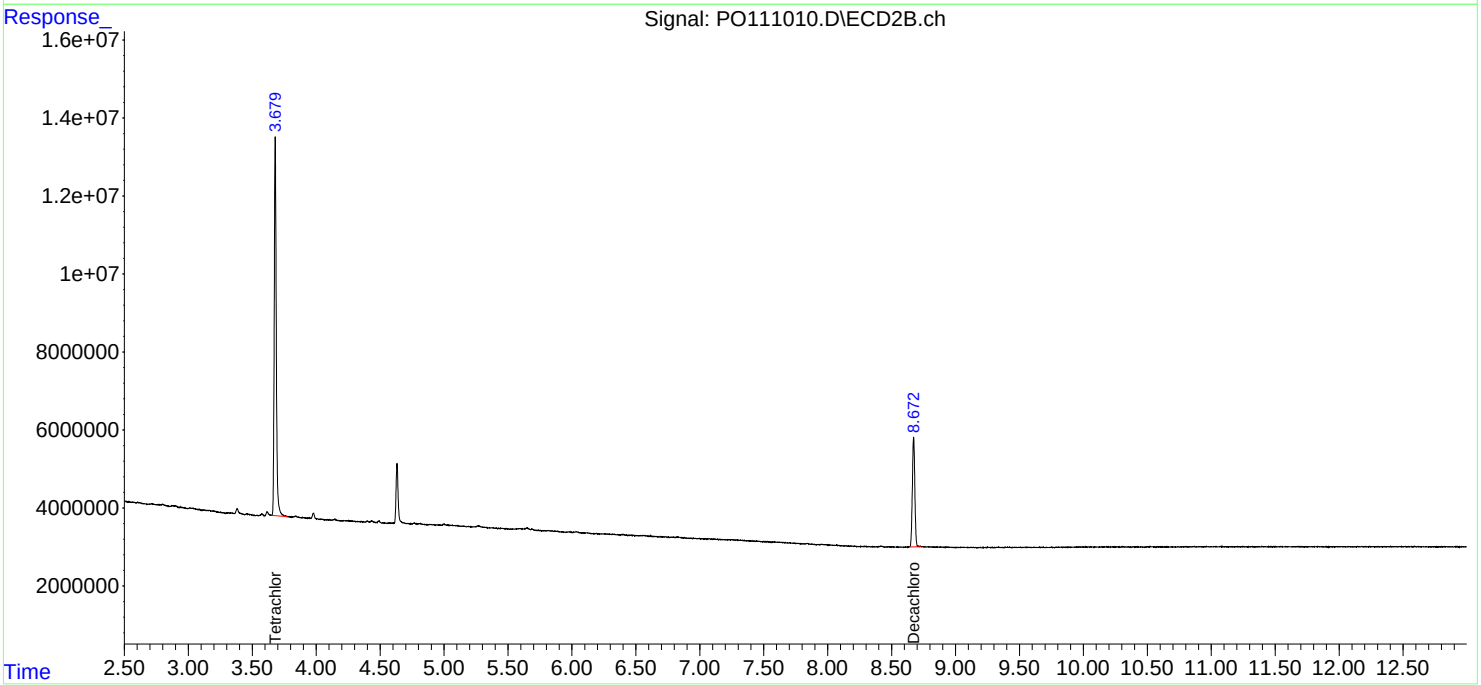
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:05
Operator : YP/AJ
Sample : PB167949BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

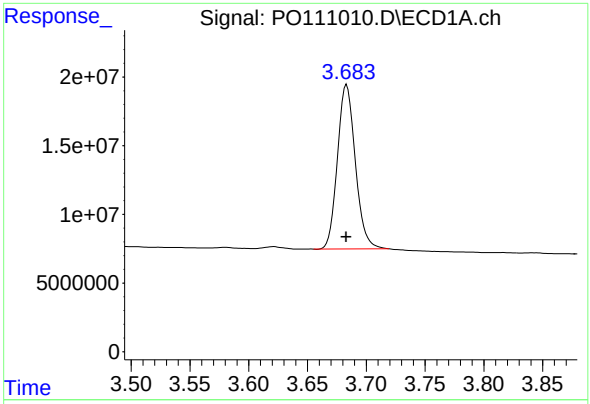
Instrument :
ECD_O
ClientSampleId :
PB167949BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:51:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



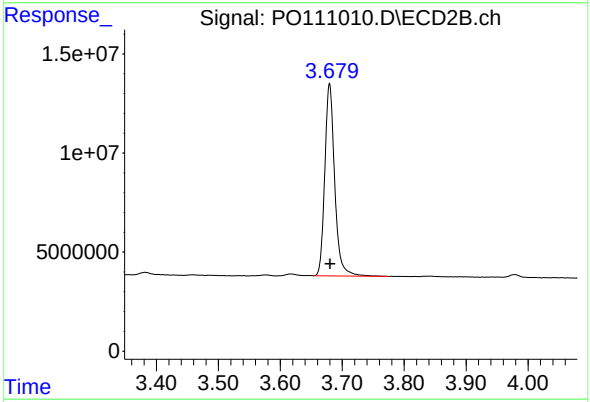




#1 Tetrachloro-m-xylene

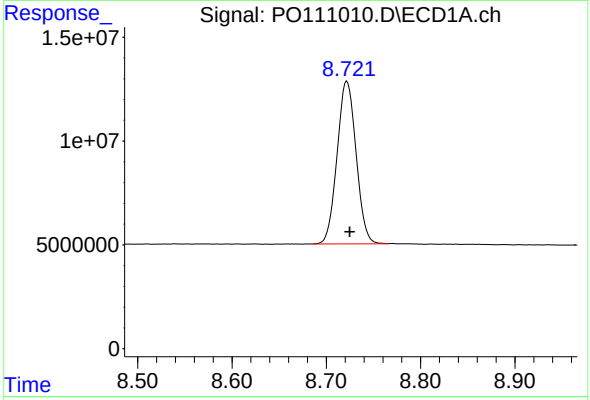
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 126749330
Conc: 22.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167949BL



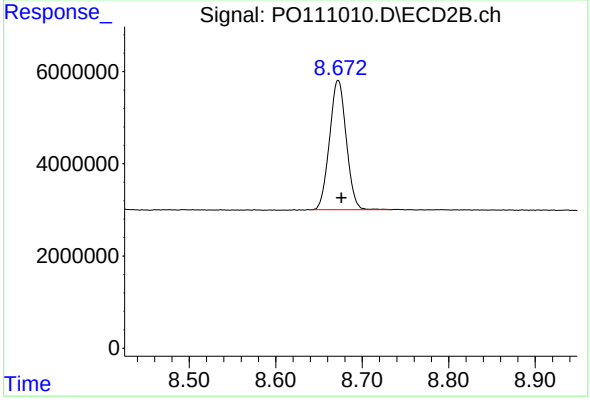
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 107943598
Conc: 22.29 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.003 min
Response: 109699245
Conc: 17.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 37652403
Conc: 22.32 ng/ml

Raw Data: **PO111032.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:	PB167972BL	SDG No.:	Q1984
Lab Sample ID:	PB167972BL	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
PO111032.D	1	05/13/25 08:30	05/13/25 13:24	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.30	U	3.90	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	4.00	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	8.30	U	3.70	8.30	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	4.00	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	5.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	8.30	U	3.20	8.30	17.0	ug/kg
37324-23-5	Aroclor-1262	13.0	U	5.00	13.0	17.0	ug/kg
11100-14-4	Aroclor-1268	8.30	U	3.60	8.30	17.0	ug/kg
11096-82-5	Aroclor-1260	8.30	U	3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.6		44 - 130		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 125		102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PO111032.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:24
Operator : YP/AJ
Sample : PB167972BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167972BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	118.0E6	98593840	20.619	20.358
2)	SA Decachlor...	8.723	8.672	102.8E6	34340558	16.848	20.353
	Target Compounds						

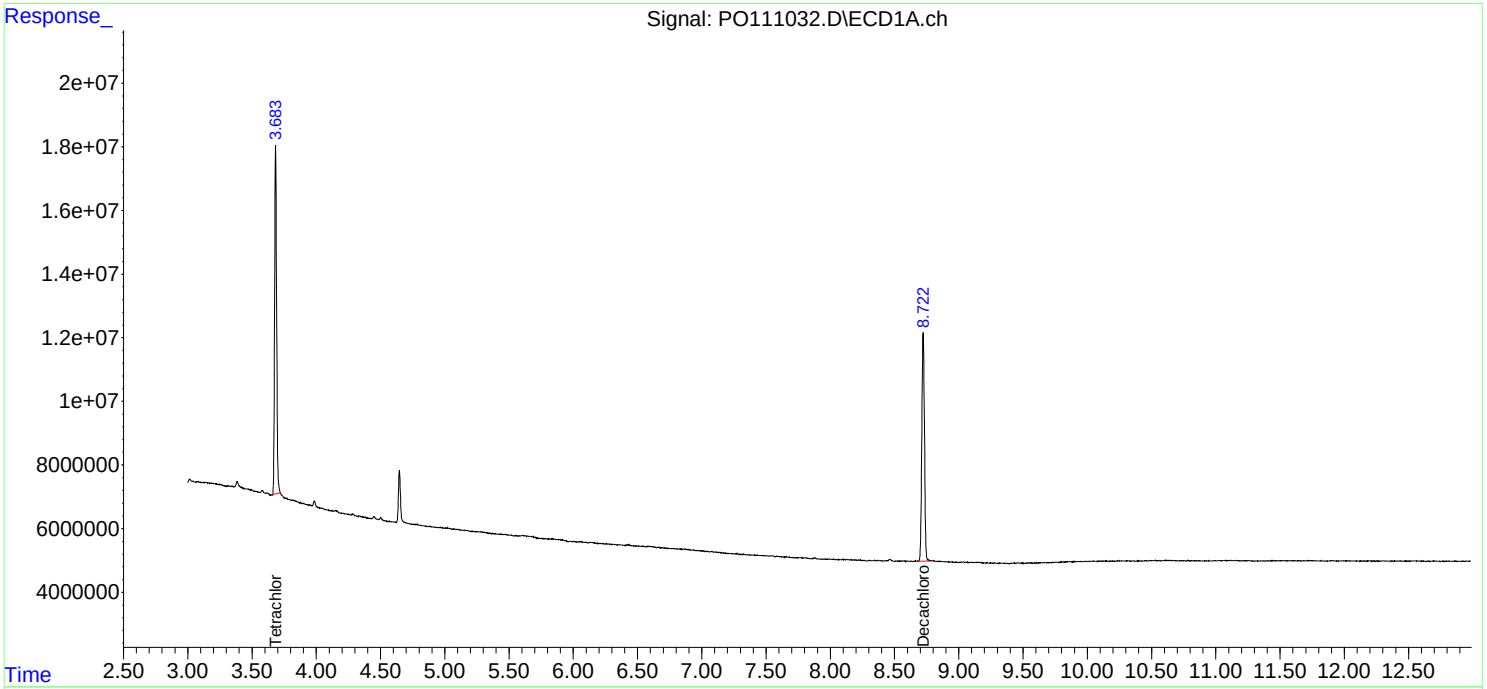
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

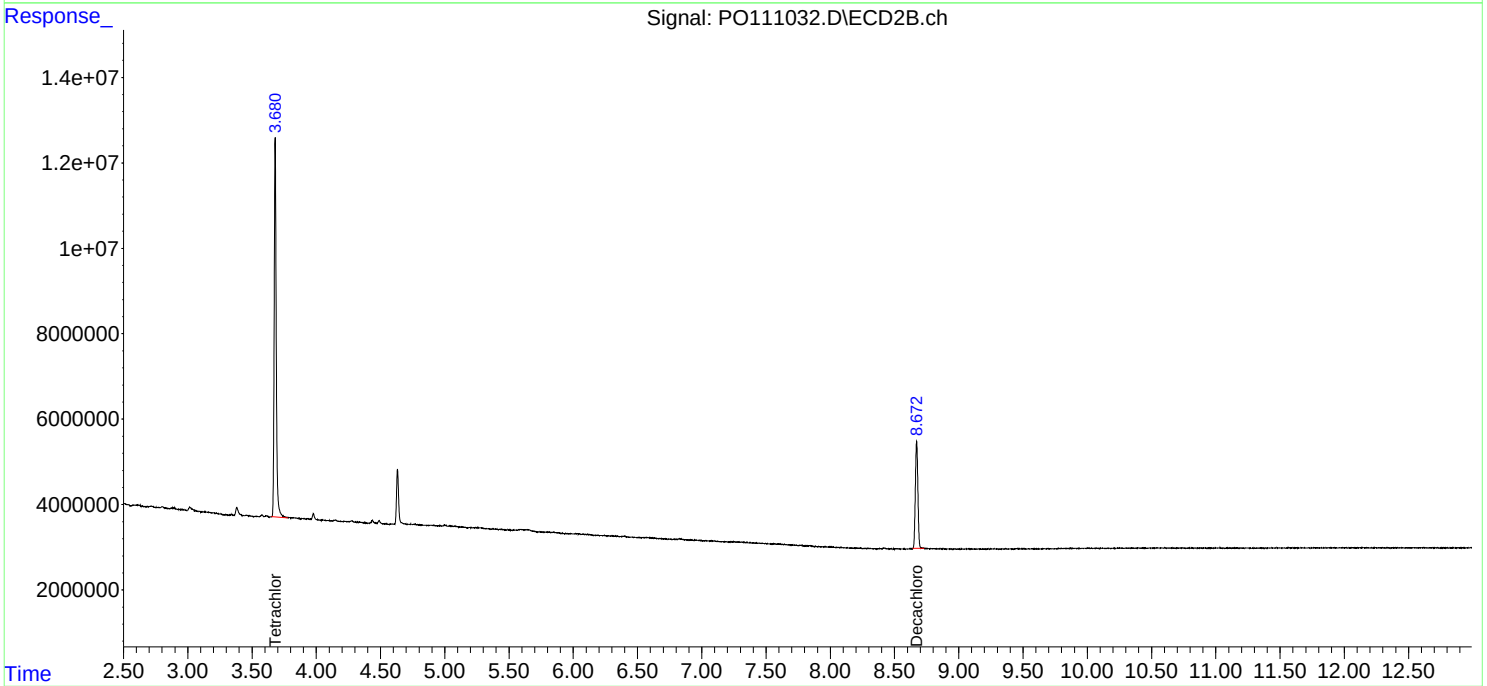
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:24
Operator : YP/AJ
Sample : PB167972BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

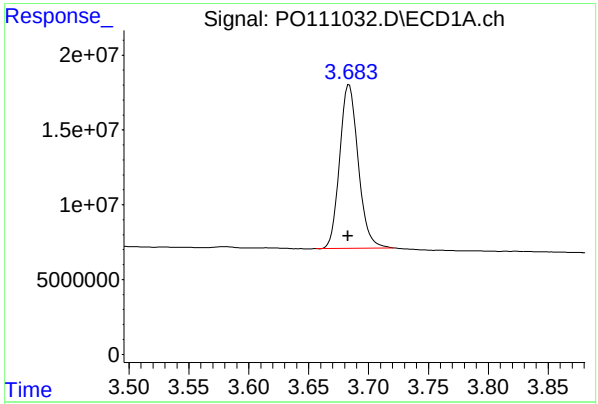
Instrument :
ECD_O
ClientSampleId :
PB167972BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



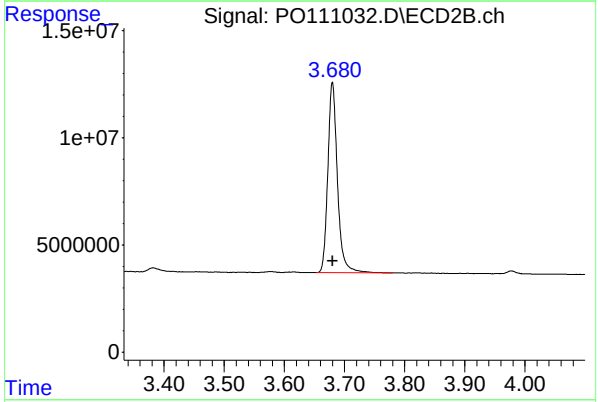




#1 Tetrachloro-m-xylene

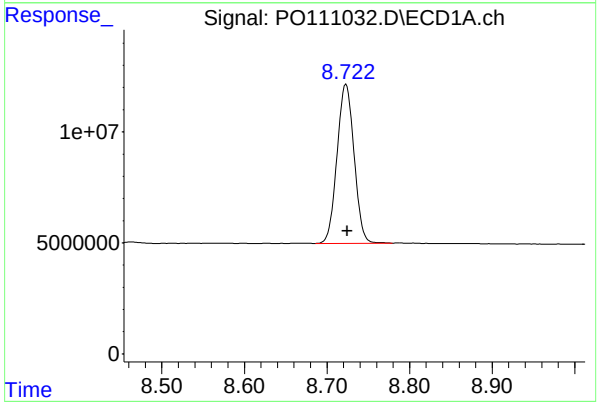
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 117954505
Conc: 20.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167972BL



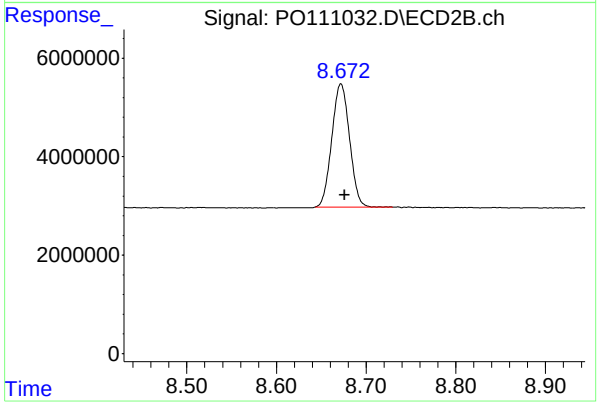
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 98593840
Conc: 20.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 102813917
Conc: 16.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 34340558
Conc: 20.35 ng/ml

Raw Data: **PO110891.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:	05/02/25
Project:	Raymark Superfund Site	Date Received:	05/02/25
Client Sample ID:	PIBLK-PO110891.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PO110891.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
PO110891.D	1		05/02/25	PO050225

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	15.2		60 - 140		76%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 140		90%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 09:27
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:58:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:55:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.686	3.682	92271727	73512929	16.129	15.179
2)	SA Decachlor...	8.728	8.677	110.5E6	30487090	18.111	18.069
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

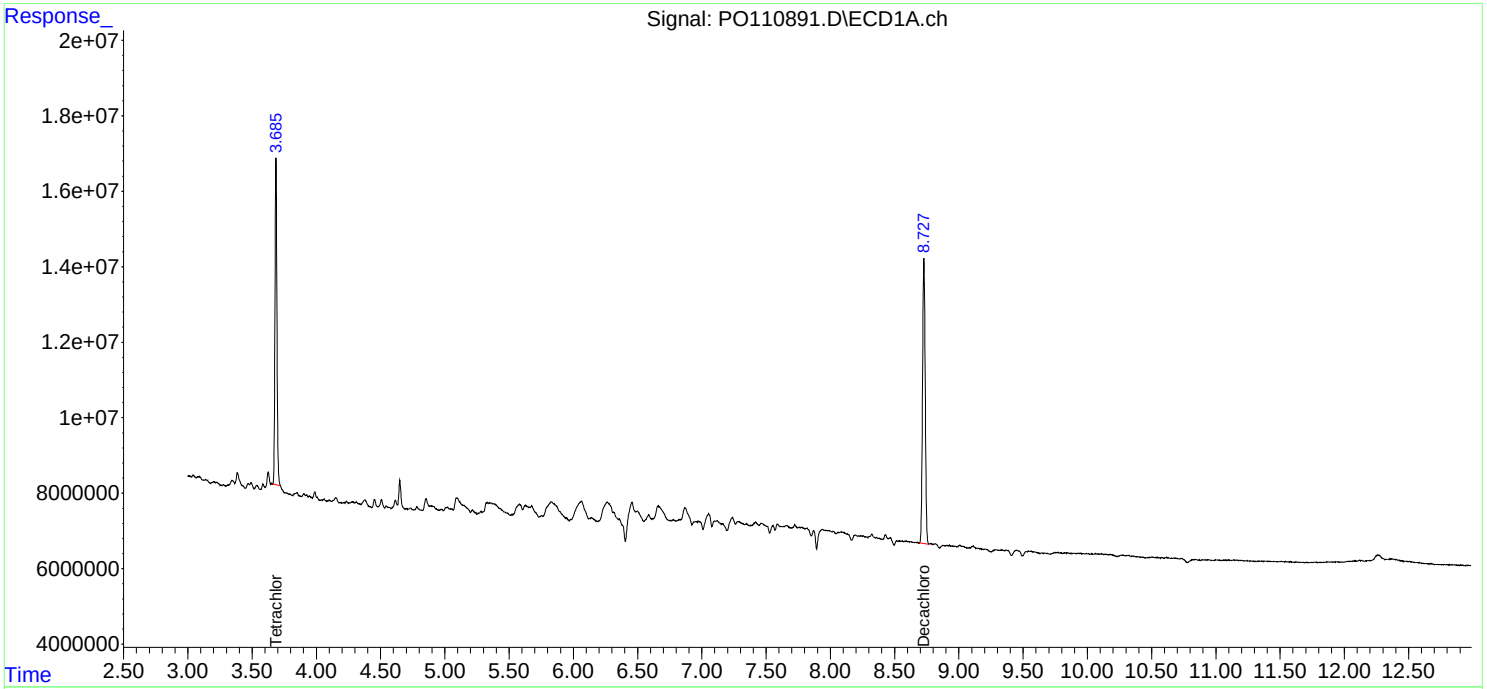
Sample Results: **PO110891.D**

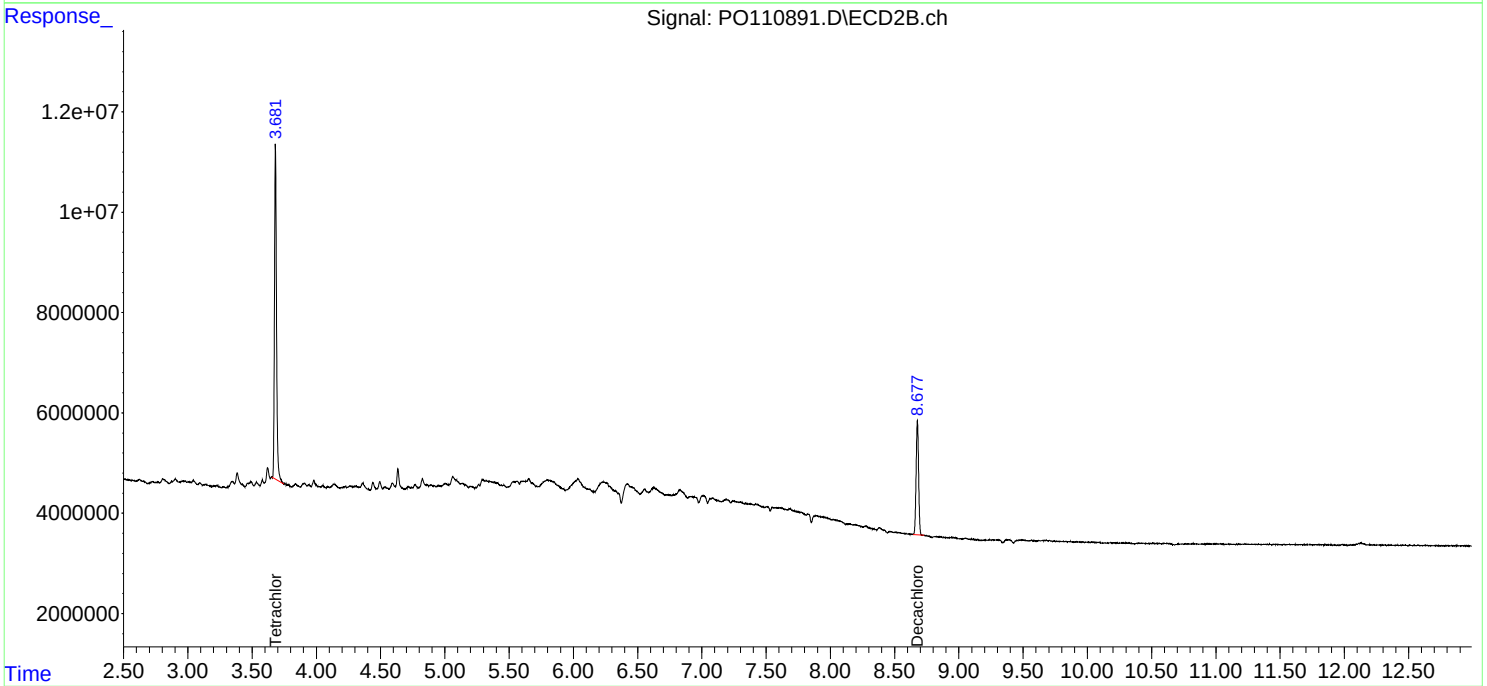
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 09:27
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

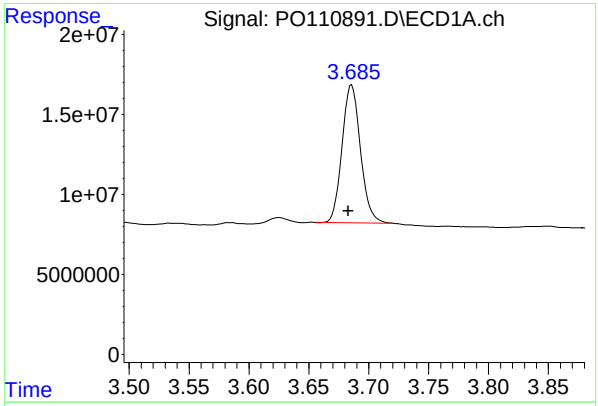
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:58:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:55:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



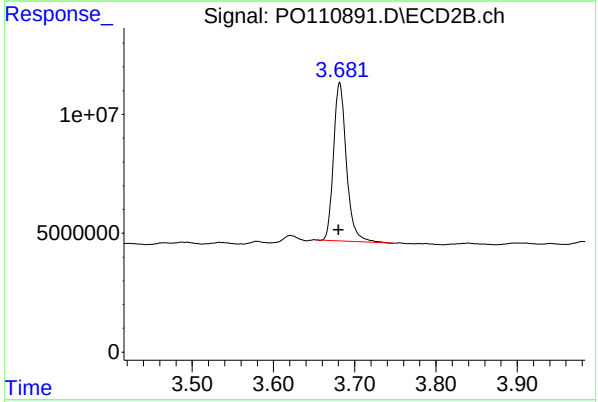




#1 Tetrachloro-m-xylene

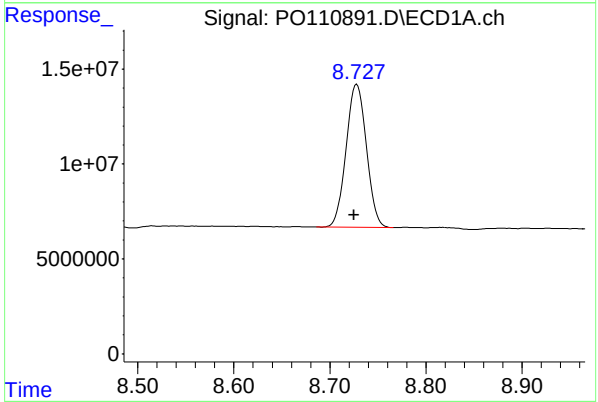
R.T.: 3.686 min
Delta R.T.: 0.003 min
Response: 92271727
Conc: 16.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



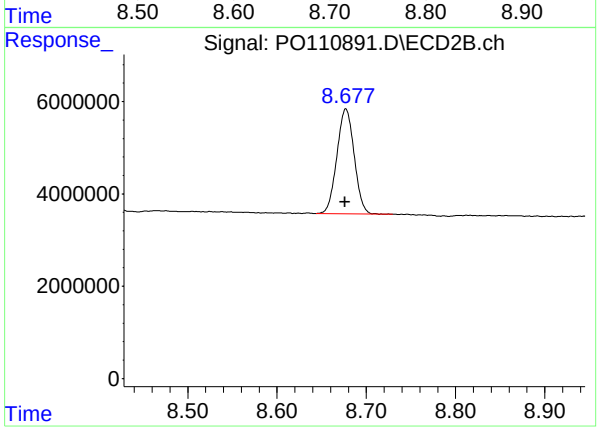
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: 0.001 min
Response: 73512929
Conc: 15.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: 0.003 min
Response: 110520981
Conc: 18.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.677 min
Delta R.T.: 0.001 min
Response: 30487090
Conc: 18.07 ng/ml

Raw Data: **PO111009.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:	05/12/25
Project:	Raymark Superfund Site	Date Received:	05/12/25
Client Sample ID:	PIBLK-PO111009.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PO111009.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
PO111009.D	1		05/12/25	PO051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.1		60 - 140		86%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.3		60 - 140		72%	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: **PO111009.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 10:20
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:50:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	97911944	84151869	17.115	17.376
2)	SA Decachlor...	8.723	8.672	87459227	30113128	14.332	17.847
	Target Compounds						

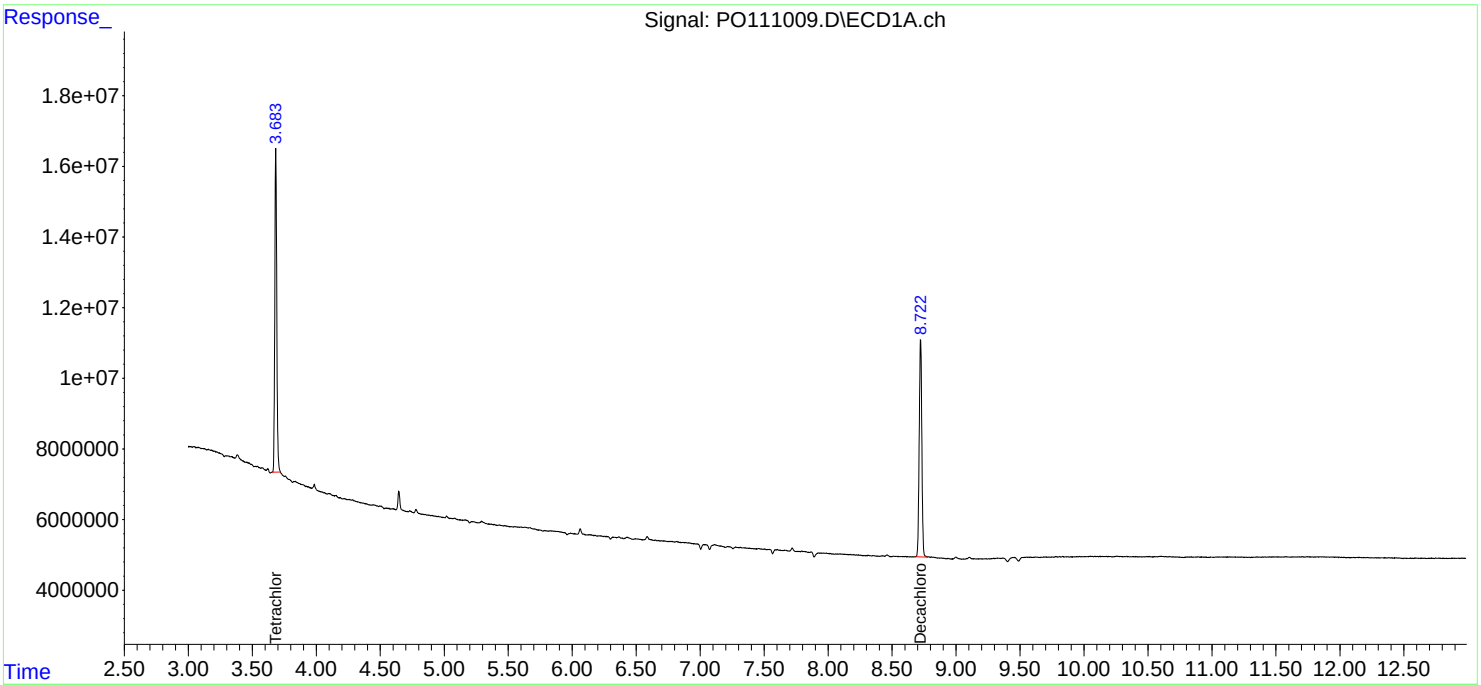
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

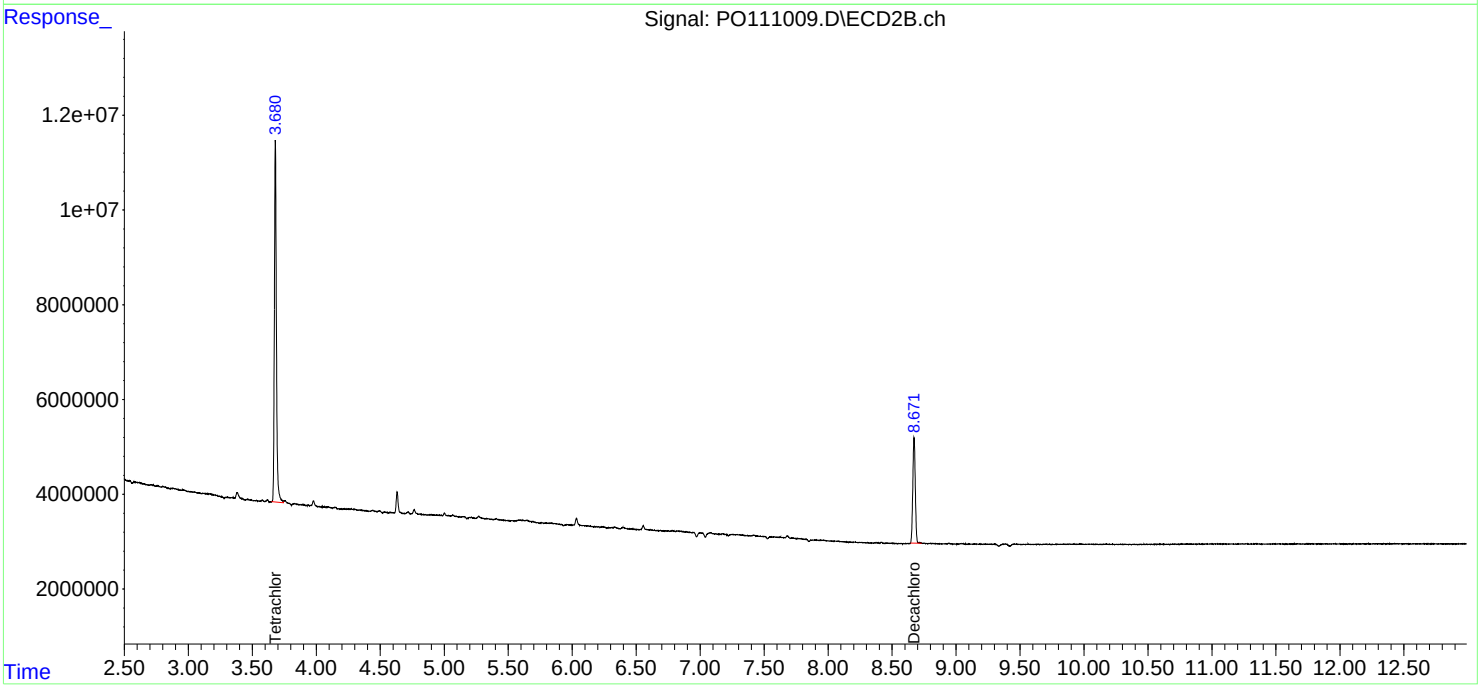
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 10:20
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

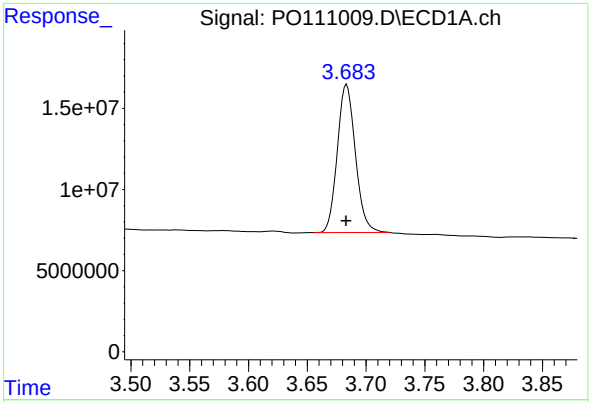
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:50:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



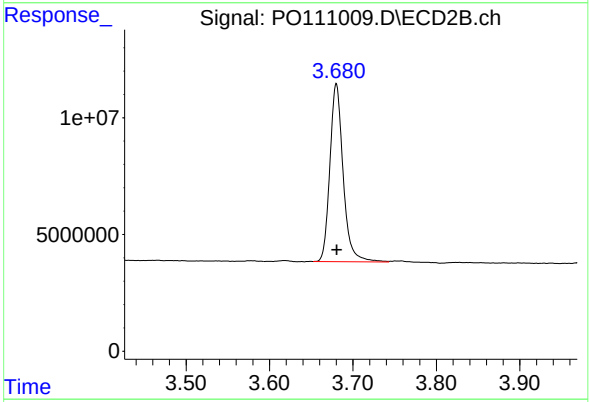




#1 Tetrachloro-m-xylene

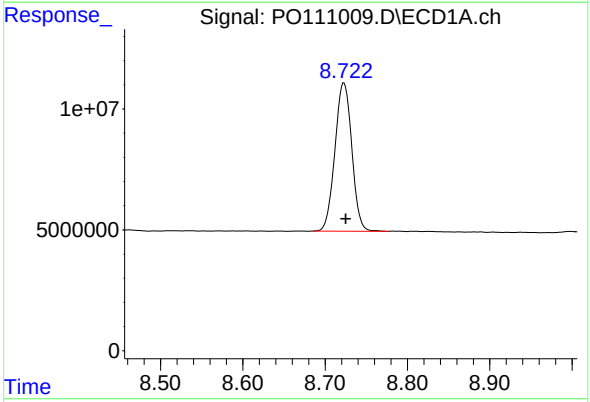
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 97911944
Conc: 17.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



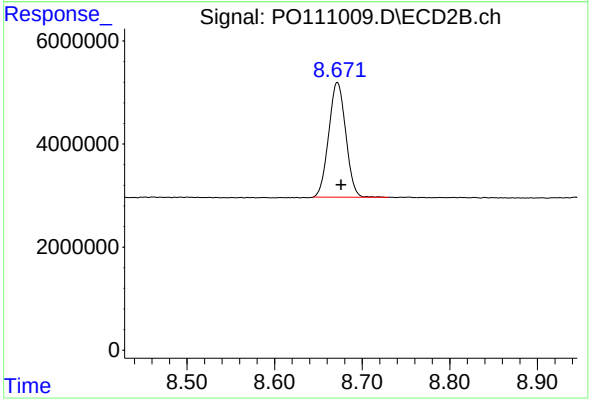
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 84151869
Conc: 17.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 87459227
Conc: 14.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 30113128
Conc: 17.85 ng/ml

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group		Date Collected:	05/12/25	
Project:	Raymark Superfund Site		Date Received:	05/12/25	
Client Sample ID:	PIBLK-PO111024.D		SDG No.:	Q1984	
Lab Sample ID:	I.BLK-PO111024.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
PO111024.D	1		05/12/25	PO051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		60 - 140		89%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.5		60 - 140		72%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 19:21
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:55:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	102.3E6	86602970	17.890	17.882
2)	SA Decachlor...	8.724	8.673	88238623	31331760	14.460	18.570 #
	Target Compounds						

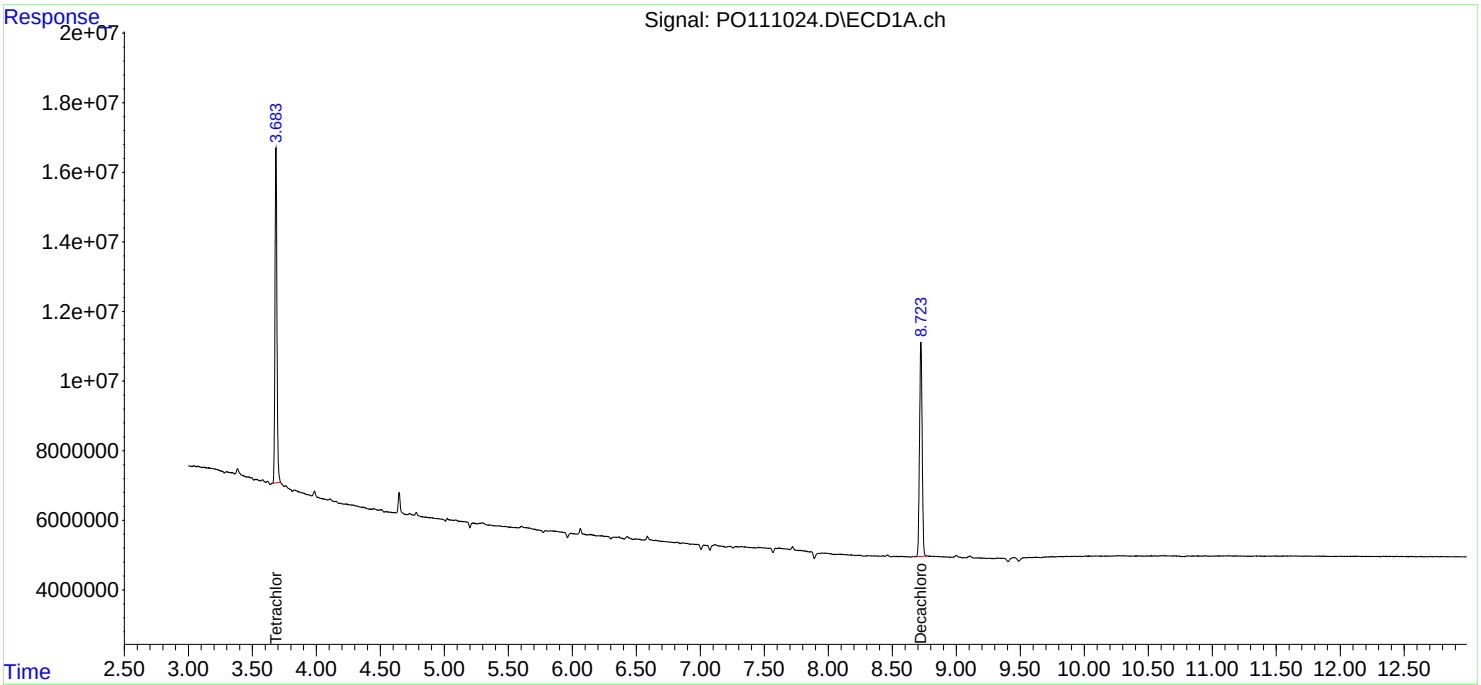
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

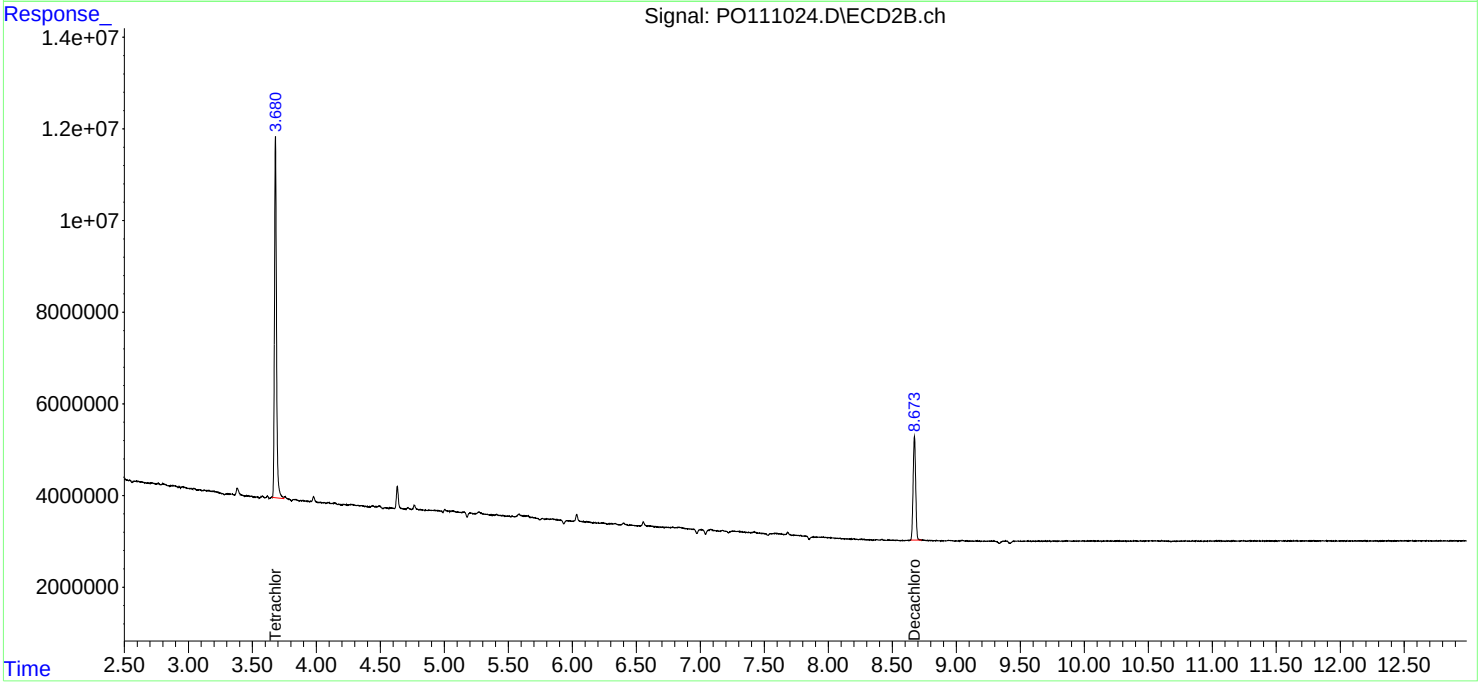
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 19:21
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

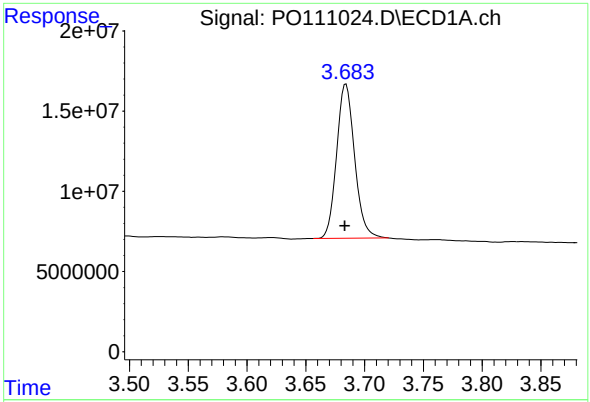
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:55:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



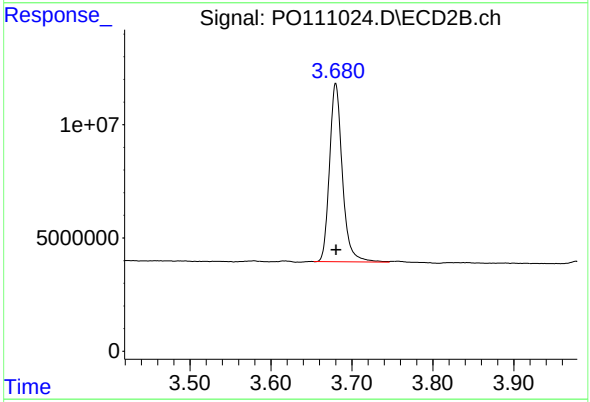




#1 Tetrachloro-m-xylene

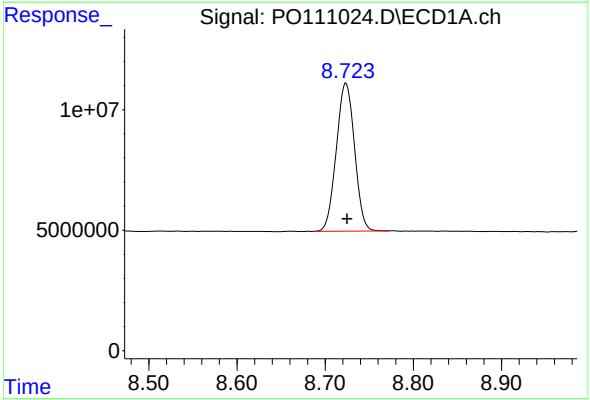
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 102346036
Conc: 17.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



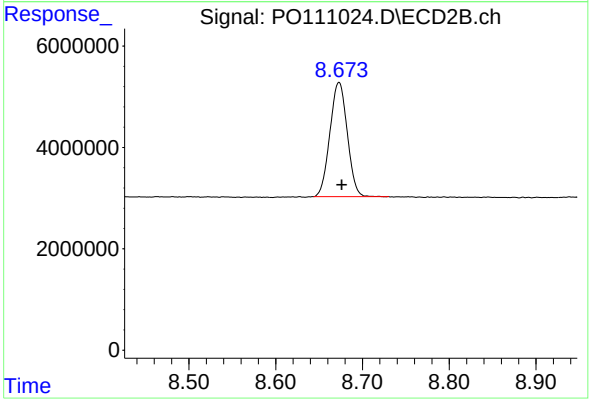
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 86602970
Conc: 17.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.001 min
Response: 88238623
Conc: 14.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 31331760
Conc: 18.57 ng/ml

Raw Data: **PO111030.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:	05/13/25
Project:	Raymark Superfund Site	Date Received:	05/13/25
Client Sample ID:	PIBLK-PO111030.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PO111030.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
PO111030.D	1		05/13/25	po051325

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	15.9		60 - 140		80%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.2		60 - 140		66%	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: **PO111030.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:28
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:19:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	92205092	77249742	16.118	15.950
2)	SA Decachlor...	8.723	8.672	80433913	27530220	13.181	16.317
	Target Compounds						

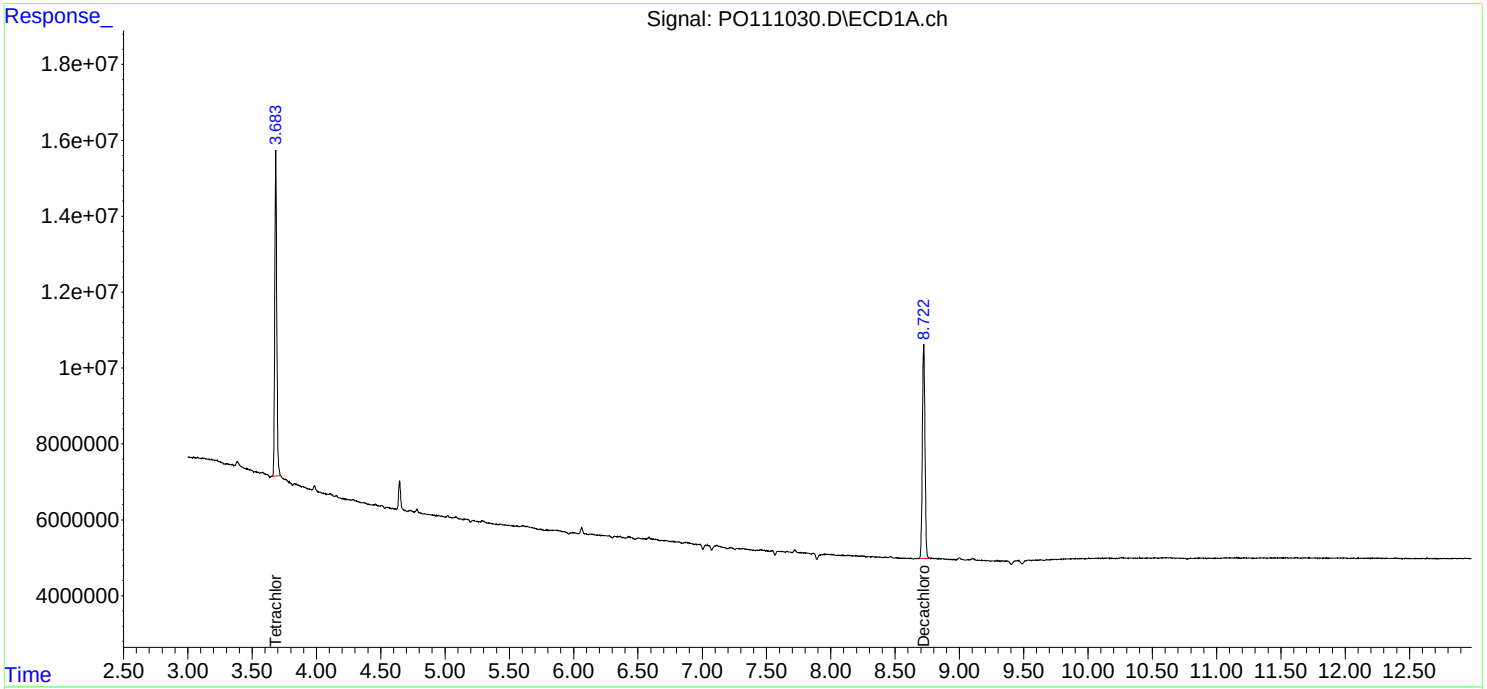
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

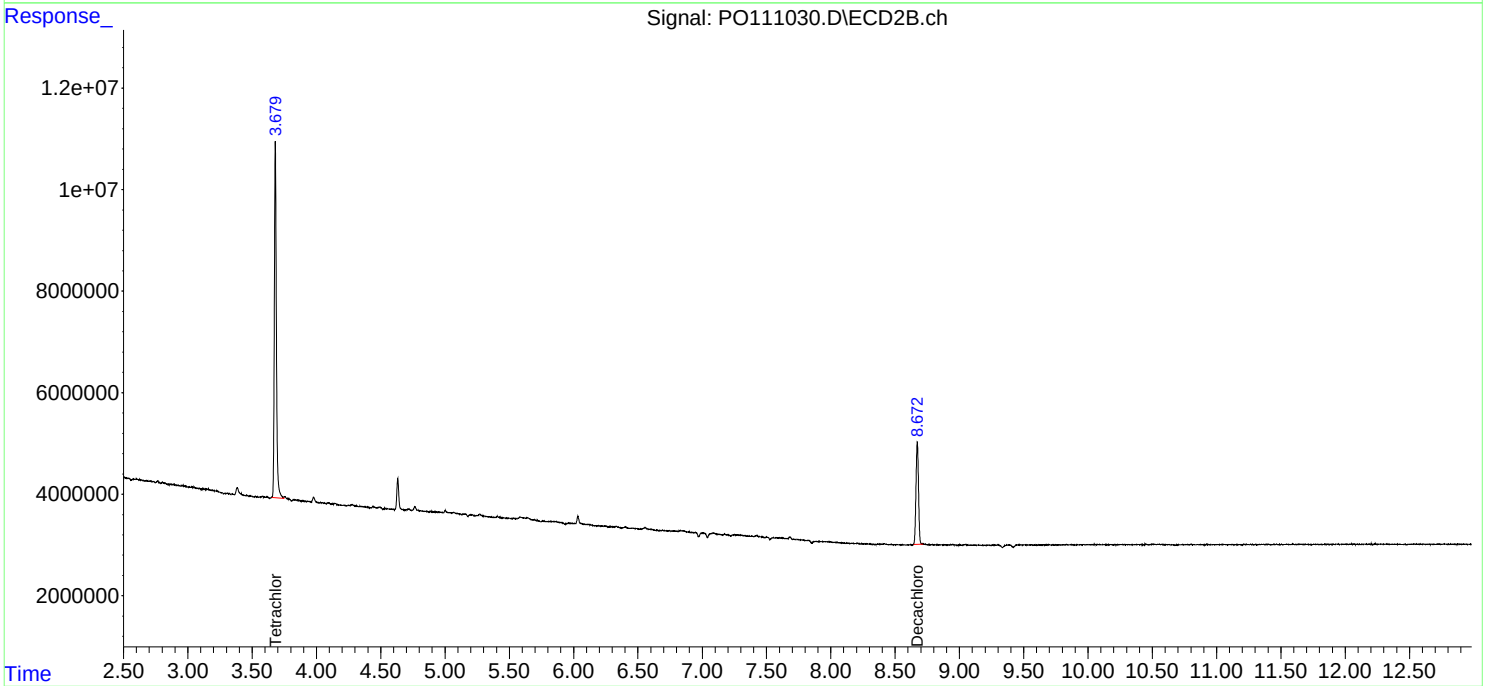
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:28
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

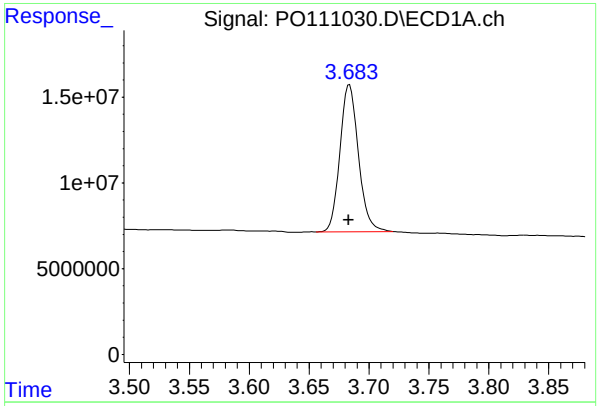
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:19:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



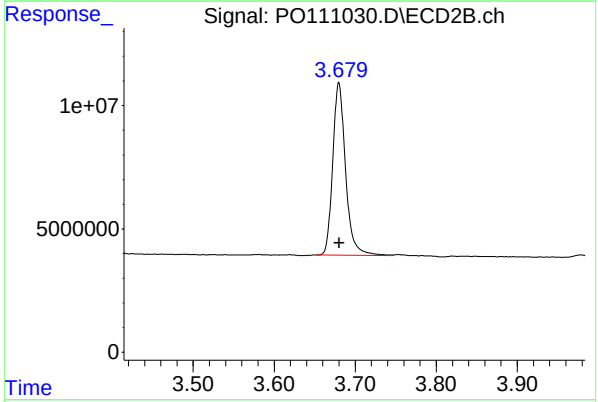




#1 Tetrachloro-m-xylene

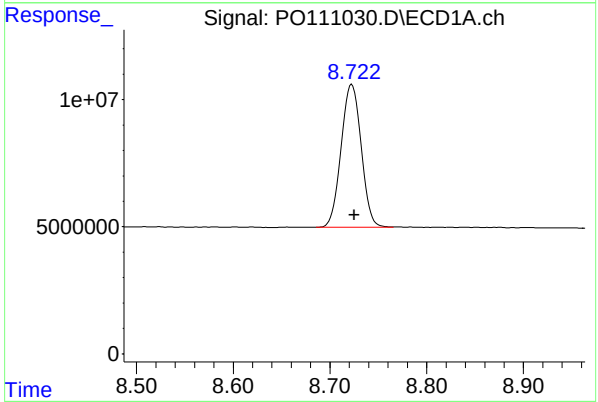
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 92205092
Conc: 16.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



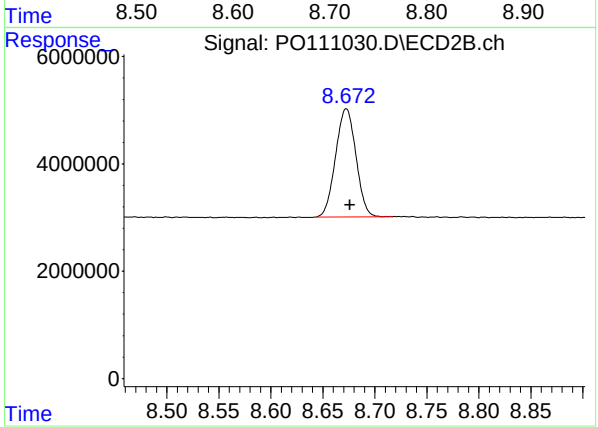
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 77249742
Conc: 15.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 80433913
Conc: 13.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.003 min
Response: 27530220
Conc: 16.32 ng/ml

Raw Data: **PO111045.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:	05/13/25
Project:	Raymark Superfund Site	Date Received:	05/13/25
Client Sample ID:	PIBLK-PO111045.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PO111045.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
PO111045.D	1		05/13/25	po051325

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	13.4		60 - 140		67%	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: **PO111045.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 19:23
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.682	3.678	93518177	78394660	16.347	16.187
2)	SA Decachlor...	8.721	8.671	82017576	27835011	13.440	16.497
	Target Compounds						

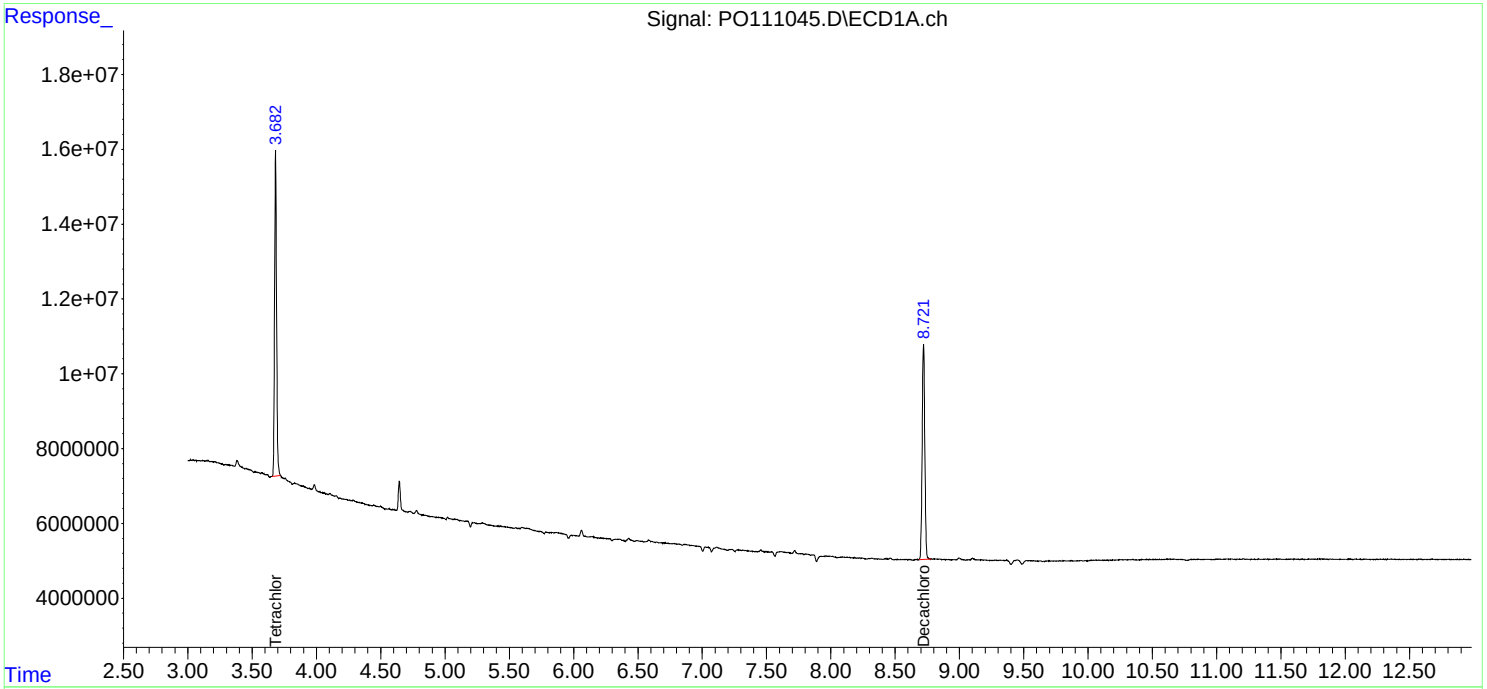
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

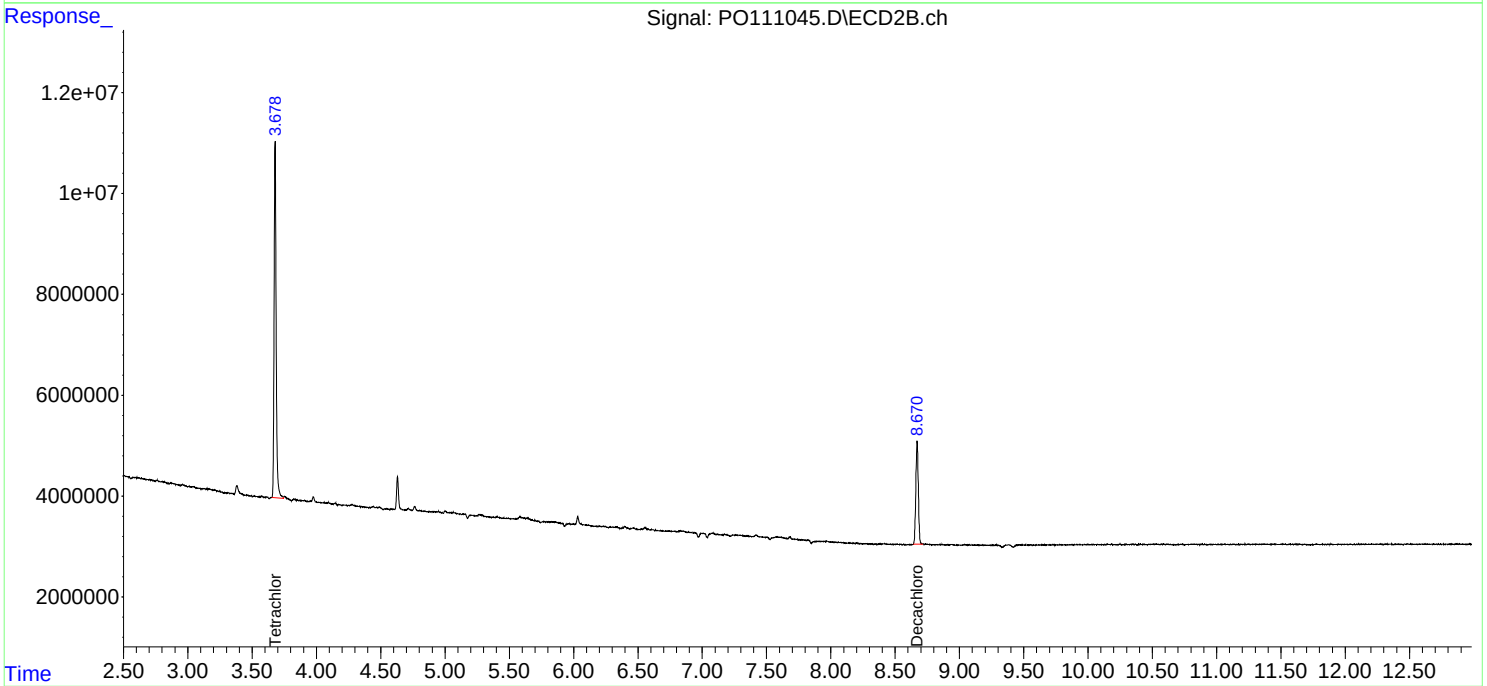
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 19:23
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

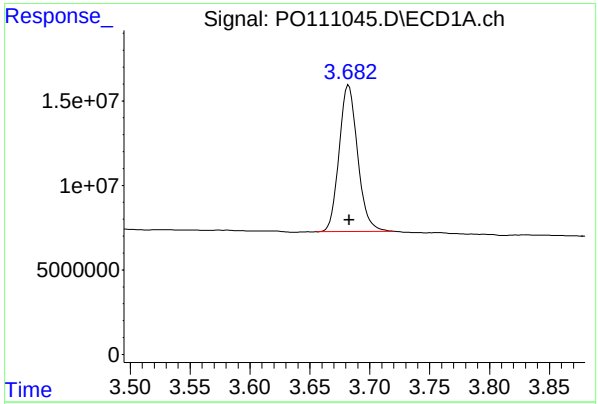
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



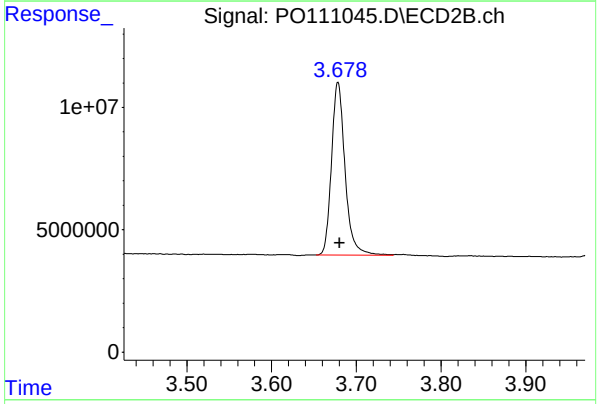




#1 Tetrachloro-m-xylene

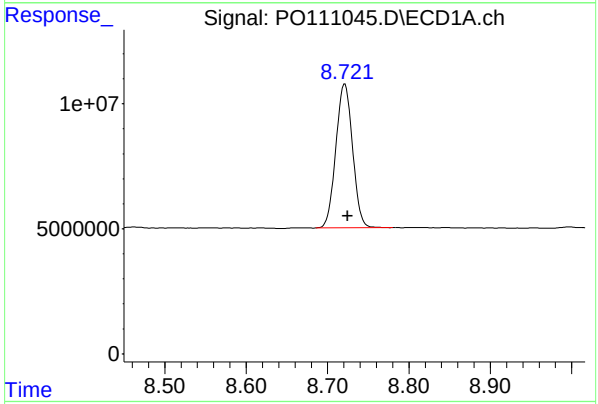
R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 93518177
Conc: 16.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



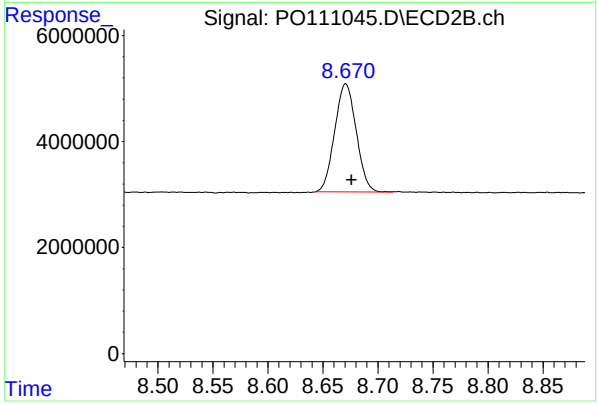
#1 Tetrachloro-m-xylene

R.T.: 3.678 min
Delta R.T.: -0.002 min
Response: 78394660
Conc: 16.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.721 min
Delta R.T.: -0.004 min
Response: 82017576
Conc: 13.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.671 min
Delta R.T.: -0.005 min
Response: 27835011
Conc: 16.50 ng/ml

Raw Data: **PO111051.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:	05/14/25
Project:	Raymark Superfund Site	Date Received:	05/14/25
Client Sample ID:	PIBLK-PO111051.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PO111051.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
PO111051.D	1		05/14/25	PO051425

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	16.6		60 - 140		83%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.8		60 - 140		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 10:31
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:02:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.680	94943562	80450220	16.596	16.611
2)	SA Decachlor...	8.723	8.672	84278298	28479487	13.811	16.879
	Target Compounds						

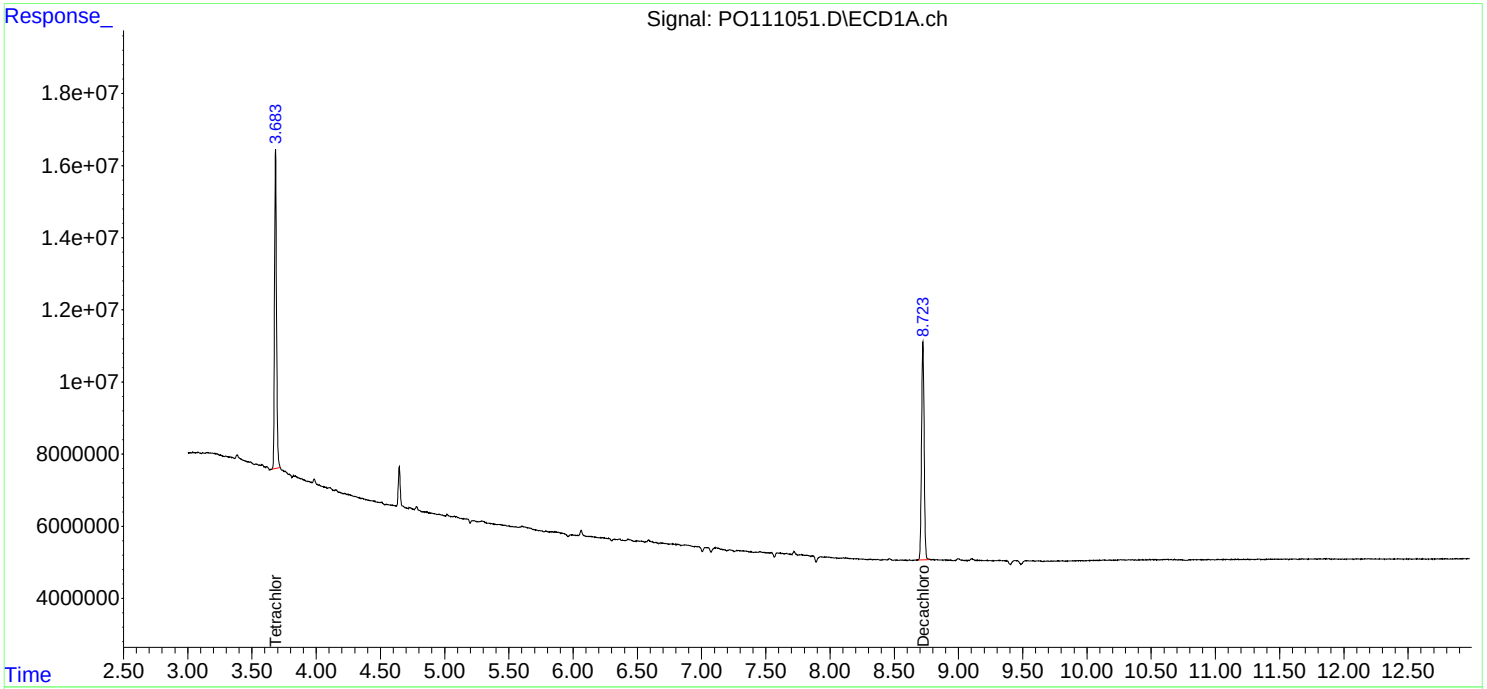
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

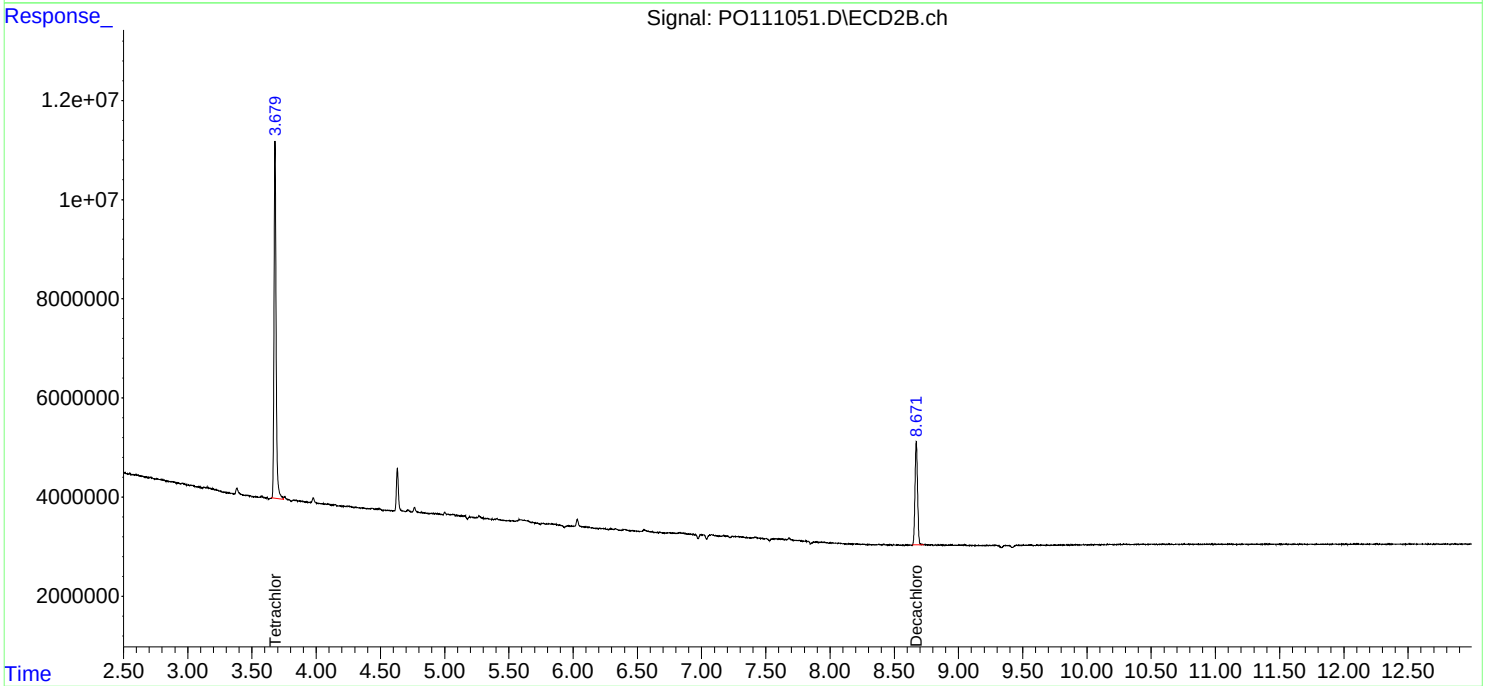
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 10:31
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

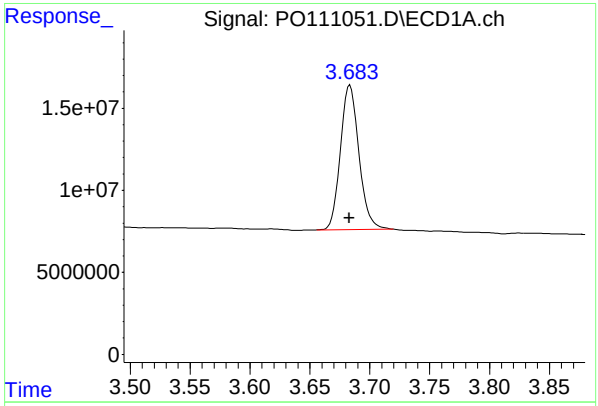
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:02:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



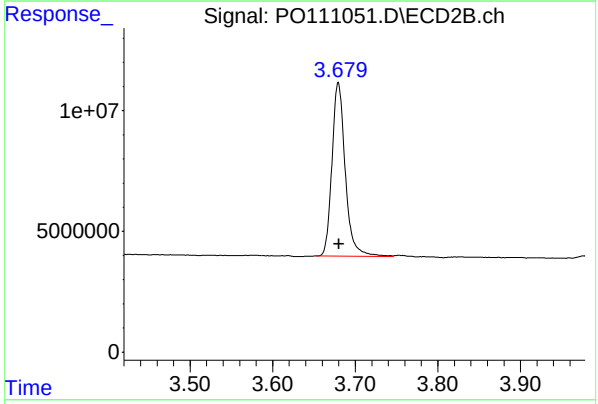




#1 Tetrachloro-m-xylene

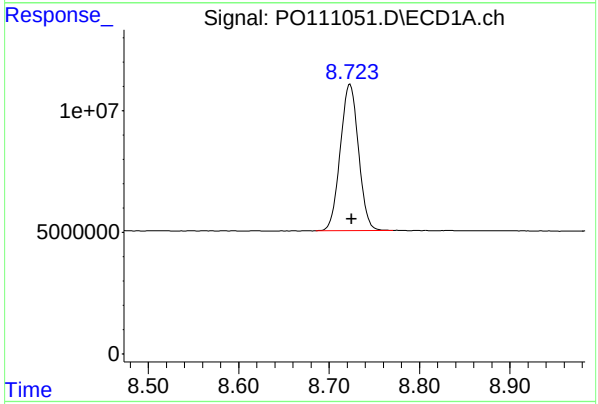
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 94943562
Conc: 16.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



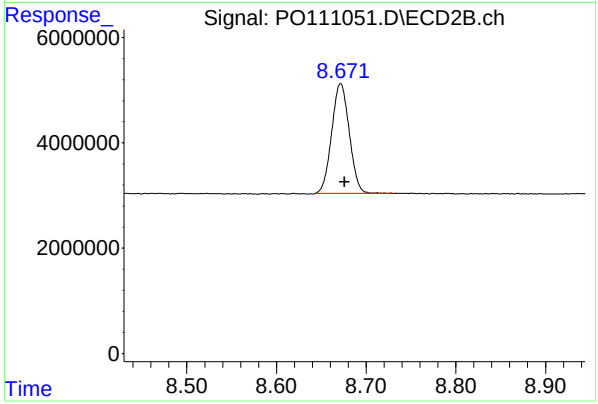
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 80450220
Conc: 16.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 84278298
Conc: 13.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 28479487
Conc: 16.88 ng/ml

Raw Data: **PO111055.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:	05/14/25
Project:	Raymark Superfund Site	Date Received:	05/14/25
Client Sample ID:	PIBLK-PO111055.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PO111055.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
PO111055.D	1		05/14/25	PO051425

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	14.7		60 - 140		74%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Sample Results: **PO111055.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:47
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:04:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.683	3.679	95803706	83425928	16.747	17.226
2)	SA Decachlor...	8.724	8.674	89930223	33660089	14.737	19.950 #
	Target Compounds						

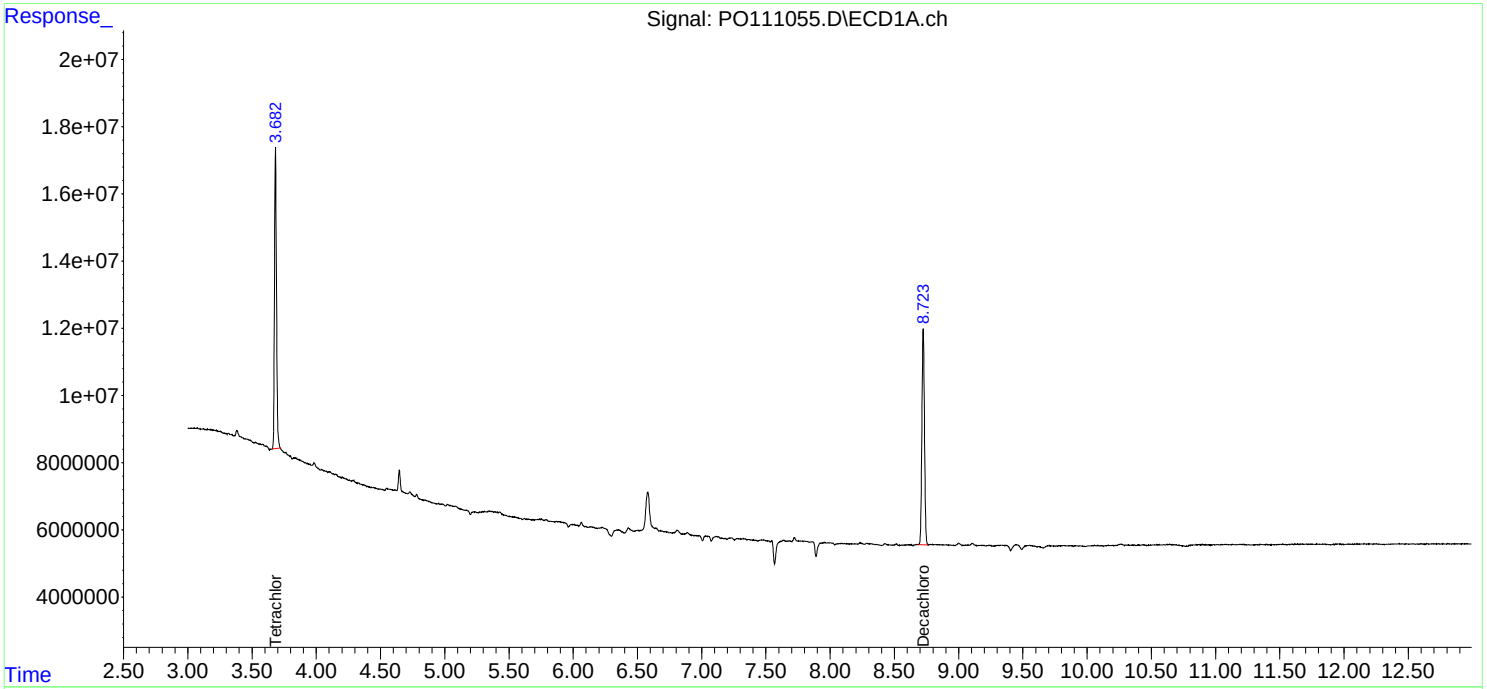
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

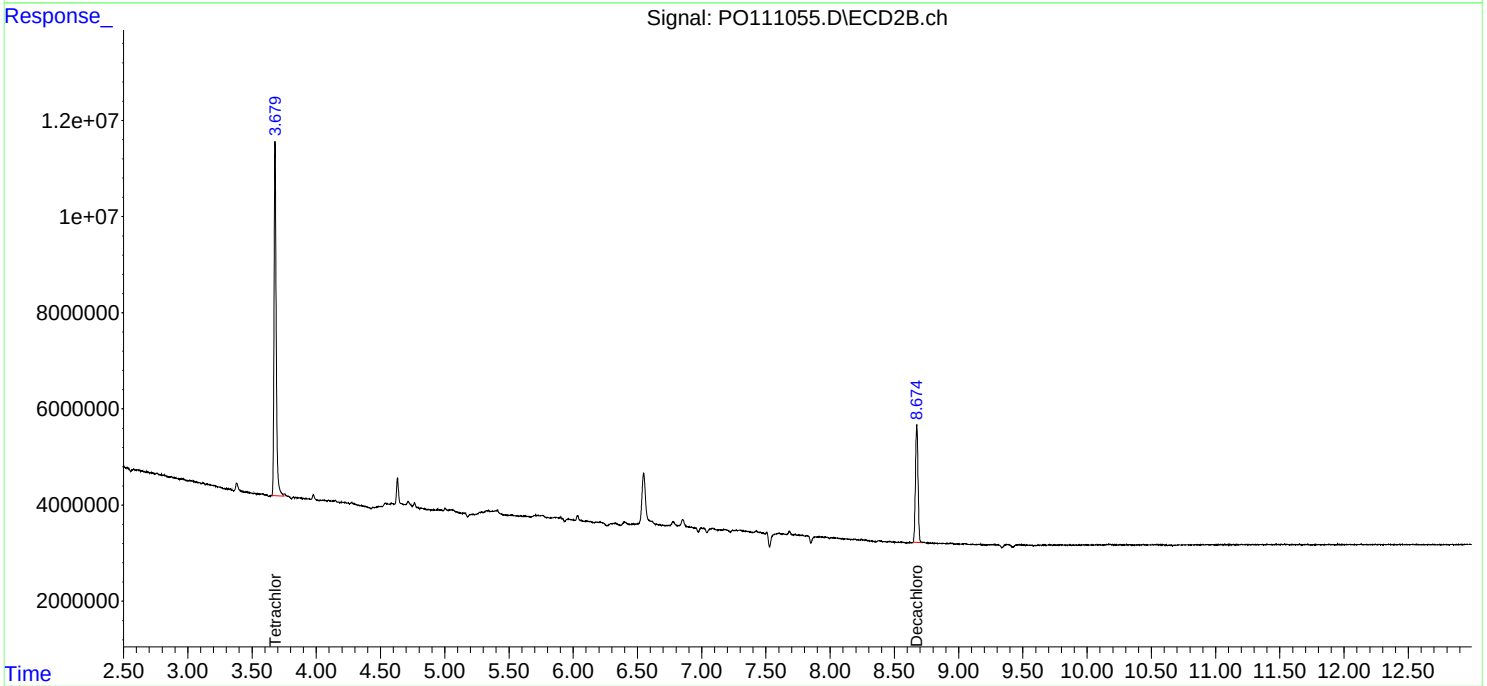
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051425\
Data File : PO111055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:47
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

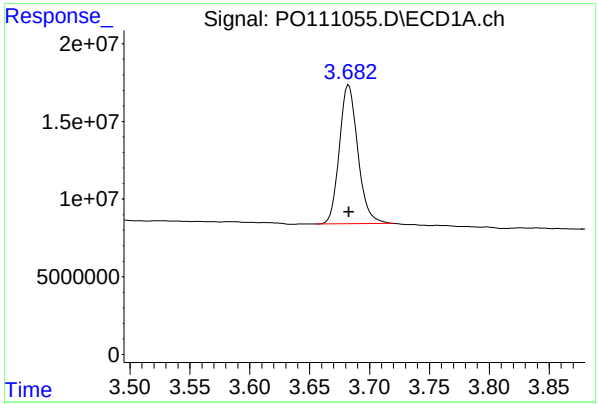
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:04:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



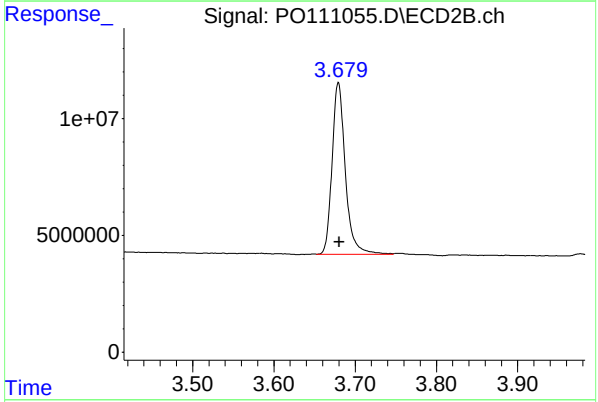




#1 Tetrachloro-m-xylene

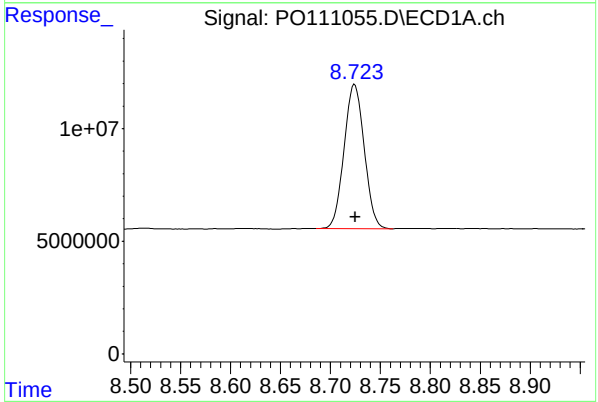
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 95803706
Conc: 16.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



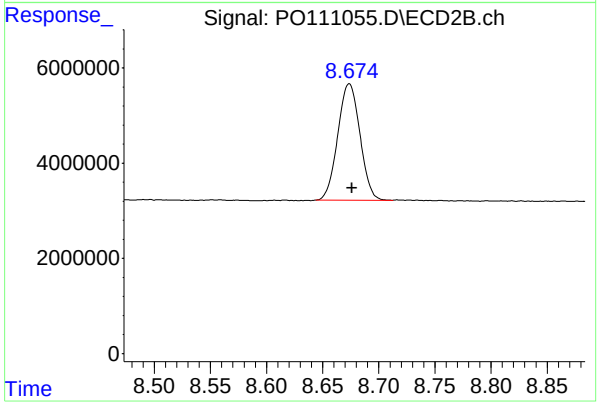
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.001 min
Response: 83425928
Conc: 17.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: 0.000 min
Response: 89930223
Conc: 14.74 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: -0.002 min
Response: 33660089
Conc: 19.95 ng/ml

Raw Data: **PP071388.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:	04/22/25
Project:	Raymark Superfund Site	Date Received:	04/22/25
Client Sample ID:	PIBLK-PP071388.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PP071388.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
PP071388.D	1		04/22/25	PP042225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.1		60 - 140		85%	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

Quantitation Report (QT Reviewed)

Sample Results: **PP071388.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:13
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: Apr 22 19:33:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.512	3.811	33865777	24238749	17.081	17.207
2)	SA Decachlor...	10.233	8.847	25533987	15462668	17.634	17.630
	Target Compounds						

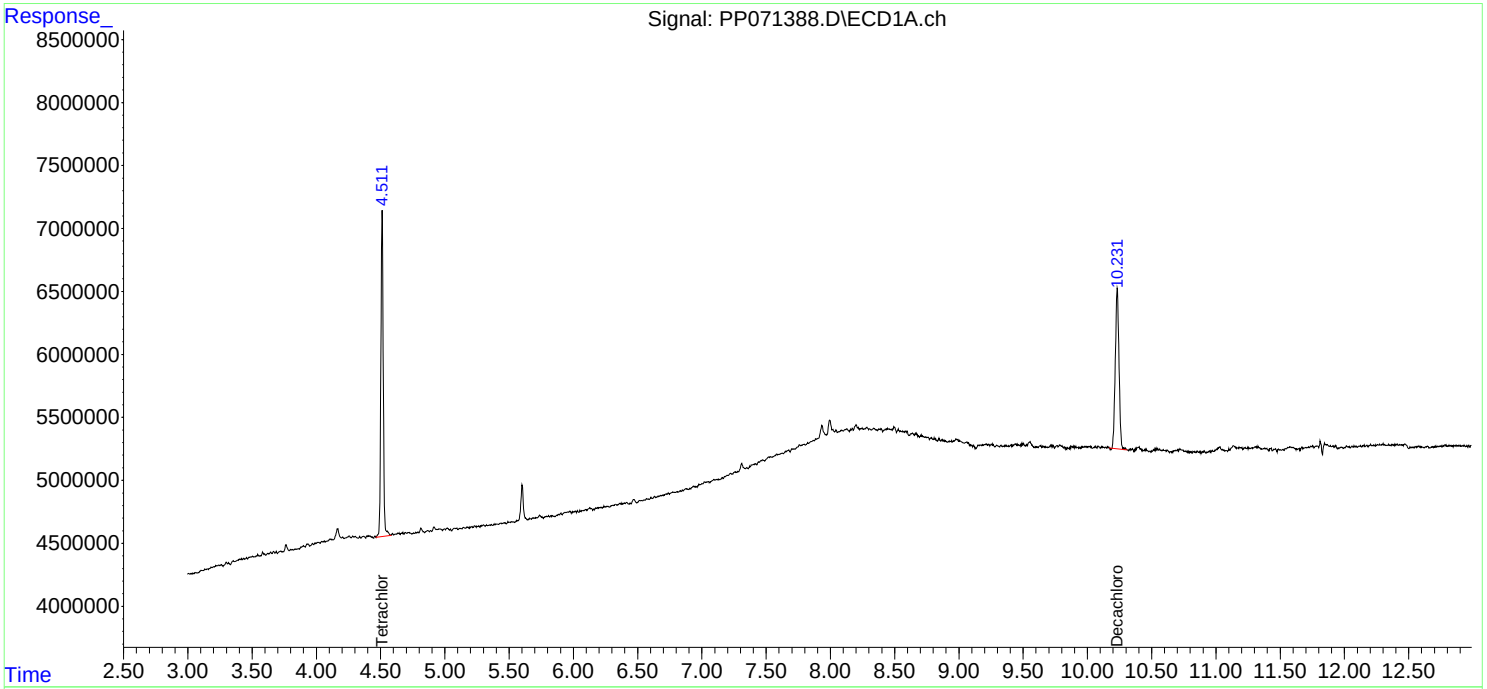
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

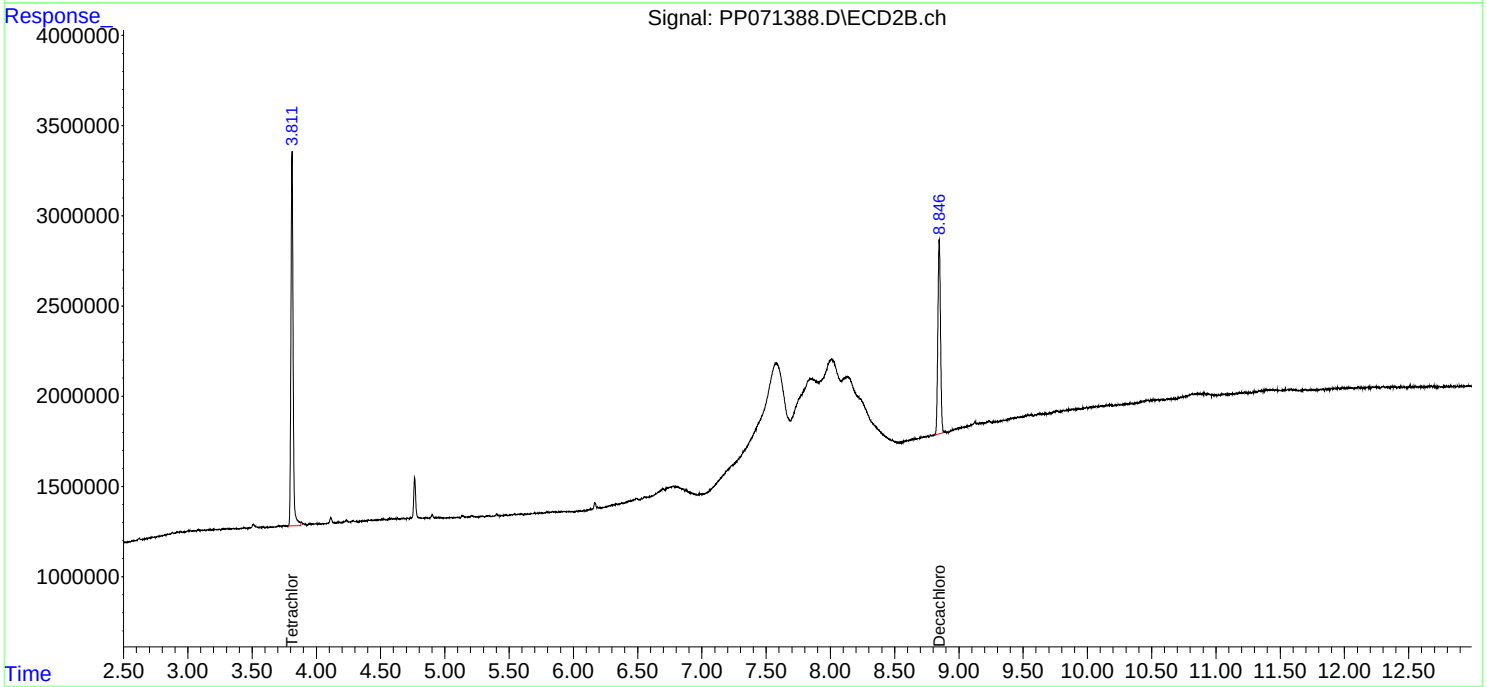
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 10:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

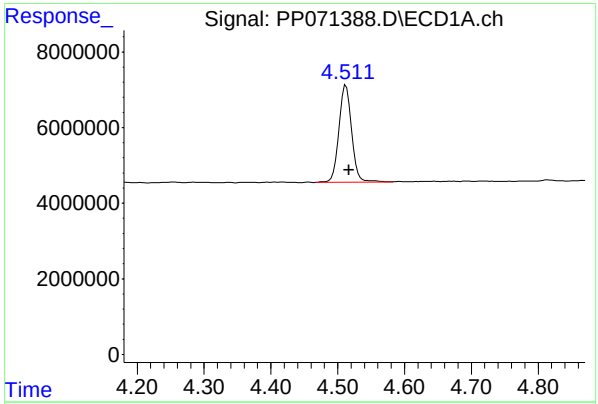
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 19:33:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 17:08:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



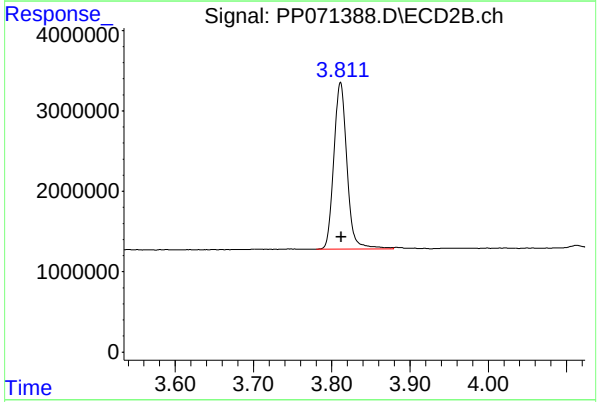




#1 Tetrachloro-m-xylene

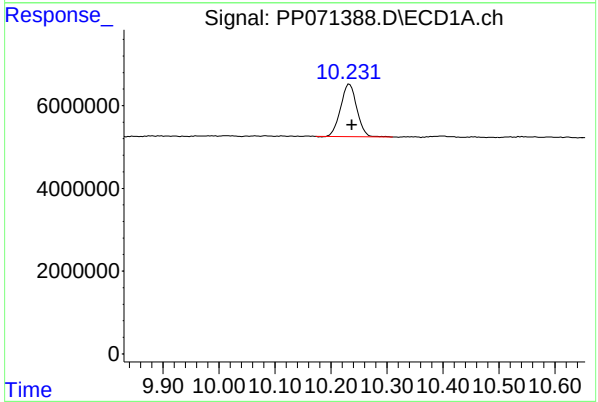
R.T.: 4.512 min
Delta R.T.: -0.005 min
Response: 33865777
Conc: 17.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



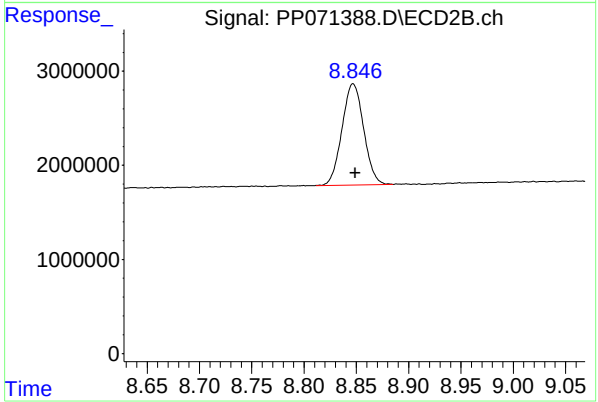
#1 Tetrachloro-m-xylene

R.T.: 3.811 min
Delta R.T.: -0.001 min
Response: 24238749
Conc: 17.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: -0.005 min
Response: 25533987
Conc: 17.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.847 min
Delta R.T.: -0.002 min
Response: 15462668
Conc: 17.63 ng/ml

Raw Data: **PP072007.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:	05/13/25
Project:	Raymark Superfund Site	Date Received:	05/13/25
Client Sample ID:	PIBLK-PP072007.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PP072007.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
PP072007.D	1		05/13/25	pp051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.1		60 - 140		85%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		60 - 140		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

Sample Results: **PP072007.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.502	3.802	33865232	27738187	17.081	19.691m
2)	SA Decachlor...	10.209	8.825	27585584	19082699	19.051m	21.758m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

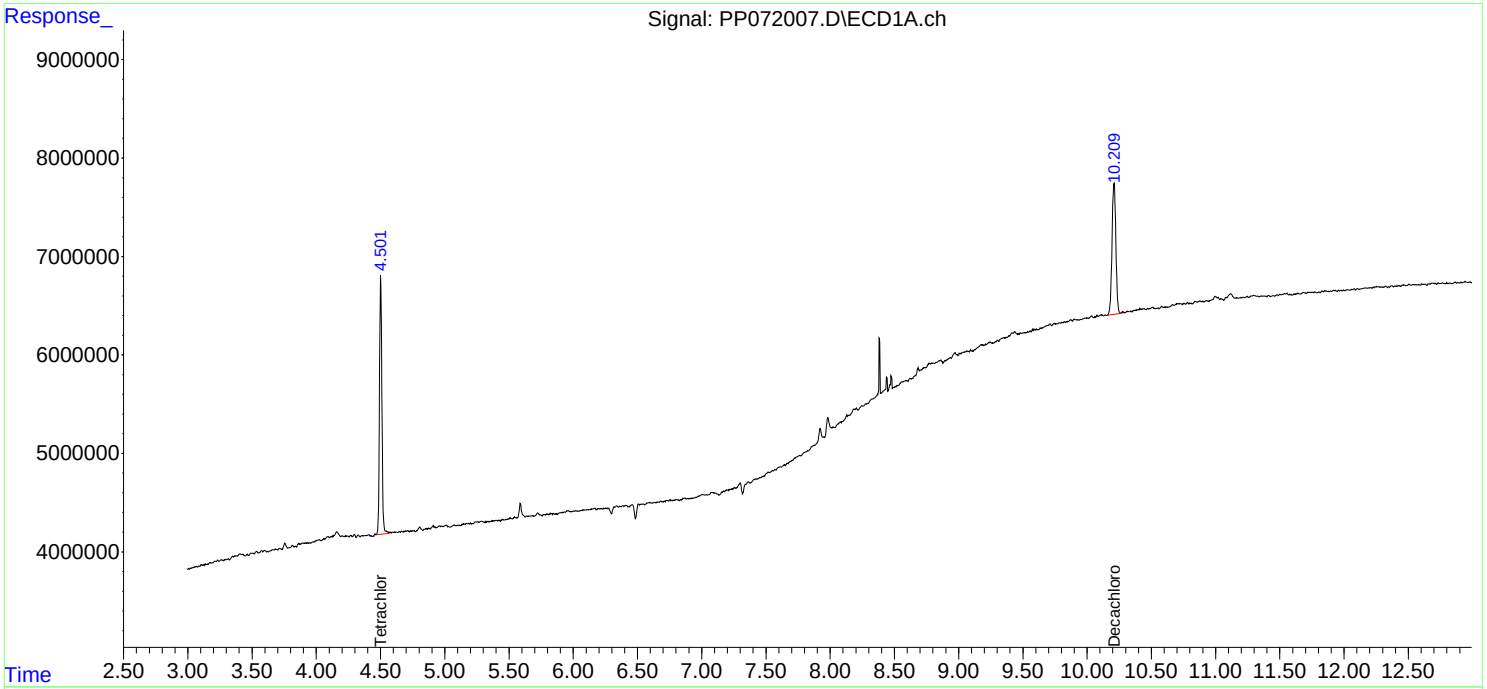
Instrument :
ECD_P
ClientSampleId :
I.BLK

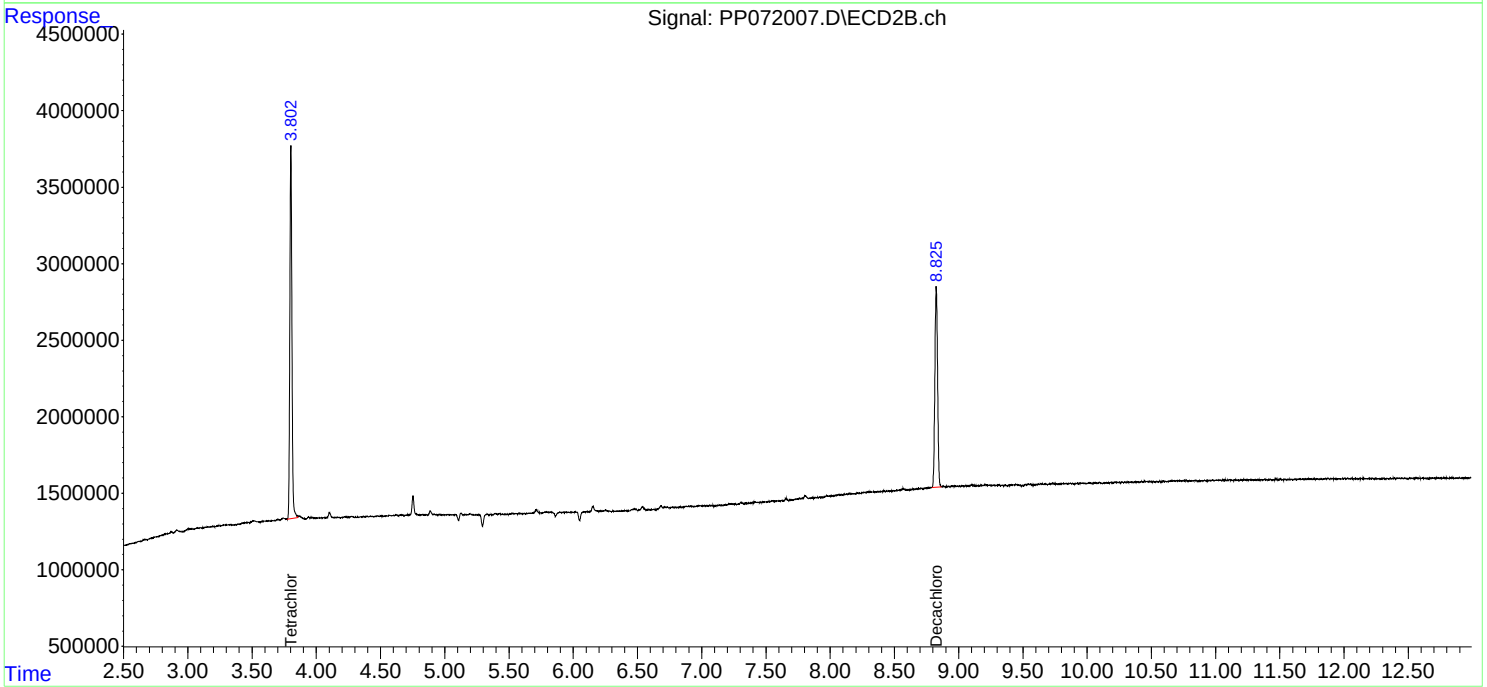
Manual Integrations APPROVED

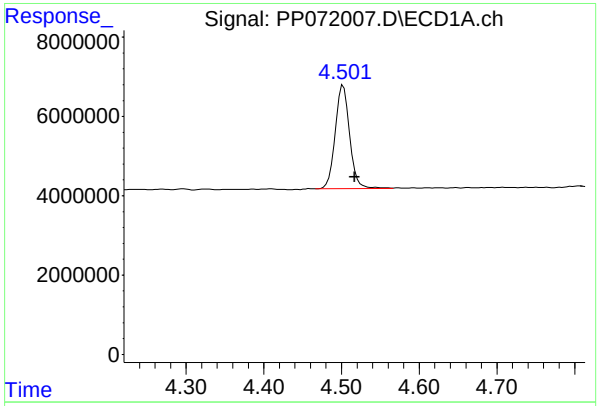
Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







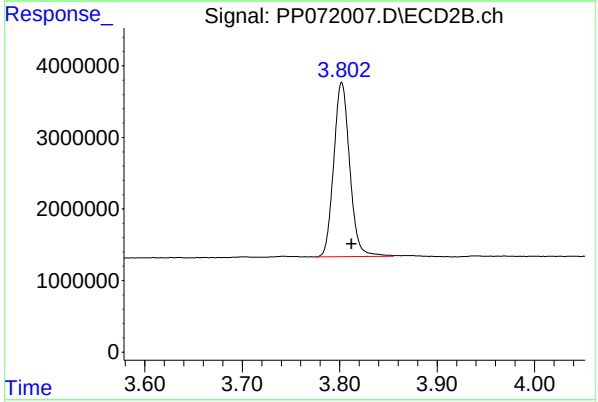
#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: -0.015 mi
Response: 33865232
Conc: 17.08 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK

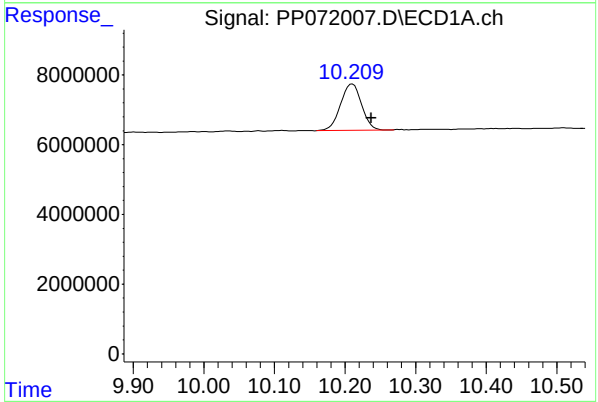
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025



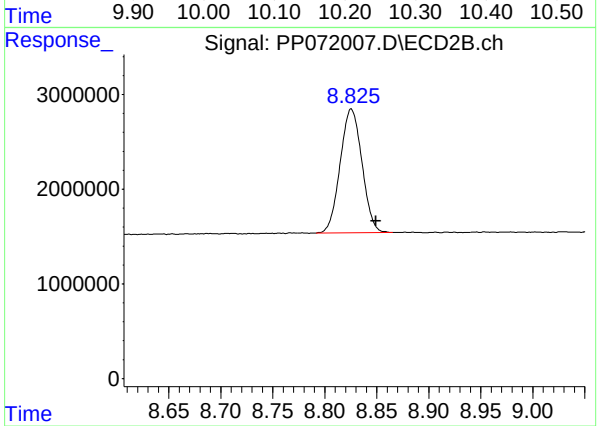
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.011 min
Response: 27738187
Conc: 19.69 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.028 min
Response: 27585584
Conc: 19.05 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 19082699
Conc: 21.76 ng/ml m

Raw Data: **PP072022.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:	05/13/25
Project:	Raymark Superfund Site	Date Received:	05/13/25
Client Sample ID:	PIBLK-PP072022.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PP072022.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
PP072022.D	1		05/13/25	pp051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.2		60 - 140		86%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		60 - 140		95%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:56:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.506	3.803	34135336	28018789	17.217	19.891
2)	SA Decachlor...	10.214	8.826	27461190	18621551	18.965	21.232m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

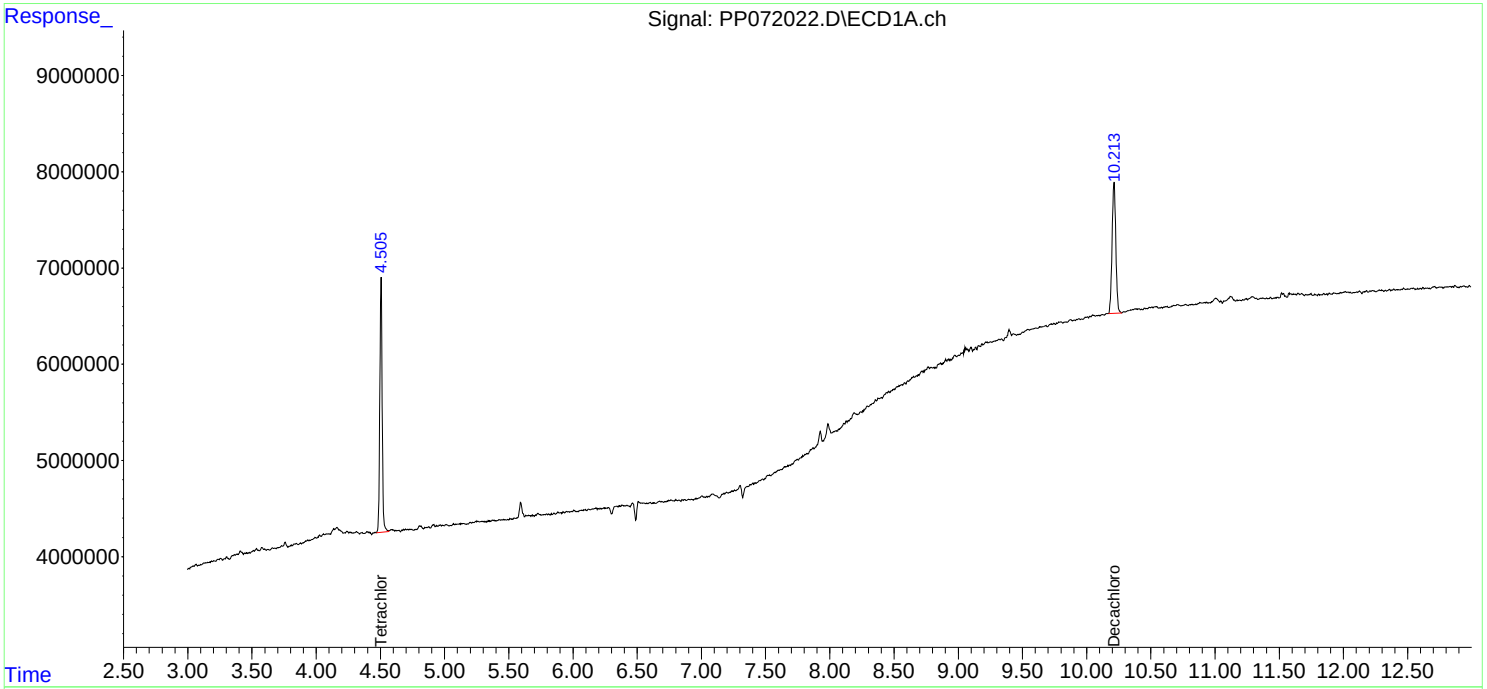
Instrument :
ECD_P
ClientSampleId :
I.BLK

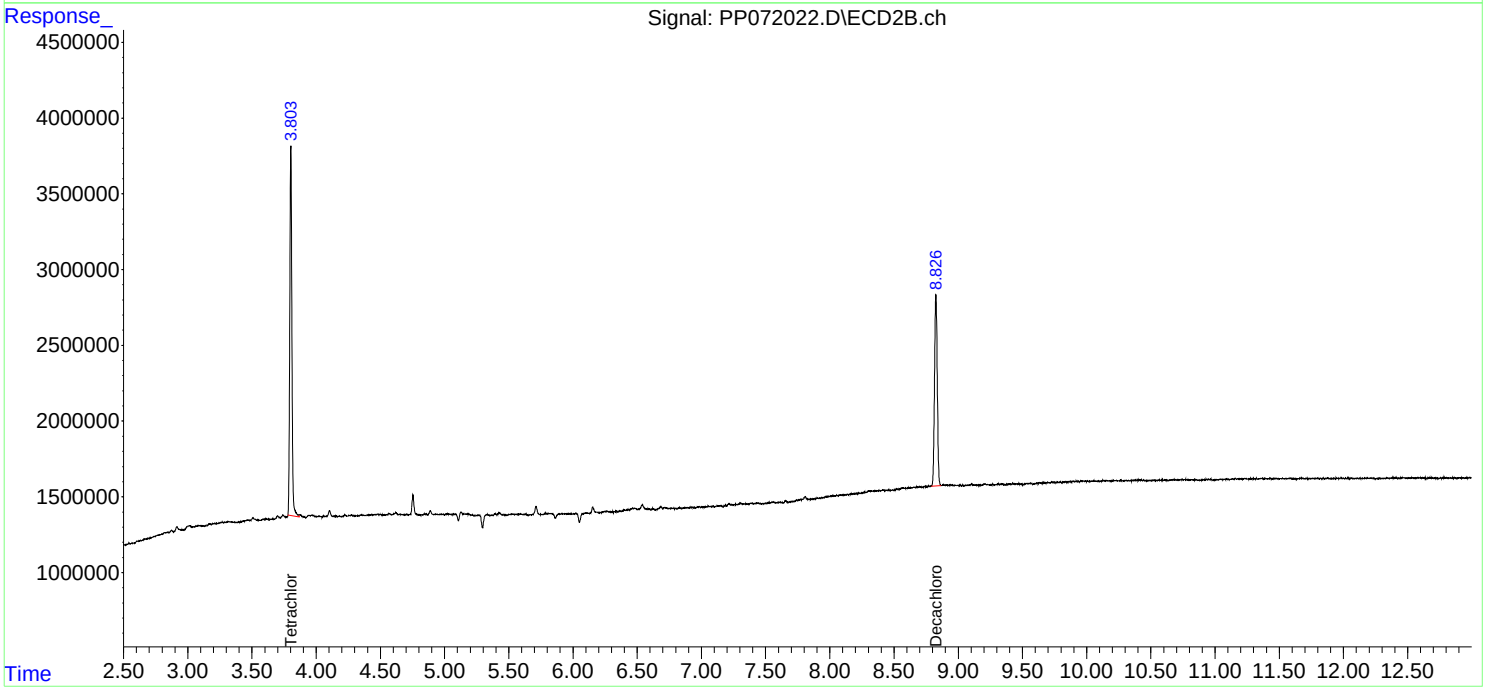
Manual Integrations APPROVED

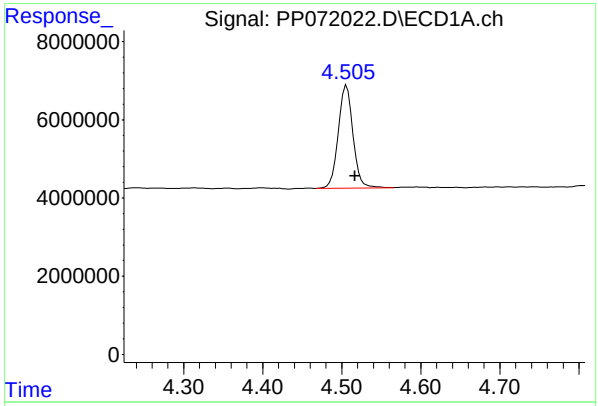
Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:56:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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







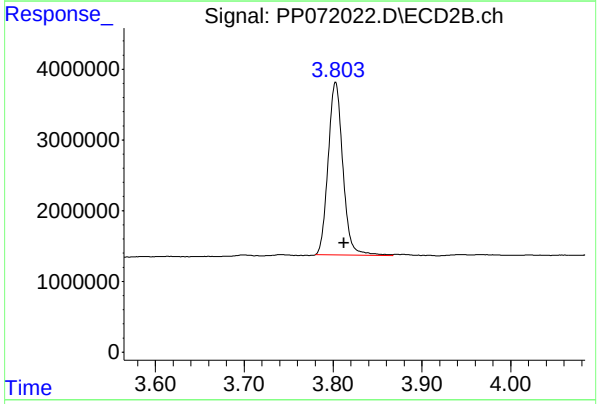
#1 Tetrachloro-m-xylene

R.T.: 4.506 min
Delta R.T.: -0.011 min
Response: 34135336
Conc: 17.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

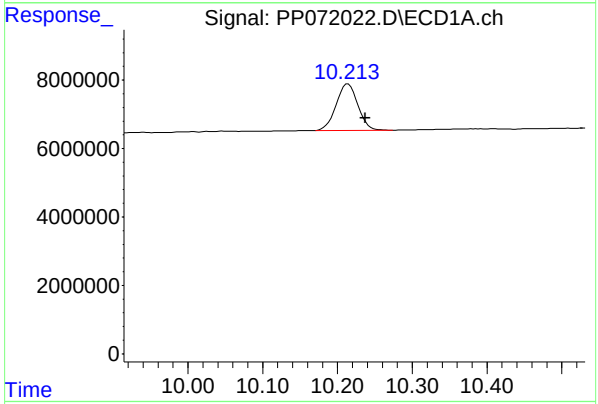
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/16/2025



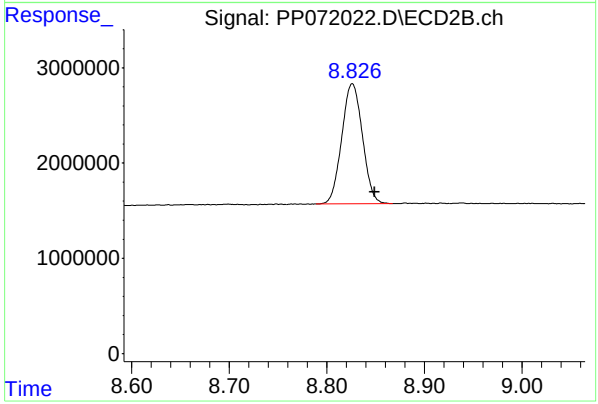
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.009 min
Response: 28018789
Conc: 19.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: -0.023 min
Response: 27461190
Conc: 18.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.826 min
Delta R.T.: -0.023 min
Response: 18621551
Conc: 21.23 ng/ml m

Raw Data: **PO111011.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:	PB167949BS	SDG No.:	Q1984
Lab Sample ID:	PB167949BS	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
PO111011.D	1	05/12/25 09:05	05/12/25 13:23	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	191		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	181		3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.4		44 - 130		107%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		60 - 125		112%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:23
Operator : YP/AJ
Sample : PB167949BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167949BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:51:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.683	3.680	118.9E6	103.6E6	20.787	21.383	
2)	SA Decachlor...	8.722	8.671	112.4E6	37918698	18.424	22.474	
	Target Compounds							
3)	L1 AR-1016-1	4.773	4.758	110.0E6	91630253	497.878	576.736	
4)	L1 AR-1016-2	4.792	4.776	156.3E6	133.0E6	504.031	581.807	
5)	L1 AR-1016-3	4.848	4.952	107.0E6	70603236	467.989	579.018	
6)	L1 AR-1016-4	4.968	4.994	85805257	57788779	513.211	573.523	
7)	L1 AR-1016-5	5.225	5.207	85018712	72938502	477.395	555.076	
31)	L7 AR-1260-1	6.264	6.237	161.2E6	128.4E6	484.498	581.497	
32)	L7 AR-1260-2	6.454	6.425	201.1E6	148.6E6	484.866	577.554	
33)	L7 AR-1260-3	6.821	6.577	154.8E6	136.4E6	439.531	585.022	#
34)	L7 AR-1260-4	7.080	7.047	133.6E6	89331734	439.214	490.575	
35)	L7 AR-1260-5	7.323	7.288	327.2E6	192.0E6	445.493	488.322	

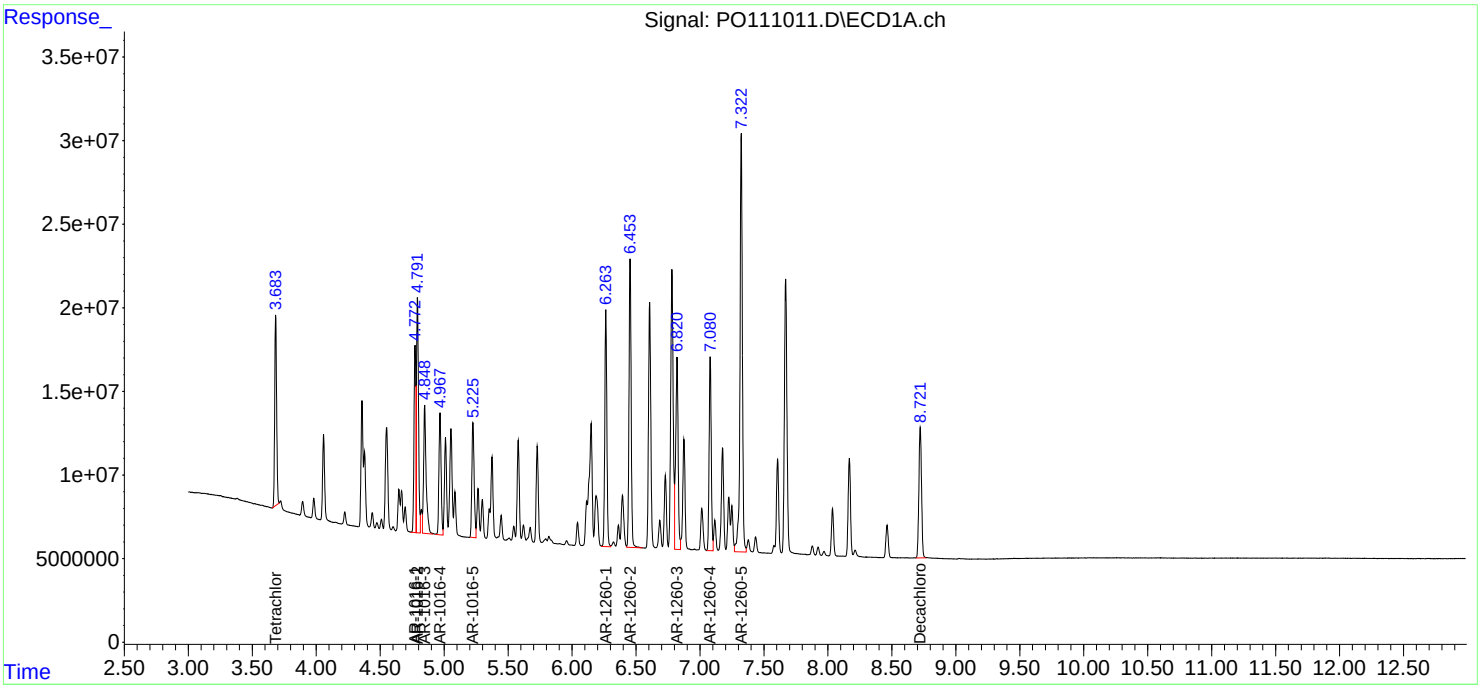
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

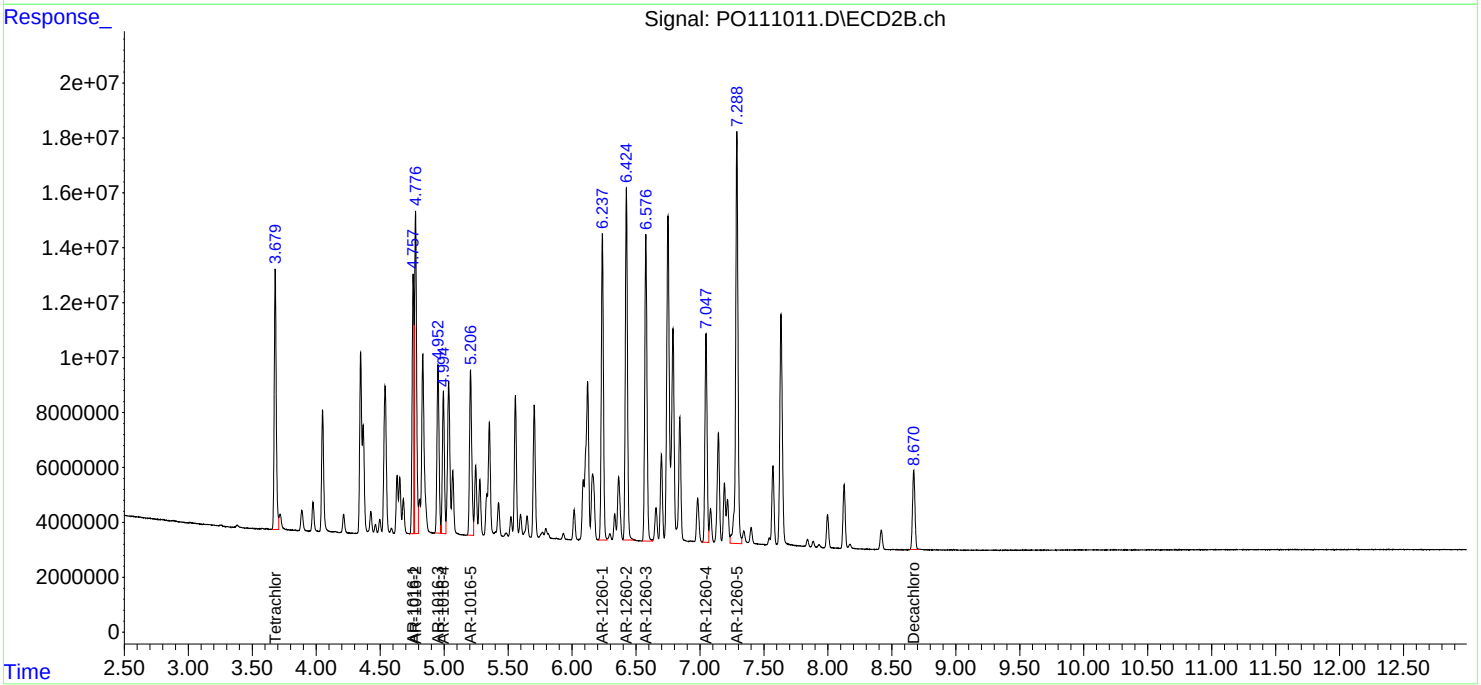
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:23
Operator : YP/AJ
Sample : PB167949BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

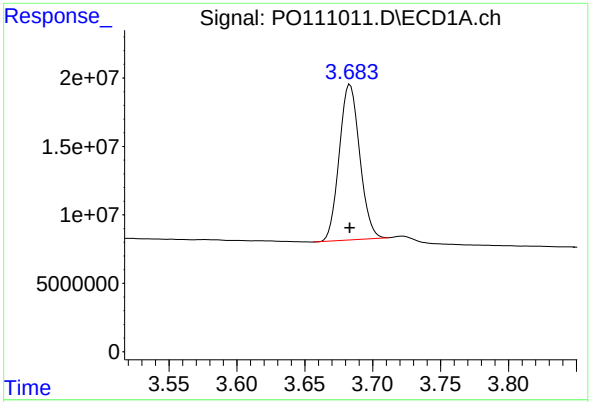
Instrument :
ECD_O
ClientSampleId :
PB167949BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:51:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



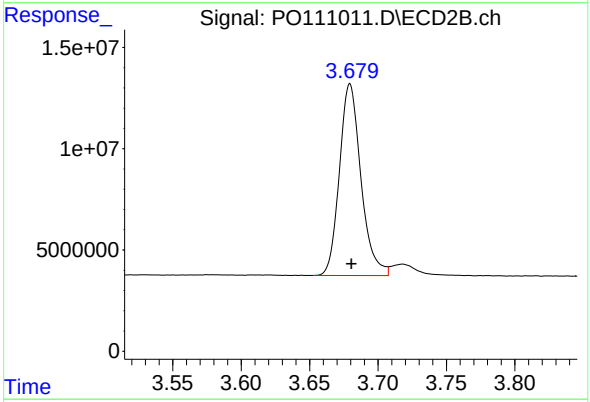




#1 Tetrachloro-m-xylene

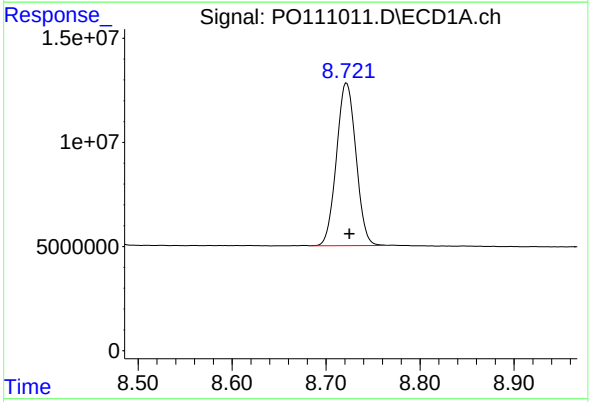
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 118919966
Conc: 20.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167949BS



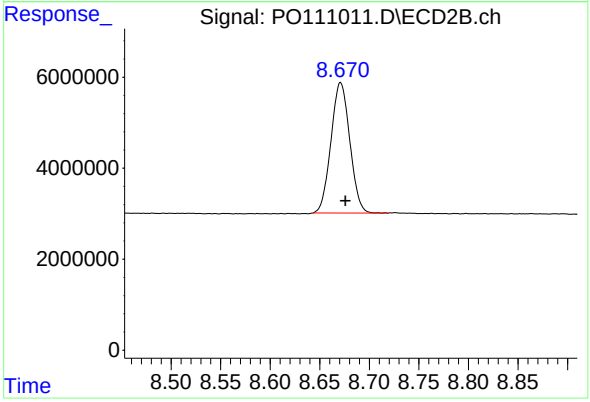
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 103560730
Conc: 21.38 ng/ml



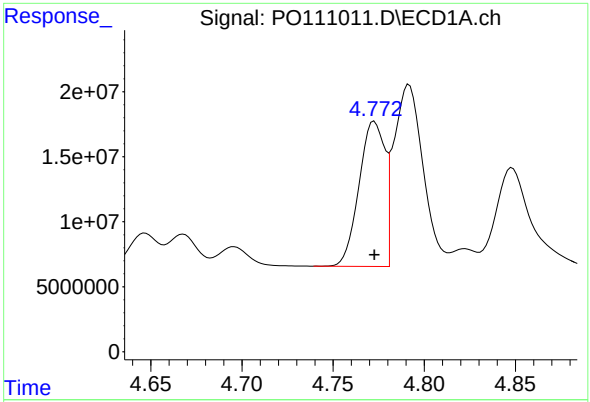
#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.003 min
Response: 112433173
Conc: 18.42 ng/ml



#2 Decachlorobiphenyl

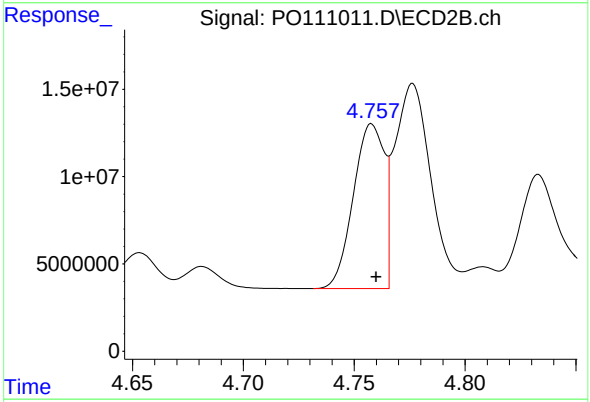
R.T.: 8.671 min
Delta R.T.: -0.005 min
Response: 37918698
Conc: 22.47 ng/ml



#3 AR-1016-1

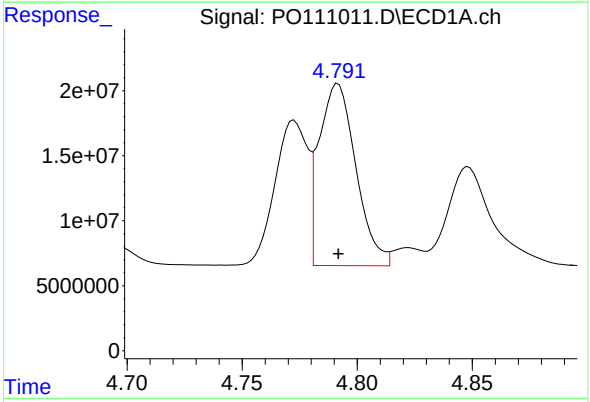
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 110038244
Conc: 497.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167949BS



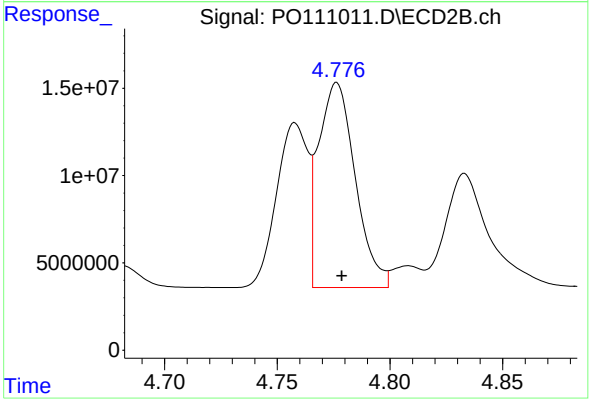
#3 AR-1016-1

R.T.: 4.758 min
Delta R.T.: -0.002 min
Response: 91630253
Conc: 576.74 ng/ml



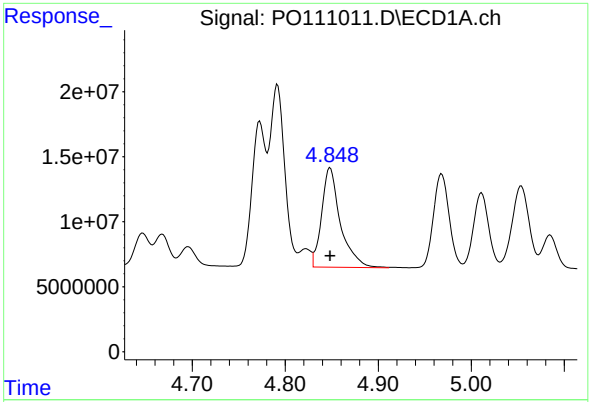
#4 AR-1016-2

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 156336388
Conc: 504.03 ng/ml



#4 AR-1016-2

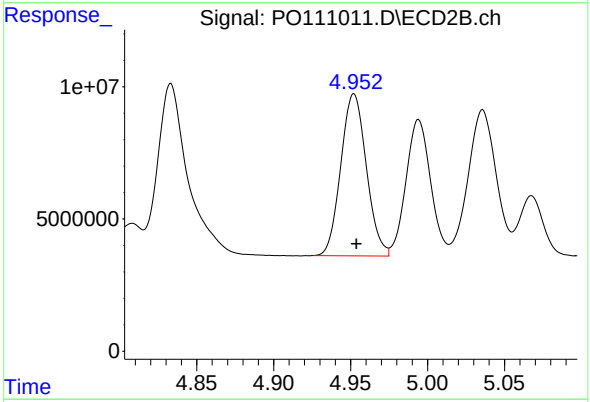
R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 132982201
Conc: 581.81 ng/ml



#5 AR-1016-3

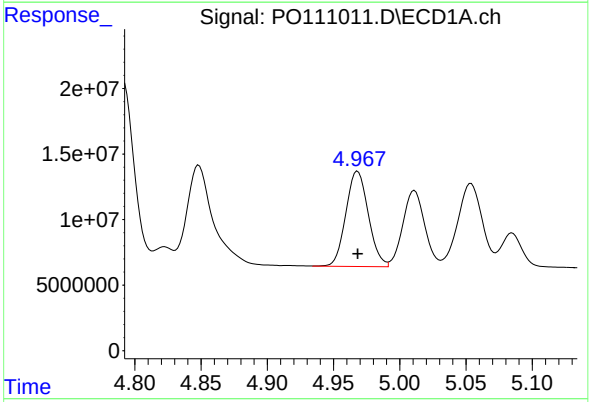
R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 107030085
Conc: 467.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167949BS



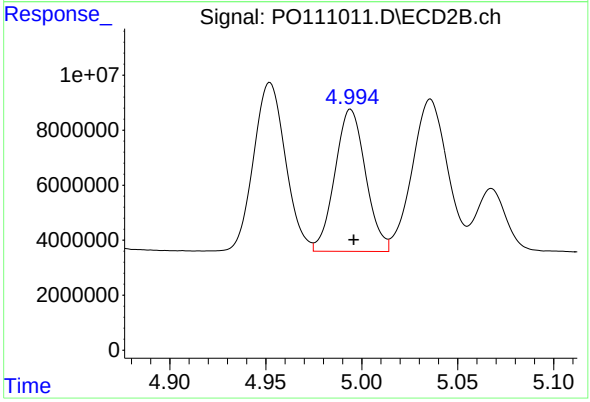
#5 AR-1016-3

R.T.: 4.952 min
Delta R.T.: -0.002 min
Response: 70603236
Conc: 579.02 ng/ml



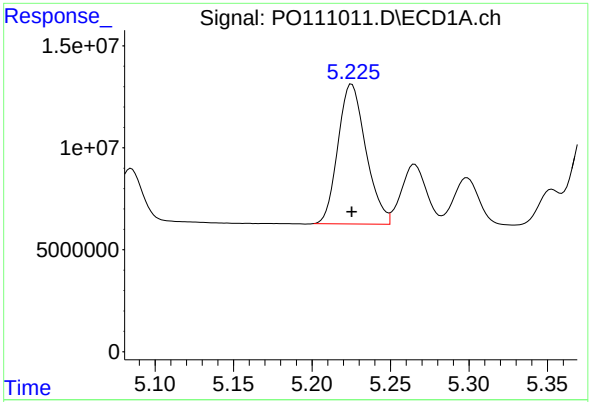
#6 AR-1016-4

R.T.: 4.968 min
Delta R.T.: 0.000 min
Response: 85805257
Conc: 513.21 ng/ml



#6 AR-1016-4

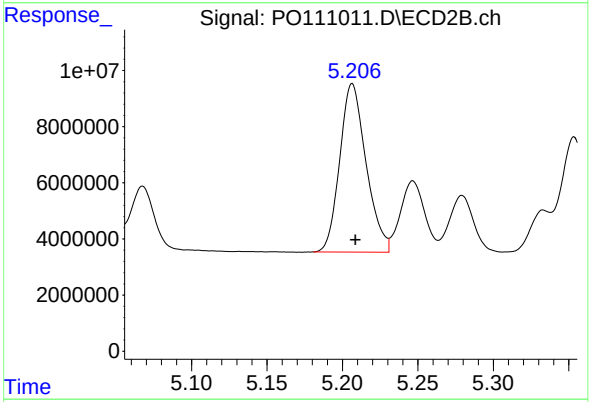
R.T.: 4.994 min
Delta R.T.: -0.002 min
Response: 57788779
Conc: 573.52 ng/ml



#7 AR-1016-5

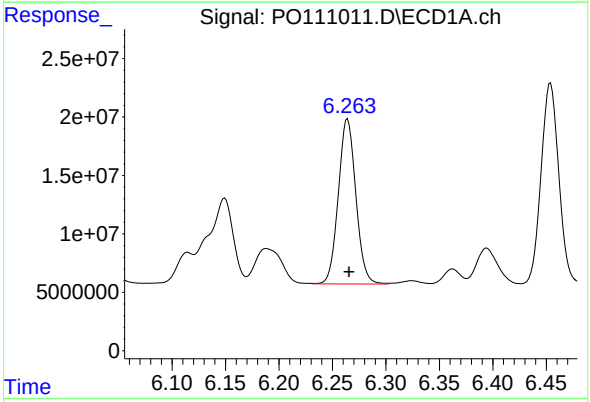
R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 85018712
Conc: 477.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167949BS



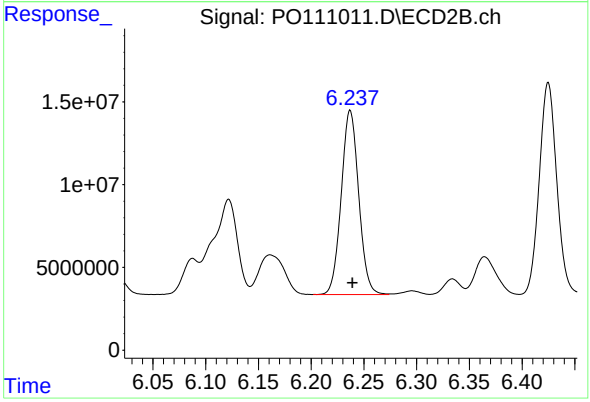
#7 AR-1016-5

R.T.: 5.207 min
Delta R.T.: -0.002 min
Response: 72938502
Conc: 555.08 ng/ml



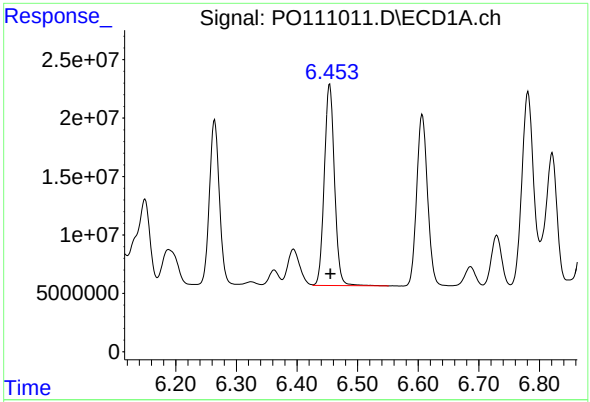
#31 AR-1260-1

R.T.: 6.264 min
Delta R.T.: -0.001 min
Response: 161155269
Conc: 484.50 ng/ml



#31 AR-1260-1

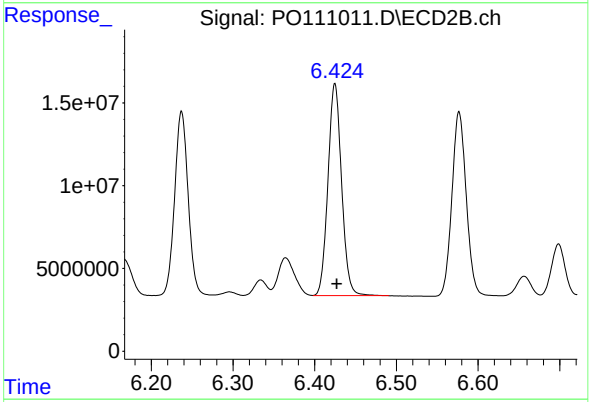
R.T.: 6.237 min
Delta R.T.: -0.002 min
Response: 128376718
Conc: 581.50 ng/ml



#32 AR-1260-2

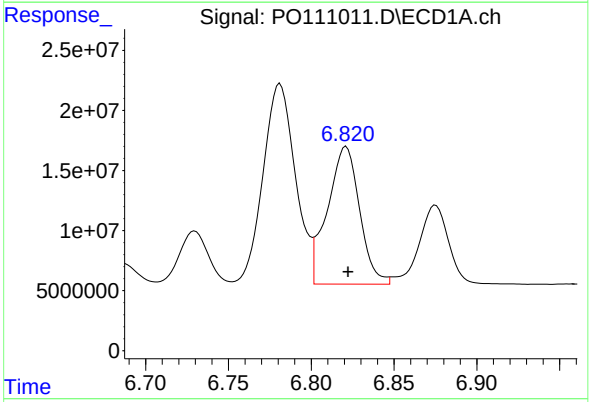
R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 201128661
Conc: 484.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167949BS



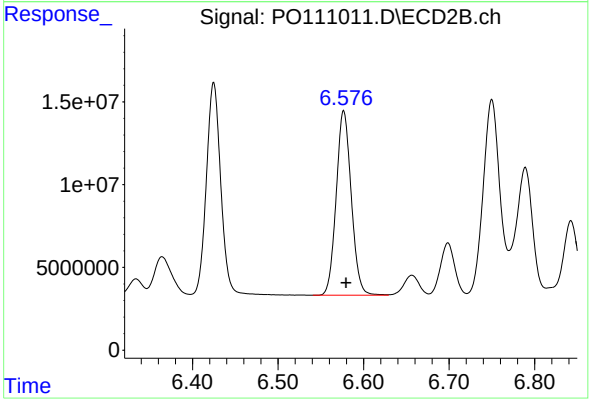
#32 AR-1260-2

R.T.: 6.425 min
Delta R.T.: -0.002 min
Response: 148563380
Conc: 577.55 ng/ml



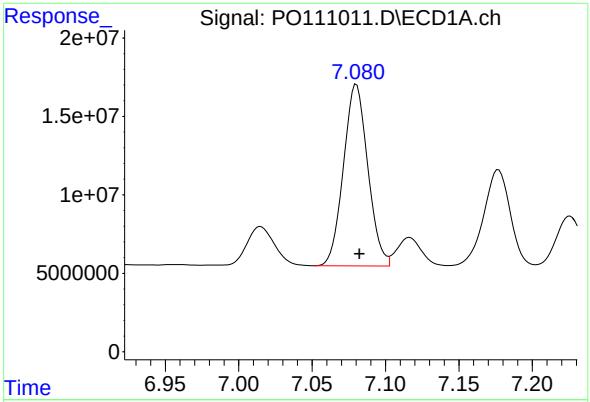
#33 AR-1260-3

R.T.: 6.821 min
Delta R.T.: -0.001 min
Response: 154831819
Conc: 439.53 ng/ml



#33 AR-1260-3

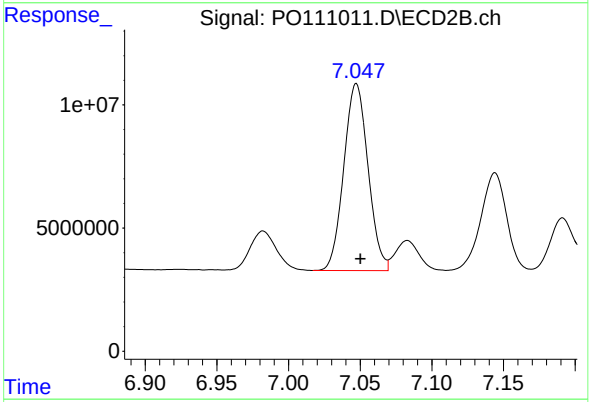
R.T.: 6.577 min
Delta R.T.: -0.003 min
Response: 136394101
Conc: 585.02 ng/ml



#34 AR-1260-4

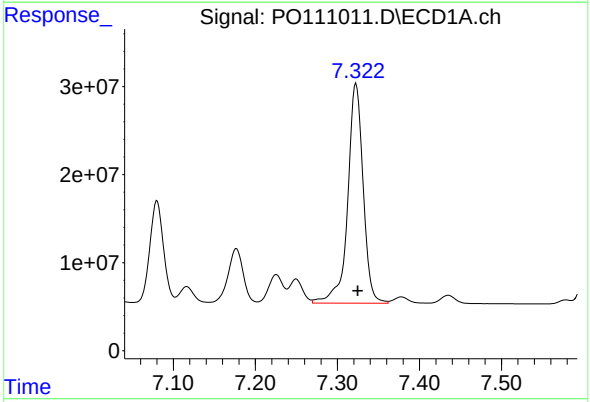
R.T.: 7.080 min
Delta R.T.: -0.002 min
Response: 133624763
Conc: 439.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167949BS



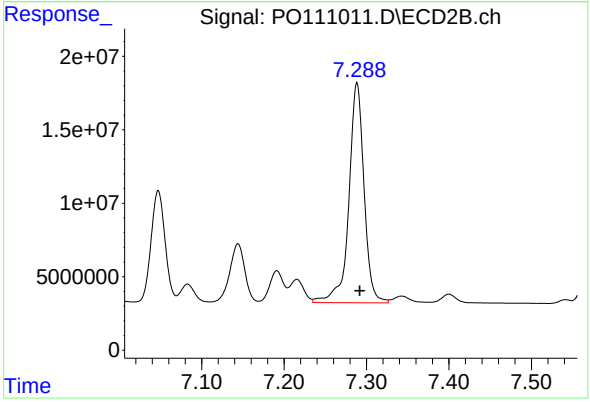
#34 AR-1260-4

R.T.: 7.047 min
Delta R.T.: -0.003 min
Response: 89331734
Conc: 490.58 ng/ml



#35 AR-1260-5

R.T.: 7.323 min
Delta R.T.: -0.002 min
Response: 327164263
Conc: 445.49 ng/ml



#35 AR-1260-5

R.T.: 7.288 min
Delta R.T.: -0.003 min
Response: 192005176
Conc: 488.32 ng/ml

Raw Data: **PO111033.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:	PB167972BS		SDG No.:	Q1984	
Lab Sample ID:	PB167972BS		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111033.D	1	05/13/25 08:30	05/13/25 13:42	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	170		3.90	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	4.00	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	8.30	U	3.70	8.30	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	4.00	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	5.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	8.30	U	3.20	8.30	17.0	ug/kg
37324-23-5	Aroclor-1262	13.0	U	5.00	13.0	17.0	ug/kg
11100-14-4	Aroclor-1268	8.30	U	3.60	8.30	17.0	ug/kg
11096-82-5	Aroclor-1260	161		3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.7		44 - 130		93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		60 - 125		100%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:42
Operator : YP/AJ
Sample : PB167972BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167972BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.684	3.680	105.8E6	90473919	18.492	18.681	
2)	SA Decachlor...	8.722	8.672	99783768	33883666	16.351	20.082	
	Target Compounds							
3)	L1 AR-1016-1	4.773	4.758	98069941	81945722	443.727	515.780	
4)	L1 AR-1016-2	4.791	4.777	142.3E6	117.8E6	458.656	515.527	
5)	L1 AR-1016-3	4.848	4.952	96911891	62716139	423.747	514.336	
6)	L1 AR-1016-4	4.969	4.994	76915253	51404965	460.039	510.167	
7)	L1 AR-1016-5	5.226	5.207	76504759	64905074	429.588	493.940	
31)	L7 AR-1260-1	6.265	6.237	145.1E6	113.6E6	436.191	514.625	
32)	L7 AR-1260-2	6.455	6.425	179.0E6	131.8E6	431.504	512.209	
33)	L7 AR-1260-3	6.821	6.577	136.3E6	121.0E6	386.821	519.195	#
34)	L7 AR-1260-4	7.081	7.048	119.0E6	79508707	391.256	436.631	
35)	L7 AR-1260-5	7.323	7.289	289.1E6	171.0E6	393.713	434.797	

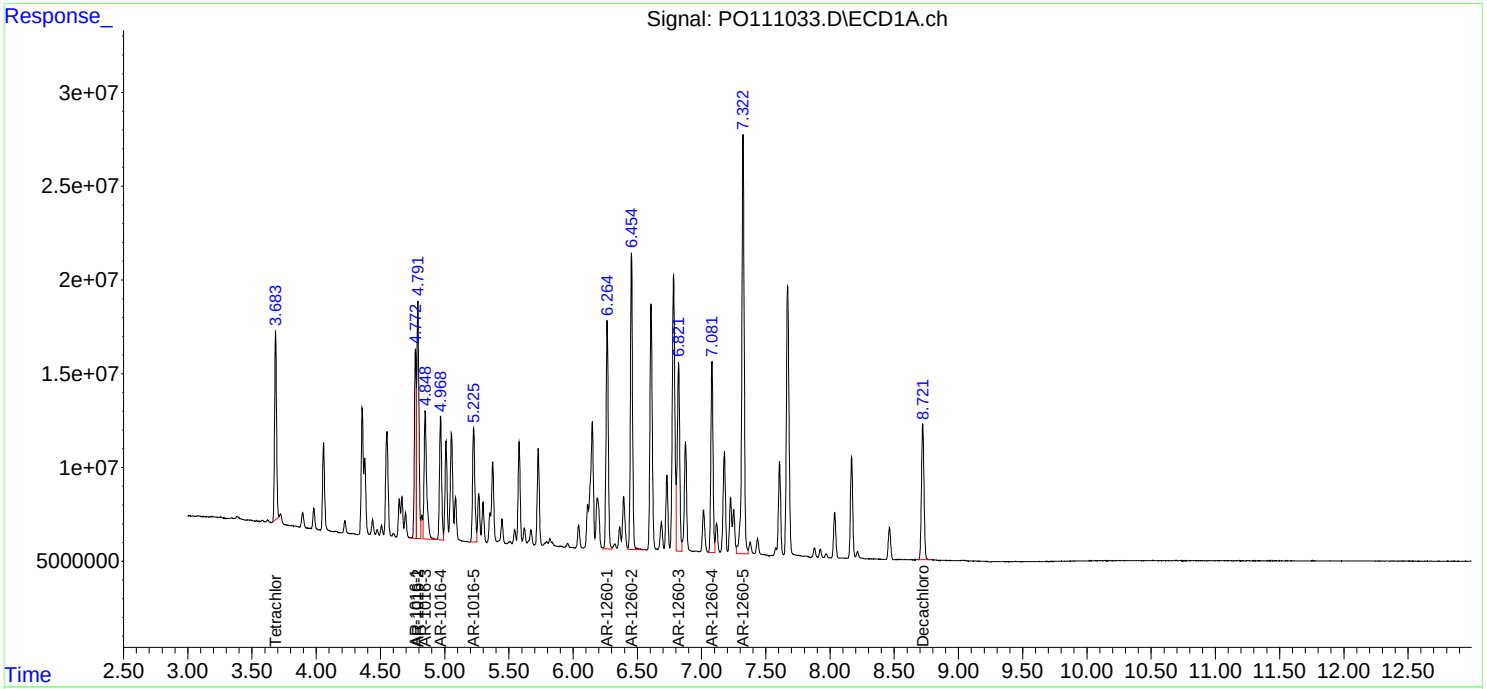
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

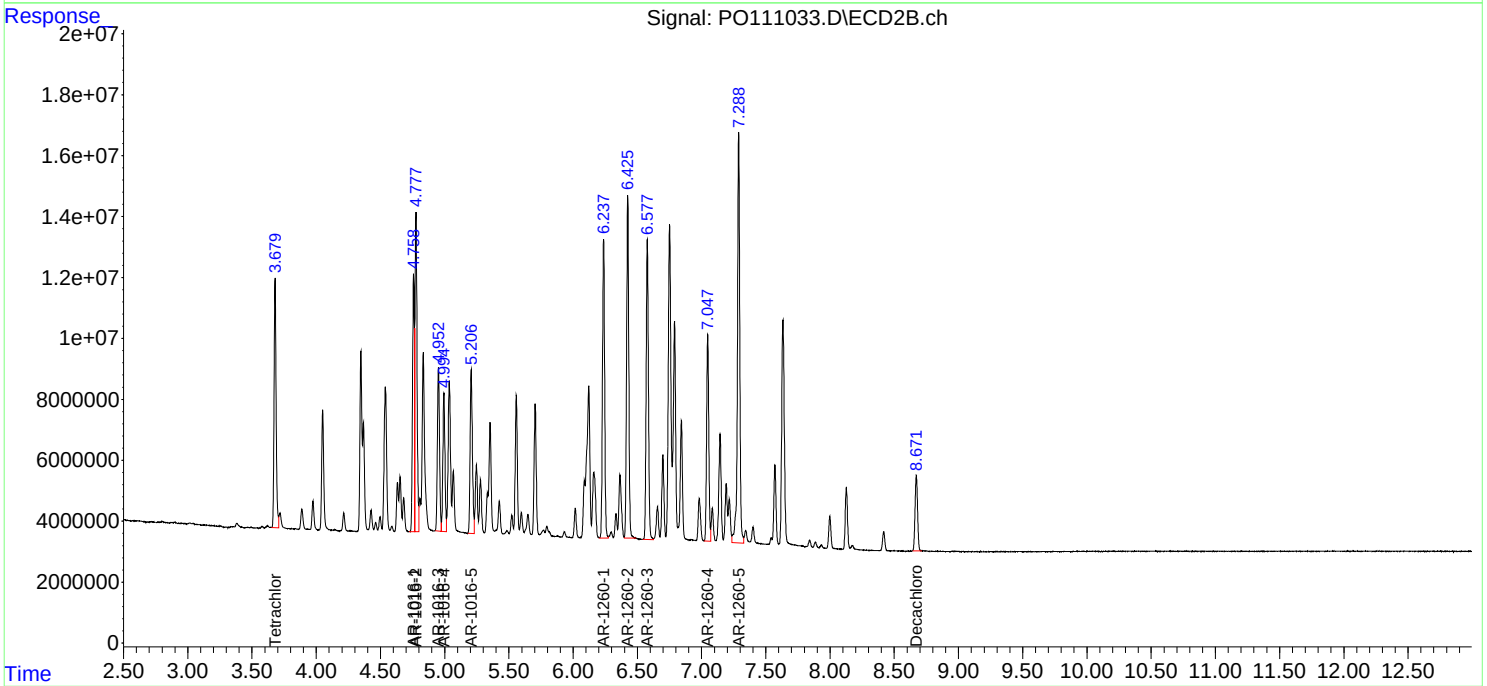
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:42
Operator : YP/AJ
Sample : PB167972BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

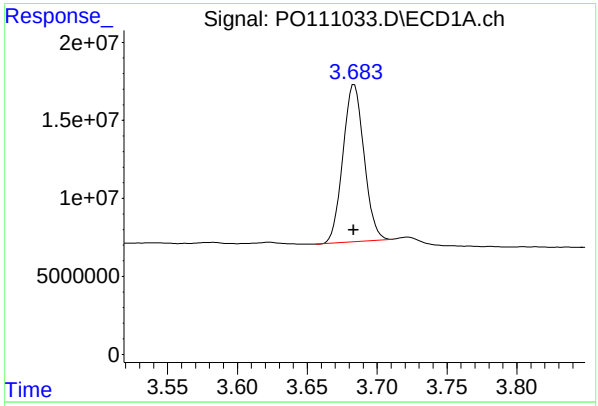
Instrument :
ECD_O
ClientSampleId :
PB167972BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:20:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



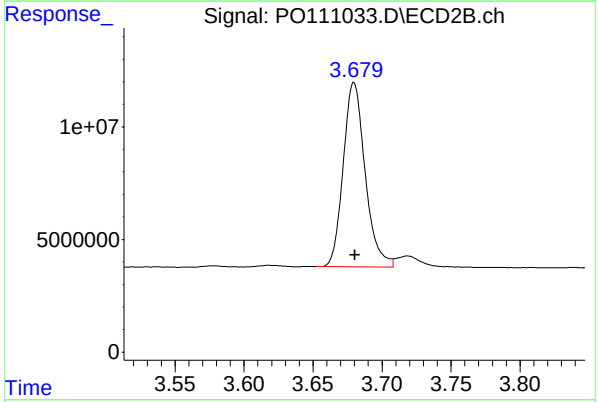




#1 Tetrachloro-m-xylene

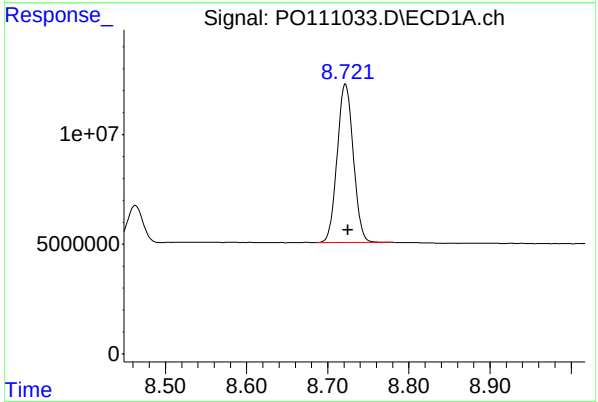
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 105786778
Conc: 18.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167972BS



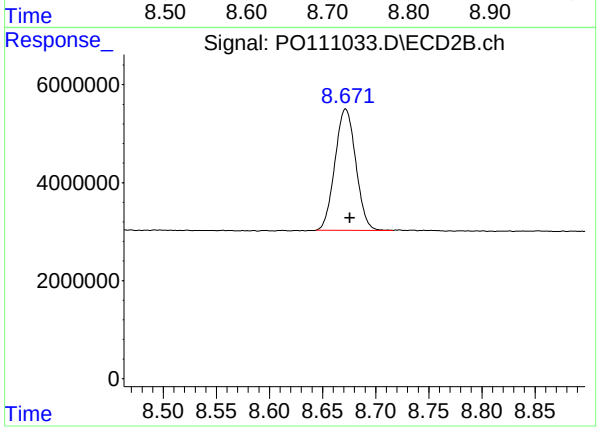
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 90473919
Conc: 18.68 ng/ml



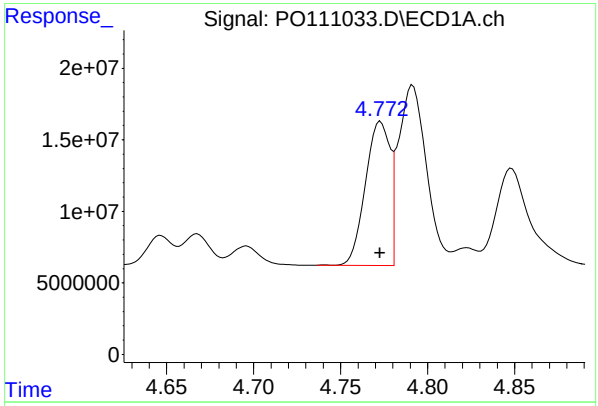
#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.003 min
Response: 99783768
Conc: 16.35 ng/ml



#2 Decachlorobiphenyl

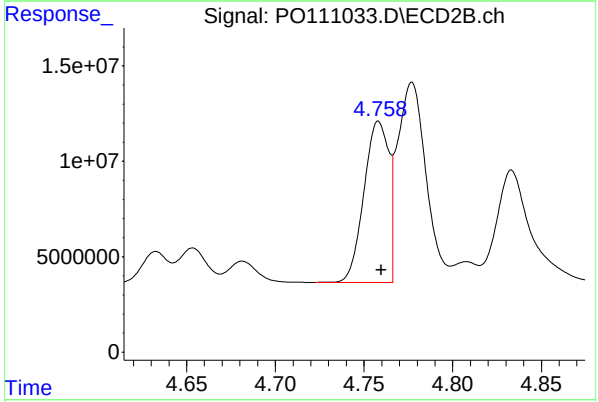
R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 33883666
Conc: 20.08 ng/ml



#3 AR-1016-1

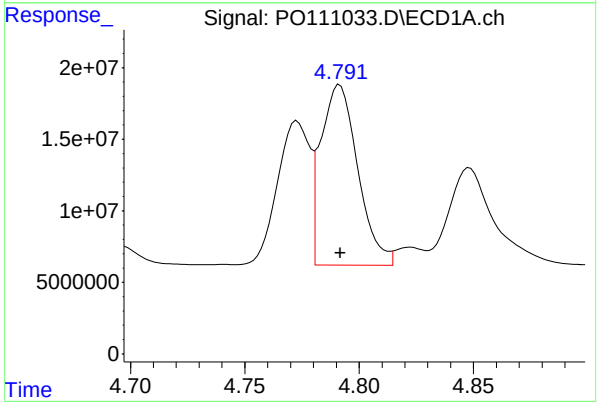
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 98069941
Conc: 443.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167972BS



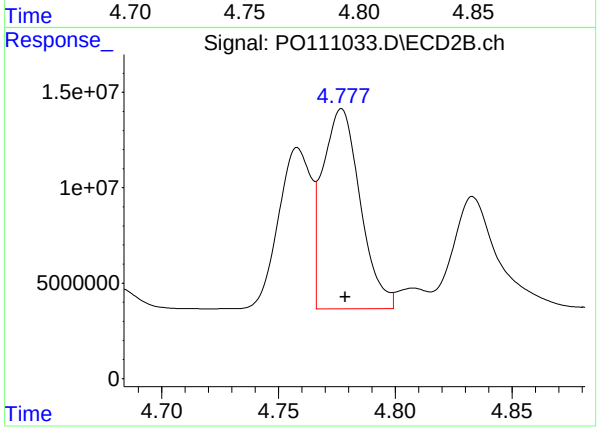
#3 AR-1016-1

R.T.: 4.758 min
Delta R.T.: -0.002 min
Response: 81945722
Conc: 515.78 ng/ml



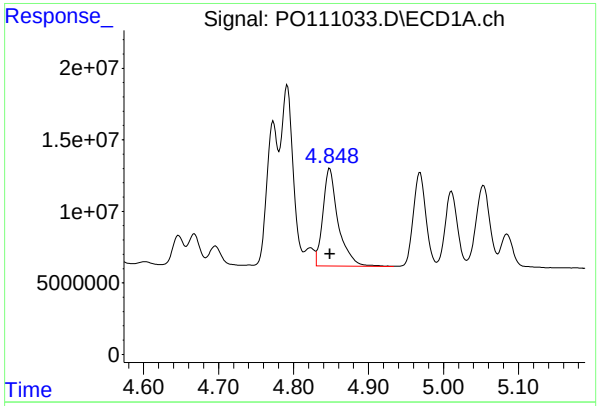
#4 AR-1016-2

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 142262355
Conc: 458.66 ng/ml



#4 AR-1016-2

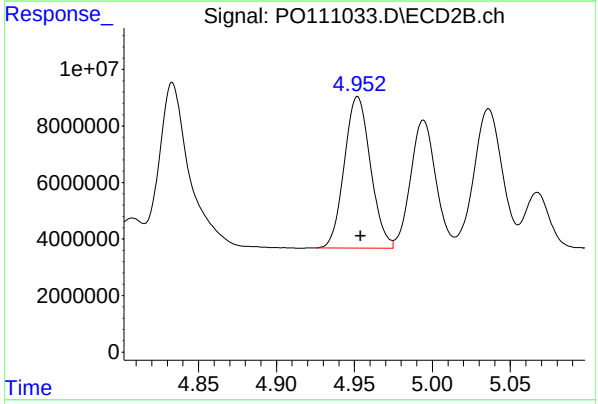
R.T.: 4.777 min
Delta R.T.: -0.002 min
Response: 117832661
Conc: 515.53 ng/ml



#5 AR-1016-3

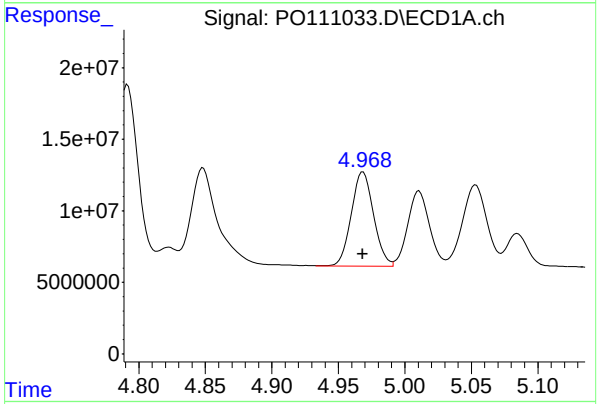
R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 96911891
Conc: 423.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167972BS



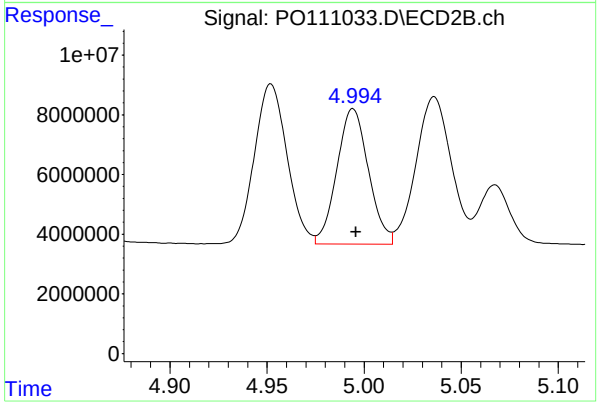
#5 AR-1016-3

R.T.: 4.952 min
Delta R.T.: -0.002 min
Response: 62716139
Conc: 514.34 ng/ml



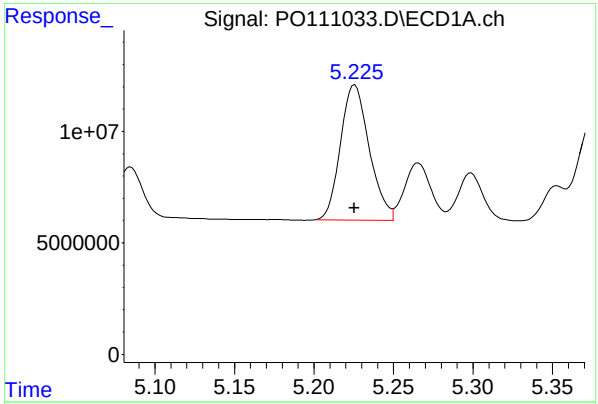
#6 AR-1016-4

R.T.: 4.969 min
Delta R.T.: 0.000 min
Response: 76915253
Conc: 460.04 ng/ml



#6 AR-1016-4

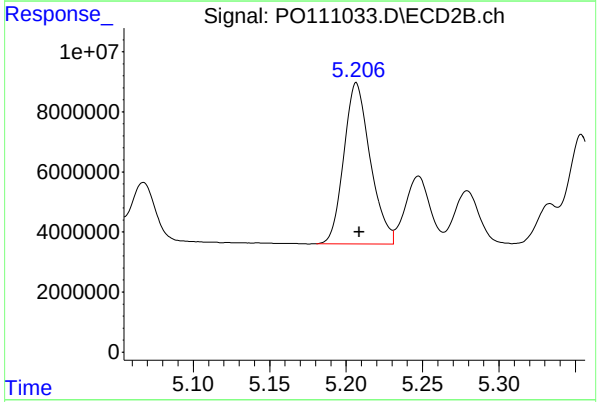
R.T.: 4.994 min
Delta R.T.: -0.002 min
Response: 51404965
Conc: 510.17 ng/ml



#7 AR-1016-5

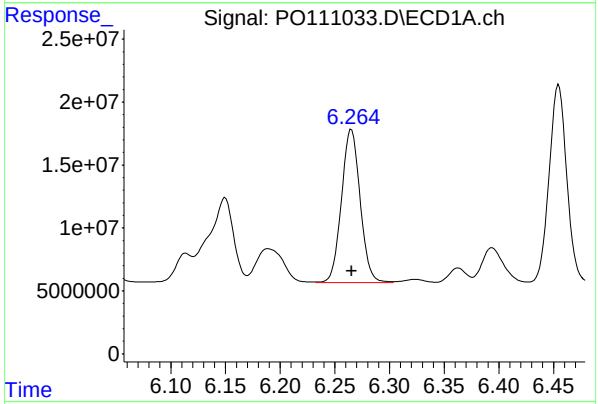
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 76504759
Conc: 429.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167972BS



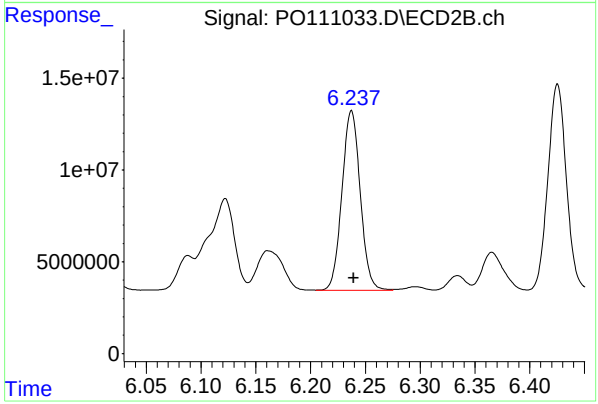
#7 AR-1016-5

R.T.: 5.207 min
Delta R.T.: -0.002 min
Response: 64905074
Conc: 493.94 ng/ml



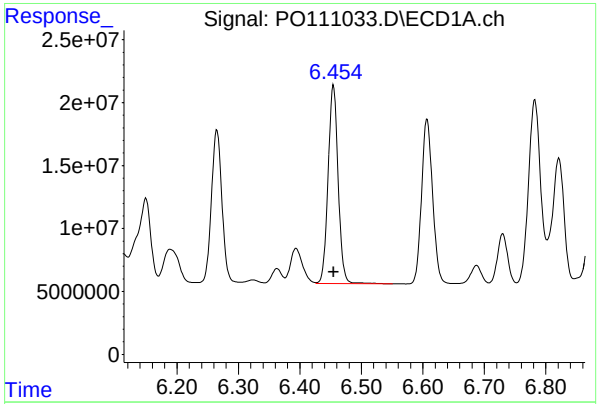
#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 145087162
Conc: 436.19 ng/ml



#31 AR-1260-1

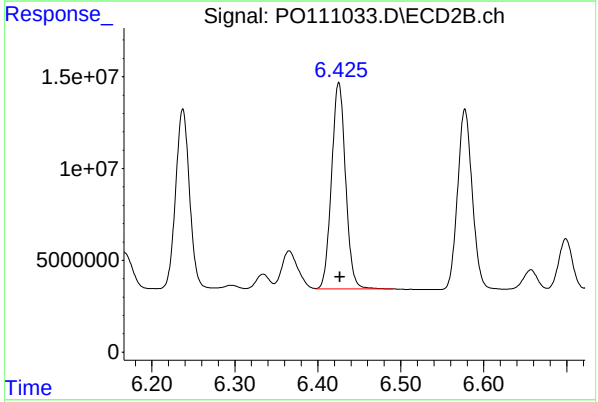
R.T.: 6.237 min
Delta R.T.: -0.002 min
Response: 113613335
Conc: 514.62 ng/ml



#32 AR-1260-2

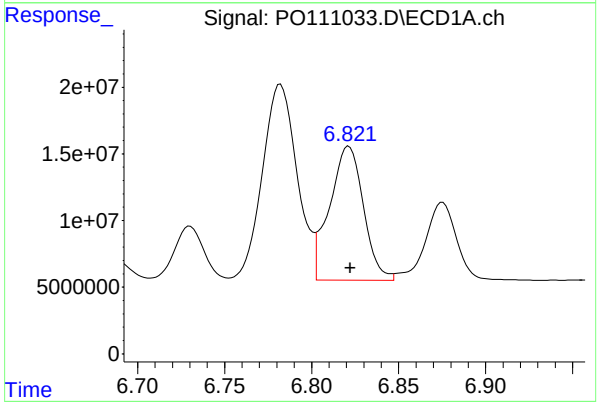
R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 178993466
Conc: 431.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167972BS



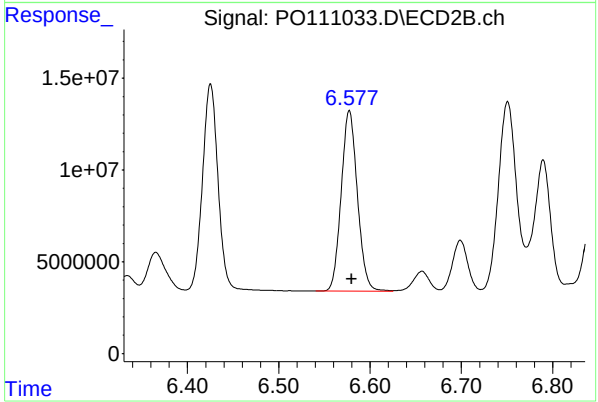
#32 AR-1260-2

R.T.: 6.425 min
Delta R.T.: -0.002 min
Response: 131754758
Conc: 512.21 ng/ml



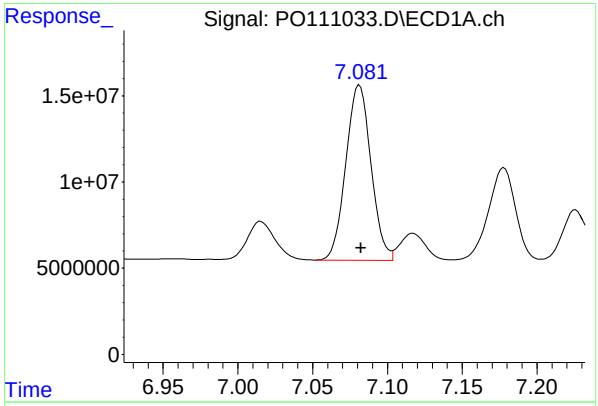
#33 AR-1260-3

R.T.: 6.821 min
Delta R.T.: 0.000 min
Response: 136264060
Conc: 386.82 ng/ml



#33 AR-1260-3

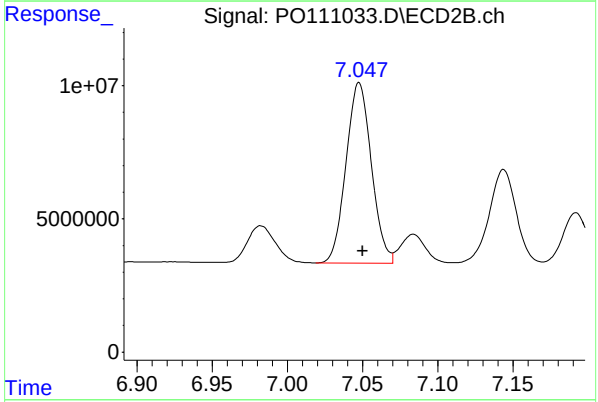
R.T.: 6.577 min
Delta R.T.: -0.002 min
Response: 121047170
Conc: 519.20 ng/ml



#34 AR-1260-4

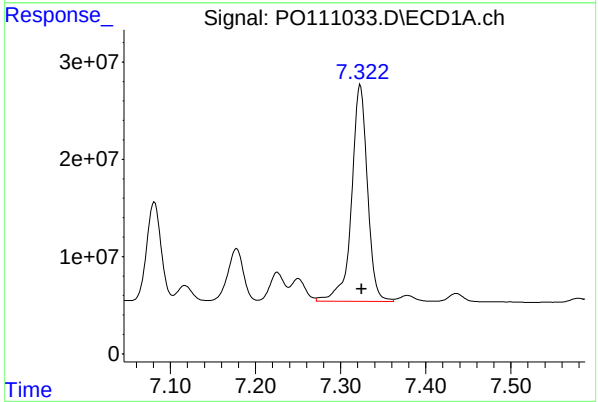
R.T.: 7.081 min
Delta R.T.: -0.001 min
Response: 119034263
Conc: 391.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB167972BS



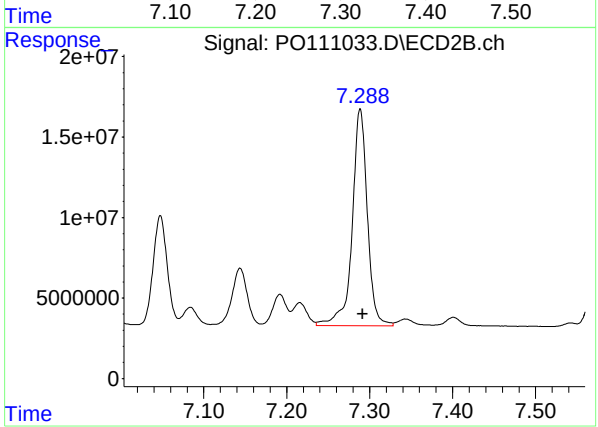
#34 AR-1260-4

R.T.: 7.048 min
Delta R.T.: -0.002 min
Response: 79508707
Conc: 436.63 ng/ml



#35 AR-1260-5

R.T.: 7.323 min
Delta R.T.: -0.001 min
Response: 289137532
Conc: 393.71 ng/ml



#35 AR-1260-5

R.T.: 7.289 min
Delta R.T.: -0.003 min
Response: 170959461
Conc: 434.80 ng/ml

Raw Data: **PO111018.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725MS	SDG No.:	Q1984
Lab Sample ID:	Q1984-11MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	60.1 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
PO111018.D	1	05/12/25 09:05	05/12/25 15:31	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	243		6.60	13.8	28.2	ug/kg
11104-28-2	Aroclor-1221	21.6	U	6.70	21.6	28.2	ug/kg
11141-16-5	Aroclor-1232	13.8	U	6.20	13.8	28.2	ug/kg
53469-21-9	Aroclor-1242	13.8	U	6.70	13.8	28.2	ug/kg
12672-29-6	Aroclor-1248	21.6	U	9.80	21.6	28.2	ug/kg
11097-69-1	Aroclor-1254	13.8	U	5.30	13.8	28.2	ug/kg
37324-23-5	Aroclor-1262	21.6	U	8.30	21.6	28.2	ug/kg
11100-14-4	Aroclor-1268	13.8	U	6.00	13.8	28.2	ug/kg
11096-82-5	Aroclor-1260	185		5.40	13.8	28.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	15.3		44 - 130		77%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.8	*	60 - 125		54%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:31
Operator : YP/AJ
Sample : Q1984-11MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:53:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.681	85787688	74153153	14.996	15.311
2)	SA Decachlor...	8.724	8.673	46546937	18173791	7.628	10.771 #
	Target Compounds						
3)	L1 AR-1016-1	4.773	4.759	80224034	69182485	362.981	435.446
4)	L1 AR-1016-2	4.793	4.778	117.7E6	101.0E6	379.367	442.069
5)	L1 AR-1016-3	4.849	4.953	85089588	54904116	372.054	450.269
6)	L1 AR-1016-4	4.969	4.995	66042103	44558440	395.006	442.219
7)	L1 AR-1016-5	5.227	5.207	64959394	55504046	364.759	422.397
31)	L7 AR-1260-1	6.266	6.238	104.0E6	83226389	312.717	376.984
32)	L7 AR-1260-2	6.455	6.426	118.2E6	91081170	284.890	354.087
33)	L7 AR-1260-3	6.822	6.578	87870684	85379646	249.444	366.210 #
34)	L7 AR-1260-4	7.082	7.049	75339458	52846674	247.635	290.214
35)	L7 AR-1260-5	7.325	7.290	177.1E6	110.2E6	241.181	280.381

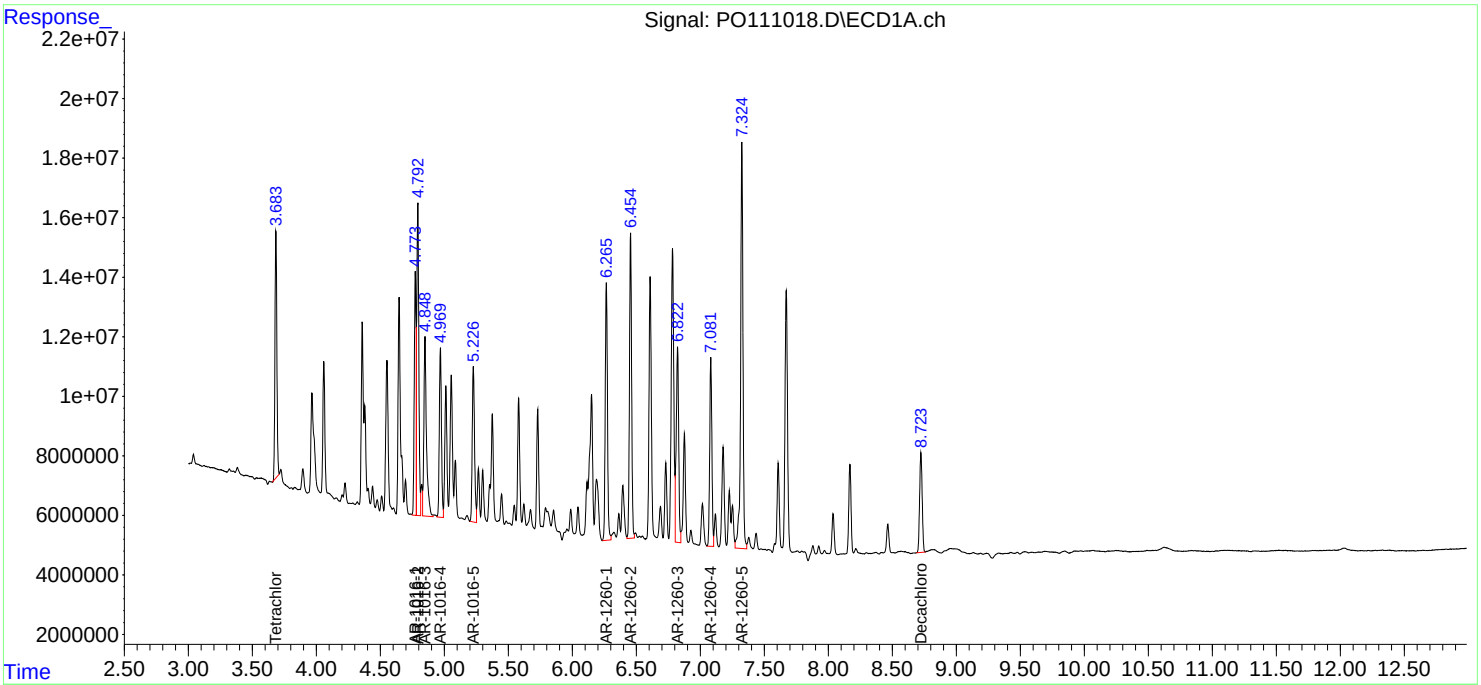
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

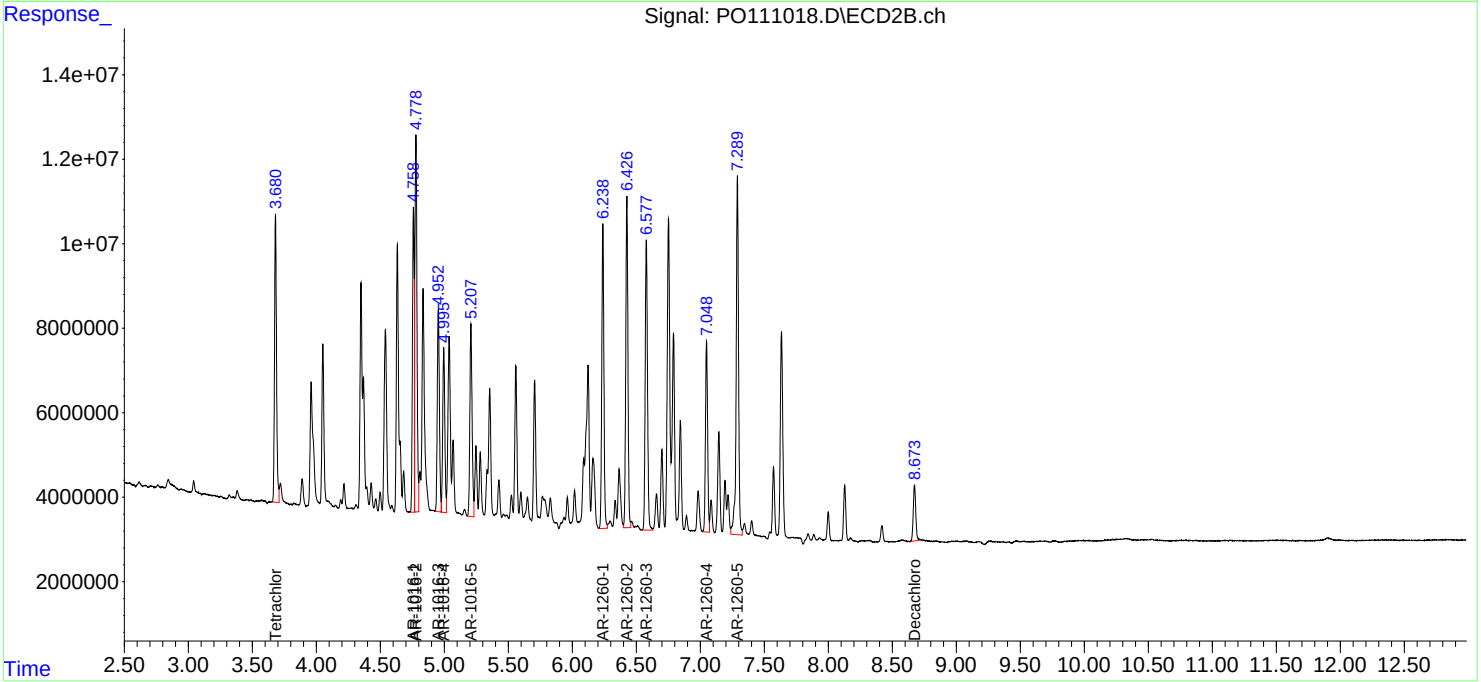
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:31
Operator : YP/AJ
Sample : Q1984-11MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

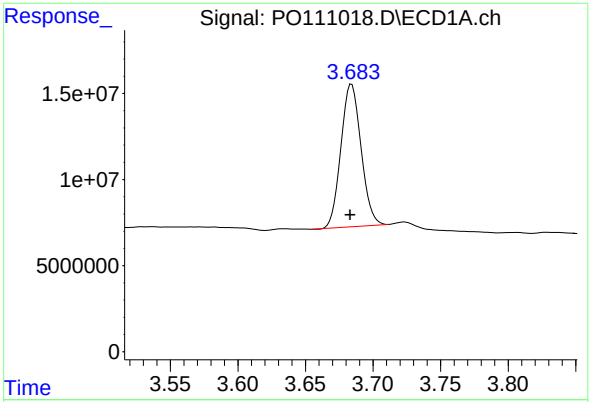
Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:53:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



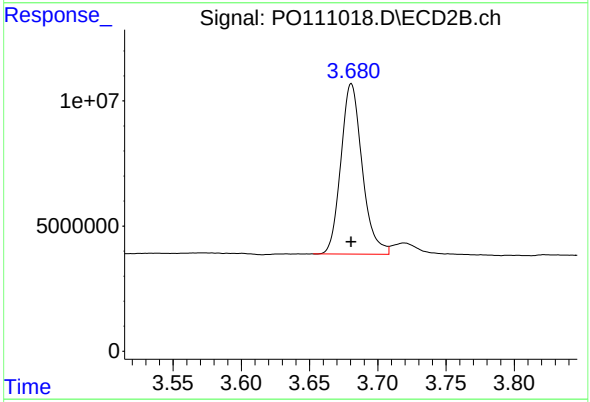




#1 Tetrachloro-m-xylene

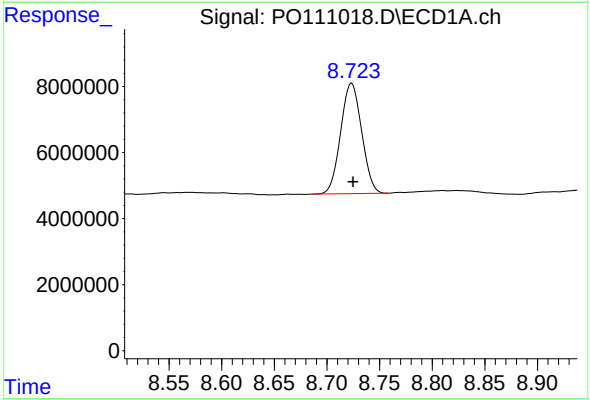
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 85787688
Conc: 15.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MS



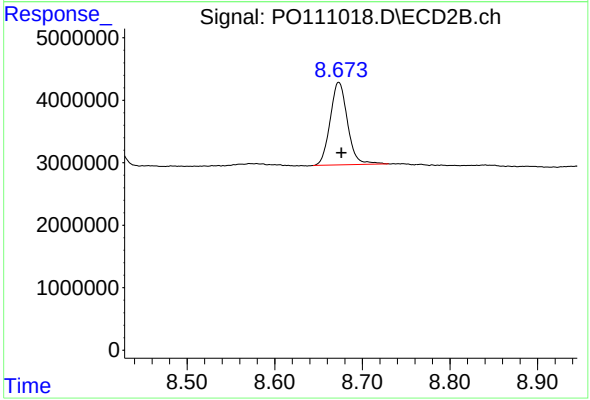
#1 Tetrachloro-m-xylene

R.T.: 3.681 min
Delta R.T.: 0.000 min
Response: 74153153
Conc: 15.31 ng/ml



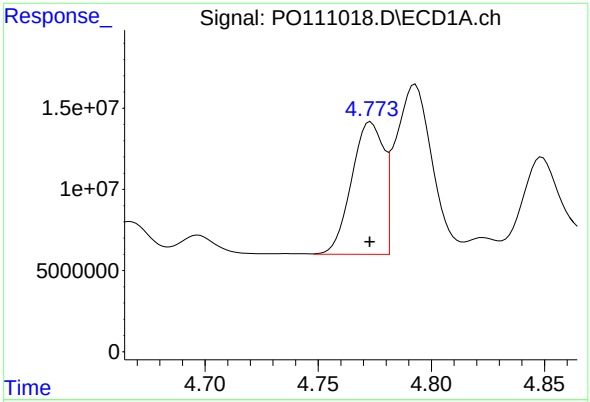
#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.001 min
Response: 46546937
Conc: 7.63 ng/ml



#2 Decachlorobiphenyl

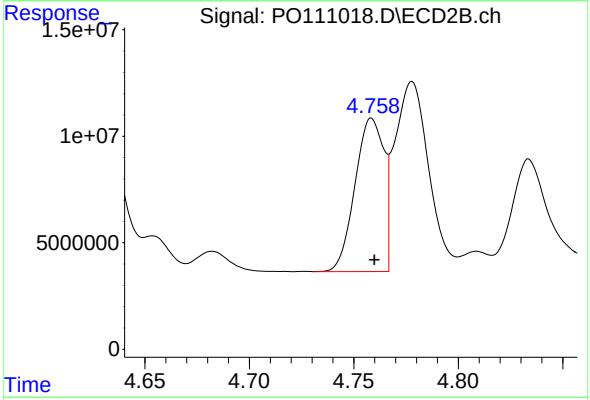
R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 18173791
Conc: 10.77 ng/ml



#3 AR-1016-1

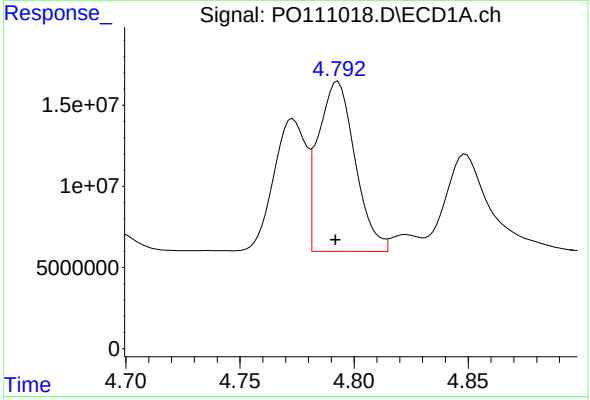
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 80224034
Conc: 362.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MS



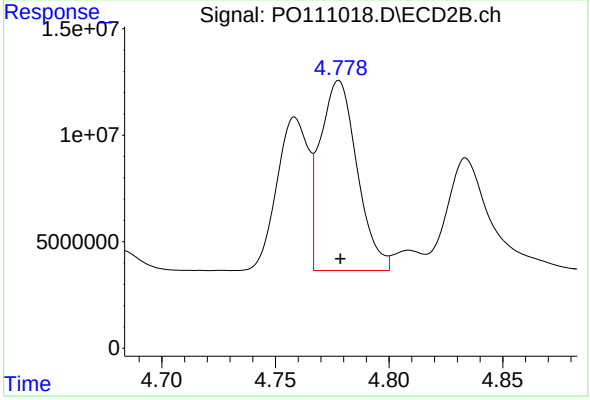
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: -0.001 min
Response: 69182485
Conc: 435.45 ng/ml



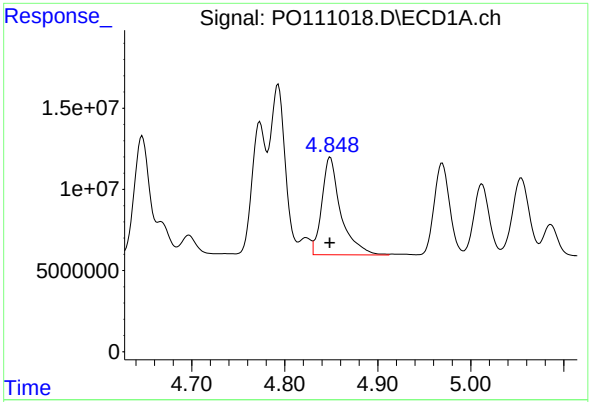
#4 AR-1016-2

R.T.: 4.793 min
Delta R.T.: 0.001 min
Response: 117668941
Conc: 379.37 ng/ml



#4 AR-1016-2

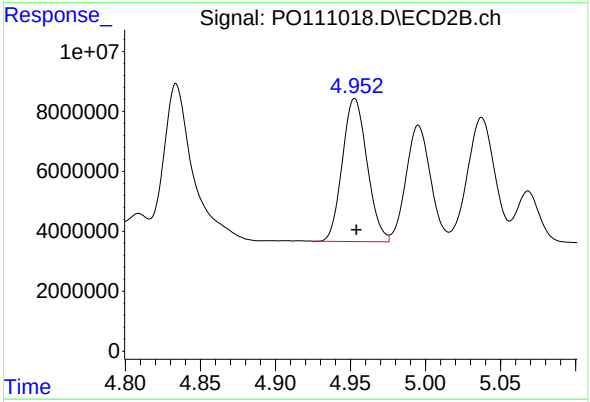
R.T.: 4.778 min
Delta R.T.: 0.000 min
Response: 101042591
Conc: 442.07 ng/ml



#5 AR-1016-3

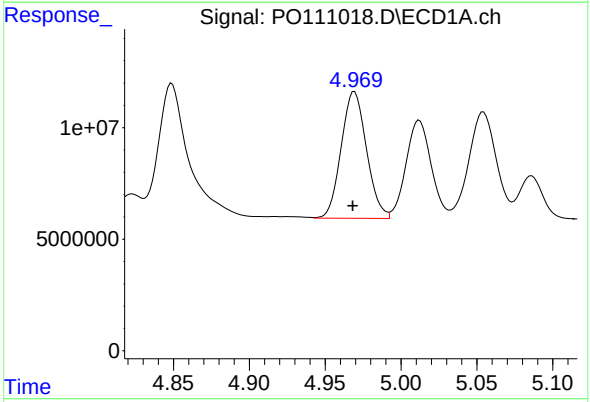
R.T.: 4.849 min
Delta R.T.: 0.000 min
Response: 85089588
Conc: 372.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MS



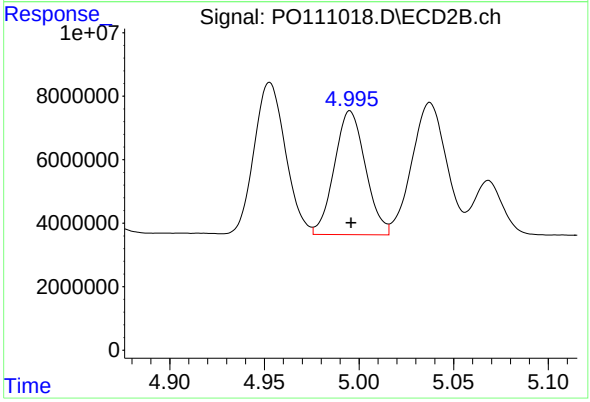
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: -0.001 min
Response: 54904116
Conc: 450.27 ng/ml



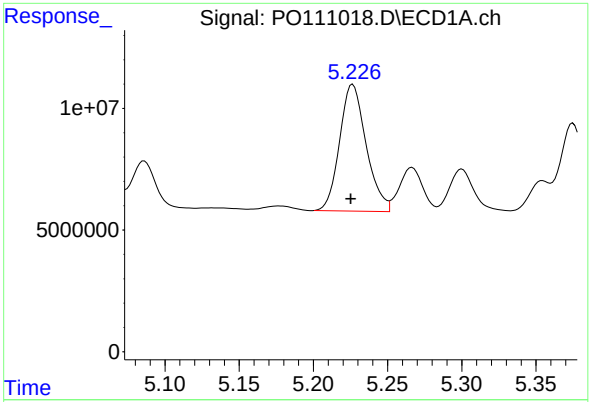
#6 AR-1016-4

R.T.: 4.969 min
Delta R.T.: 0.001 min
Response: 66042103
Conc: 395.01 ng/ml



#6 AR-1016-4

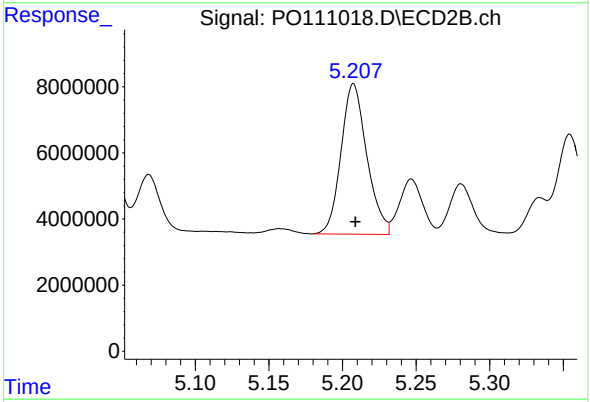
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 44558440
Conc: 442.22 ng/ml



#7 AR-1016-5

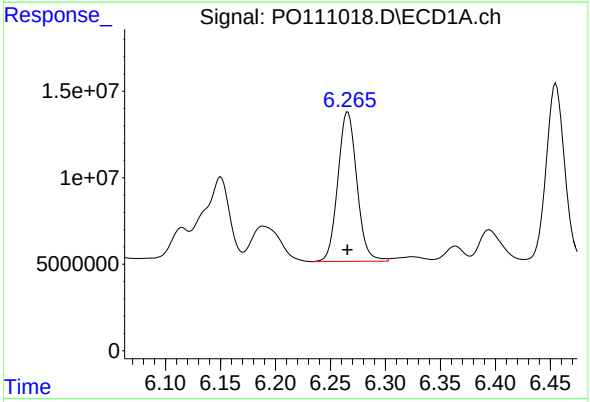
R.T.: 5.227 min
Delta R.T.: 0.001 min
Response: 64959394
Conc: 364.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MS



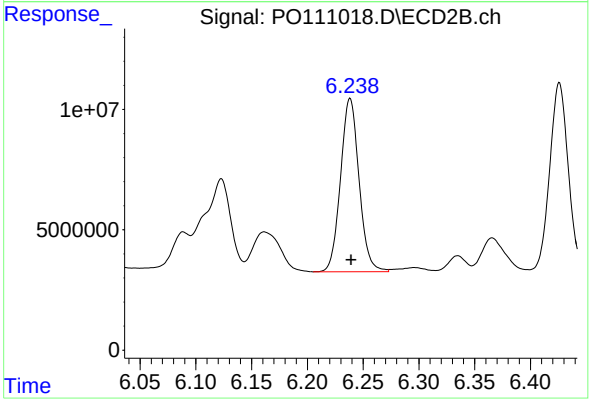
#7 AR-1016-5

R.T.: 5.207 min
Delta R.T.: -0.001 min
Response: 55504046
Conc: 422.40 ng/ml



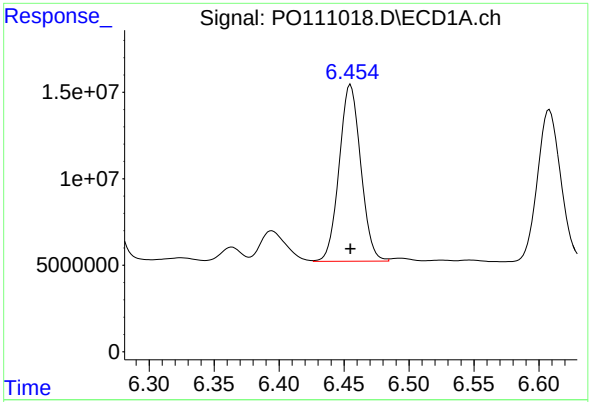
#31 AR-1260-1

R.T.: 6.266 min
Delta R.T.: 0.000 min
Response: 104016992
Conc: 312.72 ng/ml



#31 AR-1260-1

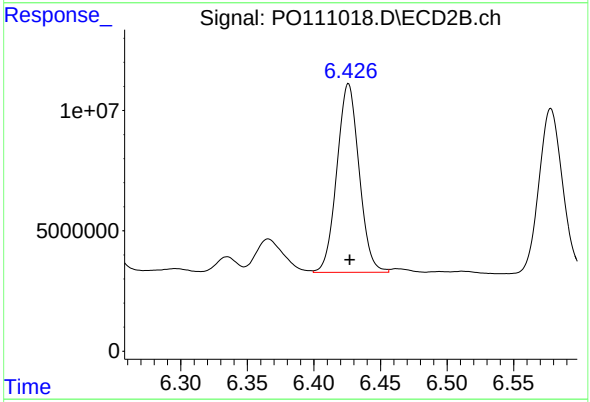
R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 83226389
Conc: 376.98 ng/ml



#32 AR-1260-2

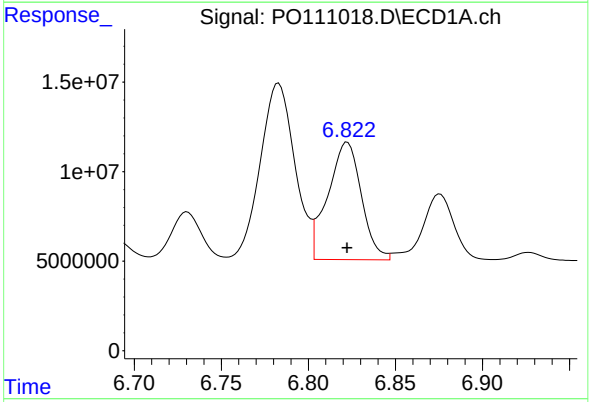
R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 118175969
Conc: 284.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MS



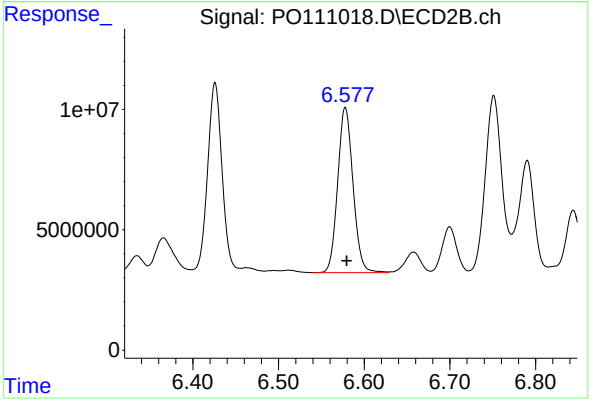
#32 AR-1260-2

R.T.: 6.426 min
Delta R.T.: 0.000 min
Response: 91081170
Conc: 354.09 ng/ml



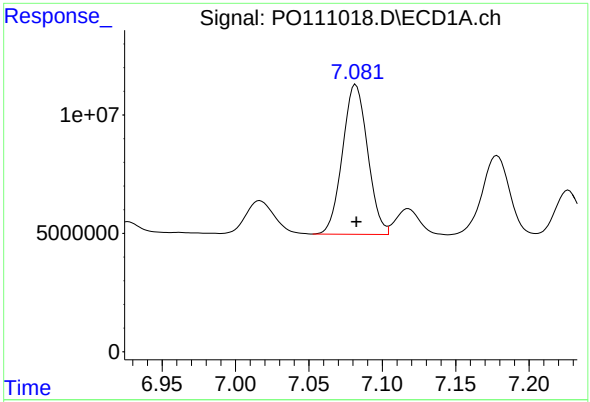
#33 AR-1260-3

R.T.: 6.822 min
Delta R.T.: 0.000 min
Response: 87870684
Conc: 249.44 ng/ml



#33 AR-1260-3

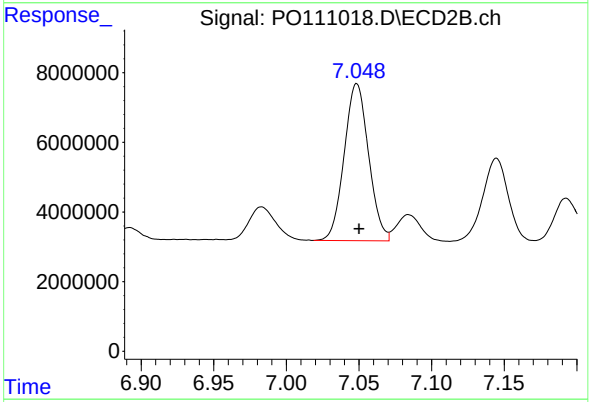
R.T.: 6.578 min
Delta R.T.: -0.002 min
Response: 85379646
Conc: 366.21 ng/ml



#34 AR-1260-4

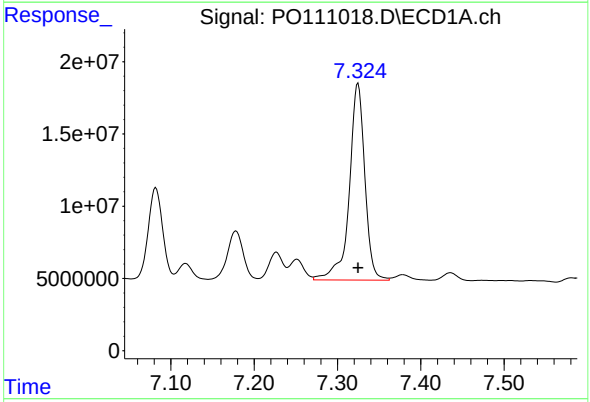
R.T.: 7.082 min
Delta R.T.: 0.000 min
Response: 75339458
Conc: 247.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MS



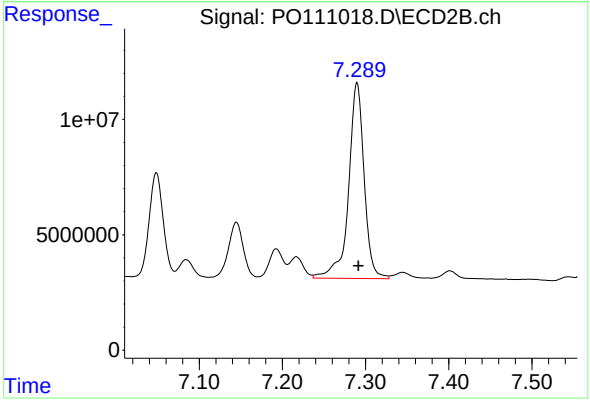
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: -0.002 min
Response: 52846674
Conc: 290.21 ng/ml



#35 AR-1260-5

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 177119953
Conc: 241.18 ng/ml



#35 AR-1260-5

R.T.: 7.290 min
Delta R.T.: -0.002 min
Response: 110244200
Conc: 280.38 ng/ml

Raw Data: **PO111038.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:	05/12/25
Project:	Raymark Superfund Site	Date Received:	05/12/25
Client Sample ID:	MH-IMS	SDG No.:	Q1984
Lab Sample ID:	Q2017-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111038.D	1	05/13/25 08:30	05/13/25 15:14	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	231		4.70	9.90	20.2	ug/kg
11104-28-2	Aroclor-1221	15.4	U	4.80	15.4	20.2	ug/kg
11141-16-5	Aroclor-1232	9.90	U	4.40	9.90	20.2	ug/kg
53469-21-9	Aroclor-1242	9.90	U	4.80	9.90	20.2	ug/kg
12672-29-6	Aroclor-1248	15.4	U	7.00	15.4	20.2	ug/kg
11097-69-1	Aroclor-1254	9.90	U	3.80	9.90	20.2	ug/kg
37324-23-5	Aroclor-1262	15.4	U	6.00	15.4	20.2	ug/kg
11100-14-4	Aroclor-1268	9.90	U	4.30	9.90	20.2	ug/kg
11096-82-5	Aroclor-1260	203		3.80	9.90	20.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.6		44 - 130		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:14
Operator : YP/AJ
Sample : Q2017-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MH-IMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:22:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	113.5E6	99999310	19.844	20.648
2)	SA Decachlor...	8.722	8.672	90967711	32031898	14.907	18.985 #
	Target Compounds						
3)	L1 AR-1016-1	4.773	4.758	110.2E6	93024076	498.792	585.509
4)	L1 AR-1016-2	4.791	4.777	159.5E6	135.6E6	514.189	593.082
5)	L1 AR-1016-3	4.848	4.952	109.1E6	72040785	476.822	590.807
6)	L1 AR-1016-4	4.968	4.994	86859138	58216426	519.515	577.767
7)	L1 AR-1016-5	5.225	5.206	86470553	74408539	485.547	566.263
31)	L7 AR-1260-1	6.265	6.237	152.3E6	122.5E6	457.972	554.658
32)	L7 AR-1260-2	6.454	6.425	185.1E6	139.3E6	446.172	541.380
33)	L7 AR-1260-3	6.821	6.577	141.7E6	129.3E6	402.114	554.474 #
34)	L7 AR-1260-4	7.080	7.048	124.5E6	83370805	409.344	457.840
35)	L7 AR-1260-5	7.323	7.289	298.5E6	176.5E6	406.506	448.818

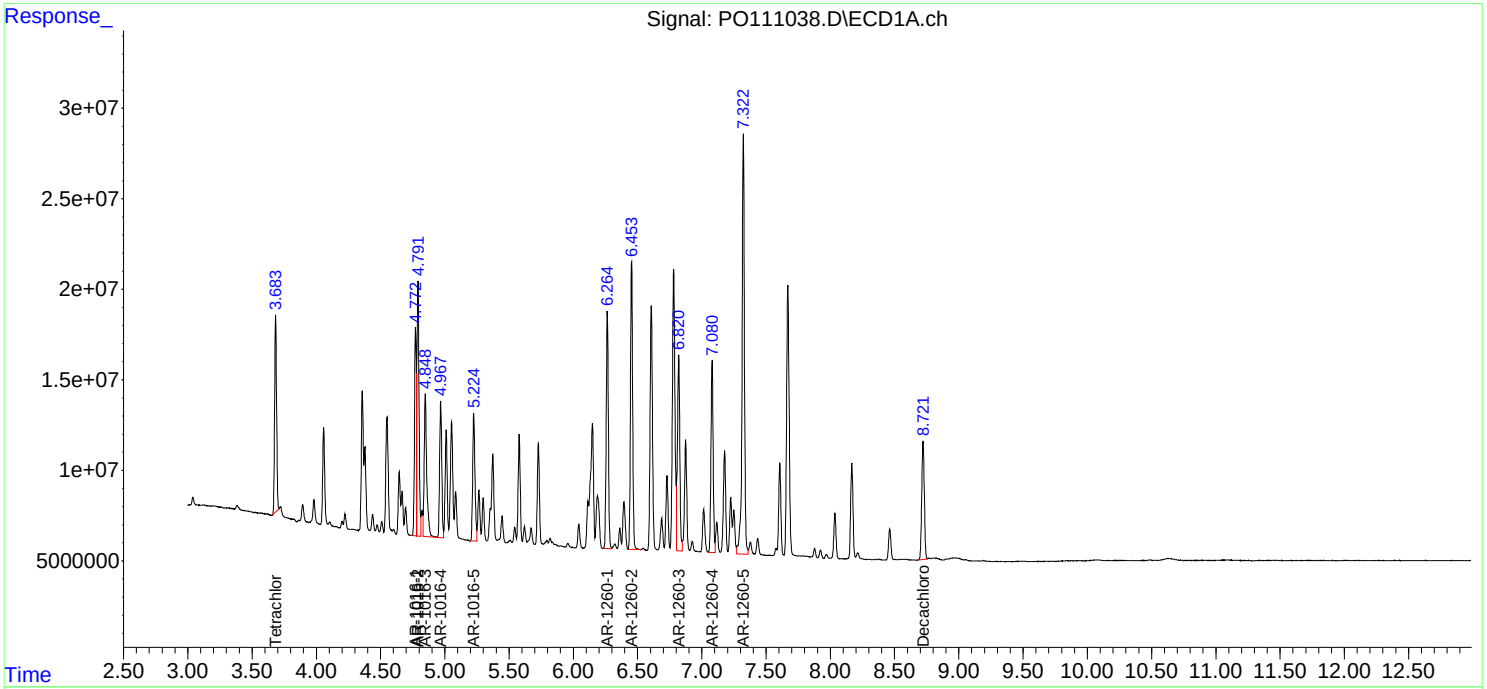
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

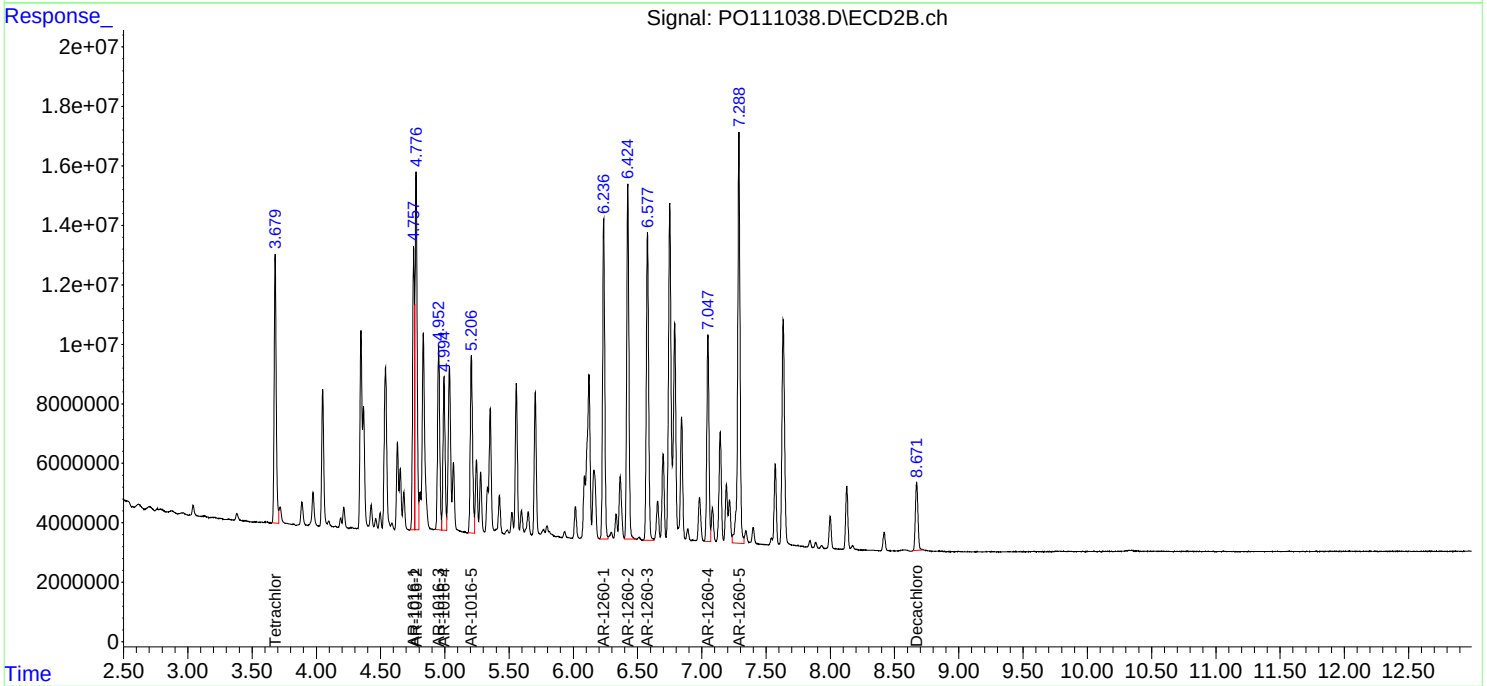
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:14
Operator : YP/AJ
Sample : Q2017-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

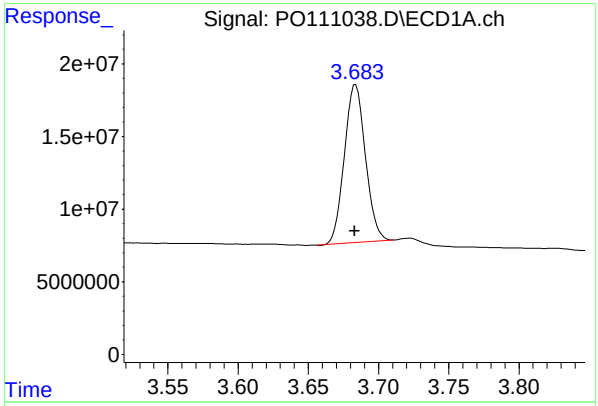
Instrument :
ECD_O
ClientSampleId :
MH-IMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:22:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



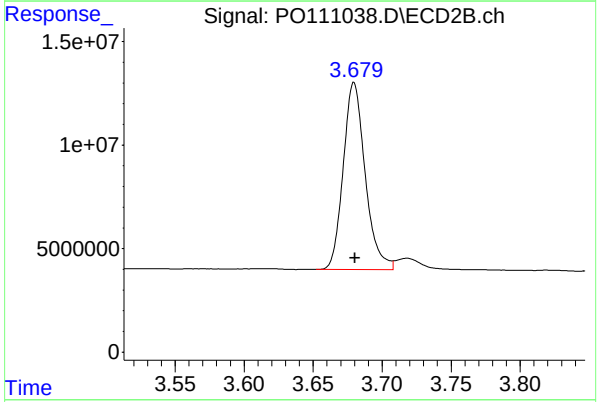




#1 Tetrachloro-m-xylene

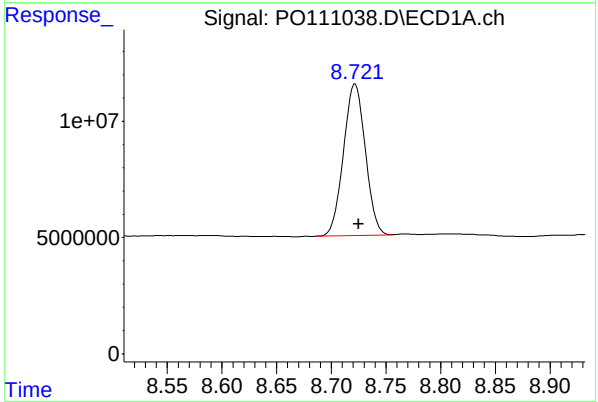
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 113525655
Conc: 19.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMS



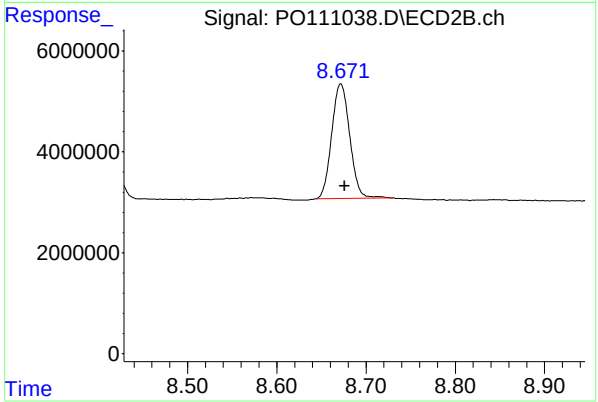
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 99999310
Conc: 20.65 ng/ml



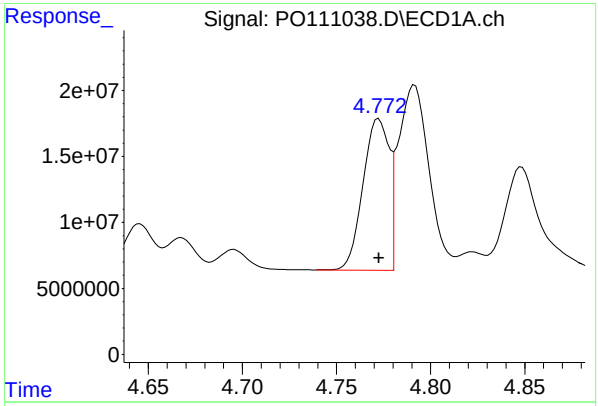
#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.003 min
Response: 90967711
Conc: 14.91 ng/ml



#2 Decachlorobiphenyl

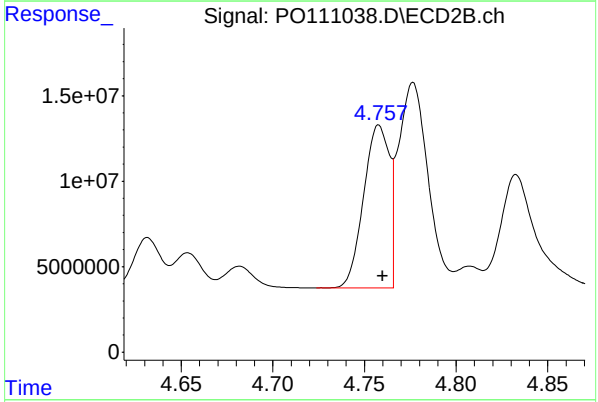
R.T.: 8.672 min
Delta R.T.: -0.004 min
Response: 32031898
Conc: 18.98 ng/ml



#3 AR-1016-1

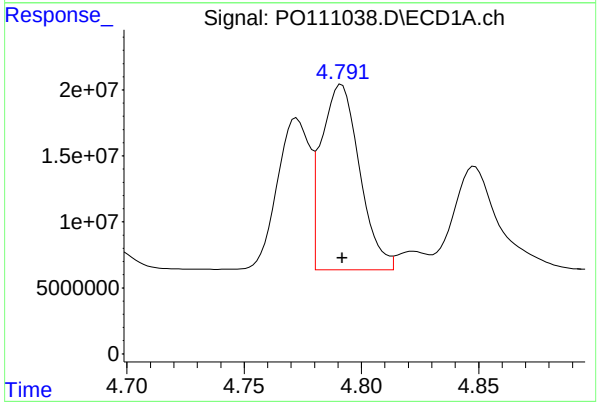
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 110240120
Conc: 498.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMS



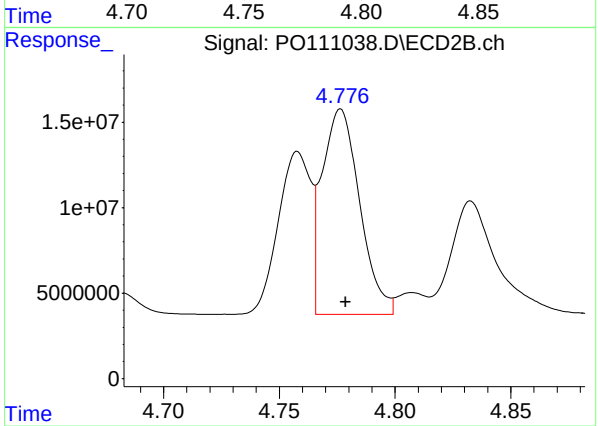
#3 AR-1016-1

R.T.: 4.758 min
Delta R.T.: -0.002 min
Response: 93024076
Conc: 585.51 ng/ml



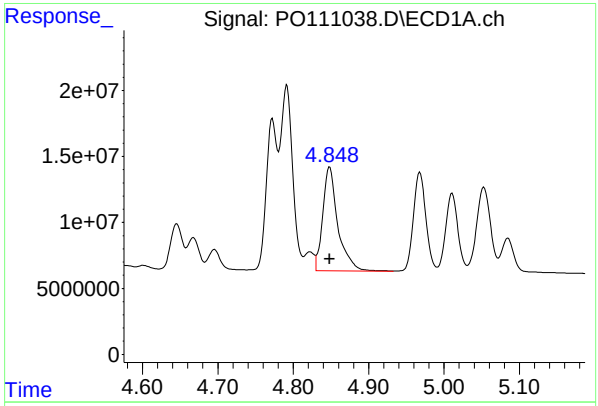
#4 AR-1016-2

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 159487056
Conc: 514.19 ng/ml



#4 AR-1016-2

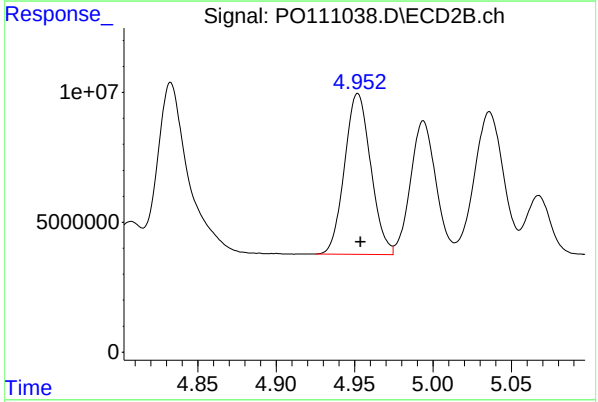
R.T.: 4.777 min
Delta R.T.: -0.002 min
Response: 135559269
Conc: 593.08 ng/ml



#5 AR-1016-3

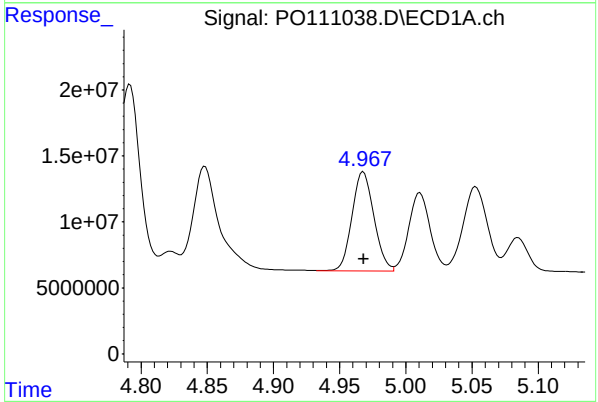
R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 109050273
Conc: 476.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMS



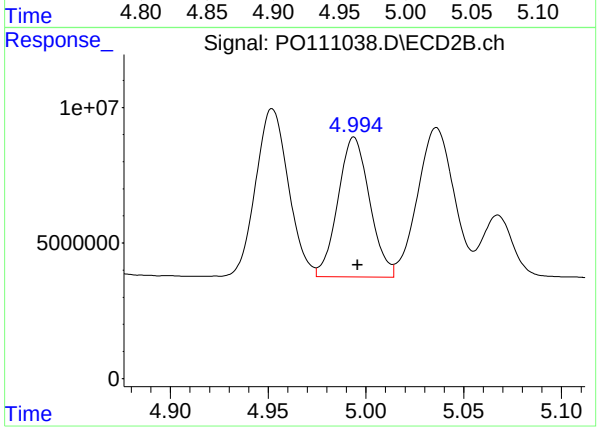
#5 AR-1016-3

R.T.: 4.952 min
Delta R.T.: -0.002 min
Response: 72040785
Conc: 590.81 ng/ml



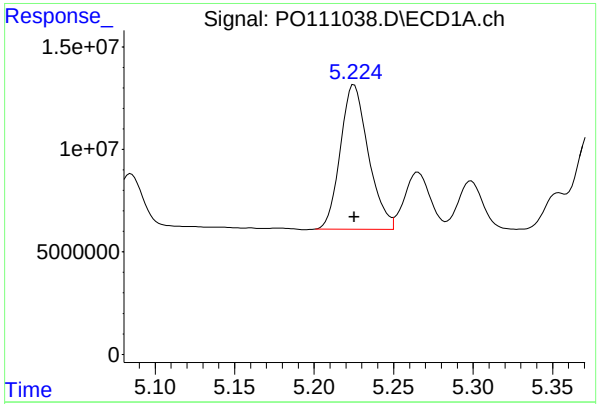
#6 AR-1016-4

R.T.: 4.968 min
Delta R.T.: 0.000 min
Response: 86859138
Conc: 519.51 ng/ml



#6 AR-1016-4

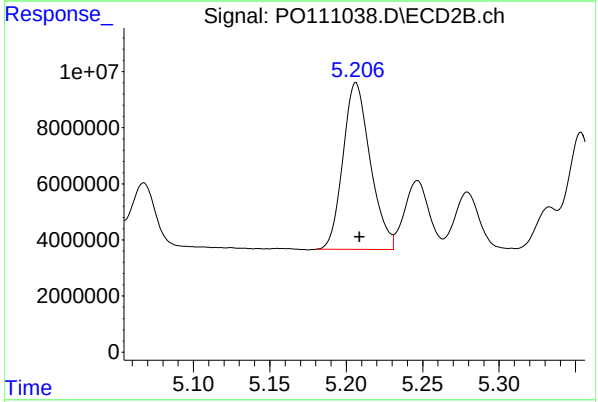
R.T.: 4.994 min
Delta R.T.: -0.002 min
Response: 58216426
Conc: 577.77 ng/ml



#7 AR-1016-5

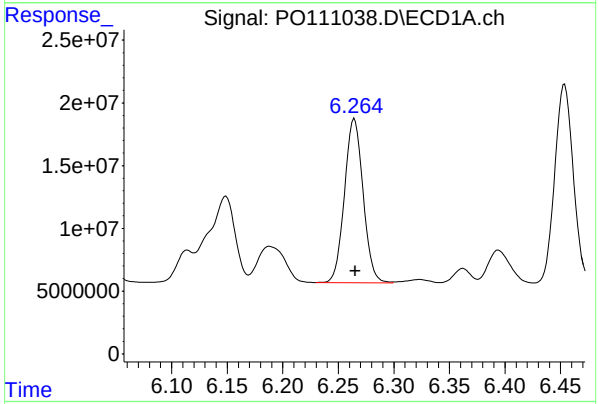
R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 86470553
Conc: 485.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMS



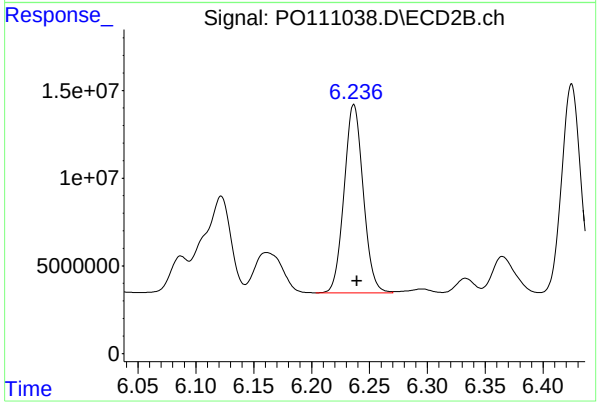
#7 AR-1016-5

R.T.: 5.206 min
Delta R.T.: -0.002 min
Response: 74408539
Conc: 566.26 ng/ml



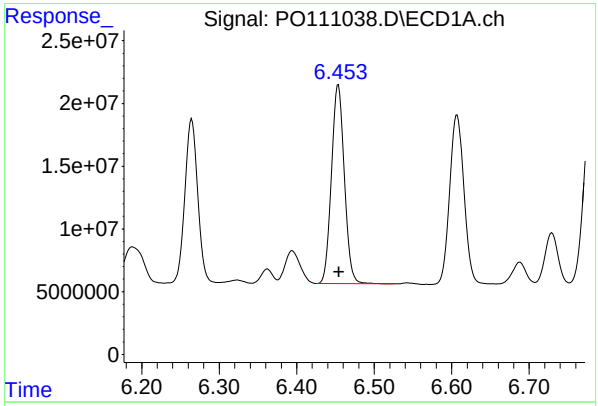
#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 152332097
Conc: 457.97 ng/ml



#31 AR-1260-1

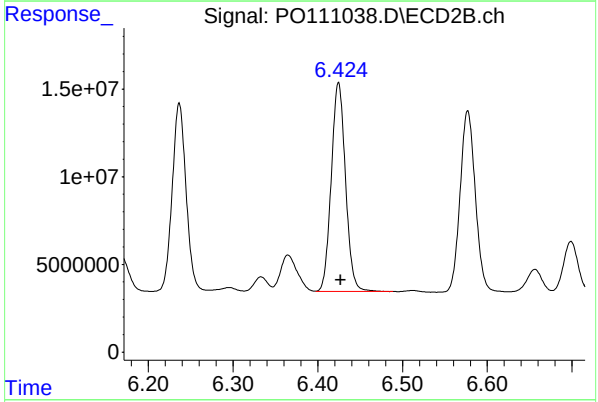
R.T.: 6.237 min
Delta R.T.: -0.003 min
Response: 122451414
Conc: 554.66 ng/ml



#32 AR-1260-2

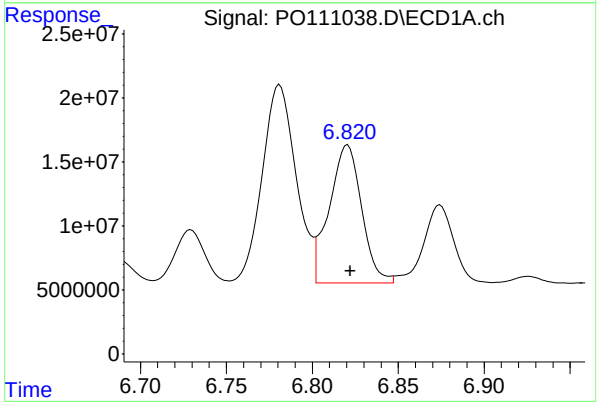
R.T.: 6.454 min
Delta R.T.: -0.001 min
Response: 185077730
Conc: 446.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMS



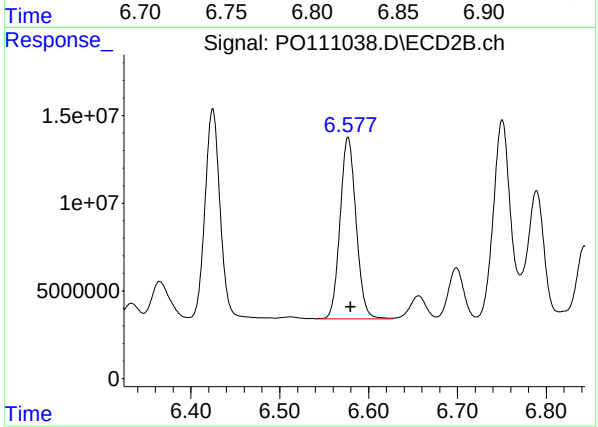
#32 AR-1260-2

R.T.: 6.425 min
Delta R.T.: -0.002 min
Response: 139258224
Conc: 541.38 ng/ml



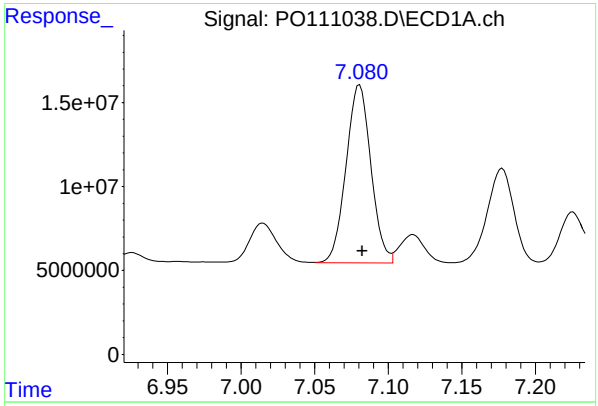
#33 AR-1260-3

R.T.: 6.821 min
Delta R.T.: -0.002 min
Response: 141651291
Conc: 402.11 ng/ml



#33 AR-1260-3

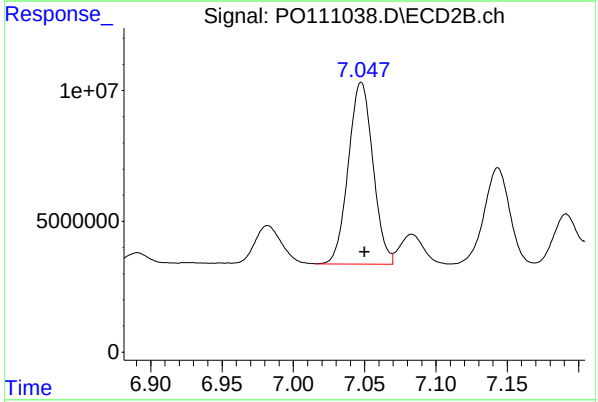
R.T.: 6.577 min
Delta R.T.: -0.003 min
Response: 129272097
Conc: 554.47 ng/ml



#34 AR-1260-4

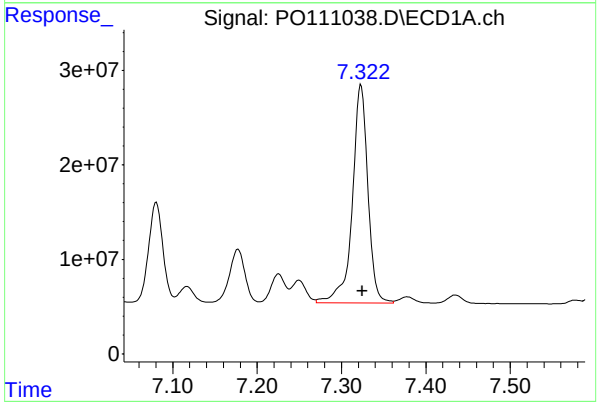
R.T.: 7.080 min
Delta R.T.: -0.002 min
Response: 124537353
Conc: 409.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMS



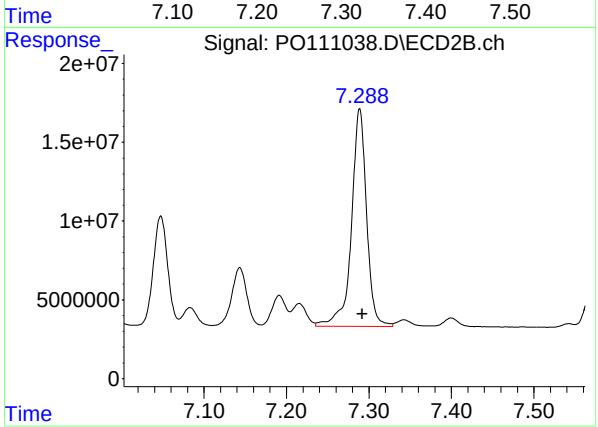
#34 AR-1260-4

R.T.: 7.048 min
Delta R.T.: -0.003 min
Response: 83370805
Conc: 457.84 ng/ml



#35 AR-1260-5

R.T.: 7.323 min
Delta R.T.: -0.002 min
Response: 298532073
Conc: 406.51 ng/ml



#35 AR-1260-5

R.T.: 7.289 min
Delta R.T.: -0.003 min
Response: 176472227
Conc: 448.82 ng/ml

Raw Data: **PO111019.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:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725MSD	SDG No.:	Q1984
Lab Sample ID:	Q1984-11MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	60.1 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
PO111019.D	1	05/12/25 09:05	05/12/25 15:49	PB167949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	275		6.60	13.8	28.2	ug/kg
11104-28-2	Aroclor-1221	21.6	U	6.70	21.6	28.2	ug/kg
11141-16-5	Aroclor-1232	13.8	U	6.20	13.8	28.2	ug/kg
53469-21-9	Aroclor-1242	13.8	U	6.70	13.8	28.2	ug/kg
12672-29-6	Aroclor-1248	21.6	U	9.80	21.6	28.2	ug/kg
11097-69-1	Aroclor-1254	13.8	U	5.30	13.8	28.2	ug/kg
37324-23-5	Aroclor-1262	21.6	U	8.30	21.6	28.2	ug/kg
11100-14-4	Aroclor-1268	13.8	U	6.00	13.8	28.2	ug/kg
11096-82-5	Aroclor-1260	235		5.40	13.8	28.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	13.7		44 - 130		68%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.19	*	60 - 125		46%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:49
Operator : YP/AJ
Sample : Q1984-11MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:54:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	74875404	66161850	13.088	13.661
2)	SA Decachlor...	8.722	8.673	40925993	15512820	6.706	9.194 #
	Target Compounds						
3)	L1 AR-1016-1	4.772	4.758	93621514	78899855	423.599	496.609
4)	L1 AR-1016-2	4.792	4.777	136.6E6	114.9E6	440.536	502.702
5)	L1 AR-1016-3	4.849	4.953	98748268	61550288	431.777	504.775
6)	L1 AR-1016-4	4.969	4.995	75835702	50737698	453.582	503.545
7)	L1 AR-1016-5	5.226	5.207	73226009	62635406	411.177	476.668
31)	L7 AR-1260-1	6.265	6.238	129.5E6	103.7E6	389.467	469.871
32)	L7 AR-1260-2	6.454	6.425	152.0E6	115.4E6	366.545	448.817
33)	L7 AR-1260-3	6.821	6.578	115.8E6	107.2E6	328.683	459.756 #
34)	L7 AR-1260-4	7.080	7.049	98044721	67737911	322.265	371.991
35)	L7 AR-1260-5	7.323	7.289	237.4E6	145.9E6	323.274	371.027

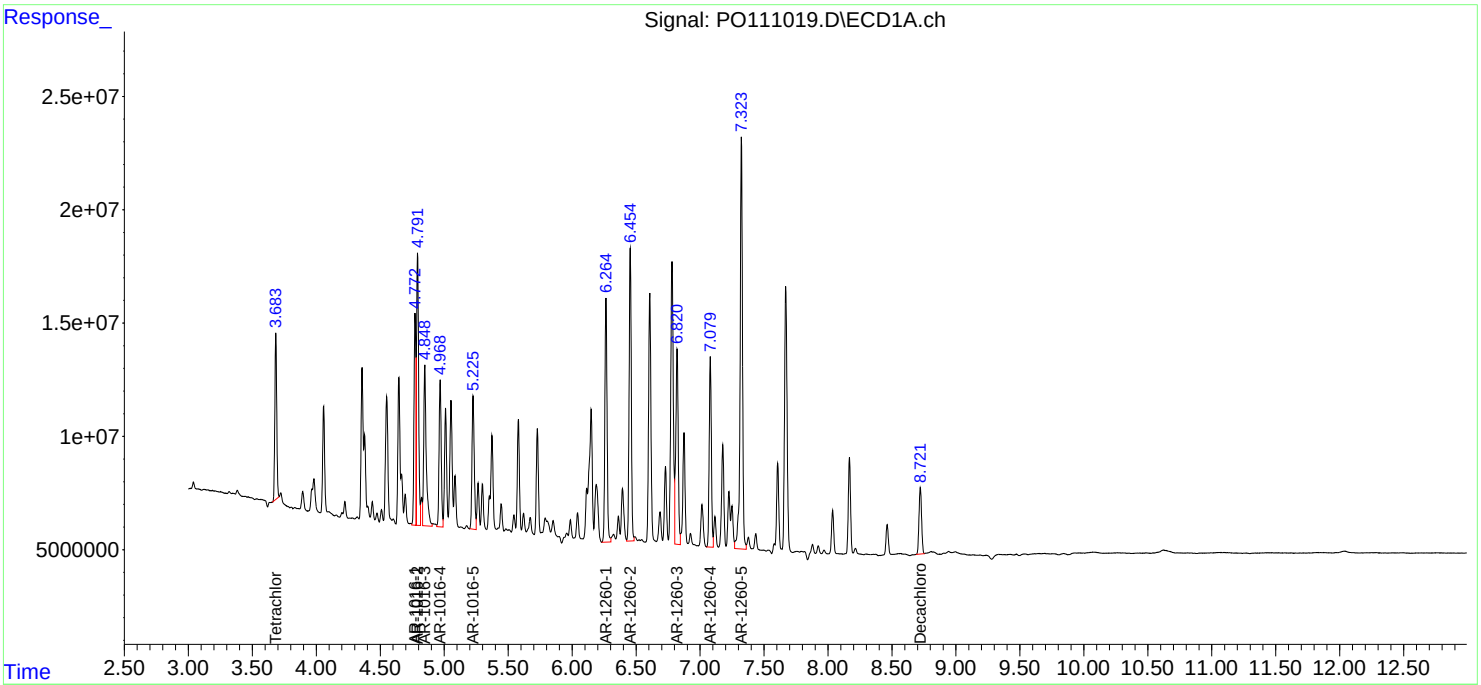
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

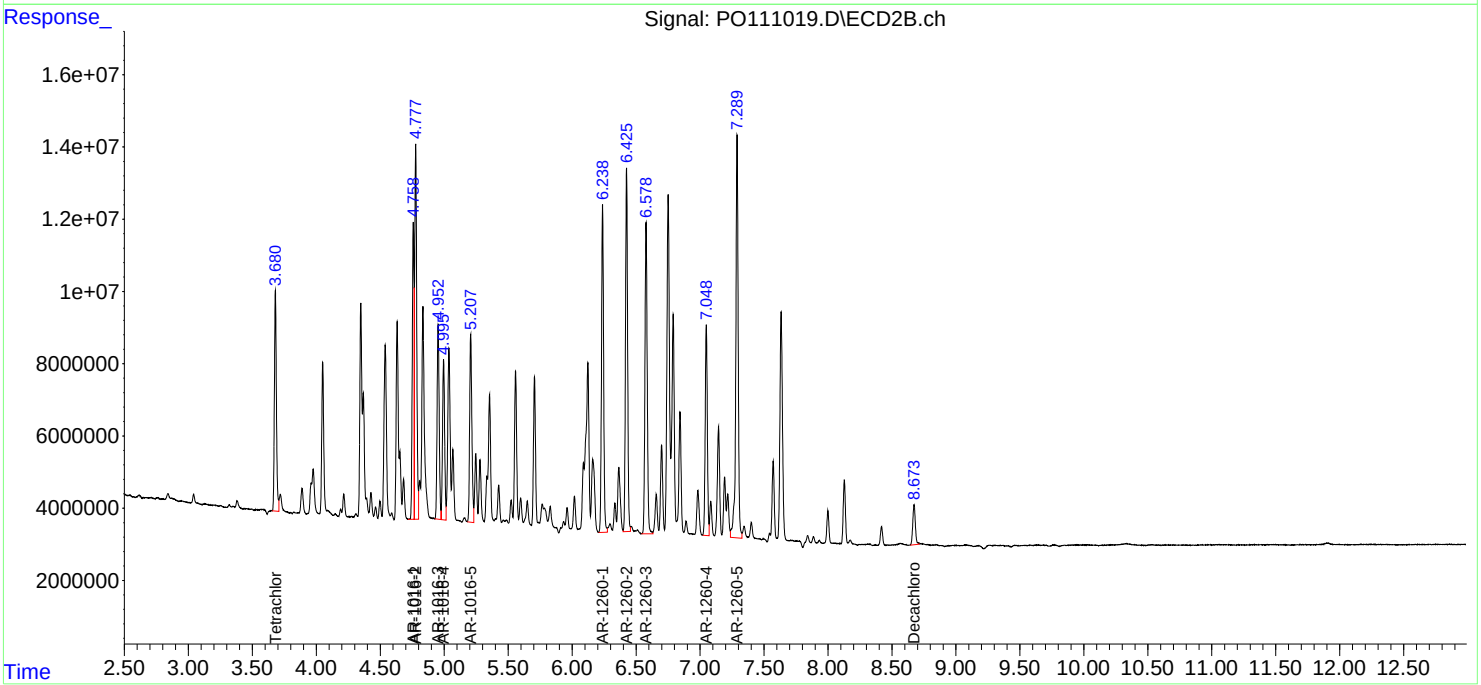
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051225\
Data File : PO111019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:49
Operator : YP/AJ
Sample : Q1984-11MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

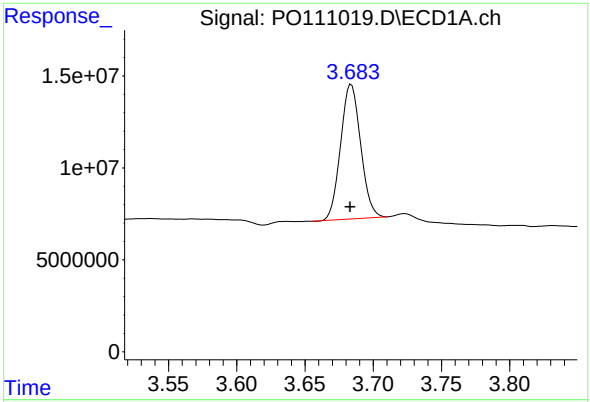
Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:54:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



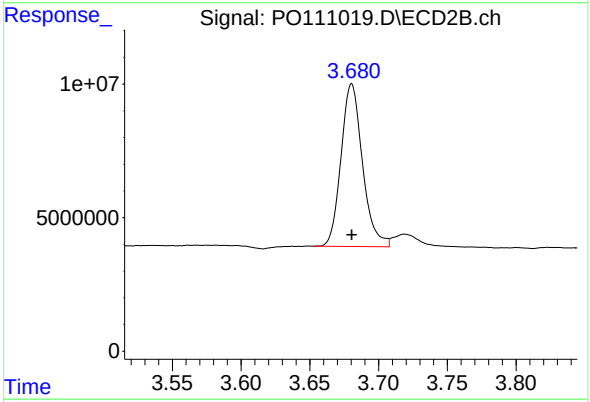




#1 Tetrachloro-m-xylene

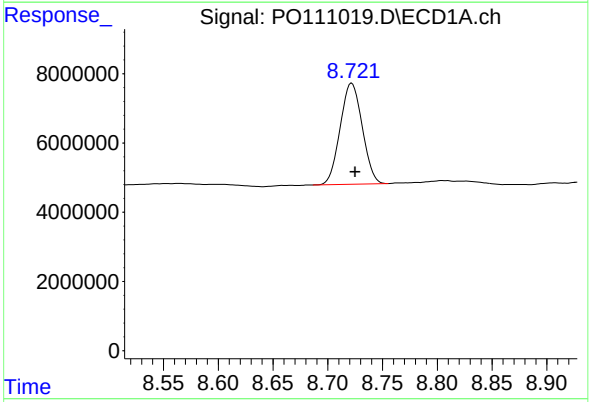
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 74875404
Conc: 13.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MSD



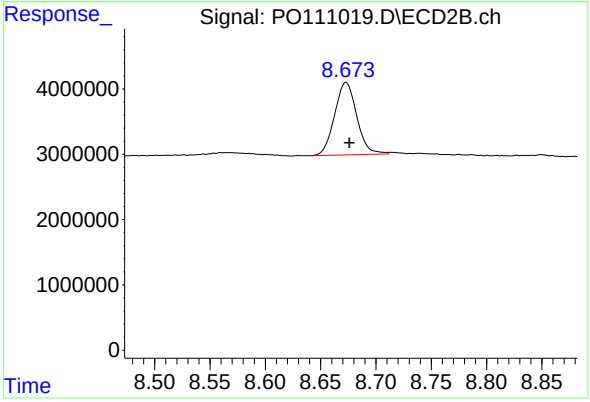
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 66161850
Conc: 13.66 ng/ml



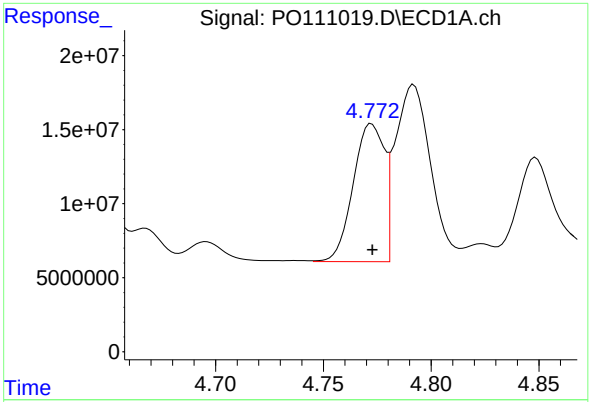
#2 Decachlorobiphenyl

R.T.: 8.722 min
Delta R.T.: -0.003 min
Response: 40925993
Conc: 6.71 ng/ml



#2 Decachlorobiphenyl

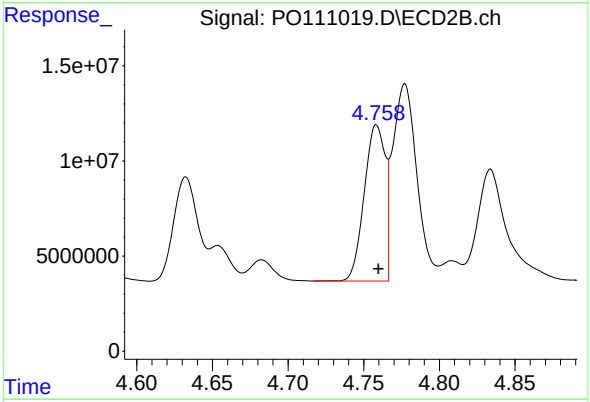
R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 15512820
Conc: 9.19 ng/ml



#3 AR-1016-1

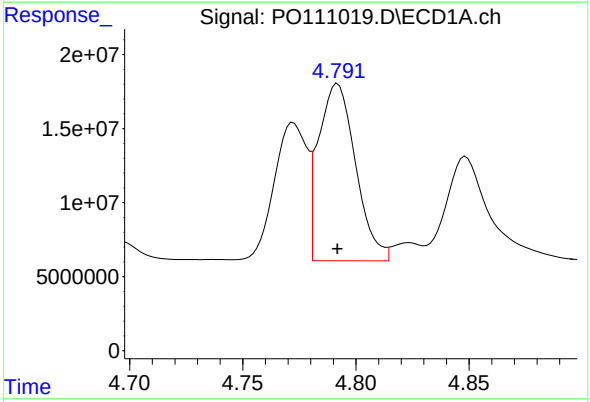
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 93621514
Conc: 423.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MSD



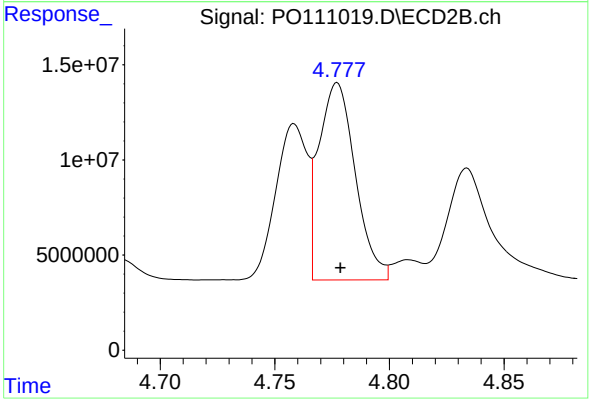
#3 AR-1016-1

R.T.: 4.758 min
Delta R.T.: -0.001 min
Response: 78899855
Conc: 496.61 ng/ml



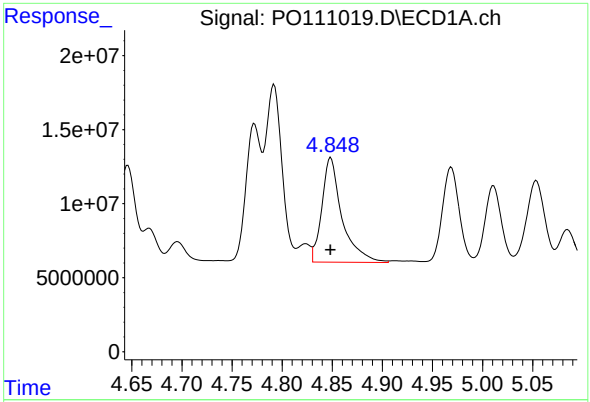
#4 AR-1016-2

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 136641922
Conc: 440.54 ng/ml



#4 AR-1016-2

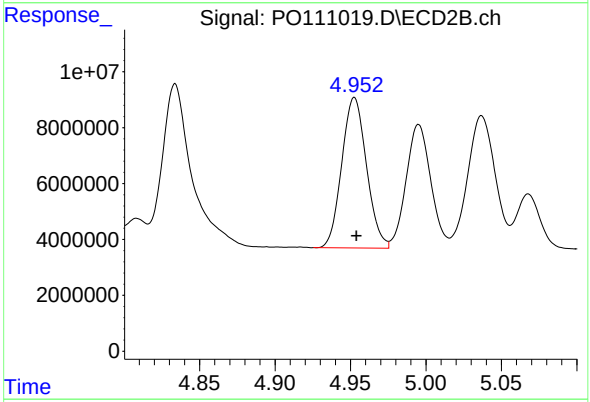
R.T.: 4.777 min
Delta R.T.: -0.001 min
Response: 114901286
Conc: 502.70 ng/ml



#5 AR-1016-3

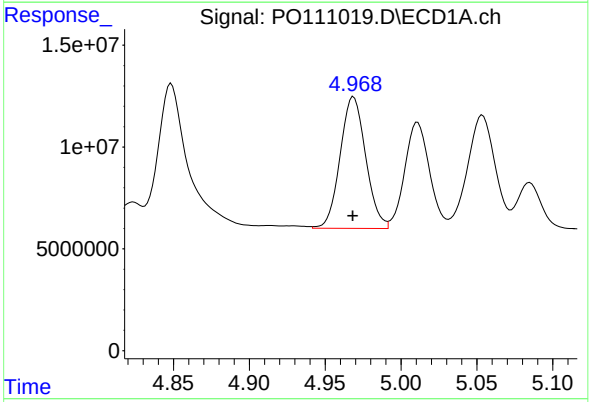
R.T.: 4.849 min
Delta R.T.: 0.000 min
Response: 98748268
Conc: 431.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MSD



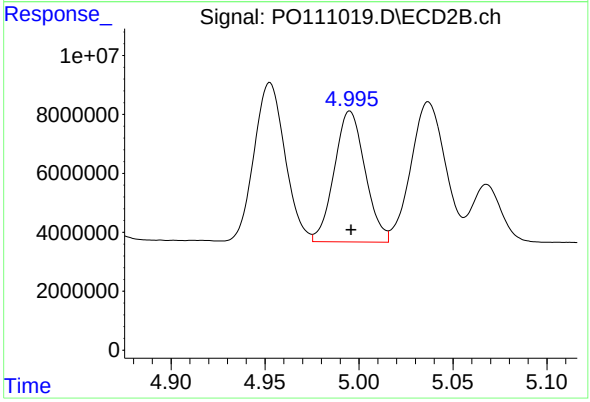
#5 AR-1016-3

R.T.: 4.953 min
Delta R.T.: -0.001 min
Response: 61550288
Conc: 504.77 ng/ml



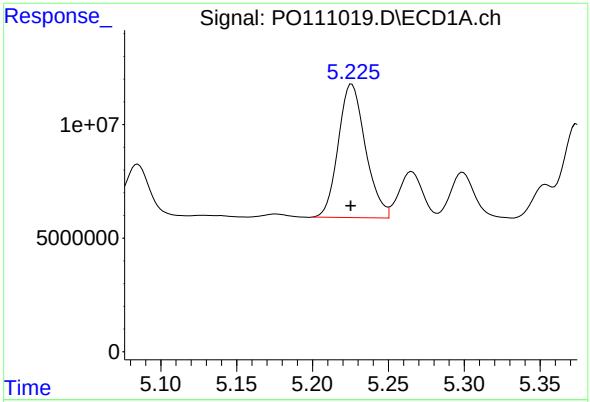
#6 AR-1016-4

R.T.: 4.969 min
Delta R.T.: 0.000 min
Response: 75835702
Conc: 453.58 ng/ml



#6 AR-1016-4

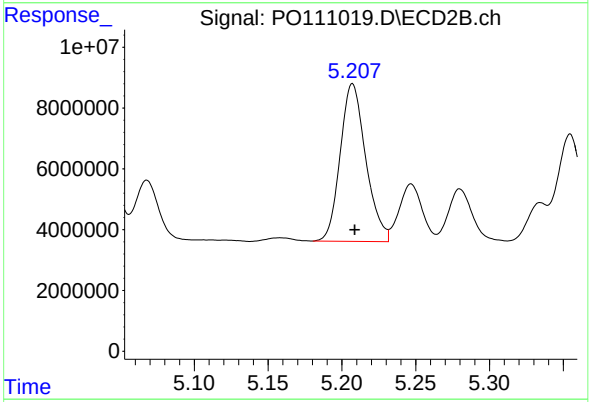
R.T.: 4.995 min
Delta R.T.: 0.000 min
Response: 50737698
Conc: 503.54 ng/ml



#7 AR-1016-5

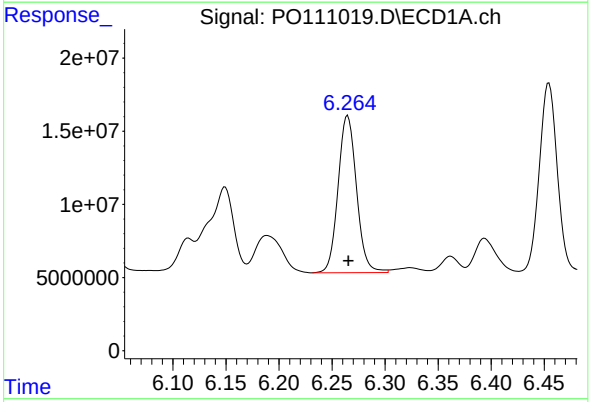
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 73226009
Conc: 411.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MSD



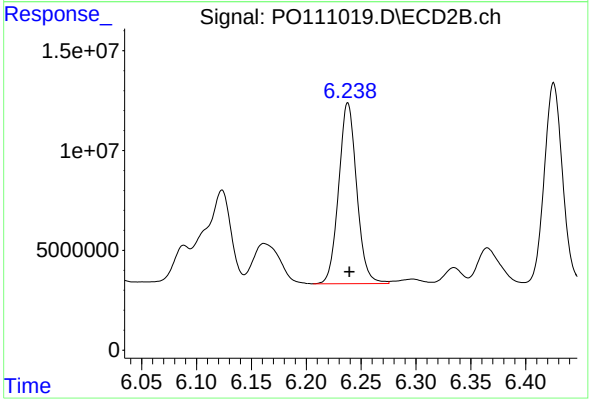
#7 AR-1016-5

R.T.: 5.207 min
Delta R.T.: -0.001 min
Response: 62635406
Conc: 476.67 ng/ml



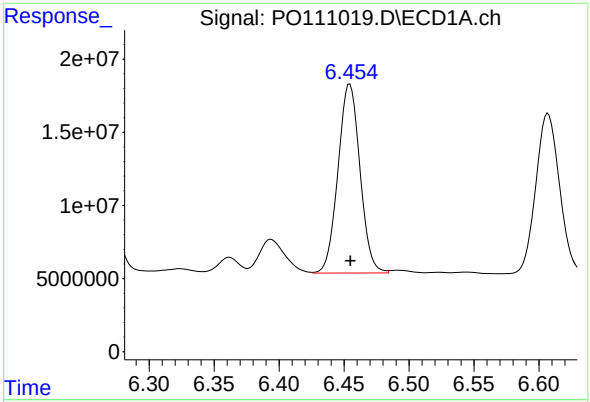
#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 129545836
Conc: 389.47 ng/ml



#31 AR-1260-1

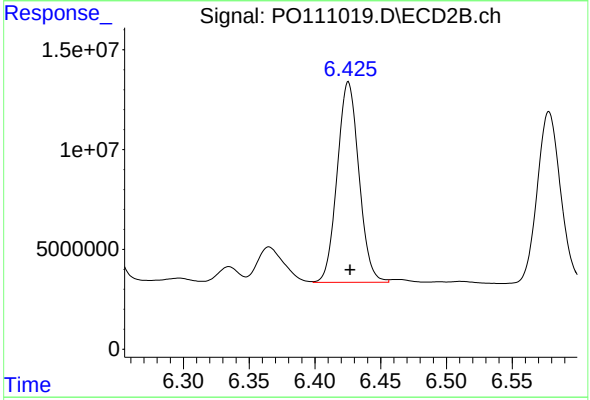
R.T.: 6.238 min
Delta R.T.: -0.001 min
Response: 103733114
Conc: 469.87 ng/ml



#32 AR-1260-2

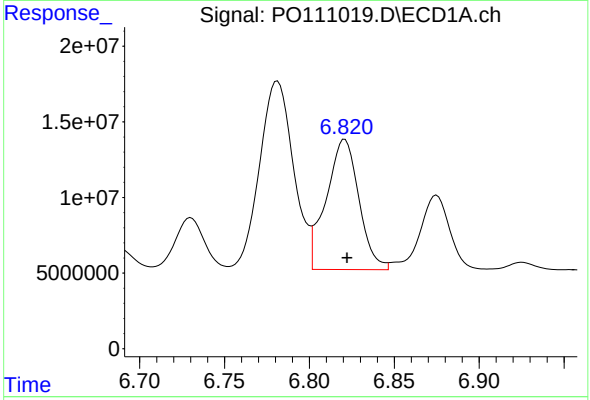
R.T.: 6.454 min
Delta R.T.: 0.000 min
Response: 152047626
Conc: 366.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MSD



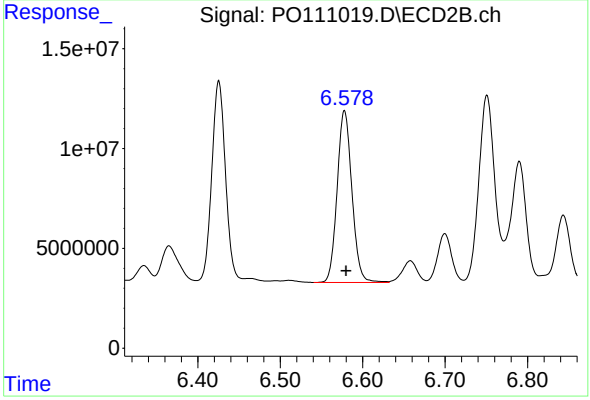
#32 AR-1260-2

R.T.: 6.425 min
Delta R.T.: -0.001 min
Response: 115448494
Conc: 448.82 ng/ml



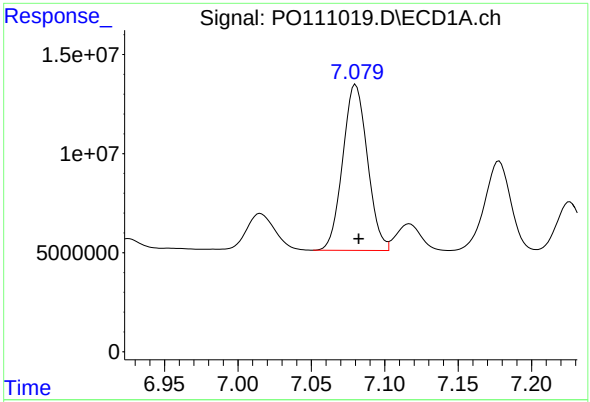
#33 AR-1260-3

R.T.: 6.821 min
Delta R.T.: -0.001 min
Response: 115783709
Conc: 328.68 ng/ml



#33 AR-1260-3

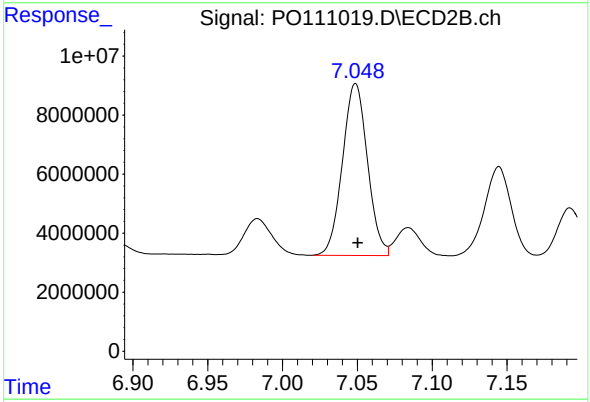
R.T.: 6.578 min
Delta R.T.: -0.002 min
Response: 107189319
Conc: 459.76 ng/ml



#34 AR-1260-4

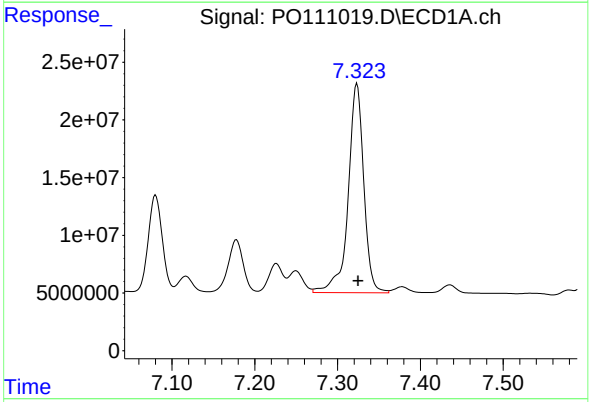
R.T.: 7.080 min
Delta R.T.: -0.002 min
Response: 98044721
Conc: 322.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-TS-26-050725MSD



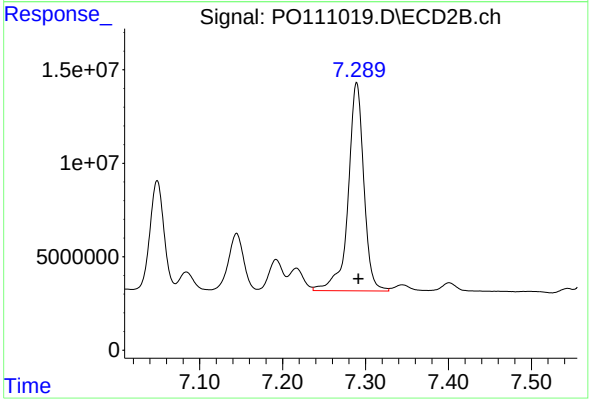
#34 AR-1260-4

R.T.: 7.049 min
Delta R.T.: -0.001 min
Response: 67737911
Conc: 371.99 ng/ml



#35 AR-1260-5

R.T.: 7.323 min
Delta R.T.: -0.001 min
Response: 237408270
Conc: 323.27 ng/ml



#35 AR-1260-5

R.T.: 7.289 min
Delta R.T.: -0.002 min
Response: 145885489
Conc: 371.03 ng/ml

Raw Data: **PO111039.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:	05/12/25
Project:	Raymark Superfund Site	Date Received:	05/12/25
Client Sample ID:	MH-IMSD	SDG No.:	Q1984
Lab Sample ID:	Q2017-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111039.D	1	05/13/25 08:30	05/13/25 15:32	PB167972

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	219		4.70	9.80	20.2	ug/kg
11104-28-2	Aroclor-1221	15.4	U	4.80	15.4	20.2	ug/kg
11141-16-5	Aroclor-1232	9.80	U	4.40	9.80	20.2	ug/kg
53469-21-9	Aroclor-1242	9.80	U	4.80	9.80	20.2	ug/kg
12672-29-6	Aroclor-1248	15.4	U	7.00	15.4	20.2	ug/kg
11097-69-1	Aroclor-1254	9.80	U	3.80	9.80	20.2	ug/kg
37324-23-5	Aroclor-1262	15.4	U	6.00	15.4	20.2	ug/kg
11100-14-4	Aroclor-1268	9.80	U	4.30	9.80	20.2	ug/kg
11096-82-5	Aroclor-1260	194		3.80	9.80	20.2	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.6		44 - 130		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		60 - 125		92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:32
Operator : YP/AJ
Sample : Q2017-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MH-IMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:22:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.684	3.680	108.6E6	95010685	18.979	19.618	
2)	SA Decachlor...	8.723	8.673	86532445	31022438	14.180	18.386	#
	Target Compounds							
3)	L1 AR-1016-1	4.773	4.759	106.9E6	89379940	483.830	562.572	
4)	L1 AR-1016-2	4.792	4.777	150.8E6	128.4E6	486.033	561.902	
5)	L1 AR-1016-3	4.849	4.952	104.4E6	68458321	456.556	561.428	
6)	L1 AR-1016-4	4.969	4.994	82954384	55326084	496.160	549.082	
7)	L1 AR-1016-5	5.226	5.207	83299519	70925290	467.742	539.755	
31)	L7 AR-1260-1	6.265	6.238	145.4E6	116.8E6	437.048	529.210	
32)	L7 AR-1260-2	6.455	6.425	176.8E6	132.9E6	426.270	516.712	
33)	L7 AR-1260-3	6.822	6.577	135.9E6	123.8E6	385.793	531.070	#
34)	L7 AR-1260-4	7.081	7.048	119.1E6	79823441	391.501	438.360	
35)	L7 AR-1260-5	7.323	7.289	285.8E6	170.2E6	389.120	432.918	

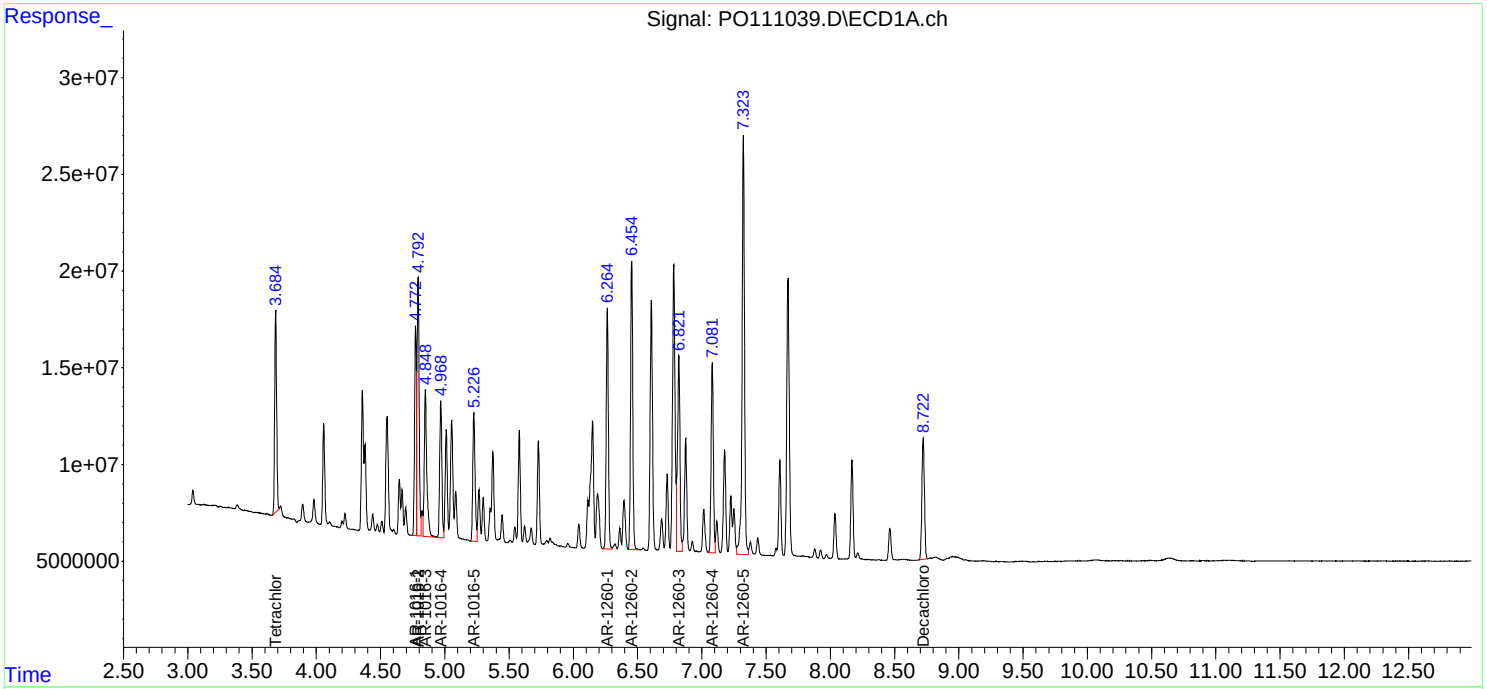
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

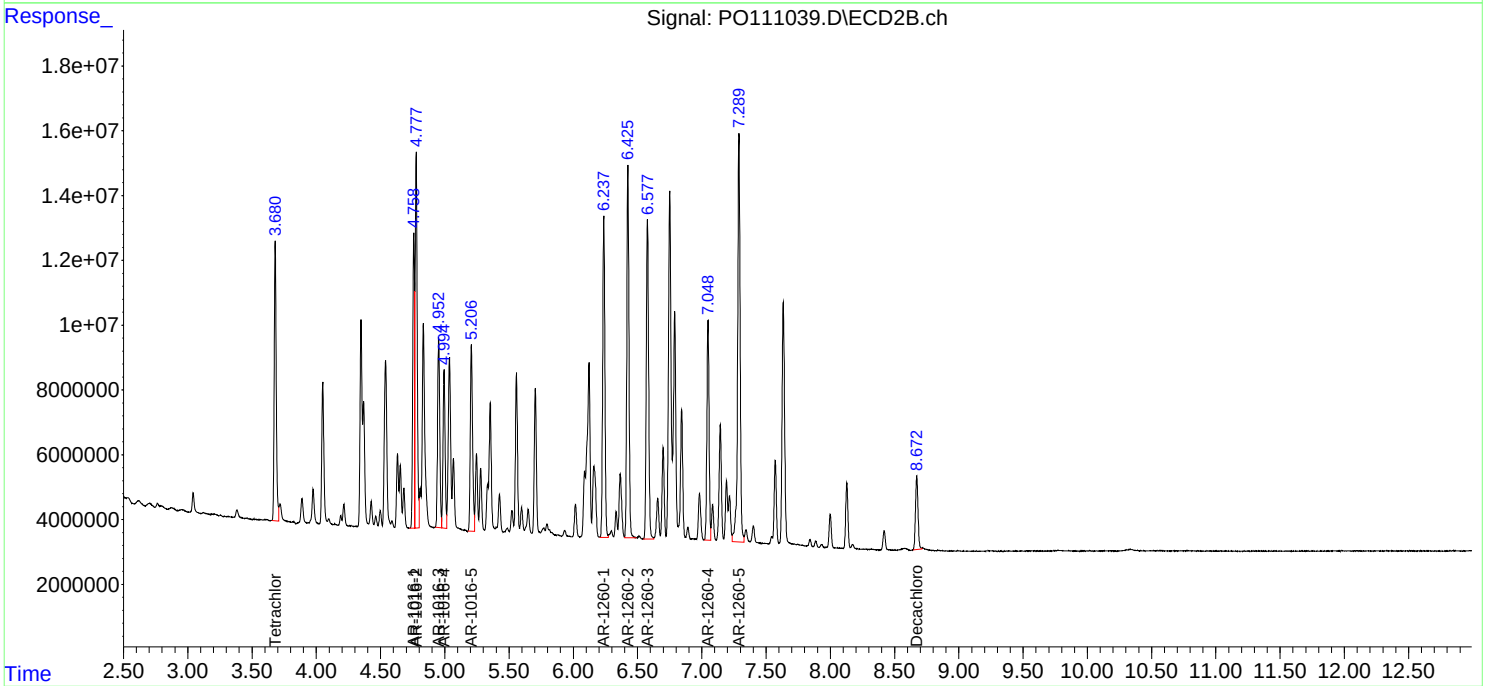
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:32
Operator : YP/AJ
Sample : Q2017-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

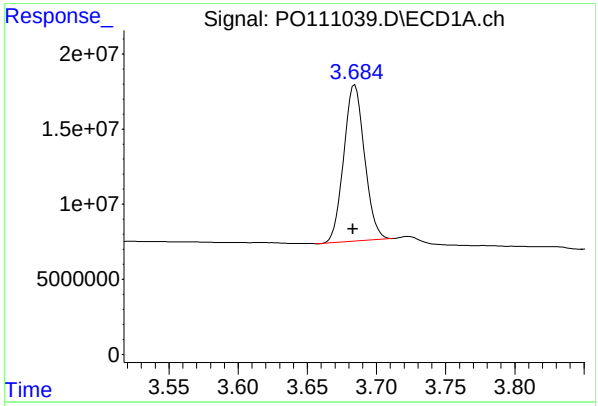
Instrument :
ECD_O
ClientSampleId :
MH-IMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:22:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



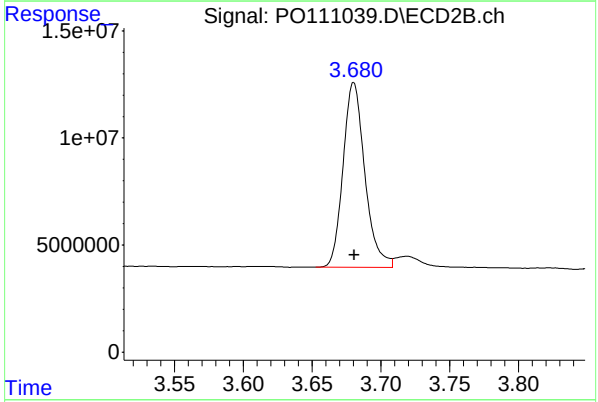




#1 Tetrachloro-m-xylene

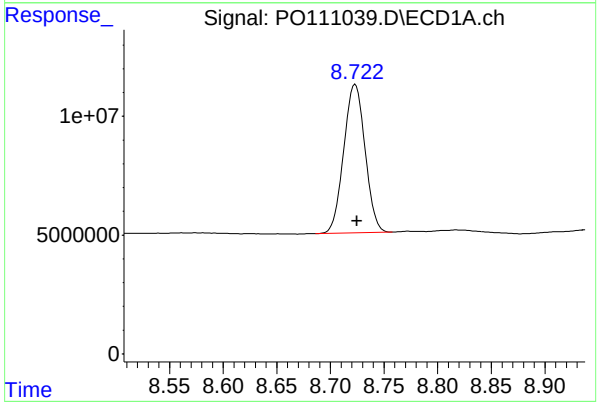
R.T.: 3.684 min
Delta R.T.: 0.001 min
Response: 108577665
Conc: 18.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMSD



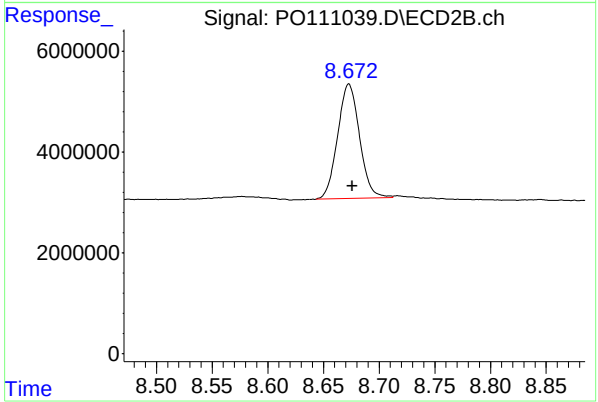
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 95010685
Conc: 19.62 ng/ml



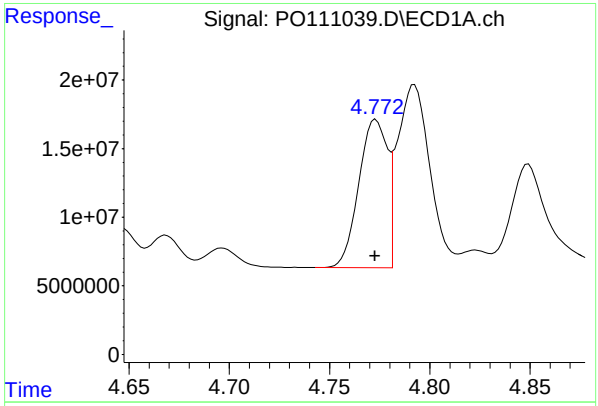
#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 86532445
Conc: 14.18 ng/ml



#2 Decachlorobiphenyl

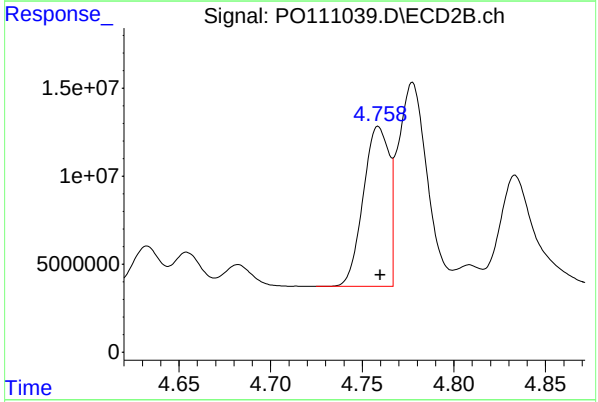
R.T.: 8.673 min
Delta R.T.: -0.003 min
Response: 31022438
Conc: 18.39 ng/ml



#3 AR-1016-1

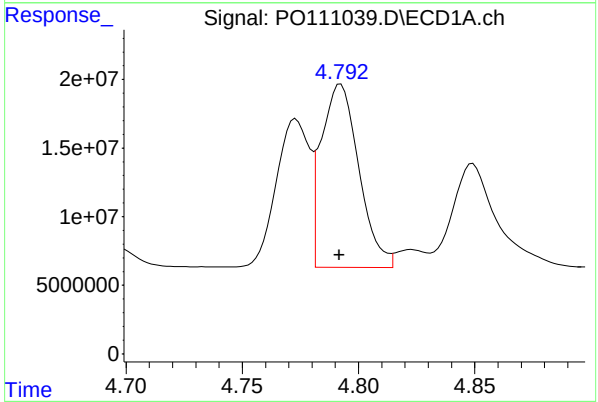
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 106933363
Conc: 483.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMSD



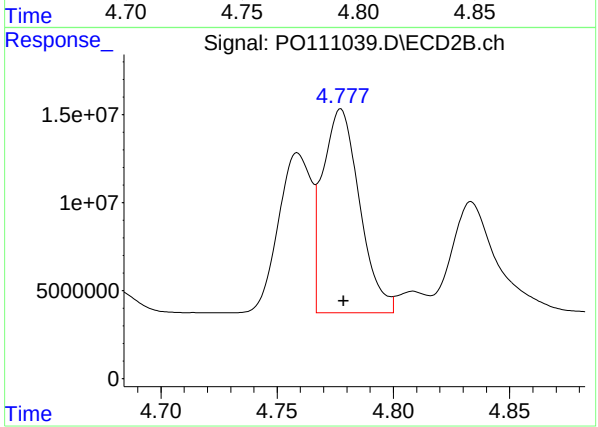
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: -0.001 min
Response: 89379940
Conc: 562.57 ng/ml



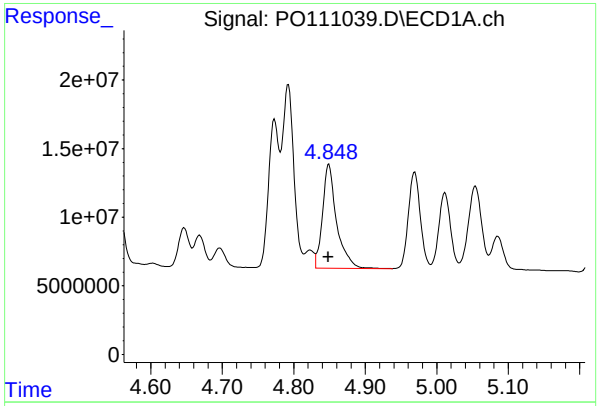
#4 AR-1016-2

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 150753770
Conc: 486.03 ng/ml



#4 AR-1016-2

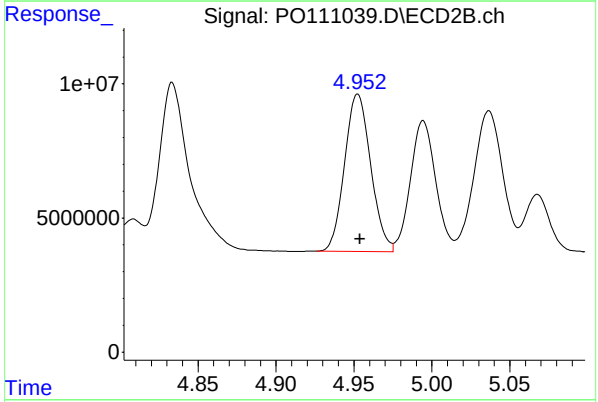
R.T.: 4.777 min
Delta R.T.: -0.001 min
Response: 128432495
Conc: 561.90 ng/ml



#5 AR-1016-3

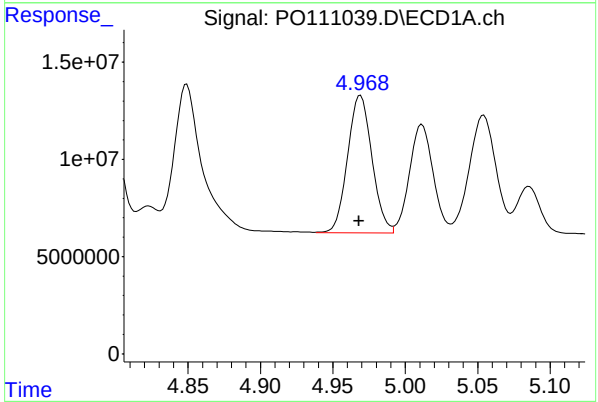
R.T.: 4.849 min
Delta R.T.: 0.000 min
Response: 104415244
Conc: 456.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMSD



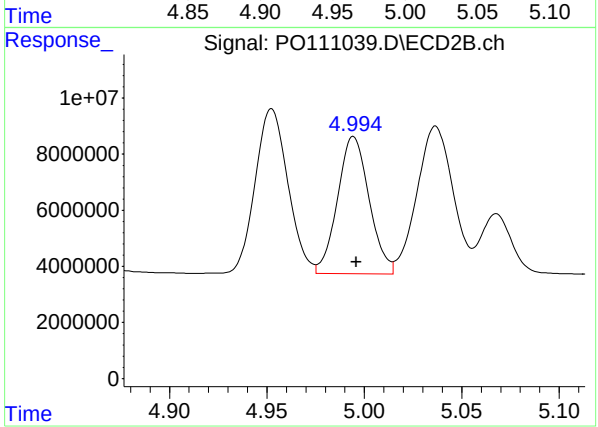
#5 AR-1016-3

R.T.: 4.952 min
Delta R.T.: -0.001 min
Response: 68458321
Conc: 561.43 ng/ml



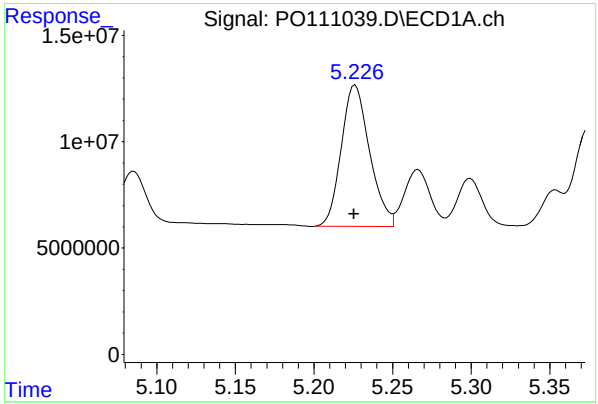
#6 AR-1016-4

R.T.: 4.969 min
Delta R.T.: 0.001 min
Response: 82954384
Conc: 496.16 ng/ml



#6 AR-1016-4

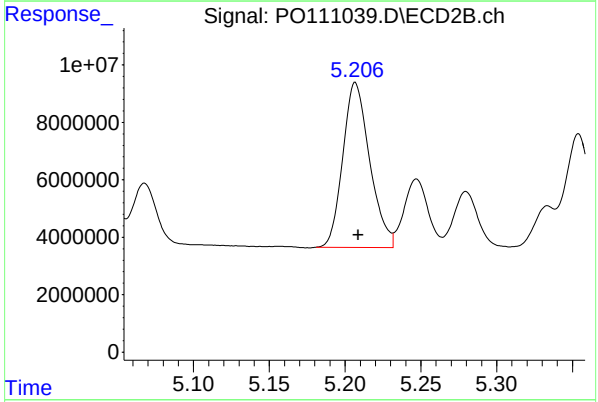
R.T.: 4.994 min
Delta R.T.: -0.001 min
Response: 55326084
Conc: 549.08 ng/ml



#7 AR-1016-5

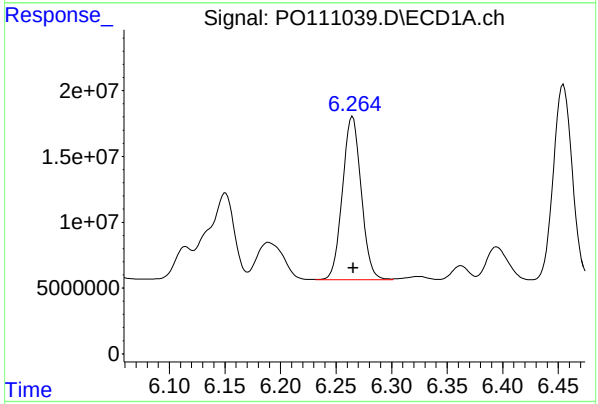
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 83299519
Conc: 467.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMSD



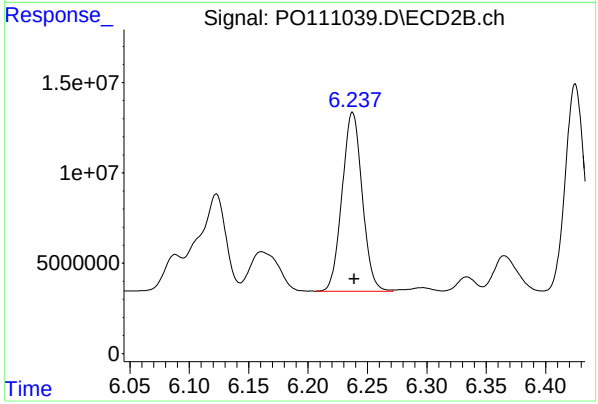
#7 AR-1016-5

R.T.: 5.207 min
Delta R.T.: -0.002 min
Response: 70925290
Conc: 539.76 ng/ml



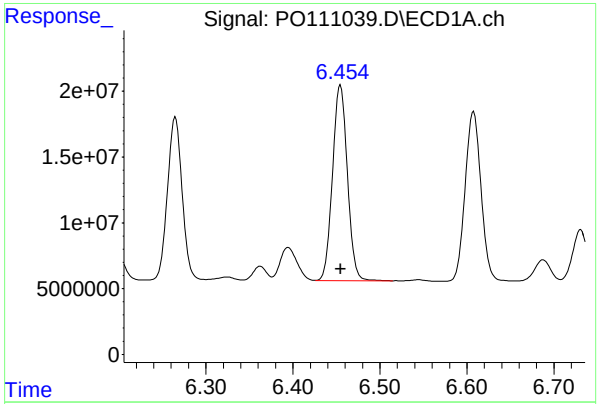
#31 AR-1260-1

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 145372266
Conc: 437.05 ng/ml



#31 AR-1260-1

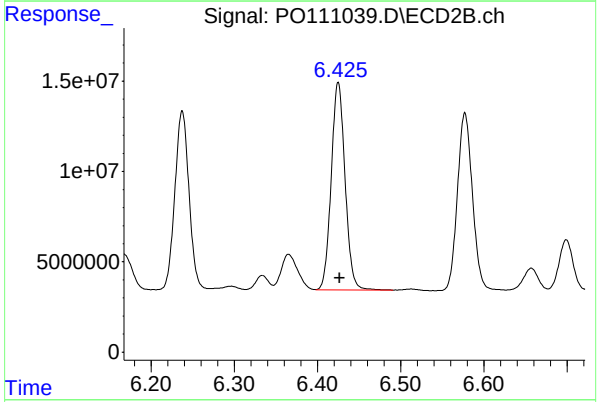
R.T.: 6.238 min
Delta R.T.: -0.002 min
Response: 116833271
Conc: 529.21 ng/ml



#32 AR-1260-2

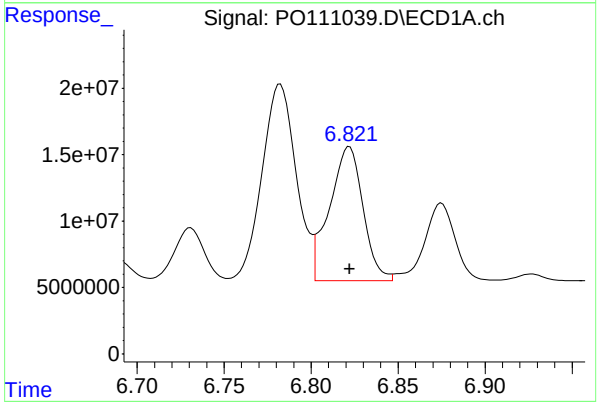
R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 176822473
Conc: 426.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMSD



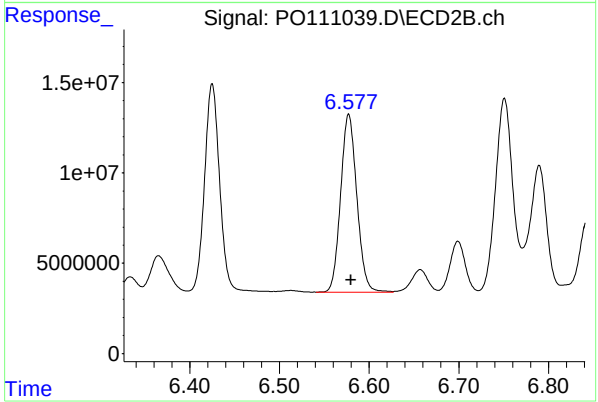
#32 AR-1260-2

R.T.: 6.425 min
Delta R.T.: -0.002 min
Response: 132913001
Conc: 516.71 ng/ml



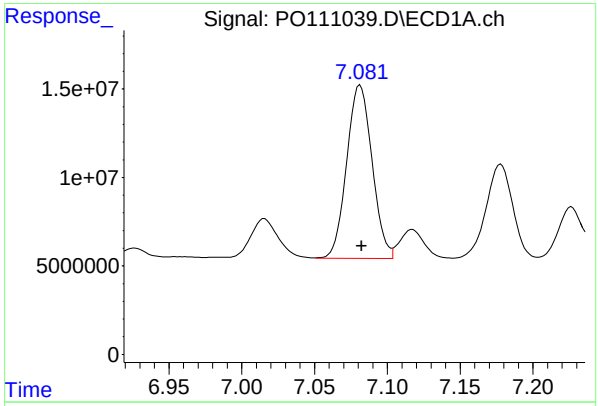
#33 AR-1260-3

R.T.: 6.822 min
Delta R.T.: 0.000 min
Response: 135901892
Conc: 385.79 ng/ml



#33 AR-1260-3

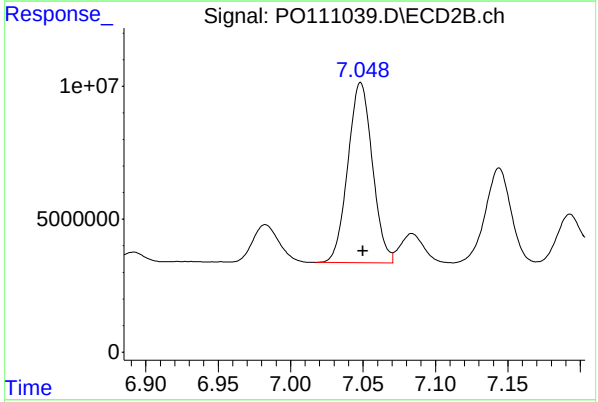
R.T.: 6.577 min
Delta R.T.: -0.003 min
Response: 123815526
Conc: 531.07 ng/ml



#34 AR-1260-4

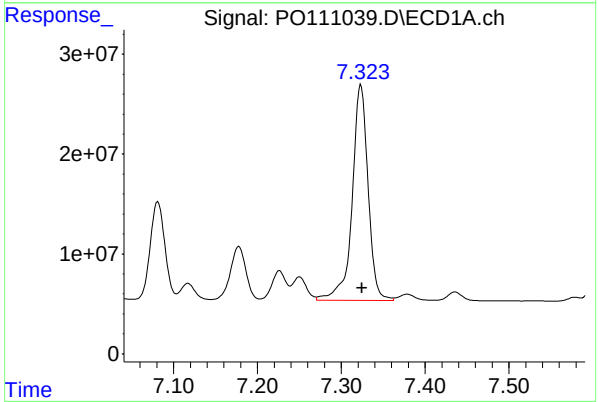
R.T.: 7.081 min
Delta R.T.: -0.001 min
Response: 119108745
Conc: 391.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
MH-IMSD



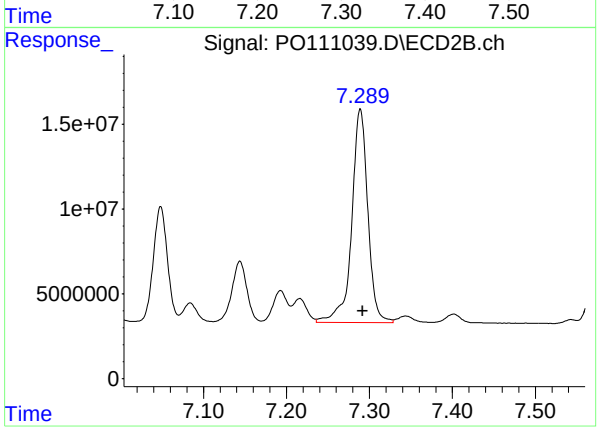
#34 AR-1260-4

R.T.: 7.048 min
Delta R.T.: -0.002 min
Response: 79823441
Conc: 438.36 ng/ml



#35 AR-1260-5

R.T.: 7.323 min
Delta R.T.: -0.001 min
Response: 285764325
Conc: 389.12 ng/ml



#35 AR-1260-5

R.T.: 7.289 min
Delta R.T.: -0.003 min
Response: 170220549
Conc: 432.92 ng/ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO050225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO110896.D	AR-1260-4 #2	yogesh	5/5/2025 7:39:44 AM	mohammad	5/6/2025 4:48:57	Peak Integrated by Software
AR1660ICC050	PO110896.D	AR-1260-5 #2	yogesh	5/5/2025 7:39:44 AM	mohammad	5/6/2025 4:48:57	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-1 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-2 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-3	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-3 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-4	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	AR-1268-4 #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	Tetrachloro-m-xylene	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICC050	PO110919.D	Tetrachloro-m-xylene #2	yogesh	5/5/2025 7:39:48 AM	mohammad	5/6/2025 4:48:54	Peak Integrated by Software
AR1268ICV500	PO110924.D	AR-1268-1	yogesh	5/5/2025 7:39:50 AM	mohammad	5/6/2025 4:48:51	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO051225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	po051325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO111029.D	AR-1254-5	yogesh	5/14/2025 7:38:13 AM	mohammad	5/15/2025 3:42:21	Peak Integrated by Software
AR1660CCC500	PO111041.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:38:03 AM	mohammad	5/15/2025 3:42:21	Peak Integrated by Software
AR1242CCC500	PO111042.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:38:05 AM	mohammad	5/15/2025 3:42:21	Peak Integrated by Software
AR1254CCC500	PO111044.D	AR-1254-5	yogesh	5/14/2025 7:38:06 AM	mohammad	5/15/2025 3:42:21	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO051425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP071393.D	AR-1260-3	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1660ICC050	PP071393.D	AR-1260-4	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1660ICC050	PP071393.D	AR-1260-5	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1254ICC750	PP071407.D	AR-1254-5	yogesh	4/23/2025 7:32:40 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1254ICC050	PP071410.D	Tetrachloro-m-xylene	yogesh	4/23/2025 7:32:41 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC1000	PP071412.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:43 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC750	PP071413.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:44 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC500	PP071414.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:46 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC250	PP071415.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:48 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-1	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-2	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICV500	PP071421.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:52 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072003.D	AR-1016-1	yogesh	5/14/2025 7:36:08 AM			Peak Integrated by Software
AR1660CCC500	PP072003.D	AR-1016-1 #2	yogesh	5/14/2025 7:36:08 AM			Peak Integrated by Software
AR1660CCC500	PP072003.D	AR-1016-2	yogesh	5/14/2025 7:36:08 AM			Peak Integrated by Software
AR1660CCC500	PP072003.D	AR-1016-2 #2	yogesh	5/14/2025 7:36:08 AM			Peak Integrated by Software
AR1660CCC500	PP072003.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:08 AM			Peak Integrated by Software
AR1242CCC500	PP072004.D	AR-1242-1 #2	yogesh	5/14/2025 7:36:10 AM			Peak Integrated by Software
AR1242CCC500	PP072004.D	AR-1242-2 #2	yogesh	5/14/2025 7:36:10 AM			Peak Integrated by Software
AR1242CCC500	PP072004.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:10 AM			Peak Integrated by Software
AR1242CCC500	PP072004.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:10 AM			Peak Integrated by Software
AR1248CCC500	PP072005.D	AR-1248-1 #2	yogesh	5/14/2025 7:36:12 AM			Peak Integrated by Software
AR1248CCC500	PP072005.D	Decachlorobiphenyl	yogesh	5/14/2025 7:36:12 AM			Peak Integrated by Software
AR1248CCC500	PP072005.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:12 AM			Peak Integrated by Software
AR1248CCC500	PP072005.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:12 AM			Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072006.D	AR-1254-4 #2	yogesh	5/14/2025 7:36:14 AM			Peak Integrated by Software
AR1254CCC500	PP072006.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:14 AM			Peak Integrated by Software
I.BLK	PP072007.D	Decachlorobiphenyl	yogesh	5/15/2025 8:20:09 AM			Peak Integrated by Software
I.BLK	PP072007.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:20:09 AM			Peak Integrated by Software
I.BLK	PP072007.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:20:09 AM			Peak Integrated by Software
Q1984-13	PP072008.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:19 AM			Peak Integrated by Software
Q1984-13	PP072008.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:19 AM			Peak Integrated by Software
AR1660CCC500	PP072018.D	AR-1016-1	yogesh	5/14/2025 7:36:40 AM			Peak Integrated by Software
AR1660CCC500	PP072018.D	AR-1016-1 #2	yogesh	5/14/2025 7:36:40 AM			Peak Integrated by Software
AR1660CCC500	PP072018.D	AR-1016-2	yogesh	5/14/2025 7:36:40 AM			Peak Integrated by Software
AR1660CCC500	PP072018.D	AR-1016-2 #2	yogesh	5/14/2025 7:36:40 AM			Peak Integrated by Software
AR1660CCC500	PP072018.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:40 AM			Peak Integrated by Software
AR1242CCC500	PP072019.D	AR-1242-1 #2	yogesh	5/14/2025 7:36:41 AM			Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072019.D	AR-1242-2 #2	yogesh	5/14/2025 7:36:41 AM			Peak Integrated by Software
AR1242CCC500	PP072019.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:41 AM			Peak Integrated by Software
AR1248CCC500	PP072020.D	AR-1248-1 #2	yogesh	5/14/2025 7:36:43 AM			Peak Integrated by Software
AR1248CCC500	PP072020.D	AR-1248-3	yogesh	5/14/2025 7:36:43 AM			Peak Integrated by Software
AR1248CCC500	PP072020.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:43 AM			Peak Integrated by Software
AR1254CCC500	PP072021.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:45 AM			Peak Integrated by Software
AR1254CCC500	PP072021.D	Tetrachloro-m-xylene #2	yogesh	5/14/2025 7:36:45 AM			Peak Integrated by Software
I.BLK	PP072022.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:36:47 AM			Peak Integrated by Software
AR1660CCC500	PP072027.D	AR-1016-1 #2	yogesh	5/14/2025 7:37:00 AM			Peak Integrated by Software
AR1660CCC500	PP072027.D	AR-1016-2 #2	yogesh	5/14/2025 7:37:00 AM			Peak Integrated by Software
AR1660CCC500	PP072027.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:00 AM			Peak Integrated by Software
AR1242CCC500	PP072028.D	AR-1242-1 #2	yogesh	5/14/2025 7:37:02 AM			Peak Integrated by Software
AR1242CCC500	PP072028.D	AR-1242-2 #2	yogesh	5/14/2025 7:37:02 AM			Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	pp051325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072028.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:02 AM			Peak Integrated by Software
AR1248CCC500	PP072029.D	AR-1248-1 #2	yogesh	5/14/2025 7:37:04 AM			Peak Integrated by Software
AR1248CCC500	PP072029.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:04 AM			Peak Integrated by Software
AR1254CCC500	PP072030.D	AR-1254-4 #2	yogesh	5/14/2025 7:37:06 AM			Peak Integrated by Software
AR1254CCC500	PP072030.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:06 AM			Peak Integrated by Software
I.BLK	PP072031.D	Decachlorobiphenyl #2	yogesh	5/14/2025 7:37:08 AM			Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM		
SubDirectory	PO050225	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,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	PO110890.D	02 May 2025 09:08	YP/AJ	Ok
2	I.BLK	PO110891.D	02 May 2025 09:27	YP/AJ	Ok
3	AR1660ICC1000	PO110892.D	02 May 2025 09:45	YP/AJ	Ok
4	AR1660ICC750	PO110893.D	02 May 2025 10:04	YP/AJ	Ok
5	AR1660ICC500	PO110894.D	02 May 2025 10:21	YP/AJ	Ok
6	AR1660ICC250	PO110895.D	02 May 2025 10:39	YP/AJ	Ok
7	AR1660ICC050	PO110896.D	02 May 2025 10:58	YP/AJ	Ok,M
8	AR1221ICC500	PO110897.D	02 May 2025 11:16	YP/AJ	Ok
9	AR1232ICC500	PO110898.D	02 May 2025 11:34	YP/AJ	Ok
10	AR1242ICC1000	PO110899.D	02 May 2025 11:53	YP/AJ	Ok
11	AR1242ICC750	PO110900.D	02 May 2025 12:11	YP/AJ	Ok
12	AR1242ICC500	PO110901.D	02 May 2025 12:29	YP/AJ	Ok
13	AR1242ICC250	PO110902.D	02 May 2025 12:48	YP/AJ	Ok
14	AR1242ICC050	PO110903.D	02 May 2025 13:06	YP/AJ	Ok
15	AR1248ICC1000	PO110904.D	02 May 2025 13:25	YP/AJ	Ok
16	AR1248ICC750	PO110905.D	02 May 2025 13:43	YP/AJ	Ok
17	AR1248ICC500	PO110906.D	02 May 2025 14:00	YP/AJ	Ok
18	AR1248ICC250	PO110907.D	02 May 2025 14:35	YP/AJ	Ok
19	AR1248ICC050	PO110908.D	02 May 2025 14:53	YP/AJ	Ok
20	AR1254ICC1000	PO110909.D	02 May 2025 15:12	YP/AJ	Ok
21	AR1254ICC750	PO110910.D	02 May 2025 15:30	YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM		
SubDirectory	PO050225	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,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	PO110911.D	02 May 2025 15:48	YP/AJ	Ok
23	AR1254ICC250	PO110912.D	02 May 2025 16:07	YP/AJ	Ok
24	AR1254ICC050	PO110913.D	02 May 2025 16:25	YP/AJ	Ok
25	AR1262ICC500	PO110914.D	02 May 2025 17:01	YP/AJ	Ok
26	AR1268ICC1000	PO110915.D	02 May 2025 17:19	YP/AJ	Ok
27	AR1268ICC750	PO110916.D	02 May 2025 17:38	YP/AJ	Ok
28	AR1268ICC500	PO110917.D	02 May 2025 17:55	YP/AJ	Ok
29	AR1268ICC250	PO110918.D	02 May 2025 18:12	YP/AJ	Ok
30	AR1268ICC050	PO110919.D	02 May 2025 18:29	YP/AJ	Ok,M
31	PO050225ICV500	PO110920.D	02 May 2025 19:41	YP/AJ	Ok
32	AR1242ICV500	PO110921.D	02 May 2025 20:18	YP/AJ	Ok
33	AR1248ICV500	PO110922.D	02 May 2025 20:54	YP/AJ	Ok
34	AR1254ICV500	PO110923.D	02 May 2025 21:31	YP/AJ	Ok
35	AR1268ICV500	PO110924.D	02 May 2025 22:08	YP/AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051225

Review By	yogesh	Review On	5/12/2025 1:37:13 PM		
Supervise By	mohammad	Supervise On	5/14/2025 5:13:21 AM		
SubDirectory	PO051225	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,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	PO111004.D	12 May 2025 08:20	YP/AJ	Ok
2	AR1660CCC500	PO111005.D	12 May 2025 09:07	YP/AJ	Ok
3	AR1242CCC500	PO111006.D	12 May 2025 09:25	YP/AJ	Ok
4	AR1248CCC500	PO111007.D	12 May 2025 09:44	YP/AJ	Ok
5	AR1254CCC500	PO111008.D	12 May 2025 10:02	YP/AJ	Ok
6	I.BLK	PO111009.D	12 May 2025 10:20	YP/AJ	Ok
7	PB167949BL	PO111010.D	12 May 2025 13:05	YP/AJ	Ok
8	PB167949BS	PO111011.D	12 May 2025 13:23	YP/AJ	Ok
9	Q1984-01	PO111012.D	12 May 2025 13:42	YP/AJ	Ok
10	Q1984-03	PO111013.D	12 May 2025 14:00	YP/AJ	Ok
11	Q1984-05	PO111014.D	12 May 2025 14:19	YP/AJ	Ok
12	Q1984-07	PO111015.D	12 May 2025 14:37	YP/AJ	Ok
13	Q1984-09	PO111016.D	12 May 2025 14:54	YP/AJ	ReRun
14	Q1984-11	PO111017.D	12 May 2025 15:12	YP/AJ	Ok
15	Q1984-11MS	PO111018.D	12 May 2025 15:31	YP/AJ	Ok
16	Q1984-11MSD	PO111019.D	12 May 2025 15:49	YP/AJ	Ok
17	AR1660CCC500	PO111020.D	12 May 2025 17:31	YP/AJ	Ok
18	AR1242CCC500	PO111021.D	12 May 2025 18:26	YP/AJ	Ok
19	AR1248CCC500	PO111022.D	12 May 2025 18:45	YP/AJ	Ok
20	AR1254CCC500	PO111023.D	12 May 2025 19:03	YP/AJ	Ok
21	I.BLK	PO111024.D	12 May 2025 19:21	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051325

Review By	yogesh	Review On	5/13/2025 10:46:19 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:21 AM		
SubDirectory	PO051325	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	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	PO111025.D	13 May 2025 08:31	YP/AJ	Ok
2	AR1660CCC500	PO111026.D	13 May 2025 09:08	YP/AJ	Ok
3	AR1242CCC500	PO111027.D	13 May 2025 09:33	YP/AJ	Ok
4	AR1248CCC500	PO111028.D	13 May 2025 09:51	YP/AJ	Ok
5	AR1254CCC500	PO111029.D	13 May 2025 10:10	YP/AJ	Ok,M
6	I.BLK	PO111030.D	13 May 2025 10:28	YP/AJ	Ok
7	Q1984-09	PO111031.D	13 May 2025 10:46	YP/AJ	Ok
8	PB167972BL	PO111032.D	13 May 2025 13:24	YP/AJ	Ok
9	PB167972BS	PO111033.D	13 May 2025 13:42	YP/AJ	Ok
10	Q1982-01	PO111034.D	13 May 2025 14:01	YP/AJ	Ok
11	Q1982-02	PO111035.D	13 May 2025 14:19	YP/AJ	Ok
12	Q1982-03	PO111036.D	13 May 2025 14:37	YP/AJ	Ok
13	Q2017-01	PO111037.D	13 May 2025 14:56	YP/AJ	Ok
14	Q2017-01MS	PO111038.D	13 May 2025 15:14	YP/AJ	Ok
15	Q2017-01MSD	PO111039.D	13 May 2025 15:32	YP/AJ	Ok
16	Q2017-05	PO111040.D	13 May 2025 15:51	YP/AJ	Ok
17	AR1660CCC500	PO111041.D	13 May 2025 17:33	YP/AJ	Ok,M
18	AR1242CCC500	PO111042.D	13 May 2025 18:28	YP/AJ	Ok,M
19	AR1248CCC500	PO111043.D	13 May 2025 18:46	YP/AJ	Ok
20	AR1254CCC500	PO111044.D	13 May 2025 19:04	YP/AJ	Ok,M
21	I.BLK	PO111045.D	13 May 2025 19:23	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051425

Review By	yogesh	Review On	5/14/2025 10:29:20 AM		
Supervise By		Supervise On			
SubDirectory	PO051425	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,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	PO111046.D	14 May 2025 08:56	YP/AJ	Ok
2	AR1660CCC500	PO111047.D	14 May 2025 09:14	YP/AJ	Ok
3	AR1242CCC500	PO111048.D	14 May 2025 09:36	YP/AJ	Ok
4	AR1248CCC500	PO111049.D	14 May 2025 09:54	YP/AJ	Ok
5	AR1254CCC500	PO111050.D	14 May 2025 10:12	YP/AJ	Ok
6	I.BLK	PO111051.D	14 May 2025 10:31	YP/AJ	Ok
7	Q1984-15	PO111052.D	14 May 2025 10:49	YP/AJ	Ok
8	Q2014-05	PO111053.D	14 May 2025 11:35	YP/AJ	Ok,NR
9	AR1660CCC500	PO111054.D	14 May 2025 12:33	YP/AJ	Ok
10	I.BLK	PO111055.D	14 May 2025 15:47	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 # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

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	PP071387.D	22 Apr 2025 09:56	YP\AJ	Ok
2	I.BLK	PP071388.D	22 Apr 2025 10:13	YP\AJ	Ok
3	AR1660ICC1000	PP071389.D	22 Apr 2025 10:29	YP\AJ	Ok
4	AR1660ICC750	PP071390.D	22 Apr 2025 10:45	YP\AJ	Ok
5	AR1660ICC500	PP071391.D	22 Apr 2025 11:02	YP\AJ	Ok
6	AR1660ICC250	PP071392.D	22 Apr 2025 11:18	YP\AJ	Ok
7	AR1660ICC050	PP071393.D	22 Apr 2025 11:34	YP\AJ	Ok,M
8	AR1221ICC500	PP071394.D	22 Apr 2025 11:51	YP\AJ	Ok
9	AR1232ICC500	PP071395.D	22 Apr 2025 12:07	YP\AJ	Ok
10	AR1242ICC1000	PP071396.D	22 Apr 2025 12:23	YP\AJ	Ok
11	AR1242ICC750	PP071397.D	22 Apr 2025 12:39	YP\AJ	Ok
12	AR1242ICC500	PP071398.D	22 Apr 2025 12:56	YP\AJ	Ok
13	AR1242ICC250	PP071399.D	22 Apr 2025 13:12	YP\AJ	Ok
14	AR1242ICC050	PP071400.D	22 Apr 2025 13:28	YP\AJ	Ok
15	AR1248ICC1000	PP071401.D	22 Apr 2025 13:45	YP\AJ	Ok
16	AR1248ICC750	PP071402.D	22 Apr 2025 14:01	YP\AJ	Ok
17	AR1248ICC500	PP071403.D	22 Apr 2025 14:17	YP\AJ	Ok
18	AR1248ICC250	PP071404.D	22 Apr 2025 14:33	YP\AJ	Ok
19	AR1248ICC050	PP071405.D	22 Apr 2025 14:50	YP\AJ	Ok
20	AR1254ICC1000	PP071406.D	22 Apr 2025 15:06	YP\AJ	Ok
21	AR1254ICC750	PP071407.D	22 Apr 2025 15:22	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 # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

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	AR1254ICC500	PP071408.D	22 Apr 2025 15:38	YP\AJ	Ok
23	AR1254ICC250	PP071409.D	22 Apr 2025 15:55	YP\AJ	Ok
24	AR1254ICC050	PP071410.D	22 Apr 2025 16:11	YP\AJ	Ok,M
25	AR1262ICC500	PP071411.D	22 Apr 2025 16:27	YP\AJ	Ok
26	AR1268ICC1000	PP071412.D	22 Apr 2025 16:44	YP\AJ	Ok,M
27	AR1268ICC750	PP071413.D	22 Apr 2025 17:00	YP\AJ	Ok,M
28	AR1268ICC500	PP071414.D	22 Apr 2025 17:16	YP\AJ	Ok,M
29	AR1268ICC250	PP071415.D	22 Apr 2025 17:33	YP\AJ	Ok,M
30	AR1268ICC050	PP071416.D	22 Apr 2025 17:49	YP\AJ	Ok,M
31	PP042225ICV500	PP071417.D	22 Apr 2025 18:05	YP\AJ	Ok
32	AR1242ICV500	PP071418.D	22 Apr 2025 18:38	YP\AJ	Ok
33	AR1248ICV500	PP071419.D	22 Apr 2025 19:27	YP\AJ	Ok
34	AR1254ICV500	PP071420.D	22 Apr 2025 19:43	YP\AJ	Ok
35	AR1268ICV500	PP071421.D	22 Apr 2025 20:16	YP\AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051325

Review By	yogesh	Review On	5/13/2025 10:45:34 AM		
Supervise By		Supervise On			
SubDirectory	PP051325	HP Acquire Method		HP Processing Method	PP042225

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	PP072002.D	13 May 2025 08:29	YP\AJ	Ok
2	AR1660CCC500	PP072003.D	13 May 2025 08:46	YP\AJ	Ok,NS
3	AR1242CCC500	PP072004.D	13 May 2025 09:02	YP\AJ	Ok,NS
4	AR1248CCC500	PP072005.D	13 May 2025 09:19	YP\AJ	Ok,NS
5	AR1254CCC500	PP072006.D	13 May 2025 09:36	YP\AJ	Ok,NS
6	I.BLK	PP072007.D	13 May 2025 09:52	YP\AJ	Ok,NS
7	Q1984-13	PP072008.D	13 May 2025 10:08	YP\AJ	Ok,NS
8	Q1982-04	PP072009.D	13 May 2025 13:02	YP\AJ	Ok,NS
9	Q1982-05	PP072010.D	13 May 2025 13:18	YP\AJ	Ok,NS
10	Q1982-06	PP072011.D	13 May 2025 13:35	YP\AJ	Ok,NS
11	Q1982-07	PP072012.D	13 May 2025 13:51	YP\AJ	Ok,NS
12	Q1982-08	PP072013.D	13 May 2025 14:07	YP\AJ	Ok,NS
13	Q1984-15	PP072014.D	13 May 2025 14:23	YP\AJ	ReRun
14	Q2001-02	PP072015.D	13 May 2025 14:40	YP\AJ	Ok,NS
15	Q2001-06	PP072016.D	13 May 2025 14:56	YP\AJ	Ok,NS
16	Q2001-10	PP072017.D	13 May 2025 15:13	YP\AJ	Ok,NS
17	AR1660CCC500	PP072018.D	13 May 2025 16:35	YP\AJ	Ok,NS
18	AR1242CCC500	PP072019.D	13 May 2025 17:24	YP\AJ	Ok,NS
19	AR1248CCC500	PP072020.D	13 May 2025 17:40	YP\AJ	Ok,NS
20	AR1254CCC500	PP072021.D	13 May 2025 17:56	YP\AJ	Ok,NS
21	I.BLK	PP072022.D	13 May 2025 18:13	YP\AJ	Ok,NS

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 # PP051325

Review By	yogesh	Review On	5/13/2025 10:45:34 AM		
Supervise By		Supervise On			
SubDirectory	PP051325	HP Acquire Method		HP Processing Method	PP042225

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	Q2001-14	PP072023.D	13 May 2025 18:29	YP\AJ	Ok,NS
23	Q2014-01	PP072024.D	13 May 2025 18:45	YP\AJ	Ok,NS
24	Q2014-03	PP072025.D	13 May 2025 19:01	YP\AJ	Ok,NS
25	Q2014-05	PP072026.D	13 May 2025 19:18	YP\AJ	Not Ok
26	AR1660CCC500	PP072027.D	13 May 2025 20:39	YP\AJ	Ok,NS
27	AR1242CCC500	PP072028.D	13 May 2025 21:28	YP\AJ	Ok,NS
28	AR1248CCC500	PP072029.D	13 May 2025 21:45	YP\AJ	Ok,NS
29	AR1254CCC500	PP072030.D	13 May 2025 22:01	YP\AJ	Ok,NS
30	I.BLK	PP072031.D	13 May 2025 22:17	YP\AJ	Ok,NS

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM		
SubDirectory	PO050225	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110890.D	02 May 2025 09:08		YP/AJ	Ok
2	I.BLK	I.BLK	PO110891.D	02 May 2025 09:27		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO110892.D	02 May 2025 09:45		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO110893.D	02 May 2025 10:04		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO110894.D	02 May 2025 10:21		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO110895.D	02 May 2025 10:39		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO110896.D	02 May 2025 10:58		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO110897.D	02 May 2025 11:16		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO110898.D	02 May 2025 11:34		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO110899.D	02 May 2025 11:53		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO110900.D	02 May 2025 12:11		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO110901.D	02 May 2025 12:29		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO110902.D	02 May 2025 12:48		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO110903.D	02 May 2025 13:06		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO110904.D	02 May 2025 13:25		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO110905.D	02 May 2025 13:43		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO110906.D	02 May 2025 14:00		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO110907.D	02 May 2025 14:35		YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO050225

Review By	yogesh	Review On	5/2/2025 11:26:03 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:49:19 AM		
SubDirectory	PO050225	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO110908.D	02 May 2025 14:53		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO110909.D	02 May 2025 15:12		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO110910.D	02 May 2025 15:30		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO110911.D	02 May 2025 15:48		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO110912.D	02 May 2025 16:07		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO110913.D	02 May 2025 16:25		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO110914.D	02 May 2025 17:01		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO110915.D	02 May 2025 17:19		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO110916.D	02 May 2025 17:38		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO110917.D	02 May 2025 17:55		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO110918.D	02 May 2025 18:12		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO110919.D	02 May 2025 18:29		YP/AJ	Ok,M
31	PO050225ICV500	ICVPO050225	PO110920.D	02 May 2025 19:41		YP/AJ	Ok
32	AR1242ICV500	ICVPO050225AR1242	PO110921.D	02 May 2025 20:18		YP/AJ	Ok
33	AR1248ICV500	ICVPO050225AR1248	PO110922.D	02 May 2025 20:54		YP/AJ	Ok
34	AR1254ICV500	ICVPO050225AR1254	PO110923.D	02 May 2025 21:31		YP/AJ	Ok
35	AR1268ICV500	ICVPO050225AR1268	PO110924.D	02 May 2025 22:08		YP/AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051225

Review By	yogesh	Review On	5/12/2025 1:37:13 PM		
Supervise By	mohammad	Supervise On	5/14/2025 5:13:21 AM		
SubDirectory	PO051225	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	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	PO111004.D	12 May 2025 08:20		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO111005.D	12 May 2025 09:07	DCB low in 1st column	YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO111006.D	12 May 2025 09:25	DCB low in 1st column	YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO111007.D	12 May 2025 09:44	AR1248-01 -high in sec column	YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO111008.D	12 May 2025 10:02		YP/AJ	Ok
6	I.BLK	I.BLK	PO111009.D	12 May 2025 10:20		YP/AJ	Ok
7	PB167949BL	PB167949BL	PO111010.D	12 May 2025 13:05		YP/AJ	Ok
8	PB167949BS	PB167949BS	PO111011.D	12 May 2025 13:23		YP/AJ	Ok
9	Q1984-01	OU4-PCS-TC-33-05072	PO111012.D	12 May 2025 13:42		YP/AJ	Ok
10	Q1984-03	OU4-PCS-TC-34-05072	PO111013.D	12 May 2025 14:00		YP/AJ	Ok
11	Q1984-05	OU4-PCS-TC-35-05072	PO111014.D	12 May 2025 14:19		YP/AJ	Ok
12	Q1984-07	OU4-TS-24-050725	PO111015.D	12 May 2025 14:37		YP/AJ	Ok
13	Q1984-09	OU4-TS-25-050725	PO111016.D	12 May 2025 14:54	DCB low in both column	YP/AJ	ReRun
14	Q1984-11	OU4-TS-26-050725	PO111017.D	12 May 2025 15:12	DCB low in both column confirms with ms msd	YP/AJ	Ok
15	Q1984-11MS	OU4-TS-26-050725MS	PO111018.D	12 May 2025 15:31	DCB low in both column	YP/AJ	Ok
16	Q1984-11MSD	OU4-TS-26-050725MS	PO111019.D	12 May 2025 15:49	DCB low in both column , RPD fail for AR1260	YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO111020.D	12 May 2025 17:31	DCB low in 1st column	YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051225

Review By	yogesh	Review On	5/12/2025 1:37:13 PM		
Supervise By	mohammad	Supervise On	5/14/2025 5:13:21 AM		
SubDirectory	PO051225	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	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	PO111021.D	12 May 2025 18:26	DCB low in 1st column	YP/AJ	Ok
19	AR1248CCC500	AR1248CCC500	PO111022.D	12 May 2025 18:45	AR1248 CCC is failing high in sec column	YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO111023.D	12 May 2025 19:03		YP/AJ	Ok
21	I.BLK	I.BLK	PO111024.D	12 May 2025 19:21		YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051325

Review By	yogesh	Review On	5/13/2025 10:46:19 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:21 AM		
SubDirectory	PO051325	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	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	PO111025.D	13 May 2025 08:31		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO111026.D	13 May 2025 09:08		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO111027.D	13 May 2025 09:33	DCB high in 2nd column	YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO111028.D	13 May 2025 09:51	AR1248 high in 2nd column , TCMX high in 2nd column	YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO111029.D	13 May 2025 10:10		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO111030.D	13 May 2025 10:28		YP/AJ	Ok
7	Q1984-09	OU4-TS-25-050725	PO111031.D	13 May 2025 10:46		YP/AJ	Ok
8	PB167972BL	PB167972BL	PO111032.D	13 May 2025 13:24		YP/AJ	Ok
9	PB167972BS	PB167972BS	PO111033.D	13 May 2025 13:42		YP/AJ	Ok
10	Q1982-01	TP-1	PO111034.D	13 May 2025 14:01		YP/AJ	Ok
11	Q1982-02	TP-2B	PO111035.D	13 May 2025 14:19		YP/AJ	Ok
12	Q1982-03	TP-3	PO111036.D	13 May 2025 14:37		YP/AJ	Ok
13	Q2017-01	MH-I	PO111037.D	13 May 2025 14:56		YP/AJ	Ok
14	Q2017-01MS	MH-IMS	PO111038.D	13 May 2025 15:14		YP/AJ	Ok
15	Q2017-01MSD	MH-IMSD	PO111039.D	13 May 2025 15:32		YP/AJ	Ok
16	Q2017-05	MH-J	PO111040.D	13 May 2025 15:51		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO111041.D	13 May 2025 17:33		YP/AJ	Ok,M

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051325

Review By	yogesh	Review On	5/13/2025 10:46:19 AM		
Supervise By	mohammad	Supervise On	5/15/2025 3:42:21 AM		
SubDirectory	PO051325	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	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	PO111042.D	13 May 2025 18:28	DCB high in 2nd column	YP/AJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PO111043.D	13 May 2025 18:46		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO111044.D	13 May 2025 19:04		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO111045.D	13 May 2025 19:23		YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO051425

Review By	yogesh	Review On	5/14/2025 10:29:20 AM		
Supervise By		Supervise On			
SubDirectory	PO051425	HP Acquire Method		HP Processing Method	PO050225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	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	PO111046.D	14 May 2025 08:56		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO111047.D	14 May 2025 09:14		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO111048.D	14 May 2025 09:36		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO111049.D	14 May 2025 09:54	TCMX & AR1248 high in 2nd column	YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO111050.D	14 May 2025 10:12		YP/AJ	Ok
6	I.BLK	I.BLK	PO111051.D	14 May 2025 10:31		YP/AJ	Ok
7	Q1984-15	OU4-TS-28-050725	PO111052.D	14 May 2025 10:49		YP/AJ	Ok
8	Q2014-05	MOO-25-0148	PO111053.D	14 May 2025 11:35	TCMX having F Flag in both column, F flag confirm with previous run	YP/AJ	Ok,NR
9	AR1660CCC500	AR1660CCC500	PO111054.D	14 May 2025 12:33		YP/AJ	Ok
10	I.BLK	I.BLK	PO111055.D	14 May 2025 15:47		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 # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

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	PP071387.D	22 Apr 2025 09:56		YP\AJ	Ok
2	I.BLK	I.BLK	PP071388.D	22 Apr 2025 10:13		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP071389.D	22 Apr 2025 10:29		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP071390.D	22 Apr 2025 10:45		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP071391.D	22 Apr 2025 11:02		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP071392.D	22 Apr 2025 11:18		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP071393.D	22 Apr 2025 11:34		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP071394.D	22 Apr 2025 11:51		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP071395.D	22 Apr 2025 12:07		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP071396.D	22 Apr 2025 12:23		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP071397.D	22 Apr 2025 12:39		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP071398.D	22 Apr 2025 12:56		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP071399.D	22 Apr 2025 13:12		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP071400.D	22 Apr 2025 13:28		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP071401.D	22 Apr 2025 13:45		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP071402.D	22 Apr 2025 14:01		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP071403.D	22 Apr 2025 14:17		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP071404.D	22 Apr 2025 14:33		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 # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM		
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM		
SubDirectory	PP042225	HP Acquire Method		HP Processing Method	PP042225

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	AR1248ICC050	AR1248ICC050	PP071405.D	22 Apr 2025 14:50		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP071406.D	22 Apr 2025 15:06		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP071407.D	22 Apr 2025 15:22		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP071408.D	22 Apr 2025 15:38		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP071409.D	22 Apr 2025 15:55		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP071410.D	22 Apr 2025 16:11		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP071411.D	22 Apr 2025 16:27		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP071412.D	22 Apr 2025 16:44		YP\AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP071413.D	22 Apr 2025 17:00		YP\AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP071414.D	22 Apr 2025 17:16		YP\AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP071415.D	22 Apr 2025 17:33		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP071416.D	22 Apr 2025 17:49		YP\AJ	Ok,M
31	PP042225ICV500	ICVPP042225	PP071417.D	22 Apr 2025 18:05		YP\AJ	Ok
32	AR1242ICV500	ICVPP042225AR1242	PP071418.D	22 Apr 2025 18:38		YP\AJ	Ok
33	AR1248ICV500	ICVPP042225AR1248	PP071419.D	22 Apr 2025 19:27		YP\AJ	Ok
34	AR1254ICV500	ICVPP042225AR1254	PP071420.D	22 Apr 2025 19:43		YP\AJ	Ok
35	AR1268ICV500	ICVPP042225AR1268	PP071421.D	22 Apr 2025 20:16		YP\AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051325

Review By	yogesh	Review On	5/13/2025 10:45:34 AM		
Supervise By		Supervise On			
SubDirectory	PP051325	HP Acquire Method		HP Processing Method	PP042225

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	PP072002.D	13 May 2025 08:29		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072003.D	13 May 2025 08:46	DCB high in 2nd column	YP\AJ	Ok,NS
3	AR1242CCC500	AR1242CCC500	PP072004.D	13 May 2025 09:02		YP\AJ	Ok,NS
4	AR1248CCC500	AR1248CCC500	PP072005.D	13 May 2025 09:19	DCB high in 2nd column	YP\AJ	Ok,NS
5	AR1254CCC500	AR1254CCC500	PP072006.D	13 May 2025 09:36	DCB high in 2nd column	YP\AJ	Ok,NS
6	I.BLK	I.BLK	PP072007.D	13 May 2025 09:52		YP\AJ	Ok,NS
7	Q1984-13	OU4-TS-27-050725	PP072008.D	13 May 2025 10:08		YP\AJ	Ok,NS
8	Q1982-04	TP-4	PP072009.D	13 May 2025 13:02		YP\AJ	Ok,NS
9	Q1982-05	TP-5	PP072010.D	13 May 2025 13:18		YP\AJ	Ok,NS
10	Q1982-06	TP-6	PP072011.D	13 May 2025 13:35		YP\AJ	Ok,NS
11	Q1982-07	TP-8	PP072012.D	13 May 2025 13:51		YP\AJ	Ok,NS
12	Q1982-08	TP-9	PP072013.D	13 May 2025 14:07		YP\AJ	Ok,NS
13	Q1984-15	OU4-TS-28-050725	PP072014.D	13 May 2025 14:23	DCB Low in both column	YP\AJ	ReRun
14	Q2001-02	WC-A4-03-C	PP072015.D	13 May 2025 14:40		YP\AJ	Ok,NS
15	Q2001-06	WC-A1-05-C	PP072016.D	13 May 2025 14:56		YP\AJ	Ok,NS
16	Q2001-10	WC-A1-06-C	PP072017.D	13 May 2025 15:13		YP\AJ	Ok,NS
17	AR1660CCC500	AR1660CCC500	PP072018.D	13 May 2025 16:35		YP\AJ	Ok,NS
18	AR1242CCC500	AR1242CCC500	PP072019.D	13 May 2025 17:24		YP\AJ	Ok,NS

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 # PP051325

Review By	yogesh	Review On	5/13/2025 10:45:34 AM		
Supervise By		Supervise On			
SubDirectory	PP051325	HP Acquire Method		HP Processing Method	PP042225

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	PP072020.D	13 May 2025 17:40		YP\AJ	Ok,NS
20	AR1254CCC500	AR1254CCC500	PP072021.D	13 May 2025 17:56		YP\AJ	Ok,NS
21	I.BLK	I.BLK	PP072022.D	13 May 2025 18:13		YP\AJ	Ok,NS
22	Q2001-14	WC-A1-07-C	PP072023.D	13 May 2025 18:29		YP\AJ	Ok,NS
23	Q2014-01	MOO-25-0134	PP072024.D	13 May 2025 18:45	DCB high in 1st column	YP\AJ	Ok,NS
24	Q2014-03	MOO-25-0145	PP072025.D	13 May 2025 19:01		YP\AJ	Ok,NS
25	Q2014-05	MOO-25-0148	PP072026.D	13 May 2025 19:18	F Flag in TCMX in 2nd column	YP\AJ	Not Ok
26	AR1660CCC500	AR1660CCC500	PP072027.D	13 May 2025 20:39	DCB high in 2nd column	YP\AJ	Ok,NS
27	AR1242CCC500	AR1242CCC500	PP072028.D	13 May 2025 21:28	DCB high in 2nd column	YP\AJ	Ok,NS
28	AR1248CCC500	AR1248CCC500	PP072029.D	13 May 2025 21:45	DCB high in 2nd column	YP\AJ	Ok,NS
29	AR1254CCC500	AR1254CCC500	PP072030.D	13 May 2025 22:01		YP\AJ	Ok,NS
30	I.BLK	I.BLK	PP072031.D	13 May 2025 22:17		YP\AJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1929-14	WC-A4-02-C	1	1.15	10.65	11.8	10.38	86.7	
Q1929-15	WC-A1-03-C	2	1.18	10.06	11.24	9.00	77.7	
Q1929-16	WC-A1-04-C	3	1.17	10.24	11.41	9.52	81.5	
Q1982-01	TP-1	4	1.15	10.33	11.48	9.51	80.9	
Q1982-02	TP-2B	5	1.18	10.20	11.38	9.85	85.0	
Q1982-03	TP-3	6	1.18	10.54	11.72	10.74	90.7	
Q1982-04	TP-4	7	1.19	10.07	11.26	9.99	87.4	
Q1982-05	TP-5	8	1.18	10.08	11.26	10.24	89.9	
Q1982-06	TP-6	9	1.16	10.74	11.9	10.42	86.2	
Q1982-07	TP-7	10	1.19	10.23	11.42	9.75	83.7	
Q1982-08	TP-8	11	1.16	10.42	11.58	9.63	81.3	
Q1983-01	OR-636-COMP-01	12	1.16	10.07	11.23	10.1	88.8	
Q1983-02	OR-636-VOC-01	13	1.18	10.23	11.41	9.74	83.7	
Q1983-03	OR-636-01	14	1.16	9.92	11.08	9.73	86.4	
Q1983-04	OR-636-02	15	1.19	10.30	11.49	10.15	87.0	
Q1983-05	OR-636-03	16	1.15	9.56	10.71	9.77	90.2	
Q1983-07	OR-636-COMP-02	17	1.17	10.61	11.78	10.6	88.9	
Q1983-08	OR-636-VOC-02	18	1.12	10.72	11.84	10.58	88.2	
Q1983-09	OR-636-04	19	1.17	10.05	11.22	9.89	86.8	
Q1983-10	OR-636-05	20	1.19	10.59	11.78	10.78	90.6	
Q1983-11	OR-636-06	21	1.18	10.14	11.32	10.02	87.2	
Q1983-13	OR-636-COMP-03	22	1.14	10.30	11.44	10.75	93.3	
Q1983-14	OR-636-VOC-03	23	1.15	10.36	11.51	10.61	91.3	
Q1983-15	OR-636-07	24	1.16	10.64	11.8	11.39	96.1	
Q1983-16	OR-636-08	25	1.14	10.73	11.87	10.89	90.9	
Q1983-17	OR-636-09	26	1.18	10.44	11.62	10.74	91.6	
Q1983-19	OR-636-COMP-04	27	1.18	10.81	11.99	11.05	91.3	
Q1983-20	OR-636-VOC-04	28	1.15	10.33	11.48	9.6	81.8	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1983-21	OR-636-10	29	1.19	10.51	11.7	10.72	90.7	
Q1983-22	OR-636-11	30	1.19	10.59	11.78	10.5	87.9	
Q1983-23	OR-636-12	31	1.15	10.43	11.58	9.76	82.6	
Q1983-25	OR-636-COMP-05	32	1.17	9.97	11.14	9.07	79.2	
Q1983-26	OR-636-VOC-05	33	1.16	10.04	11.2	9.08	78.9	
Q1983-27	OR-636-13	34	1.14	10.53	11.67	11.04	94.0	
Q1983-28	OR-636-14	35	1.15	10.52	11.67	10.00	84.1	
Q1983-29	OR-636-15	36	1.16	10.35	11.51	9.74	82.9	
Q1983-31	OR-636-COMP-06	37	1.15	9.84	10.99	9.52	85.1	
Q1983-32	OR-636-VOC-06	38	1.17	10.61	11.78	10.78	90.6	
Q1983-33	OR-636-16	39	1.19	9.73	10.92	10.4	94.7	
Q1983-34	OR-636-17	40	1.13	10.55	11.68	10.37	87.6	
Q1983-35	OR-636-18	41	1.18	10.15	11.33	9.59	82.9	
Q1983-37	OR-636-COMP-07	42	1.18	10.44	11.62	10.35	87.8	
Q1983-38	OR-636-VOC-07	43	1.12	10.77	11.89	10.88	90.6	
Q1983-39	OR-636-19	44	1.15	9.66	10.81	9.34	84.8	
Q1983-40	OR-636-20	45	1.18	10.29	11.47	10.21	87.8	
Q1983-41	OR-636-21	46	1.14	10.58	11.72	10.5	88.5	
Q1983-43	OR-636-COMP-08	47	1.15	10.25	11.4	10.45	90.7	
Q1983-44	OR-636-VOC-08	48	1.16	9.97	11.13	10.78	96.5	
Q1983-45	OR-636-22	49	1.13	10.62	11.75	10.91	92.1	
Q1983-46	OR-636-23	50	1.19	9.96	11.15	10.05	89.0	
Q1983-47	OR-636-24	51	1.13	10.33	11.46	11.18	97.3	
Q1983-49	OR-636-COMP-09	52	1.13	10.36	11.49	10.31	88.6	
Q1983-50	OR-636-VOC-09	53	1.19	10.54	11.73	10.1	84.5	
Q1983-51	OR-636-25	54	1.16	10.09	11.25	9.61	83.7	
Q1983-52	OR-636-26	55	1.18	10.11	11.29	9.93	86.5	
Q1983-53	OR-636-27	56	1.16	9.66	10.82	10.34	95.0	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1984-01	OU4-PCS-TC-33-050725	57	1.15	9.96	11.11	10.62	95.1	
Q1984-03	OU4-PCS-TC-34-050725	58	1.16	10.82	11.98	11.51	95.7	
Q1984-05	OU4-PCS-TC-35-050725	59	1.19	9.50	10.69	10.16	94.4	
Q1984-07	OU4-TS-24-050725	60	1.15	10.00	11.15	8.12	69.7	
Q1984-09	OU4-TS-25-050725	61	1.17	10.51	11.68	8.32	68.0	
Q1984-11	OU4-TS-26-050725	62	1.17	10.18	11.35	7.29	60.1	
Q1984-13	OU4-TS-27-050725	63	1.16	9.67	10.83	7.2	62.5	
Q1984-15	OU4-TS-28-050725	64	1.16	9.98	11.14	7.61	64.6	
Q1986-01	COMP-8	65	1.18	10.04	11.22	10.5	92.8	
Q1986-03	COMP-9	66	1.18	10.05	11.23	10.44	92.1	
Q1986-05	COMP-10	67	1.16	9.77	10.93	9.84	88.8	
Q1986-07	COMP-11	68	1.19	10.33	11.52	10.55	90.6	
Q1986-09	COMP-218	69	1.16	10.18	11.34	10.45	91.3	
Q1987-01	GC1	70	1.14	9.89	11.03	9.7	86.6	
Q1990-01	43025-A	71	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1990-02	43025-B	72	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1991-01	1217	73	1.00	1.00	2.00	2.00	100.0	oil sample
Q1991-03	30425	74	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1929-14	WC-A4-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-15	WC-A1-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-16	WC-A1-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1982-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-02	TP-2B	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-03	TP-3	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-04	TP-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-05	TP-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-06	TP-6	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-07	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-08	TP-8	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-01	OR-636-COMP-01	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-02	OR-636-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-03	OR-636-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-04	OR-636-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-05	OR-636-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-07	OR-636-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-08	OR-636-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-09	OR-636-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-10	OR-636-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-11	OR-636-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05108125 151.00

Raw Sample Received by: [signature] (WQC)

Raw Sample Relinquished by: [signature]

Date/Time 05108125 1730

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] (WQC)

WORKLIST(Hardcopy Internal Chain)

NB 135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-13	OR-636-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-14	OR-636-VOC-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-15	OR-636-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-16	OR-636-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-17	OR-636-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-19	OR-636-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-20	OR-636-VOC-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-21	OR-636-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-22	OR-636-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-23	OR-636-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-25	OR-636-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-26	OR-636-VOC-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-27	OR-636-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-28	OR-636-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-29	OR-636-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-31	OR-636-COMP-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-32	OR-636-VOC-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-33	OR-636-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-34	OR-636-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-35	OR-636-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-37	OR-636-COMP-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: CP

Date/Time 05/08/25 17:30

Raw Sample Received by: CP

Raw Sample Relinquished by: JB WOC

WORKLIST(Hardcopy Internal Chain)

135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-38	OR-636-VOC-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-39	OR-636-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-40	OR-636-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-41	OR-636-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-43	OR-636-COMP-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-44	OR-636-VOC-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-45	OR-636-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-46	OR-636-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-47	OR-636-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-49	OR-636-COMP-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-50	OR-636-VOC-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-51	OR-636-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-52	OR-636-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-53	OR-636-27	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1984-01	OU4-PCS-TC-33-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-03	OU4-PCS-TC-34-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-05	OU4-PCS-TC-35-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-07	OU4-TS-24-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-09	OU4-TS-25-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-11	OU4-TS-26-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-13	OU4-TS-27-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 05/08/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

LB135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-15	OU4-TS-28-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1986-01	COMP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-03	COMP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-05	COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-07	COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-09	COMP-218	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1987-01	GC1	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/07/2025	Chemtech -SO
Q1990-01	43025-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1990-02	43025-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-01	1217	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-03	30425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO

Date/Time 05/08/25 151.00

Raw Sample Received by: LWOJ

Raw Sample Relinquished by:

Date/Time 05/08/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: LWOJ

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167949

SOP ID: M3541-ASE Extraction-14

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 : 05/12/2025

Extraction Start Time : 09:05

Extraction End Date : 05/12/2025

Extraction End Time : 12:15

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	PP24461
Surrogate	1.0ML	200 PPB	PP24460
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2611
Hexane	N/A	E3933
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

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
5/12/25	RS (Ext Lab)	R-Pest-/PCB Labs
12:20	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167949

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 05/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167949BL	ABLK949	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB167949BS	ALCS949	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q1984-01	OU4-PCS-TC-33-050725	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q1984-03	OU4-PCS-TC-34-050725	PCB	30.06	N/A	ritesh	Evelyn	10	E		4
Q1984-05	OU4-PCS-TC-35-050725	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
Q1984-07	OU4-TS-24-050725	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q1984-09	OU4-TS-25-050725	PCB	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q1984-11	OU4-TS-26-050725	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q1984-11MS	OU4-TS-26-050725MS	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q1984-11MSD	OU4-TS-26-050725MSD	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q1984-13	OU4-TS-27-050725	PCB	30.07	N/A	ritesh	Evelyn	10	E		5
Q2002-01	EO-02-05092025	PCB	30.01	N/A	ritesh	Evelyn	10	E		6
Q2004-01	VNJ-220	PCB	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q2004-03	2811	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
Q2004-05	R0202	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q2004-07	205510	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q2004-09	SOIL-STOCK	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
Q2004-11	STONE-STOCK	PCB	30.08	N/A	ritesh	Evelyn	10	B	Stone	6
Q2007-01	OR-636-COMP-10	PCB	30.07	N/A	ritesh	Evelyn	10	E		U7-1
Q2007-07	OR-636-COMP-11	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q2007-13	OR-636-COMP-12	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q2007-19	OR-636-COMP-13	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q2007-25	OR-636-COMP-14	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q2007-31	OR-636-COMP-15	PCB	30.07	N/A	ritesh	Evelyn	10	E		6

RG 5/12

* **Extracts relinquished on the same date as received.**

167949
9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2002 **WorkList ID :** 189434 **Department :** Extraction **Date :** 05-12-2025 08:42:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-01	OU4-PCS-TC-33-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q1984-03	OU4-PCS-TC-34-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q1984-05	OU4-PCS-TC-35-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q1984-07	OU4-TS-24-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q1984-09	OU4-TS-25-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q1984-11	OU4-TS-26-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q1984-13	OU4-TS-27-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q2002-01	EO-02-05092025	Solid	PCB	Cool 4 deg C	PSEG05	L41	05/09/2025	8082A
Q2004-01	VNJ-220	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2004-03	2811	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2004-05	R0202	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2004-07	205510	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2004-09	SOIL-STOCK	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2004-11	STONE-STOCK	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2007-01	OR-636-COMP-10	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2007-07	OR-636-COMP-11	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2007-13	OR-636-COMP-12	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2007-19	OR-636-COMP-13	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2007-25	OR-636-COMP-14	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A
Q2007-31	OR-636-COMP-15	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/09/2025	8082A

Date/Time 05/12/25 9:00
Raw Sample Received by: RJ (EXT-lab)
Raw Sample Relinquished by:

Date/Time 05/12/25 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT-lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167972

SOP ID: M3541-ASE Extraction-14

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 : 05/13/2025

Extraction Start Time : 08:30

Extraction End Date : 05/13/2025

Extraction End Time : 11:40

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	PP24461
Surrogate	1.0ML	200 PPB	PP24460
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2611
Hexane	N/A	E3933
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/13/25	RS (Ext lab)	JR Pest/PCB Lab
11:45	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167972

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 05/13/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167972BL	ABLK972	PCB	30.02	N/A	ritesh	Evelyn	10			U1-1
PB167972BS	ALCS972	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q1982-01	TP-1	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q1982-02	TP-2B	PCB	30.06	N/A	ritesh	Evelyn	10	E		4
Q1982-03	TP-3	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q1982-04	TP-4	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q1982-05	TP-5	PCB	30.01	N/A	ritesh	Evelyn	10	E		U2-1
Q1982-06	TP-6	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q1982-07	TP-8	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q1982-08	TP-9	PCB	30.04	N/A	ritesh	Evelyn	10	E		4
Q1984-15	OU4-TS-28-050725	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q2001-02	WC-A4-03-C	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
Q2001-06	WC-A1-05-C	PCB	30.02	N/A	ritesh	Evelyn	10	E		U3-1
Q2001-10	WC-A1-06-C	PCB	30.01	N/A	ritesh	Evelyn	10	E		2
Q2001-14	WC-A1-07-C	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q2014-01	MOO-25-0134	PCB	30.01	N/A	ritesh	Evelyn	10	E	Small Particles	4
Q2014-03	MOO-25-0145	PCB	30.02	N/A	ritesh	Evelyn	10	E	Small Particles	5
Q2014-05	MOO-25-0148	PCB	30.04	N/A	ritesh	Evelyn	10	E	Small Particles	6
Q2017-01	MH-I	PCB	30.08	N/A	ritesh	Evelyn	10	E		U7-1
Q2017-01MS	MH-IMS	PCB	30.03	N/A	ritesh	Evelyn	10	E		2
Q2017-01MSD	MH-IMSD	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2017-05	MH-J	PCB	30.06	N/A	ritesh	Evelyn	10	A		4

RS 5/16

RS
5/13

* **Extracts relinquished on the same date as received.**

167972
8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1982P **WorkList ID :** 189473 **Department :** Extraction **Date :** 05-13-2025 08:25:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-01	TP-1	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-02	TP-2B	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-03	TP-3	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-04	TP-4	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-05	TP-5	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-06	TP-6	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-07	TP-8	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1982-08	TP-9	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/07/2025	8082A
Q1984-15	OU4-TS-28-050725	Solid	PCB	Cool 4 deg C	NOBI03	L41	05/07/2025	8082A
Q2001-02	WC-A4-03-C	Solid	PCB	Cool 4 deg C	ENTA05	L61	05/06/2025	8082A
Q2001-06	WC-A1-05-C	Solid	PCB	Cool 4 deg C	ENTA05	L61	05/07/2025	8082A
Q2001-10	WC-A1-06-C	Solid	PCB	Cool 4 deg C	ENTA05	L61	05/08/2025	8082A
Q2001-14	WC-A1-07-C	Solid	PCB	Cool 4 deg C	ENTA05	L61	05/08/2025	8082A
Q2014-01	MOO-25-0134	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2014-03	MOO-25-0145	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2014-05	MOO-25-0148	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2017-01	MH-I	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2017-05	MH-J	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A

RJ 5/13

Date/Time 05/13/25 8:25
Raw Sample Received by: RJ (EA-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 05/13/25 9:05
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EA-Lab)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : Q1984

Test : PCB

Prepbatch ID : PB167949,PB167972,

Sequence ID/Qc Batch ID: PO051225,po051325,PO051425,pp051325,

Standard ID :

EP2610,EP2611,EP2613,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24460,PP24461,

Chemical ID :

E3551,E3804,E3877,E3917,E3932,E3933,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12955,P12957,P13355,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W3112,W3177,

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2611	05/09/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/09/2025

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	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

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
465	200 PPB Pest/PCB Surrogate Spike	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025

FROM 1.00000ml of P13355 + 999.00000ml of E3917 = Final Quantity: 1000.000 ml

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
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24461	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025

FROM 0.50000ml of P12955 + 99.50000ml of E3917 = Final Quantity: 100.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

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-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

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

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.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	10/11/2025	04/11/2025 / Abdul	12/20/2023 / Yogesh	P12955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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

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	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

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

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	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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.

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.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 03/31/25

E3917

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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

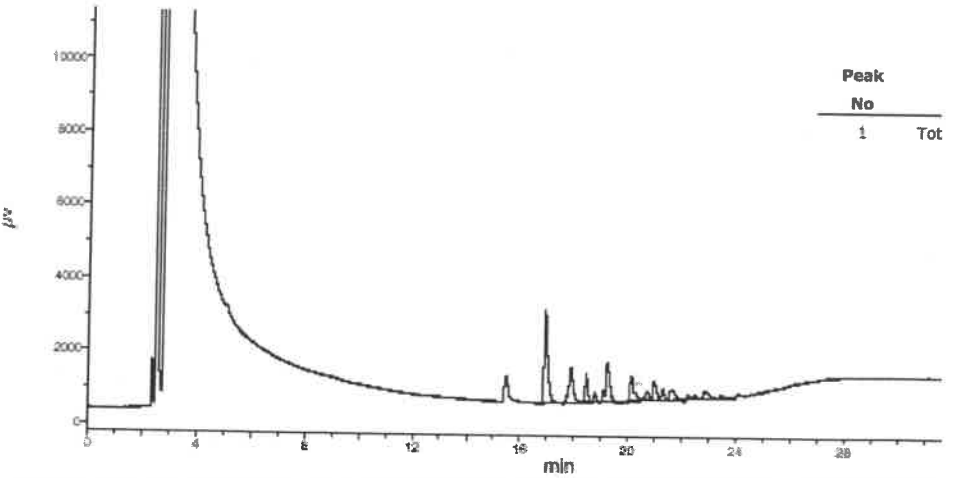
Weight(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (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.)

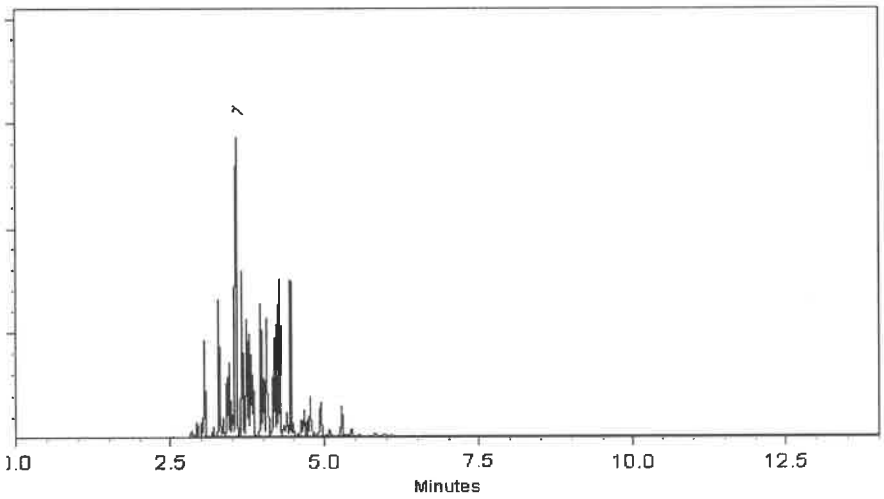
Inj. Temp:
250°C

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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12933
↓
P12937
AJ
12/07/23

Catalog No. : 32010 **Lot No.:** A0202803

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	----%	1,001.7 µg/mL	+/- 55.5850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

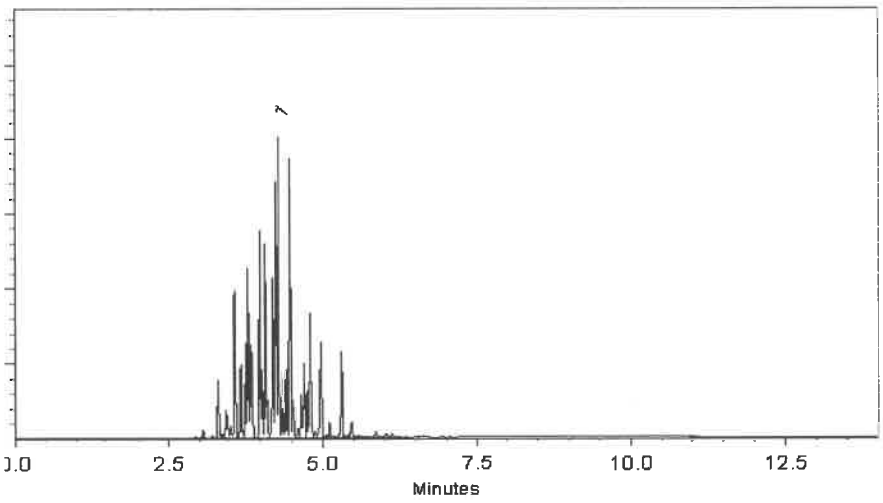
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

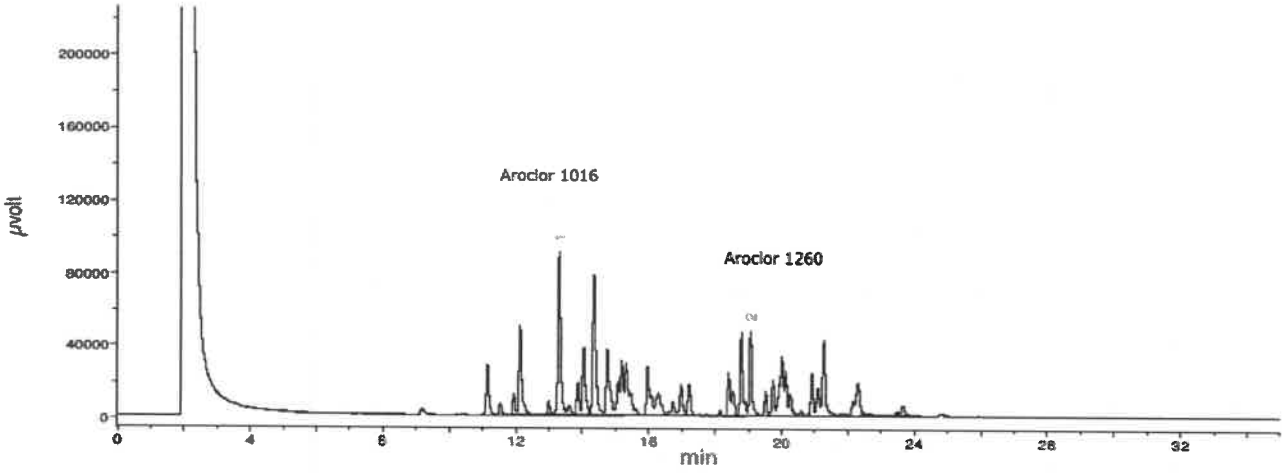
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — 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): Hexane **Lot#** 273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

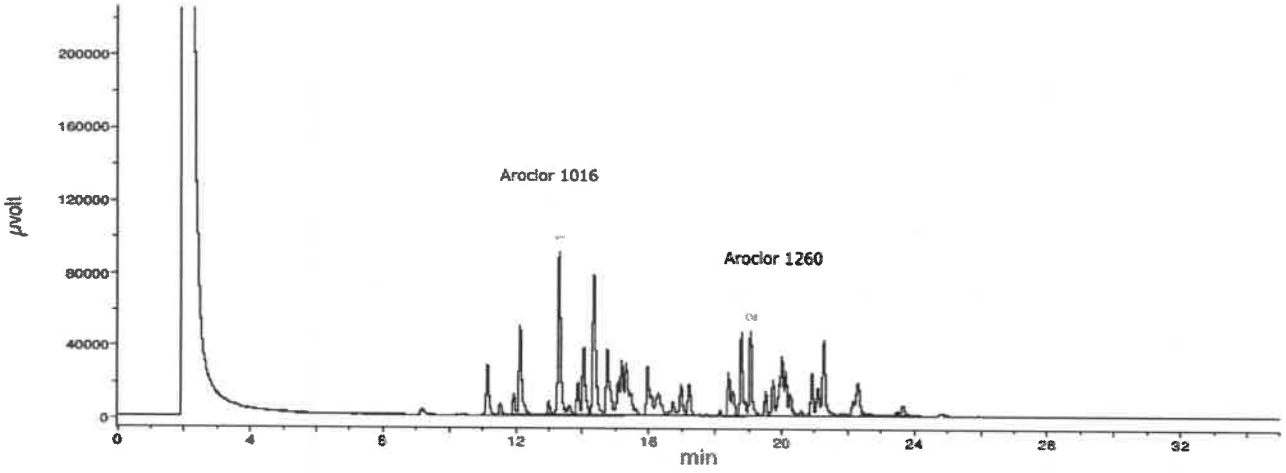
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — 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

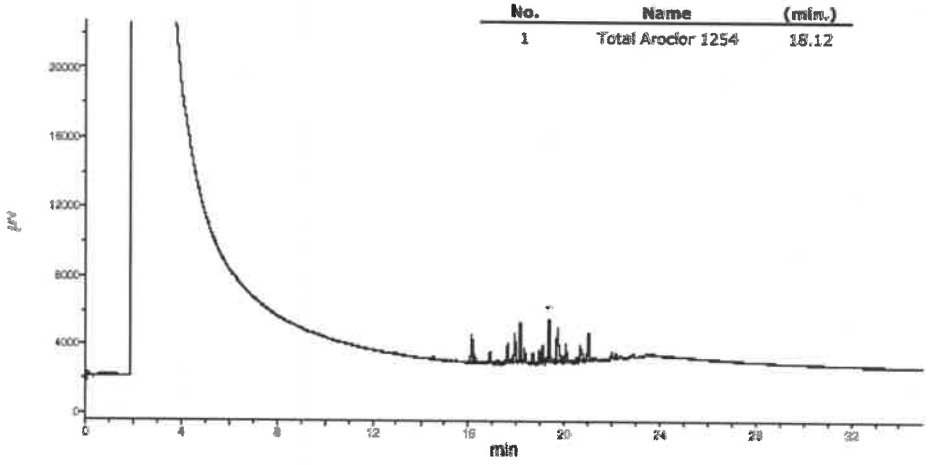
Note: Aroclor 1254 is a mix of isomers.

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)

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

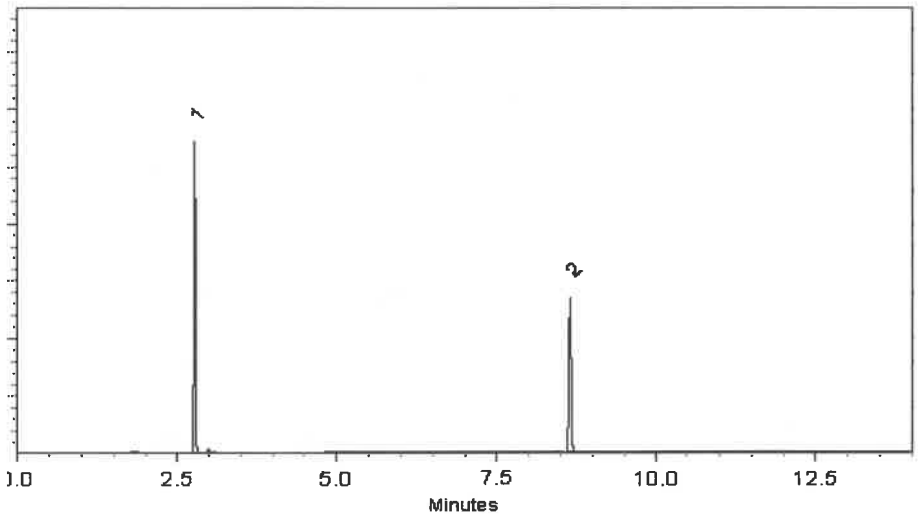
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13348 (10)

↓

P13357

04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 → P13357 (10)

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

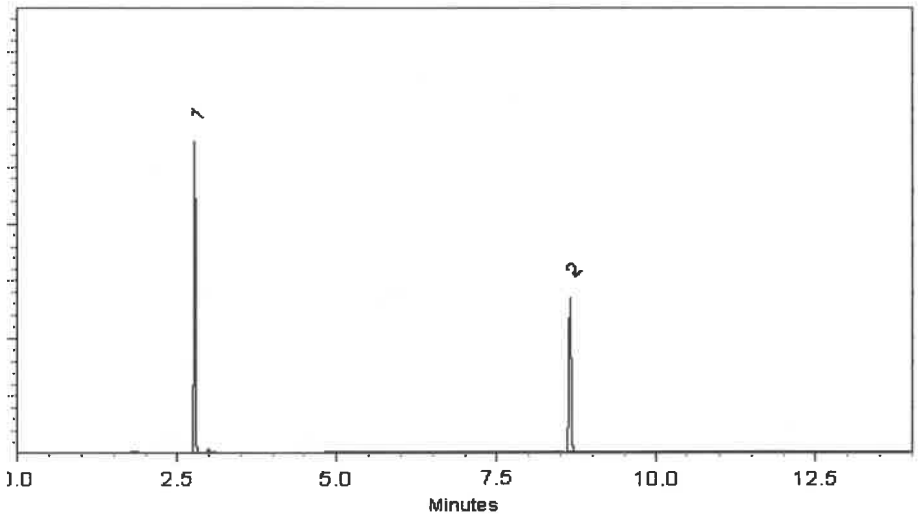
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13348 (10)

↓

P13357

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

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. : 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.)

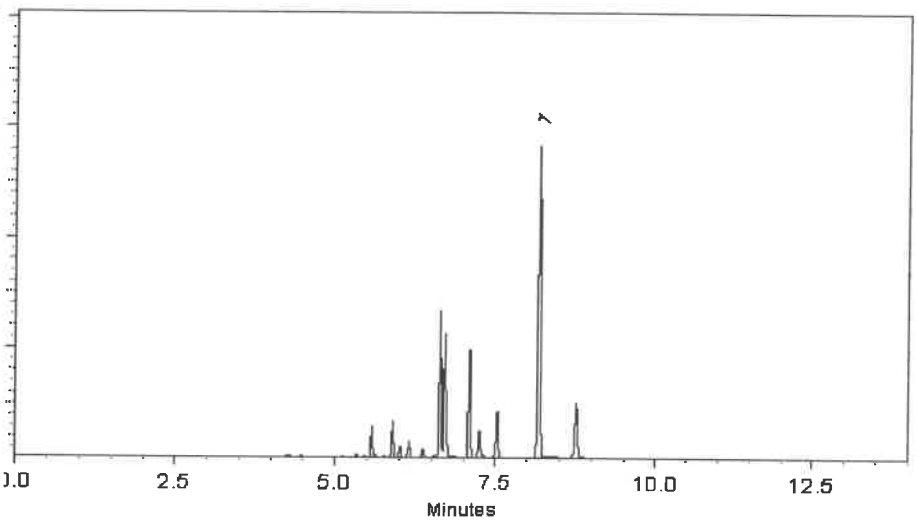
Inj. Temp:
250°C

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

ANAB
ANSI National Accreditation Board
ACCREDITED
REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.1

ISO 17025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13697 ↓ P13701 } Y.P. 10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

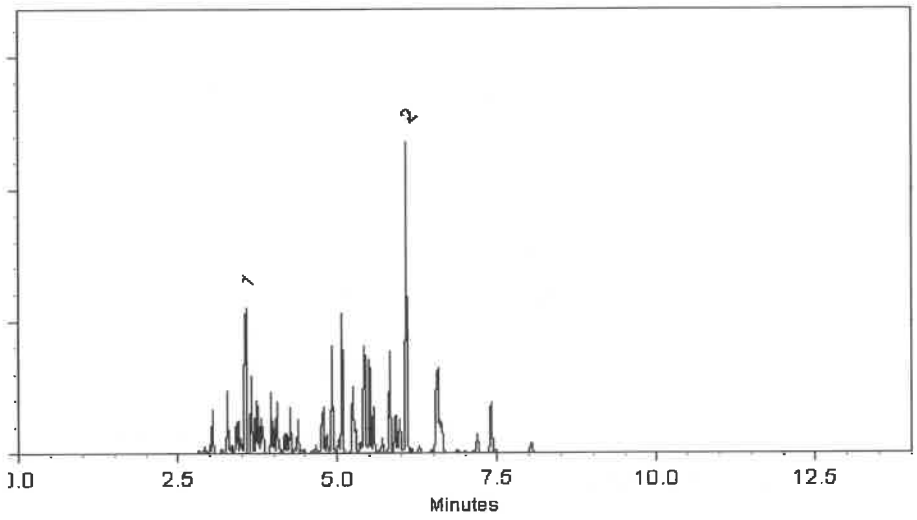
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0215270

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13702 & P13703 } Y.P. 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

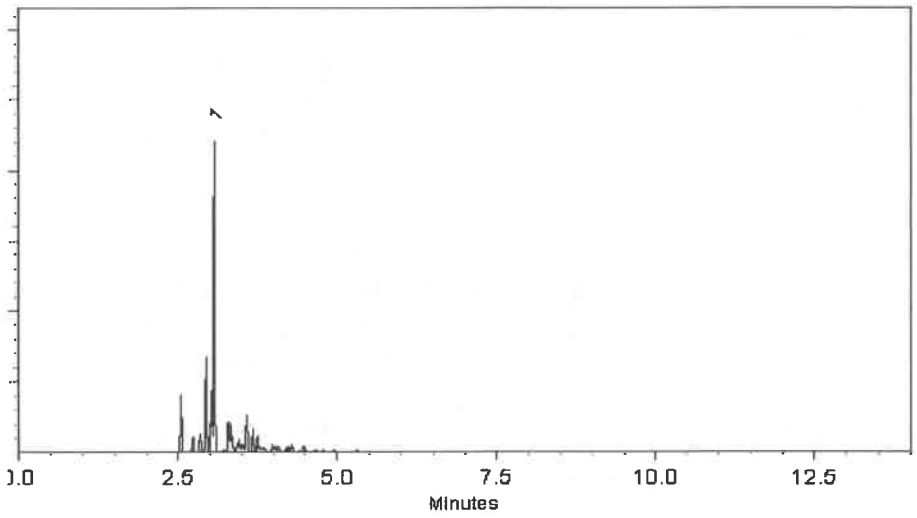
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0217391

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13830
↓
P13832

AJ
12/09/24

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

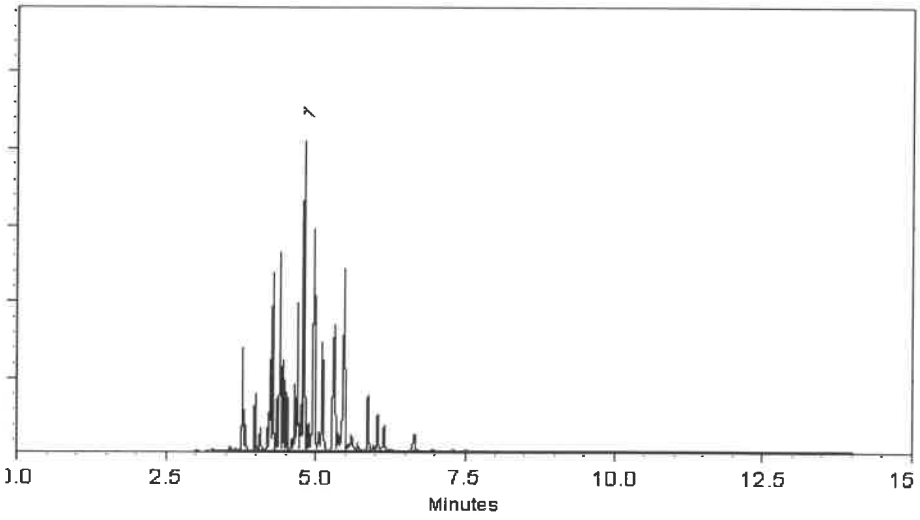
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13878
↓
P13880

AJ
01/28/25

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

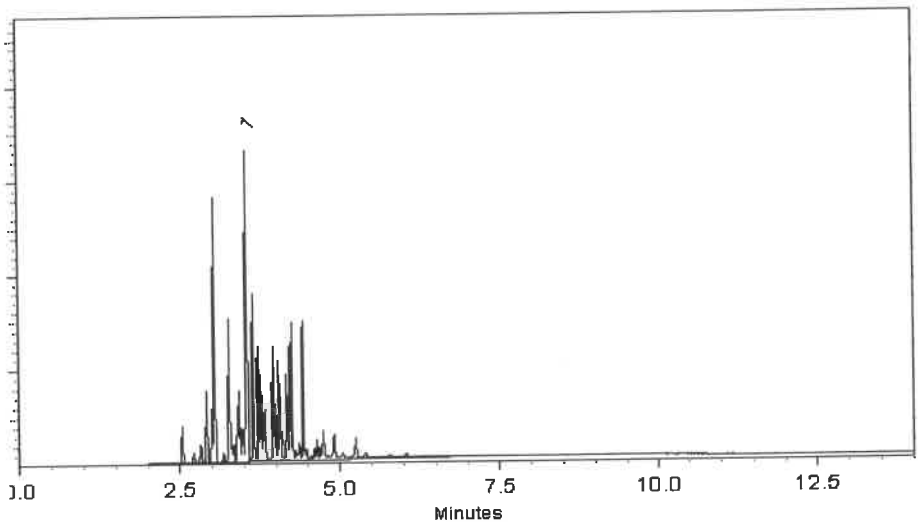
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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%

P13852
↓
P13853

AJ
01/28/25

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

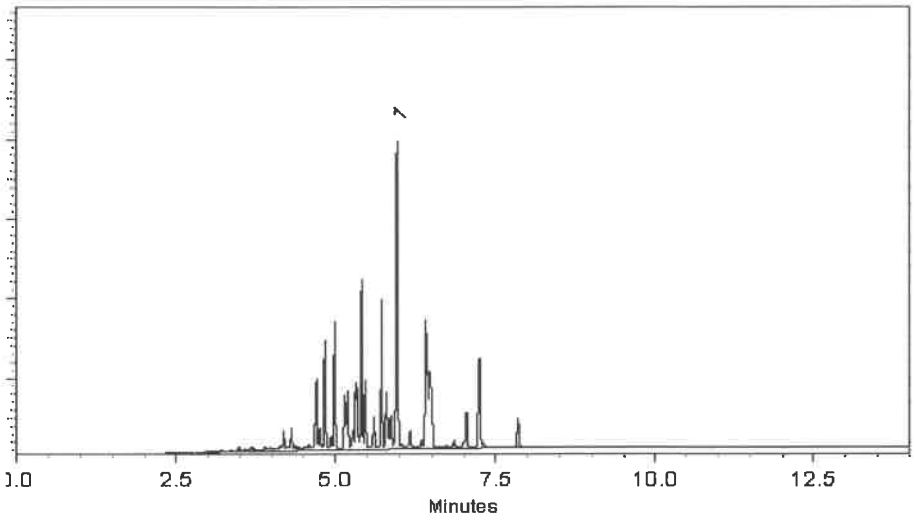
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 09-Jan-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 14-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

Q1984

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:	C. Odell

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 Deliverables
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-PCS-TC-33-050725	5/7/25	0950	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-34-050725	5/7/25	1000	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-35-050725	5/7/25	1015	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-24-050725	5/7/25	1130	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-25-050725	5/7/25	1135	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-26-050725	5/7/25	1140	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-27-050725	5/7/25	1145	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-28-050725	5/7/25	1150	G	S		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TB01-050725 ↓		0800	—	—		3						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: 5/7/25 1430	Client Comments:
Received by: (signature)	Date/Time: 5-8-25 0930	
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:	

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:
1.9°C
Adjust Factor +1
IR Gun #1

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 : Q1984 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 5/8/2025 10:48:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 5/8/2025 9:50:00 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
Q1984-01	OU4-PCS-TC-33-050725	Solid	05/07/2025	09:50					
					VOCMS Group3		8260D		10 Bus. Days
Q1984-03	OU4-PCS-TC-34-050725	Solid	05/07/2025	10:00					
					VOCMS Group3		8260D		10 Bus. Days
Q1984-05	OU4-PCS-TC-35-050725	Solid	05/07/2025	10:15					
					VOCMS Group3		8260D		10 Bus. Days
Q1984-07	OU4-TS-24-050725	Solid	05/07/2025	11:30					
					VOCMS Group3		8260D		10 Bus. Days
Q1984-09	OU4-TS-25-050725	Solid	05/07/2025	11:35					
					VOCMS Group3		8260D		10 Bus. Days
Q1984-11	OU4-TS-26-050725	Solid	05/07/2025	11:40					
					VOCMS Group3		8260D		10 Bus. Days
Q1984-13	OU4-TS-27-050725	Solid	05/07/2025	11:45					
					VOCMS Group3		8260D		10 Bus. Days
Q1984-15	OU4-TS-28-050725	Solid	05/07/2025	11:50					

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1984 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 5/8/2025 10:48:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 5/8/2025 9:50:00 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
					VOCMS Group3		8260D		10 Bus. Days
Q1984-17	OU4-TB01-050725	Water	05/07/2025	08:00					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 5/8/25 1150

Received By :
Date / Time : 5/8/25 1150

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:58
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 11:08:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 11:07:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.684	3.680	26883728	21925192	4.699	4.527
2)	SA Decachlor...	8.727	8.675	30595416	8754325	5.014	5.189
	Target Compounds						
3)	L1 AR-1016-1	4.775	4.759	11388788	7989426	51.530	50.287
4)	L1 AR-1016-2	4.794	4.779	15459866	11172957	49.843	48.883
5)	L1 AR-1016-3	4.850	4.954	13787898	6165528	60.288	50.564
6)	L1 AR-1016-4	4.970	4.996	8368253	5234330	50.052	51.948
7)	L1 AR-1016-5	5.228	5.208	9420873	7002191	52.900	53.288
31)	L7 AR-1260-1	6.267	6.239	17544248	11330106	52.745	51.321
32)	L7 AR-1260-2	6.456	6.427	22796239	13241314	54.955	51.477
33)	L7 AR-1260-3	6.823	6.579	17781776	11848147	50.478	50.819
34)	L7 AR-1260-4	7.083	7.050	15042707	10989952	49.444	60.455
35)	L7 AR-1260-5	7.326	7.291	35797963	21938474	48.745	56.088

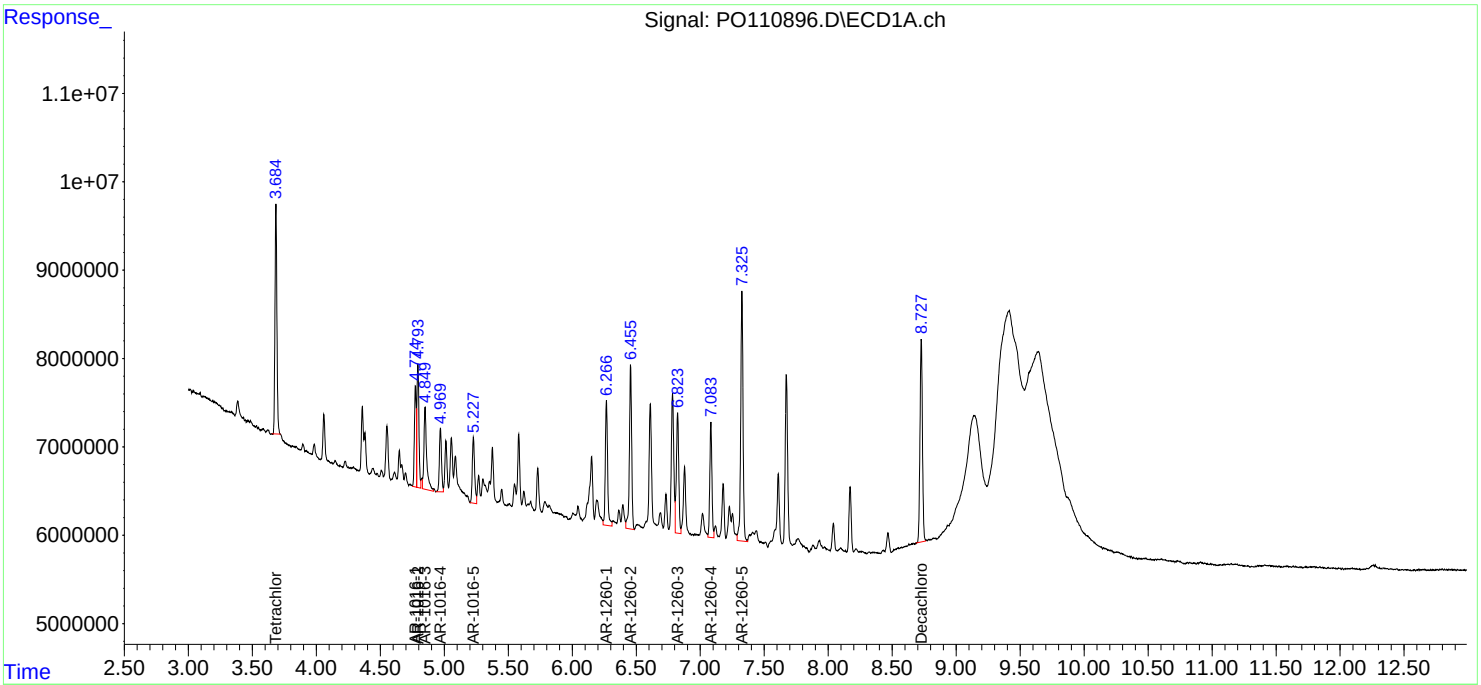
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

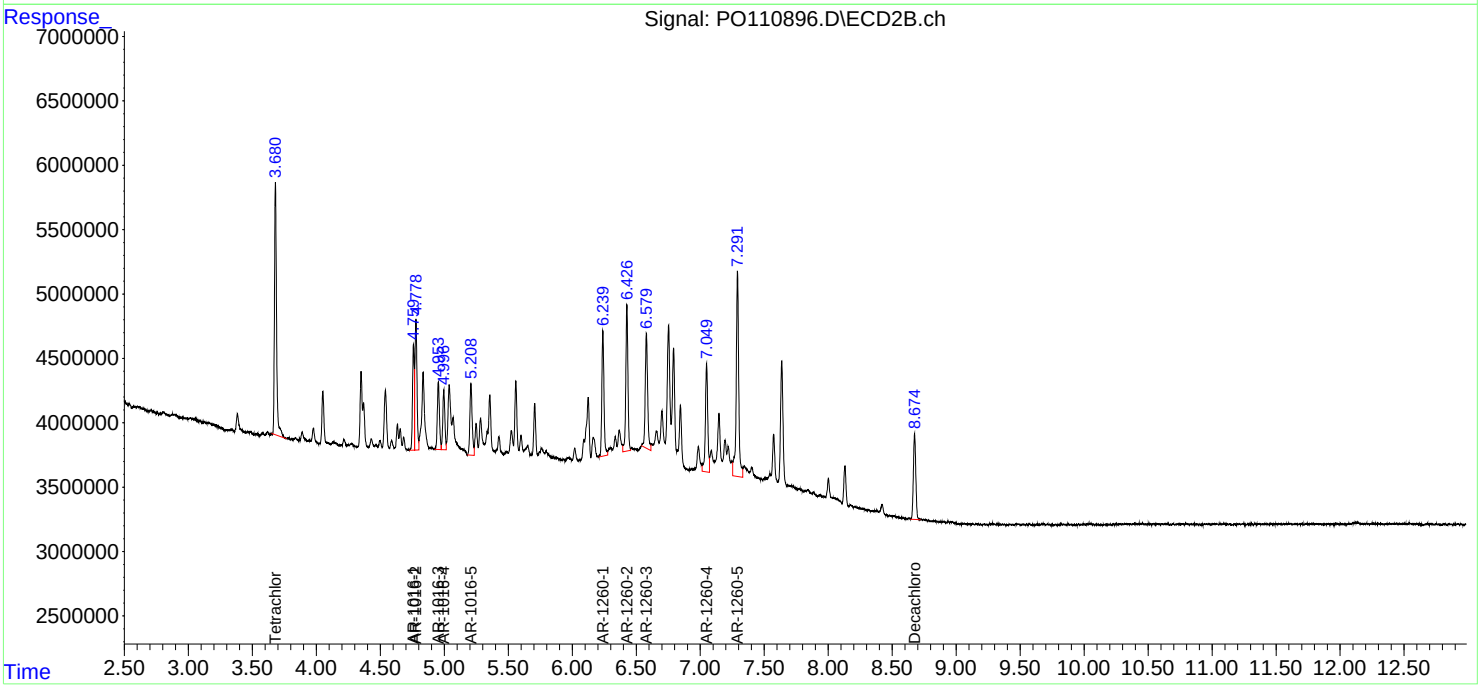
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 10:58
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

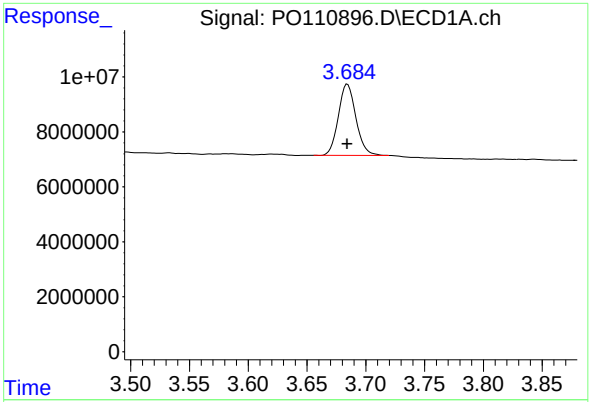
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 11:08:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 11:07:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



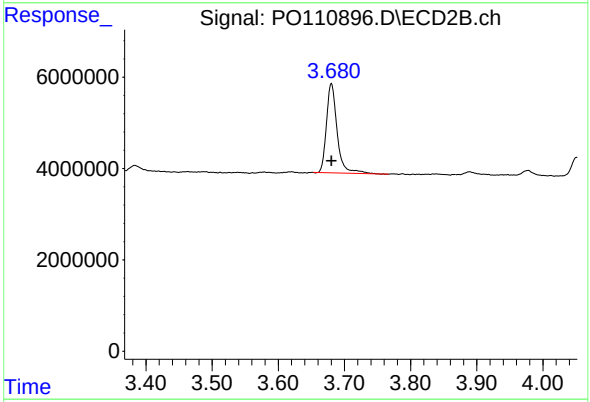




#1 Tetrachloro-m-xylene

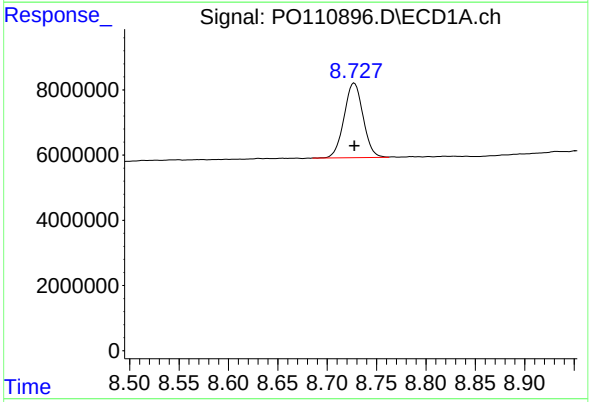
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 26883728
Conc: 4.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



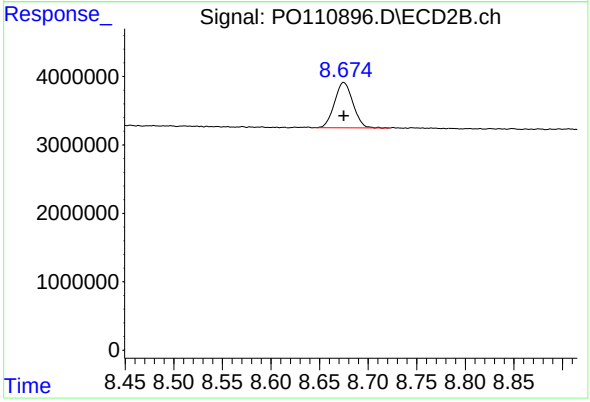
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 21925192
Conc: 4.53 ng/ml



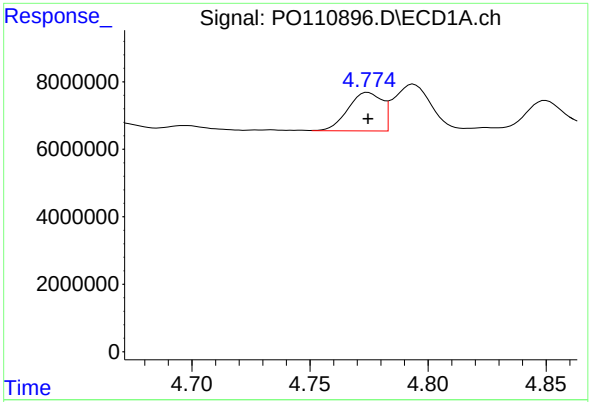
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 30595416
Conc: 5.01 ng/ml



#2 Decachlorobiphenyl

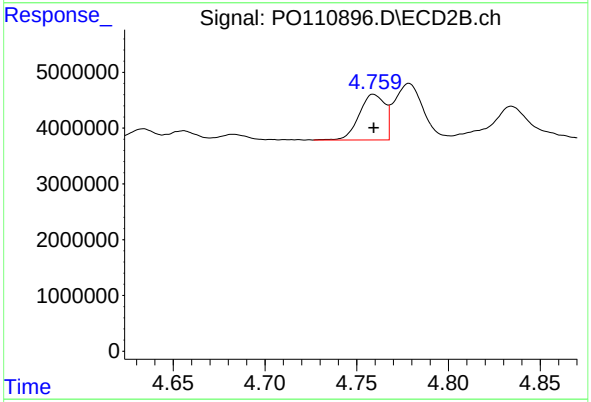
R.T.: 8.675 min
Delta R.T.: 0.000 min
Response: 8754325
Conc: 5.19 ng/ml



#3 AR-1016-1

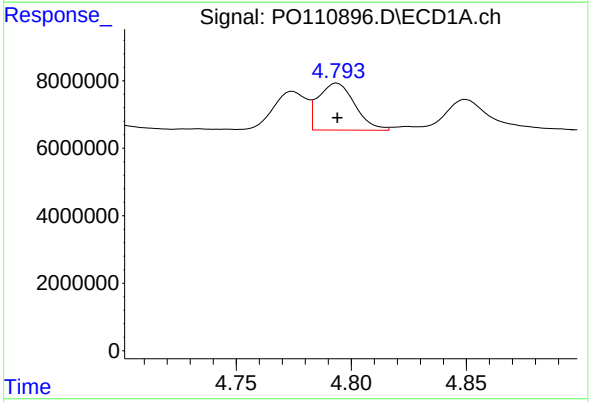
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 11388788
Conc: 51.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



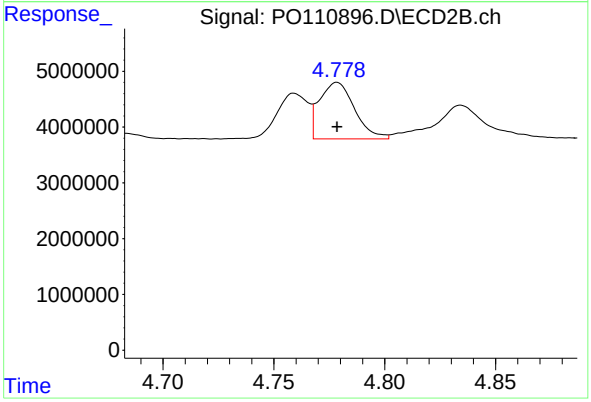
#3 AR-1016-1

R.T.: 4.759 min
Delta R.T.: 0.000 min
Response: 7989426
Conc: 50.29 ng/ml



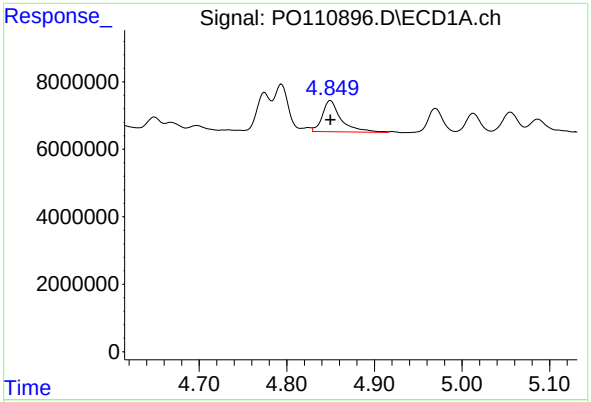
#4 AR-1016-2

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 15459866
Conc: 49.84 ng/ml



#4 AR-1016-2

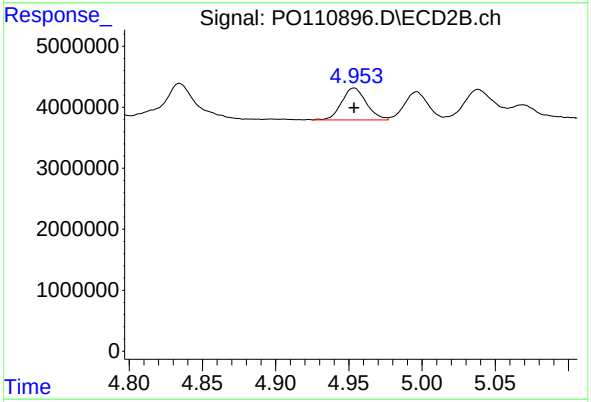
R.T.: 4.779 min
Delta R.T.: 0.000 min
Response: 11172957
Conc: 48.88 ng/ml



#5 AR-1016-3

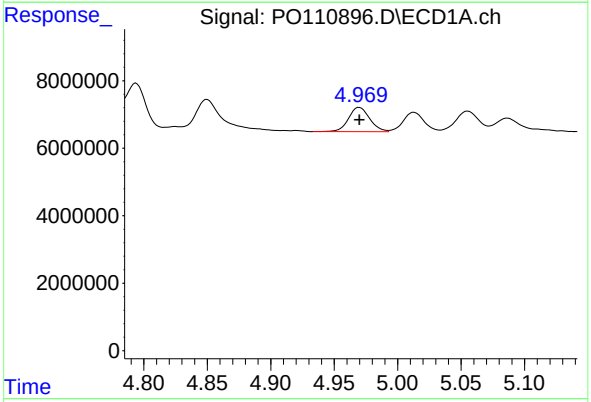
R.T.: 4.850 min
Delta R.T.: 0.000 min
Response: 13787898
Conc: 60.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



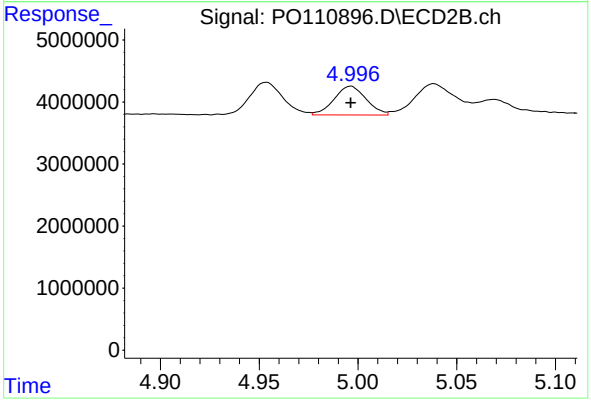
#5 AR-1016-3

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 6165528
Conc: 50.56 ng/ml



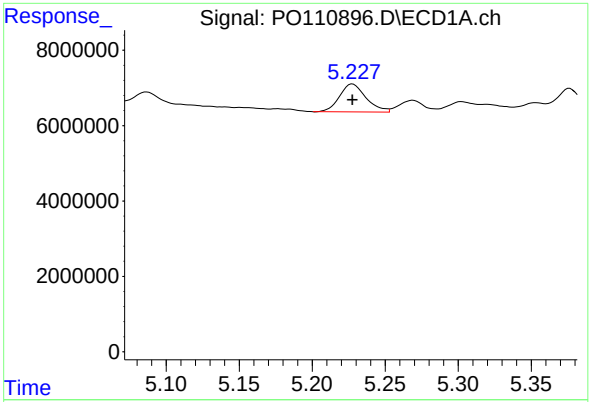
#6 AR-1016-4

R.T.: 4.970 min
Delta R.T.: 0.000 min
Response: 8368253
Conc: 50.05 ng/ml



#6 AR-1016-4

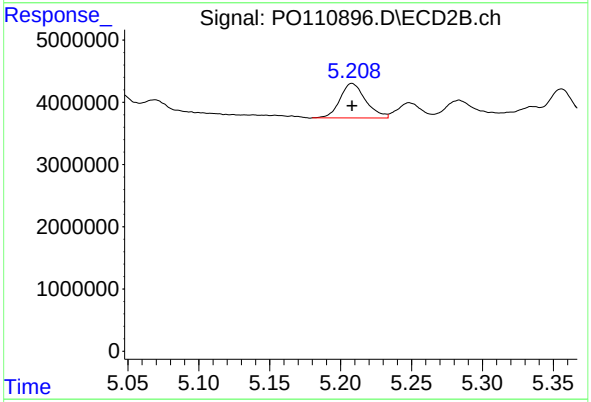
R.T.: 4.996 min
Delta R.T.: 0.000 min
Response: 5234330
Conc: 51.95 ng/ml



#7 AR-1016-5

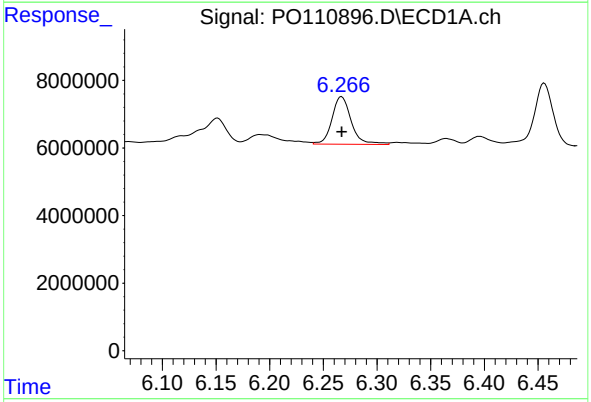
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 9420873
Conc: 52.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



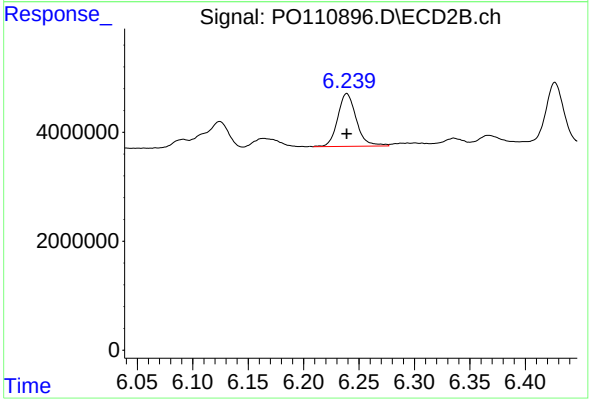
#7 AR-1016-5

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 7002191
Conc: 53.29 ng/ml



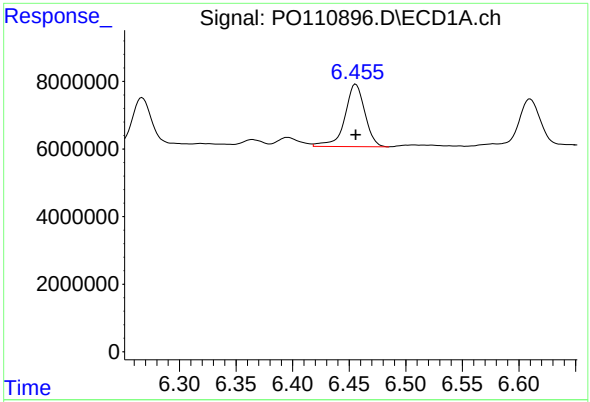
#31 AR-1260-1

R.T.: 6.267 min
Delta R.T.: 0.000 min
Response: 17544248
Conc: 52.75 ng/ml



#31 AR-1260-1

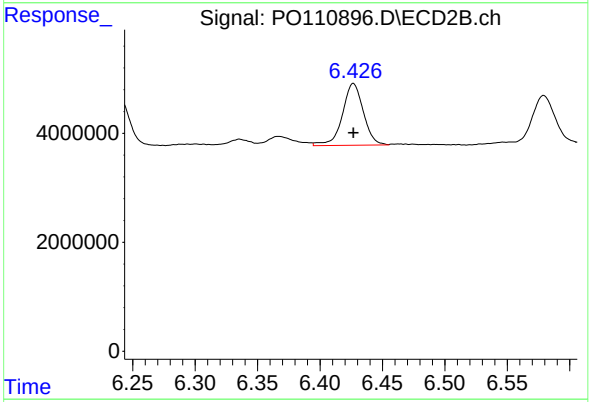
R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 11330106
Conc: 51.32 ng/ml



#32 AR-1260-2

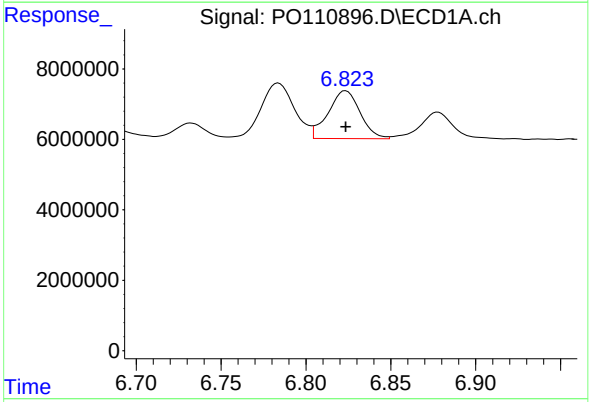
R.T.: 6.456 min
Delta R.T.: 0.000 min
Response: 22796239
Conc: 54.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



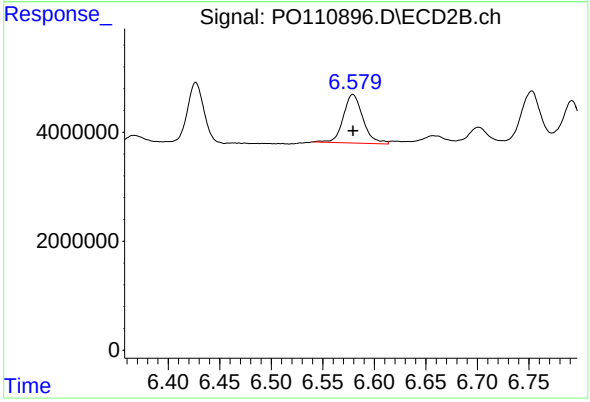
#32 AR-1260-2

R.T.: 6.427 min
Delta R.T.: 0.000 min
Response: 13241314
Conc: 51.48 ng/ml



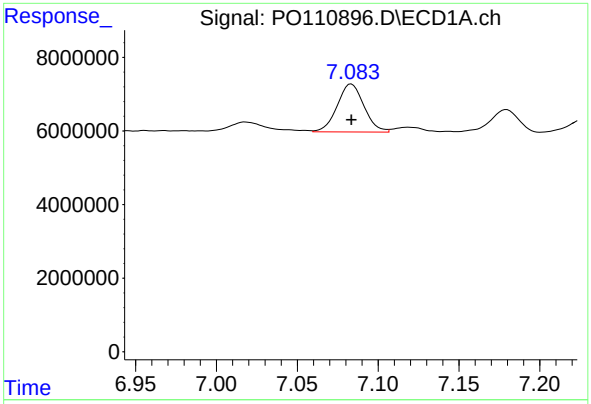
#33 AR-1260-3

R.T.: 6.823 min
Delta R.T.: 0.000 min
Response: 17781776
Conc: 50.48 ng/ml



#33 AR-1260-3

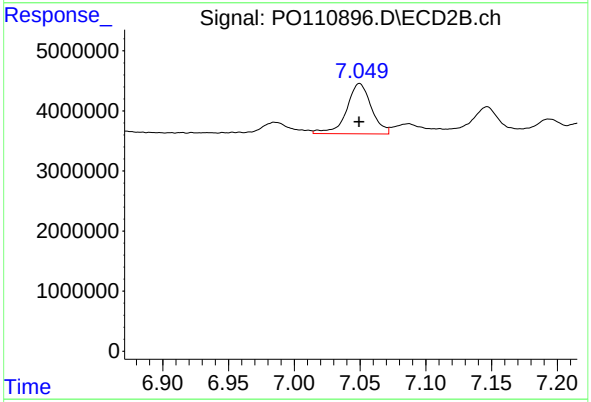
R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 11848147
Conc: 50.82 ng/ml



#34 AR-1260-4

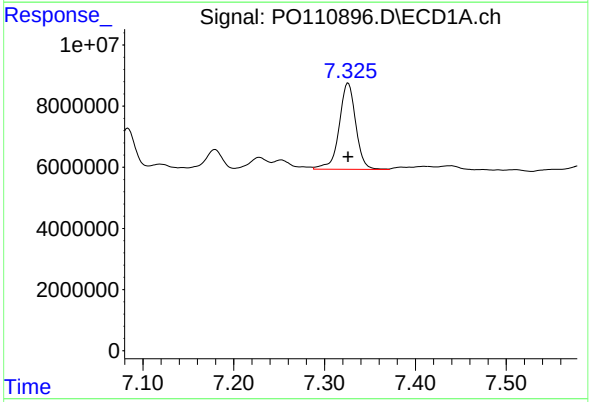
R.T.: 7.083 min
Delta R.T.: 0.000 min
Response: 15042707
Conc: 49.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



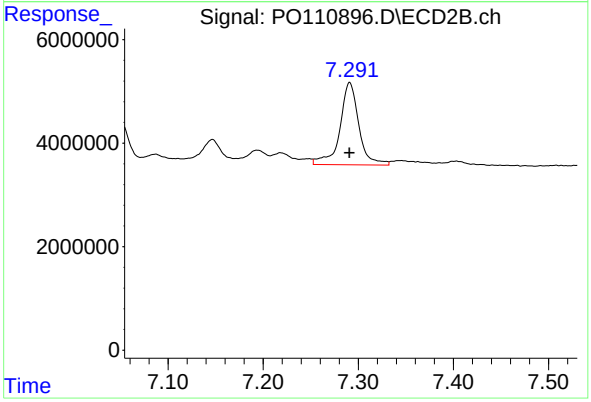
#34 AR-1260-4

R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 10989952
Conc: 60.46 ng/ml



#35 AR-1260-5

R.T.: 7.326 min
Delta R.T.: 0.000 min
Response: 35797963
Conc: 48.75 ng/ml



#35 AR-1260-5

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 21938474
Conc: 56.09 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 18:29
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:45:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:30:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.682	3.680	11270665	9745987	2.088	2.083
2)	SA Decachlor...	8.727	8.677	36184498	10512817	3.780	3.832
	Target Compounds						
41)	L9 AR-1268-1	7.610	7.575	36155855	19772688	40.632	45.965
42)	L9 AR-1268-2	7.675	7.640	30949285	15719209	38.568	41.009
43)	L9 AR-1268-3	7.882	7.846	28963449	11739578	42.429	41.251
44)	L9 AR-1268-4	8.172	8.132	12255027	2917645	45.518	28.156 #
45)	L9 AR-1268-5	8.466	8.423	77847675	22470578	38.450	37.023

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

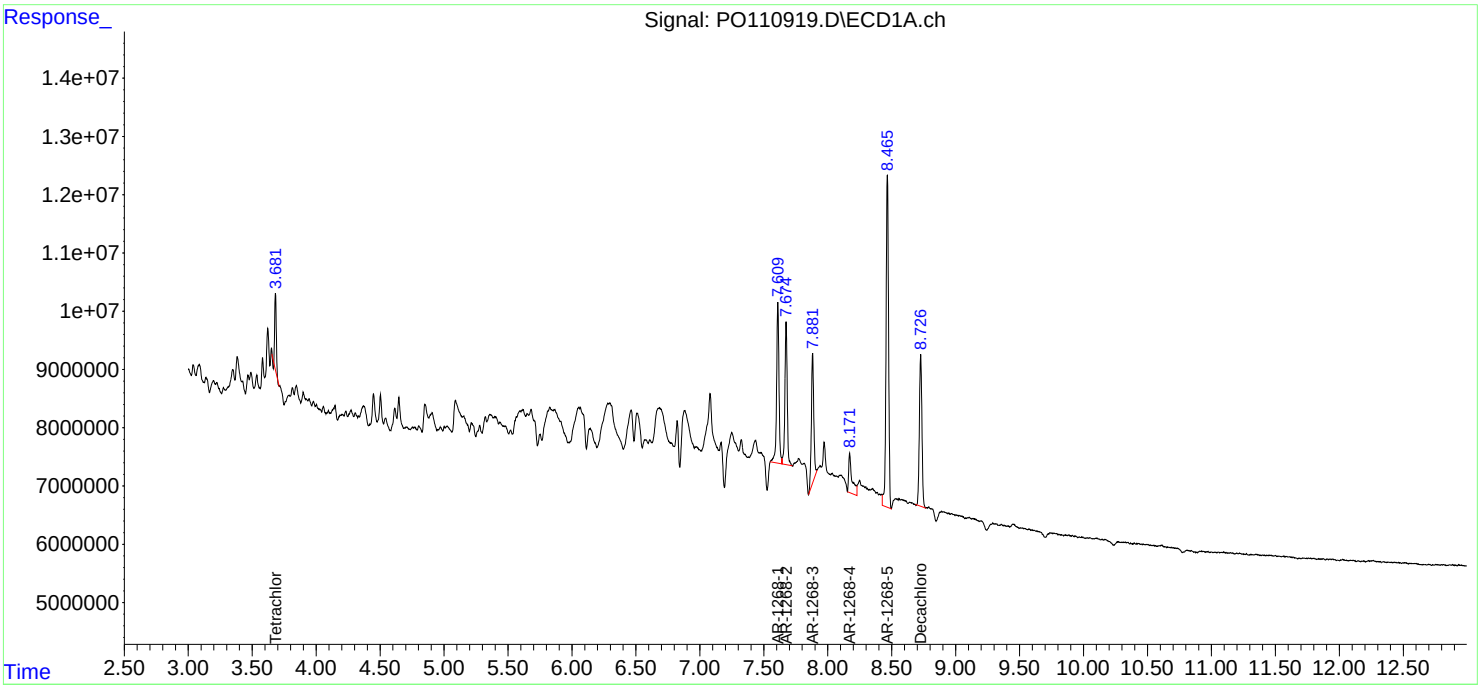
Quantitation Report (Not Reviewed)

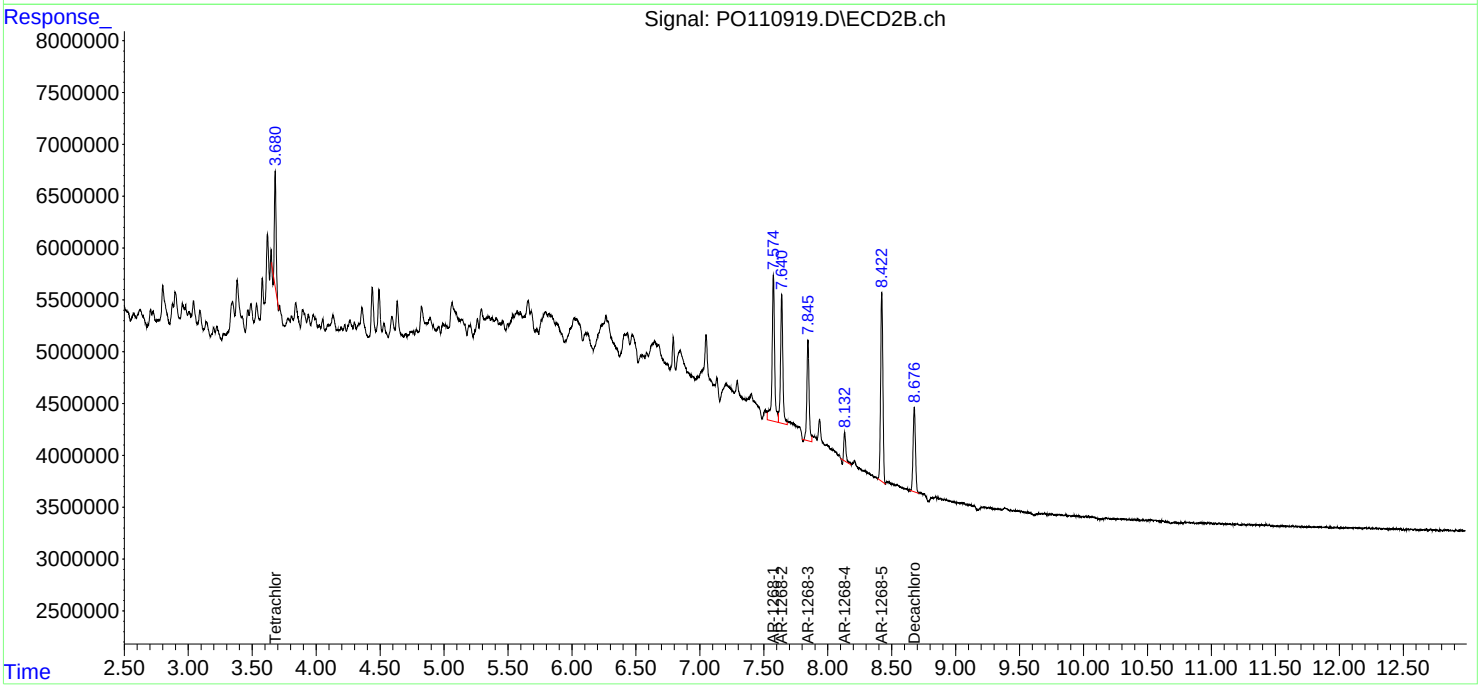
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO050225\
Data File : PO110919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 May 2025 18:29
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

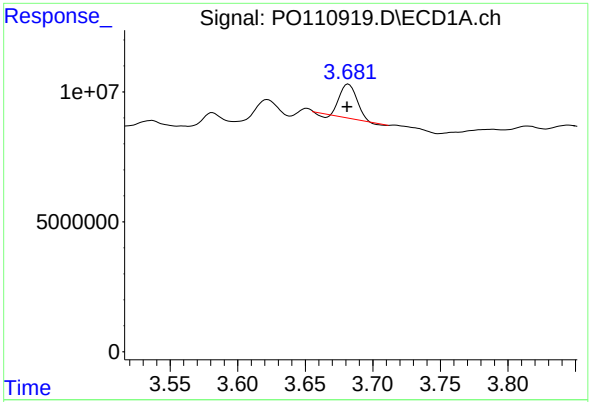
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 18:45:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 18:30:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



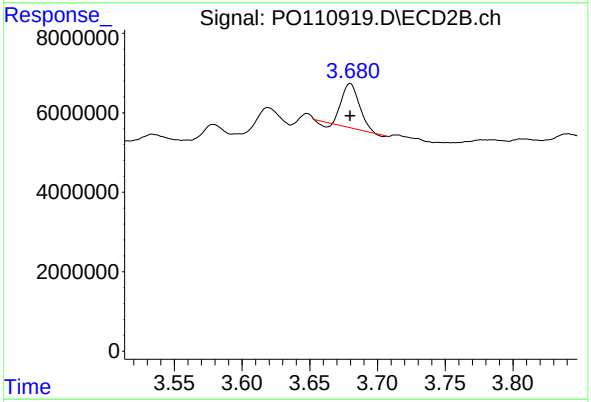




#1 Tetrachloro-m-xylene

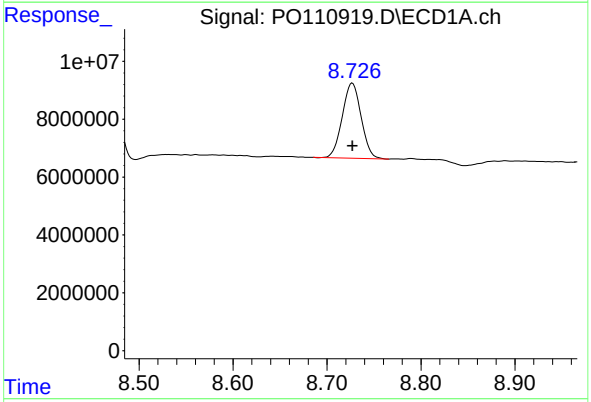
R.T.: 3.682 min
Delta R.T.: 0.000 min
Response: 11270665
Conc: 2.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



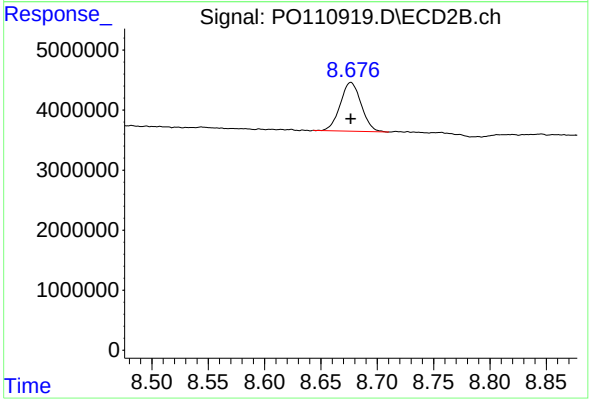
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 9745987
Conc: 2.08 ng/ml



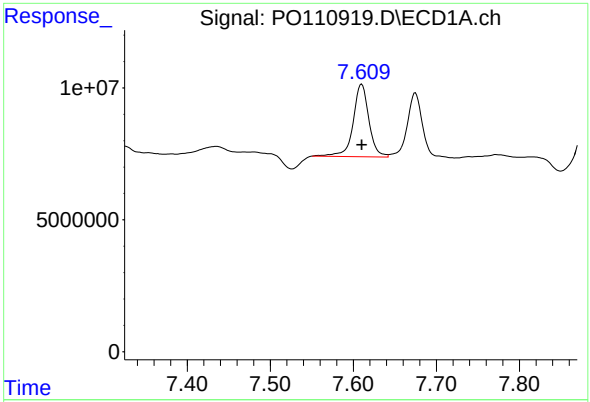
#2 Decachlorobiphenyl

R.T.: 8.727 min
Delta R.T.: 0.000 min
Response: 36184498
Conc: 3.78 ng/ml



#2 Decachlorobiphenyl

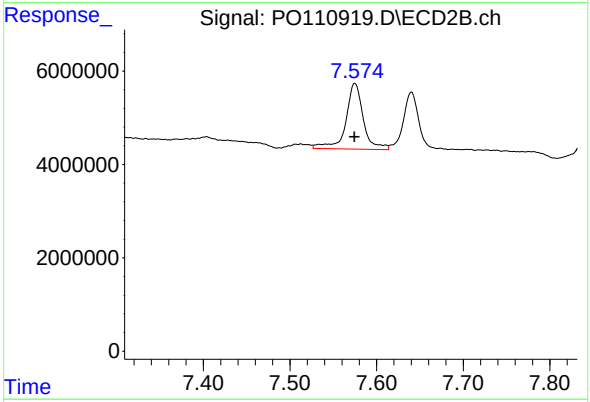
R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 10512817
Conc: 3.83 ng/ml



#41 AR-1268-1

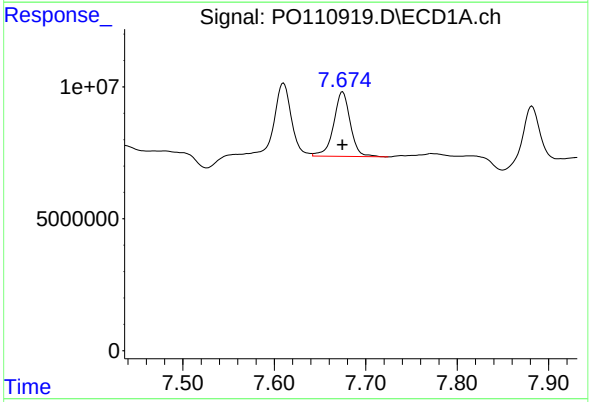
R.T.: 7.610 min
Delta R.T.: 0.000 min
Response: 36155855
Conc: 40.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



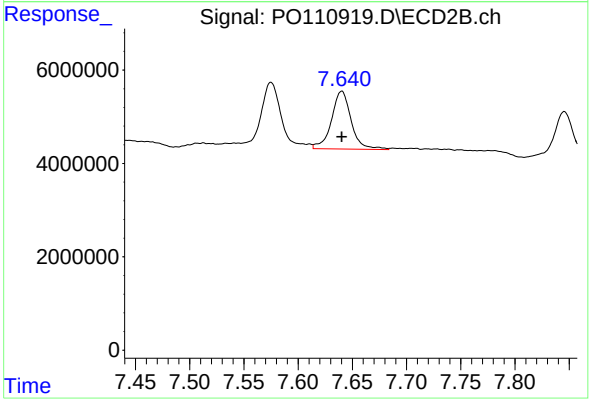
#41 AR-1268-1

R.T.: 7.575 min
Delta R.T.: 0.000 min
Response: 19772688
Conc: 45.96 ng/ml



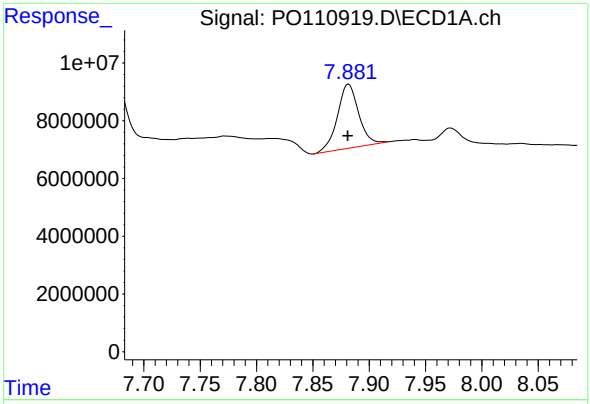
#42 AR-1268-2

R.T.: 7.675 min
Delta R.T.: 0.000 min
Response: 30949285
Conc: 38.57 ng/ml



#42 AR-1268-2

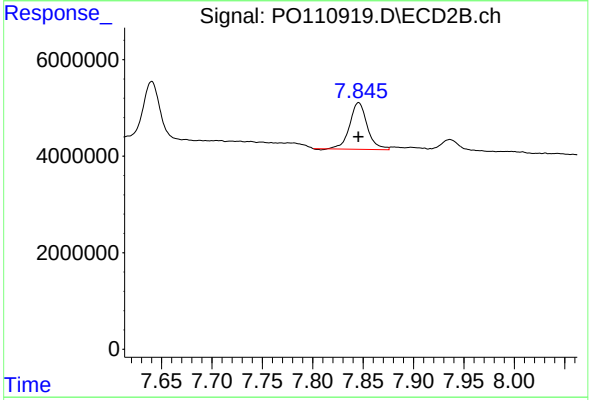
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 15719209
Conc: 41.01 ng/ml



#43 AR-1268-3

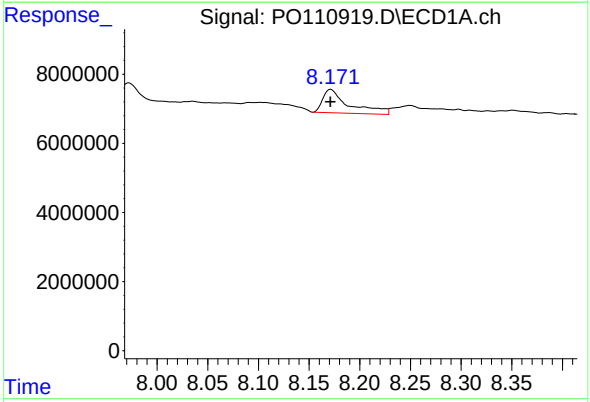
R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 28963449
Conc: 42.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



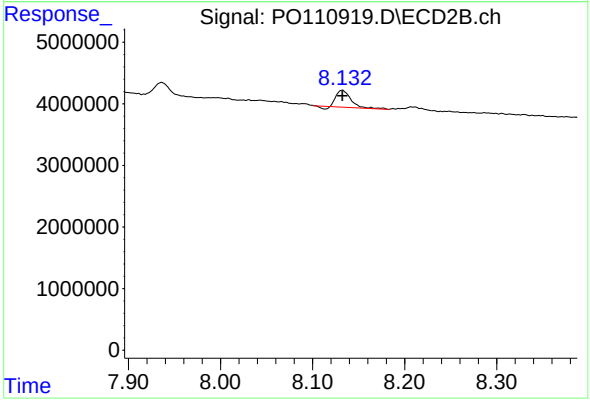
#43 AR-1268-3

R.T.: 7.846 min
Delta R.T.: 0.000 min
Response: 11739578
Conc: 41.25 ng/ml



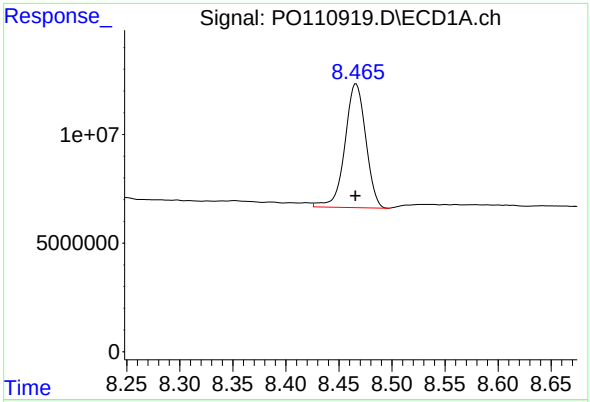
#44 AR-1268-4

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 12255027
Conc: 45.52 ng/ml



#44 AR-1268-4

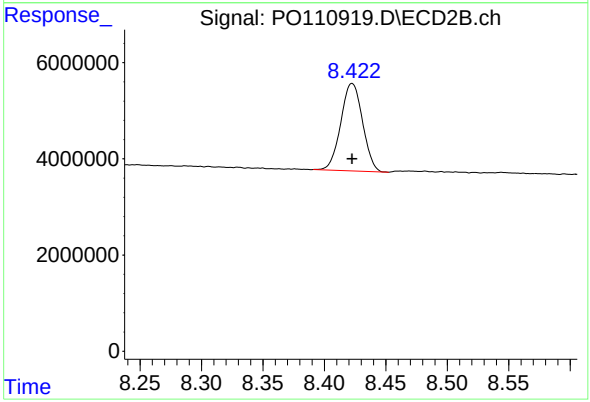
R.T.: 8.132 min
Delta R.T.: 0.000 min
Response: 2917645
Conc: 28.16 ng/ml



#45 AR-1268-5

R.T.: 8.466 min
Delta R.T.: 0.000 min
Response: 77847675
Conc: 38.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.423 min
Delta R.T.: 0.000 min
Response: 22470578
Conc: 37.02 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:23:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds								
1)	SA	Tetrachlo...	3.684	3.680	284.9E6	263.1E6	49.795	54.315	
2)	SA	Decachlor...	8.721	8.671	271.5E6	92508962	44.495	54.828	
	Target Compounds								
3)	L1	AR-1016-1	4.773	4.758	97654247	82420907	441.846	518.771	
4)	L1	AR-1016-2	4.792	4.776	139.9E6	119.3E6	451.167	521.958	
5)	L1	AR-1016-3	4.848	4.952	96263110	63563106	420.910	521.282	
6)	L1	AR-1016-4	4.968	4.994	75934600	52452660	454.174	520.565	
7)	L1	AR-1016-5	5.226	5.206	80517130	68606311	452.118	522.107	
8)	L2	AR-1221-1	3.894	3.888	9996148	8836255	114.808	132.745	
9)	L2	AR-1221-2	3.982	3.975	14924963	12965951	220.420	252.592	
10)	L2	AR-1221-3	4.058	4.050	54089869	47262862	273.498	308.832	
11)	L3	AR-1232-1	4.058	4.050	54089869	47262862	352.184	402.366	
12)	L3	AR-1232-2	4.551	4.776	73926692	119.3E6	897.378	1037.099	
13)	L3	AR-1232-3	4.792	4.952	139.9E6	63563106	879.652	1054.354	
14)	L3	AR-1232-4	4.968	5.036	75934600	63237262	902.151	1135.063	#
15)	L3	AR-1232-5	5.011	5.206	59479236	68606311	1010.308	1165.490	
16)	L4	AR-1242-1	4.773	4.758	97654247	82420907	530.938	622.860	
17)	L4	AR-1242-2	4.792	4.776	139.9E6	119.3E6	543.234	627.664	
18)	L4	AR-1242-3	4.848	4.952	96263110	63563106	528.599	627.344	
19)	L4	AR-1242-4	4.968	5.036	75934600	63237262	543.737	609.749	
20)	L4	AR-1242-5	5.620	5.557	21647019	66489354	138.857	525.335	#
21)	L5	AR-1248-1	4.773	4.758	97654247	82420907	743.396	855.211	
22)	L5	AR-1248-2	5.011	4.994	59479236	52452660	339.430	388.188	
23)	L5	AR-1248-3	5.226	5.036	80517130	63237262	365.211	435.690	
24)	L5	AR-1248-4	5.580	5.206	79154036	68606311	241.534	409.550	#
25)	L5	AR-1248-5	5.620	5.597	21647019	18041173	92.727	107.466	
26)	L6	AR-1254-1	5.580	5.557	79154036	66489354	234.481	264.873	
27)	L6	AR-1254-2	5.728	5.704	55401547	47528820	192.566	217.836	
28)	L6	AR-1254-3	6.149	6.122	105.9E6	83600955	231.673	250.145	
29)	L6	AR-1254-4	6.362	6.334	16561975	11568493	54.333	59.582	
30)	L6	AR-1254-5	6.781	6.750	180.1E6	128.9E6	426.892	480.305	
31)	L7	AR-1260-1	6.264	6.237	137.1E6	109.5E6	412.048	495.858	
32)	L7	AR-1260-2	6.454	6.425	171.0E6	127.4E6	412.210	495.371	
33)	L7	AR-1260-3	6.821	6.577	150.4E6	115.4E6	427.001	494.831	
34)	L7	AR-1260-4	7.081	7.048	127.8E6	86791408	419.973	476.625	
35)	L7	AR-1260-5	7.323	7.288	307.8E6	184.9E6	419.136	470.125	
36)	L8	AR-1262-1	6.821	6.789	150.4E6	103.2E6	326.697	365.525	
37)	L8	AR-1262-2	7.323	7.288	307.8E6	184.9E6	391.365	420.776	
38)	L8	AR-1262-3	7.607	7.571	75719483	39469878	226.653	243.098	
39)	L8	AR-1262-4	7.670	7.634	218.5E6	114.3E6	377.611	392.446	
40)	L8	AR-1262-5	8.167	8.127	84586759	32610069	317.048	330.755	
41)	L9	AR-1268-1	7.607	7.571	75719483	39469878	85.093	91.587	

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:23:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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	7.670	7.634	218.5E6	114.3E6	272.229	297.630
43) L9	AR-1268-3	7.878	7.840	4735605	2234331	6.898	7.867
44) L9	AR-1268-4	8.167	8.127	84586759	32610069	304.264	313.190
45) L9	AR-1268-5	8.462	8.417	24497532	8585812	11.987	14.146

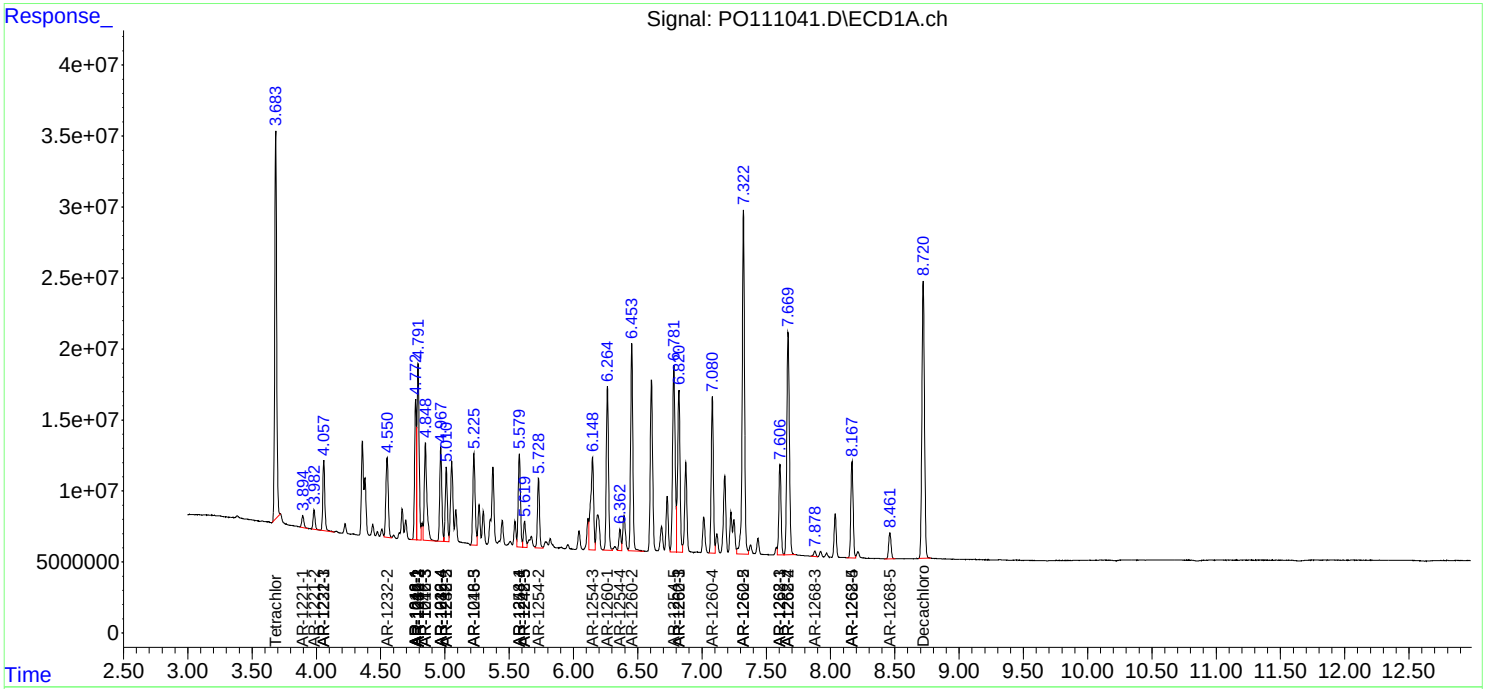
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

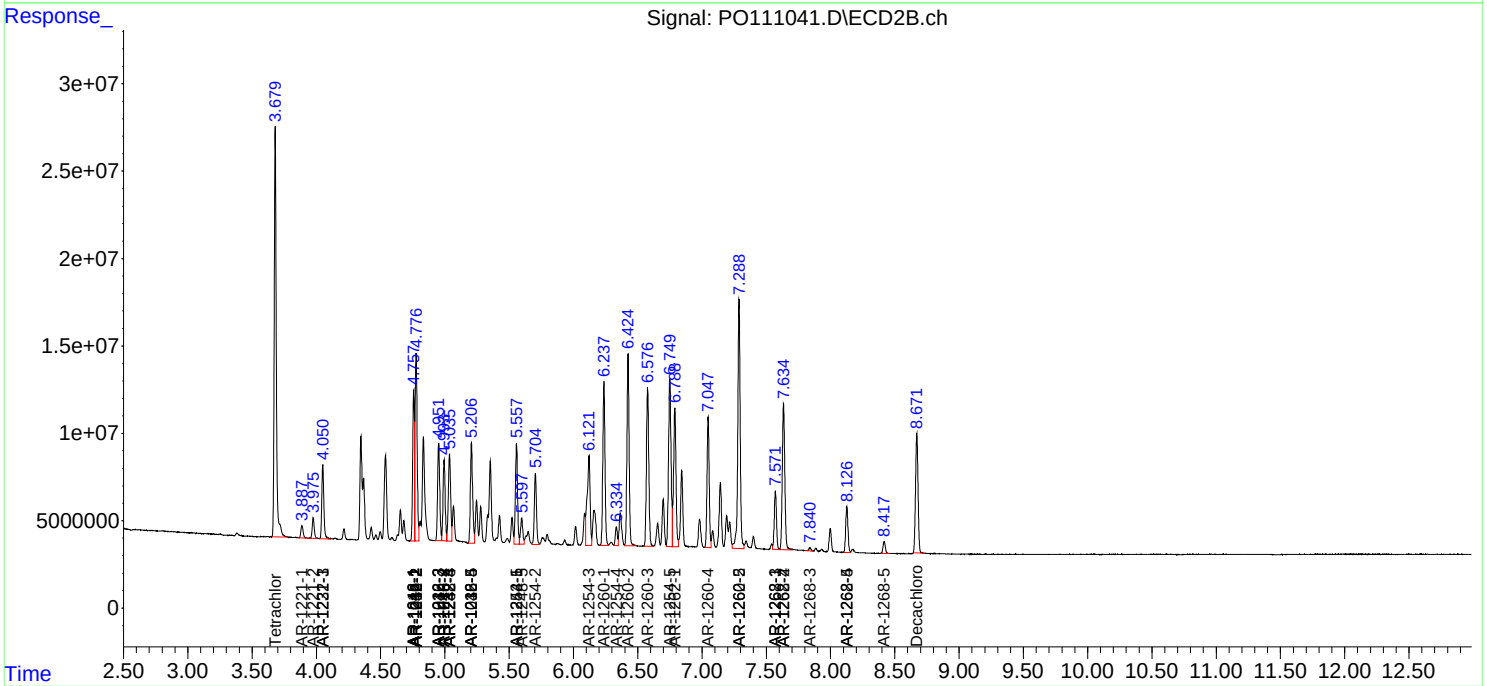
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051325\
Data File : PO111041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

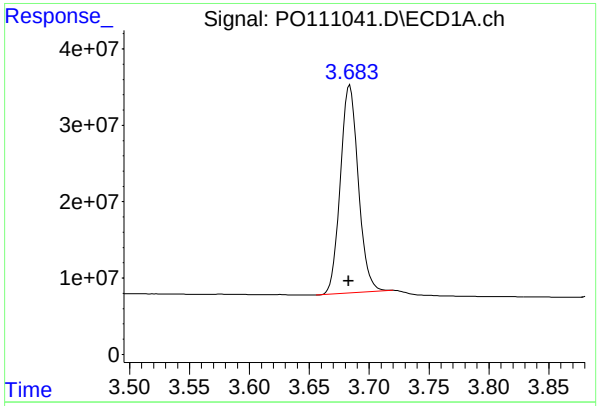
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 23:23:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO050225.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri May 02 23:47:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



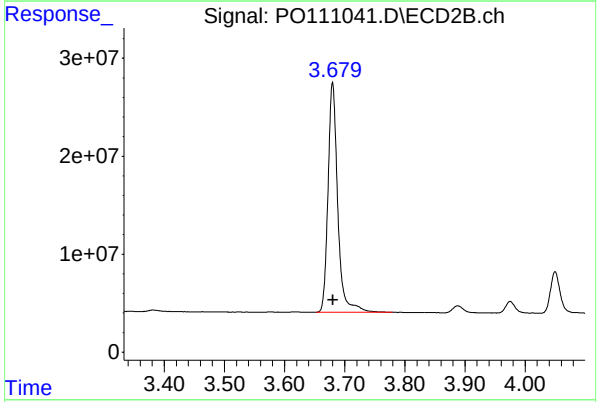




#1 Tetrachloro-m-xylene

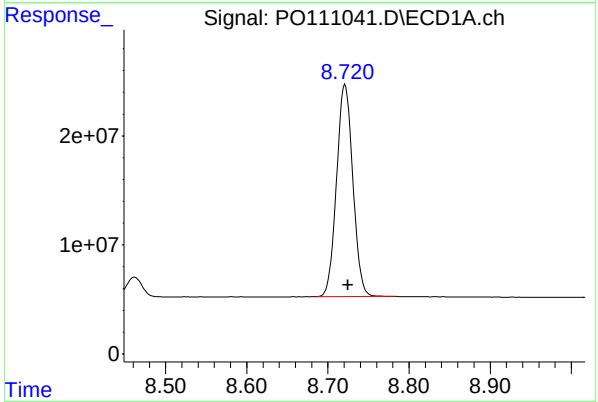
R.T.: 3.684 min
Delta R.T.: 0.000 min
Response: 284868757
Conc: 49.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



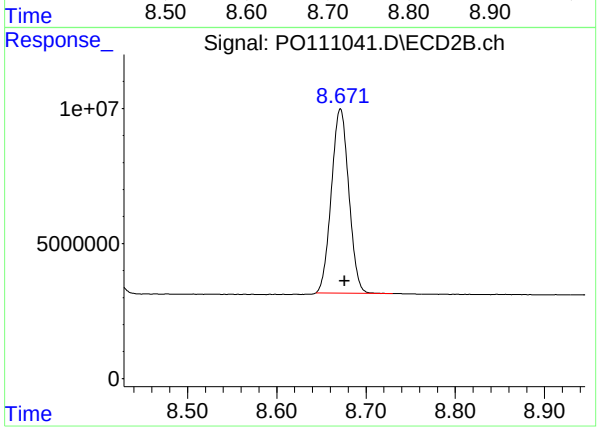
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: 0.000 min
Response: 263054672
Conc: 54.32 ng/ml



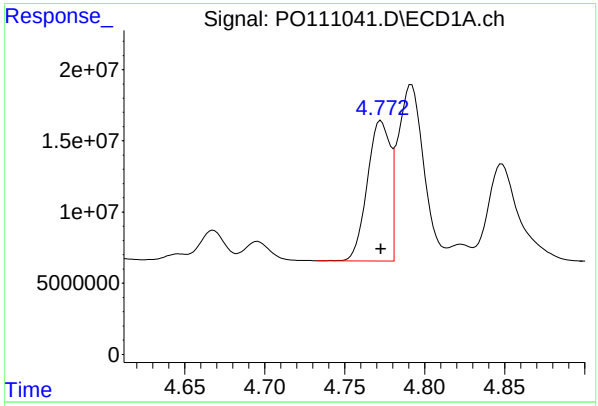
#2 Decachlorobiphenyl

R.T.: 8.721 min
Delta R.T.: -0.004 min
Response: 271526126
Conc: 44.49 ng/ml



#2 Decachlorobiphenyl

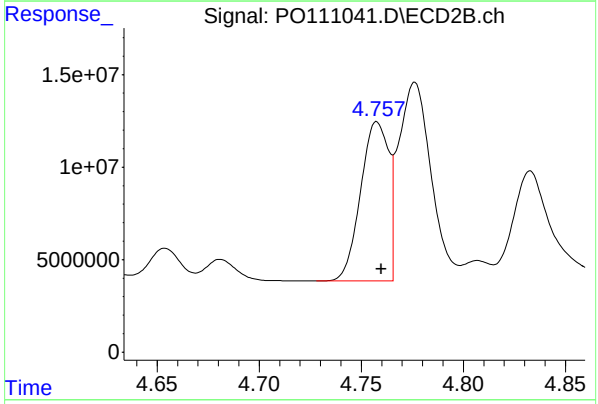
R.T.: 8.671 min
Delta R.T.: -0.005 min
Response: 92508962
Conc: 54.83 ng/ml



#3 AR-1016-1

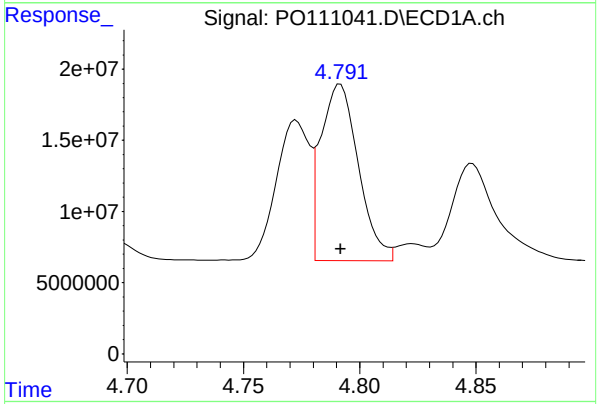
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 97654247
Conc: 441.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



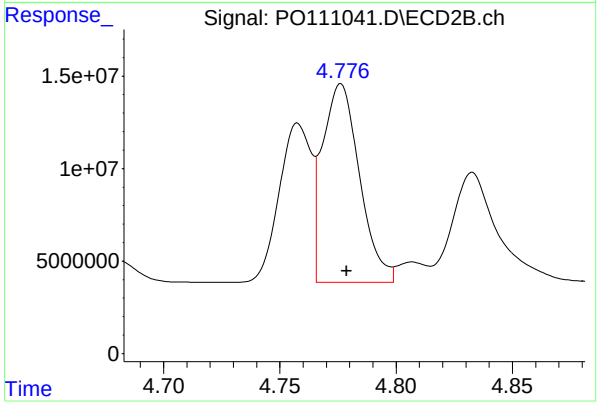
#3 AR-1016-1

R.T.: 4.758 min
Delta R.T.: -0.002 min
Response: 82420907
Conc: 518.77 ng/ml



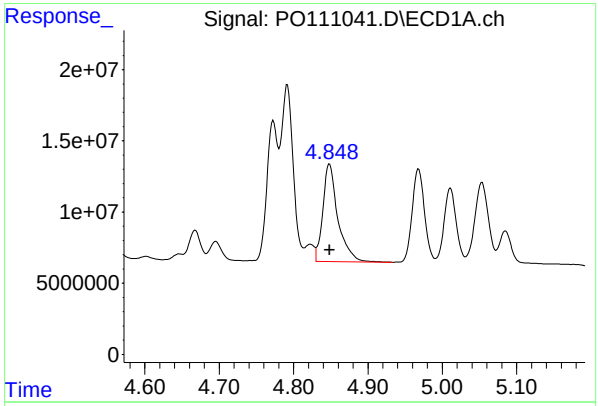
#4 AR-1016-2

R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 139939431
Conc: 451.17 ng/ml



#4 AR-1016-2

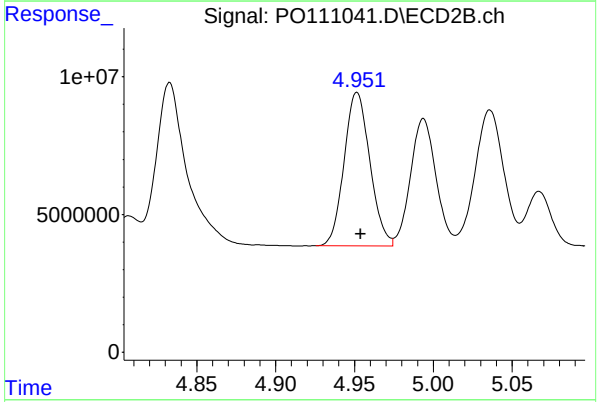
R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 119302663
Conc: 521.96 ng/ml



#5 AR-1016-3

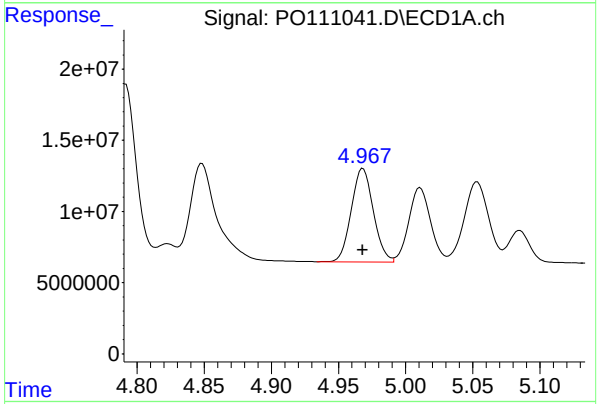
R.T.: 4.848 min
Delta R.T.: 0.000 min
Response: 96263110
Conc: 420.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



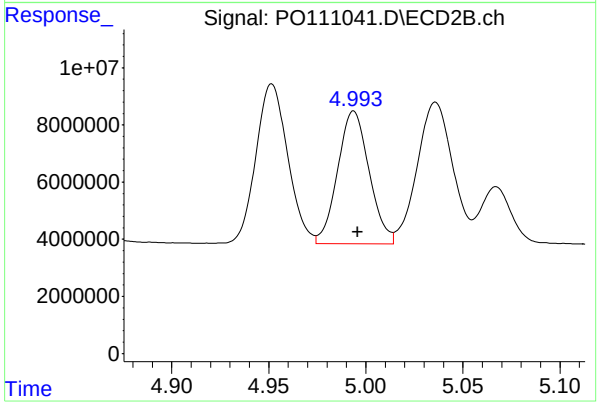
#5 AR-1016-3

R.T.: 4.952 min
Delta R.T.: -0.002 min
Response: 63563106
Conc: 521.28 ng/ml



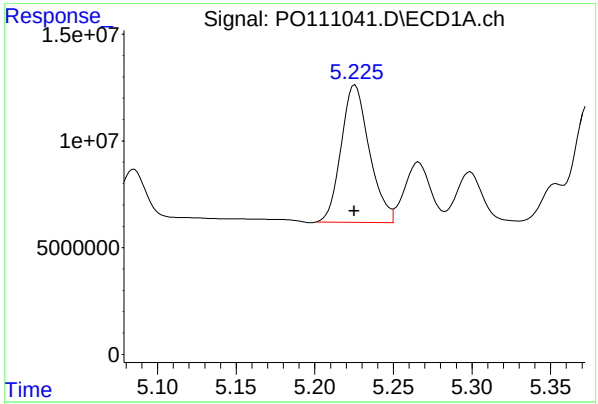
#6 AR-1016-4

R.T.: 4.968 min
Delta R.T.: 0.000 min
Response: 75934600
Conc: 454.17 ng/ml



#6 AR-1016-4

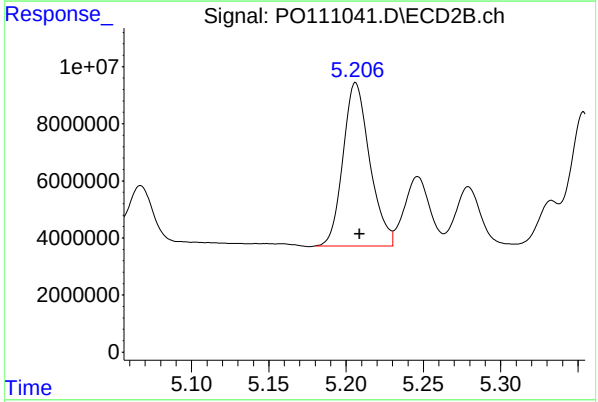
R.T.: 4.994 min
Delta R.T.: -0.002 min
Response: 52452660
Conc: 520.57 ng/ml



#7 AR-1016-5

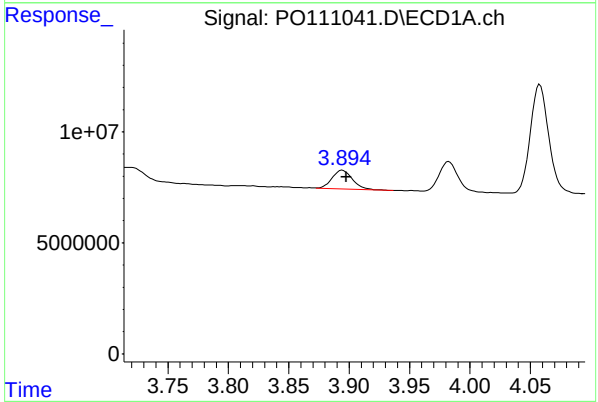
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 80517130
Conc: 452.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



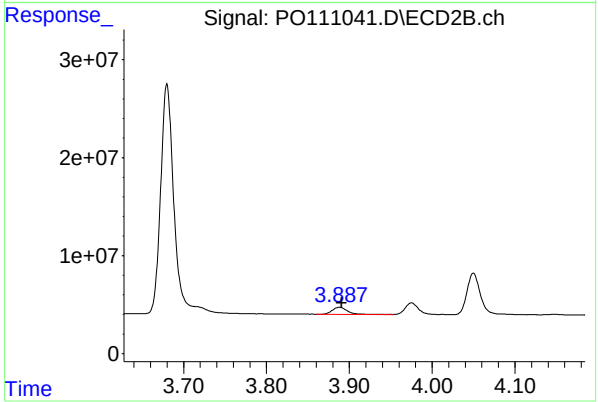
#7 AR-1016-5

R.T.: 5.206 min
Delta R.T.: -0.002 min
Response: 68606311
Conc: 522.11 ng/ml



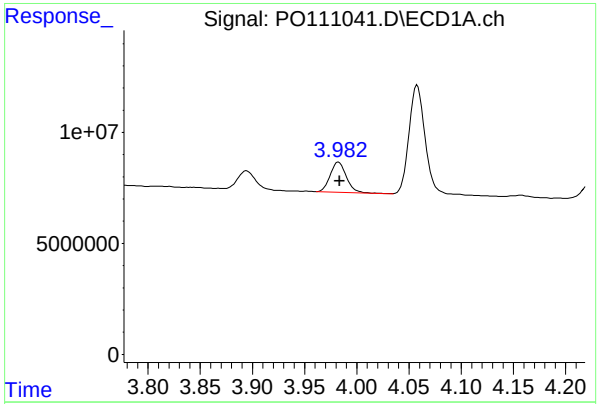
#8 AR-1221-1

R.T.: 3.894 min
Delta R.T.: -0.003 min
Response: 9996148
Conc: 114.81 ng/ml



#8 AR-1221-1

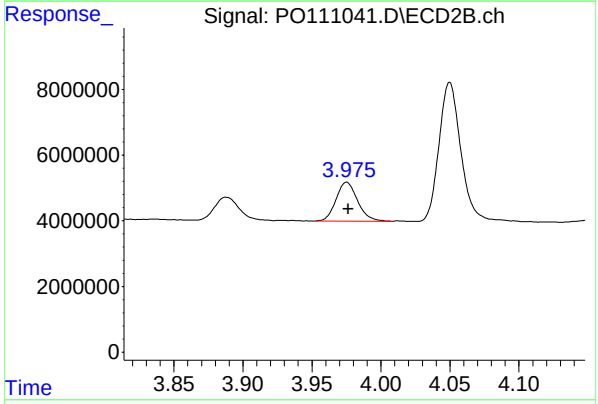
R.T.: 3.888 min
Delta R.T.: -0.003 min
Response: 8836255
Conc: 132.74 ng/ml



#9 AR-1221-2

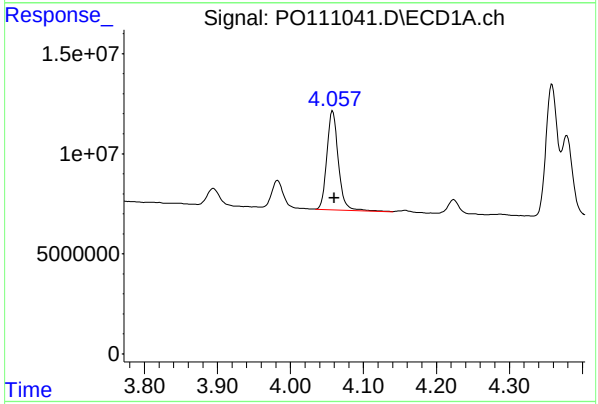
R.T.: 3.982 min
Delta R.T.: -0.001 min
Response: 14924963
Conc: 220.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



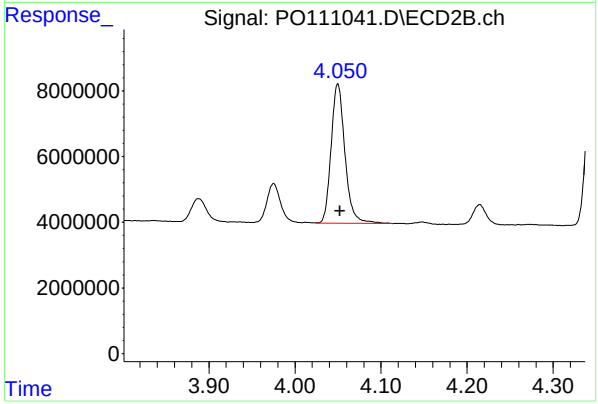
#9 AR-1221-2

R.T.: 3.975 min
Delta R.T.: -0.001 min
Response: 12965951
Conc: 252.59 ng/ml



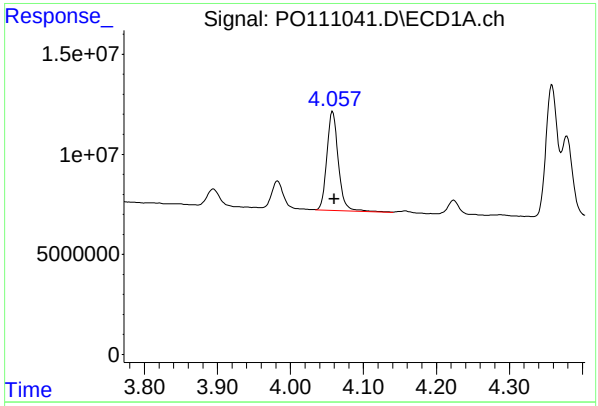
#10 AR-1221-3

R.T.: 4.058 min
Delta R.T.: -0.002 min
Response: 54089869
Conc: 273.50 ng/ml



#10 AR-1221-3

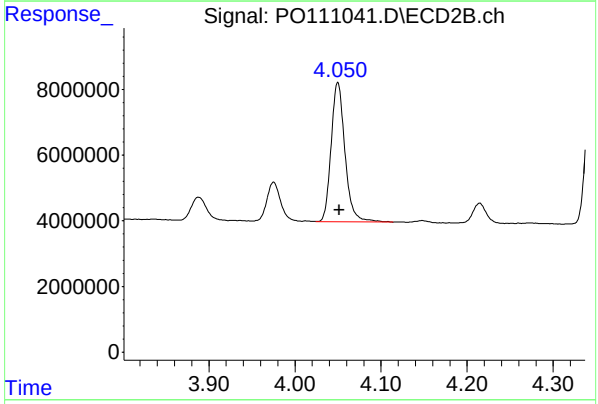
R.T.: 4.050 min
Delta R.T.: -0.002 min
Response: 47262862
Conc: 308.83 ng/ml



#11 AR-1232-1

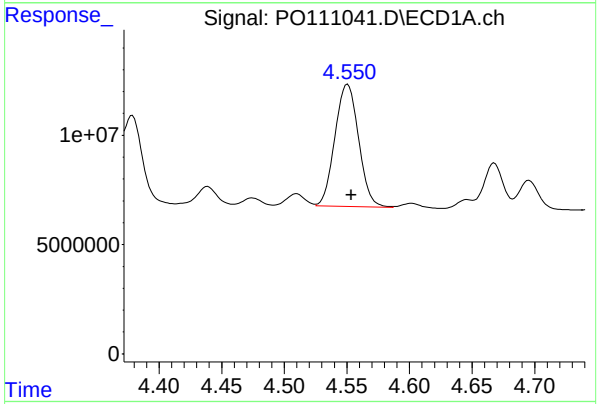
R.T.: 4.058 min
Delta R.T.: -0.002 min
Response: 54089869
Conc: 352.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



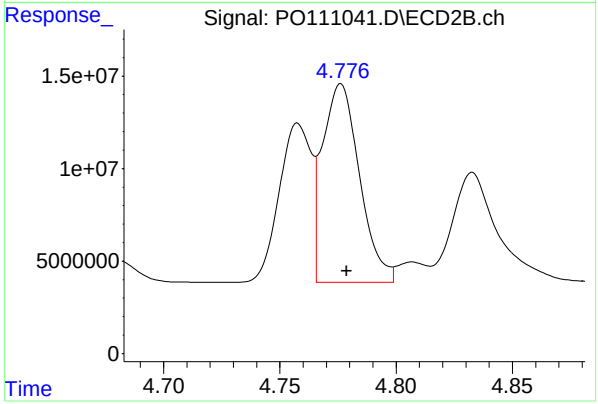
#11 AR-1232-1

R.T.: 4.050 min
Delta R.T.: -0.002 min
Response: 47262862
Conc: 402.37 ng/ml



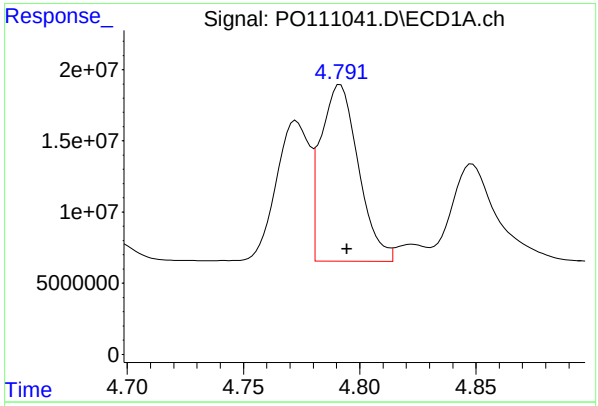
#12 AR-1232-2

R.T.: 4.551 min
Delta R.T.: -0.003 min
Response: 73926692
Conc: 897.38 ng/ml



#12 AR-1232-2

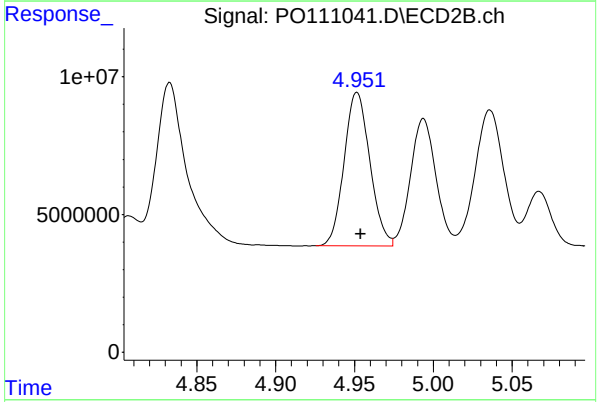
R.T.: 4.776 min
Delta R.T.: -0.002 min
Response: 119302663
Conc: 1037.10 ng/ml



#13 AR-1232-3

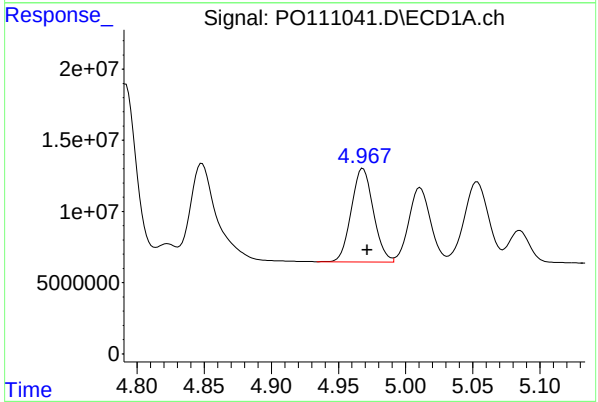
R.T.: 4.792 min
Delta R.T.: -0.003 min
Response: 139939431
Conc: 879.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



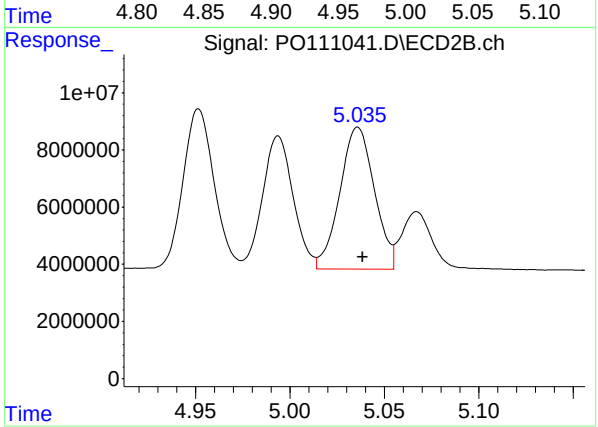
#13 AR-1232-3

R.T.: 4.952 min
Delta R.T.: -0.002 min
Response: 63563106
Conc: 1054.35 ng/ml



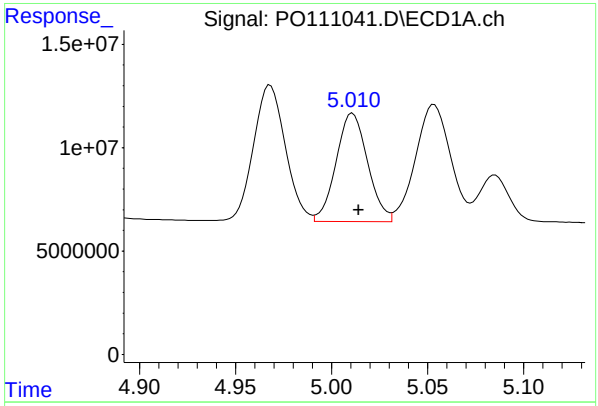
#14 AR-1232-4

R.T.: 4.968 min
Delta R.T.: -0.003 min
Response: 75934600
Conc: 902.15 ng/ml



#14 AR-1232-4

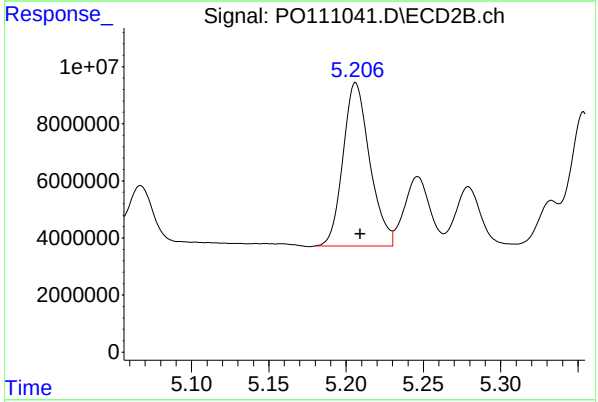
R.T.: 5.036 min
Delta R.T.: -0.003 min
Response: 63237262
Conc: 1135.06 ng/ml



#15 AR-1232-5

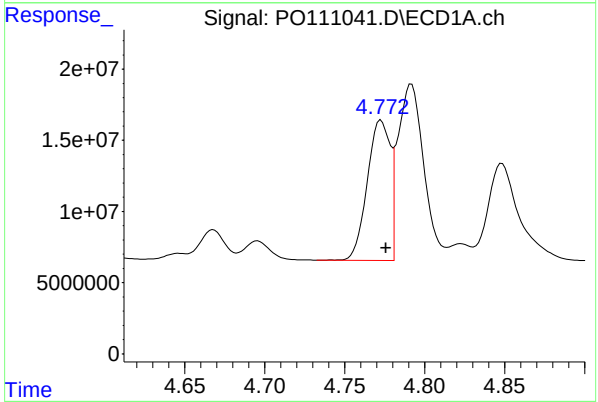
R.T.: 5.011 min
Delta R.T.: -0.003 min
Response: 59479236
Conc: 1010.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



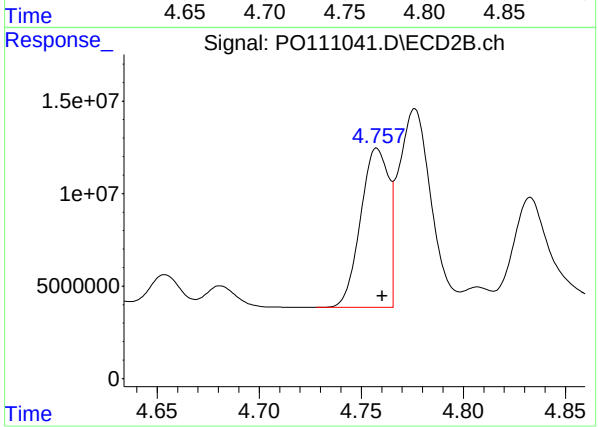
#15 AR-1232-5

R.T.: 5.206 min
Delta R.T.: -0.003 min
Response: 68606311
Conc: 1165.49 ng/ml



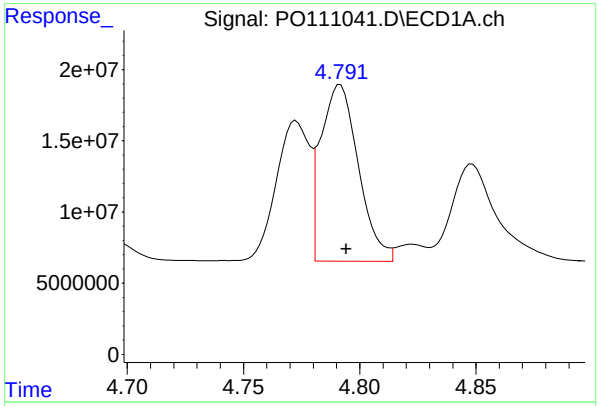
#16 AR-1242-1

R.T.: 4.773 min
Delta R.T.: -0.003 min
Response: 97654247
Conc: 530.94 ng/ml



#16 AR-1242-1

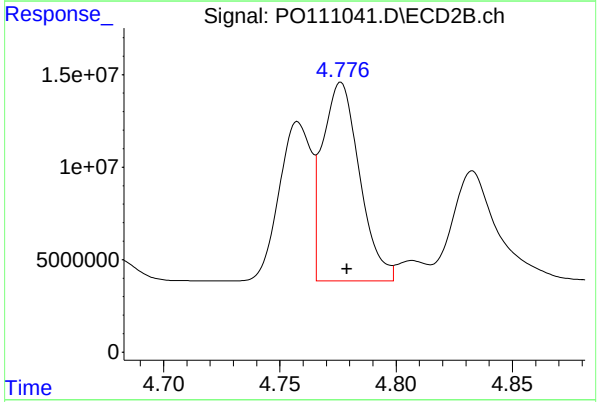
R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 82420907
Conc: 622.86 ng/ml



#17 AR-1242-2

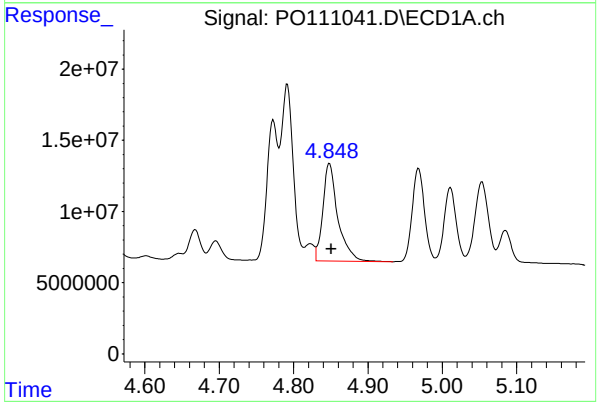
R.T.: 4.792 min
Delta R.T.: -0.002 min
Response: 139939431
Conc: 543.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



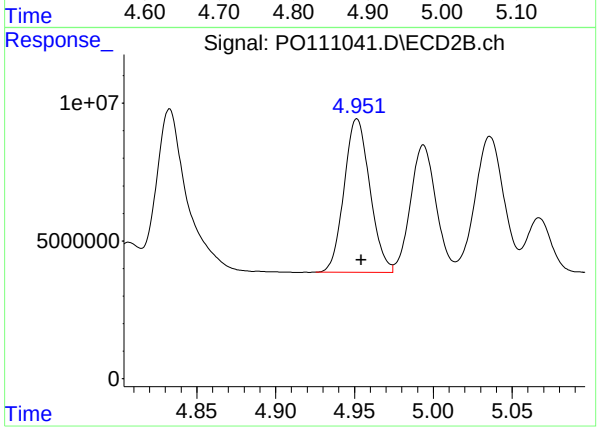
#17 AR-1242-2

R.T.: 4.776 min
Delta R.T.: -0.003 min
Response: 119302663
Conc: 627.66 ng/ml



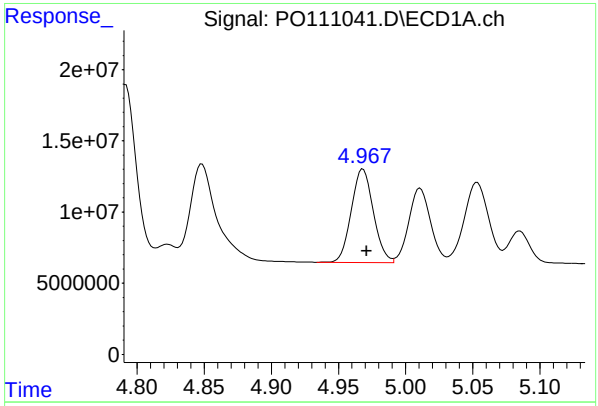
#18 AR-1242-3

R.T.: 4.848 min
Delta R.T.: -0.003 min
Response: 96263110
Conc: 528.60 ng/ml



#18 AR-1242-3

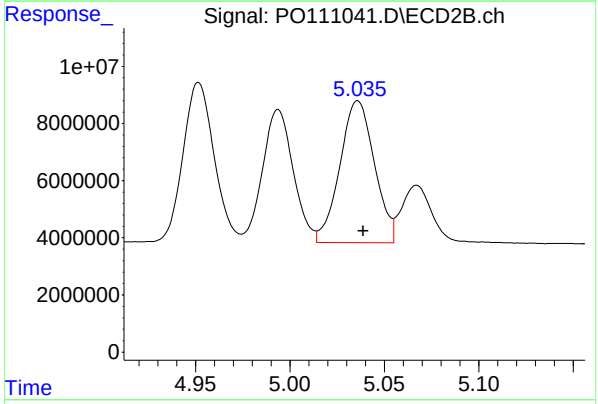
R.T.: 4.952 min
Delta R.T.: -0.003 min
Response: 63563106
Conc: 627.34 ng/ml



#19 AR-1242-4

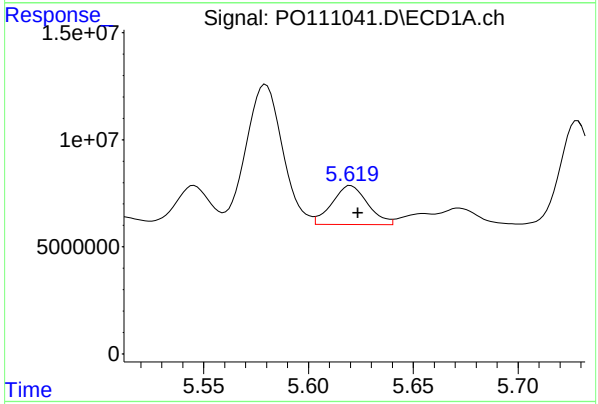
R.T.: 4.968 min
Delta R.T.: -0.003 min
Response: 75934600
Conc: 543.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



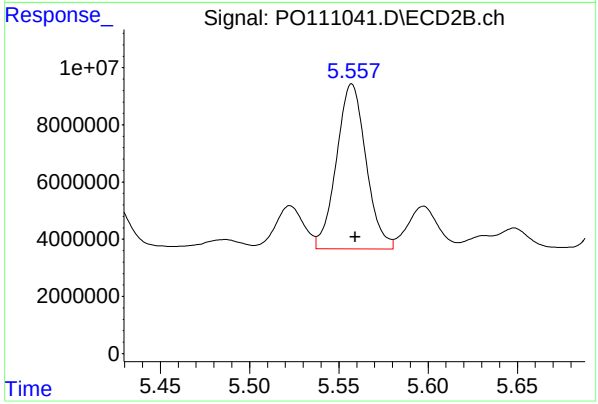
#19 AR-1242-4

R.T.: 5.036 min
Delta R.T.: -0.003 min
Response: 63237262
Conc: 609.75 ng/ml



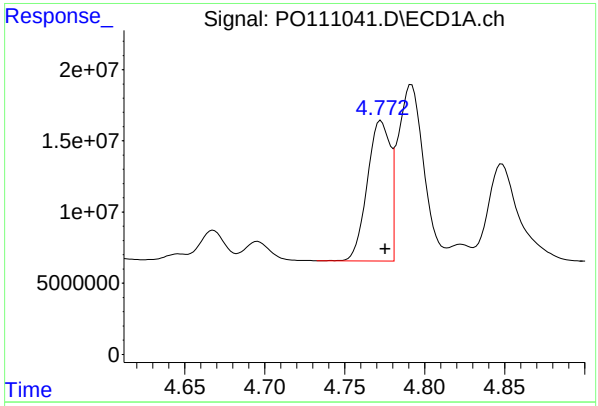
#20 AR-1242-5

R.T.: 5.620 min
Delta R.T.: -0.003 min
Response: 21647019
Conc: 138.86 ng/ml



#20 AR-1242-5

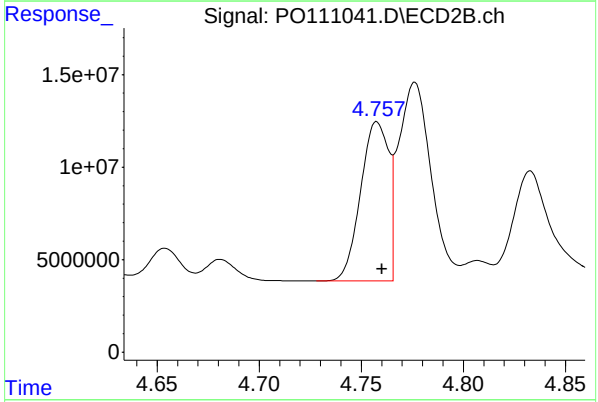
R.T.: 5.557 min
Delta R.T.: -0.002 min
Response: 66489354
Conc: 525.33 ng/ml



#21 AR-1248-1

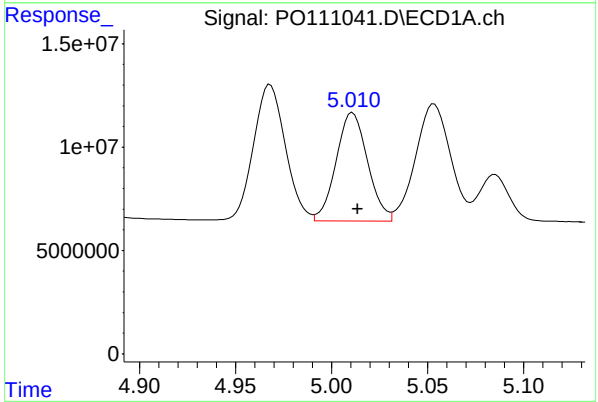
R.T.: 4.773 min
Delta R.T.: -0.003 min
Response: 97654247
Conc: 743.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



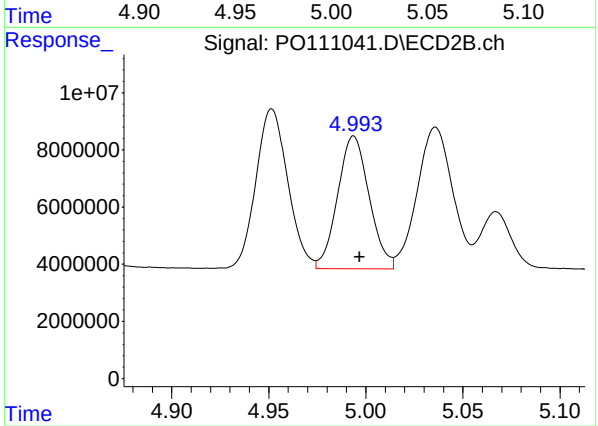
#21 AR-1248-1

R.T.: 4.758 min
Delta R.T.: -0.002 min
Response: 82420907
Conc: 855.21 ng/ml



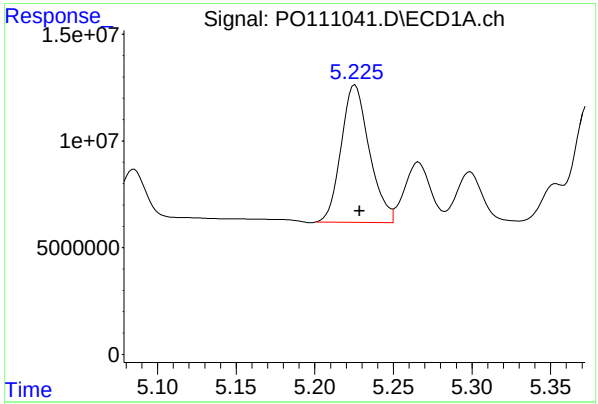
#22 AR-1248-2

R.T.: 5.011 min
Delta R.T.: -0.003 min
Response: 59479236
Conc: 339.43 ng/ml



#22 AR-1248-2

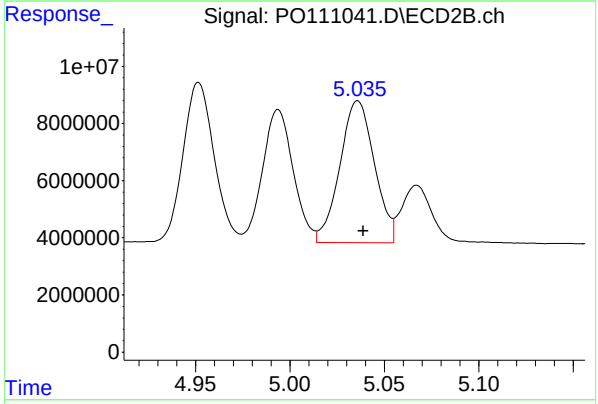
R.T.: 4.994 min
Delta R.T.: -0.003 min
Response: 52452660
Conc: 388.19 ng/ml



#23 AR-1248-3

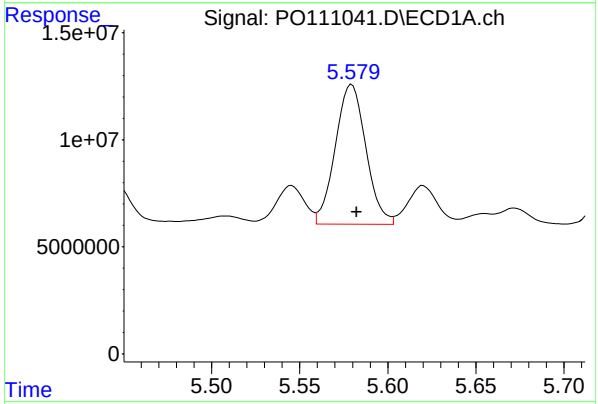
R.T.: 5.226 min
Delta R.T.: -0.003 min
Response: 80517130
Conc: 365.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



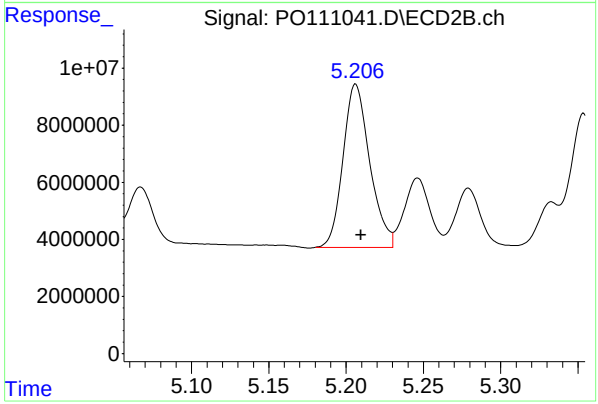
#23 AR-1248-3

R.T.: 5.036 min
Delta R.T.: -0.003 min
Response: 63237262
Conc: 435.69 ng/ml



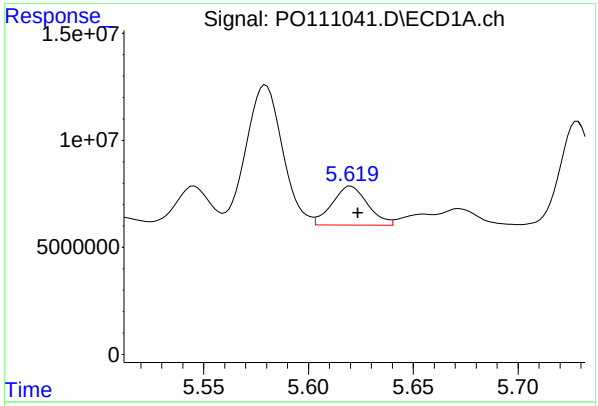
#24 AR-1248-4

R.T.: 5.580 min
Delta R.T.: -0.003 min
Response: 79154036
Conc: 241.53 ng/ml



#24 AR-1248-4

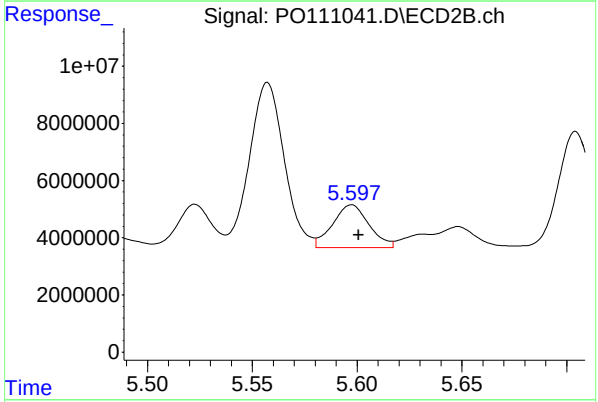
R.T.: 5.206 min
Delta R.T.: -0.003 min
Response: 68606311
Conc: 409.55 ng/ml



#25 AR-1248-5

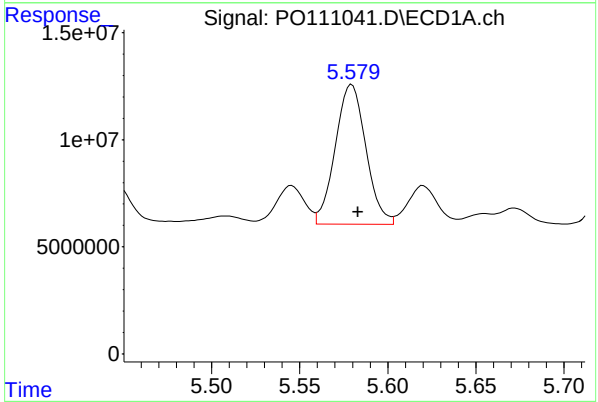
R.T.: 5.620 min
Delta R.T.: -0.003 min
Response: 21647019
Conc: 92.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



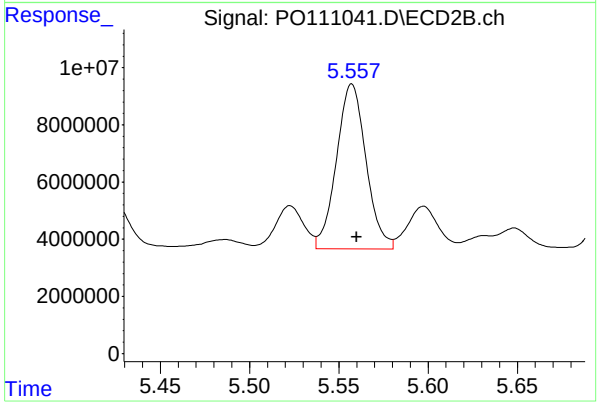
#25 AR-1248-5

R.T.: 5.597 min
Delta R.T.: -0.003 min
Response: 18041173
Conc: 107.47 ng/ml



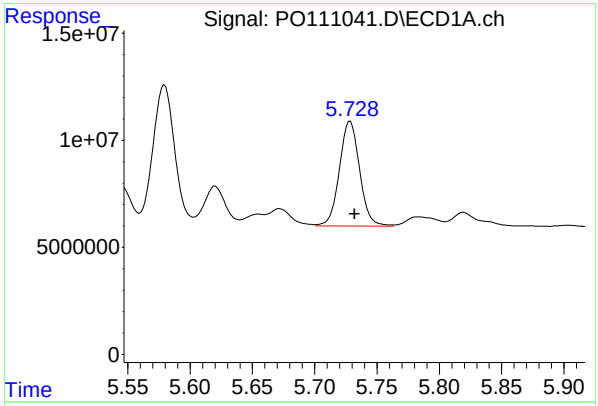
#26 AR-1254-1

R.T.: 5.580 min
Delta R.T.: -0.004 min
Response: 79154036
Conc: 234.48 ng/ml



#26 AR-1254-1

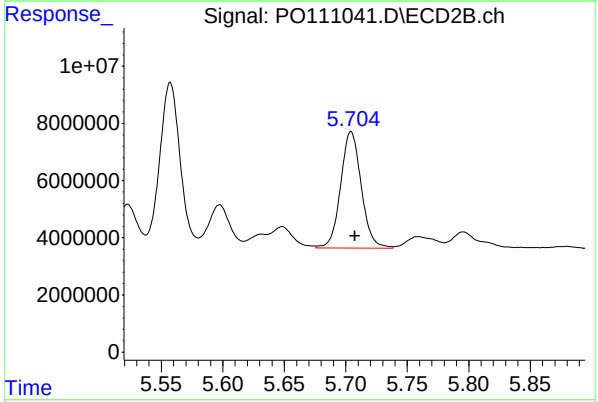
R.T.: 5.557 min
Delta R.T.: -0.003 min
Response: 66489354
Conc: 264.87 ng/ml



#27 AR-1254-2

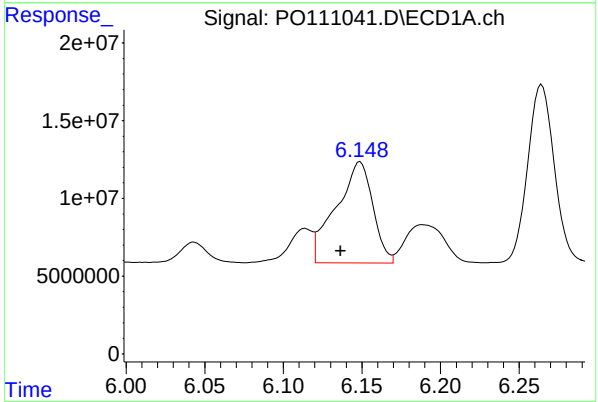
R.T.: 5.728 min
Delta R.T.: -0.004 min
Response: 55401547
Conc: 192.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



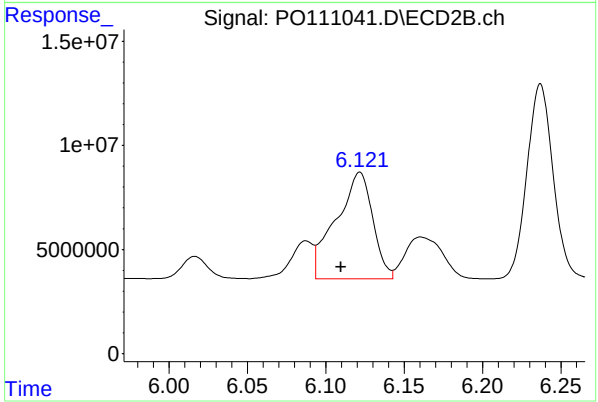
#27 AR-1254-2

R.T.: 5.704 min
Delta R.T.: -0.003 min
Response: 47528820
Conc: 217.84 ng/ml



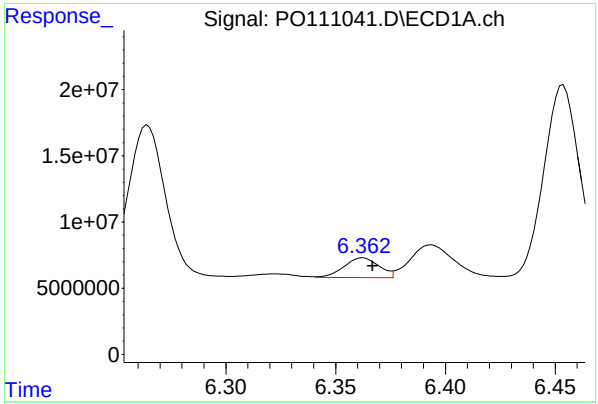
#28 AR-1254-3

R.T.: 6.149 min
Delta R.T.: 0.012 min
Response: 105943351
Conc: 231.67 ng/ml



#28 AR-1254-3

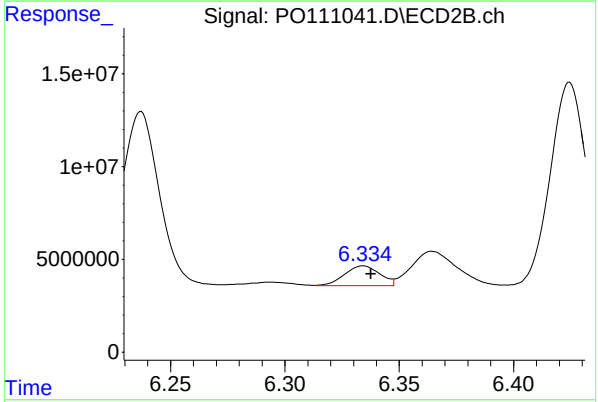
R.T.: 6.122 min
Delta R.T.: 0.012 min
Response: 83600955
Conc: 250.15 ng/ml



#29 AR-1254-4

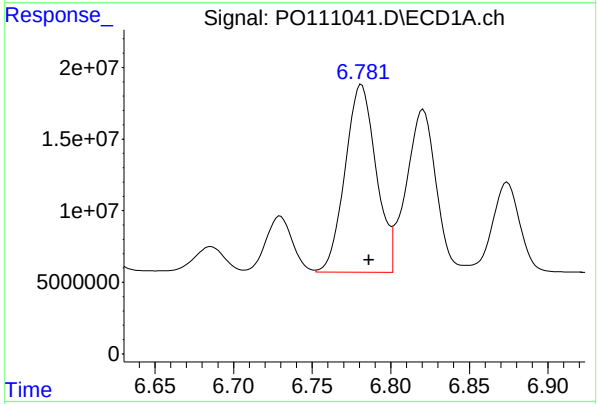
R.T.: 6.362 min
Delta R.T.: -0.004 min
Response: 16561975
Conc: 54.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



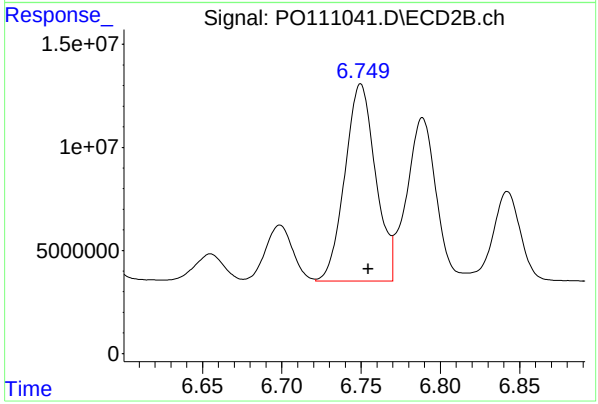
#29 AR-1254-4

R.T.: 6.334 min
Delta R.T.: -0.003 min
Response: 11568493
Conc: 59.58 ng/ml



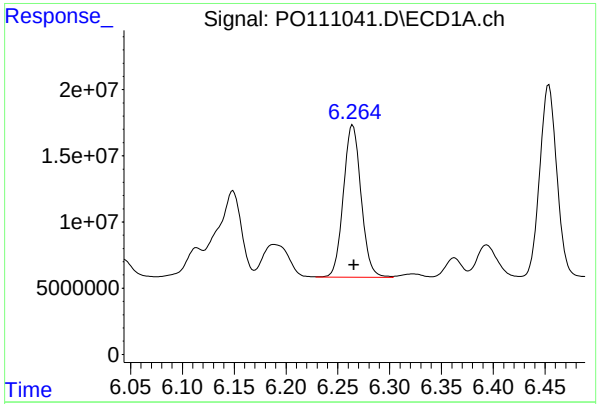
#30 AR-1254-5

R.T.: 6.781 min
Delta R.T.: -0.005 min
Response: 180100488
Conc: 426.89 ng/ml



#30 AR-1254-5

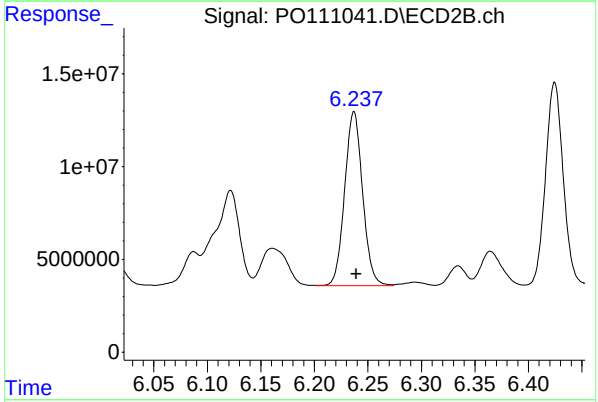
R.T.: 6.750 min
Delta R.T.: -0.005 min
Response: 128856584
Conc: 480.30 ng/ml



#31 AR-1260-1

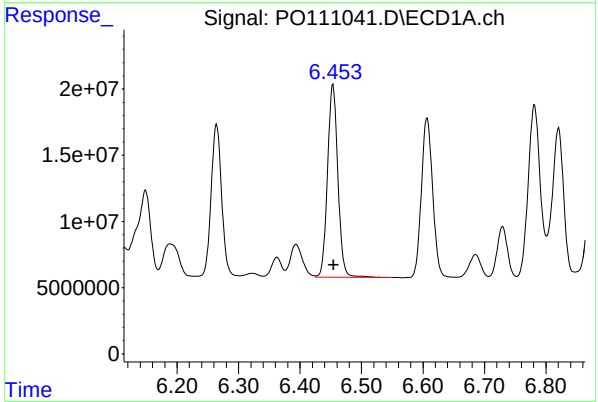
R.T.: 6.264 min
Delta R.T.: -0.001 min
Response: 137056763
Conc: 412.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



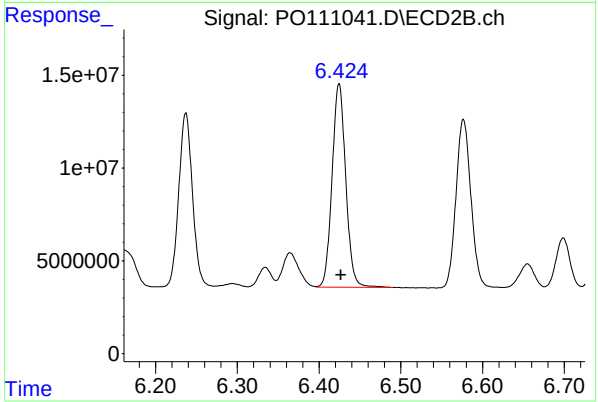
#31 AR-1260-1

R.T.: 6.237 min
Delta R.T.: -0.002 min
Response: 109470335
Conc: 495.86 ng/ml



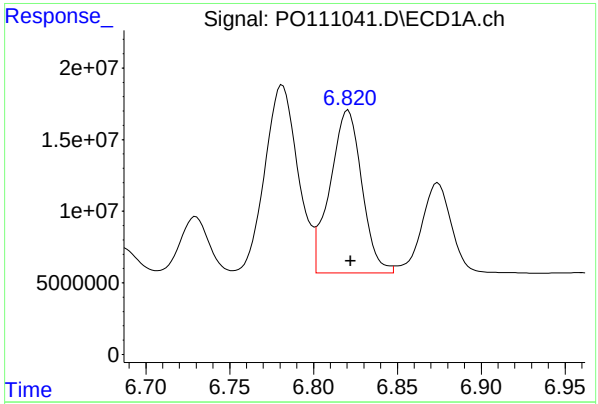
#32 AR-1260-2

R.T.: 6.454 min
Delta R.T.: -0.001 min
Response: 170990079
Conc: 412.21 ng/ml



#32 AR-1260-2

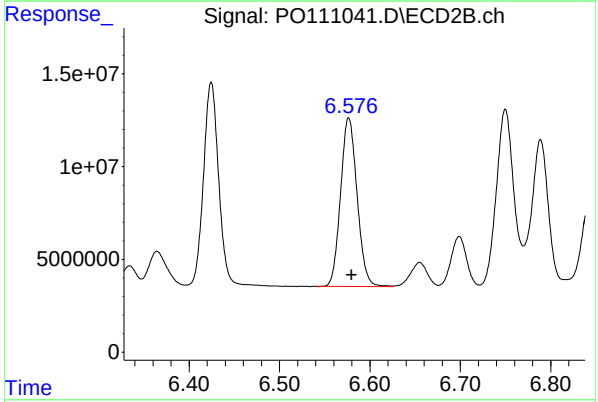
R.T.: 6.425 min
Delta R.T.: -0.002 min
Response: 127423401
Conc: 495.37 ng/ml



#33 AR-1260-3

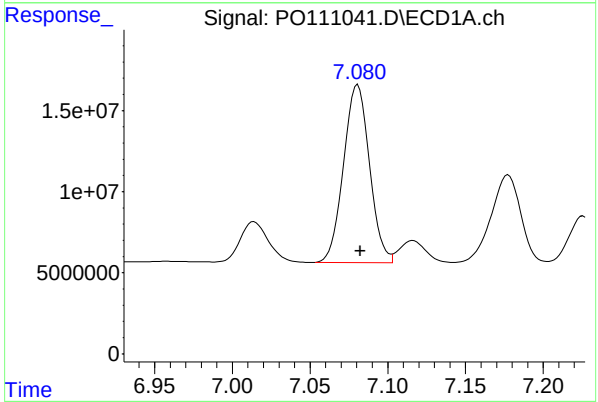
R.T.: 6.821 min
Delta R.T.: -0.002 min
Response: 150418062
Conc: 427.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



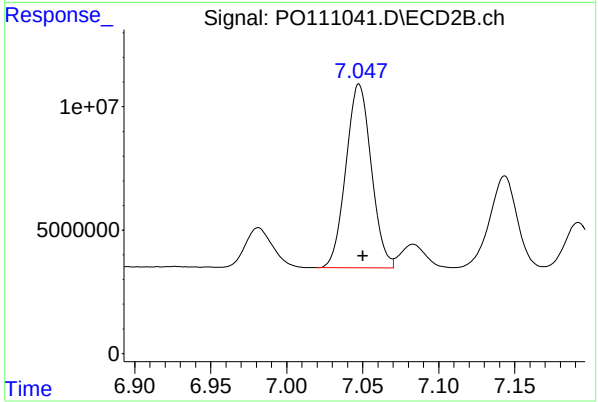
#33 AR-1260-3

R.T.: 6.577 min
Delta R.T.: -0.003 min
Response: 115366646
Conc: 494.83 ng/ml



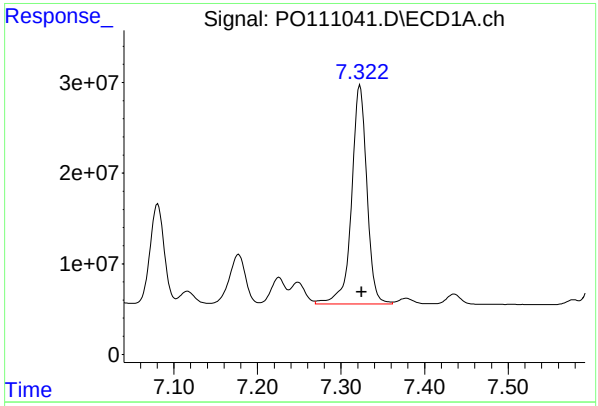
#34 AR-1260-4

R.T.: 7.081 min
Delta R.T.: -0.002 min
Response: 127771122
Conc: 419.97 ng/ml



#34 AR-1260-4

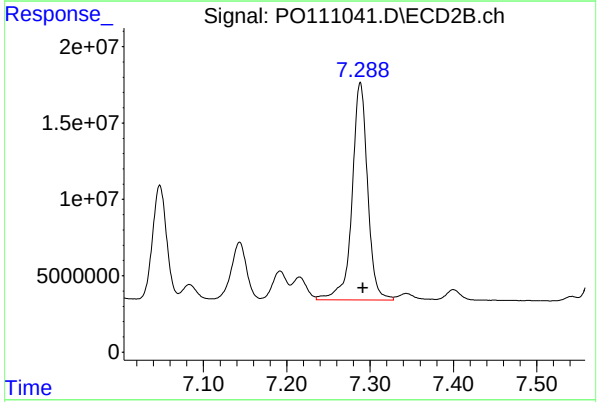
R.T.: 7.048 min
Delta R.T.: -0.003 min
Response: 86791408
Conc: 476.63 ng/ml



#35 AR-1260-5

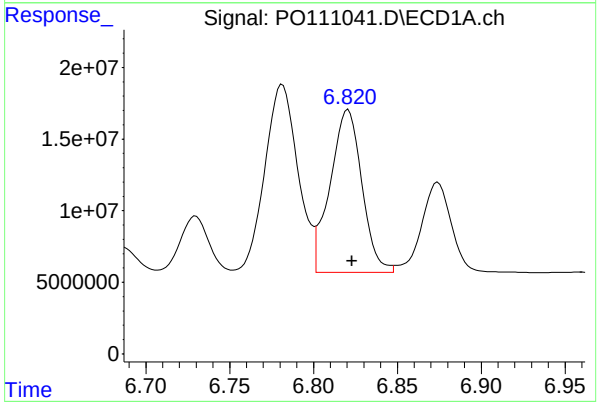
R.T.: 7.323 min
Delta R.T.: -0.002 min
Response: 307807400
Conc: 419.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



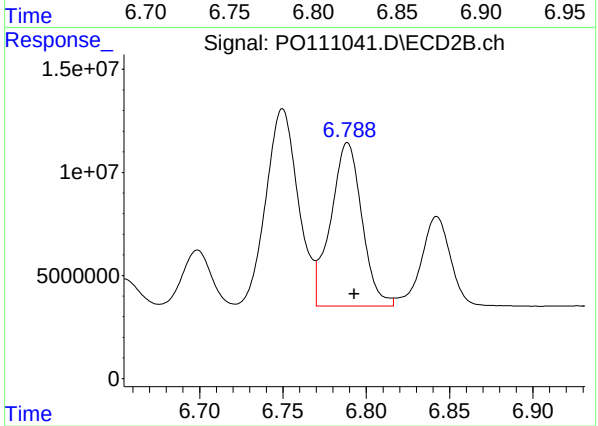
#35 AR-1260-5

R.T.: 7.288 min
Delta R.T.: -0.003 min
Response: 184850292
Conc: 470.13 ng/ml



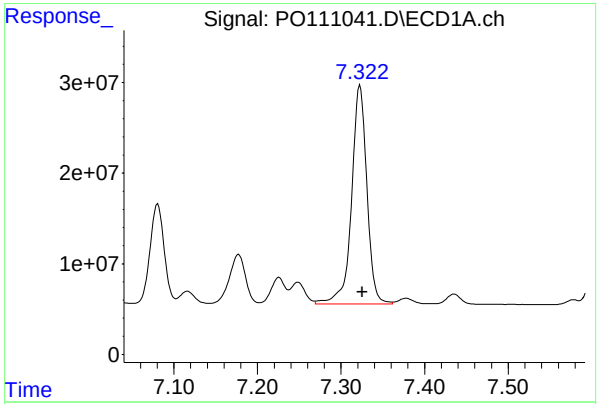
#36 AR-1262-1

R.T.: 6.821 min
Delta R.T.: -0.002 min
Response: 150418062
Conc: 326.70 ng/ml



#36 AR-1262-1

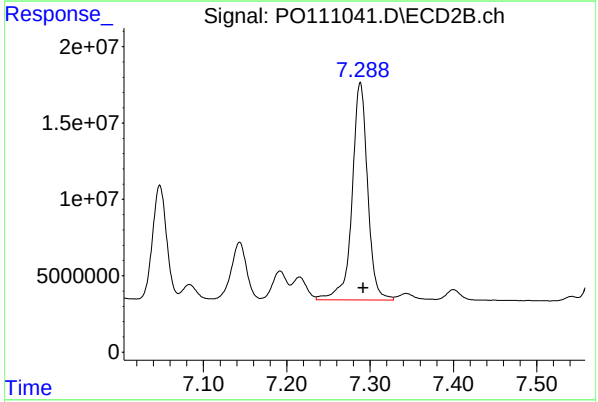
R.T.: 6.789 min
Delta R.T.: -0.004 min
Response: 103226156
Conc: 365.53 ng/ml



#37 AR-1262-2

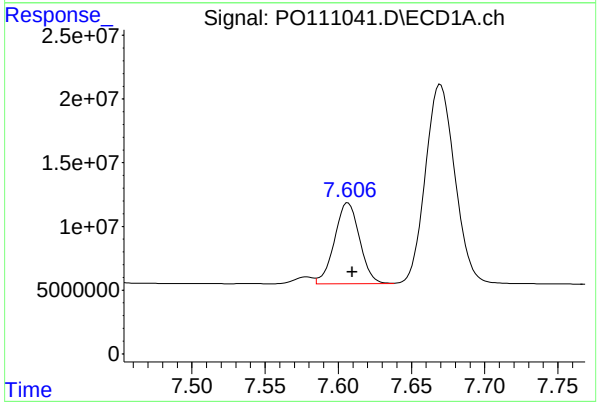
R.T.: 7.323 min
Delta R.T.: -0.003 min
Response: 307807400
Conc: 391.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



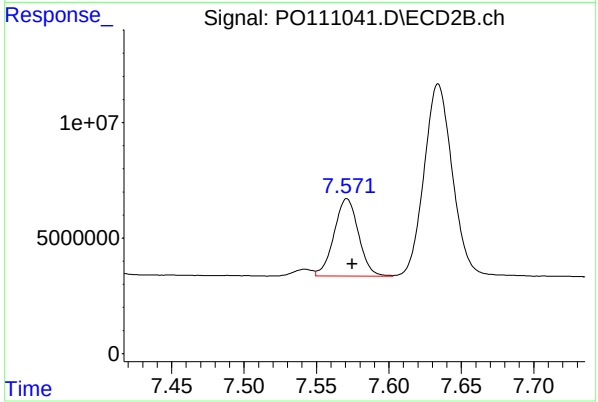
#37 AR-1262-2

R.T.: 7.288 min
Delta R.T.: -0.004 min
Response: 184850292
Conc: 420.78 ng/ml



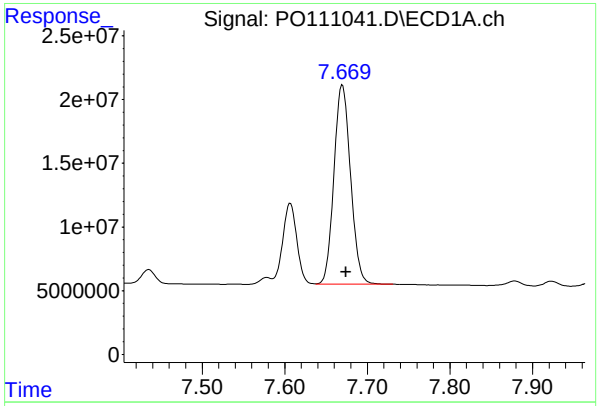
#38 AR-1262-3

R.T.: 7.607 min
Delta R.T.: -0.003 min
Response: 75719483
Conc: 226.65 ng/ml



#38 AR-1262-3

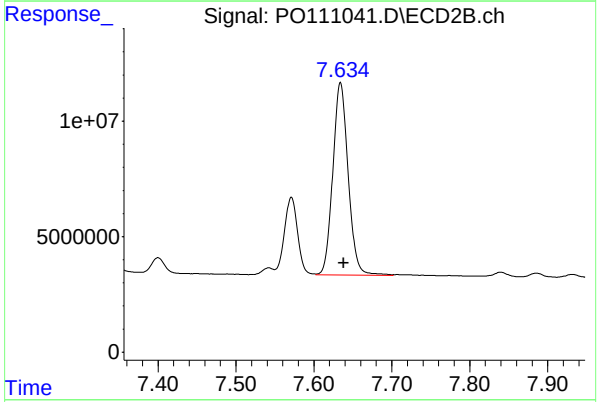
R.T.: 7.571 min
Delta R.T.: -0.004 min
Response: 39469878
Conc: 243.10 ng/ml



#39 AR-1262-4

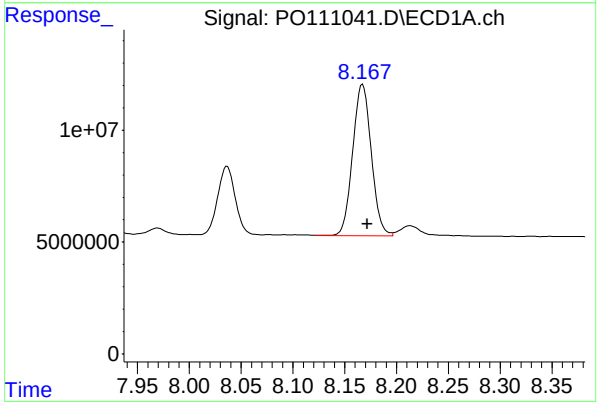
R.T.: 7.670 min
Delta R.T.: -0.004 min
Response: 218451558
Conc: 377.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



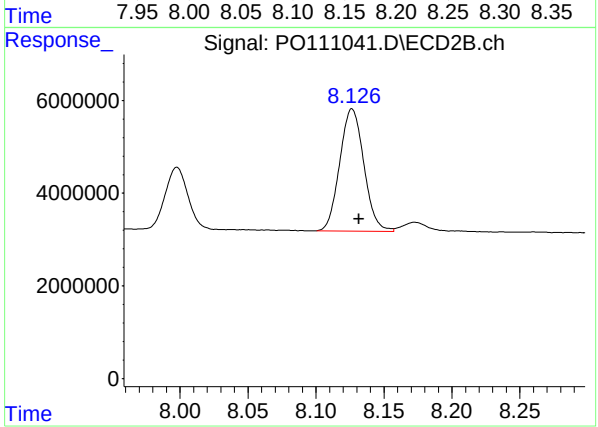
#39 AR-1262-4

R.T.: 7.634 min
Delta R.T.: -0.004 min
Response: 114252512
Conc: 392.45 ng/ml



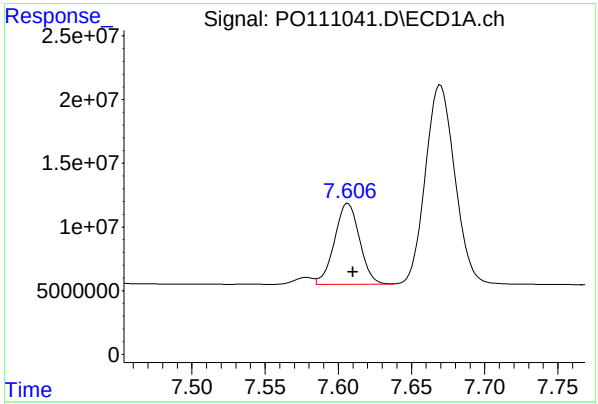
#40 AR-1262-5

R.T.: 8.167 min
Delta R.T.: -0.004 min
Response: 84586759
Conc: 317.05 ng/ml



#40 AR-1262-5

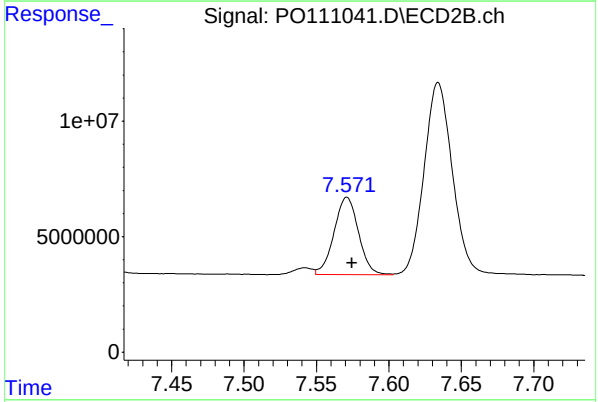
R.T.: 8.127 min
Delta R.T.: -0.005 min
Response: 32610069
Conc: 330.75 ng/ml



#41 AR-1268-1

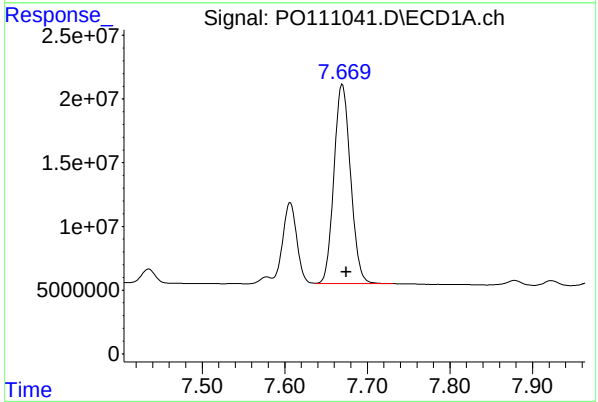
R.T.: 7.607 min
Delta R.T.: -0.003 min
Response: 75719483
Conc: 85.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



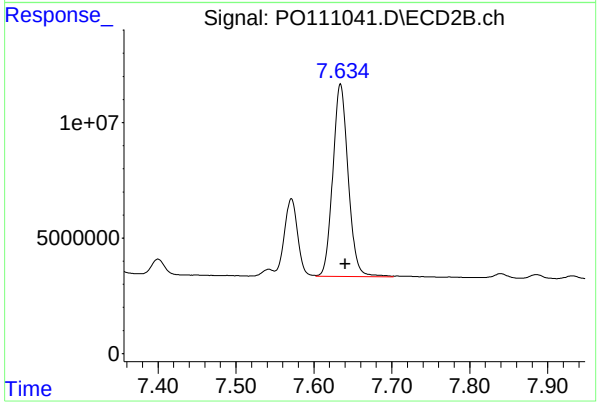
#41 AR-1268-1

R.T.: 7.571 min
Delta R.T.: -0.003 min
Response: 39469878
Conc: 91.59 ng/ml



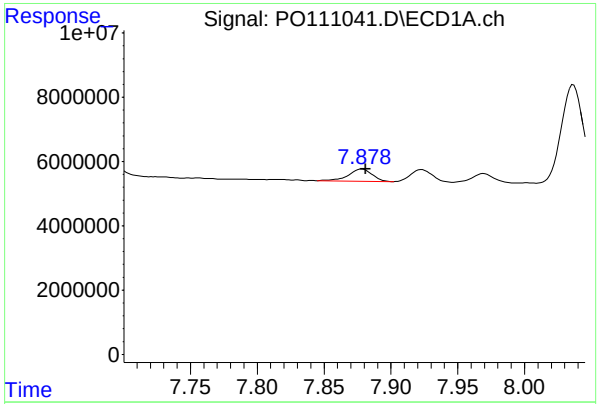
#42 AR-1268-2

R.T.: 7.670 min
Delta R.T.: -0.005 min
Response: 218451558
Conc: 272.23 ng/ml



#42 AR-1268-2

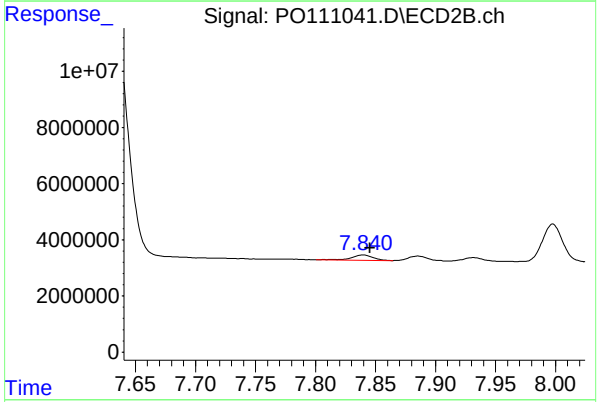
R.T.: 7.634 min
Delta R.T.: -0.006 min
Response: 114252512
Conc: 297.63 ng/ml



#43 AR-1268-3

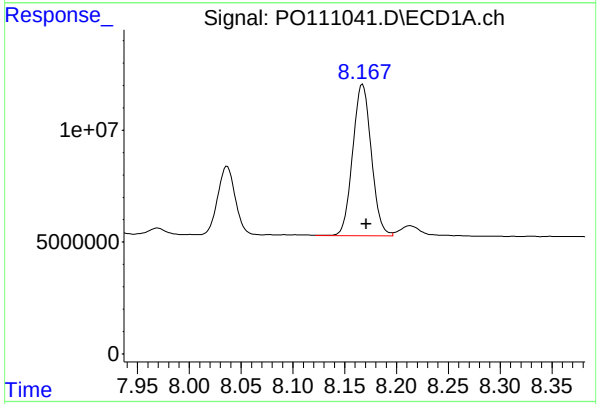
R.T.: 7.878 min
Delta R.T.: -0.003 min
Response: 4735605
Conc: 6.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



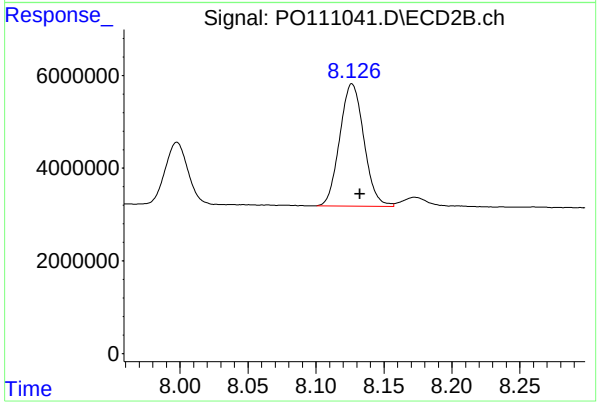
#43 AR-1268-3

R.T.: 7.840 min
Delta R.T.: -0.005 min
Response: 2234331
Conc: 7.87 ng/ml



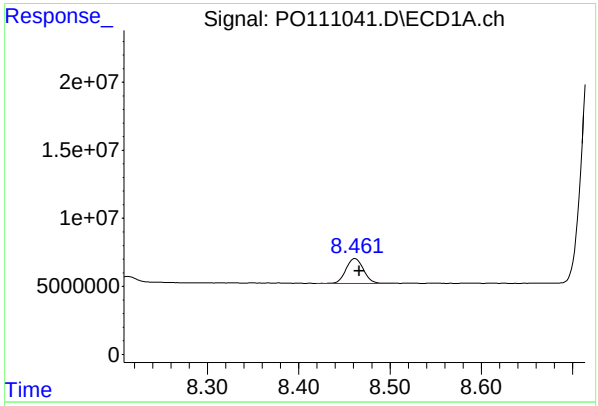
#44 AR-1268-4

R.T.: 8.167 min
Delta R.T.: -0.004 min
Response: 84586759
Conc: 304.26 ng/ml



#44 AR-1268-4

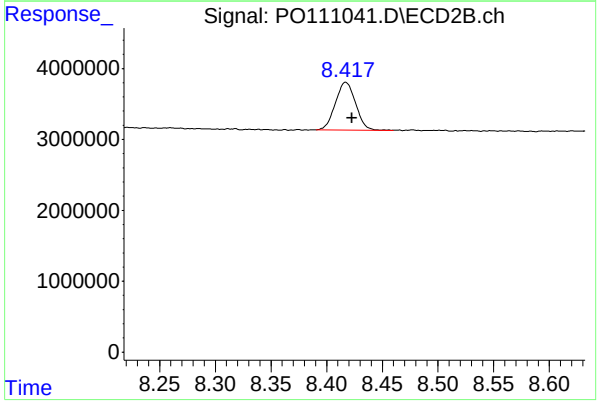
R.T.: 8.127 min
Delta R.T.: -0.006 min
Response: 32610069
Conc: 313.19 ng/ml



#45 AR-1268-5

R.T.: 8.462 min
Delta R.T.: -0.004 min
Response: 24497532
Conc: 11.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.417 min
Delta R.T.: -0.005 min
Response: 8585812
Conc: 14.15 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:34
Operator : YP\AJ
Sample : AR1660ICC50
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: Apr 22 11:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:46:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.812	8969831	7104871	4.524	5.044
2)	SA Decachlor...	10.235	8.850	6503503	4207302	4.491	4.797
	Target Compounds						
3)	L1 AR-1016-1	5.669	4.898	3083717	3007251	45.991	56.175
4)	L1 AR-1016-2	5.691	4.916	4780792	4212537	46.584	55.164
5)	L1 AR-1016-3	5.753	5.094	2802822	2158254	45.466	51.131
6)	L1 AR-1016-4	5.851	5.135	2247335	1759505	43.809	51.021
7)	L1 AR-1016-5	6.144	5.349	2125784	2429782	44.068	54.667
31)	L7 AR-1260-1	7.262	6.384	4795547	4103726	49.941	56.760
32)	L7 AR-1260-2	7.516	6.573	6922549	5050265	48.383	57.743
33)	L7 AR-1260-3	7.876	6.726	6792960	4394430	60.591	56.060
34)	L7 AR-1260-4	8.099	7.197	13410675	3401257	118.996	53.894 #
35)	L7 AR-1260-5	8.419	7.439	14700143	7878032	64.779	52.249

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

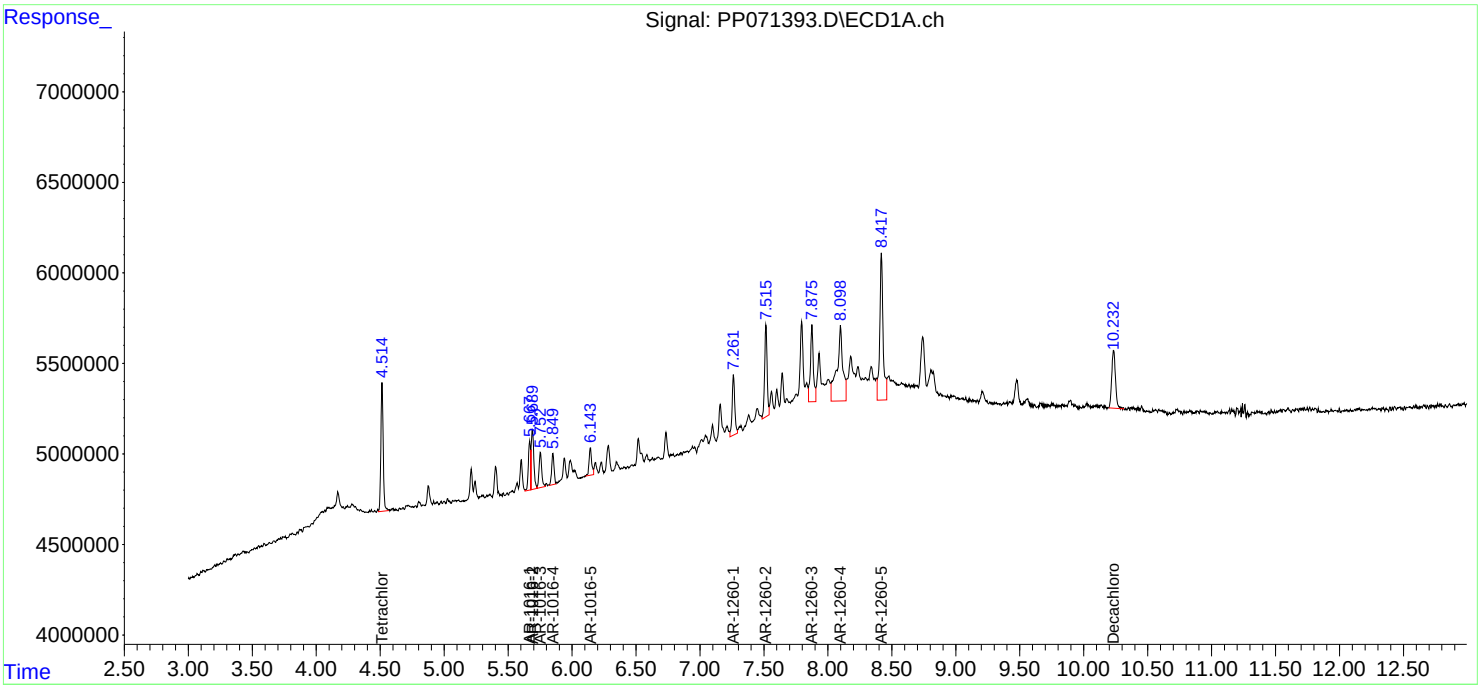
Quantitation Report (Not Reviewed)

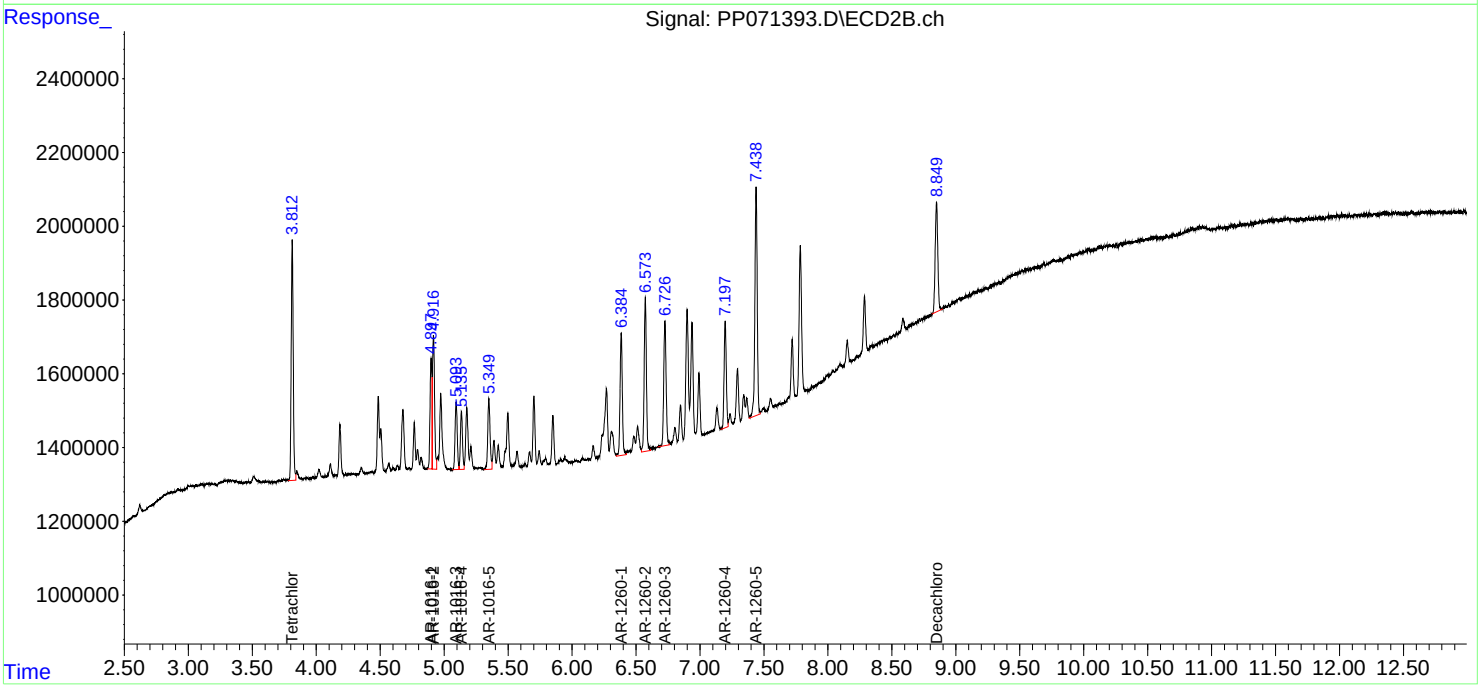
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 11:34
Operator : YP\AJ
Sample : AR1660ICC50
Misc :
ALS Vial : 7 Sample Multiplier: 1

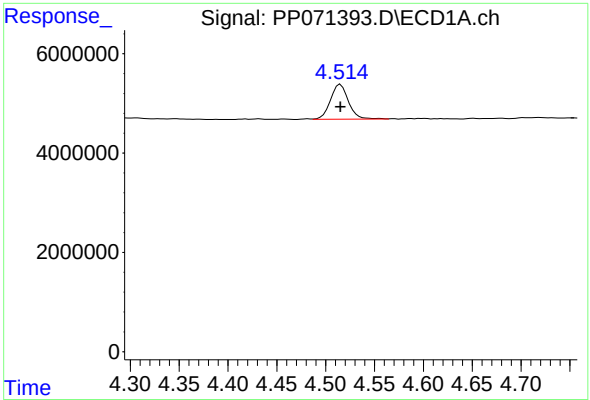
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 11:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 11:46:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



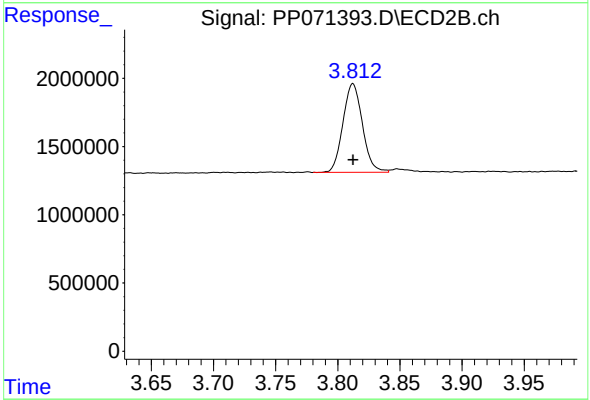




#1 Tetrachloro-m-xylene

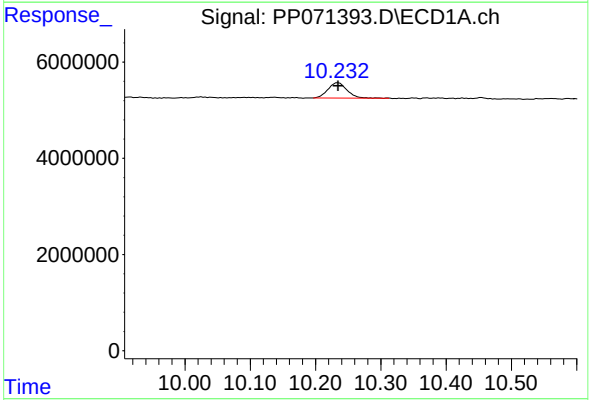
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 8969831
Conc: 4.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



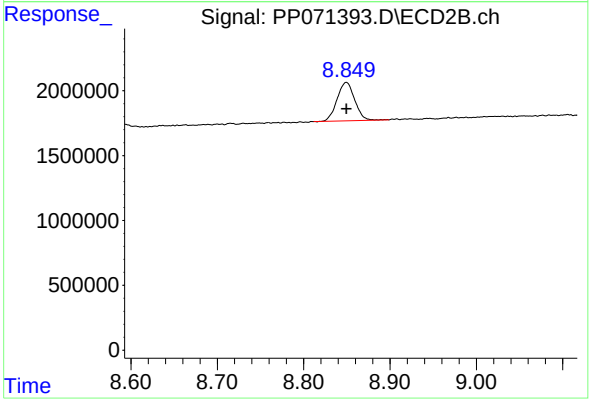
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 7104871
Conc: 5.04 ng/ml



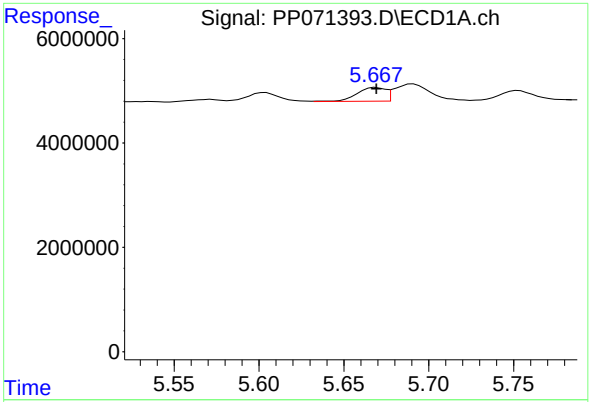
#2 Decachlorobiphenyl

R.T.: 10.235 min
Delta R.T.: 0.000 min
Response: 6503503
Conc: 4.49 ng/ml



#2 Decachlorobiphenyl

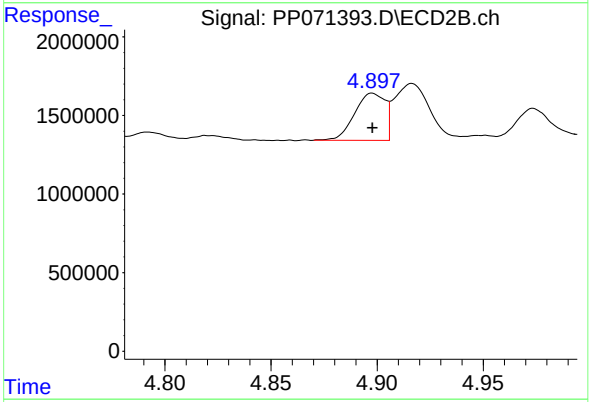
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 4207302
Conc: 4.80 ng/ml



#3 AR-1016-1

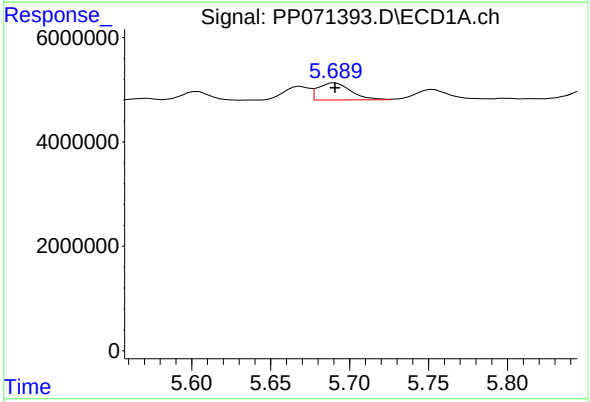
R.T.: 5.669 min
Delta R.T.: 0.000 min
Response: 3083717
Conc: 45.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



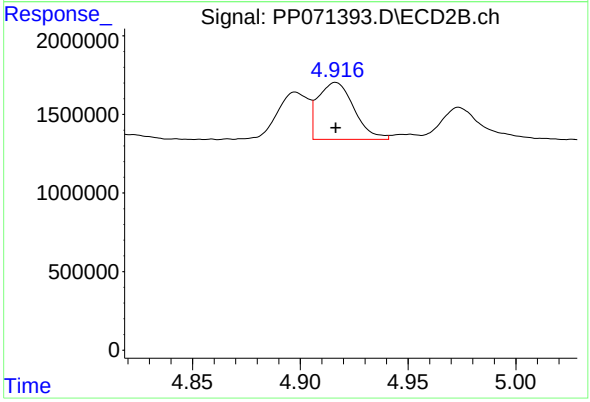
#3 AR-1016-1

R.T.: 4.898 min
Delta R.T.: 0.000 min
Response: 3007251
Conc: 56.18 ng/ml



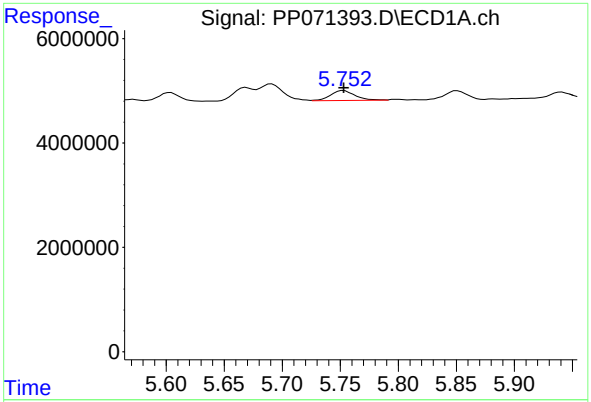
#4 AR-1016-2

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 4780792
Conc: 46.58 ng/ml



#4 AR-1016-2

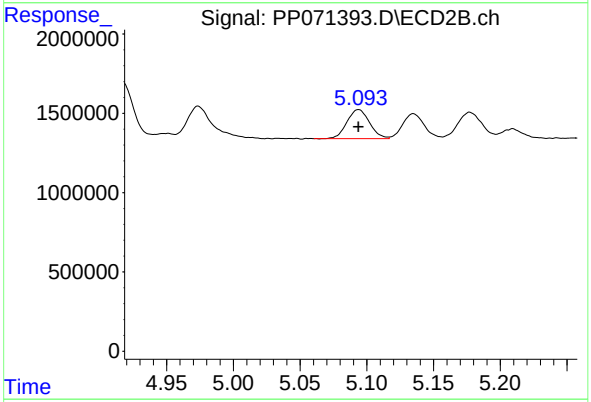
R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 4212537
Conc: 55.16 ng/ml



#5 AR-1016-3

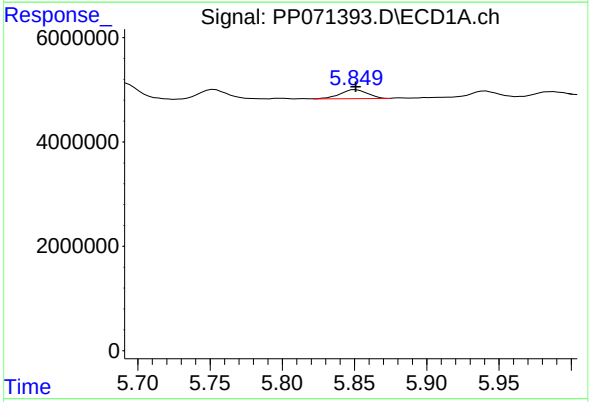
R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 2802822
Conc: 45.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



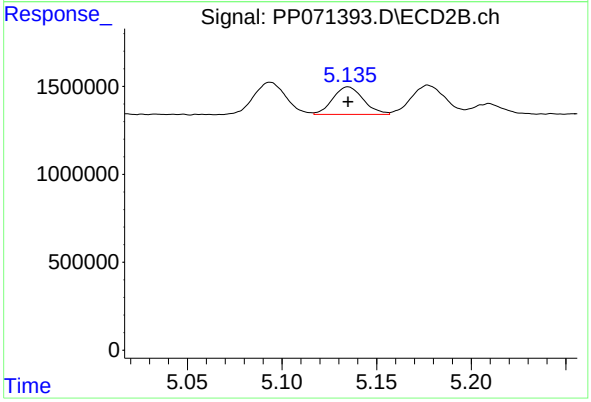
#5 AR-1016-3

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 2158254
Conc: 51.13 ng/ml



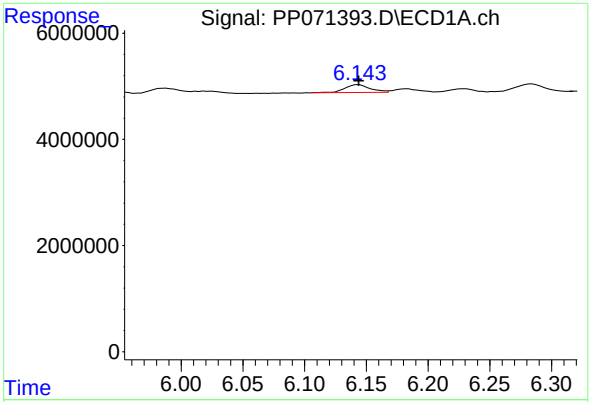
#6 AR-1016-4

R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 2247335
Conc: 43.81 ng/ml



#6 AR-1016-4

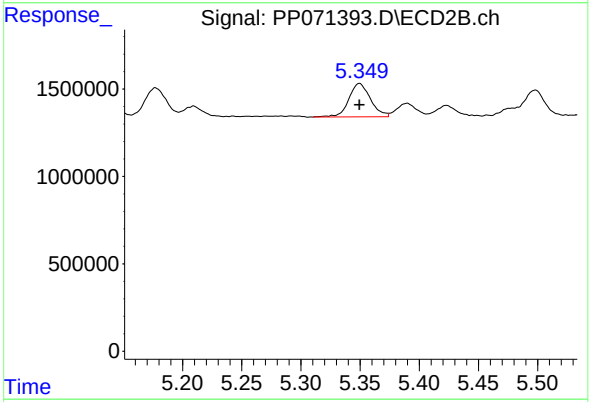
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 1759505
Conc: 51.02 ng/ml



#7 AR-1016-5

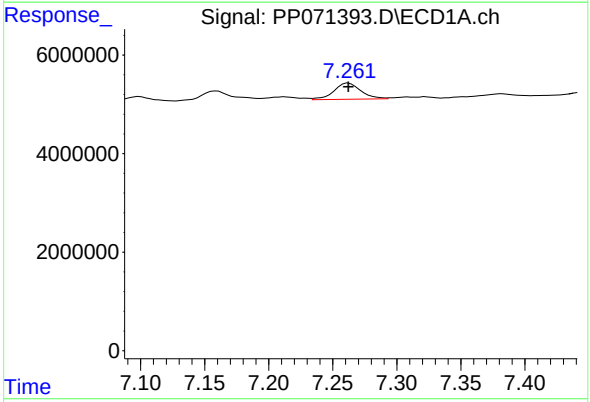
R.T.: 6.144 min
Delta R.T.: 0.000 min
Response: 2125784
Conc: 44.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



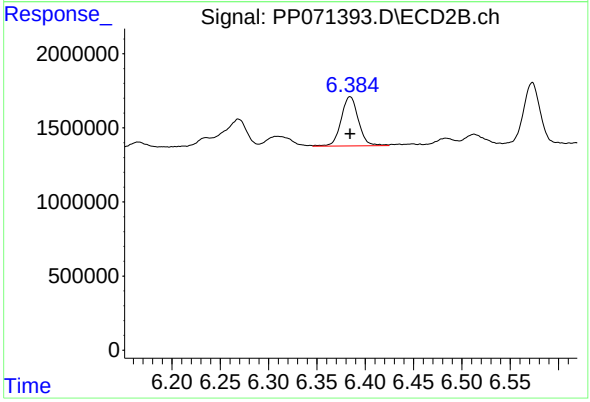
#7 AR-1016-5

R.T.: 5.349 min
Delta R.T.: 0.000 min
Response: 2429782
Conc: 54.67 ng/ml



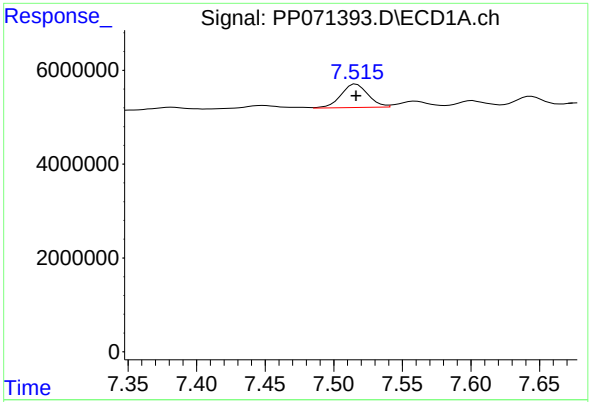
#31 AR-1260-1

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 4795547
Conc: 49.94 ng/ml



#31 AR-1260-1

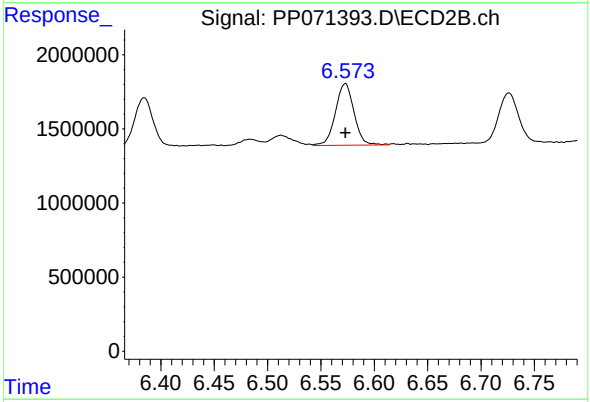
R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 4103726
Conc: 56.76 ng/ml



#32 AR-1260-2

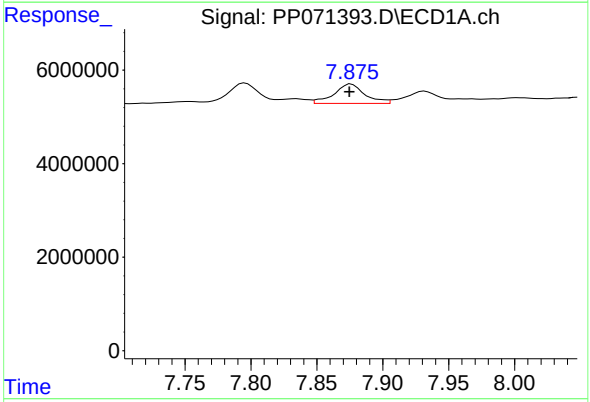
R.T.: 7.516 min
Delta R.T.: 0.000 min
Response: 6922549
Conc: 48.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



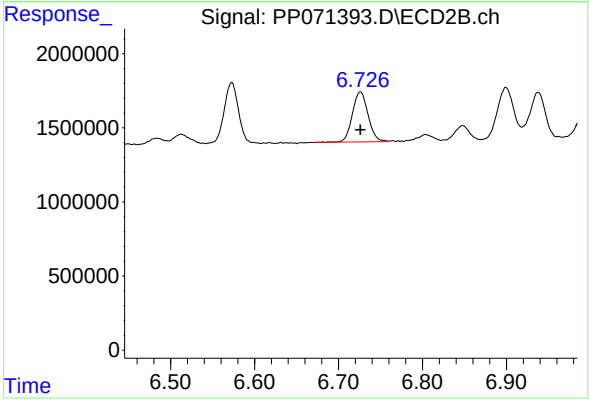
#32 AR-1260-2

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 5050265
Conc: 57.74 ng/ml



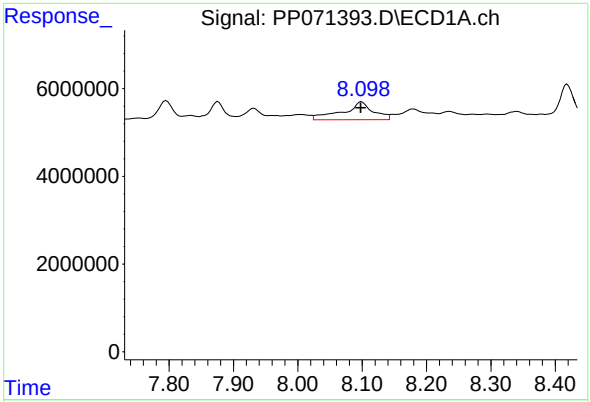
#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: 0.002 min
Response: 6792960
Conc: 60.59 ng/ml



#33 AR-1260-3

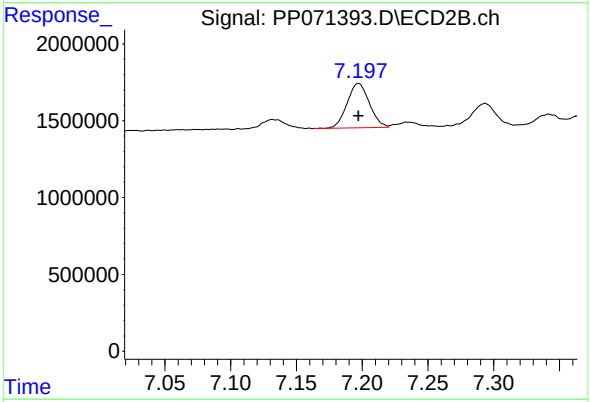
R.T.: 6.726 min
Delta R.T.: 0.000 min
Response: 4394430
Conc: 56.06 ng/ml



#34 AR-1260-4

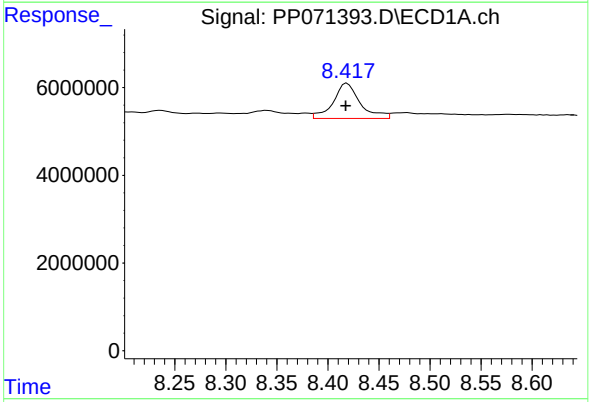
R.T.: 8.099 min
Delta R.T.: 0.001 min
Response: 13410675
Conc: 119.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050



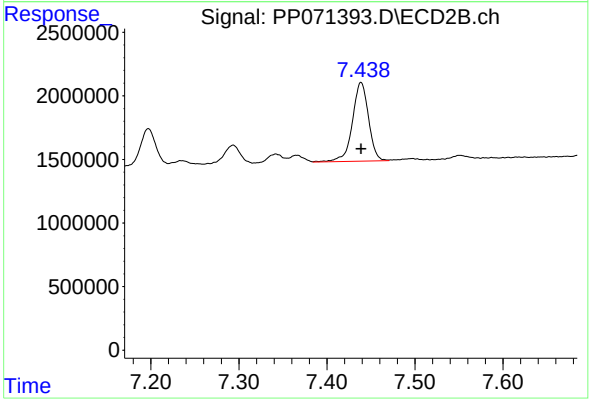
#34 AR-1260-4

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 3401257
Conc: 53.89 ng/ml



#35 AR-1260-5

R.T.: 8.419 min
Delta R.T.: 0.001 min
Response: 14700143
Conc: 64.78 ng/ml



#35 AR-1260-5

R.T.: 7.439 min
Delta R.T.: 0.000 min
Response: 7878032
Conc: 52.25 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:22
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: Apr 22 15:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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...	4.515	3.812	145.3E6	112.6E6	74.658	77.773
2)	SA Decachlor...	10.236	8.850	110.2E6	65650190	75.033	74.666
	Target Compounds						
26)	L6 AR-1254-1	6.519	5.703	60934961	65520948	744.931	759.494
27)	L6 AR-1254-2	6.735	5.851	94362074	56602387	745.775	762.037
28)	L6 AR-1254-3	7.098	6.255	95849879	85577532	748.410	746.476
29)	L6 AR-1254-4	7.381	6.483	87194278	55551540	746.295	750.532
30)	L6 AR-1254-5	7.798	6.901	93544444	72082199	848.992	737.969

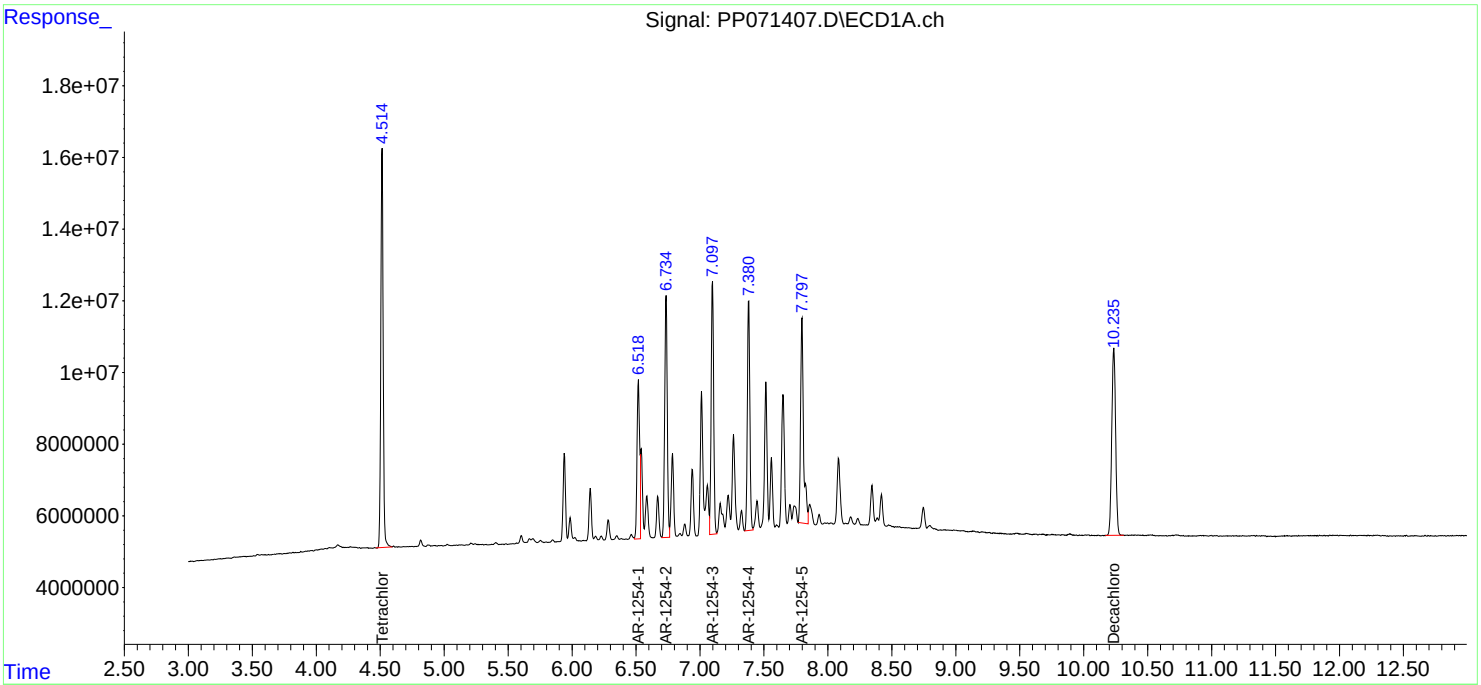
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

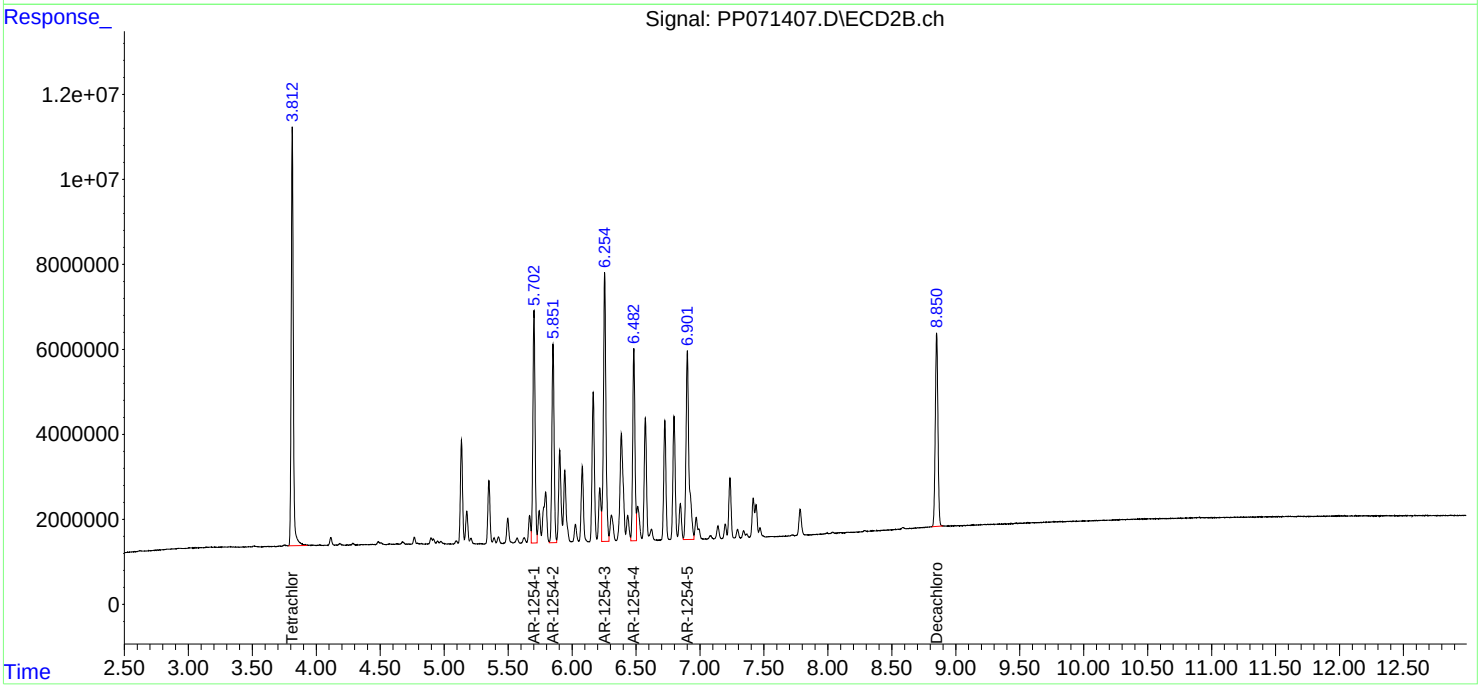
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 15:22
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

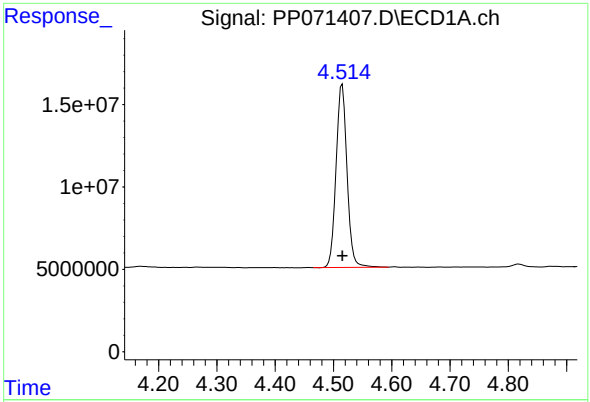
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 15:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 15:48:40 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



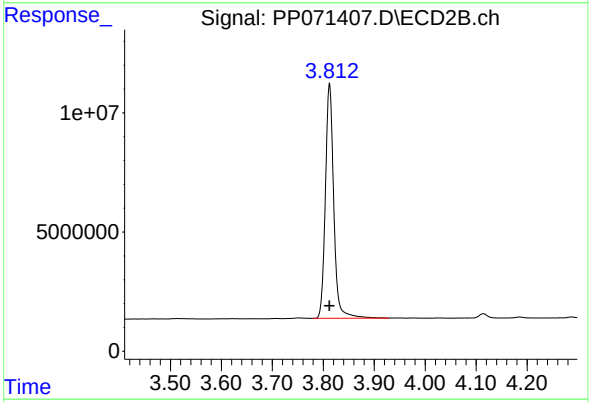




#1 Tetrachloro-m-xylene

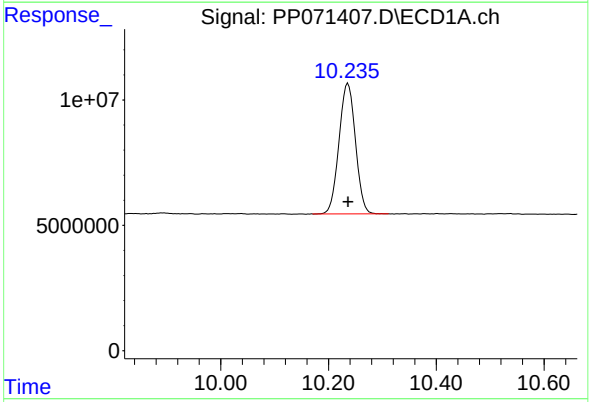
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 145274275
Conc: 74.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



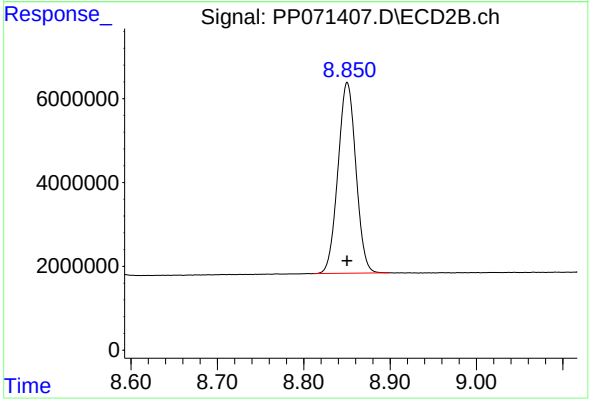
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: 0.000 min
Response: 112576042
Conc: 77.77 ng/ml



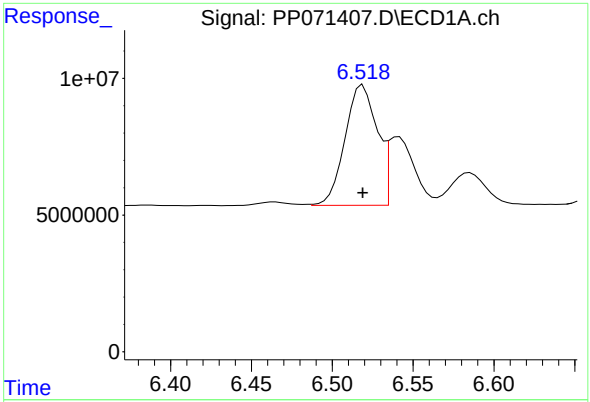
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 110190189
Conc: 75.03 ng/ml



#2 Decachlorobiphenyl

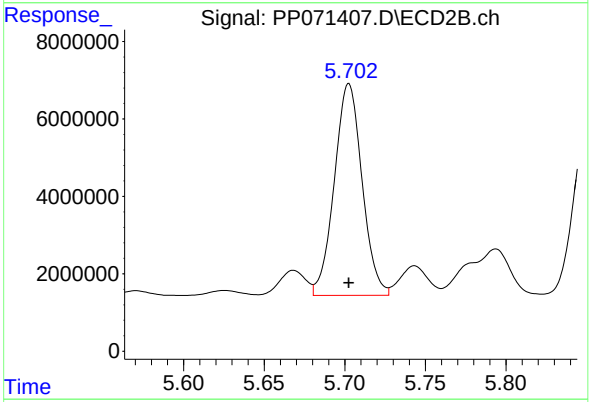
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 65650190
Conc: 74.67 ng/ml



#26 AR-1254-1

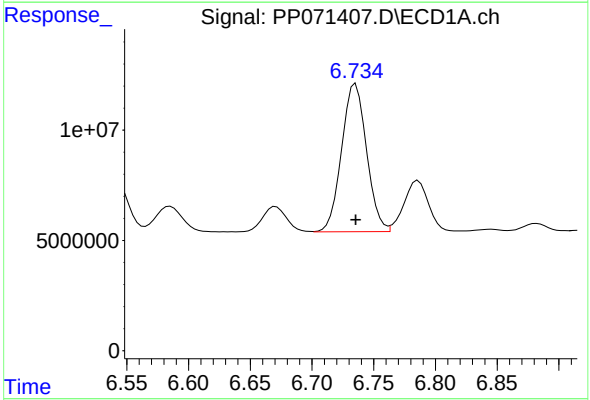
R.T.: 6.519 min
Delta R.T.: 0.000 min
Response: 60934961
Conc: 744.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



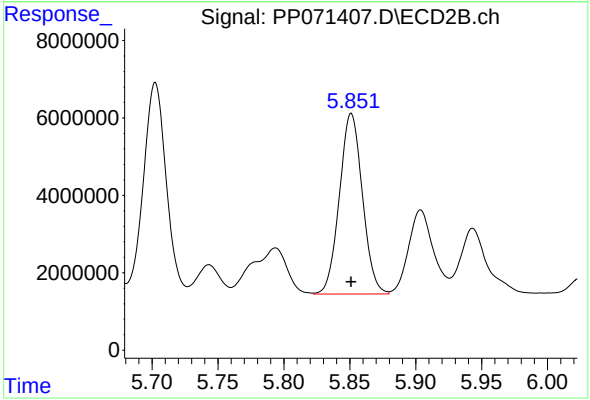
#26 AR-1254-1

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 65520948
Conc: 759.49 ng/ml



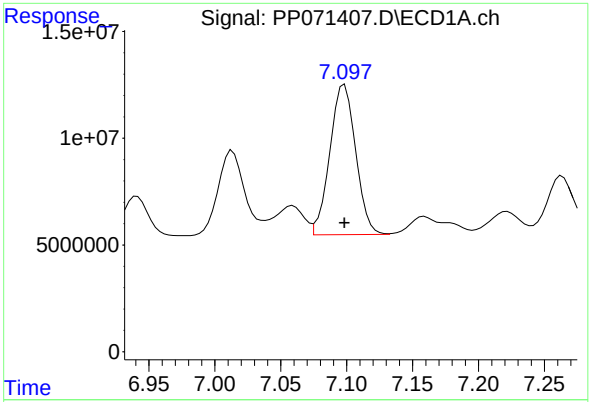
#27 AR-1254-2

R.T.: 6.735 min
Delta R.T.: 0.000 min
Response: 94362074
Conc: 745.77 ng/ml



#27 AR-1254-2

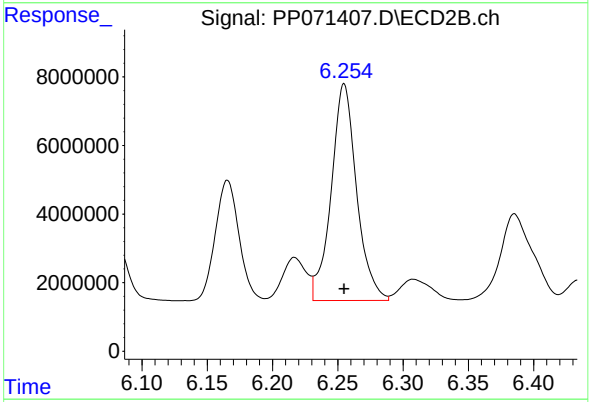
R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 56602387
Conc: 762.04 ng/ml



#28 AR-1254-3

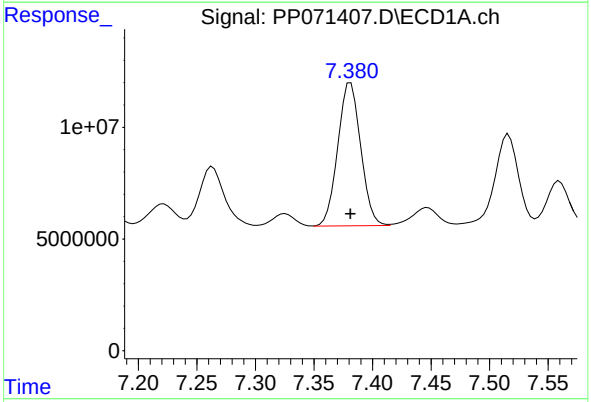
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 95849879
Conc: 748.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



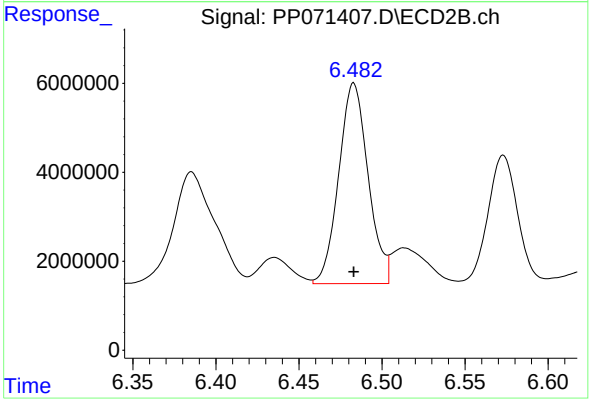
#28 AR-1254-3

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 85577532
Conc: 746.48 ng/ml



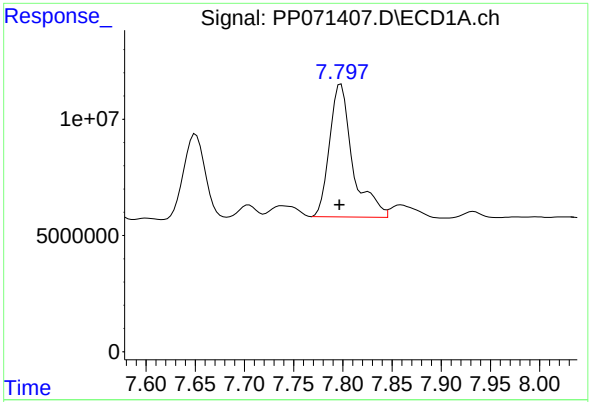
#29 AR-1254-4

R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 87194278
Conc: 746.30 ng/ml



#29 AR-1254-4

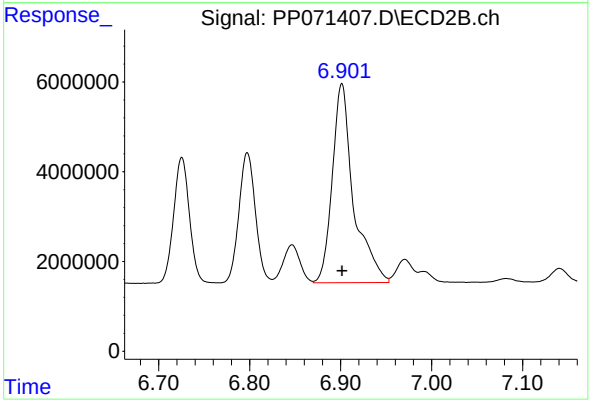
R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 55551540
Conc: 750.53 ng/ml



#30 AR-1254-5

R.T.: 7.798 min
Delta R.T.: 0.001 min
Response: 93544444
Conc: 848.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



#30 AR-1254-5

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 72082199
Conc: 737.97 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:11
Operator : YP\AJ
Sample : AR1254ICC50
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: Apr 22 16:54:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:54:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.813	8545760	7342515	4.437	5.009
2)	SA Decachlor...	10.236	8.850	6643627	4341119	4.560	4.865
	Target Compounds						
26)	L6 AR-1254-1	6.520	5.703	3787970	5045448	46.222	55.202
27)	L6 AR-1254-2	6.735	5.852	5933913	4378664	46.696	55.629
28)	L6 AR-1254-3	7.099	6.255	5851823	6211772	45.798	52.416
29)	L6 AR-1254-4	7.382	6.484	5633281	4095094	47.937	53.069
30)	L6 AR-1254-5	7.798	6.901	4819584	5346230	44.737	52.689

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

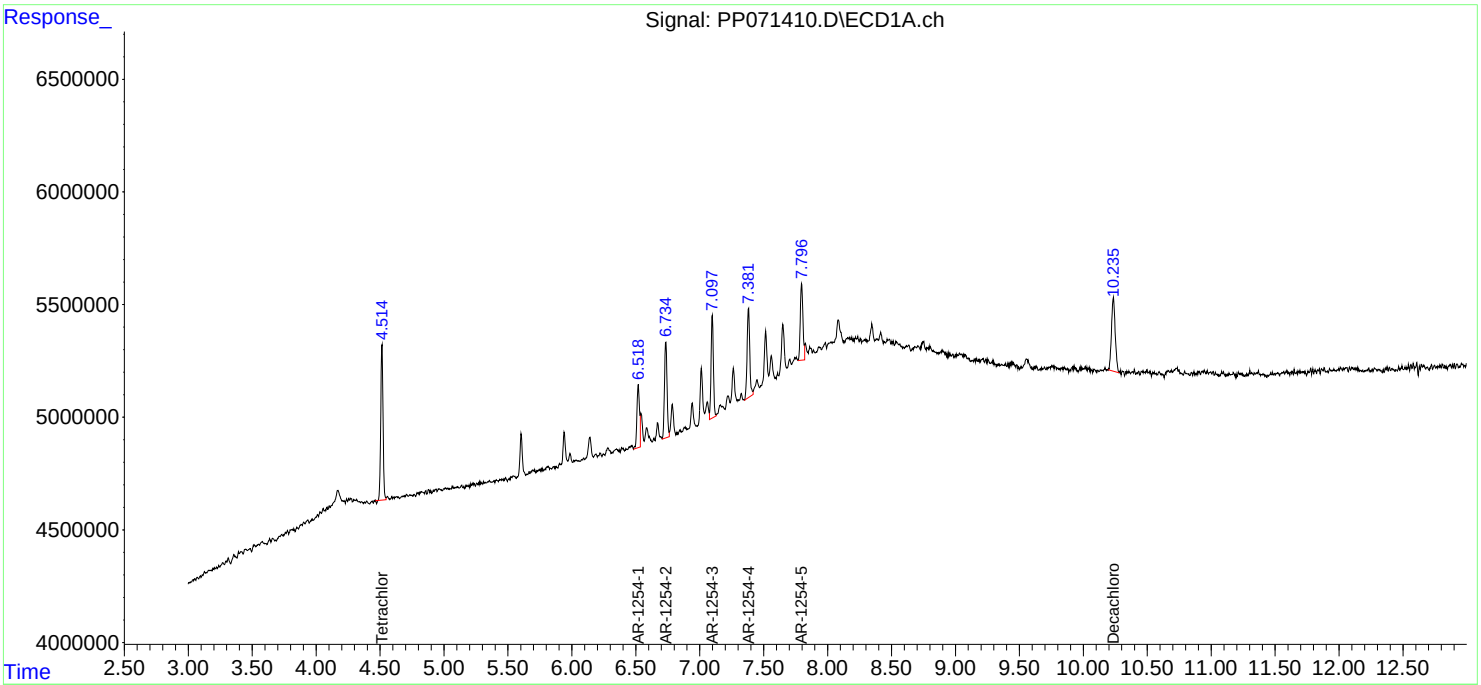
Quantitation Report (Not Reviewed)

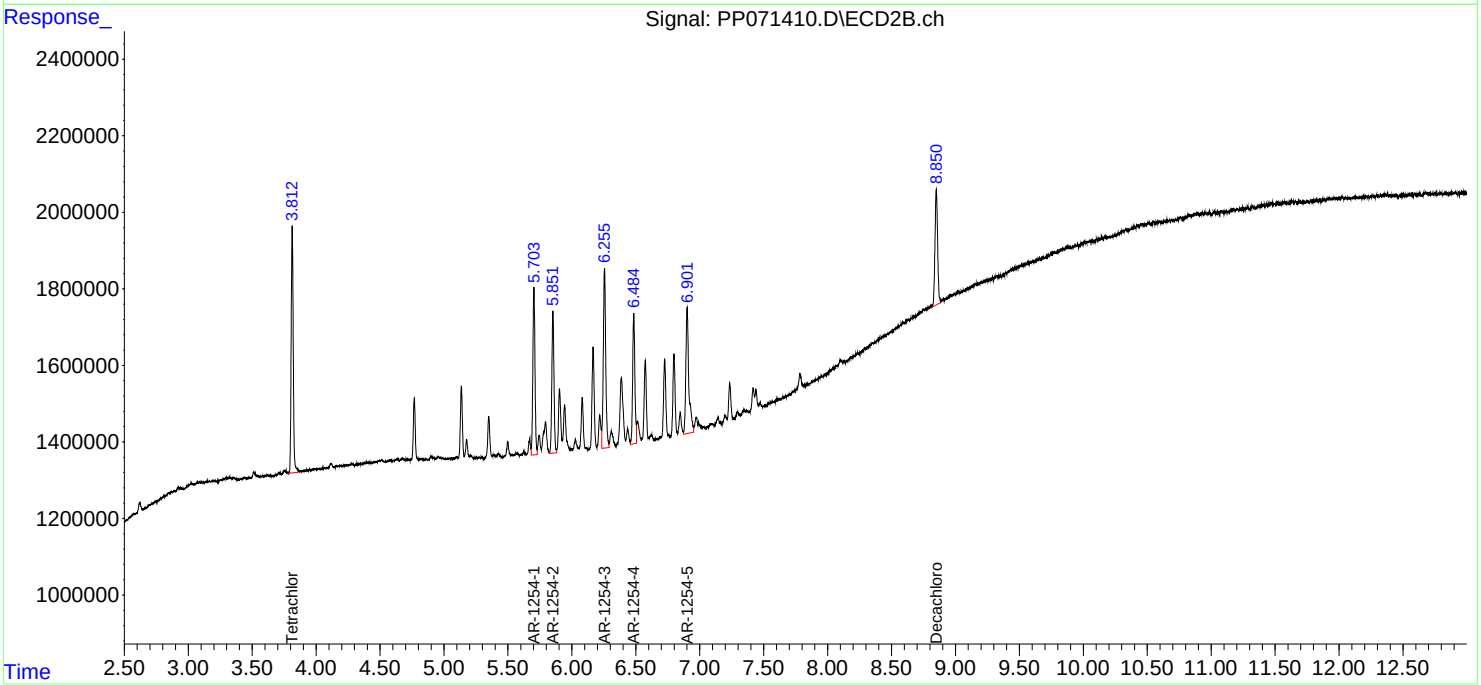
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:11
Operator : YP\AJ
Sample : AR1254ICC50
Misc :
ALS Vial : 24 Sample Multiplier: 1

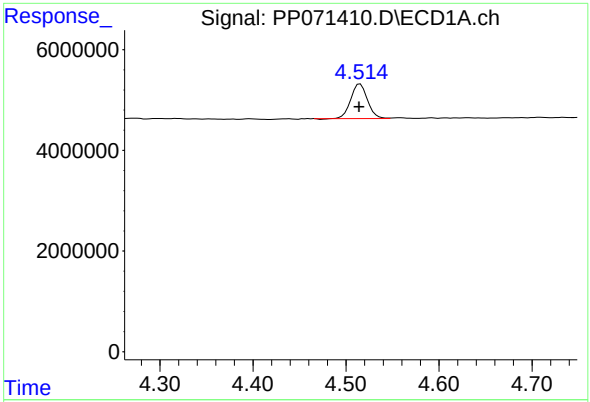
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 22 16:54:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Apr 22 16:54:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



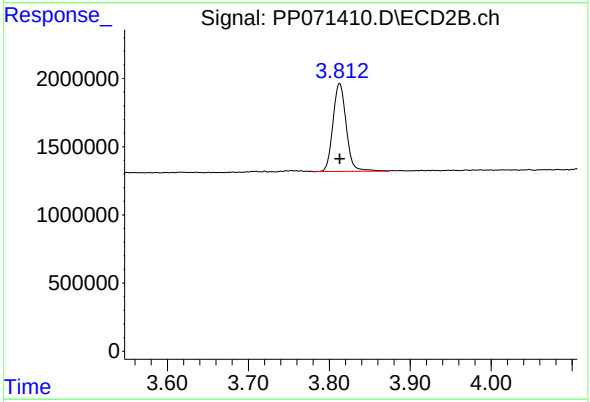




#1 Tetrachloro-m-xylene

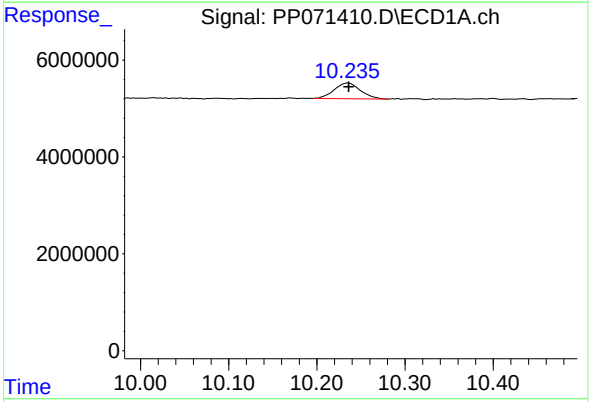
R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 8545760
Conc: 4.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



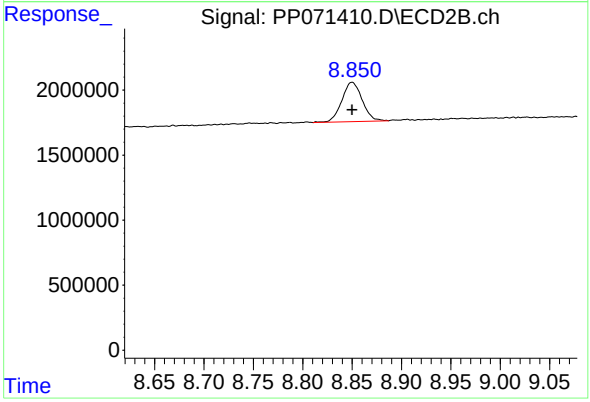
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: 0.000 min
Response: 7342515
Conc: 5.01 ng/ml



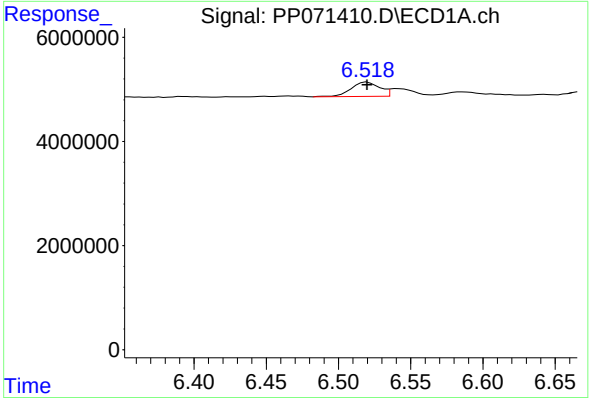
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 6643627
Conc: 4.56 ng/ml



#2 Decachlorobiphenyl

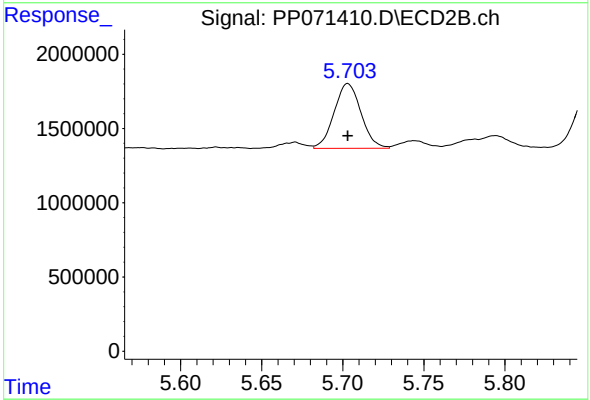
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 4341119
Conc: 4.87 ng/ml



#26 AR-1254-1

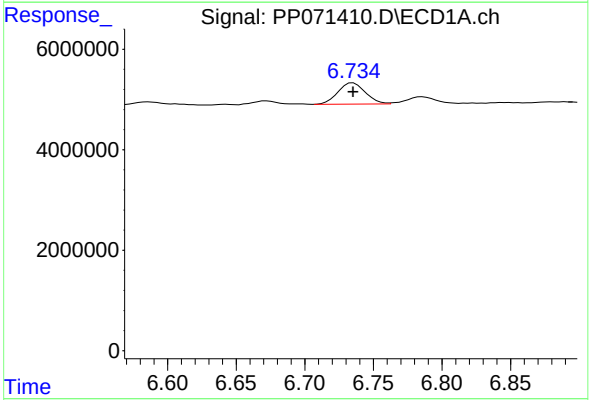
R.T.: 6.520 min
Delta R.T.: 0.000 min
Response: 3787970
Conc: 46.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



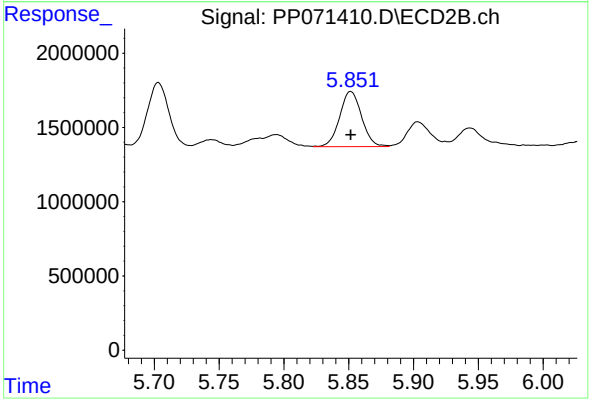
#26 AR-1254-1

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 5045448
Conc: 55.20 ng/ml



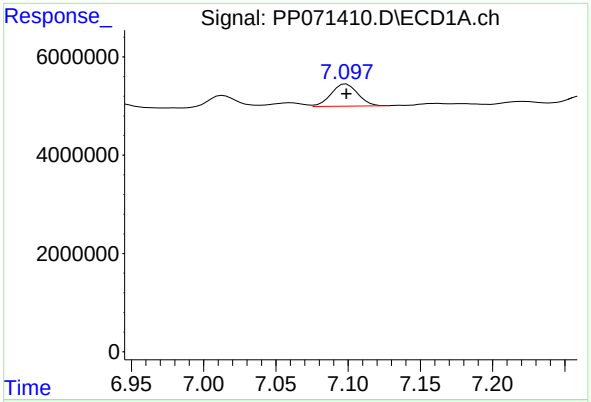
#27 AR-1254-2

R.T.: 6.735 min
Delta R.T.: 0.000 min
Response: 5933913
Conc: 46.70 ng/ml



#27 AR-1254-2

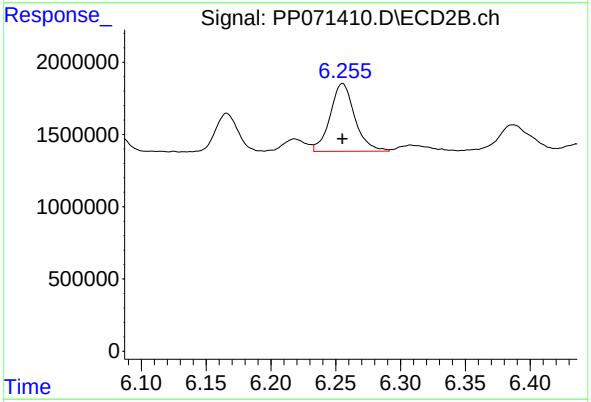
R.T.: 5.852 min
Delta R.T.: 0.000 min
Response: 4378664
Conc: 55.63 ng/ml



#28 AR-1254-3

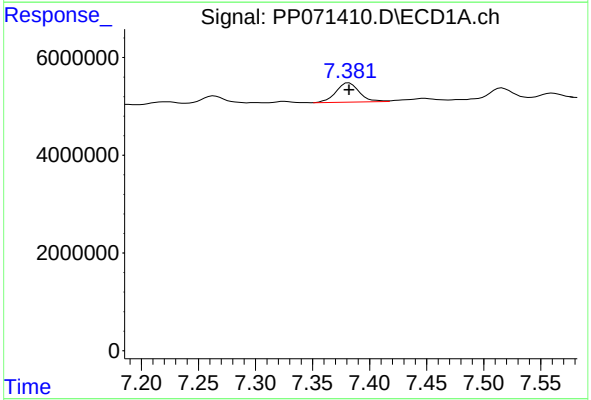
R.T.: 7.099 min
Delta R.T.: 0.000 min
Response: 5851823
Conc: 45.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



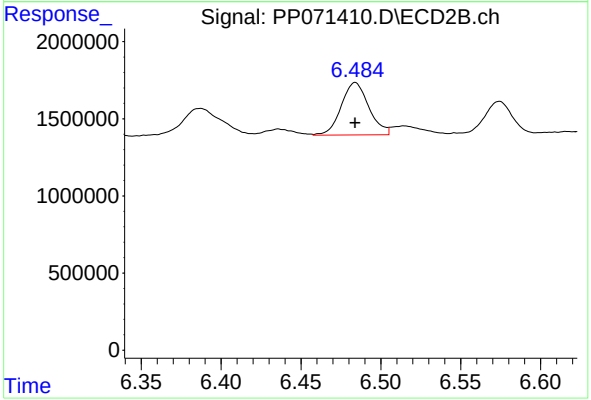
#28 AR-1254-3

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 6211772
Conc: 52.42 ng/ml



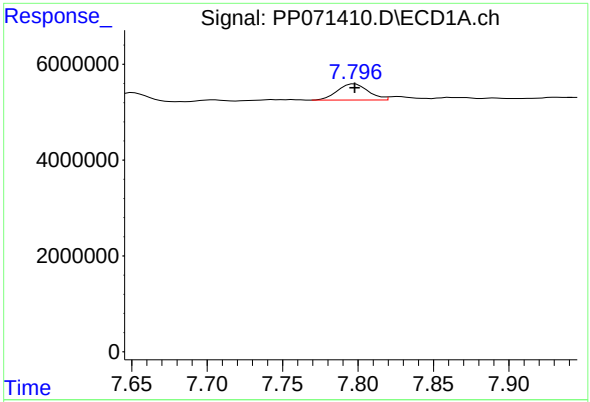
#29 AR-1254-4

R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 5633281
Conc: 47.94 ng/ml



#29 AR-1254-4

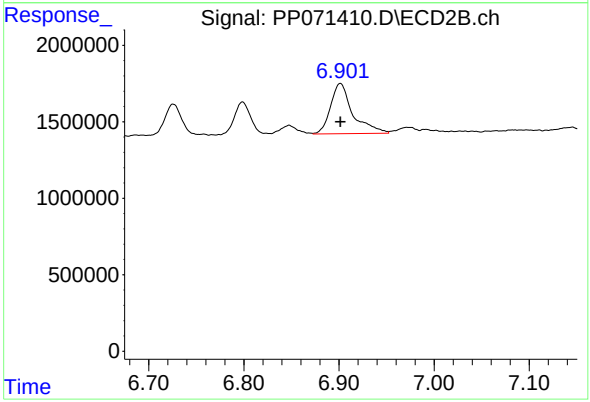
R.T.: 6.484 min
Delta R.T.: 0.000 min
Response: 4095094
Conc: 53.07 ng/ml



#30 AR-1254-5

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 4819584
Conc: 44.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 5346230
Conc: 52.69 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:44
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: Apr 23 02:00:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.812	188.4E6	147.6E6	95.054	100.837
2)	SA Decachlor...	10.235	8.850	248.7E6	149.9E6	93.152	93.528
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	299.6E6	181.5E6	936.979	893.950
42)	L9 AR-1268-2	8.826	7.788	251.1E6	154.8E6	937.116	896.075
43)	L9 AR-1268-3	9.058	7.993	211.9E6	128.5E6	940.656	898.014
44)	L9 AR-1268-4	9.477	8.287	93231632	56964280	941.667	894.788
45)	L9 AR-1268-5	9.894	8.588	590.1E6	367.0E6	950.117	952.869

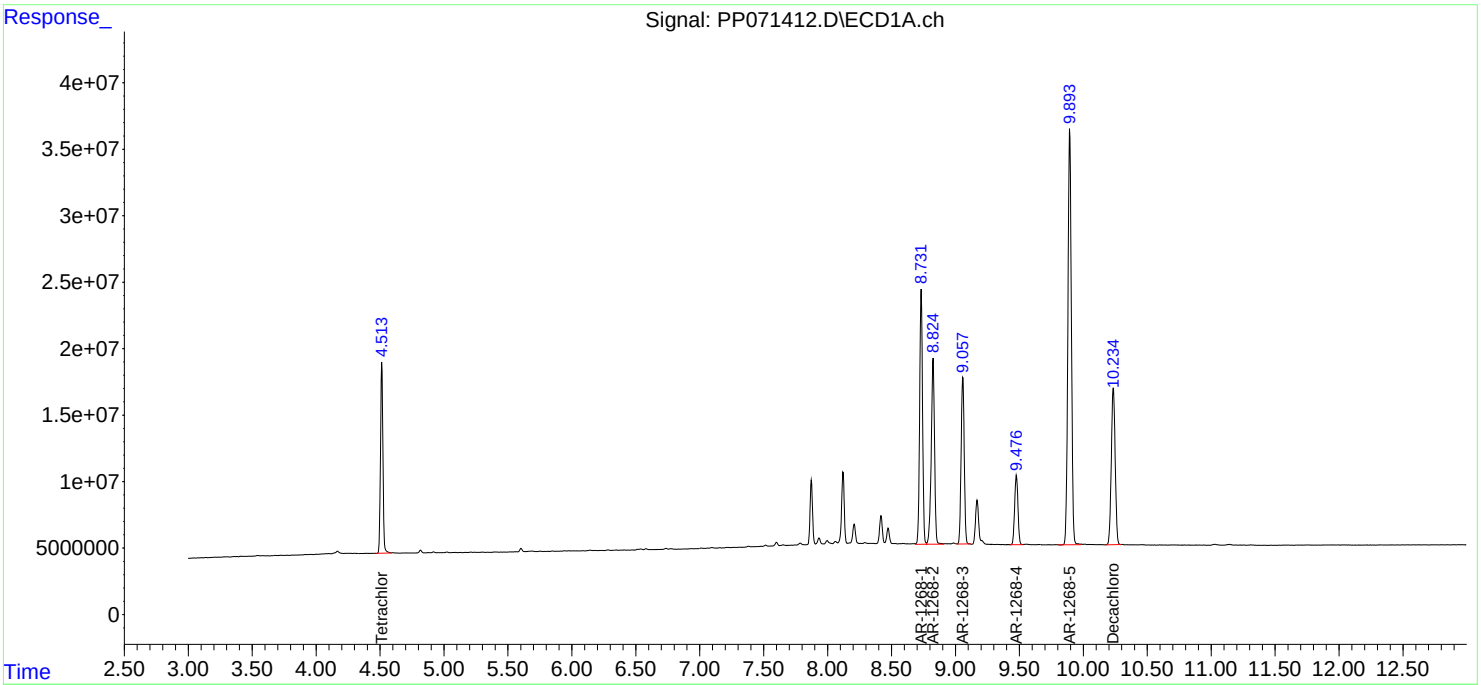
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

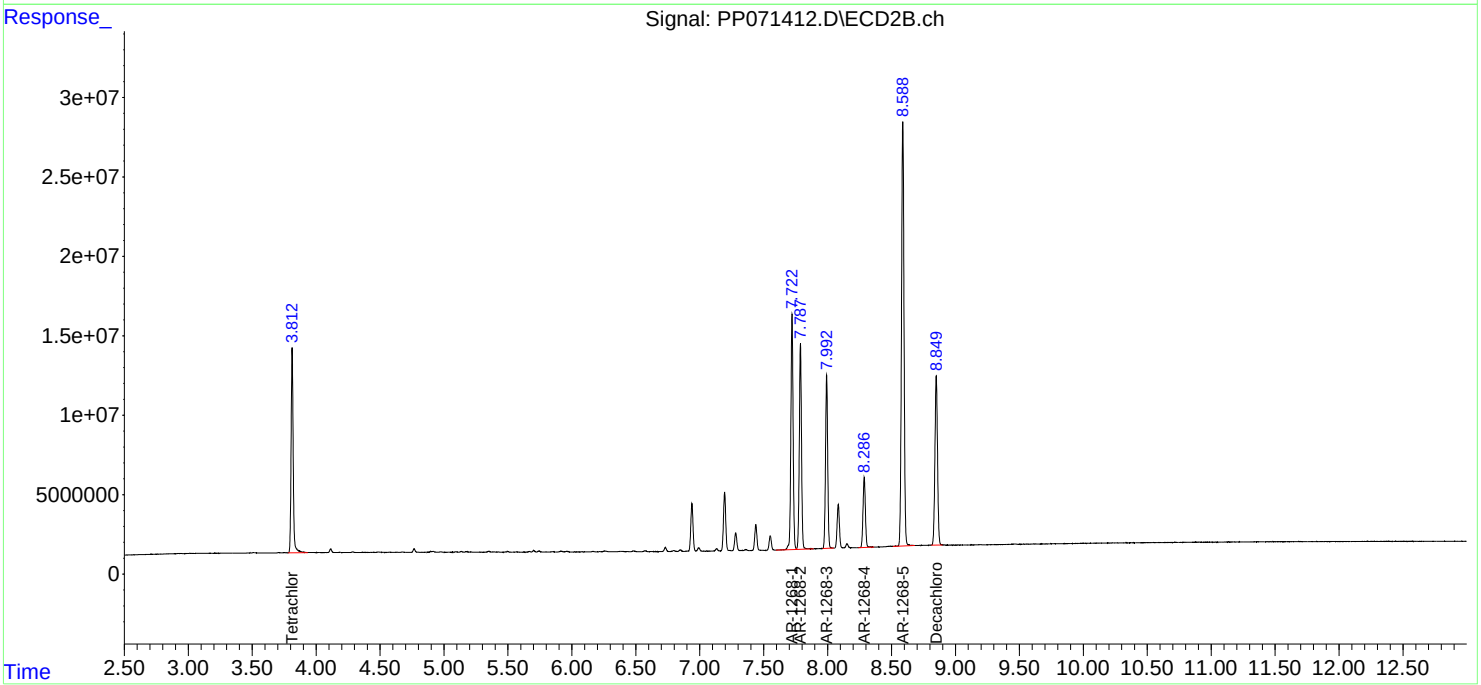
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 16:44
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

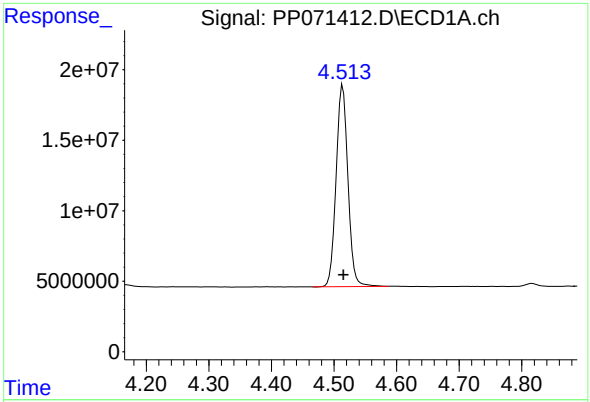
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:00:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



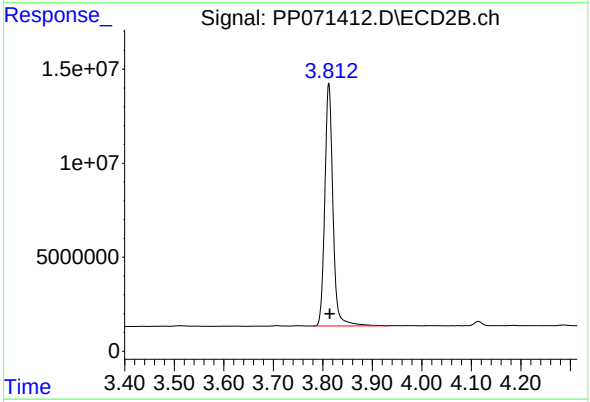




#1 Tetrachloro-m-xylene

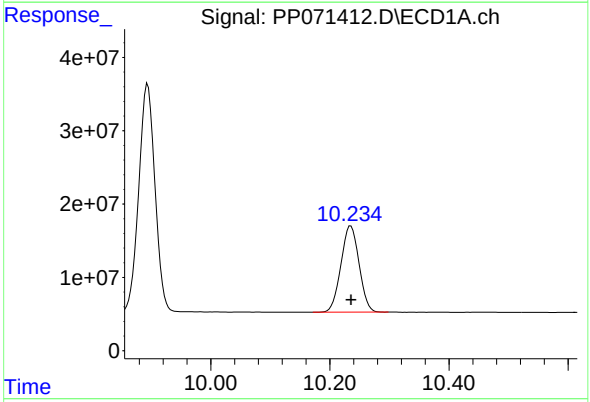
R.T.: 4.514 min
Delta R.T.: -0.001 min
Response: 188397795
Conc: 95.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



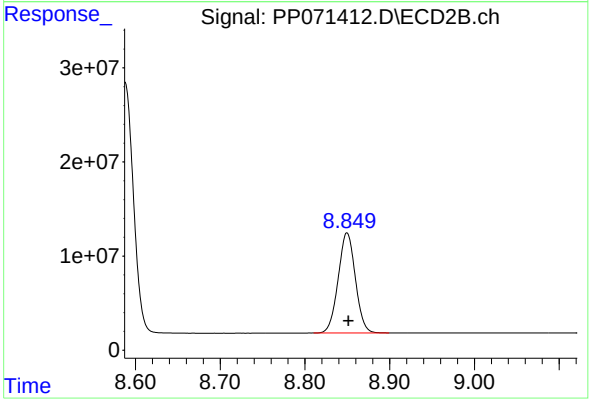
#1 Tetrachloro-m-xylene

R.T.: 3.812 min
Delta R.T.: -0.002 min
Response: 147647099
Conc: 100.84 ng/ml



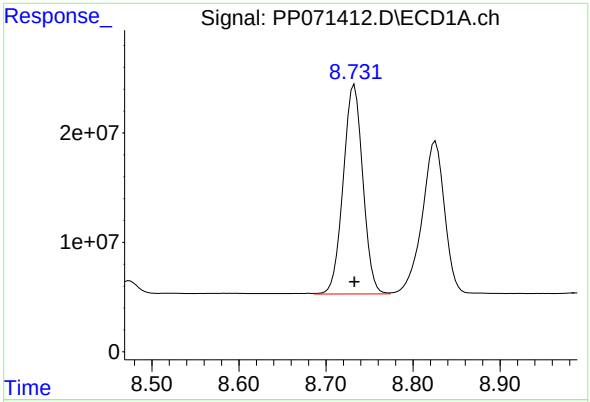
#2 Decachlorobiphenyl

R.T.: 10.235 min
Delta R.T.: 0.000 min
Response: 248662366
Conc: 93.15 ng/ml



#2 Decachlorobiphenyl

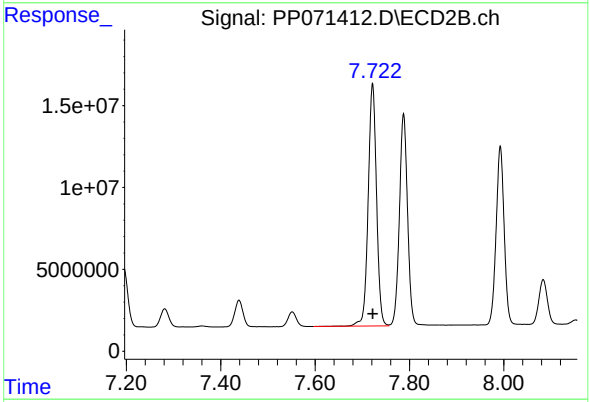
R.T.: 8.850 min
Delta R.T.: -0.001 min
Response: 149905120
Conc: 93.53 ng/ml



#41 AR-1268-1

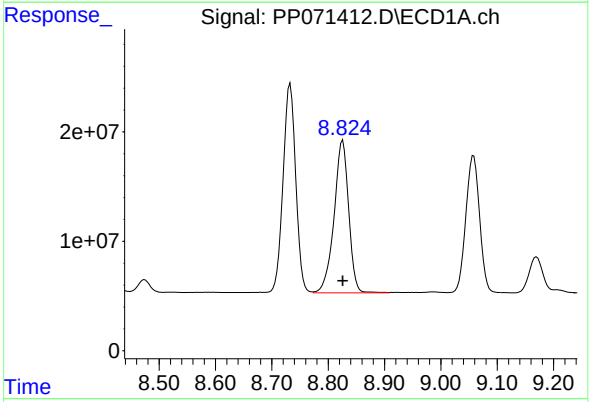
R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 299594266
Conc: 936.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



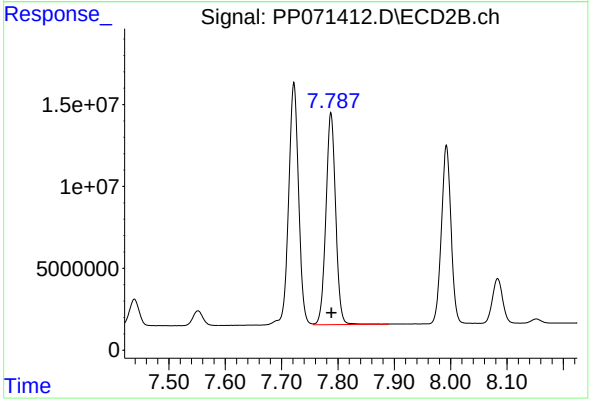
#41 AR-1268-1

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 181460028
Conc: 893.95 ng/ml



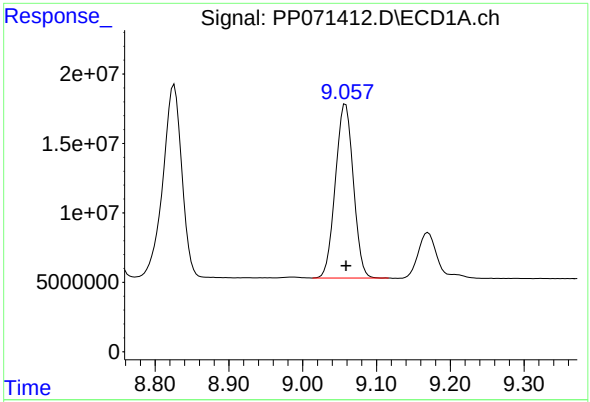
#42 AR-1268-2

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 251109850
Conc: 937.12 ng/ml



#42 AR-1268-2

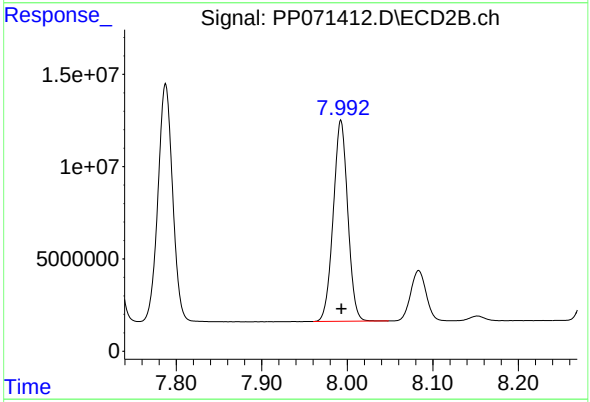
R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 154801411
Conc: 896.07 ng/ml



#43 AR-1268-3

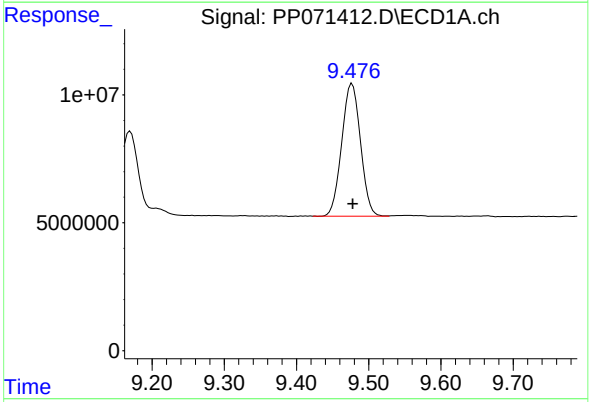
R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 211915080
Conc: 940.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



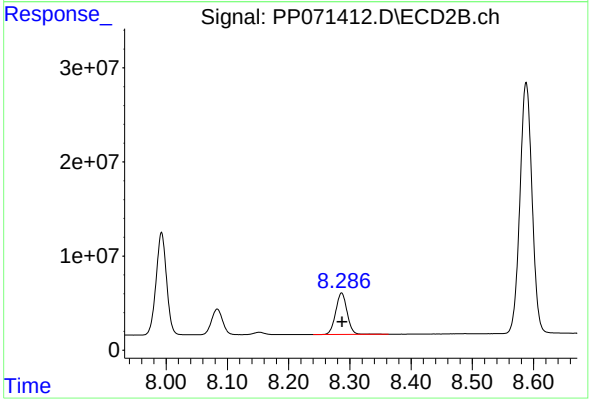
#43 AR-1268-3

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 128491160
Conc: 898.01 ng/ml



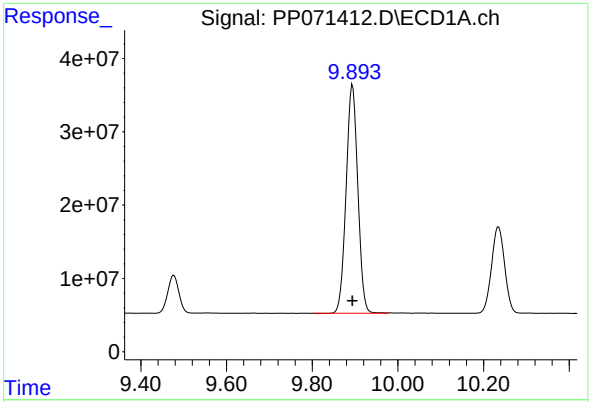
#44 AR-1268-4

R.T.: 9.477 min
Delta R.T.: 0.000 min
Response: 93231632
Conc: 941.67 ng/ml



#44 AR-1268-4

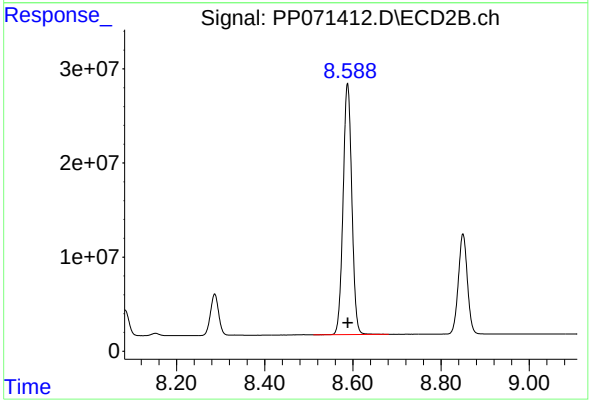
R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 56964280
Conc: 894.79 ng/ml



#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 590082071
Conc: 950.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 367021219
Conc: 952.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:00
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: Apr 23 02:00:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.813	144.9E6	108.4E6	73.091	74.065
2)	SA Decachlor...	10.234	8.849	191.8E6	116.0E6	71.833	72.344
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.721	231.8E6	141.0E6	725.026	694.426
42)	L9 AR-1268-2	8.826	7.787	194.3E6	119.6E6	725.052	692.534
43)	L9 AR-1268-3	9.058	7.991	163.8E6	99816904	726.929	697.612
44)	L9 AR-1268-4	9.476	8.285	72323269	44771879	730.486	703.271
45)	L9 AR-1268-5	9.894	8.587	452.8E6	283.3E6	729.082	735.437

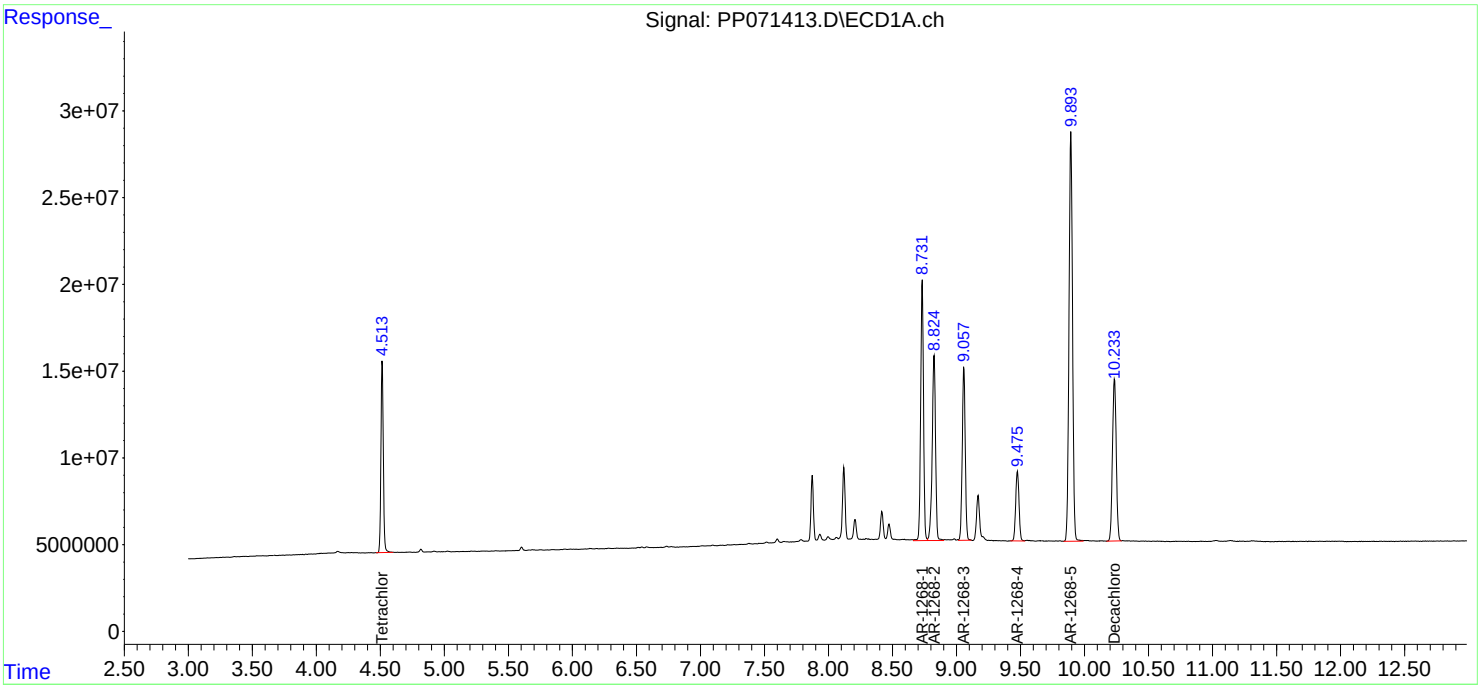
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

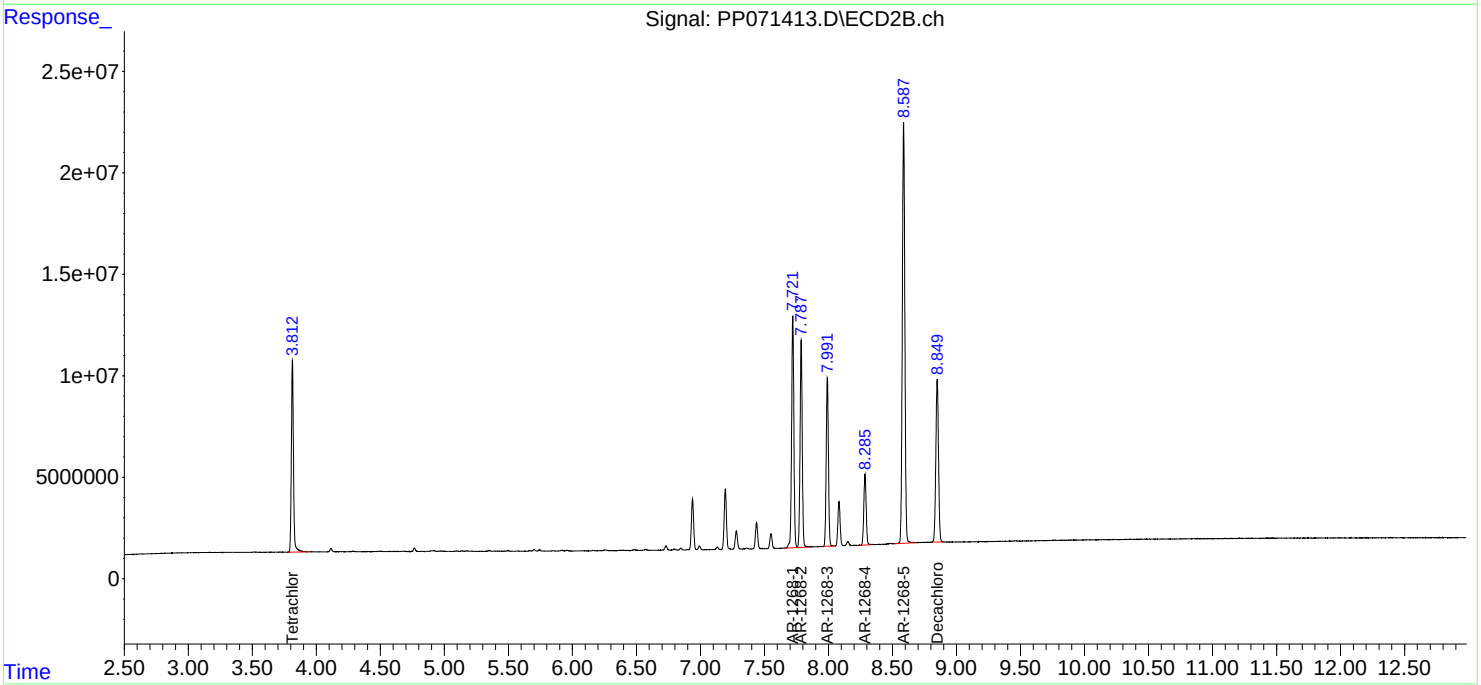
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:00
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

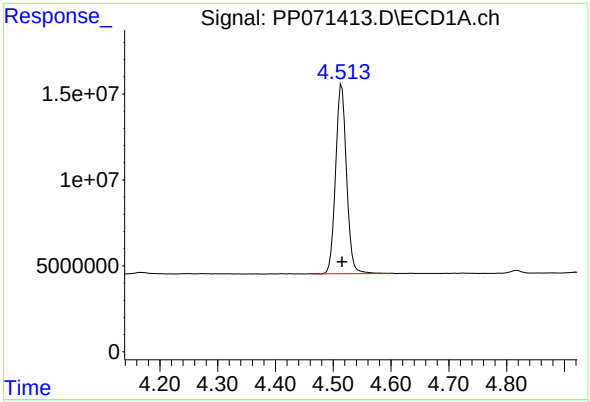
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:00:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



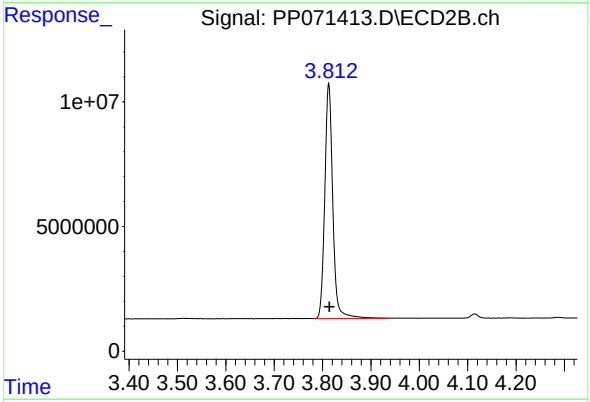




#1 Tetrachloro-m-xylene

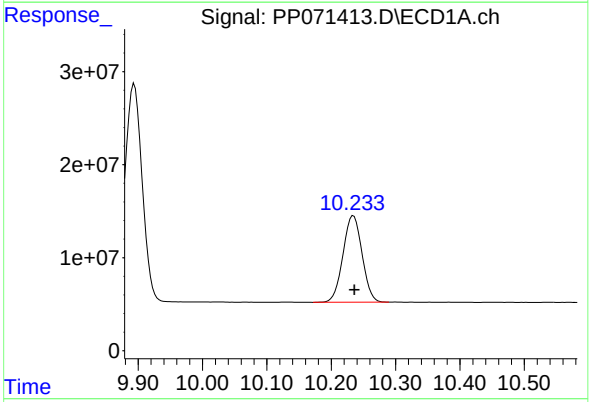
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 144867571
Conc: 73.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



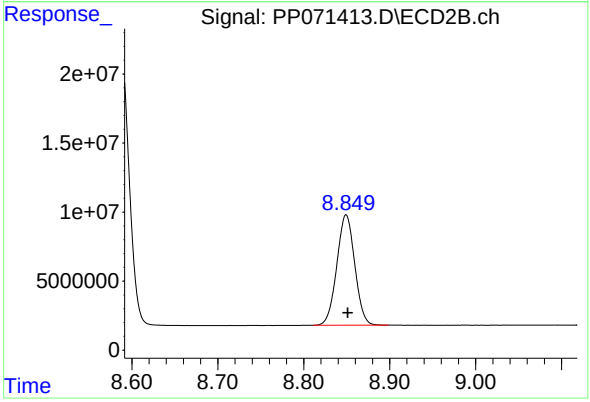
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: -0.001 min
Response: 108446461
Conc: 74.06 ng/ml



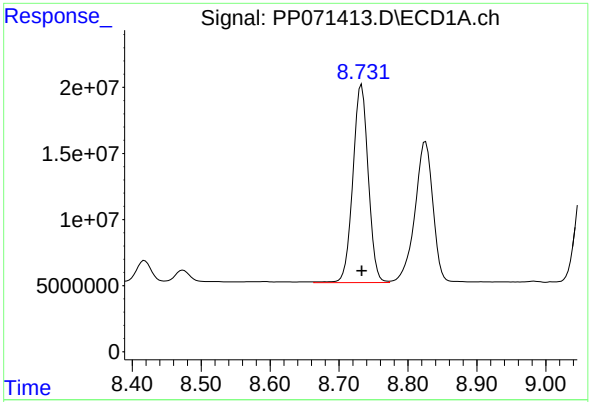
#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: -0.001 min
Response: 191753222
Conc: 71.83 ng/ml



#2 Decachlorobiphenyl

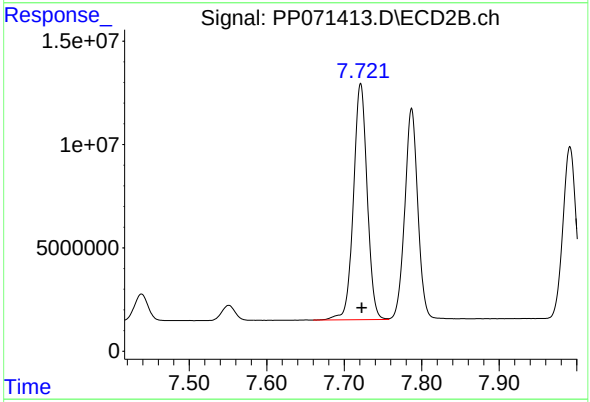
R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 115953007
Conc: 72.34 ng/ml



#41 AR-1268-1

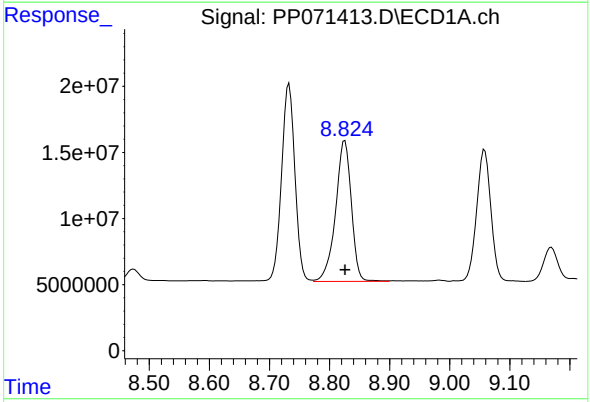
R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 231823386
Conc: 725.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



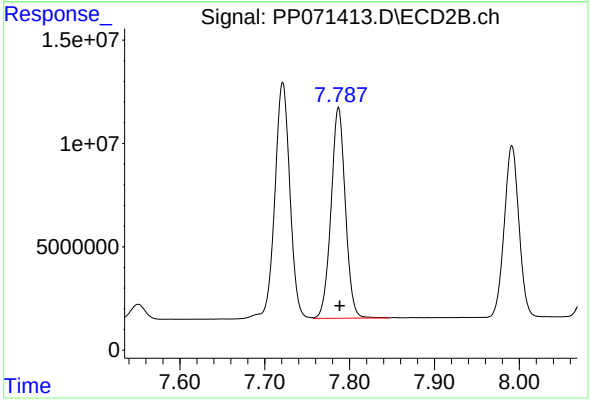
#41 AR-1268-1

R.T.: 7.721 min
Delta R.T.: -0.001 min
Response: 140959338
Conc: 694.43 ng/ml



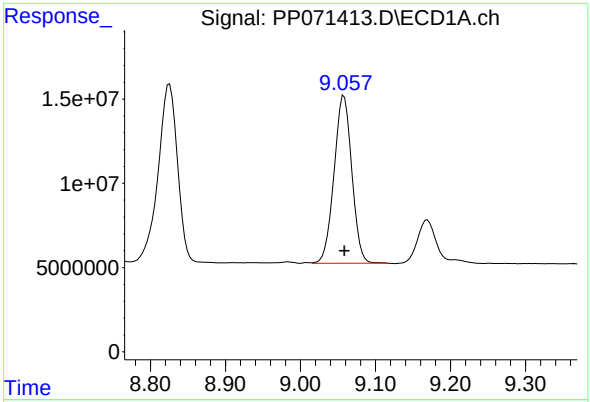
#42 AR-1268-2

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 194285253
Conc: 725.05 ng/ml



#42 AR-1268-2

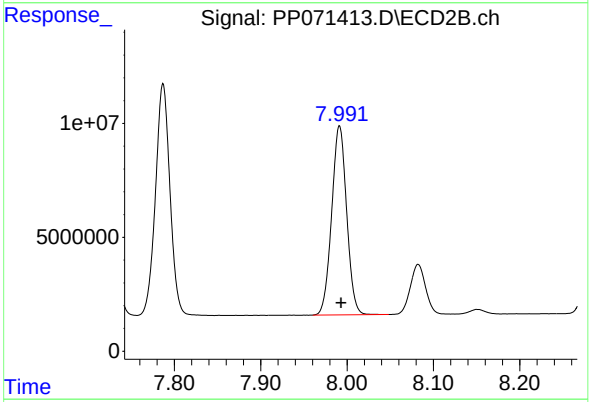
R.T.: 7.787 min
Delta R.T.: -0.001 min
Response: 119638783
Conc: 692.53 ng/ml



#43 AR-1268-3

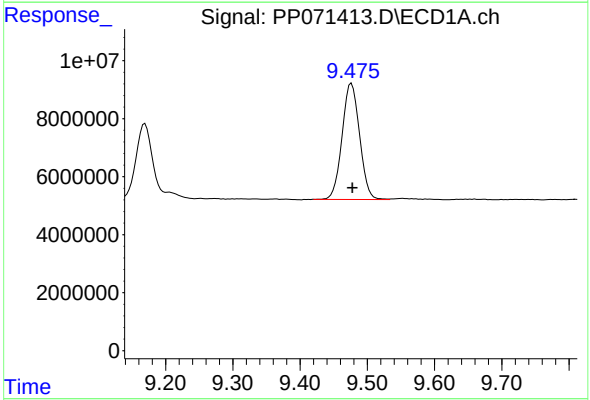
R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 163765585
Conc: 726.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



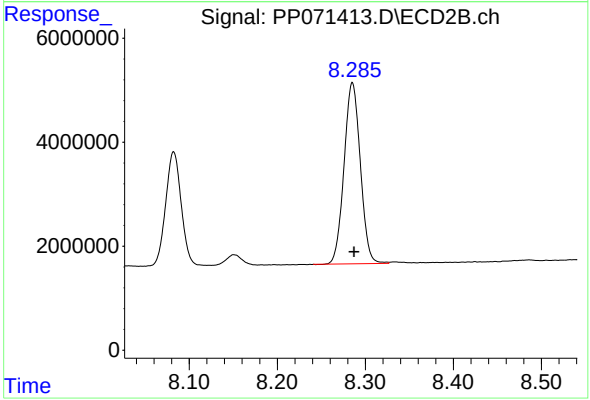
#43 AR-1268-3

R.T.: 7.991 min
Delta R.T.: -0.002 min
Response: 99816904
Conc: 697.61 ng/ml



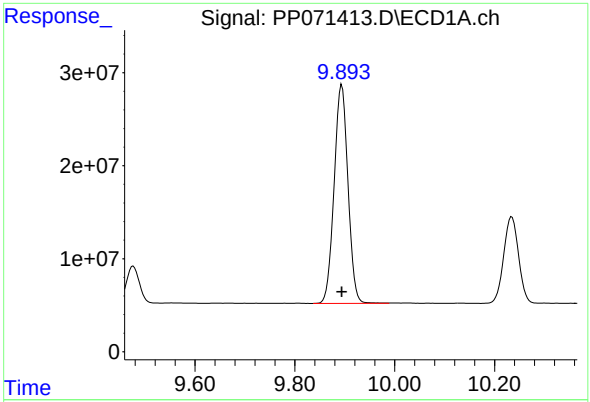
#44 AR-1268-4

R.T.: 9.476 min
Delta R.T.: -0.002 min
Response: 72323269
Conc: 730.49 ng/ml



#44 AR-1268-4

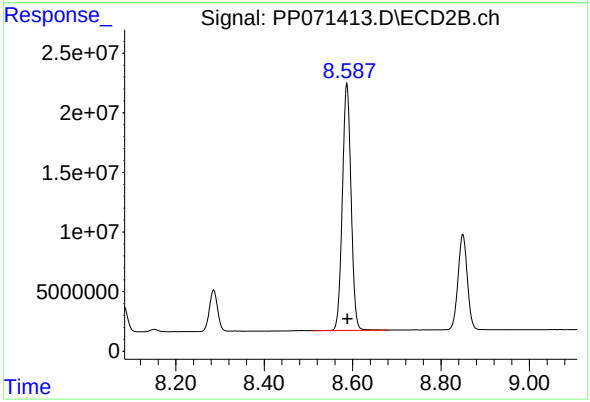
R.T.: 8.285 min
Delta R.T.: -0.002 min
Response: 44771879
Conc: 703.27 ng/ml



#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 452805185
Conc: 729.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

R.T.: 8.587 min
Delta R.T.: -0.002 min
Response: 283271897
Conc: 735.44 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:16
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: Apr 23 02:00:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.515	3.814	99100413	73210719	50.000	50.000
2)	SA Decachlor...	10.236	8.851	133.5E6	80139523	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	159.9E6	101.5E6	500.000	500.000
42)	L9 AR-1268-2	8.826	7.788	134.0E6	86377504	500.000	500.000
43)	L9 AR-1268-3	9.059	7.993	112.6E6	71541846	500.000	500.000
44)	L9 AR-1268-4	9.478	8.287	49503520	31760699	500.000	498.893
45)	L9 AR-1268-5	9.894	8.589	310.5E6	192.6E6	500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

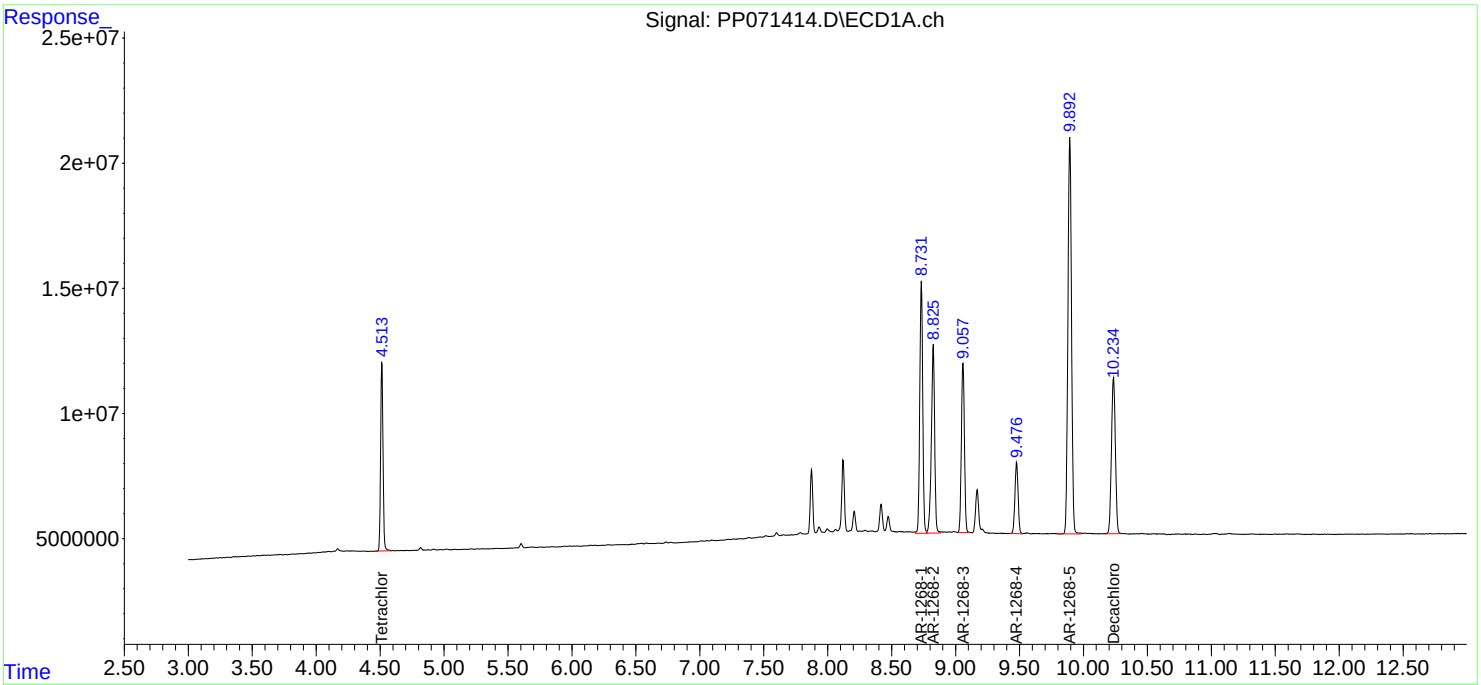
Quantitation Report (Not Reviewed)

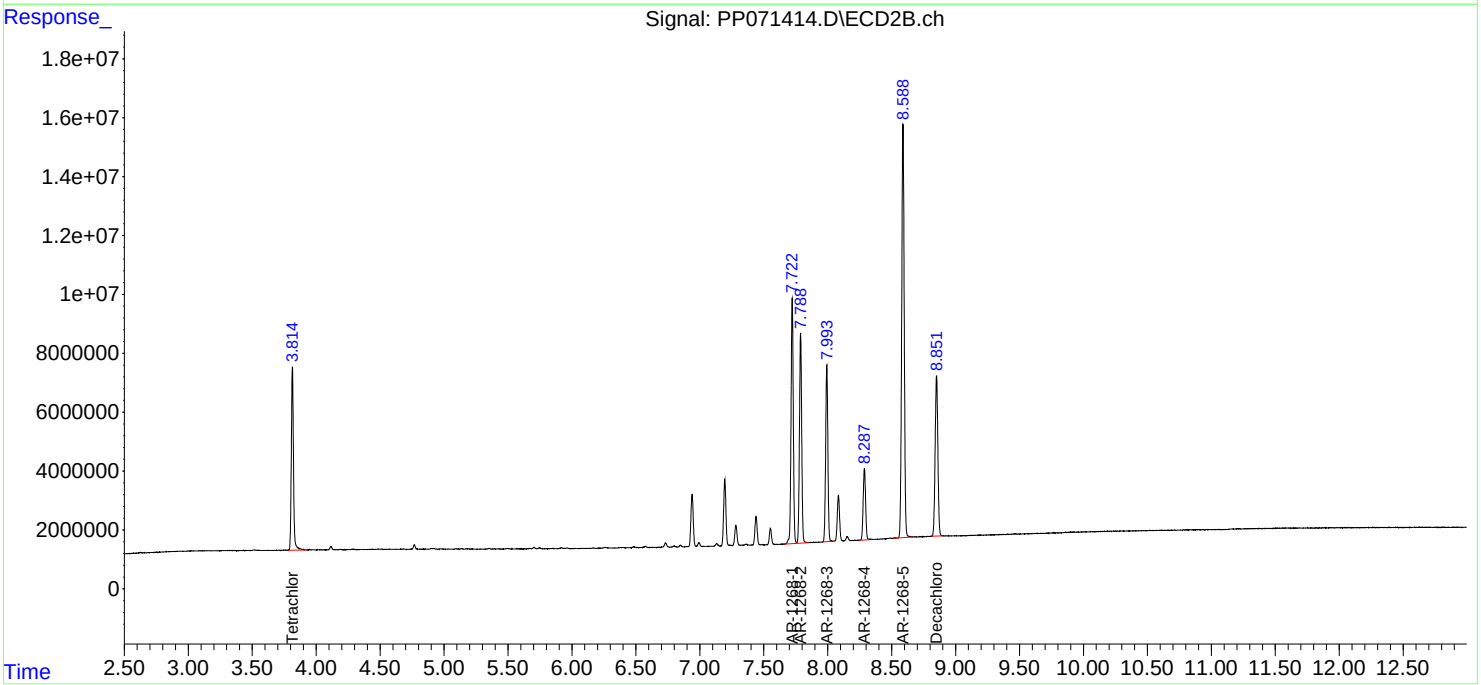
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:16
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

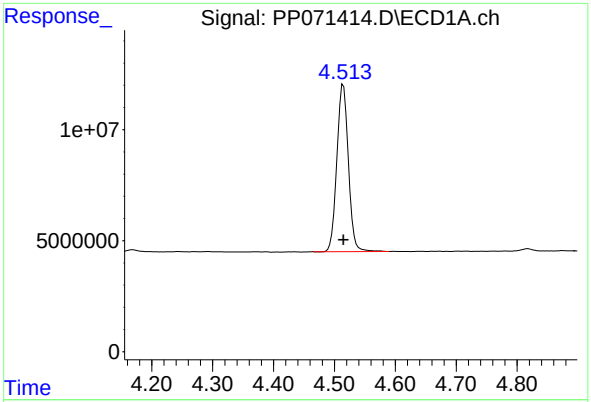
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:00:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



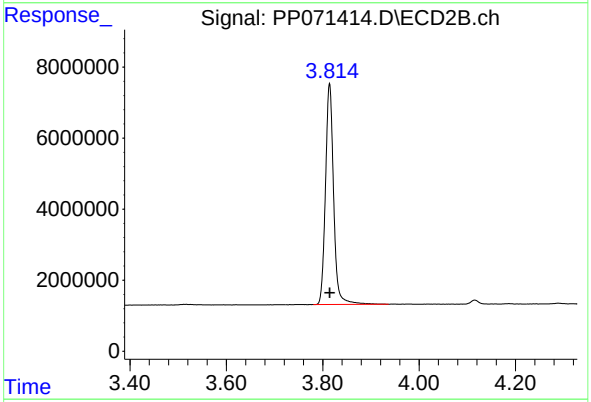




#1 Tetrachloro-m-xylene

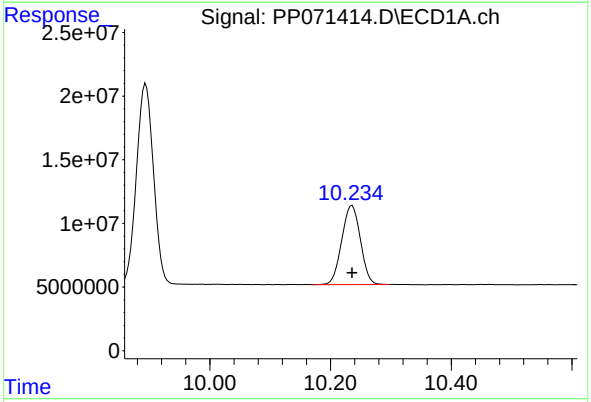
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 99100413
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



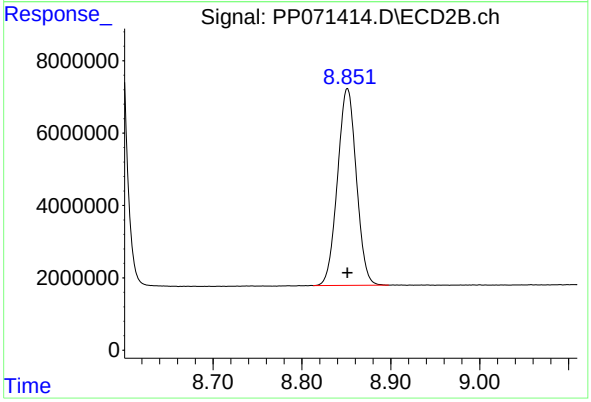
#1 Tetrachloro-m-xylene

R.T.: 3.814 min
Delta R.T.: 0.000 min
Response: 73210719
Conc: 50.00 ng/ml



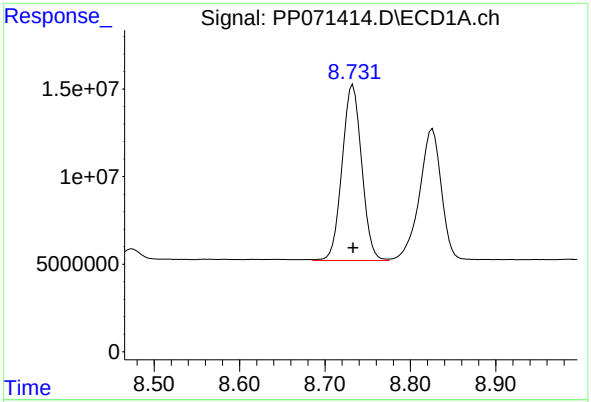
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 133470748
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

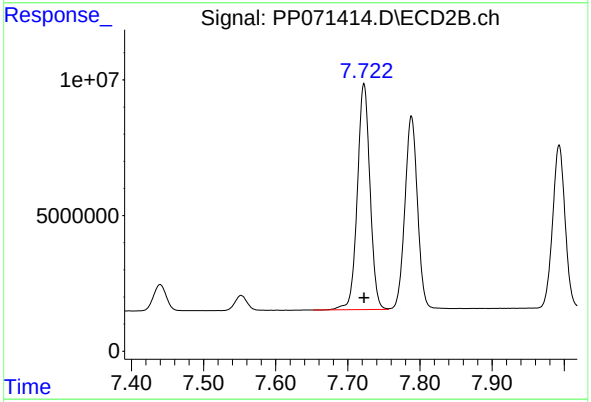
R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 80139523
Conc: 50.00 ng/ml



#41 AR-1268-1

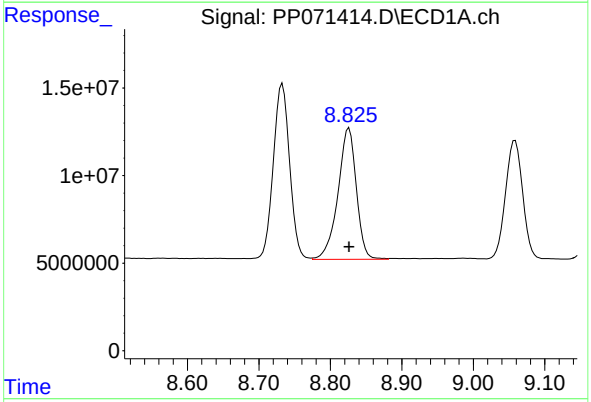
R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 159872402
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



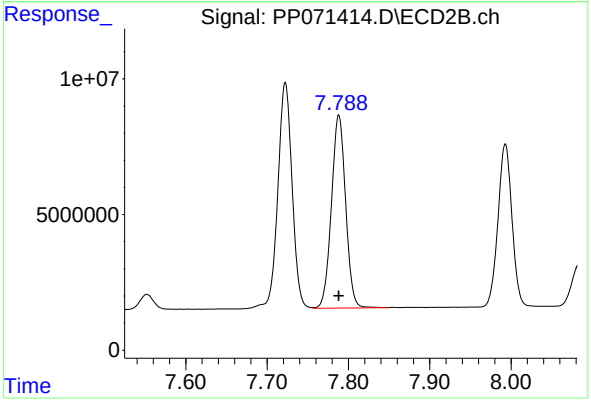
#41 AR-1268-1

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 101493352
Conc: 500.00 ng/ml



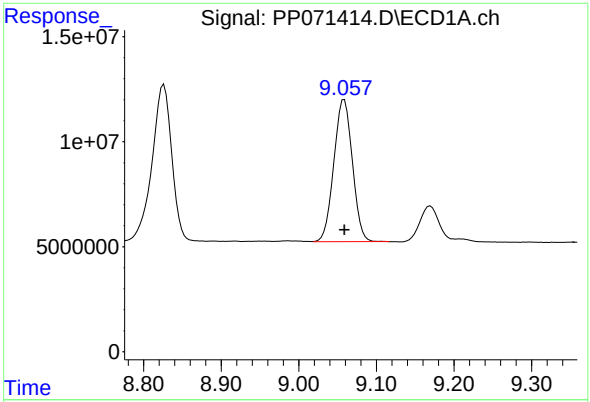
#42 AR-1268-2

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 133980177
Conc: 500.00 ng/ml



#42 AR-1268-2

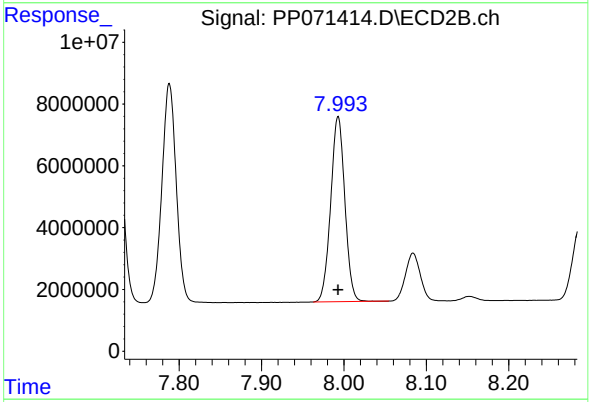
R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 86377504
Conc: 500.00 ng/ml



#43 AR-1268-3

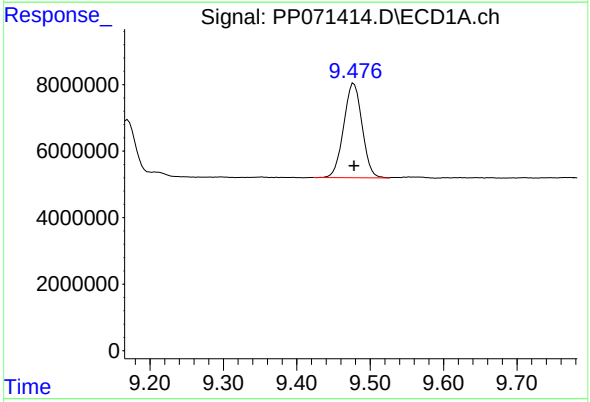
R.T.: 9.059 min
Delta R.T.: 0.000 min
Response: 112642140
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



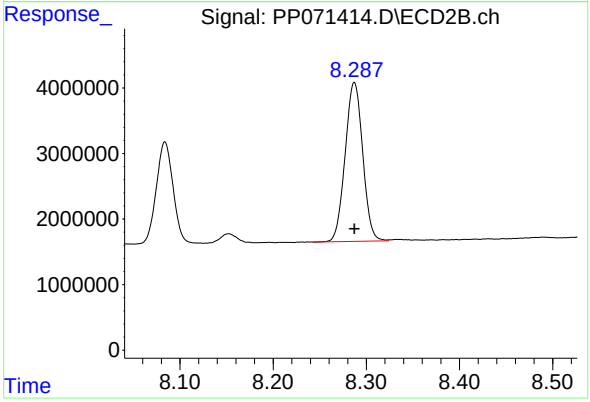
#43 AR-1268-3

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 71541846
Conc: 500.00 ng/ml



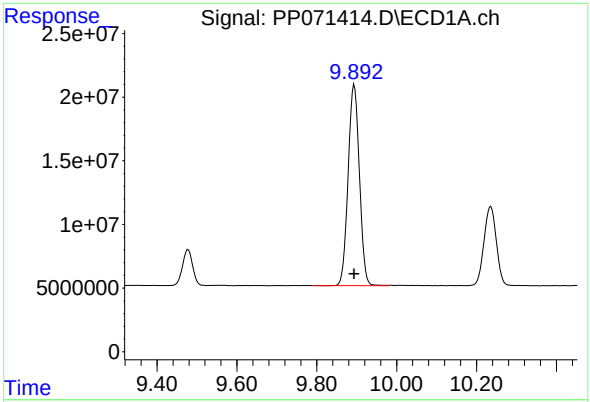
#44 AR-1268-4

R.T.: 9.478 min
Delta R.T.: 0.000 min
Response: 49503520
Conc: 500.00 ng/ml



#44 AR-1268-4

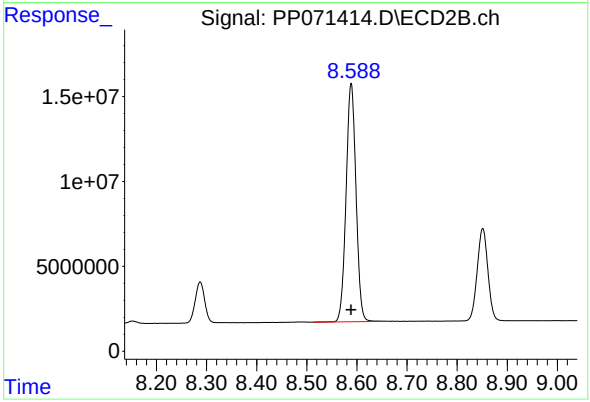
R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 31760699
Conc: 498.89 ng/ml



#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 310531224
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.589 min
Delta R.T.: 0.000 min
Response: 192587534
Conc: 500.00 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:33
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: Apr 23 02:00:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.517	3.813	50174786	36443440	25.315	24.889
2)	SA Decachlor...	10.236	8.850	67366681	41318494	25.236	25.779
	Target Compounds						
41)	L9 AR-1268-1	8.735	7.722	82956522	51112125	259.446	251.800
42)	L9 AR-1268-2	8.828	7.788	68964227	43318102	257.367	250.749
43)	L9 AR-1268-3	9.061	7.991	57876424	36193296	256.904	252.952
44)	L9 AR-1268-4	9.480	8.286	24514996	16044448	247.609	252.024
45)	L9 AR-1268-5	9.897	8.587	157.8E6	96869753	254.135	251.495

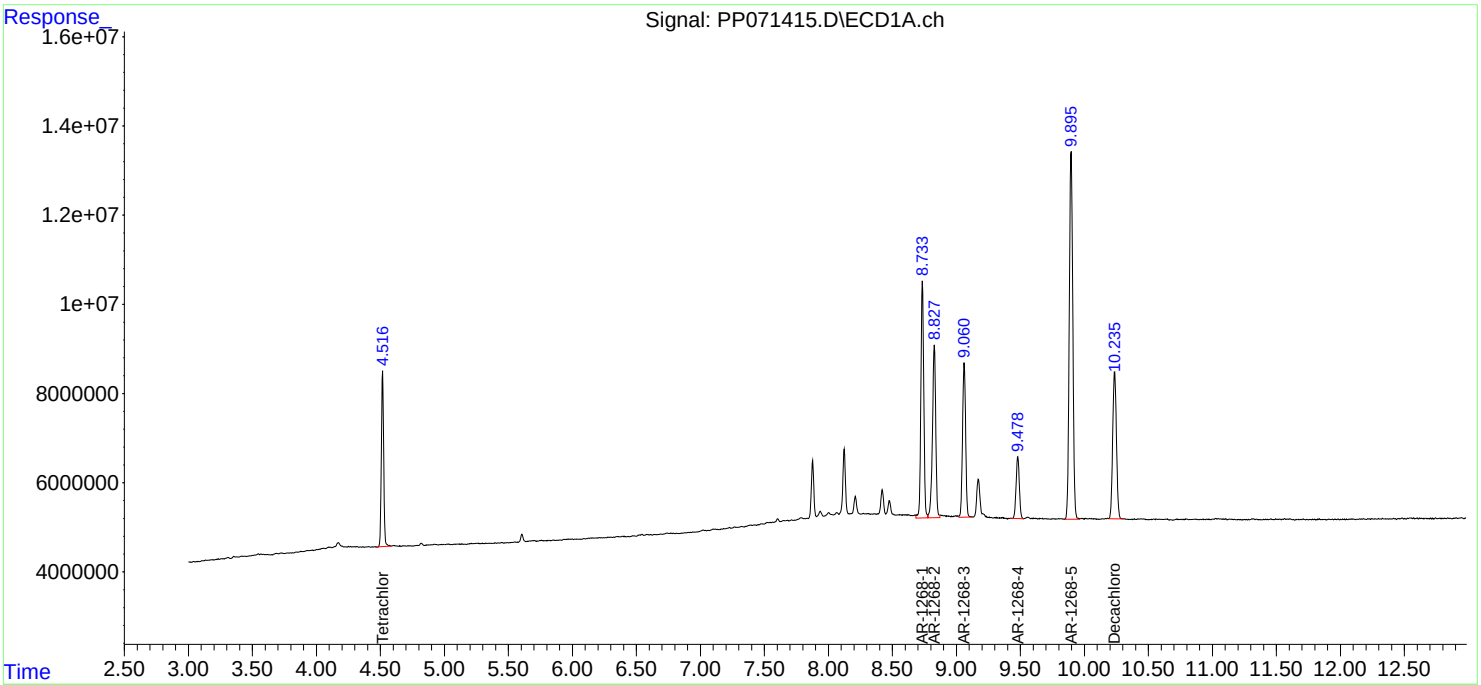
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

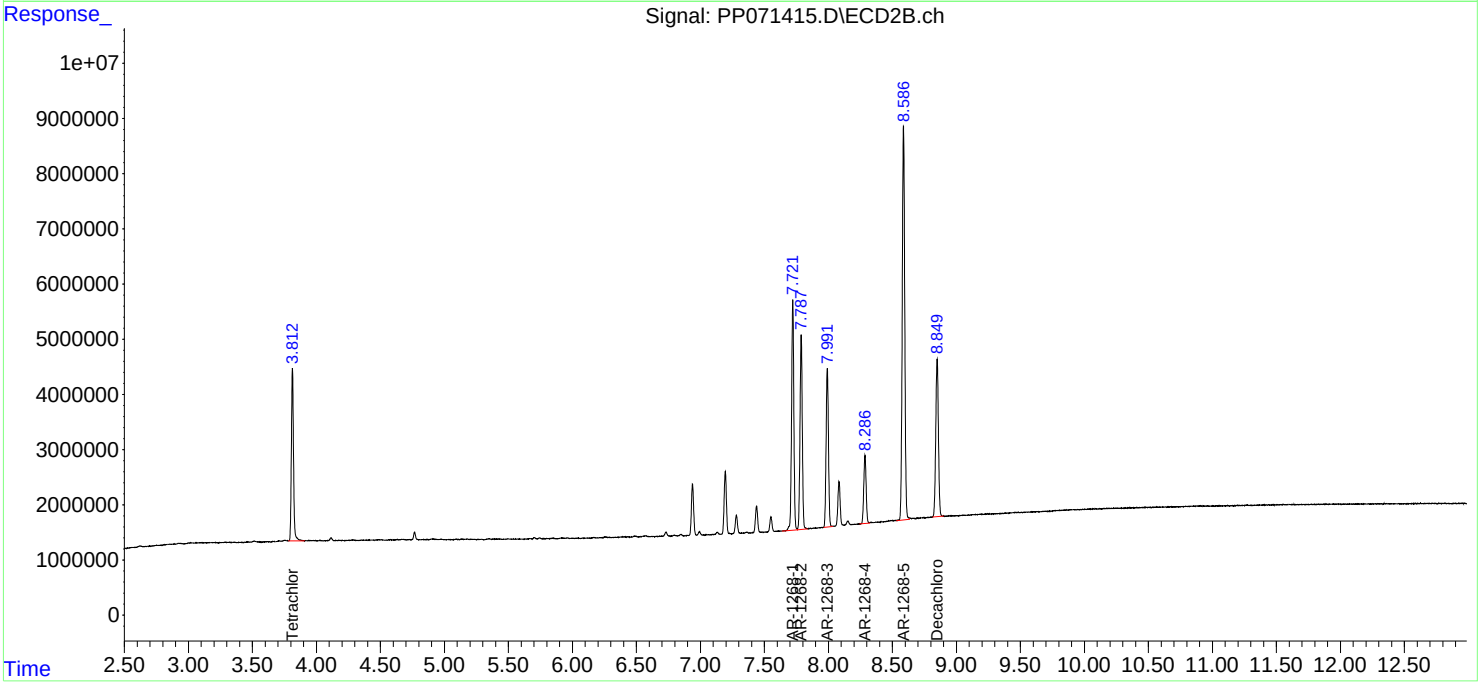
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:33
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

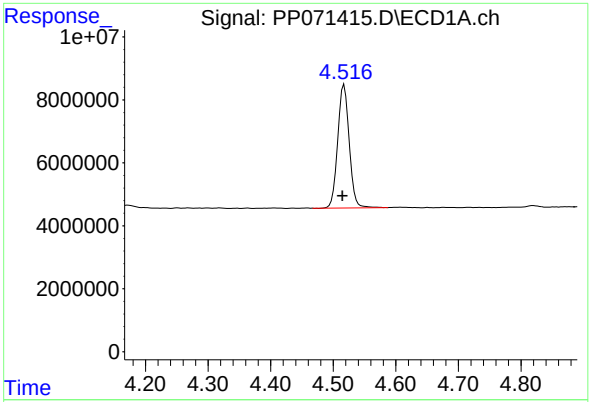
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:00:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



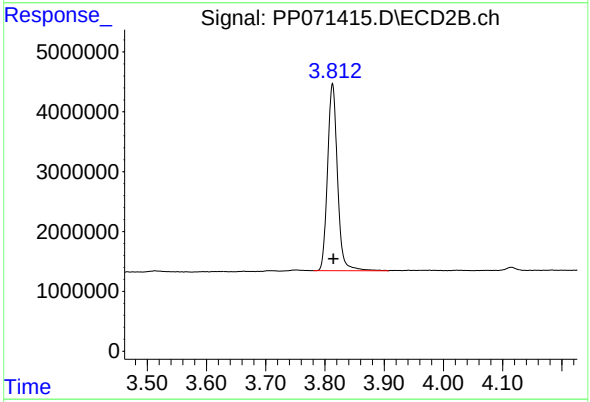




#1 Tetrachloro-m-xylene

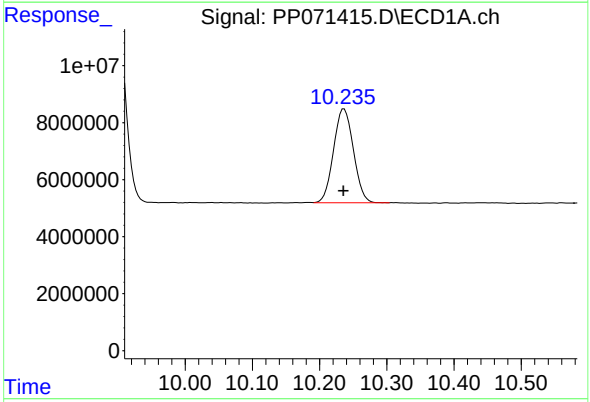
R.T.: 4.517 min
Delta R.T.: 0.002 min
Response: 50174786
Conc: 25.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



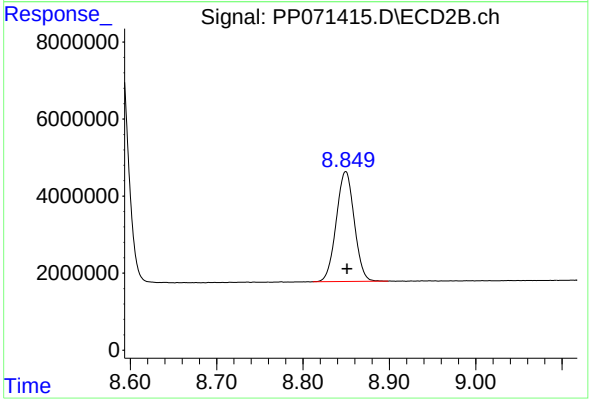
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: -0.001 min
Response: 36443440
Conc: 24.89 ng/ml



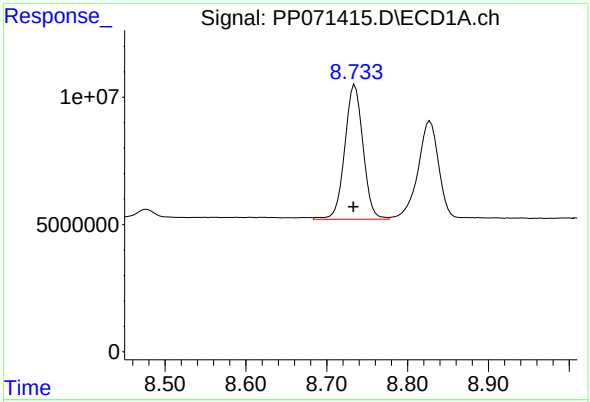
#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 67366681
Conc: 25.24 ng/ml



#2 Decachlorobiphenyl

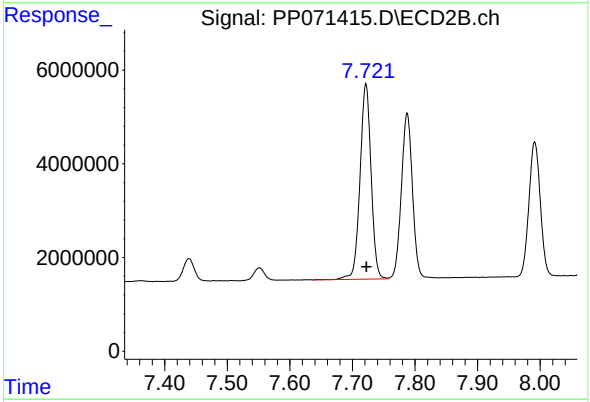
R.T.: 8.850 min
Delta R.T.: -0.002 min
Response: 41318494
Conc: 25.78 ng/ml



#41 AR-1268-1

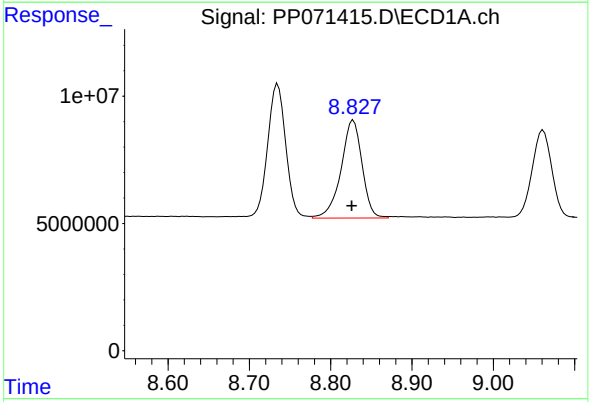
R.T.: 8.735 min
Delta R.T.: 0.002 min
Response: 82956522
Conc: 259.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



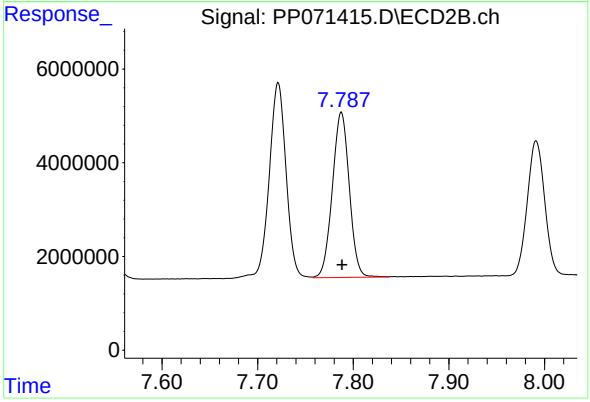
#41 AR-1268-1

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 51112125
Conc: 251.80 ng/ml



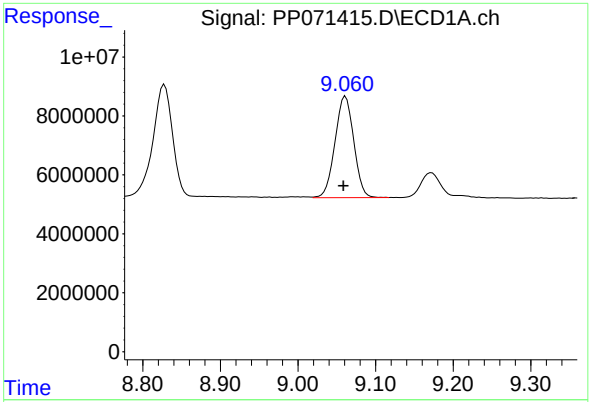
#42 AR-1268-2

R.T.: 8.828 min
Delta R.T.: 0.002 min
Response: 68964227
Conc: 257.37 ng/ml



#42 AR-1268-2

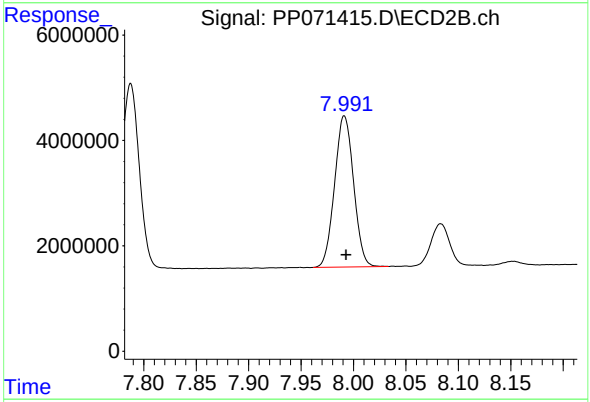
R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 43318102
Conc: 250.75 ng/ml



#43 AR-1268-3

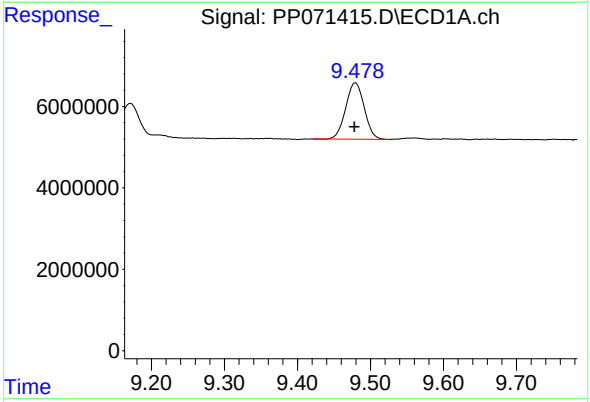
R.T.: 9.061 min
Delta R.T.: 0.003 min
Response: 57876424
Conc: 256.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



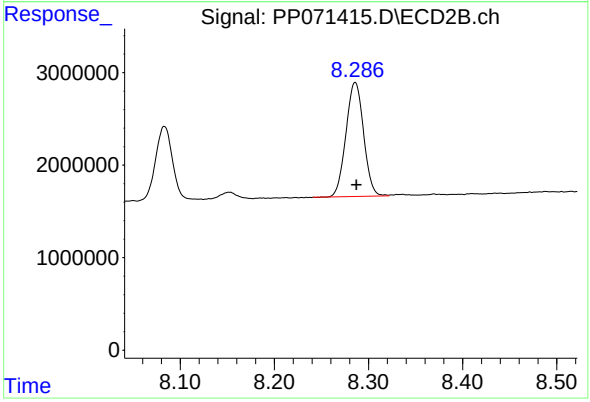
#43 AR-1268-3

R.T.: 7.991 min
Delta R.T.: -0.002 min
Response: 36193296
Conc: 252.95 ng/ml



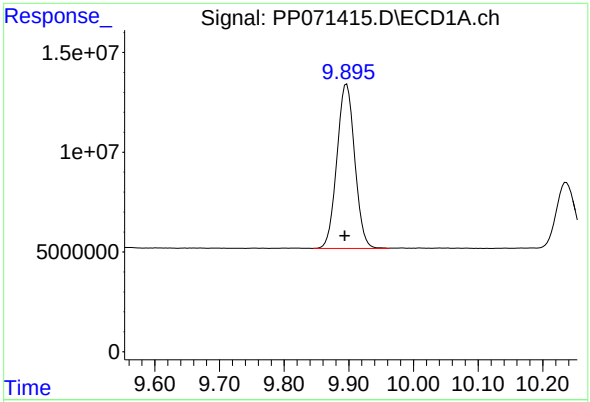
#44 AR-1268-4

R.T.: 9.480 min
Delta R.T.: 0.002 min
Response: 24514996
Conc: 247.61 ng/ml



#44 AR-1268-4

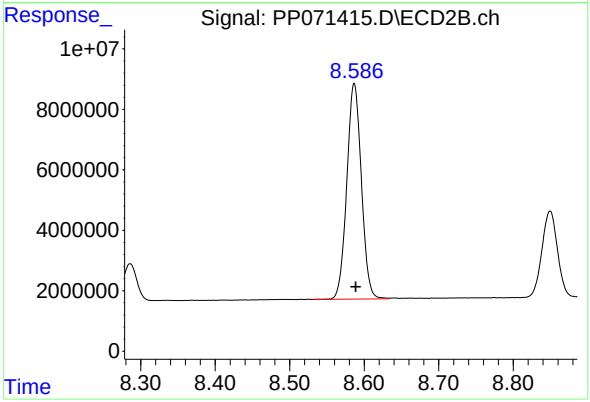
R.T.: 8.286 min
Delta R.T.: -0.001 min
Response: 16044448
Conc: 252.02 ng/ml



#45 AR-1268-5

R.T.: 9.897 min
Delta R.T.: 0.003 min
Response: 157833758
Conc: 254.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.587 min
Delta R.T.: -0.002 min
Response: 96869753
Conc: 251.50 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:49
Operator : YP\AJ
Sample : AR1268ICC50
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: Apr 23 02:01:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.514	3.813	7954830	6504410	4.014	4.442
2)	SA Decachlor...	10.235	8.850	11316360	7324768	4.239	4.570
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	16683982	10087094	52.179	49.693
42)	L9 AR-1268-2	8.826	7.787	13400358	8528068	50.009	49.365
43)	L9 AR-1268-3	9.058	7.992	10823544	6773456	48.044	47.339
44)	L9 AR-1268-4	9.476	8.287	4136815	2789666	41.783	43.820
45)	L9 AR-1268-5	9.894	8.588	26835395	17143092	43.209	44.507

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

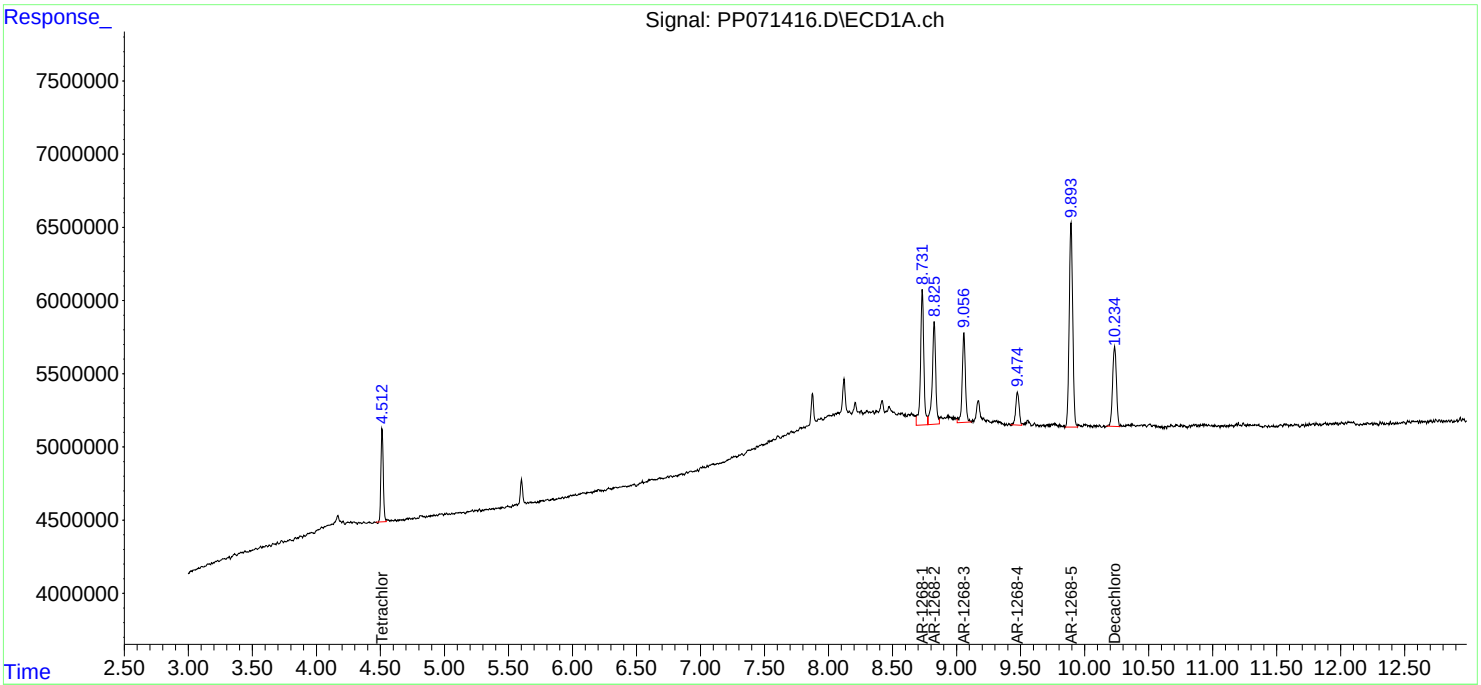
Quantitation Report (Not Reviewed)

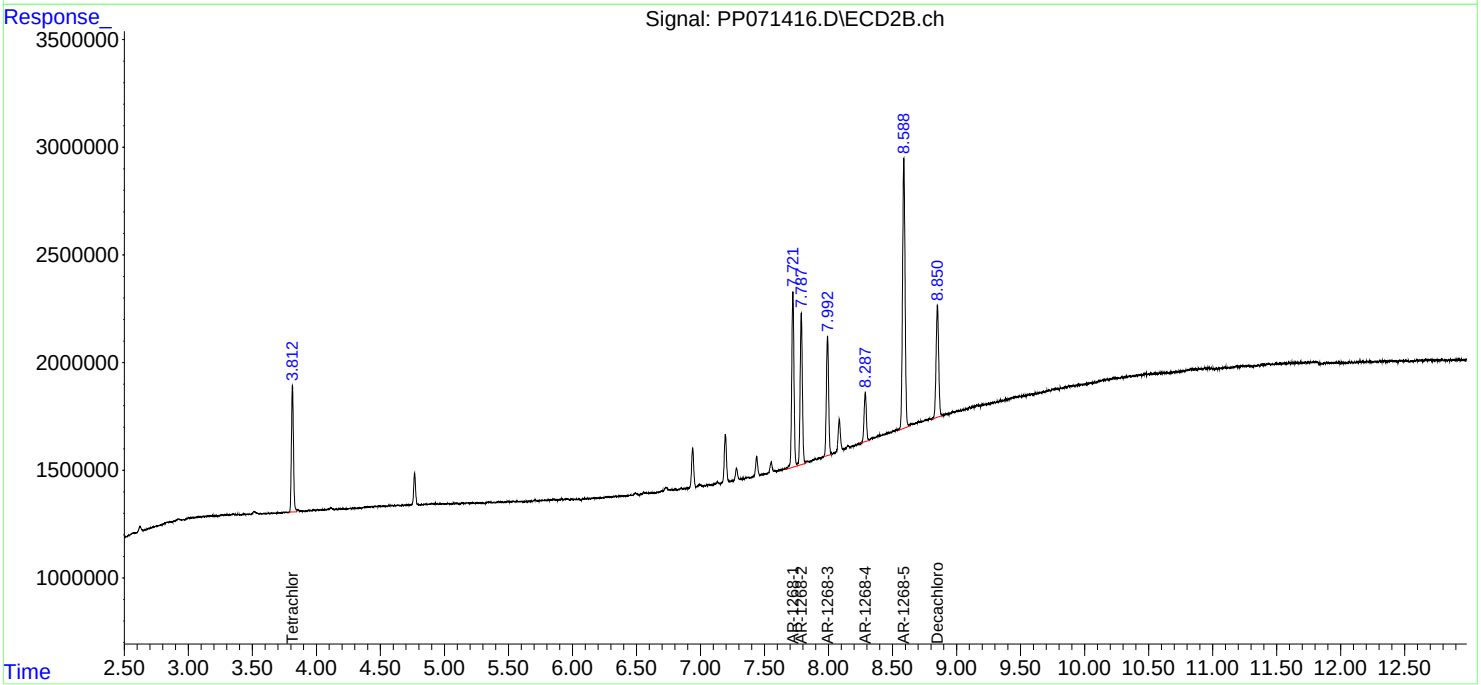
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 17:49
Operator : YP\AJ
Sample : AR1268ICC50
Misc :
ALS Vial : 30 Sample Multiplier: 1

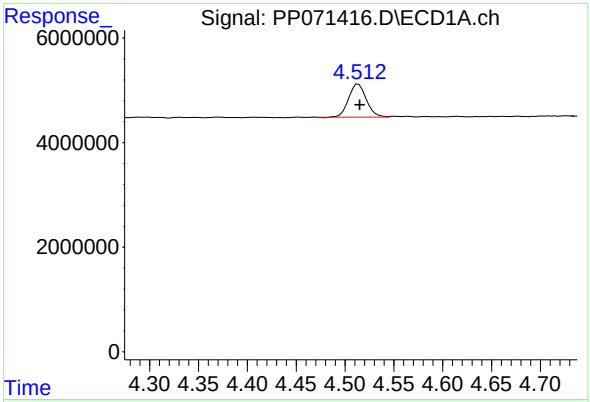
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:01:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



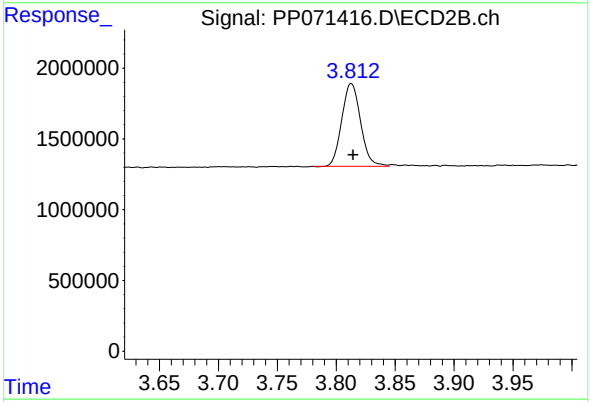




#1 Tetrachloro-m-xylene

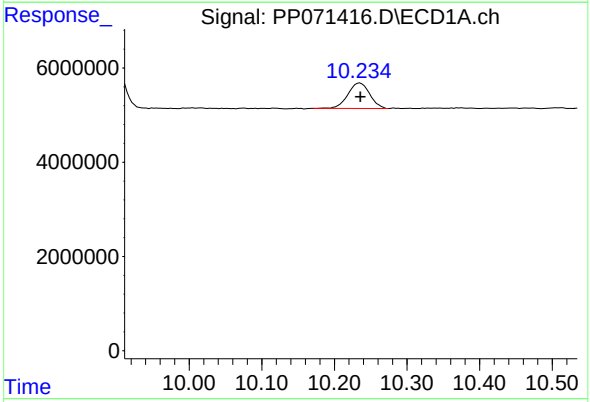
R.T.: 4.514 min
Delta R.T.: -0.001 min
Response: 7954830
Conc: 4.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



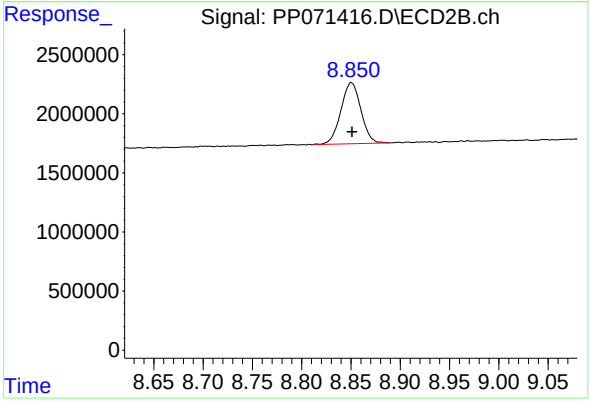
#1 Tetrachloro-m-xylene

R.T.: 3.813 min
Delta R.T.: -0.001 min
Response: 6504410
Conc: 4.44 ng/ml



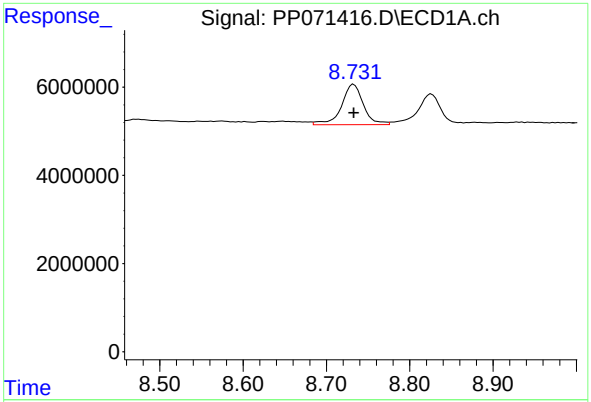
#2 Decachlorobiphenyl

R.T.: 10.235 min
Delta R.T.: 0.000 min
Response: 11316360
Conc: 4.24 ng/ml



#2 Decachlorobiphenyl

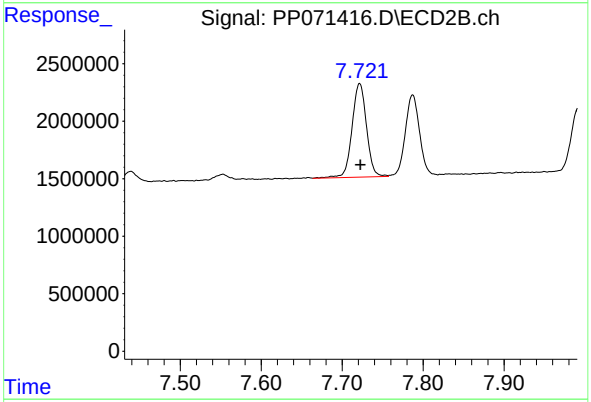
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 7324768
Conc: 4.57 ng/ml



#41 AR-1268-1

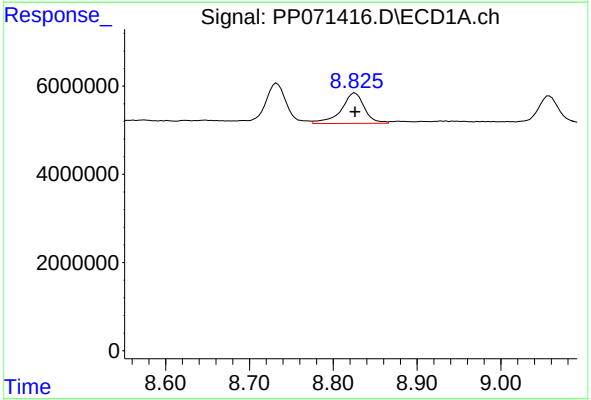
R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 16683982
Conc: 52.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



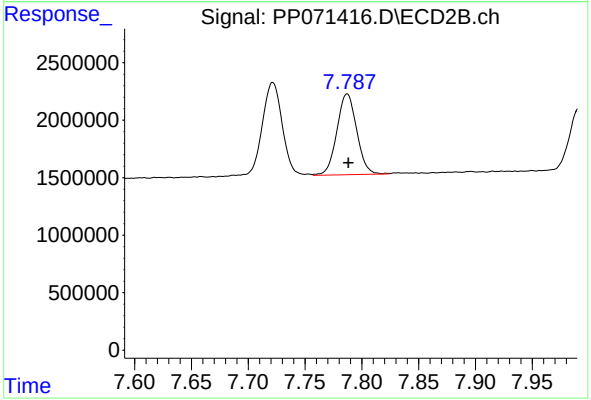
#41 AR-1268-1

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 10087094
Conc: 49.69 ng/ml



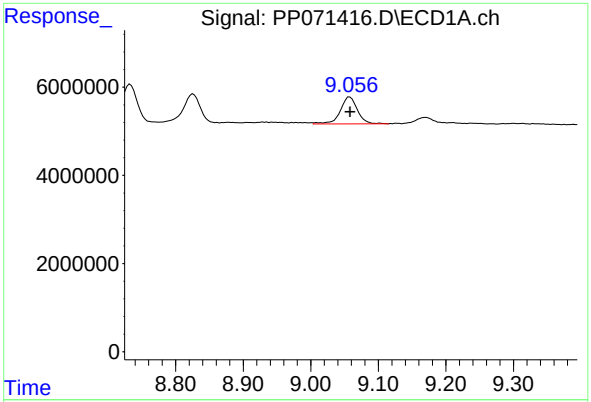
#42 AR-1268-2

R.T.: 8.826 min
Delta R.T.: 0.000 min
Response: 13400358
Conc: 50.01 ng/ml



#42 AR-1268-2

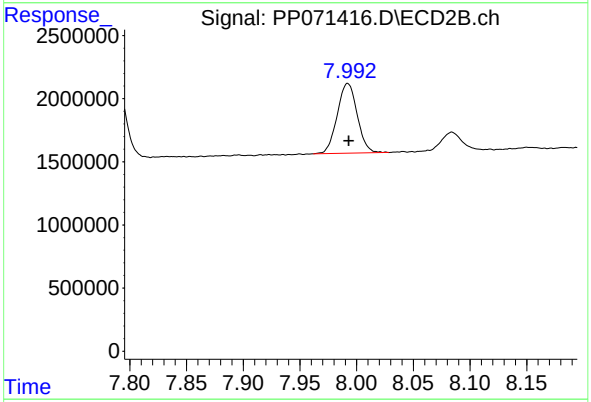
R.T.: 7.787 min
Delta R.T.: -0.001 min
Response: 8528068
Conc: 49.37 ng/ml



#43 AR-1268-3

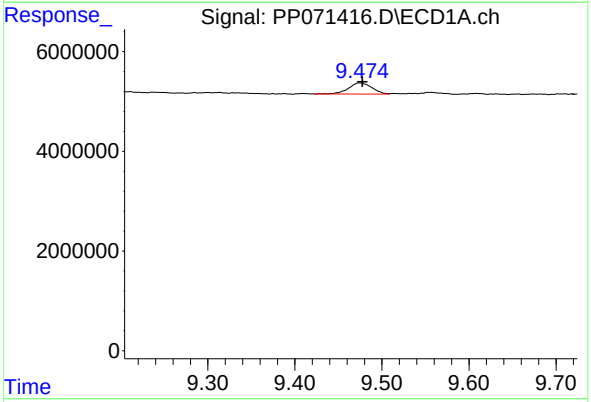
R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 10823544
Conc: 48.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



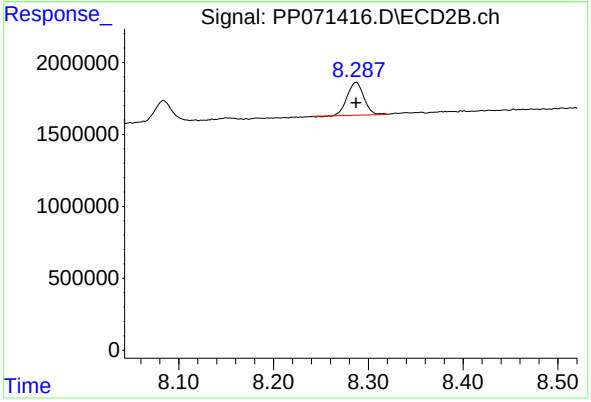
#43 AR-1268-3

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 6773456
Conc: 47.34 ng/ml



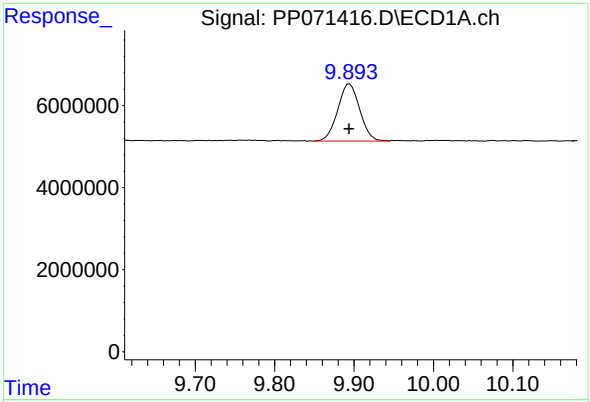
#44 AR-1268-4

R.T.: 9.476 min
Delta R.T.: -0.002 min
Response: 4136815
Conc: 41.78 ng/ml



#44 AR-1268-4

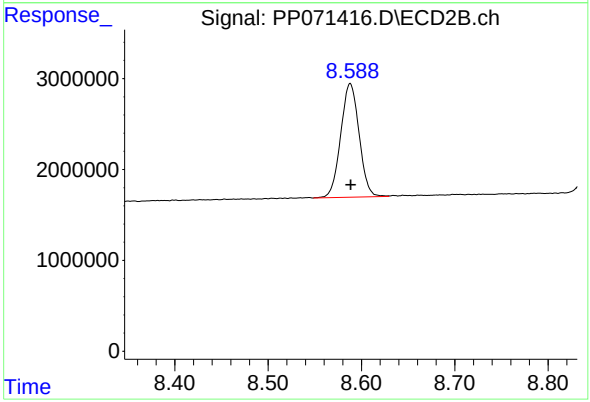
R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 2789666
Conc: 43.82 ng/ml



#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 26835395
Conc: 43.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 17143092
Conc: 44.51 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 20:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:01:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.516	3.814	98428428	75098106	49.661	51.289
2)	SA Decachlor...	10.234	8.850	131.8E6	79464849	49.365	49.579
	Target Compounds						
41)	L9 AR-1268-1	8.733	7.722	157.9E6	99000808	493.783	487.721
42)	L9 AR-1268-2	8.827	7.788	132.3E6	84218105	493.704	487.500
43)	L9 AR-1268-3	9.058	7.992	112.3E6	69254815	498.379	484.016
44)	L9 AR-1268-4	9.477	8.286	48904008	30724632	493.945	482.619
45)	L9 AR-1268-5	9.894	8.588	309.0E6	189.8E6	497.455	492.818

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

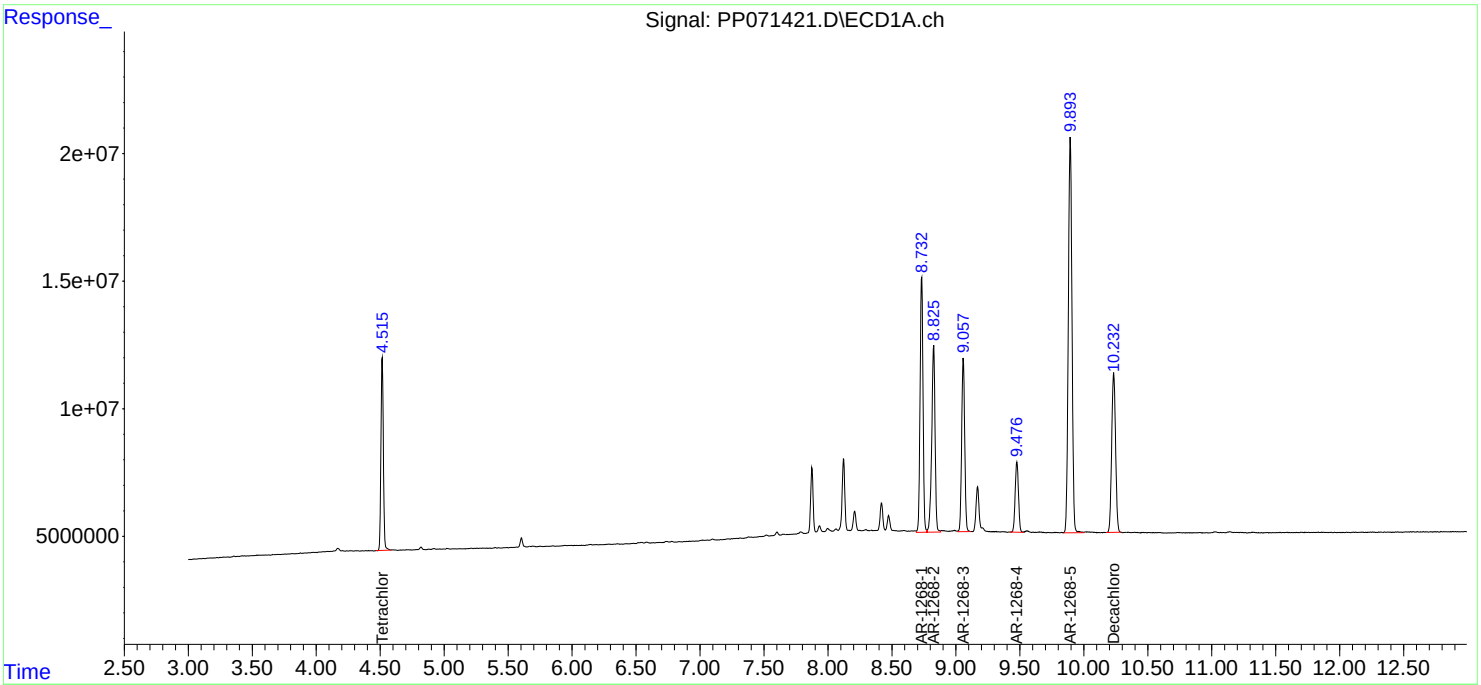
Quantitation Report (Not Reviewed)

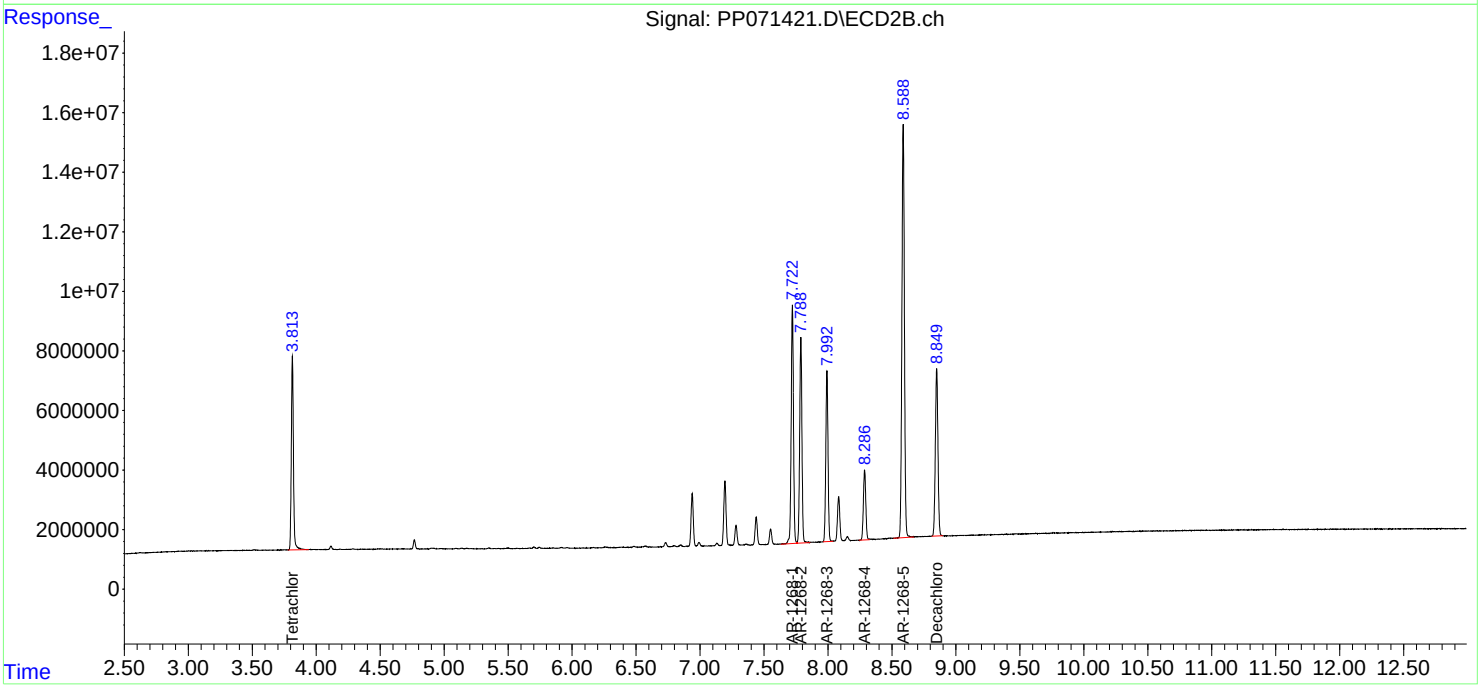
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042225\
Data File : PP071421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Apr 2025 20:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

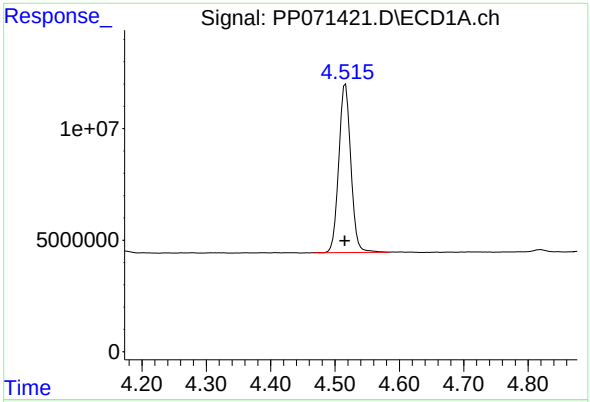
Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 02:01:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 01:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



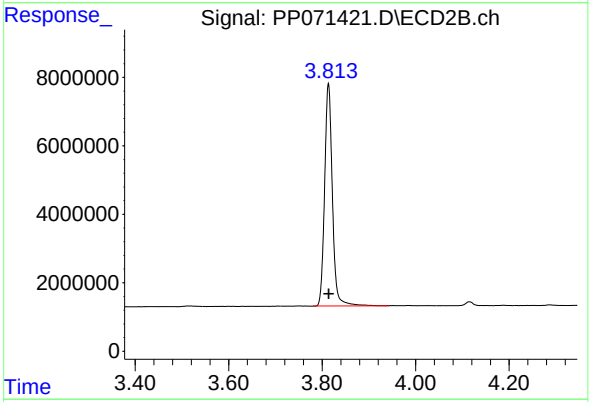




#1 Tetrachloro-m-xylene

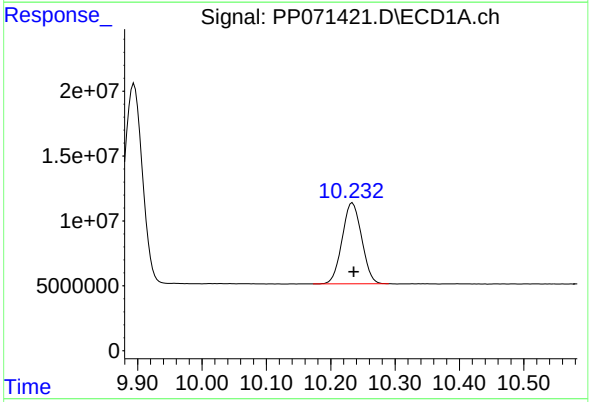
R.T.: 4.516 min
Delta R.T.: 0.001 min
Response: 98428428
Conc: 49.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268



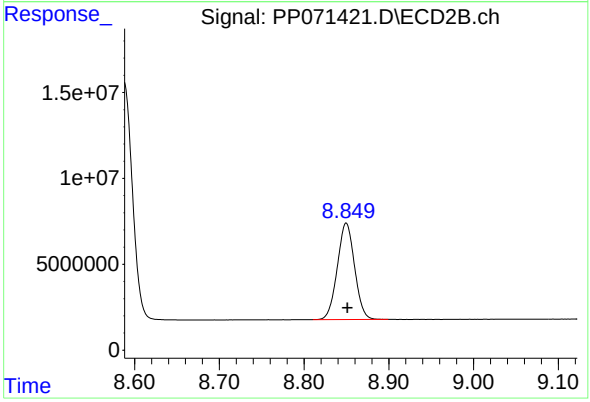
#1 Tetrachloro-m-xylene

R.T.: 3.814 min
Delta R.T.: 0.000 min
Response: 75098106
Conc: 51.29 ng/ml



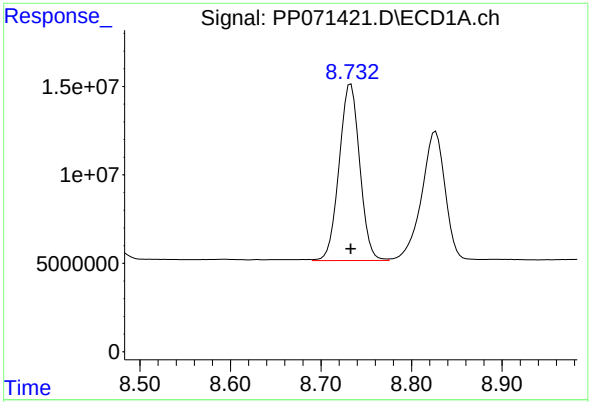
#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: -0.002 min
Response: 131775212
Conc: 49.36 ng/ml



#2 Decachlorobiphenyl

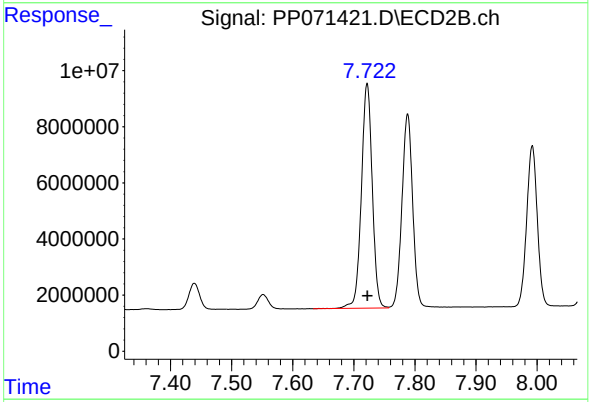
R.T.: 8.850 min
Delta R.T.: -0.001 min
Response: 79464849
Conc: 49.58 ng/ml



#41 AR-1268-1

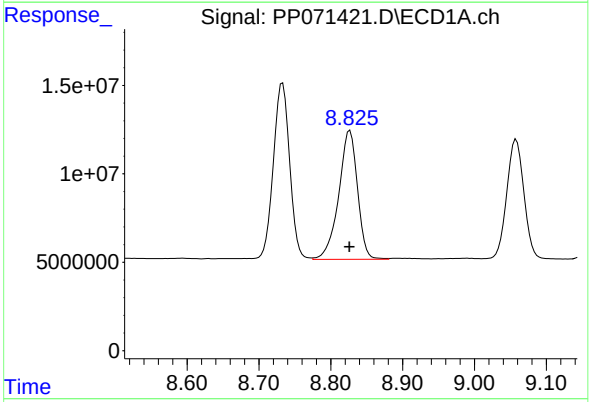
R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 157884565
Conc: 493.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268



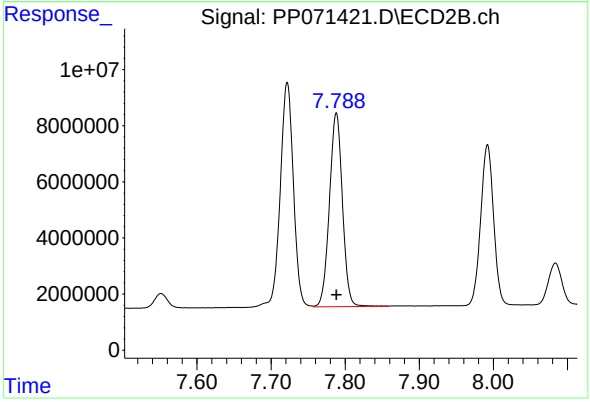
#41 AR-1268-1

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 99000808
Conc: 487.72 ng/ml



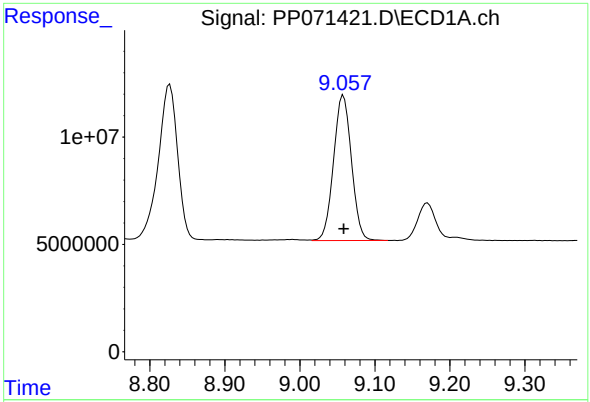
#42 AR-1268-2

R.T.: 8.827 min
Delta R.T.: 0.000 min
Response: 132293136
Conc: 493.70 ng/ml



#42 AR-1268-2

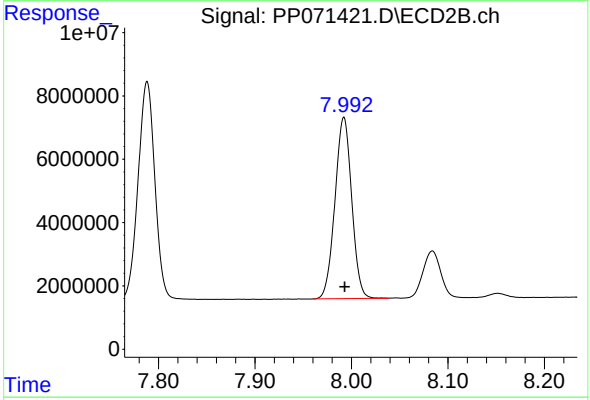
R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 84218105
Conc: 487.50 ng/ml



#43 AR-1268-3

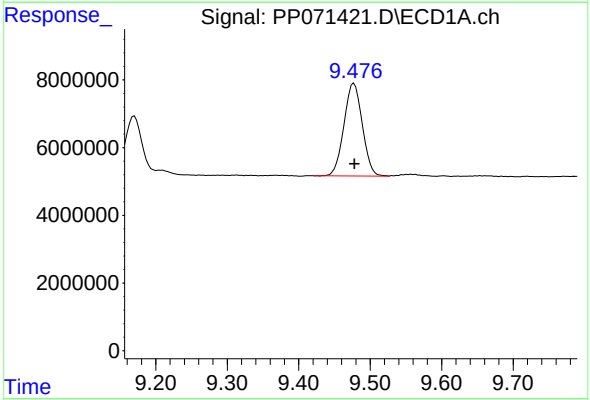
R.T.: 9.058 min
Delta R.T.: 0.000 min
Response: 112276971
Conc: 498.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268



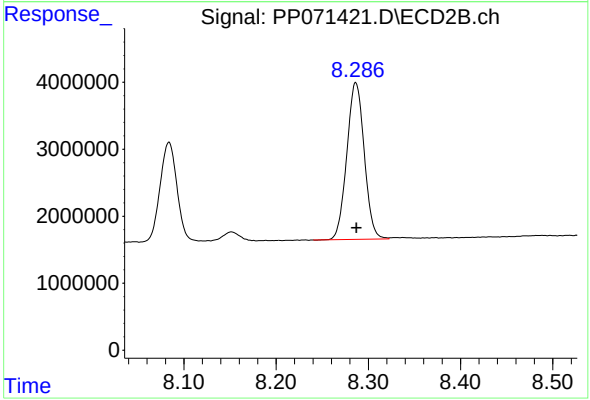
#43 AR-1268-3

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 69254815
Conc: 484.02 ng/ml



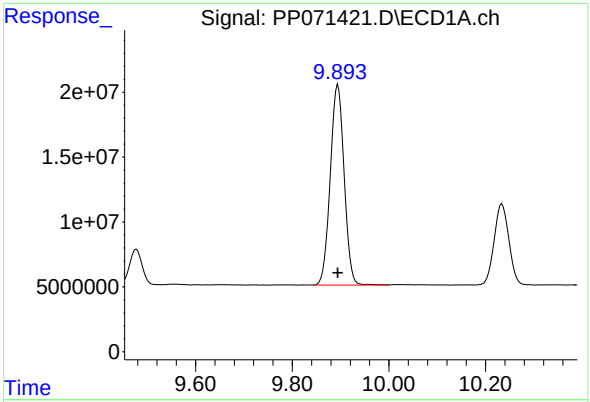
#44 AR-1268-4

R.T.: 9.477 min
Delta R.T.: 0.000 min
Response: 48904008
Conc: 493.94 ng/ml



#44 AR-1268-4

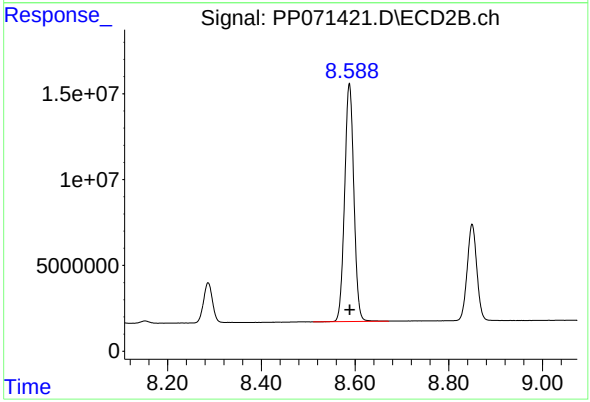
R.T.: 8.286 min
Delta R.T.: 0.000 min
Response: 30724632
Conc: 482.62 ng/ml



#45 AR-1268-5

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 308950692
Conc: 497.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP042225AR1268



#45 AR-1268-5

R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 189821225
Conc: 492.82 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 08:46
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: May 13 22:49:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.503	3.803	100.8E6	79855057	50.834	56.689	
2)	SA Decachlor...	10.210	8.825	78781894	46187018	54.407	52.662	
	Target Compounds							
3)	L1 AR-1016-1	5.678	4.904	50806851	35065602	757.748	655.021	
4)	L1 AR-1016-2	5.678	4.904	50806851	35065602	495.057	459.192	
5)	L1 AR-1016-3	5.740	5.081	30713714	22139616	498.218	524.506	
6)	L1 AR-1016-4	5.837	5.122	25539655	18677907	497.867	541.609	
7)	L1 AR-1016-5	6.129	5.335	22830323	24665709	473.281	554.943	
8)	L2 AR-1221-1	4.701	4.011	3371857	3250660	139.813	147.791	
9)	L2 AR-1221-2	4.791	4.100	5079203	4747206	281.913	286.637	
10)	L2 AR-1221-3	4.866	4.175	18315272	17537540	323.527	361.770	
11)	L3 AR-1232-1	4.866	4.175	18315272	17537540	407.803	457.687	
12)	L3 AR-1232-2	5.391	4.904	24400902	35065602	1060.305	918.251	
13)	L3 AR-1232-3	5.678	5.081	50806851	22139616	1076.016	1045.540	
14)	L3 AR-1232-4	5.837	5.164	25539655	22556710	1101.828	1216.624	
15)	L3 AR-1232-5	5.926	5.335	21096332	24665709	1306.621	1239.368	
16)	L4 AR-1242-1	5.678	4.904	50806851	35065602	927.617	758.280	
17)	L4 AR-1242-2	5.678	4.904	50806851	35065602	597.865	531.114	
18)	L4 AR-1242-3	5.740	5.081	30713714	22139616	600.777	607.426	
19)	L4 AR-1242-4	5.837	5.164	25539655	22556710	605.082	631.653	
20)	L4 AR-1242-5	6.568	5.687	7058024	24408172	152.472	561.004	#
21)	L5 AR-1248-1	5.678	4.904	50806851	35065602	1183.236	971.169	
22)	L5 AR-1248-2	5.926	5.122	21096332	18677907	349.089	381.474	
23)	L5 AR-1248-3	6.129	5.164	22830323	22556710	341.851	441.548	#
24)	L5 AR-1248-4	6.526	5.335	7682250	24665709	90.795	406.640	#
25)	L5 AR-1248-5	6.568	5.729	7058024	6707758	88.838	115.074	#
26)	L6 AR-1254-1	6.526	5.687	7682250	24408172	93.742	267.047	#
27)	L6 AR-1254-2	6.719	5.835	20497614	17542347	161.302	222.867	#
28)	L6 AR-1254-3	7.083	6.253	11682960	33192610	91.434	280.087	#
29)	L6 AR-1254-4	7.366	6.497	9277993	11203304	78.953	145.185	#
30)	L6 AR-1254-5	7.812	6.883	7954859	51983599	73.840	512.317	#
31)	L7 AR-1260-1	7.246	6.369	46814552	42011324	487.527	581.076	
32)	L7 AR-1260-2	7.500	6.557	70680701	50131351	494.003	573.182	
33)	L7 AR-1260-3	7.859	6.710	58452138	45054009	521.410	574.760	
34)	L7 AR-1260-4	8.083	7.180	56102615	36654241	497.078	580.794	
35)	L7 AR-1260-5	8.402	7.422	118.5E6	84476146	522.998	560.271	
36)	L8 AR-1262-1	8.083	6.921	56102615	43583610	388.277	383.617	
37)	L8 AR-1262-2	8.402	7.180	118.5E6	36654241	432.179	396.951	
38)	L8 AR-1262-3	8.725	7.702	77514364	21994943	423.859	290.575	#
39)	L8 AR-1262-4	8.802	7.767	23176029	60977033	172.684	488.497	#
40)	L8 AR-1262-5	9.456	8.266	31361235	22637252	355.723	407.929	
41)	L9 AR-1268-1	8.725	7.702	77514364	21994943	249.497	110.145	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 08:46
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: May 13 22:49:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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	
42)	L9 AR-1268-2	8.802	7.767	23176029	60977033	89.918	360.754	#
43)	L9 AR-1268-3	9.038	7.972	1726961	793624	7.748	5.705	#
44)	L9 AR-1268-4	9.456	8.266	31361235	22637252	333.422	372.341	
45)	L9 AR-1268-5	9.871	8.566	7979140	6375485	13.338	17.079	#

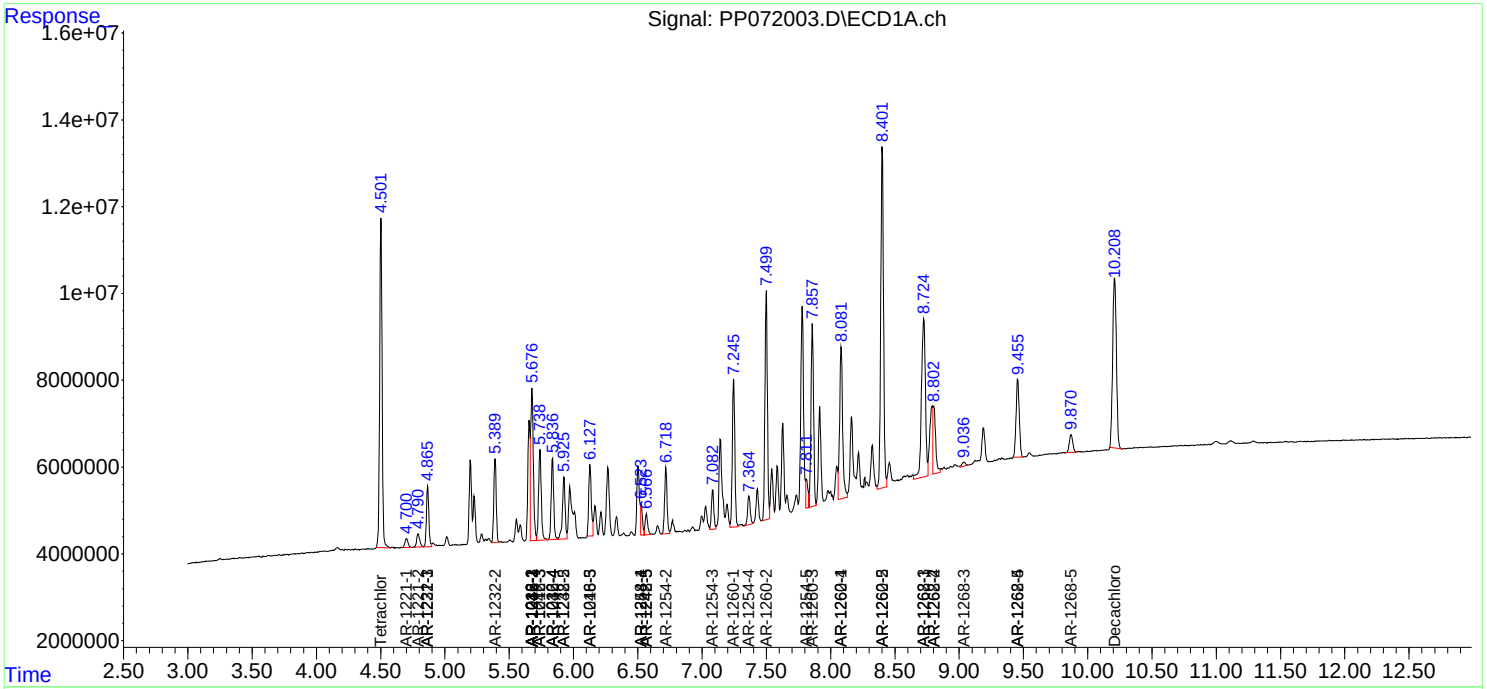
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

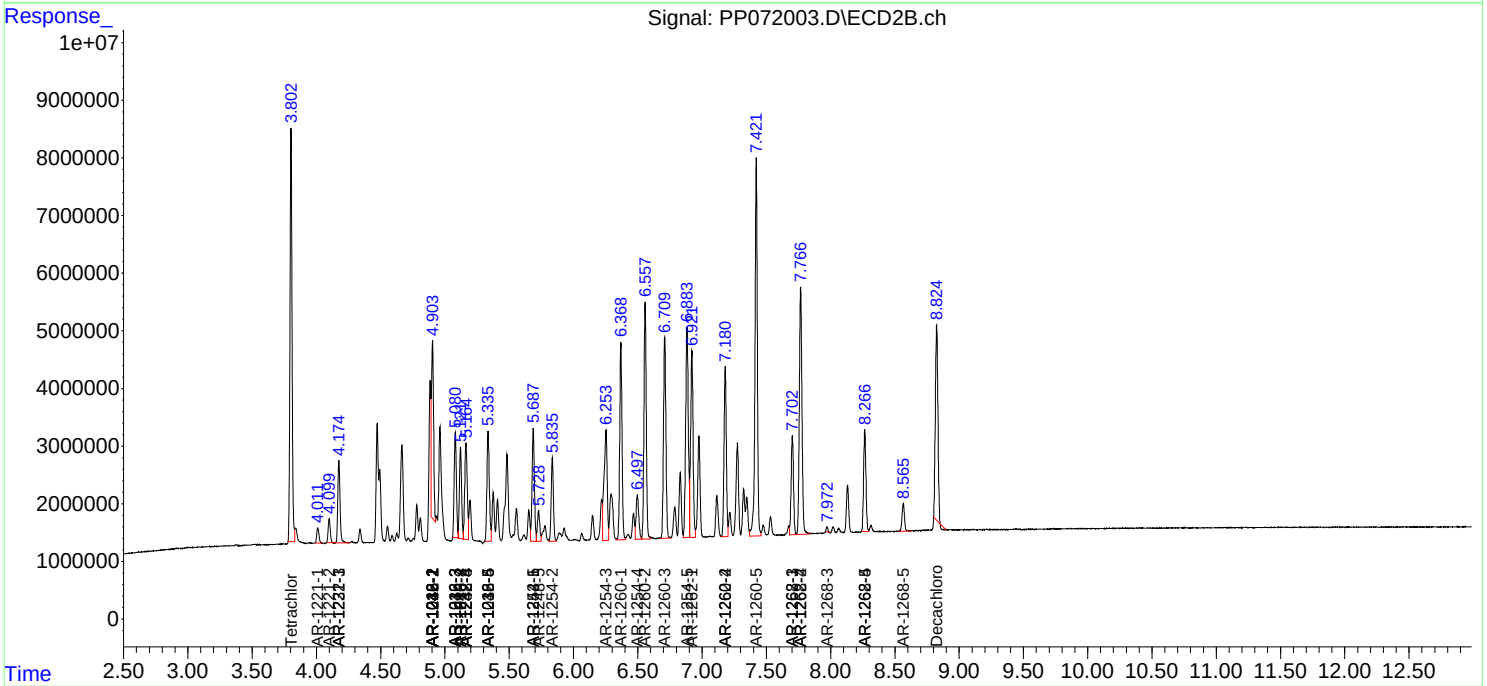
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 08:46
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

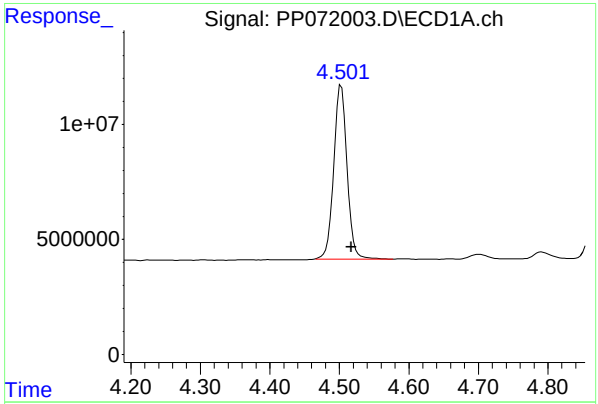
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:49:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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



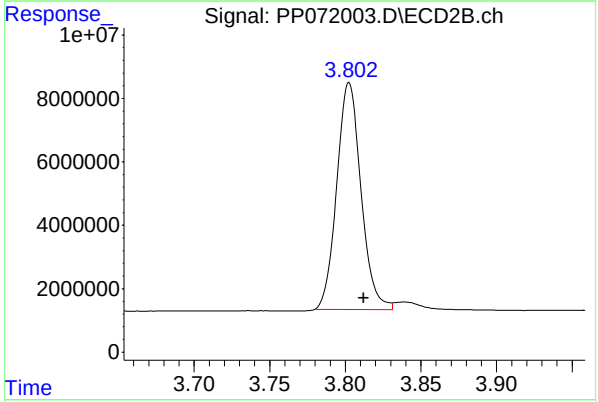




#1 Tetrachloro-m-xylene

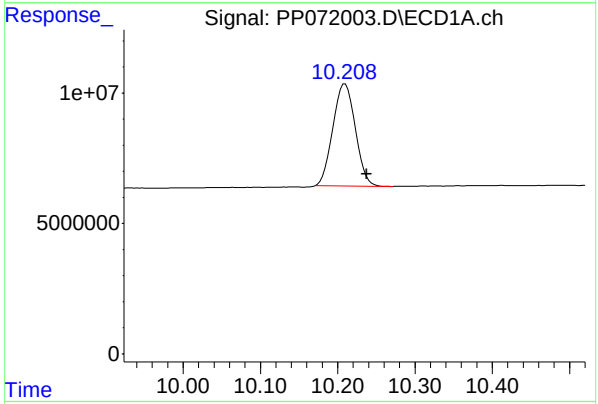
R.T.: 4.503 min
Delta R.T.: -0.014 min
Response: 100784573
Conc: 50.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



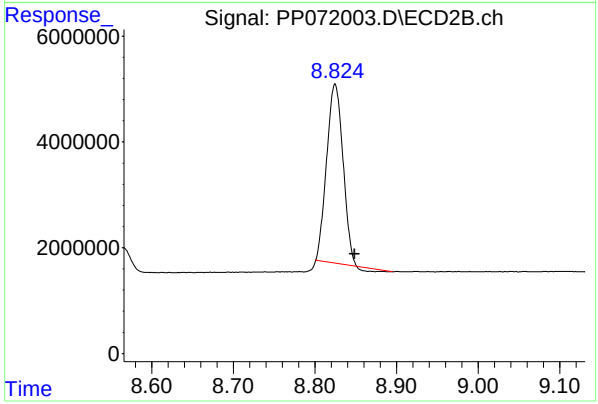
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.010 min
Response: 79855057
Conc: 56.69 ng/ml



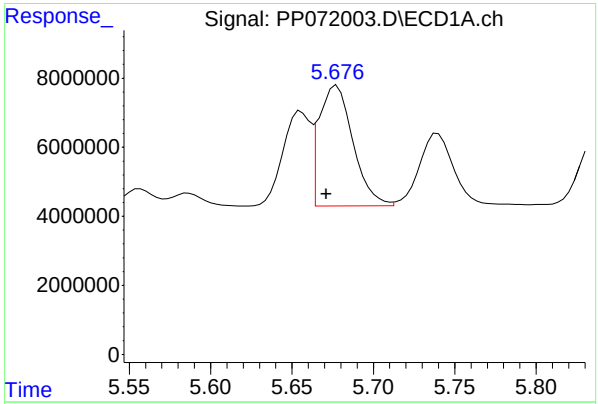
#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.028 min
Response: 78781894
Conc: 54.41 ng/ml



#2 Decachlorobiphenyl

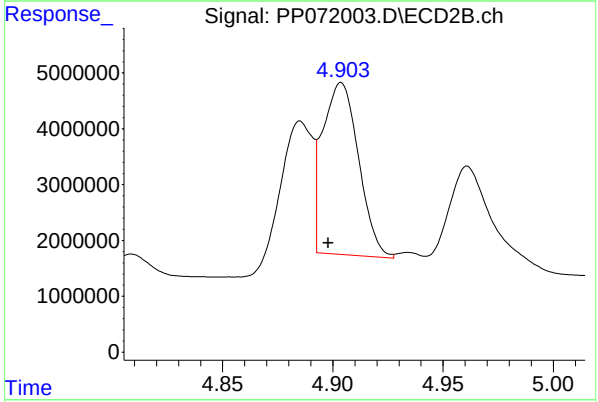
R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 46187018
Conc: 52.66 ng/ml



#3 AR-1016-1

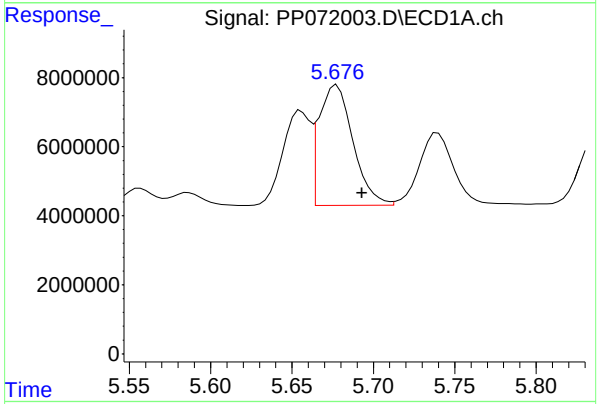
R.T.: 5.678 min
Delta R.T.: 0.006 min
Response: 50806851
Conc: 757.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



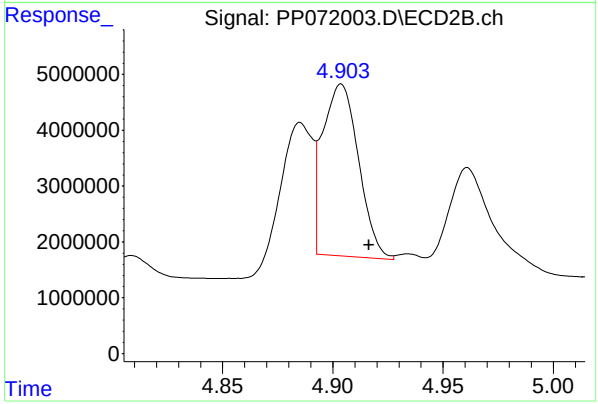
#3 AR-1016-1

R.T.: 4.904 min
Delta R.T.: 0.006 min
Response: 35065602
Conc: 655.02 ng/ml



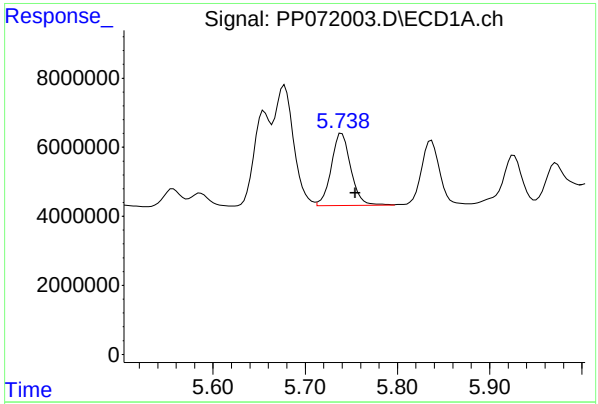
#4 AR-1016-2

R.T.: 5.678 min
Delta R.T.: -0.015 min
Response: 50806851
Conc: 495.06 ng/ml



#4 AR-1016-2

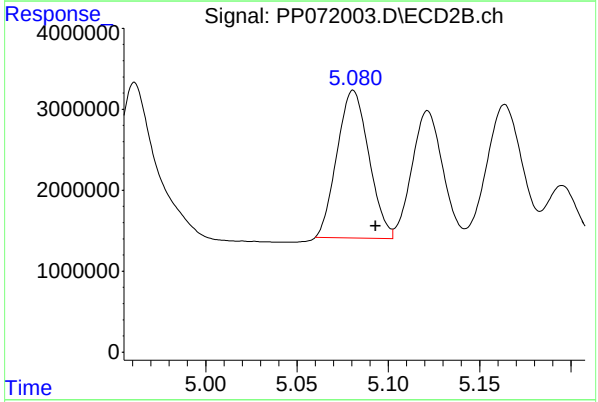
R.T.: 4.904 min
Delta R.T.: -0.013 min
Response: 35065602
Conc: 459.19 ng/ml



#5 AR-1016-3

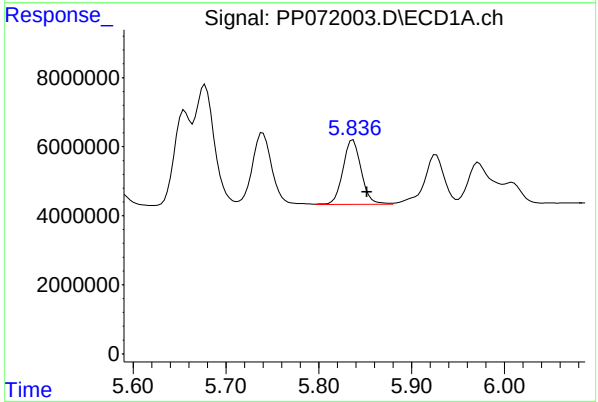
R.T.: 5.740 min
Delta R.T.: -0.015 min
Response: 30713714
Conc: 498.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



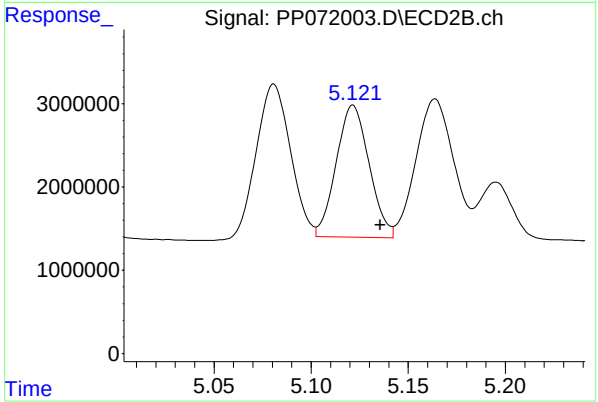
#5 AR-1016-3

R.T.: 5.081 min
Delta R.T.: -0.012 min
Response: 22139616
Conc: 524.51 ng/ml



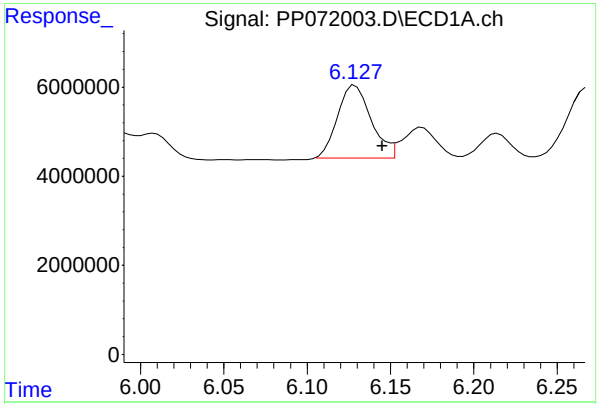
#6 AR-1016-4

R.T.: 5.837 min
Delta R.T.: -0.015 min
Response: 25539655
Conc: 497.87 ng/ml



#6 AR-1016-4

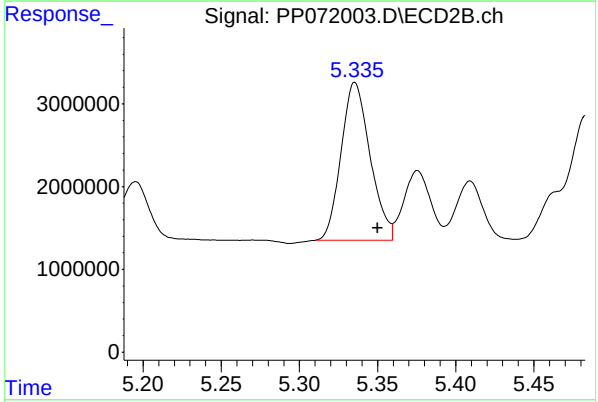
R.T.: 5.122 min
Delta R.T.: -0.014 min
Response: 18677907
Conc: 541.61 ng/ml



#7 AR-1016-5

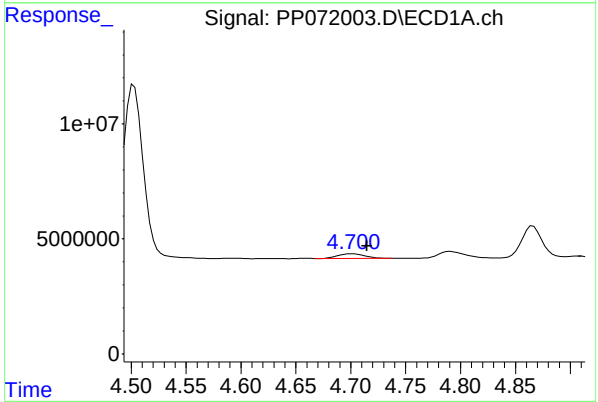
R.T.: 6.129 min
Delta R.T.: -0.016 min
Response: 22830323
Conc: 473.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



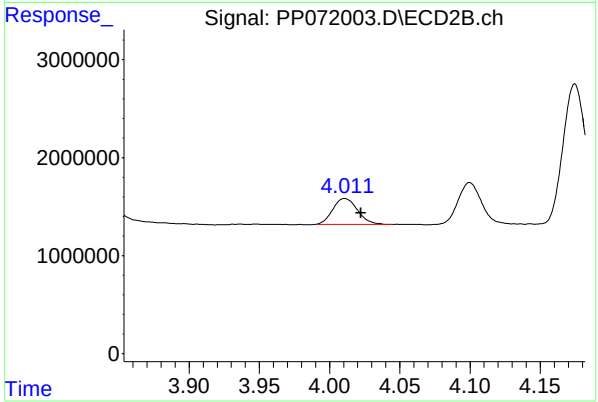
#7 AR-1016-5

R.T.: 5.335 min
Delta R.T.: -0.014 min
Response: 24665709
Conc: 554.94 ng/ml



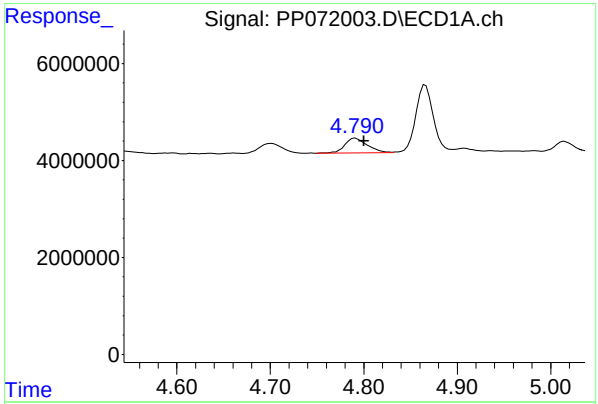
#8 AR-1221-1

R.T.: 4.701 min
Delta R.T.: -0.013 min
Response: 3371857
Conc: 139.81 ng/ml



#8 AR-1221-1

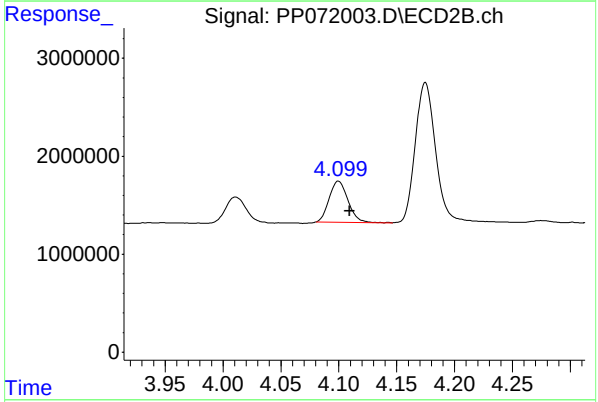
R.T.: 4.011 min
Delta R.T.: -0.011 min
Response: 3250660
Conc: 147.79 ng/ml



#9 AR-1221-2

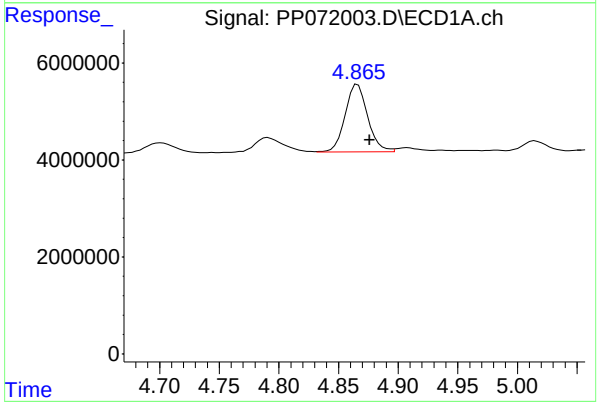
R.T.: 4.791 min
Delta R.T.: -0.009 min
Response: 5079203
Conc: 281.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



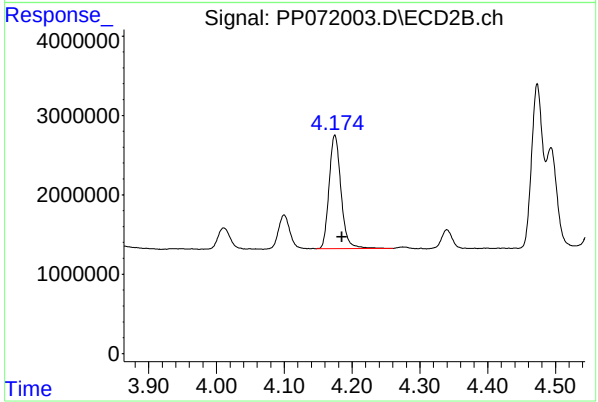
#9 AR-1221-2

R.T.: 4.100 min
Delta R.T.: -0.010 min
Response: 4747206
Conc: 286.64 ng/ml



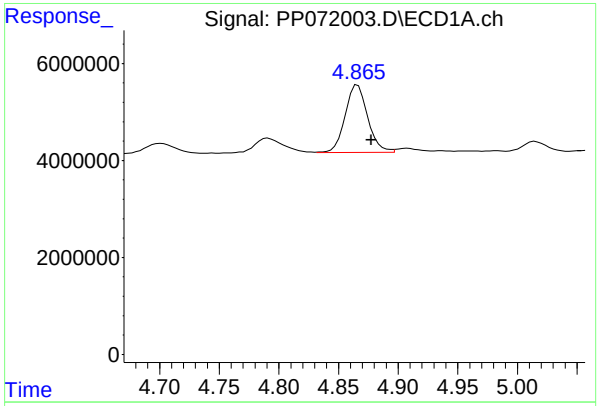
#10 AR-1221-3

R.T.: 4.866 min
Delta R.T.: -0.010 min
Response: 18315272
Conc: 323.53 ng/ml



#10 AR-1221-3

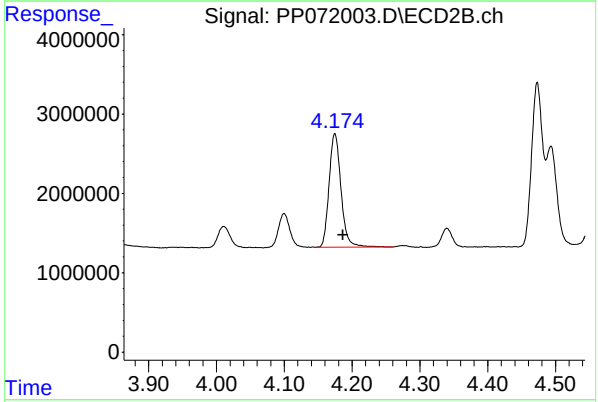
R.T.: 4.175 min
Delta R.T.: -0.010 min
Response: 17537540
Conc: 361.77 ng/ml



#11 AR-1232-1

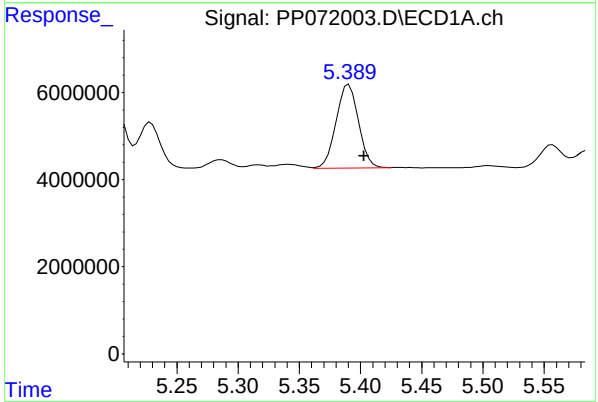
R.T.: 4.866 min
Delta R.T.: -0.012 min
Response: 18315272
Conc: 407.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



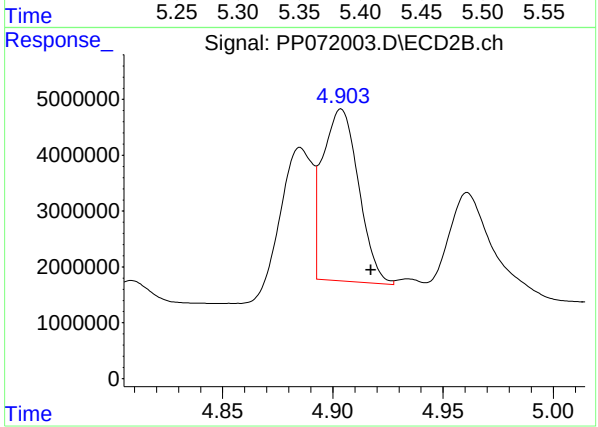
#11 AR-1232-1

R.T.: 4.175 min
Delta R.T.: -0.012 min
Response: 17537540
Conc: 457.69 ng/ml



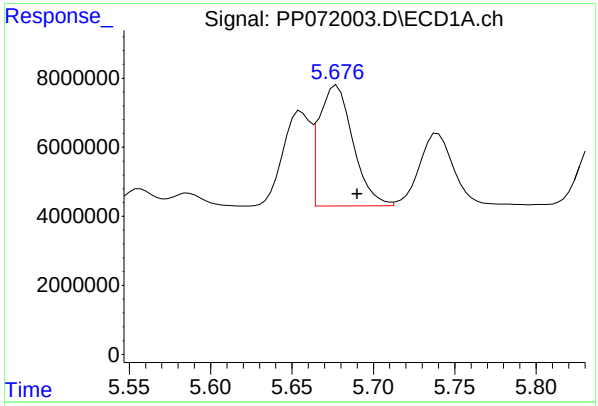
#12 AR-1232-2

R.T.: 5.391 min
Delta R.T.: -0.013 min
Response: 24400902
Conc: 1060.31 ng/ml



#12 AR-1232-2

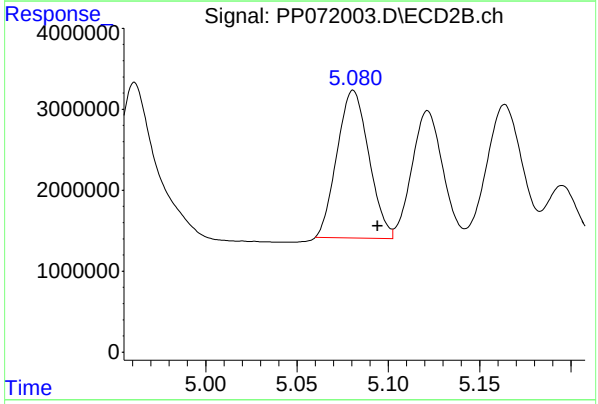
R.T.: 4.904 min
Delta R.T.: -0.014 min
Response: 35065602
Conc: 918.25 ng/ml



#13 AR-1232-3

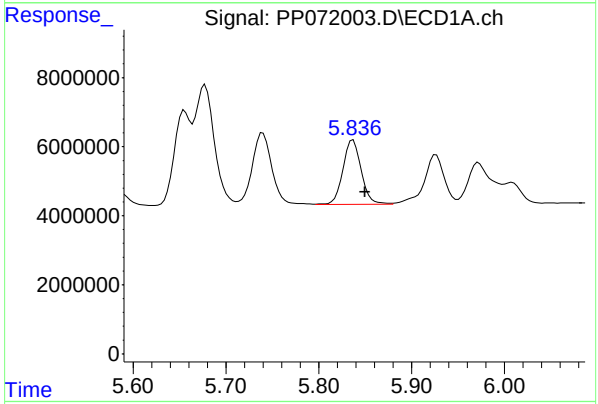
R.T.: 5.678 min
Delta R.T.: -0.013 mi
Response: 50806851
Conc: 1076.02 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



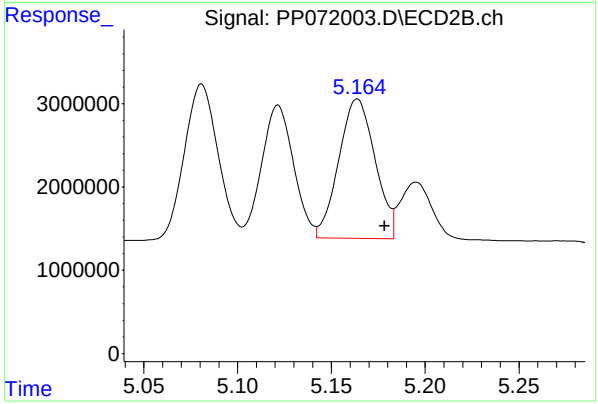
#13 AR-1232-3

R.T.: 5.081 min
Delta R.T.: -0.013 min
Response: 22139616
Conc: 1045.54 ng/ml



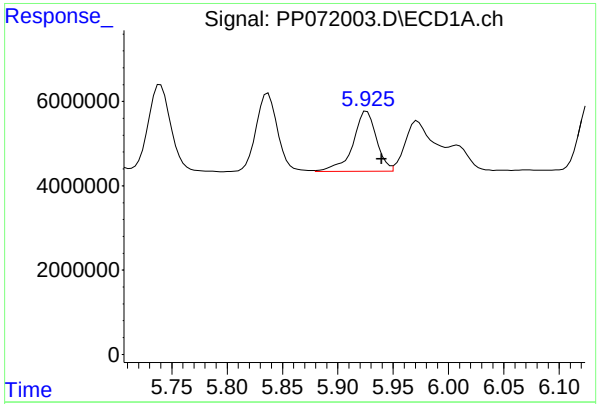
#14 AR-1232-4

R.T.: 5.837 min
Delta R.T.: -0.013 min
Response: 25539655
Conc: 1101.83 ng/ml



#14 AR-1232-4

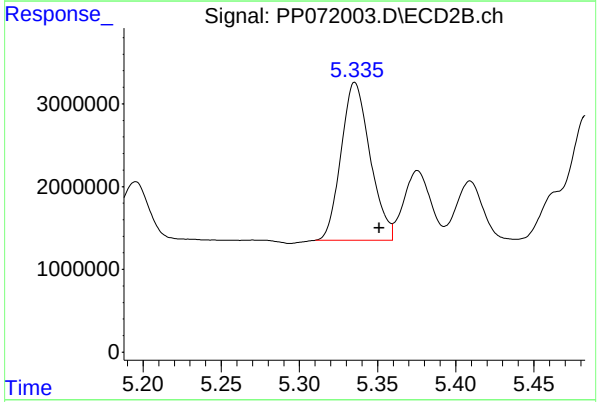
R.T.: 5.164 min
Delta R.T.: -0.014 min
Response: 22556710
Conc: 1216.62 ng/ml



#15 AR-1232-5

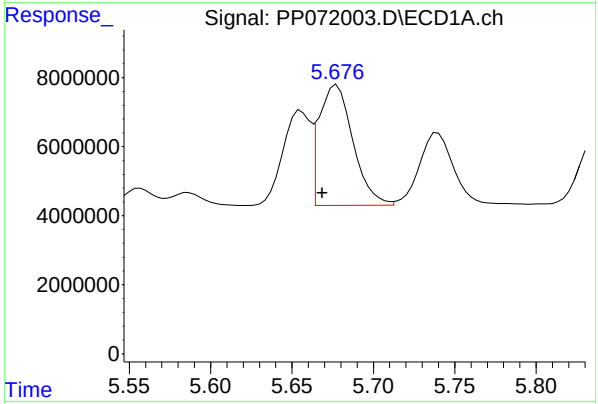
R.T.: 5.926 min
Delta R.T.: -0.013 mi
Response: 21096332
Conc: 1306.62 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



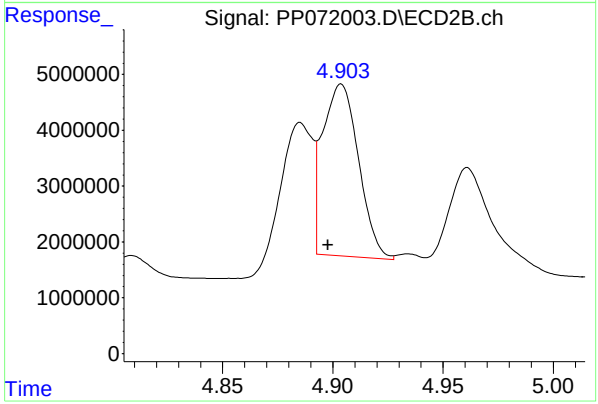
#15 AR-1232-5

R.T.: 5.335 min
Delta R.T.: -0.016 min
Response: 24665709
Conc: 1239.37 ng/ml



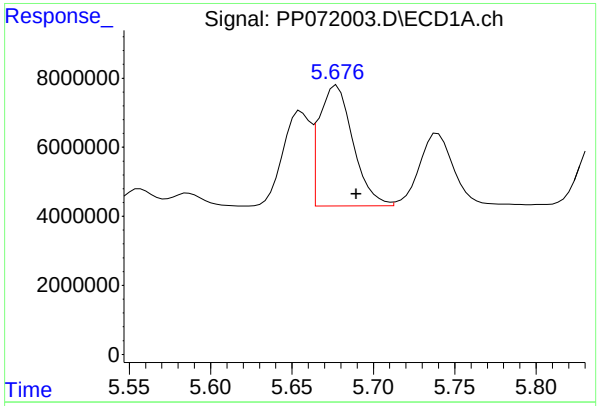
#16 AR-1242-1

R.T.: 5.678 min
Delta R.T.: 0.009 min
Response: 50806851
Conc: 927.62 ng/ml



#16 AR-1242-1

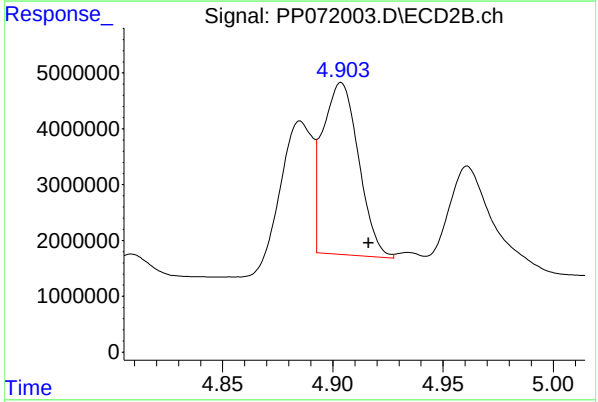
R.T.: 4.904 min
Delta R.T.: 0.006 min
Response: 35065602
Conc: 758.28 ng/ml



#17 AR-1242-2

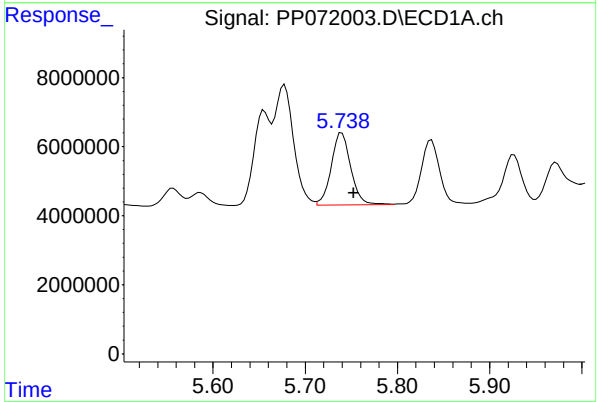
R.T.: 5.678 min
Delta R.T.: -0.012 min
Response: 50806851
Conc: 597.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



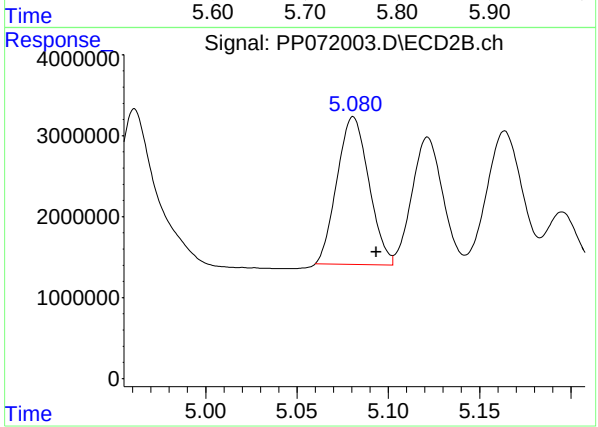
#17 AR-1242-2

R.T.: 4.904 min
Delta R.T.: -0.012 min
Response: 35065602
Conc: 531.11 ng/ml



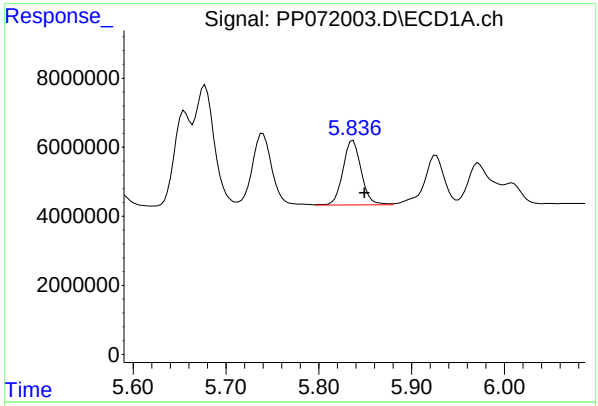
#18 AR-1242-3

R.T.: 5.740 min
Delta R.T.: -0.013 min
Response: 30713714
Conc: 600.78 ng/ml



#18 AR-1242-3

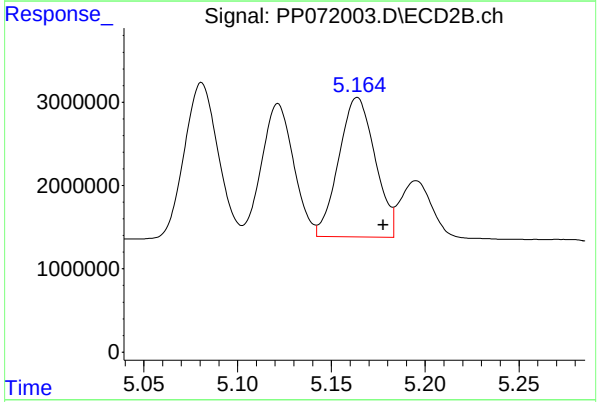
R.T.: 5.081 min
Delta R.T.: -0.013 min
Response: 22139616
Conc: 607.43 ng/ml



#19 AR-1242-4

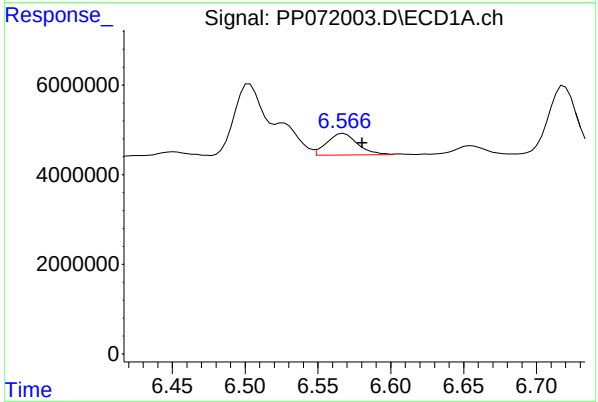
R.T.: 5.837 min
Delta R.T.: -0.012 min
Response: 25539655
Conc: 605.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



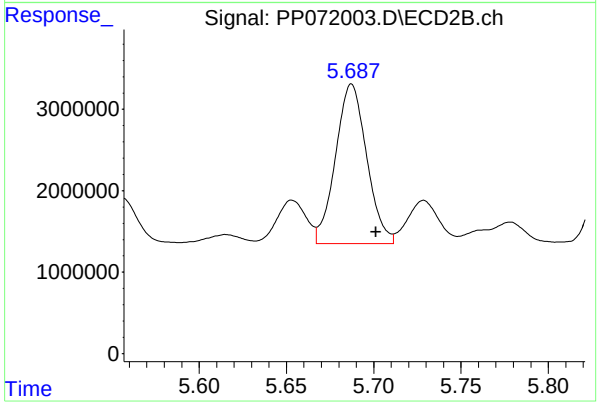
#19 AR-1242-4

R.T.: 5.164 min
Delta R.T.: -0.014 min
Response: 22556710
Conc: 631.65 ng/ml



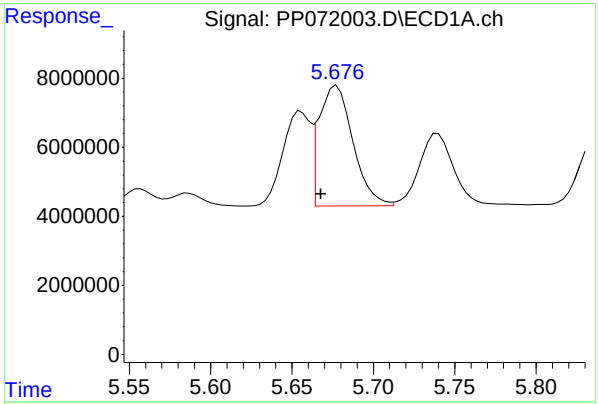
#20 AR-1242-5

R.T.: 6.568 min
Delta R.T.: -0.013 min
Response: 7058024
Conc: 152.47 ng/ml



#20 AR-1242-5

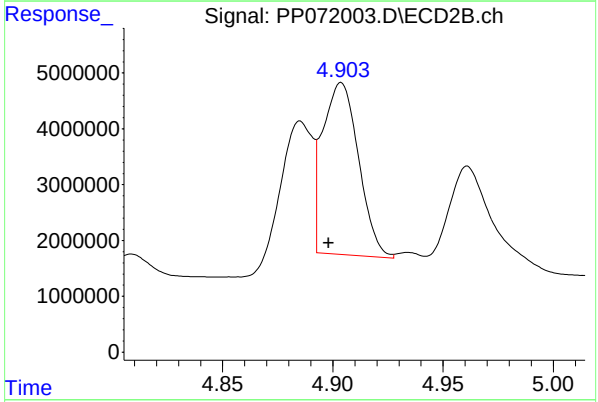
R.T.: 5.687 min
Delta R.T.: -0.014 min
Response: 24408172
Conc: 561.00 ng/ml



#21 AR-1248-1

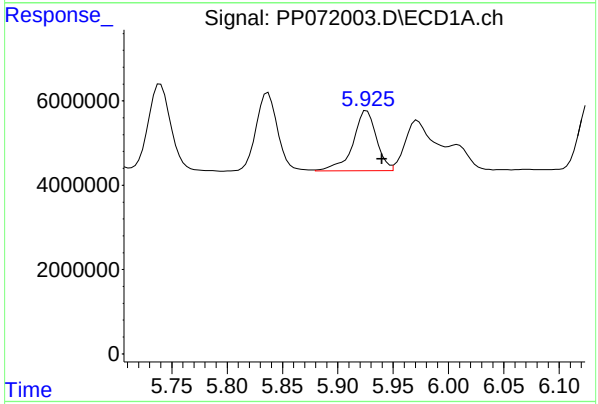
R.T.: 5.678 min
Delta R.T.: 0.010 min
Response: 50806851
Conc: 1183.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



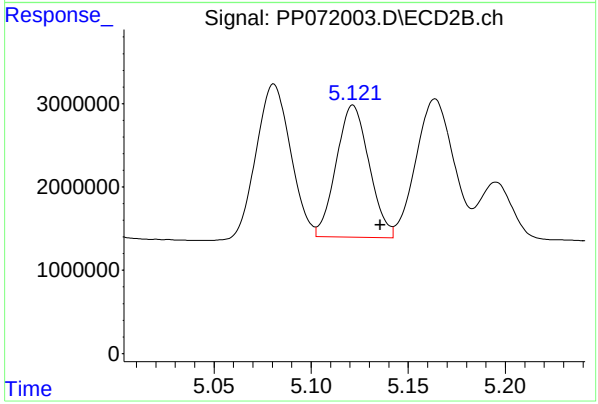
#21 AR-1248-1

R.T.: 4.904 min
Delta R.T.: 0.006 min
Response: 35065602
Conc: 971.17 ng/ml



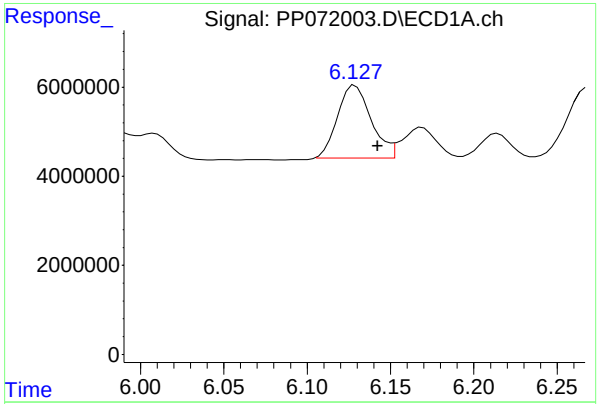
#22 AR-1248-2

R.T.: 5.926 min
Delta R.T.: -0.014 min
Response: 21096332
Conc: 349.09 ng/ml



#22 AR-1248-2

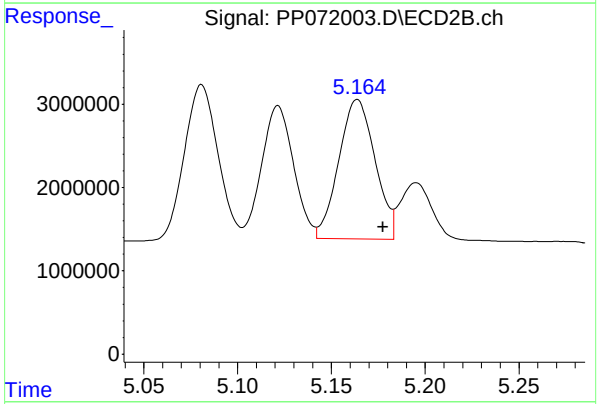
R.T.: 5.122 min
Delta R.T.: -0.014 min
Response: 18677907
Conc: 381.47 ng/ml



#23 AR-1248-3

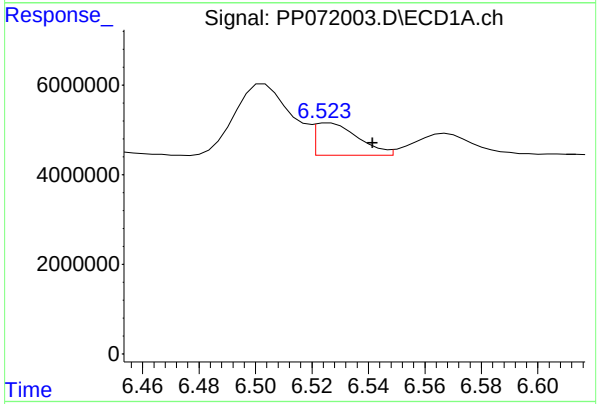
R.T.: 6.129 min
Delta R.T.: -0.013 min
Response: 22830323
Conc: 341.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



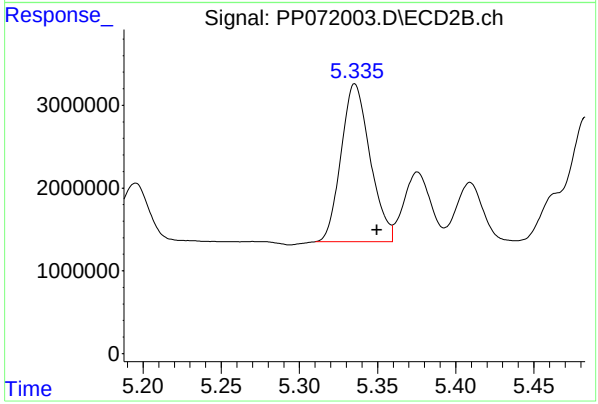
#23 AR-1248-3

R.T.: 5.164 min
Delta R.T.: -0.014 min
Response: 22556710
Conc: 441.55 ng/ml



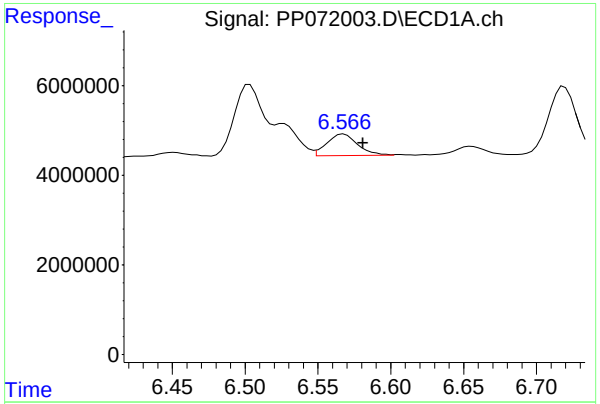
#24 AR-1248-4

R.T.: 6.526 min
Delta R.T.: -0.016 min
Response: 7682250
Conc: 90.80 ng/ml



#24 AR-1248-4

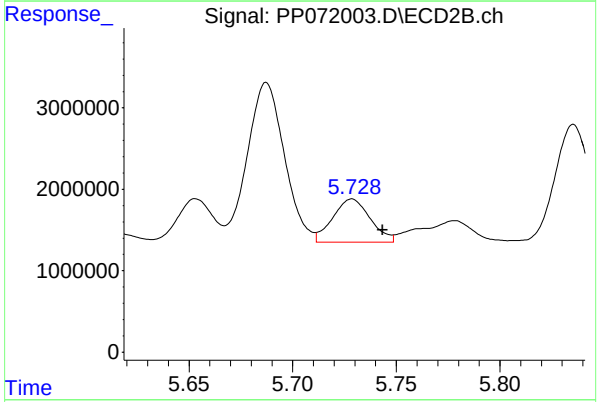
R.T.: 5.335 min
Delta R.T.: -0.014 min
Response: 24665709
Conc: 406.64 ng/ml



#25 AR-1248-5

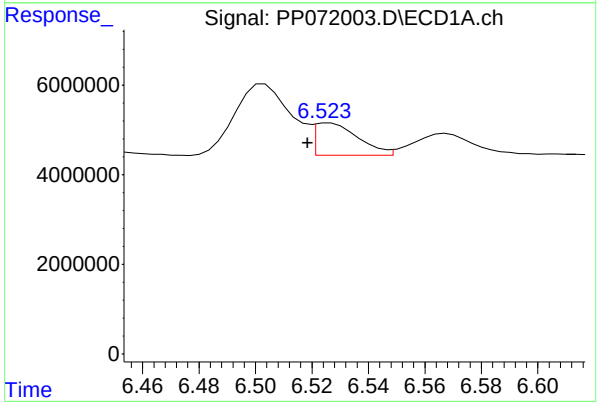
R.T.: 6.568 min
Delta R.T.: -0.013 min
Response: 7058024
Conc: 88.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



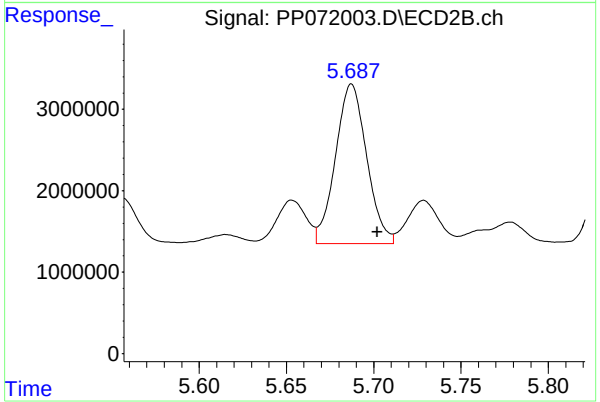
#25 AR-1248-5

R.T.: 5.729 min
Delta R.T.: -0.015 min
Response: 6707758
Conc: 115.07 ng/ml



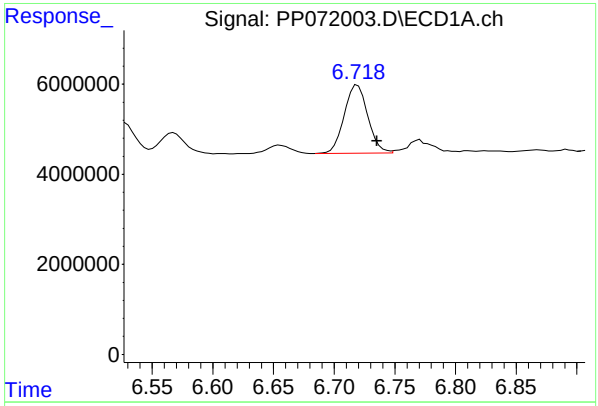
#26 AR-1254-1

R.T.: 6.526 min
Delta R.T.: 0.008 min
Response: 7682250
Conc: 93.74 ng/ml



#26 AR-1254-1

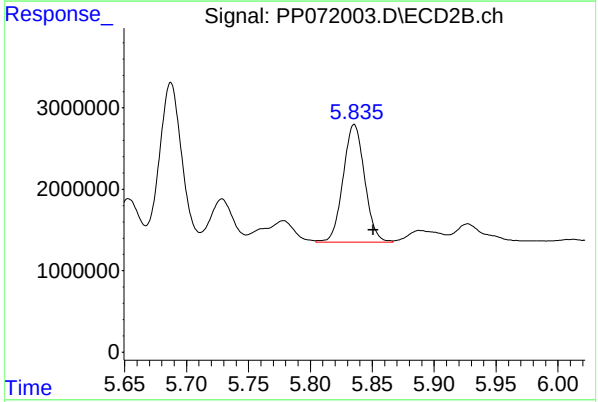
R.T.: 5.687 min
Delta R.T.: -0.015 min
Response: 24408172
Conc: 267.05 ng/ml



#27 AR-1254-2

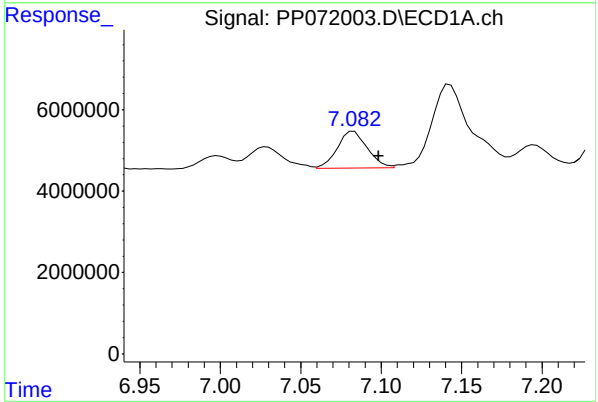
R.T.: 6.719 min
Delta R.T.: -0.016 min
Response: 20497614
Conc: 161.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



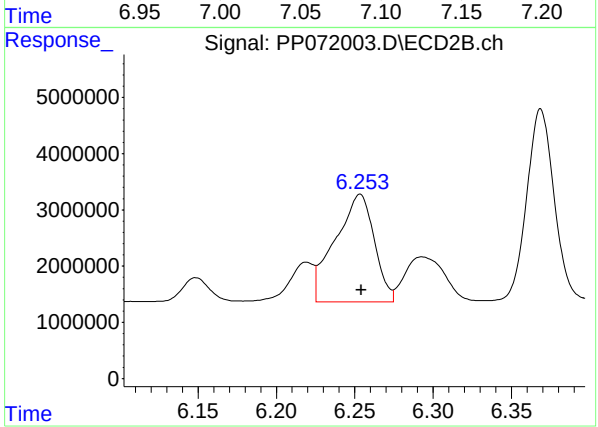
#27 AR-1254-2

R.T.: 5.835 min
Delta R.T.: -0.015 min
Response: 17542347
Conc: 222.87 ng/ml



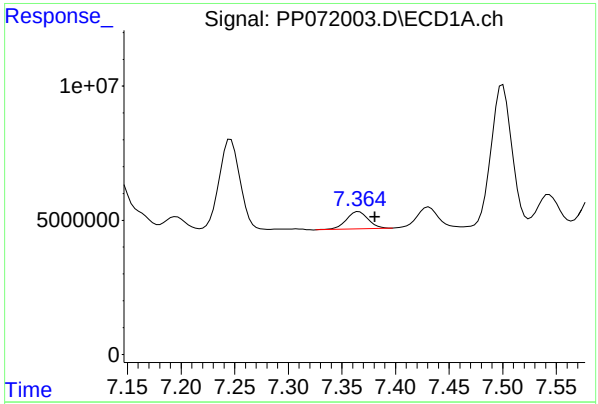
#28 AR-1254-3

R.T.: 7.083 min
Delta R.T.: -0.015 min
Response: 11682960
Conc: 91.43 ng/ml



#28 AR-1254-3

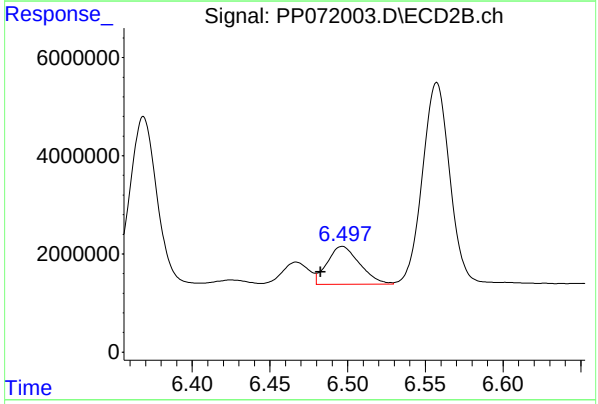
R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 33192610
Conc: 280.09 ng/ml



#29 AR-1254-4

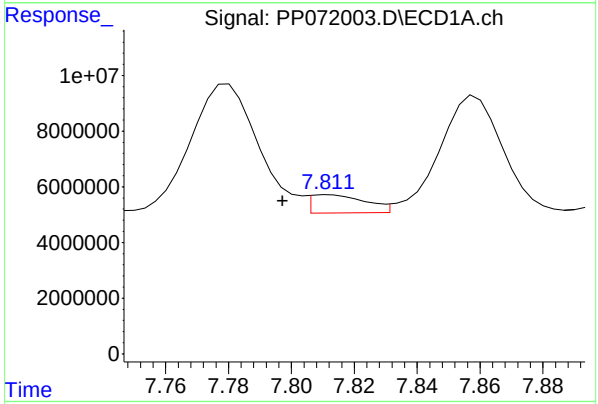
R.T.: 7.366 min
Delta R.T.: -0.015 min
Response: 9277993
Conc: 78.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



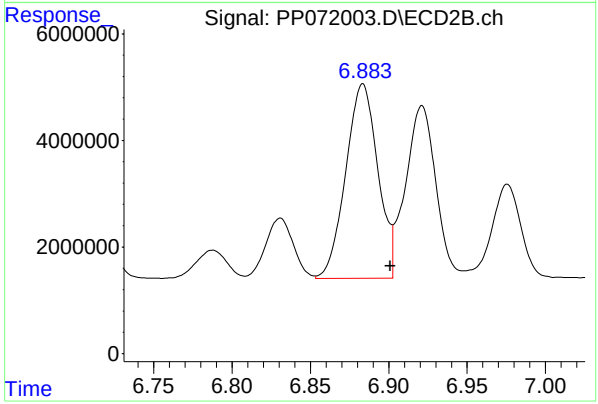
#29 AR-1254-4

R.T.: 6.497 min
Delta R.T.: 0.014 min
Response: 11203304
Conc: 145.19 ng/ml



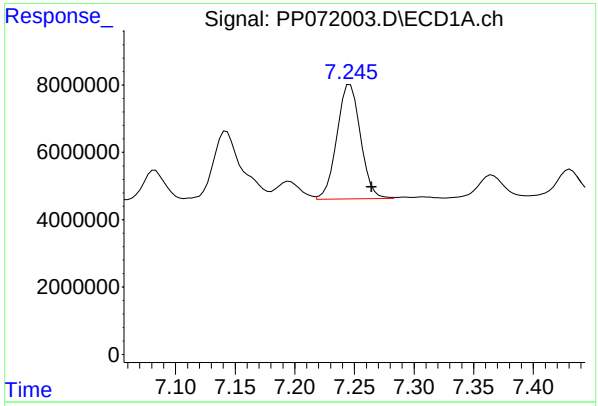
#30 AR-1254-5

R.T.: 7.812 min
Delta R.T.: 0.015 min
Response: 7954859
Conc: 73.84 ng/ml



#30 AR-1254-5

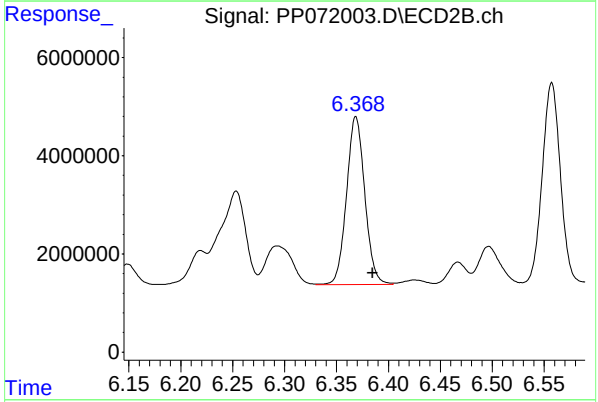
R.T.: 6.883 min
Delta R.T.: -0.017 min
Response: 51983599
Conc: 512.32 ng/ml



#31 AR-1260-1

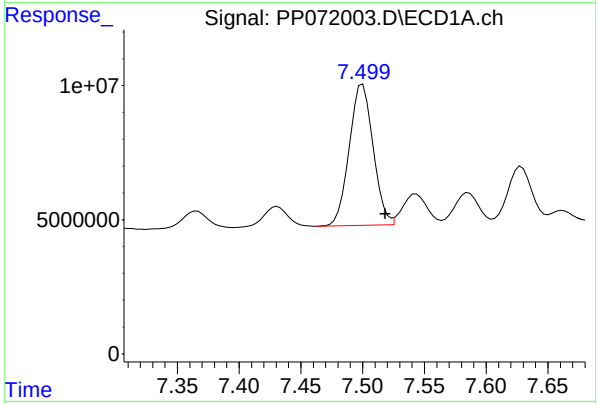
R.T.: 7.246 min
Delta R.T.: -0.018 min
Response: 46814552
Conc: 487.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



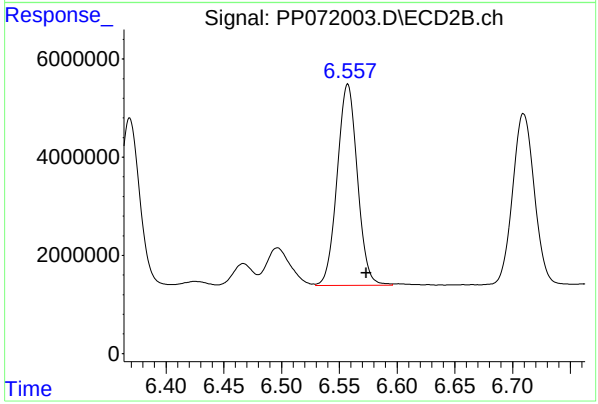
#31 AR-1260-1

R.T.: 6.369 min
Delta R.T.: -0.016 min
Response: 42011324
Conc: 581.08 ng/ml



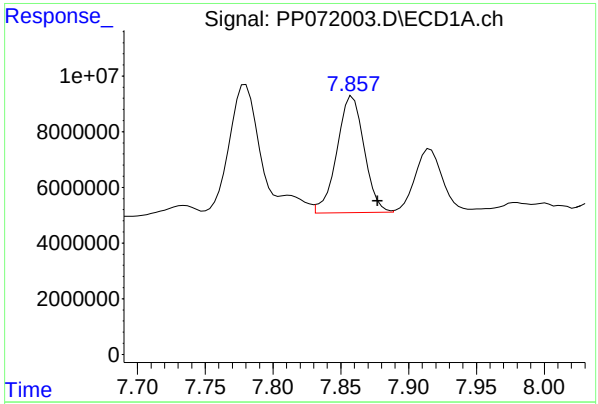
#32 AR-1260-2

R.T.: 7.500 min
Delta R.T.: -0.018 min
Response: 70680701
Conc: 494.00 ng/ml



#32 AR-1260-2

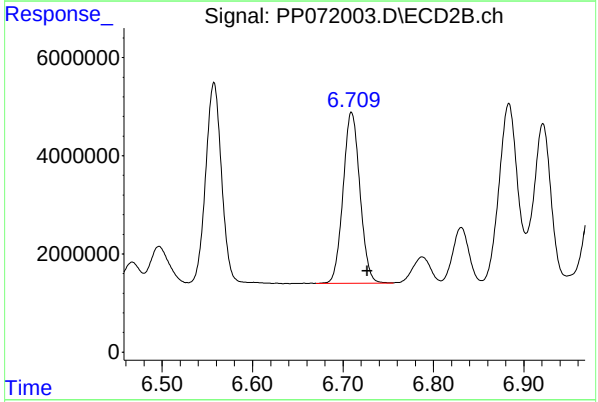
R.T.: 6.557 min
Delta R.T.: -0.016 min
Response: 50131351
Conc: 573.18 ng/ml



#33 AR-1260-3

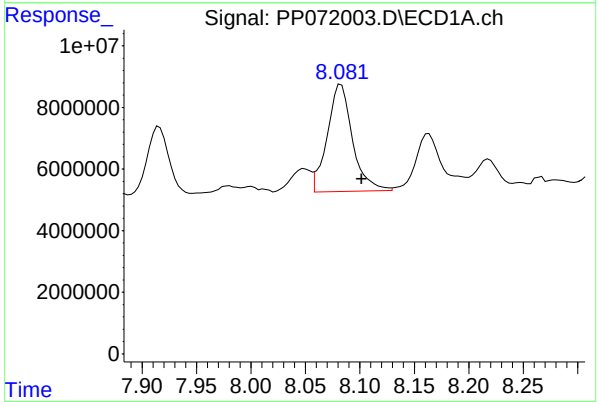
R.T.: 7.859 min
Delta R.T.: -0.018 min
Response: 58452138
Conc: 521.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



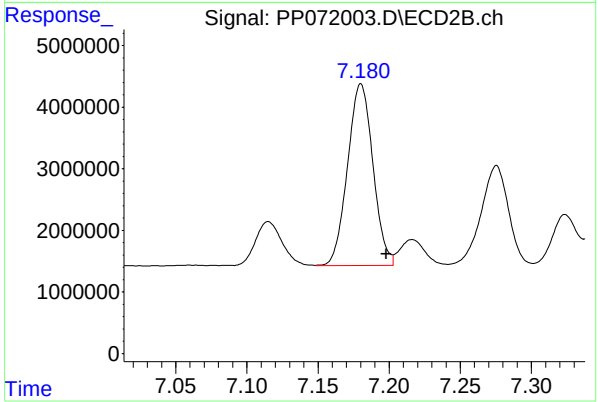
#33 AR-1260-3

R.T.: 6.710 min
Delta R.T.: -0.017 min
Response: 45054009
Conc: 574.76 ng/ml



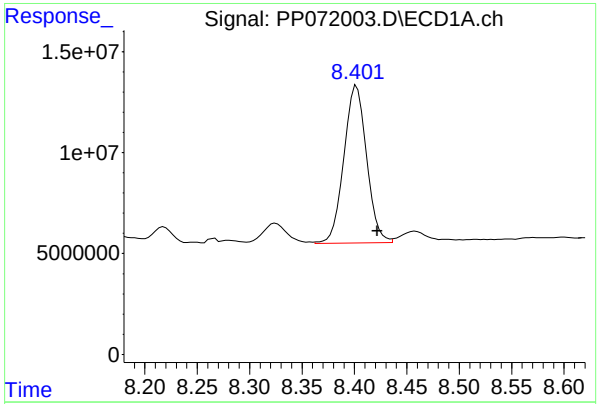
#34 AR-1260-4

R.T.: 8.083 min
Delta R.T.: -0.019 min
Response: 56102615
Conc: 497.08 ng/ml



#34 AR-1260-4

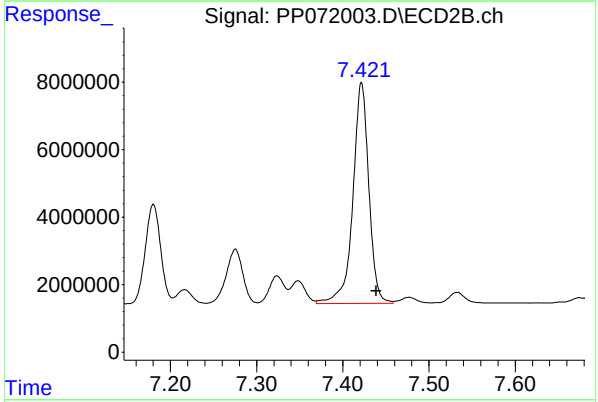
R.T.: 7.180 min
Delta R.T.: -0.018 min
Response: 36654241
Conc: 580.79 ng/ml



#35 AR-1260-5

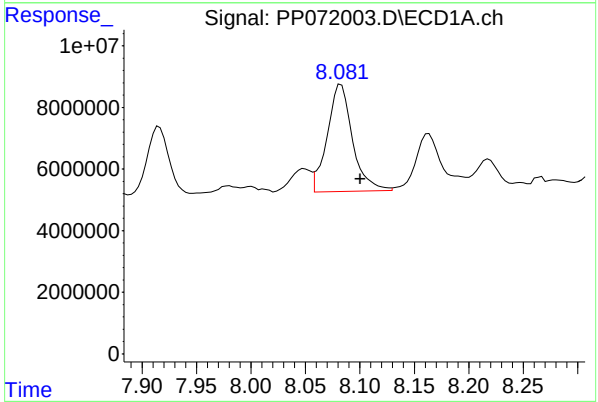
R.T.: 8.402 min
Delta R.T.: -0.020 min
Response: 118497441
Conc: 523.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



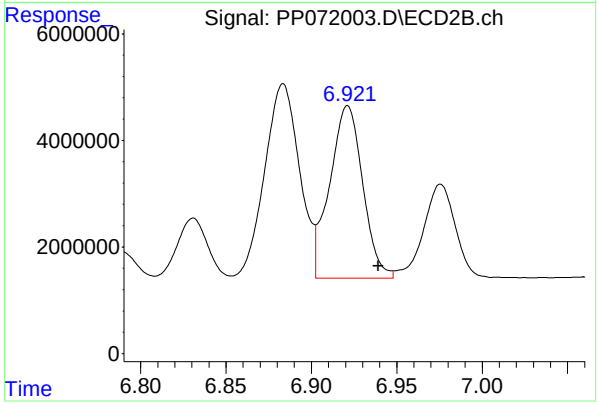
#35 AR-1260-5

R.T.: 7.422 min
Delta R.T.: -0.017 min
Response: 84476146
Conc: 560.27 ng/ml



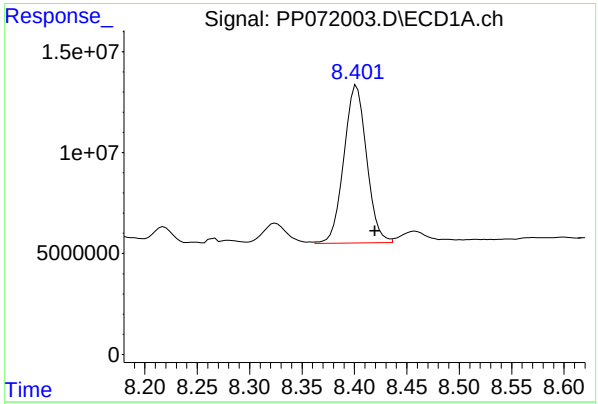
#36 AR-1262-1

R.T.: 8.083 min
Delta R.T.: -0.018 min
Response: 56102615
Conc: 388.28 ng/ml



#36 AR-1262-1

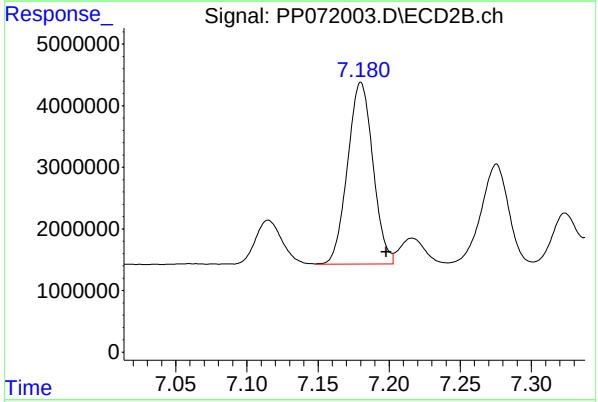
R.T.: 6.921 min
Delta R.T.: -0.018 min
Response: 43583610
Conc: 383.62 ng/ml



#37 AR-1262-2

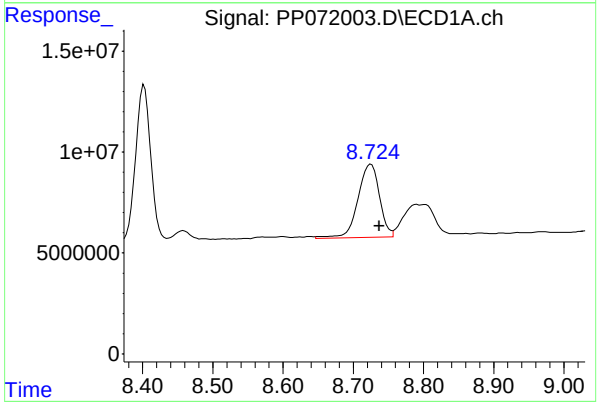
R.T.: 8.402 min
Delta R.T.: -0.018 min
Response: 118497441
Conc: 432.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



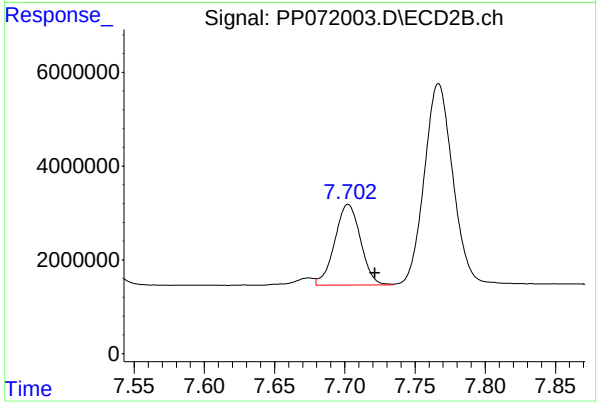
#37 AR-1262-2

R.T.: 7.180 min
Delta R.T.: -0.018 min
Response: 36654241
Conc: 396.95 ng/ml



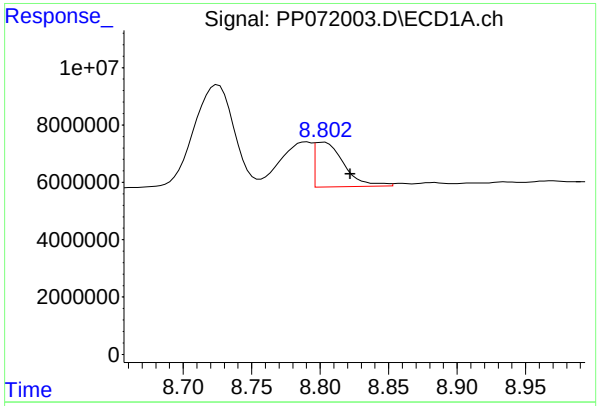
#38 AR-1262-3

R.T.: 8.725 min
Delta R.T.: -0.012 min
Response: 77514364
Conc: 423.86 ng/ml



#38 AR-1262-3

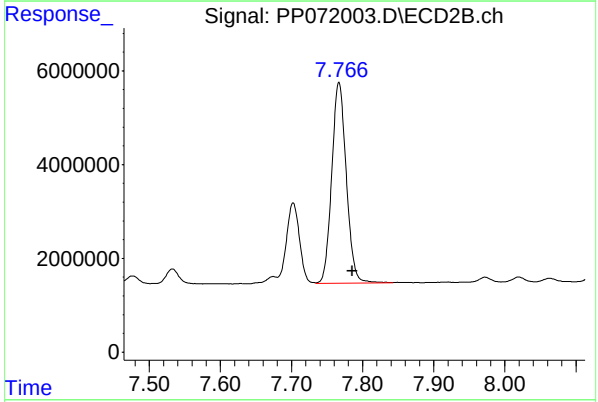
R.T.: 7.702 min
Delta R.T.: -0.019 min
Response: 21994943
Conc: 290.58 ng/ml



#39 AR-1262-4

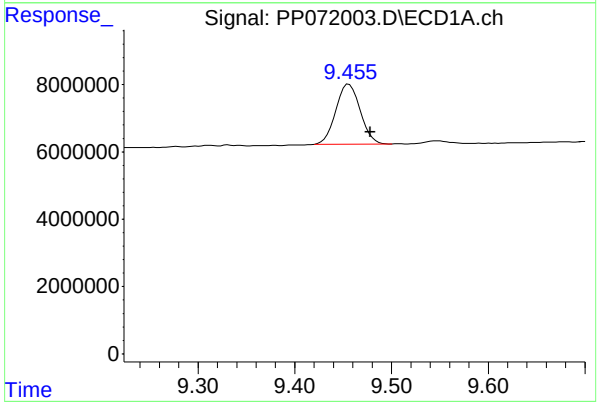
R.T.: 8.802 min
Delta R.T.: -0.020 min
Response: 23176029
Conc: 172.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



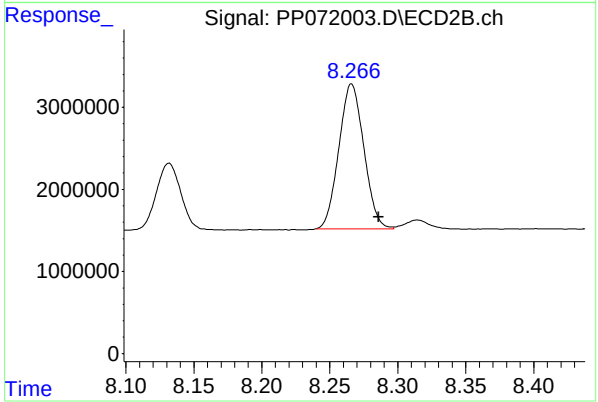
#39 AR-1262-4

R.T.: 7.767 min
Delta R.T.: -0.019 min
Response: 60977033
Conc: 488.50 ng/ml



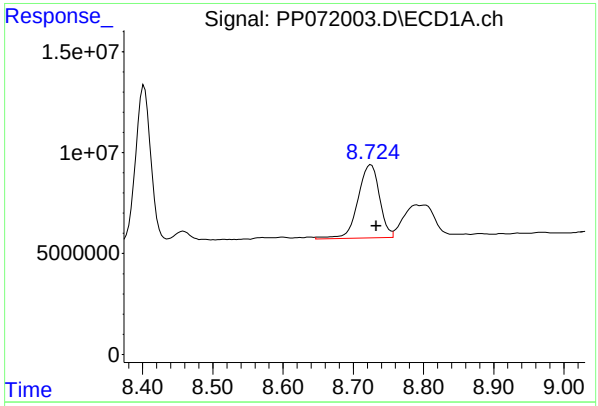
#40 AR-1262-5

R.T.: 9.456 min
Delta R.T.: -0.022 min
Response: 31361235
Conc: 355.72 ng/ml



#40 AR-1262-5

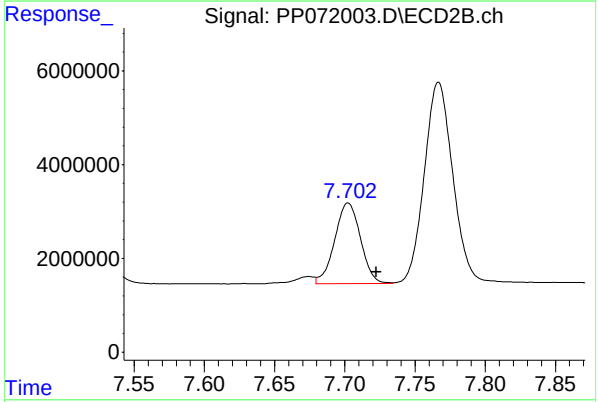
R.T.: 8.266 min
Delta R.T.: -0.020 min
Response: 22637252
Conc: 407.93 ng/ml



#41 AR-1268-1

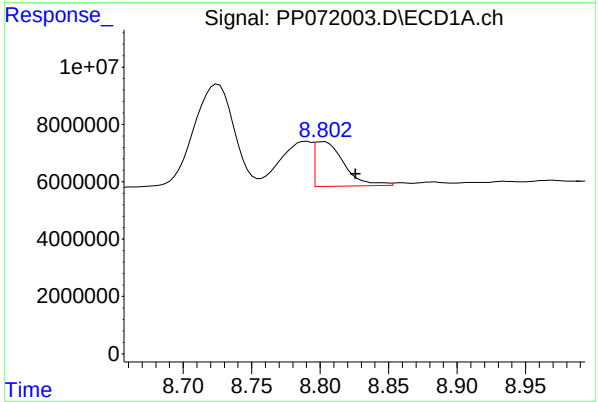
R.T.: 8.725 min
Delta R.T.: -0.007 min
Response: 77514364
Conc: 249.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



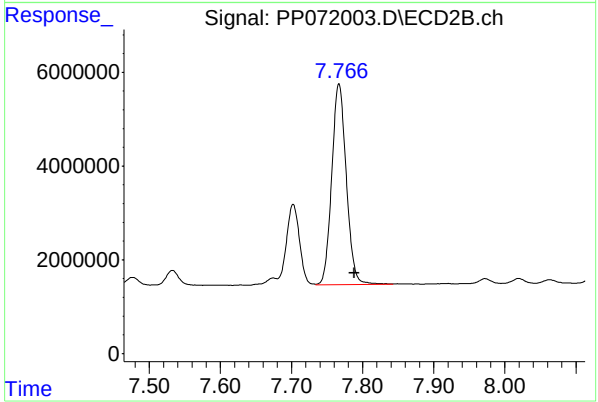
#41 AR-1268-1

R.T.: 7.702 min
Delta R.T.: -0.020 min
Response: 21994943
Conc: 110.14 ng/ml



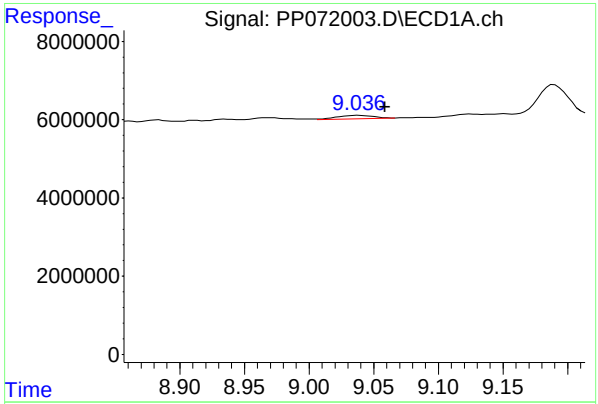
#42 AR-1268-2

R.T.: 8.802 min
Delta R.T.: -0.024 min
Response: 23176029
Conc: 89.92 ng/ml



#42 AR-1268-2

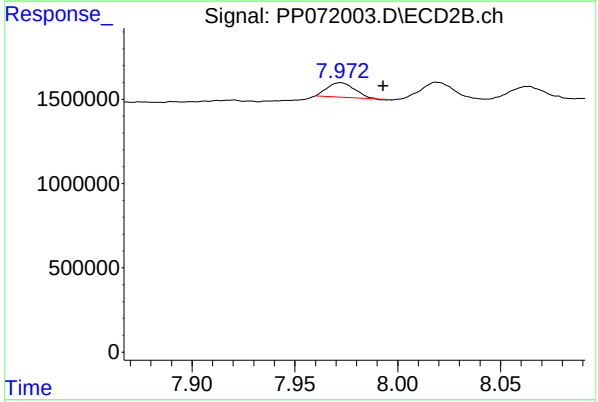
R.T.: 7.767 min
Delta R.T.: -0.022 min
Response: 60977033
Conc: 360.75 ng/ml



#43 AR-1268-3

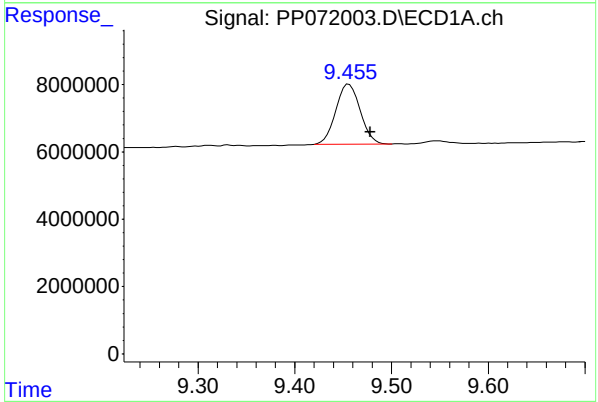
R.T.: 9.038 min
Delta R.T.: -0.021 min
Response: 1726961
Conc: 7.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



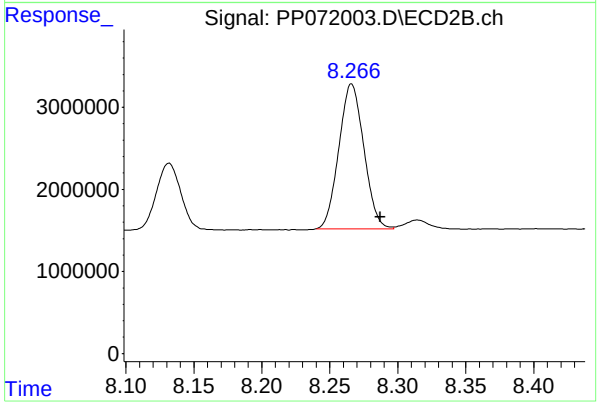
#43 AR-1268-3

R.T.: 7.972 min
Delta R.T.: -0.021 min
Response: 793624
Conc: 5.71 ng/ml



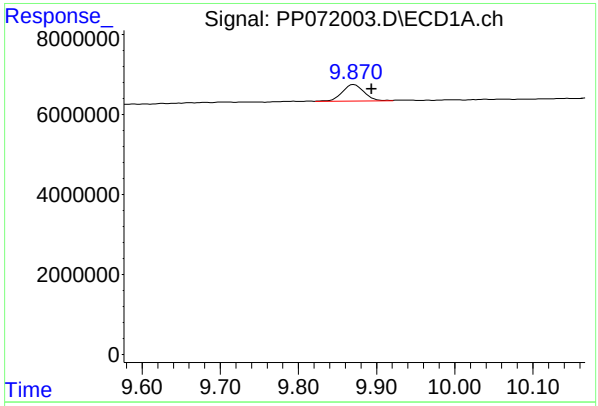
#44 AR-1268-4

R.T.: 9.456 min
Delta R.T.: -0.022 min
Response: 31361235
Conc: 333.42 ng/ml



#44 AR-1268-4

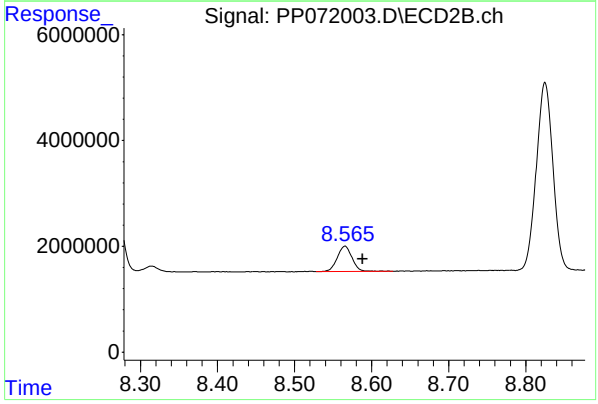
R.T.: 8.266 min
Delta R.T.: -0.021 min
Response: 22637252
Conc: 372.34 ng/ml



#45 AR-1268-5

R.T.: 9.871 min
Delta R.T.: -0.023 min
Response: 7979140
Conc: 13.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.566 min
Delta R.T.: -0.023 min
Response: 6375485
Conc: 17.08 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.502	3.802	33865232	27463538	17.081	19.496	
2)	SA Decachlor...	10.210	8.826	26555232	17912480	18.339	20.423	
	Target Compounds							
3)	L1 AR-1016-1	5.672	4.888	101833	420865	1.519	7.862	#
4)	L1 AR-1016-2	5.688	4.888	91288	420865	0.890	5.511	#
5)	L1 AR-1016-3	5.747	5.126	95596	1047790	1.551	24.823	#
6)	L1 AR-1016-4	5.848	5.126	84576	1047790	1.649	30.383	#
7)	L1 AR-1016-5	6.170	5.358	423911	124403	8.788	2.799	#
8)	L2 AR-1221-1	0.000	4.067f	0	55890	N.D.	2.541	#
9)	L2 AR-1221-2	4.806	4.103	666450	386771	36.990	23.353	#
10)	L2 AR-1221-3	4.878	4.223f	448812	95710	7.928	1.974	#
11)	L3 AR-1232-1	4.878	4.223f	448812	95710	9.993	2.498	#
12)	L3 AR-1232-2	5.405	4.888	164914	420865	7.166	11.021	#
13)	L3 AR-1232-3	5.688	5.126	91288	1047790	1.933	49.482	#
14)	L3 AR-1232-4	5.848	5.156	84576	413154	3.649	22.284	#
15)	L3 AR-1232-5	5.933	5.358	119896	124403	7.426	6.251	
16)	L4 AR-1242-1	5.672	4.888	101833	420865	1.859	9.101	#
17)	L4 AR-1242-2	5.688	4.888	91288	420865	1.074	6.375	#
18)	L4 AR-1242-3	5.747	5.126	95596	1047790	1.870	28.747	#
19)	L4 AR-1242-4	5.848	5.156	84576	413154	2.004	11.570	#
20)	L4 AR-1242-5	6.586	5.711	2447654	2696866	52.876	61.985	
21)	L5 AR-1248-1	5.672	4.888	101833	420865	2.372	11.656	#
22)	L5 AR-1248-2	5.933	5.126	119896	1047790	1.984	21.400	#
23)	L5 AR-1248-3	6.170	5.156	423911	413154	6.347	8.088	#
24)	L5 AR-1248-4	6.547	5.358	1328126	124403	15.697	2.051	#
25)	L5 AR-1248-5	6.586	5.711	2447654	2696866	30.808	46.266	#
26)	L6 AR-1254-1	6.510	5.711	1861412	2696866	22.714	29.506	#
27)	L6 AR-1254-2	6.730	5.825	2595840	316476	20.427	4.021	#
28)	L6 AR-1254-3	7.101	6.255	1163063	964180	9.102	8.136	
29)	L6 AR-1254-4	7.362	6.478	2165901	1284670	18.431	16.648	
30)	L6 AR-1254-5	7.826	6.900	368326	45320	3.419	0.447	#
31)	L7 AR-1260-1	7.256	6.378	2939159	170106	30.608	2.353	#
32)	L7 AR-1260-2	7.518	6.581	1240535	248304	8.670	2.839	#
33)	L7 AR-1260-3	7.922f	6.726	3453218	79470	30.804	1.014	#
34)	L7 AR-1260-4	0.000	7.211	0	258644	N.D.	4.098	#
35)	L7 AR-1260-5	8.442	7.431	5312204	62395	23.446	0.414	#
36)	L8 AR-1262-1	0.000	6.960	0	86591	N.D.	0.762	#
37)	L8 AR-1262-2	8.442	7.211	5312204	258644	19.374	2.801	#
38)	L8 AR-1262-3	8.736	7.733	3785149	247287	20.698	3.267	#
39)	L8 AR-1262-4	8.808	7.806	911046	468520	6.788	3.753	#
40)	L8 AR-1262-5	9.512	8.299	159020	250180	1.804	4.508	#
41)	L9 AR-1268-1	8.736	7.733	3785149	247287	12.183	1.238	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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	
42)	L9 AR-1268-2	8.808	7.806	911046	468520	3.535	2.772	
43)	L9 AR-1268-3	9.068	8.011	2284113	47572	10.247	0.342	#
44)	L9 AR-1268-4	9.512	8.299	159020	250180	1.691	4.115	#
45)	L9 AR-1268-5	9.901	8.567	332458	192347	0.556	0.515	

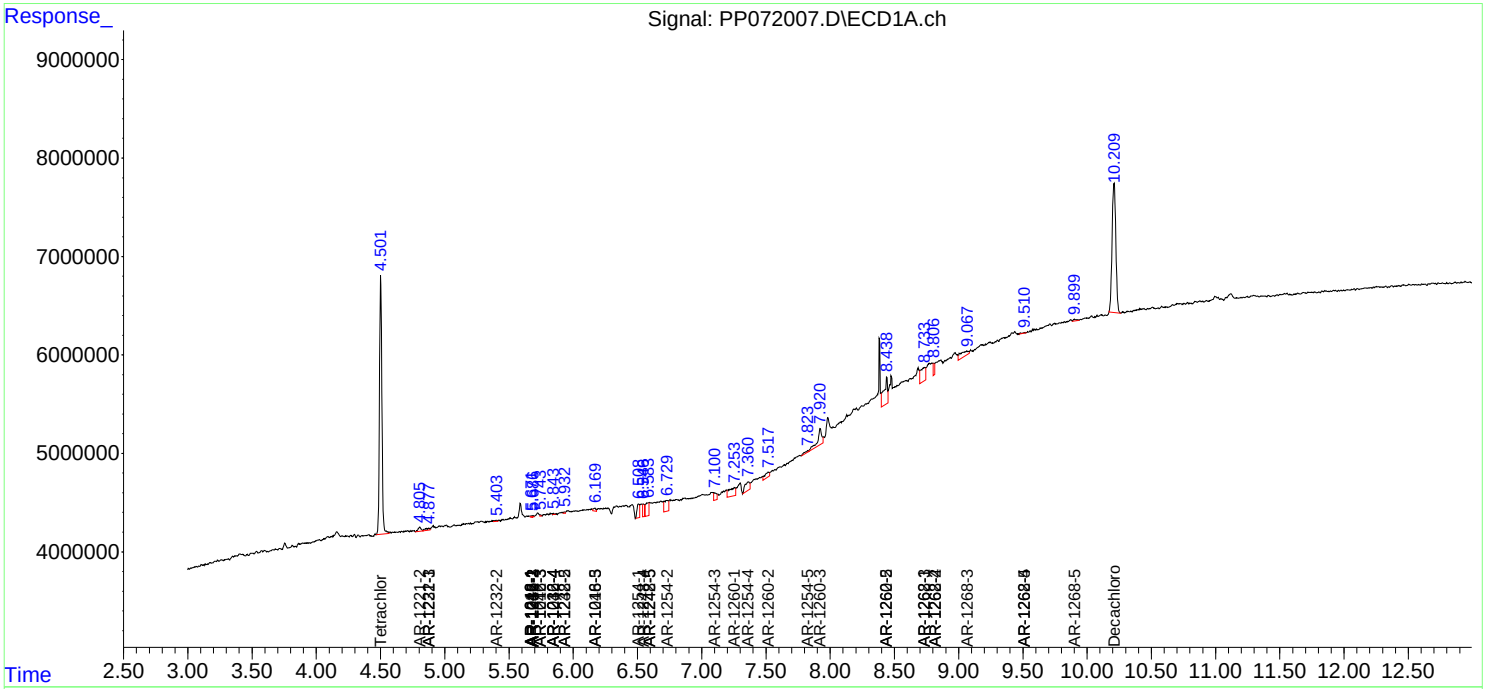
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

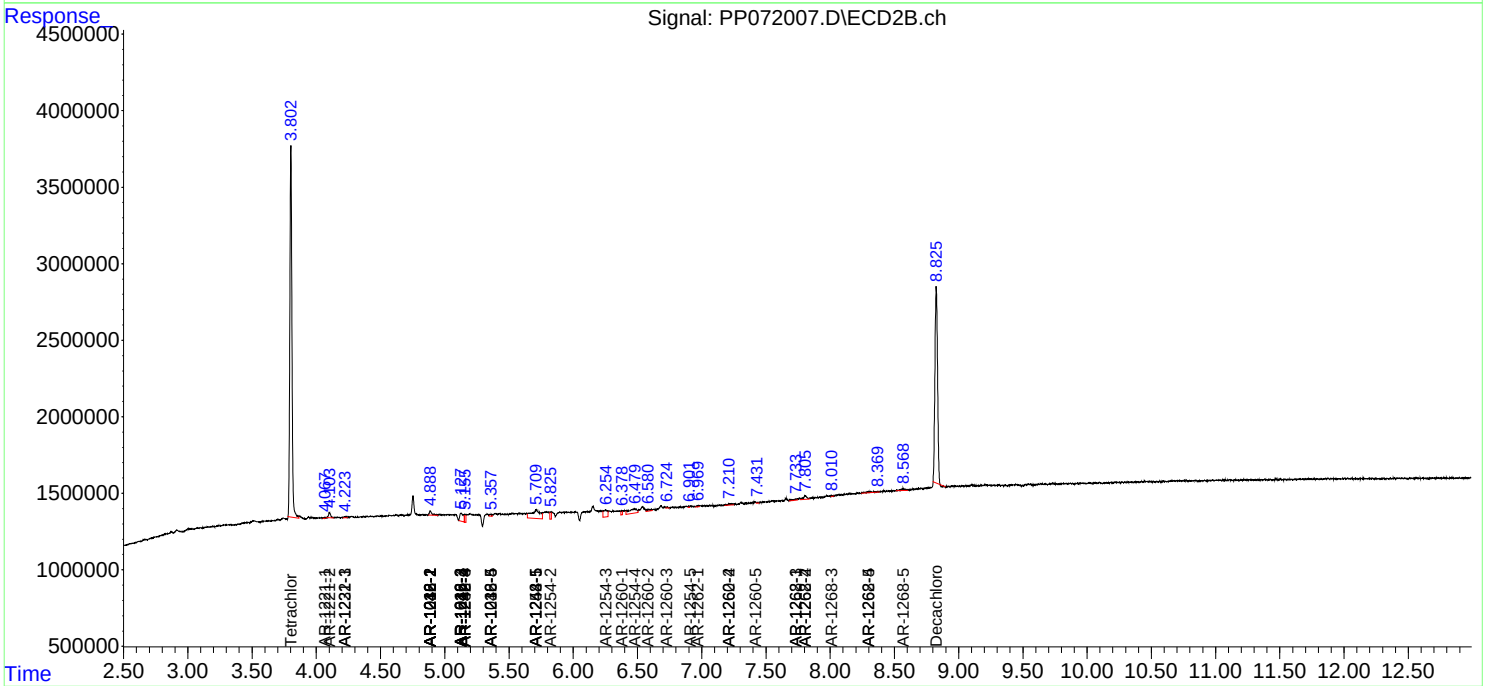
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

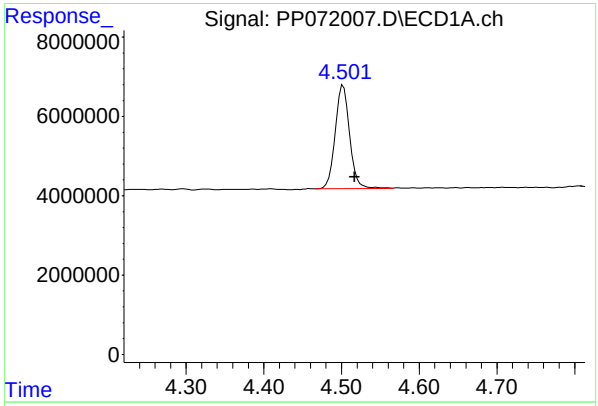
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



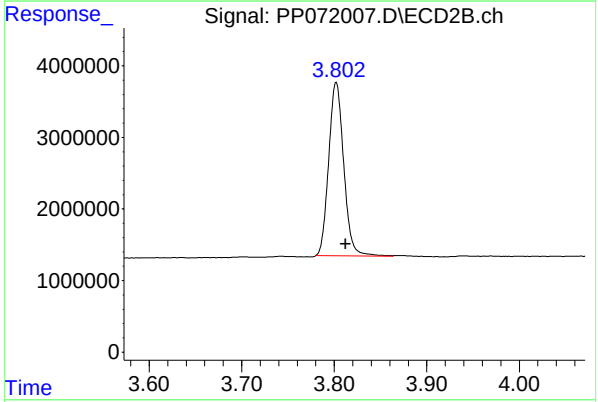




#1 Tetrachloro-m-xylene

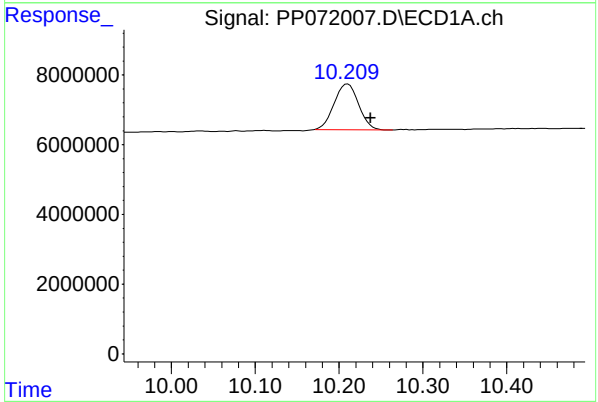
R.T.: 4.502 min
Delta R.T.: -0.015 min
Response: 33865232
Conc: 17.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



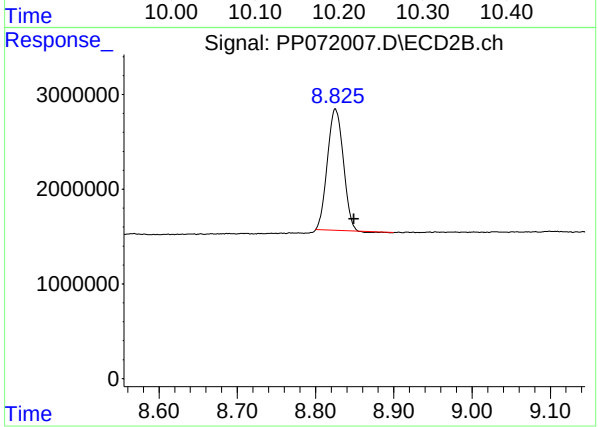
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.010 min
Response: 27463538
Conc: 19.50 ng/ml



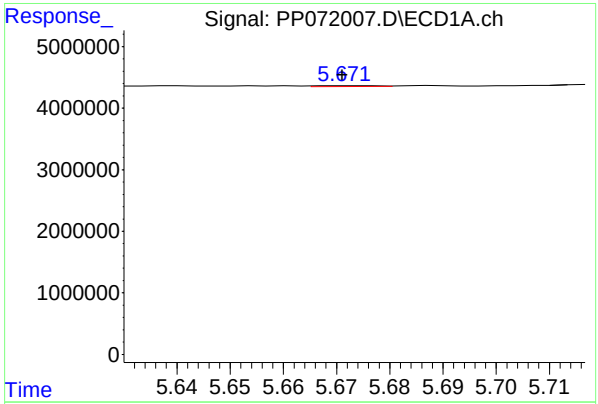
#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.027 min
Response: 26555232
Conc: 18.34 ng/ml



#2 Decachlorobiphenyl

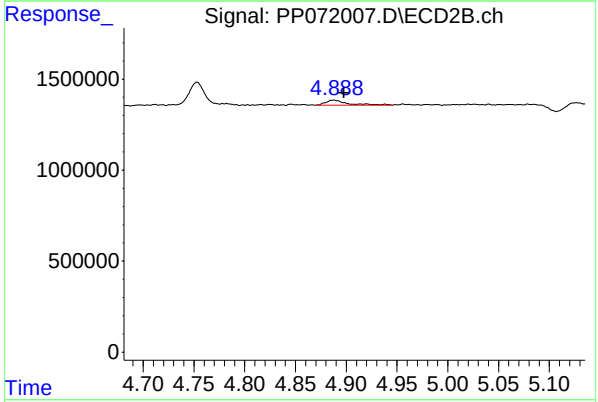
R.T.: 8.826 min
Delta R.T.: -0.024 min
Response: 17912480
Conc: 20.42 ng/ml



#3 AR-1016-1

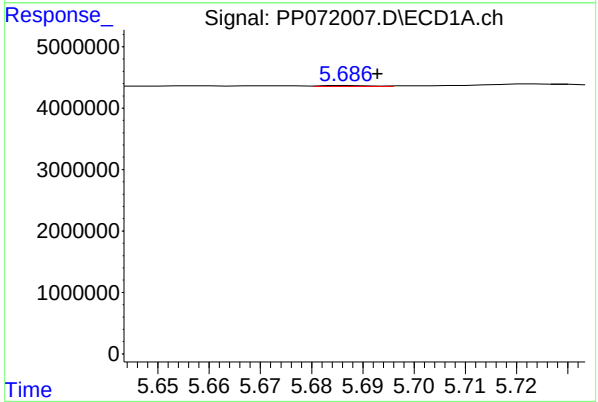
R.T.: 5.672 min
Delta R.T.: 0.001 min
Response: 101833
Conc: 1.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



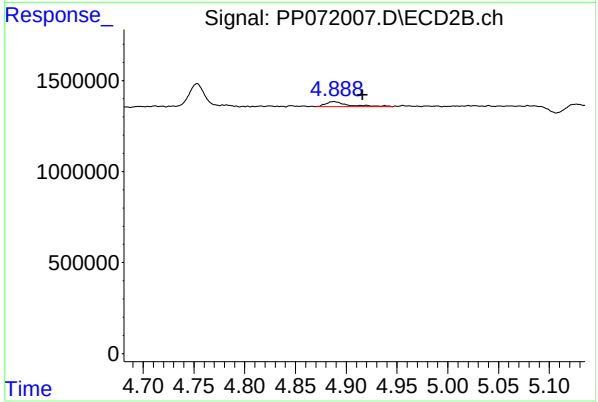
#3 AR-1016-1

R.T.: 4.888 min
Delta R.T.: -0.010 min
Response: 420865
Conc: 7.86 ng/ml



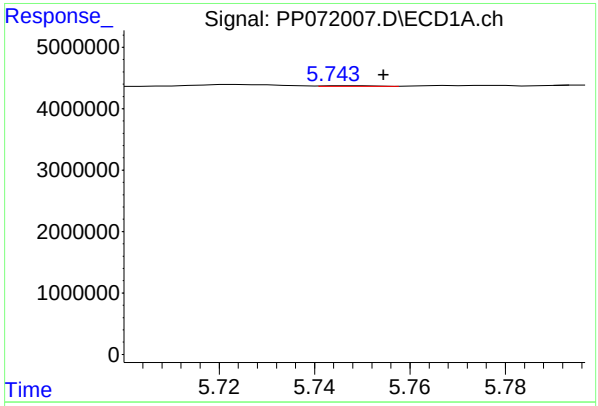
#4 AR-1016-2

R.T.: 5.688 min
Delta R.T.: -0.005 min
Response: 91288
Conc: 0.89 ng/ml



#4 AR-1016-2

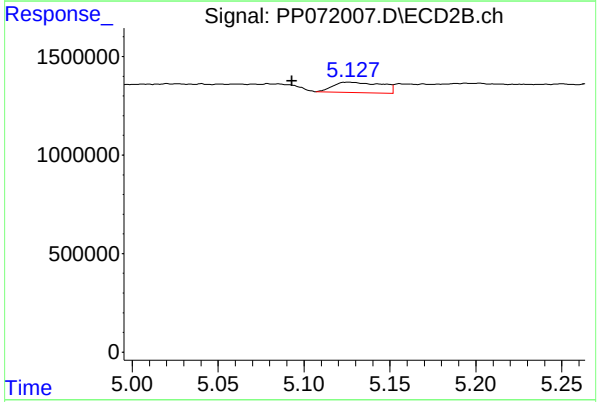
R.T.: 4.888 min
Delta R.T.: -0.029 min
Response: 420865
Conc: 5.51 ng/ml



#5 AR-1016-3

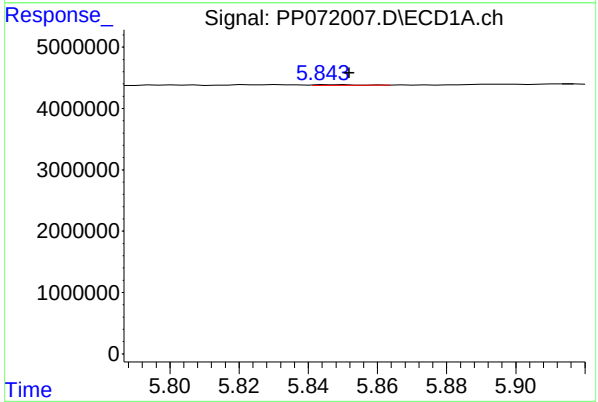
R.T.: 5.747 min
Delta R.T.: -0.008 min
Response: 95596
Conc: 1.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



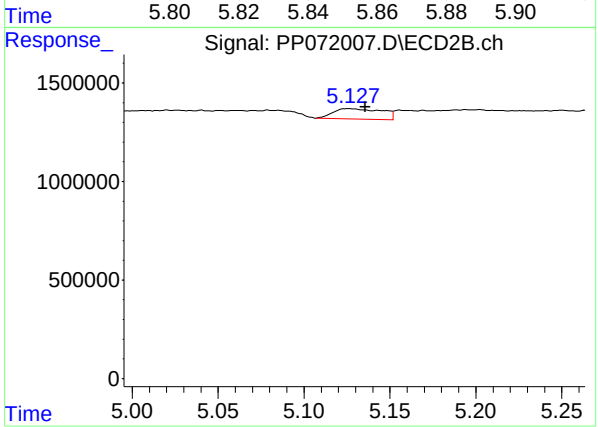
#5 AR-1016-3

R.T.: 5.126 min
Delta R.T.: 0.033 min
Response: 1047790
Conc: 24.82 ng/ml



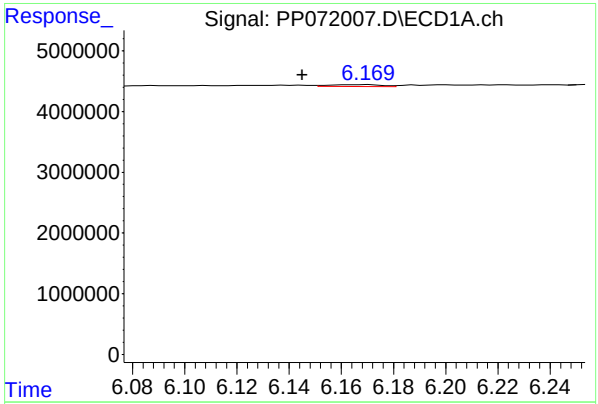
#6 AR-1016-4

R.T.: 5.848 min
Delta R.T.: -0.004 min
Response: 84576
Conc: 1.65 ng/ml



#6 AR-1016-4

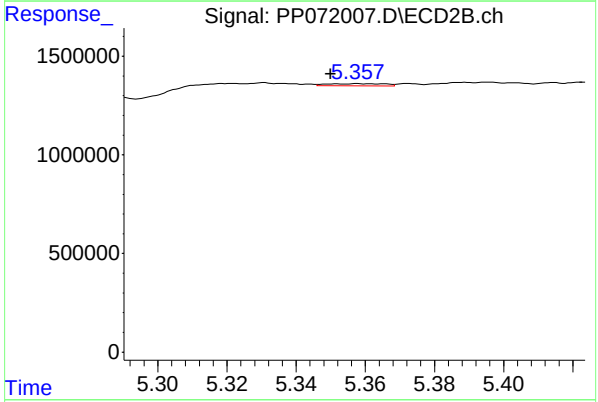
R.T.: 5.126 min
Delta R.T.: -0.009 min
Response: 1047790
Conc: 30.38 ng/ml



#7 AR-1016-5

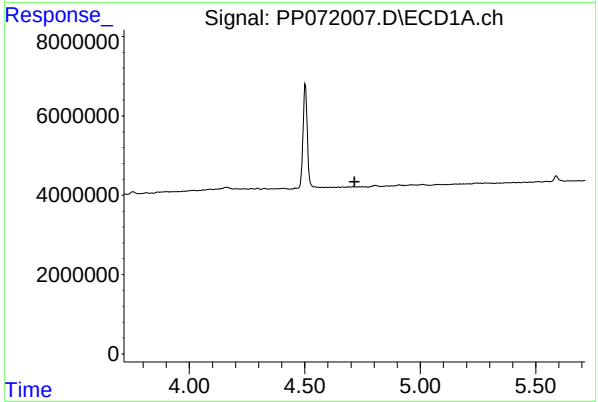
R.T.: 6.170 min
Delta R.T.: 0.025 min
Response: 423911
Conc: 8.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



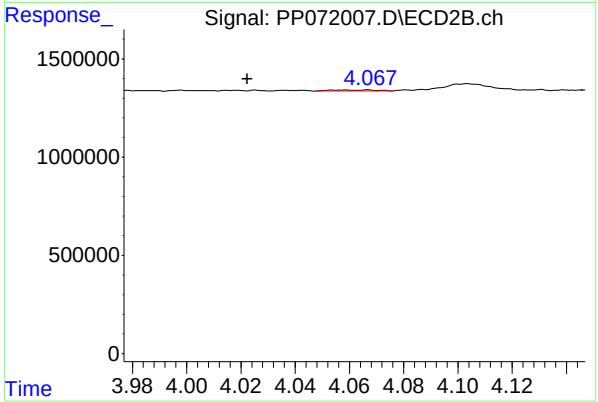
#7 AR-1016-5

R.T.: 5.358 min
Delta R.T.: 0.008 min
Response: 124403
Conc: 2.80 ng/ml



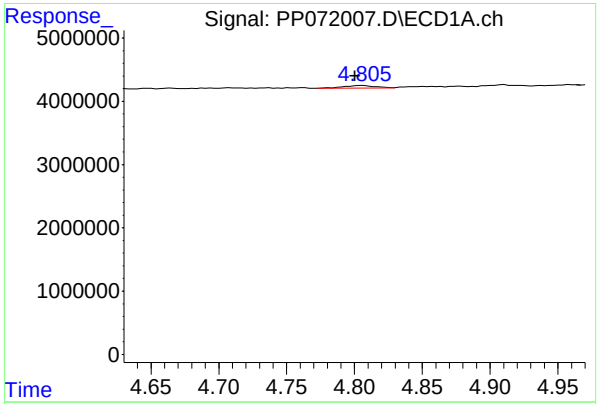
#8 AR-1221-1

R.T.: 0.000 min
Exp R.T. : 4.715 min
Response: 0
Conc: N.D.



#8 AR-1221-1

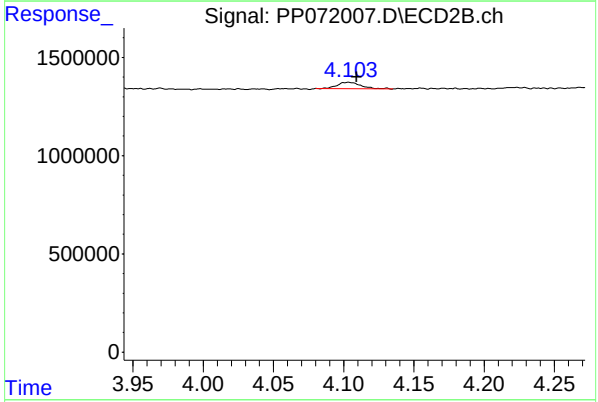
R.T.: 4.067 min
Delta R.T.: 0.045 min
Response: 55890
Conc: 2.54 ng/ml



#9 AR-1221-2

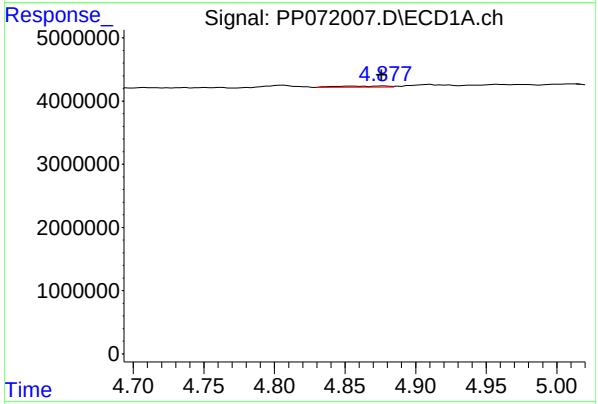
R.T.: 4.806 min
Delta R.T.: 0.006 mi
Response: 666450
Conc: 36.99 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



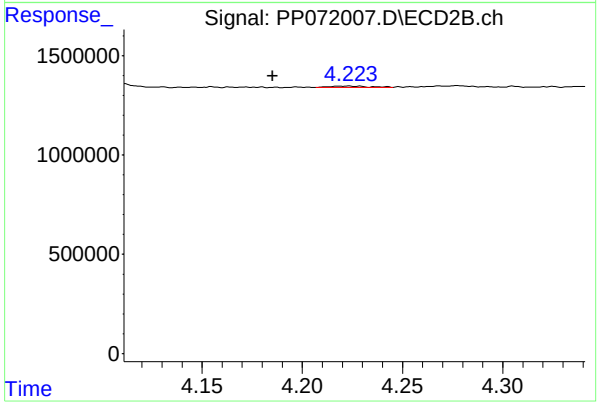
#9 AR-1221-2

R.T.: 4.103 min
Delta R.T.: -0.006 min
Response: 386771
Conc: 23.35 ng/ml



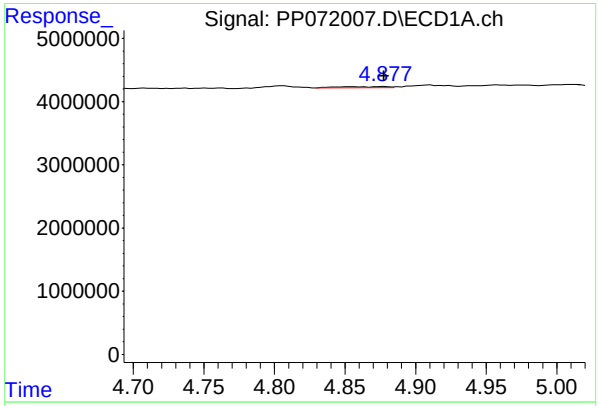
#10 AR-1221-3

R.T.: 4.878 min
Delta R.T.: 0.002 min
Response: 448812
Conc: 7.93 ng/ml



#10 AR-1221-3

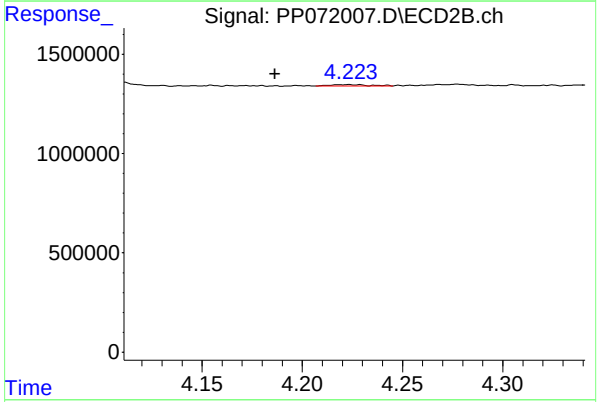
R.T.: 4.223 min
Delta R.T.: 0.038 min
Response: 95710
Conc: 1.97 ng/ml



#11 AR-1232-1

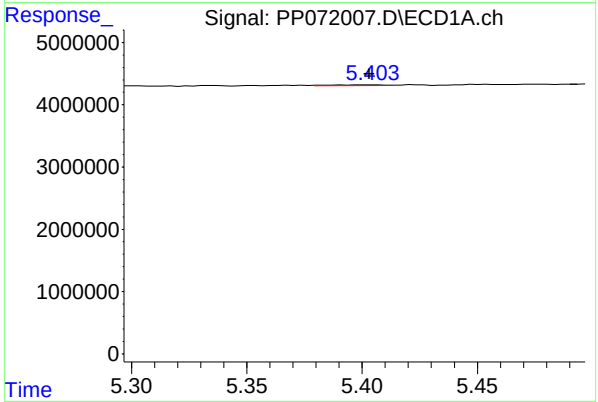
R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 448812
Conc: 9.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



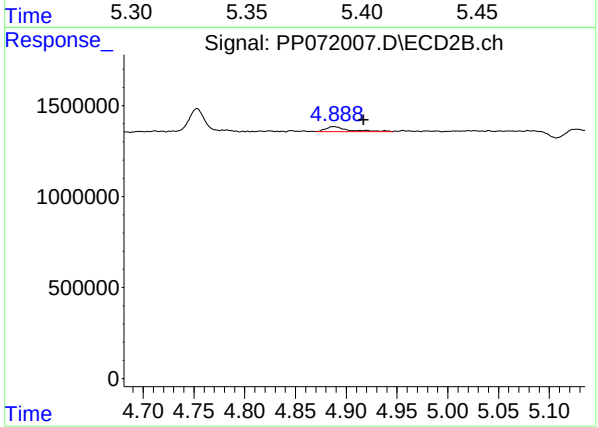
#11 AR-1232-1

R.T.: 4.223 min
Delta R.T.: 0.037 min
Response: 95710
Conc: 2.50 ng/ml



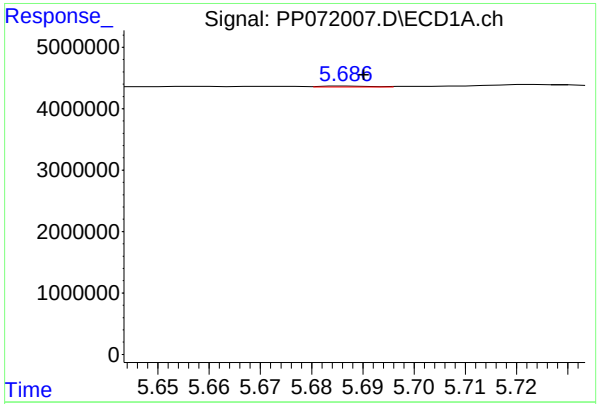
#12 AR-1232-2

R.T.: 5.405 min
Delta R.T.: 0.002 min
Response: 164914
Conc: 7.17 ng/ml



#12 AR-1232-2

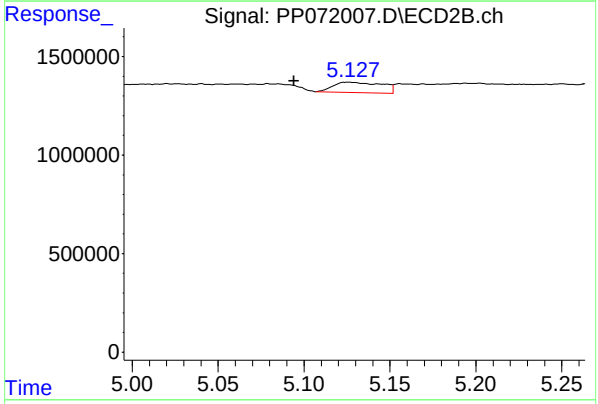
R.T.: 4.888 min
Delta R.T.: -0.030 min
Response: 420865
Conc: 11.02 ng/ml



#13 AR-1232-3

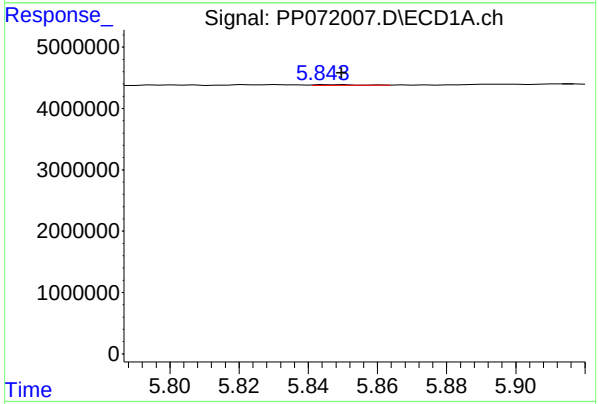
R.T.: 5.688 min
Delta R.T.: -0.003 min
Response: 91288
Conc: 1.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



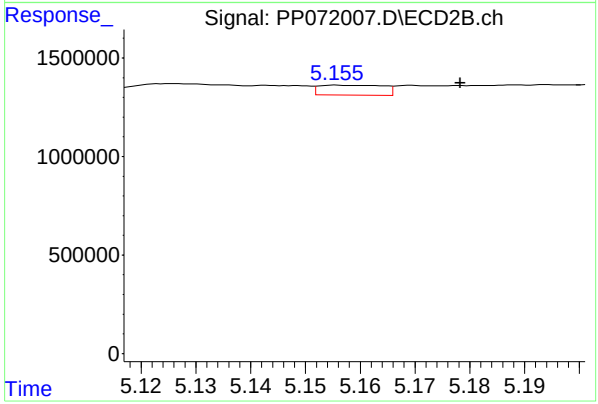
#13 AR-1232-3

R.T.: 5.126 min
Delta R.T.: 0.032 min
Response: 1047790
Conc: 49.48 ng/ml



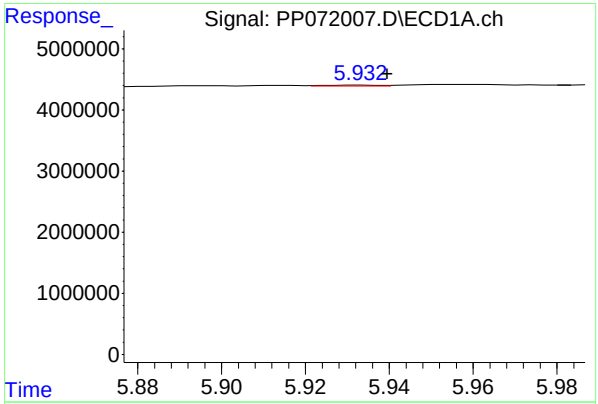
#14 AR-1232-4

R.T.: 5.848 min
Delta R.T.: -0.001 min
Response: 84576
Conc: 3.65 ng/ml



#14 AR-1232-4

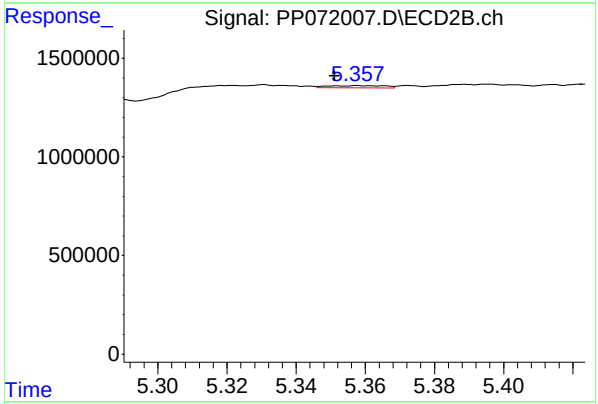
R.T.: 5.156 min
Delta R.T.: -0.022 min
Response: 413154
Conc: 22.28 ng/ml



#15 AR-1232-5

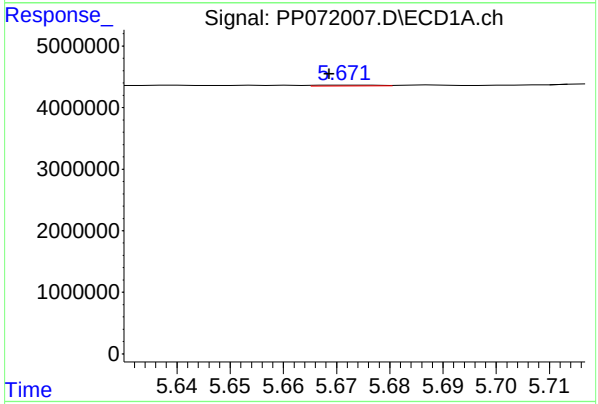
R.T.: 5.933 min
Delta R.T.: -0.006 mi
Response: 119896
Conc: 7.43 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



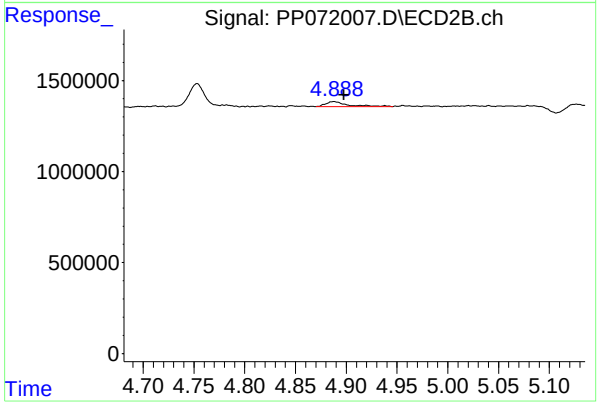
#15 AR-1232-5

R.T.: 5.358 min
Delta R.T.: 0.007 min
Response: 124403
Conc: 6.25 ng/ml



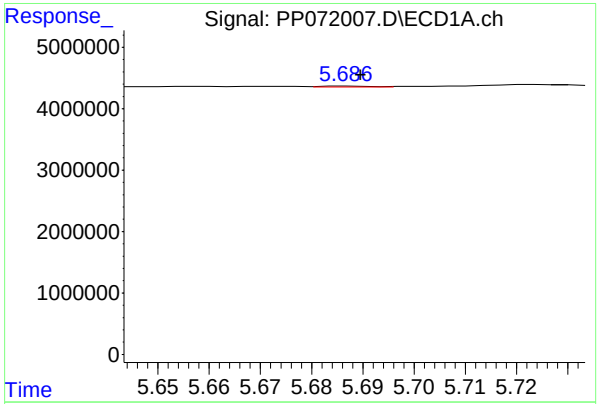
#16 AR-1242-1

R.T.: 5.672 min
Delta R.T.: 0.004 min
Response: 101833
Conc: 1.86 ng/ml



#16 AR-1242-1

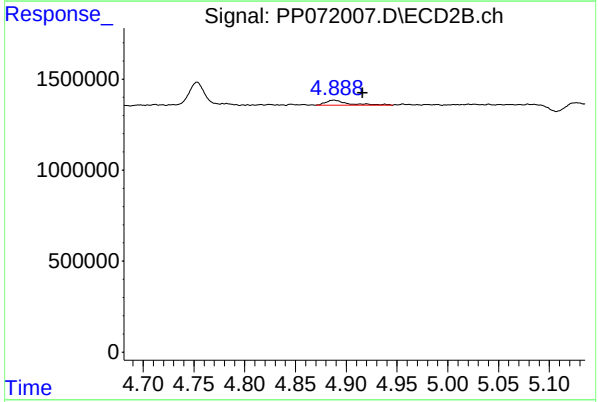
R.T.: 4.888 min
Delta R.T.: -0.010 min
Response: 420865
Conc: 9.10 ng/ml



#17 AR-1242-2

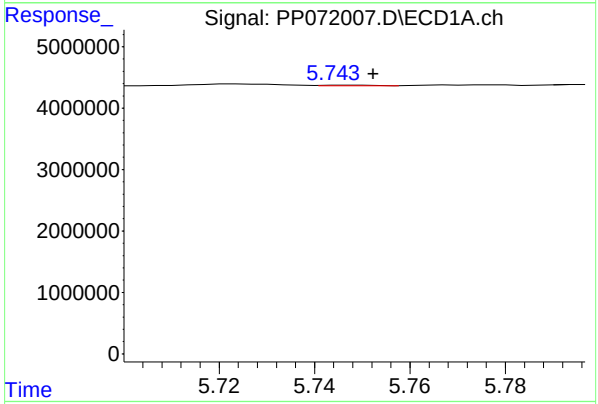
R.T.: 5.688 min
Delta R.T.: -0.002 mi
Response: 91288
Conc: 1.07 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



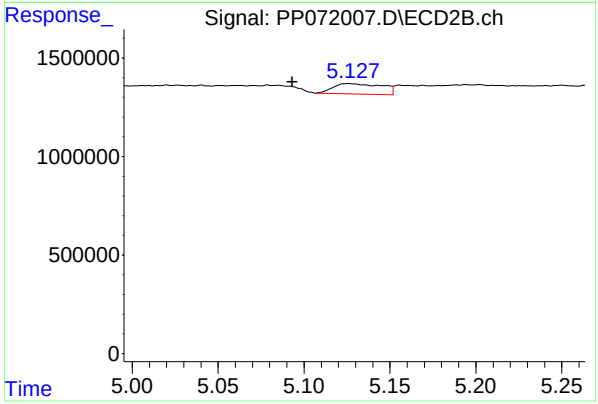
#17 AR-1242-2

R.T.: 4.888 min
Delta R.T.: -0.029 min
Response: 420865
Conc: 6.37 ng/ml



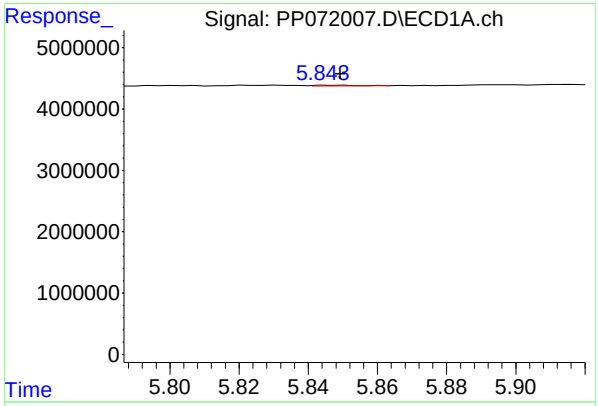
#18 AR-1242-3

R.T.: 5.747 min
Delta R.T.: -0.006 min
Response: 95596
Conc: 1.87 ng/ml



#18 AR-1242-3

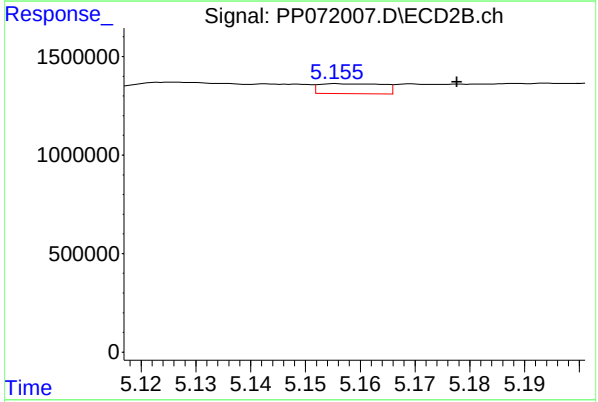
R.T.: 5.126 min
Delta R.T.: 0.033 min
Response: 1047790
Conc: 28.75 ng/ml



#19 AR-1242-4

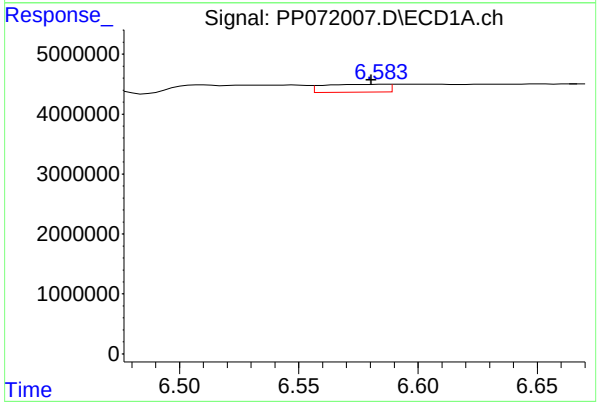
R.T.: 5.848 min
Delta R.T.: 0.000 min
Response: 84576
Conc: 2.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



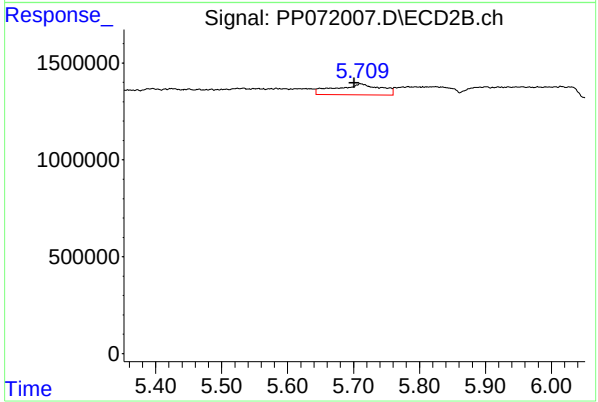
#19 AR-1242-4

R.T.: 5.156 min
Delta R.T.: -0.022 min
Response: 413154
Conc: 11.57 ng/ml



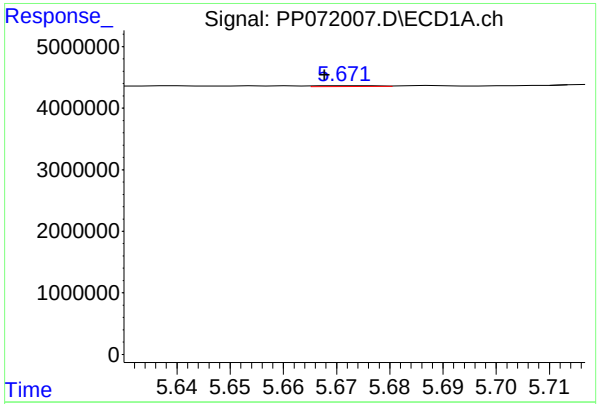
#20 AR-1242-5

R.T.: 6.586 min
Delta R.T.: 0.005 min
Response: 2447654
Conc: 52.88 ng/ml



#20 AR-1242-5

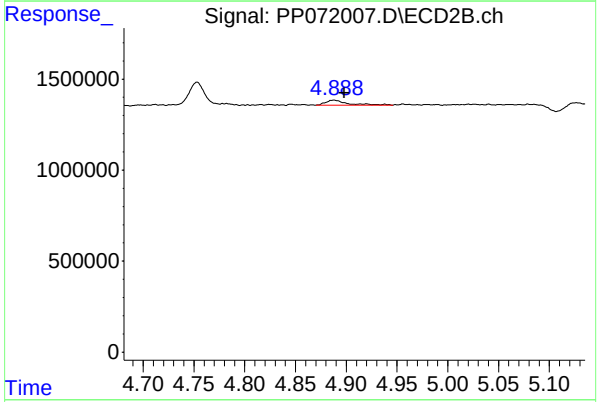
R.T.: 5.711 min
Delta R.T.: 0.010 min
Response: 2696866
Conc: 61.99 ng/ml



#21 AR-1248-1

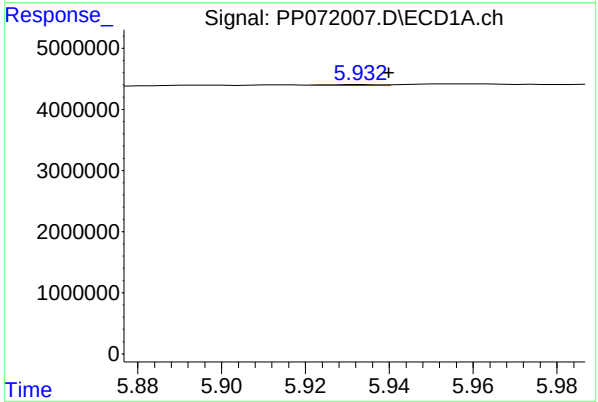
R.T.: 5.672 min
Delta R.T.: 0.005 mi
Response: 101833
Conc: 2.37 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



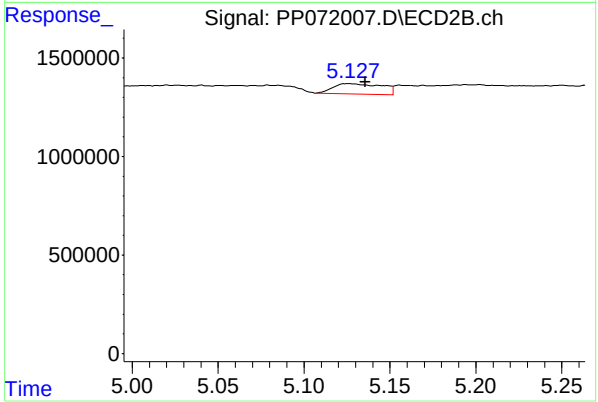
#21 AR-1248-1

R.T.: 4.888 min
Delta R.T.: -0.010 min
Response: 420865
Conc: 11.66 ng/ml



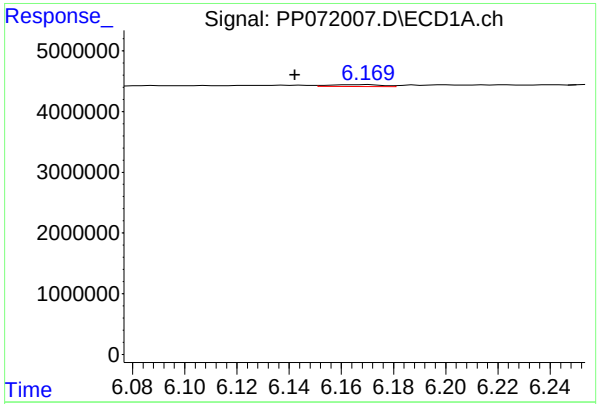
#22 AR-1248-2

R.T.: 5.933 min
Delta R.T.: -0.007 min
Response: 119896
Conc: 1.98 ng/ml



#22 AR-1248-2

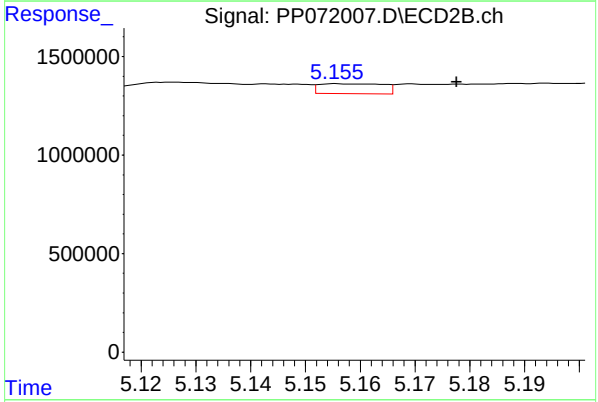
R.T.: 5.126 min
Delta R.T.: -0.009 min
Response: 1047790
Conc: 21.40 ng/ml



#23 AR-1248-3

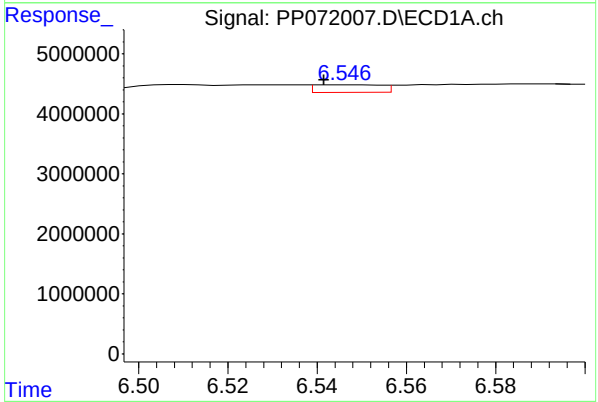
R.T.: 6.170 min
Delta R.T.: 0.028 mi
Response: 423911
Conc: 6.35 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



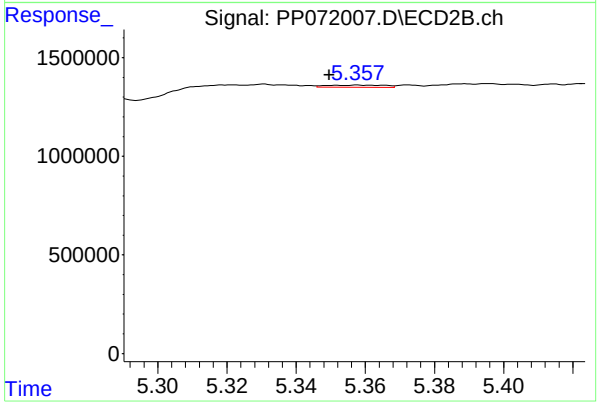
#23 AR-1248-3

R.T.: 5.156 min
Delta R.T.: -0.022 min
Response: 413154
Conc: 8.09 ng/ml



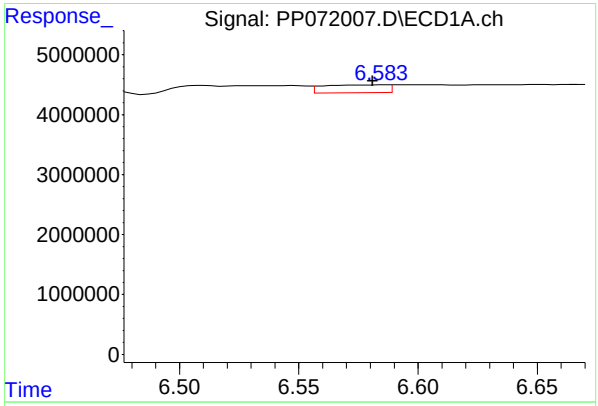
#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: 0.005 min
Response: 1328126
Conc: 15.70 ng/ml



#24 AR-1248-4

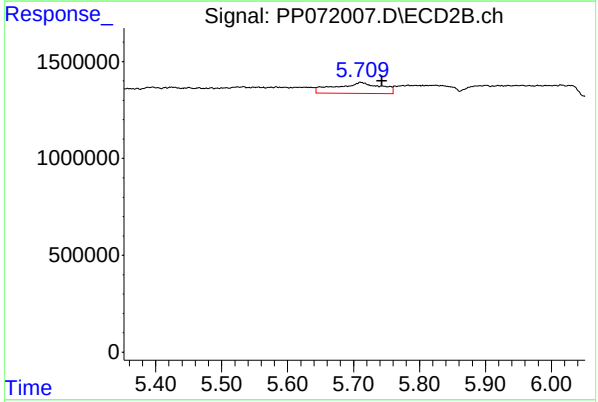
R.T.: 5.358 min
Delta R.T.: 0.008 min
Response: 124403
Conc: 2.05 ng/ml



#25 AR-1248-5

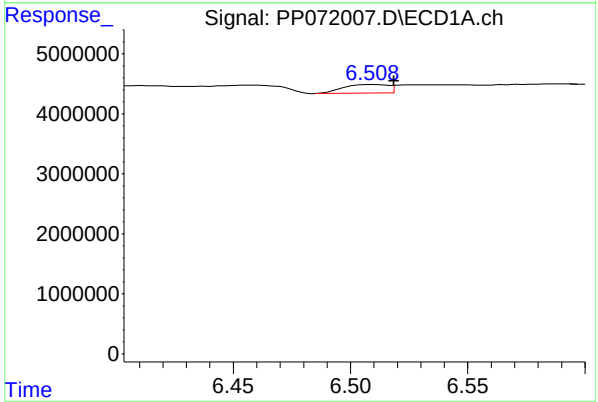
R.T.: 6.586 min
Delta R.T.: 0.005 min
Response: 2447654
Conc: 30.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



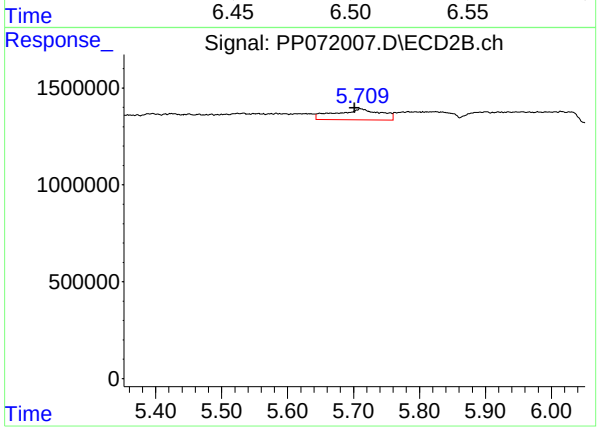
#25 AR-1248-5

R.T.: 5.711 min
Delta R.T.: -0.033 min
Response: 2696866
Conc: 46.27 ng/ml



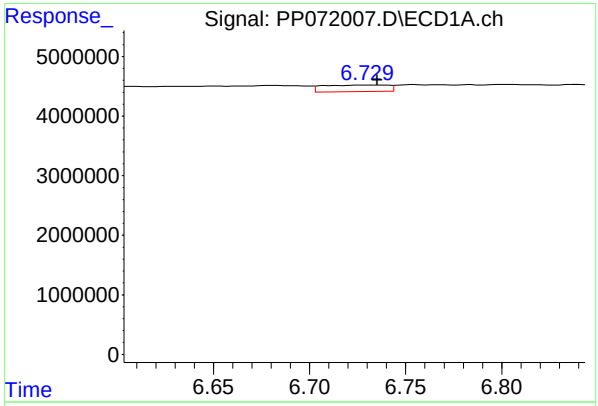
#26 AR-1254-1

R.T.: 6.510 min
Delta R.T.: -0.009 min
Response: 1861412
Conc: 22.71 ng/ml



#26 AR-1254-1

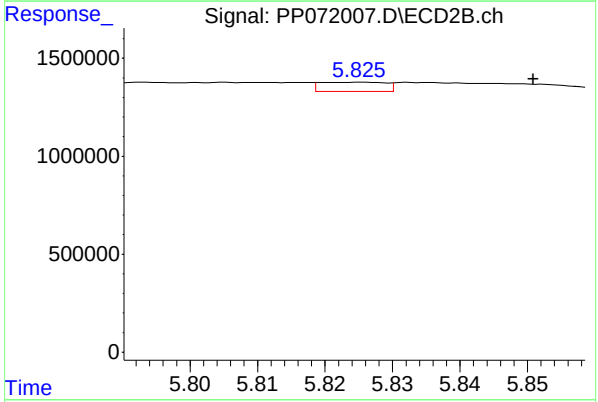
R.T.: 5.711 min
Delta R.T.: 0.009 min
Response: 2696866
Conc: 29.51 ng/ml



#27 AR-1254-2

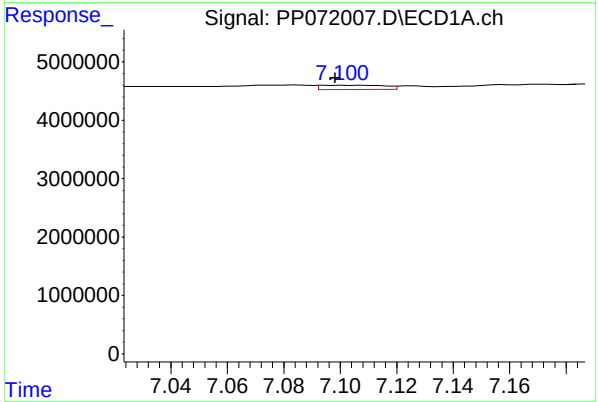
R.T.: 6.730 min
Delta R.T.: -0.006 min
Response: 2595840
Conc: 20.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



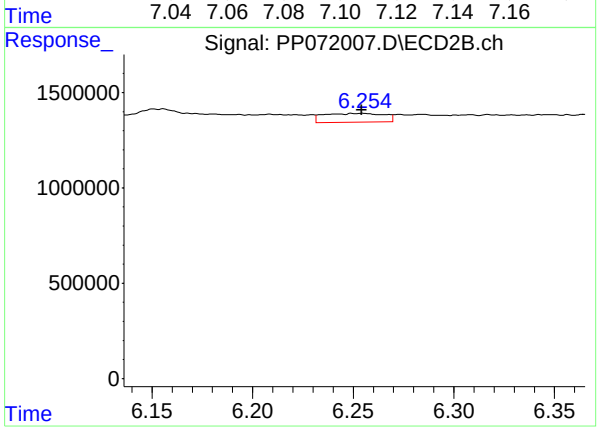
#27 AR-1254-2

R.T.: 5.825 min
Delta R.T.: -0.026 min
Response: 316476
Conc: 4.02 ng/ml



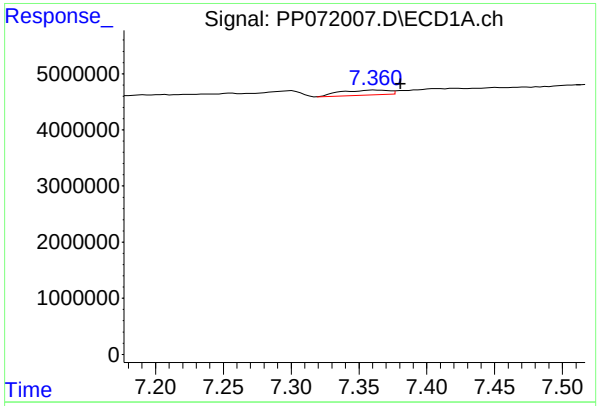
#28 AR-1254-3

R.T.: 7.101 min
Delta R.T.: 0.003 min
Response: 1163063
Conc: 9.10 ng/ml



#28 AR-1254-3

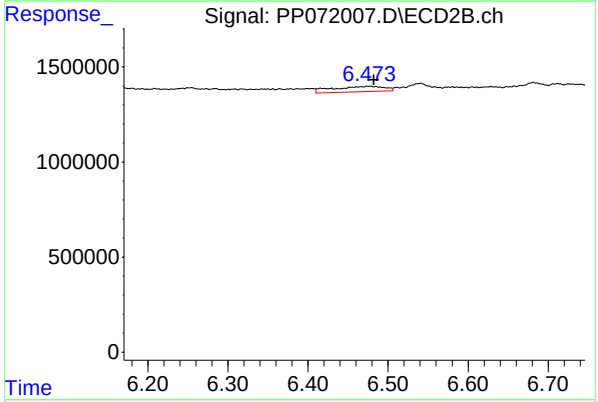
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 964180
Conc: 8.14 ng/ml



#29 AR-1254-4

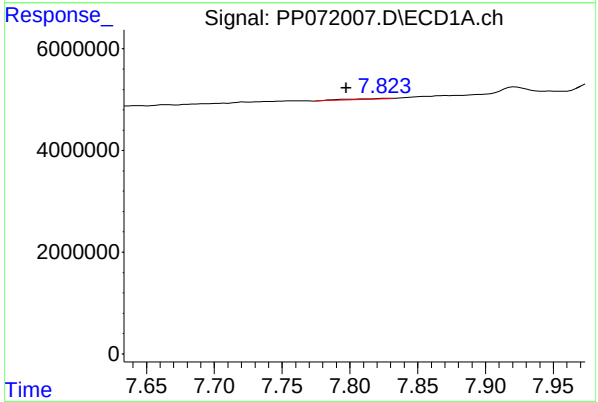
R.T.: 7.362 min
Delta R.T.: -0.019 min
Response: 2165901
Conc: 18.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



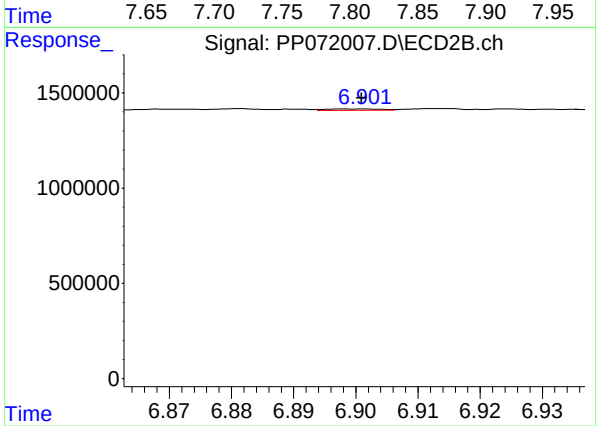
#29 AR-1254-4

R.T.: 6.478 min
Delta R.T.: -0.004 min
Response: 1284670
Conc: 16.65 ng/ml



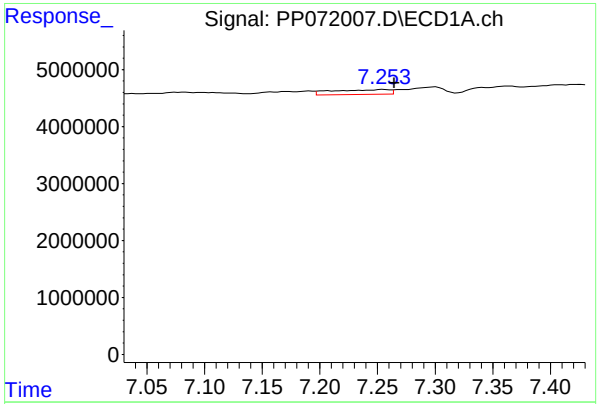
#30 AR-1254-5

R.T.: 7.826 min
Delta R.T.: 0.029 min
Response: 368326
Conc: 3.42 ng/ml



#30 AR-1254-5

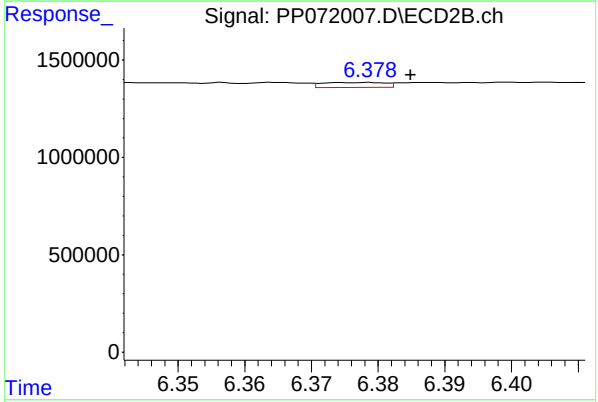
R.T.: 6.900 min
Delta R.T.: 0.000 min
Response: 45320
Conc: 0.45 ng/ml



#31 AR-1260-1

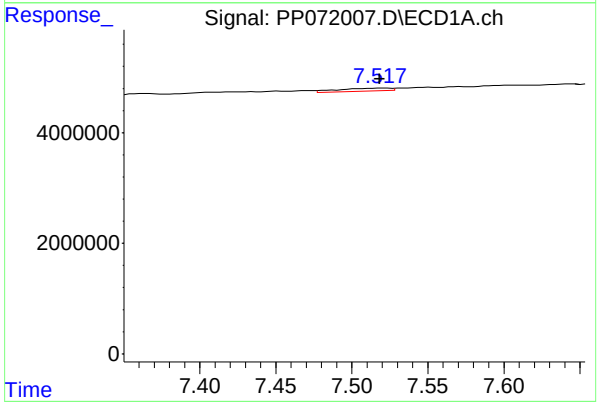
R.T.: 7.256 min
Delta R.T.: -0.009 min
Response: 2939159
Conc: 30.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



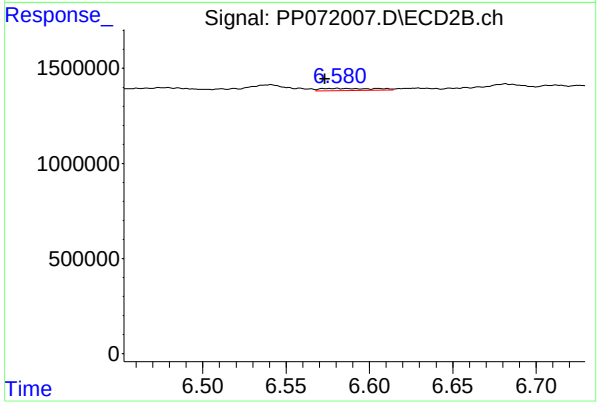
#31 AR-1260-1

R.T.: 6.378 min
Delta R.T.: -0.007 min
Response: 170106
Conc: 2.35 ng/ml



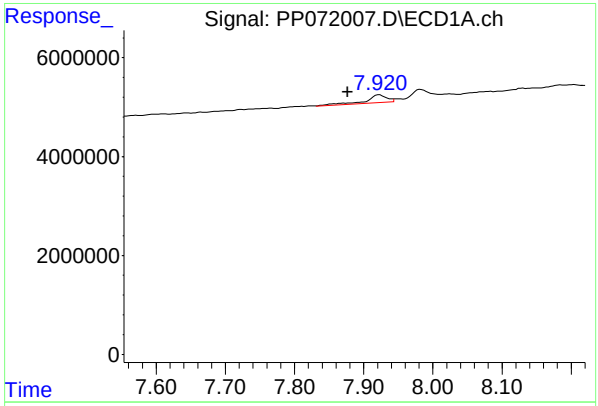
#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: 0.000 min
Response: 1240535
Conc: 8.67 ng/ml



#32 AR-1260-2

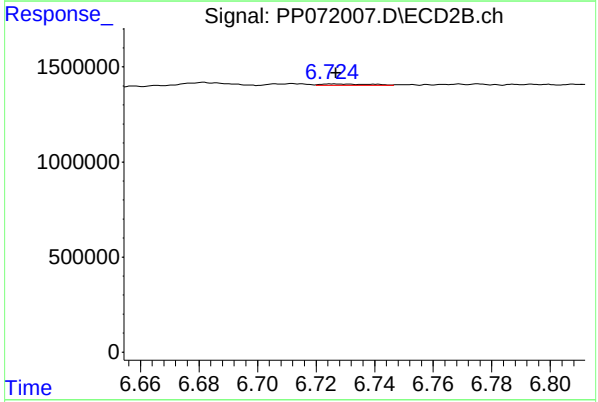
R.T.: 6.581 min
Delta R.T.: 0.007 min
Response: 248304
Conc: 2.84 ng/ml



#33 AR-1260-3

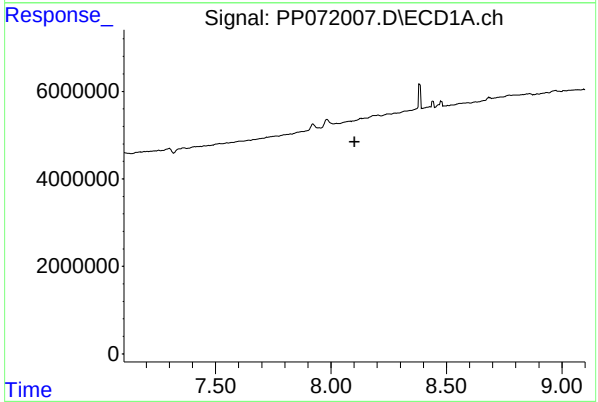
R.T.: 7.922 min
Delta R.T.: 0.045 min
Response: 3453218
Conc: 30.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



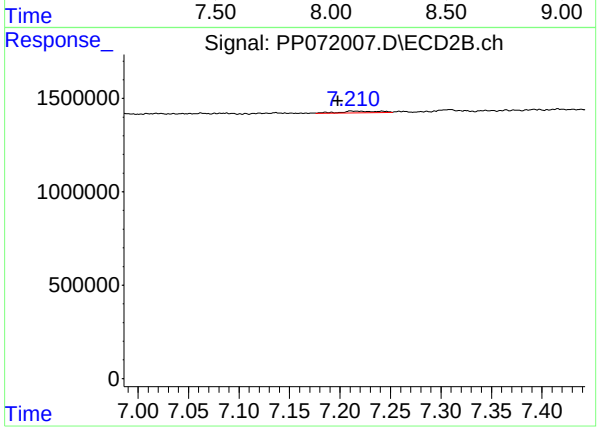
#33 AR-1260-3

R.T.: 6.726 min
Delta R.T.: 0.000 min
Response: 79470
Conc: 1.01 ng/ml



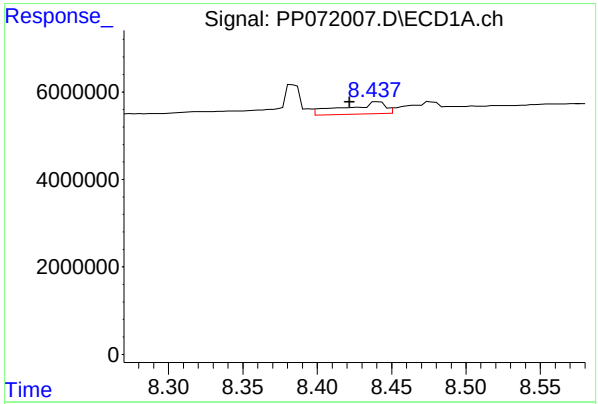
#34 AR-1260-4

R.T.: 0.000 min
Exp R.T. : 8.102 min
Response: 0
Conc: N.D.



#34 AR-1260-4

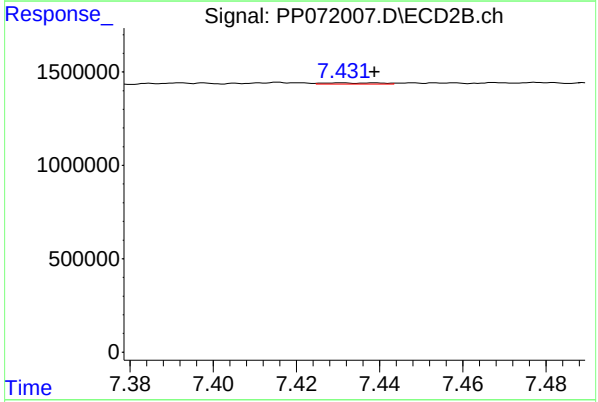
R.T.: 7.211 min
Delta R.T.: 0.013 min
Response: 258644
Conc: 4.10 ng/ml



#35 AR-1260-5

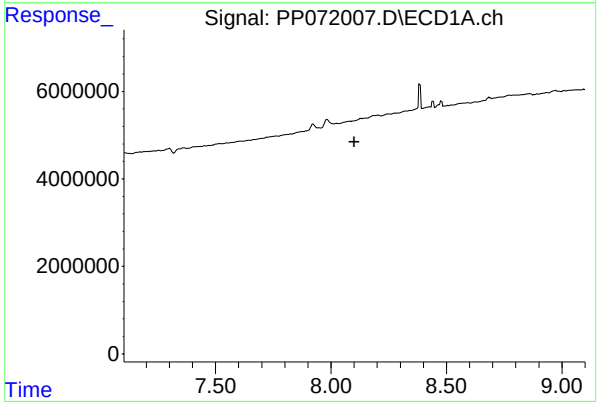
R.T.: 8.442 min
Delta R.T.: 0.020 min
Response: 5312204
Conc: 23.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



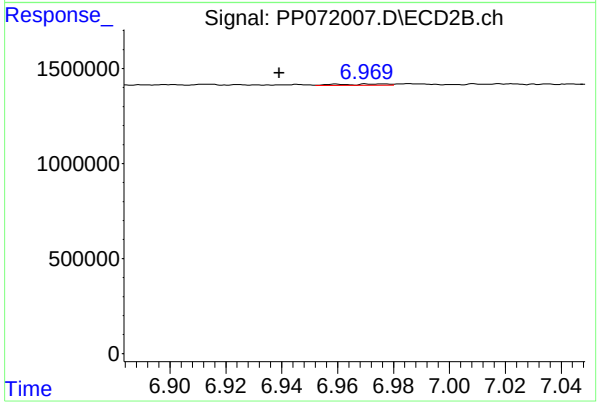
#35 AR-1260-5

R.T.: 7.431 min
Delta R.T.: -0.008 min
Response: 62395
Conc: 0.41 ng/ml



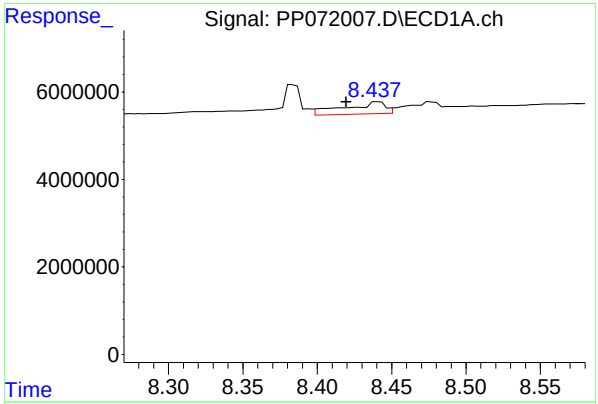
#36 AR-1262-1

R.T.: 0.000 min
Exp R.T. : 8.100 min
Response: 0
Conc: N.D.



#36 AR-1262-1

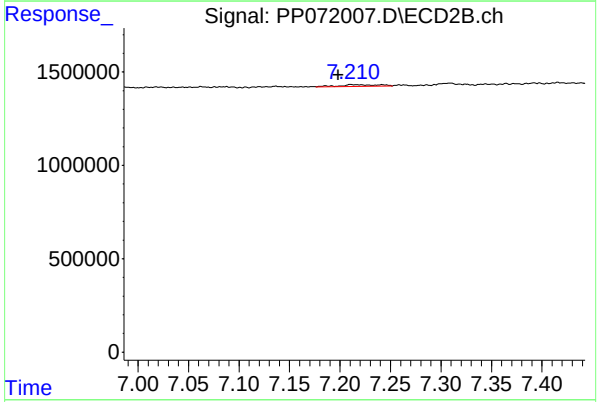
R.T.: 6.960 min
Delta R.T.: 0.021 min
Response: 86591
Conc: 0.76 ng/ml



#37 AR-1262-2

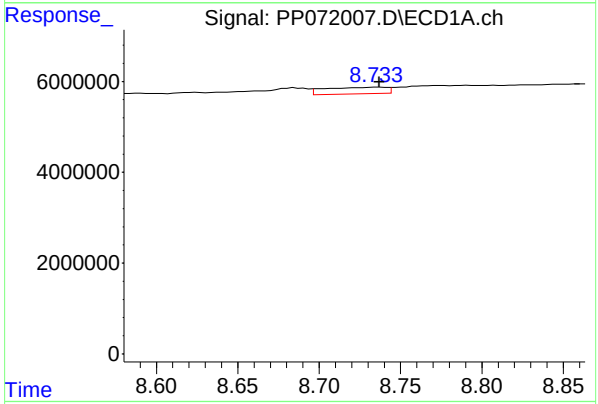
R.T.: 8.442 min
Delta R.T.: 0.022 min
Response: 5312204
Conc: 19.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



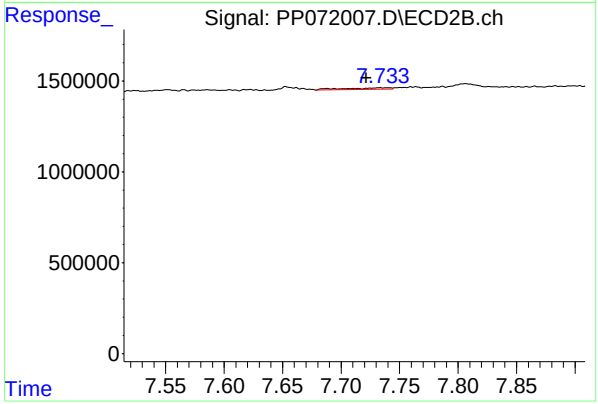
#37 AR-1262-2

R.T.: 7.211 min
Delta R.T.: 0.012 min
Response: 258644
Conc: 2.80 ng/ml



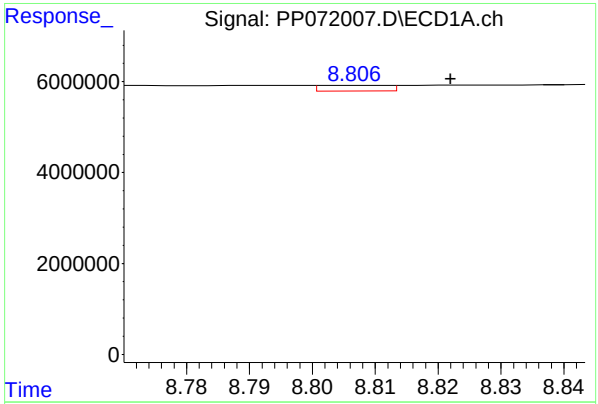
#38 AR-1262-3

R.T.: 8.736 min
Delta R.T.: 0.000 min
Response: 3785149
Conc: 20.70 ng/ml



#38 AR-1262-3

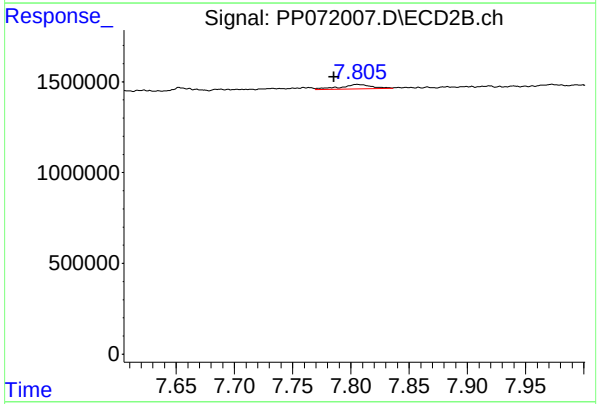
R.T.: 7.733 min
Delta R.T.: 0.011 min
Response: 247287
Conc: 3.27 ng/ml



#39 AR-1262-4

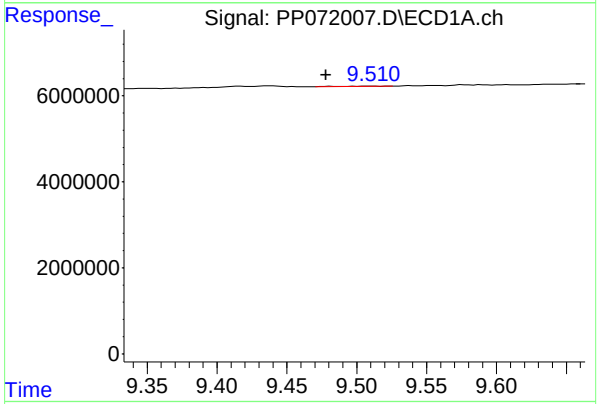
R.T.: 8.808 min
Delta R.T.: -0.014 min
Response: 911046
Conc: 6.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



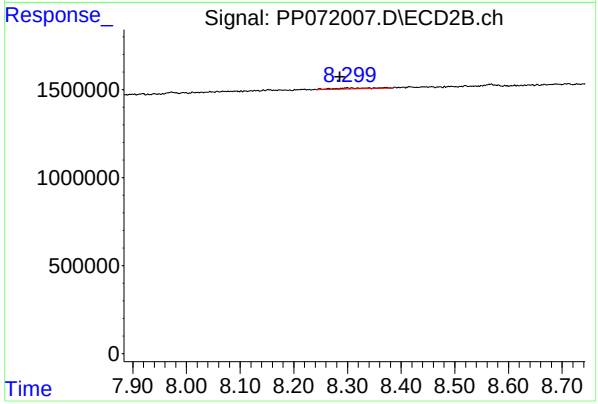
#39 AR-1262-4

R.T.: 7.806 min
Delta R.T.: 0.020 min
Response: 468520
Conc: 3.75 ng/ml



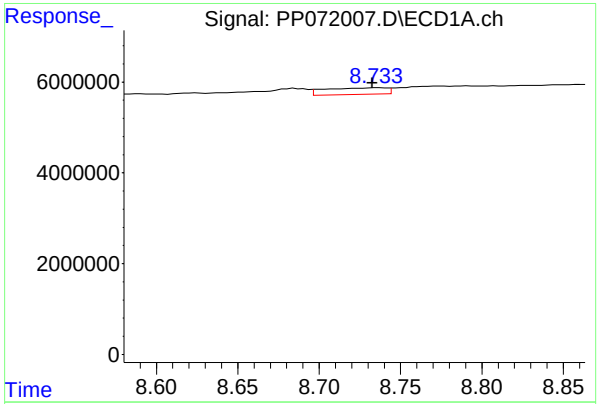
#40 AR-1262-5

R.T.: 9.512 min
Delta R.T.: 0.035 min
Response: 159020
Conc: 1.80 ng/ml



#40 AR-1262-5

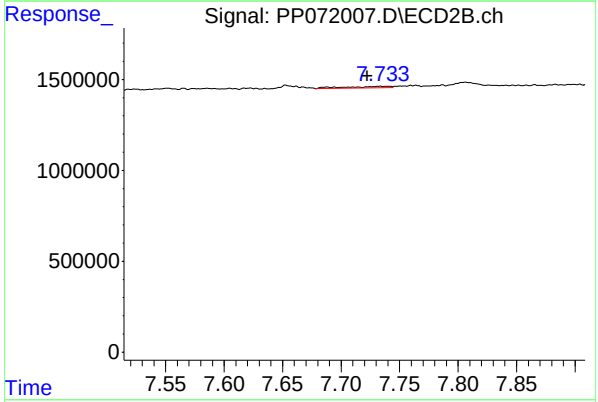
R.T.: 8.299 min
Delta R.T.: 0.013 min
Response: 250180
Conc: 4.51 ng/ml



#41 AR-1268-1

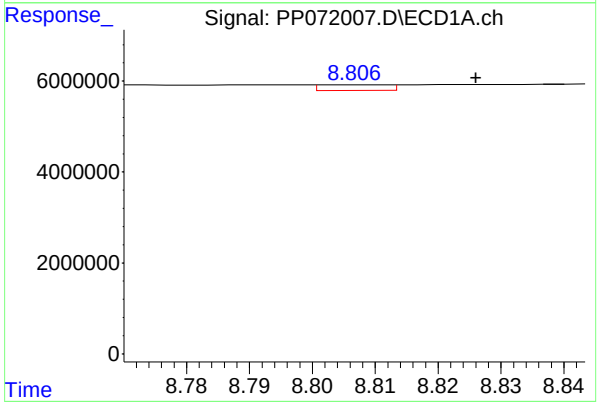
R.T.: 8.736 min
Delta R.T.: 0.004 min
Response: 3785149
Conc: 12.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



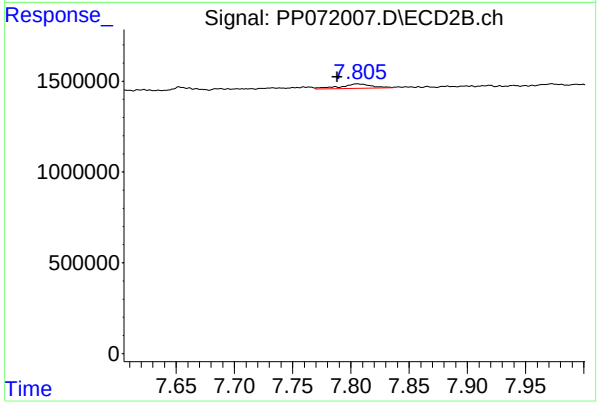
#41 AR-1268-1

R.T.: 7.733 min
Delta R.T.: 0.010 min
Response: 247287
Conc: 1.24 ng/ml



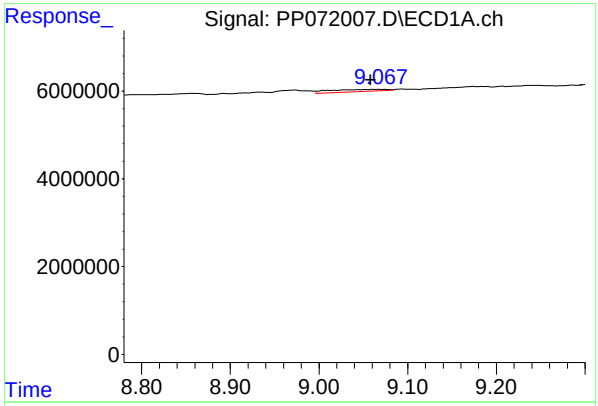
#42 AR-1268-2

R.T.: 8.808 min
Delta R.T.: -0.018 min
Response: 911046
Conc: 3.53 ng/ml



#42 AR-1268-2

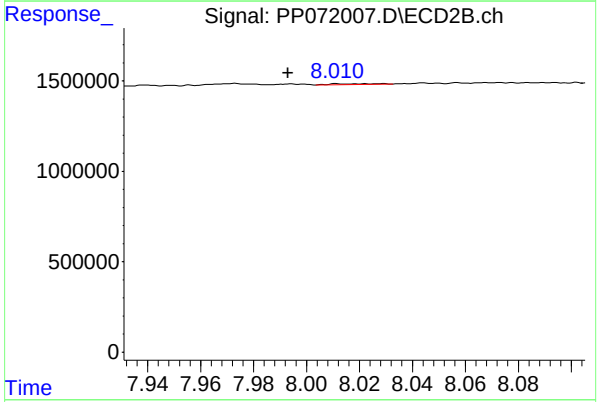
R.T.: 7.806 min
Delta R.T.: 0.018 min
Response: 468520
Conc: 2.77 ng/ml



#43 AR-1268-3

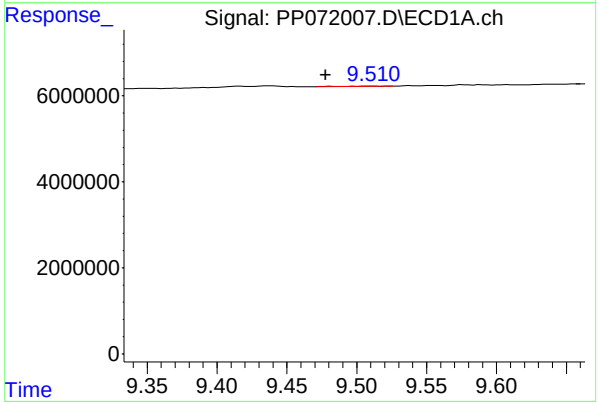
R.T.: 9.068 min
Delta R.T.: 0.009 min
Response: 2284113
Conc: 10.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



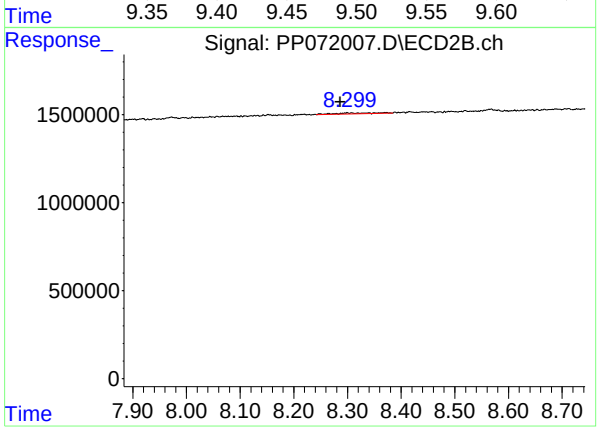
#43 AR-1268-3

R.T.: 8.011 min
Delta R.T.: 0.019 min
Response: 47572
Conc: 0.34 ng/ml



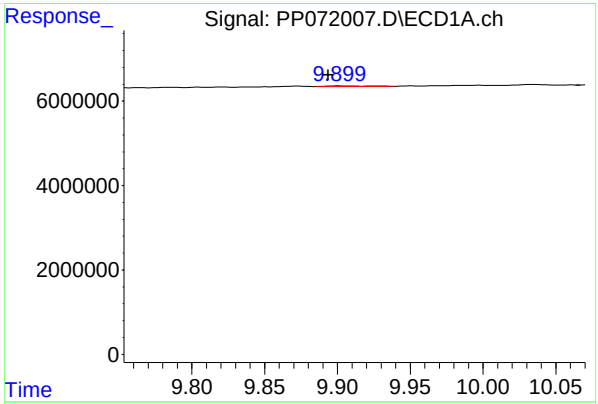
#44 AR-1268-4

R.T.: 9.512 min
Delta R.T.: 0.035 min
Response: 159020
Conc: 1.69 ng/ml



#44 AR-1268-4

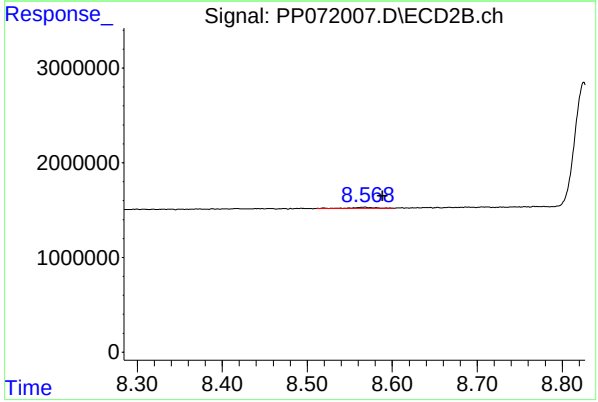
R.T.: 8.299 min
Delta R.T.: 0.012 min
Response: 250180
Conc: 4.11 ng/ml



#45 AR-1268-5

R.T.: 9.901 min
Delta R.T.: 0.007 min
Response: 332458
Conc: 0.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



#45 AR-1268-5

R.T.: 8.567 min
Delta R.T.: -0.022 min
Response: 192347
Conc: 0.52 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:08
Operator : YP\AJ
Sample : Q1984-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.508	3.802	28874056	24969232	14.563	17.726	
2)	SA Decachlor...	10.214	8.826	22900576	15590662	15.815	17.776	
	Target Compounds							
3)	L1 AR-1016-1	5.682	4.886	941247	562736	14.038	10.512	#
4)	L1 AR-1016-2	5.682	4.928	941247	114811	9.171	1.503	#
5)	L1 AR-1016-3	5.778	5.083	453756	381456	7.361	9.037	
6)	L1 AR-1016-4	5.862	5.124	504492	831352	9.835	24.107	#
7)	L1 AR-1016-5	6.096f	5.330	241440	357118	5.005	8.035	#
8)	L2 AR-1221-1	4.721	3.968f	253314	46385	10.504	2.109	#
9)	L2 AR-1221-2	4.811	4.105	645062	1994274	35.803	120.415	#
10)	L2 AR-1221-3	4.874	4.172	291220	272799	5.144	5.627	
11)	L3 AR-1232-1	4.874	4.172	291220	272799	6.484	7.119	
12)	L3 AR-1232-2	5.419	4.928	253812	114811	11.029	3.007	#
13)	L3 AR-1232-3	5.682	5.083	941247	381456	19.934	18.014	
14)	L3 AR-1232-4	5.862	5.163	504492	233799	21.765	12.610	#
15)	L3 AR-1232-5	5.966	5.330	1245785	357118	77.159	17.944	#
16)	L4 AR-1242-1	5.682	4.886	941247	562736	17.185	12.169	#
17)	L4 AR-1242-2	5.682	4.928	941247	114811	11.076	1.739	#
18)	L4 AR-1242-3	5.730	5.083	2139954	381456	41.859	10.466	#
19)	L4 AR-1242-4	5.862	5.163	504492	233799	11.952	6.547	#
20)	L4 AR-1242-5	6.564	5.700	990684	1094243	21.401	25.150	
21)	L5 AR-1248-1	5.682	4.886	941247	562736	21.921	15.585	#
22)	L5 AR-1248-2	5.966	5.124	1245785	831352	20.614	16.979	
23)	L5 AR-1248-3	6.096f	5.163	241440	233799	3.615	4.577	#
24)	L5 AR-1248-4	6.523	5.330	2610412	357118	30.852	5.887	#
25)	L5 AR-1248-5	6.564	5.723	990684	657929	12.470	11.287	
26)	L6 AR-1254-1	6.523	5.700	2610412	1094243	31.853	11.972	#
27)	L6 AR-1254-2	6.729	5.836	2511502	653947	19.764	8.308	#
28)	L6 AR-1254-3	7.089	6.238	1493771	1124715	11.691	9.491	
29)	L6 AR-1254-4	7.373	6.496	745913	211483	6.347	2.741	#
30)	L6 AR-1254-5	7.787	6.883	818110	851169	7.594	8.389	
31)	L7 AR-1260-1	7.247	6.394	524031	659017	5.457	9.115	#
32)	L7 AR-1260-2	7.504	6.555	1284654	771336	8.979	8.819	
33)	L7 AR-1260-3	7.868	6.708	505713	414758	4.511	5.291	
34)	L7 AR-1260-4	8.070	7.182	2051454	195044	18.176	3.091	#
35)	L7 AR-1260-5	8.415	7.421	1365016	1572780	6.025	10.431	#
36)	L8 AR-1262-1	8.070	6.938	2051454	100403	14.198	0.884	#
37)	L8 AR-1262-2	8.415	7.182	1365016	195044	4.978	2.112	#
38)	L8 AR-1262-3	8.737	7.738	3045474	1085062	16.653	14.335	
39)	L8 AR-1262-4	8.821	7.798	3239942	475922	24.141	3.813	#
40)	L8 AR-1262-5	9.457	8.285	1699306	40260	19.275	0.726	#
41)	L9 AR-1268-1	8.737	7.738	3045474	1085062	9.803	5.434	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:08
Operator : YP\AJ
Sample : Q1984-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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	
42)	L9 AR-1268-2	8.821	7.798	3239942	475922	12.570	2.816	#
43)	L9 AR-1268-3	9.050	7.972	1995644	85367	8.953	0.614	#
44)	L9 AR-1268-4	9.457	8.285	1699306	40260	18.066	0.662	#
45)	L9 AR-1268-5	9.875	8.567	266863	146773	0.446	0.393	

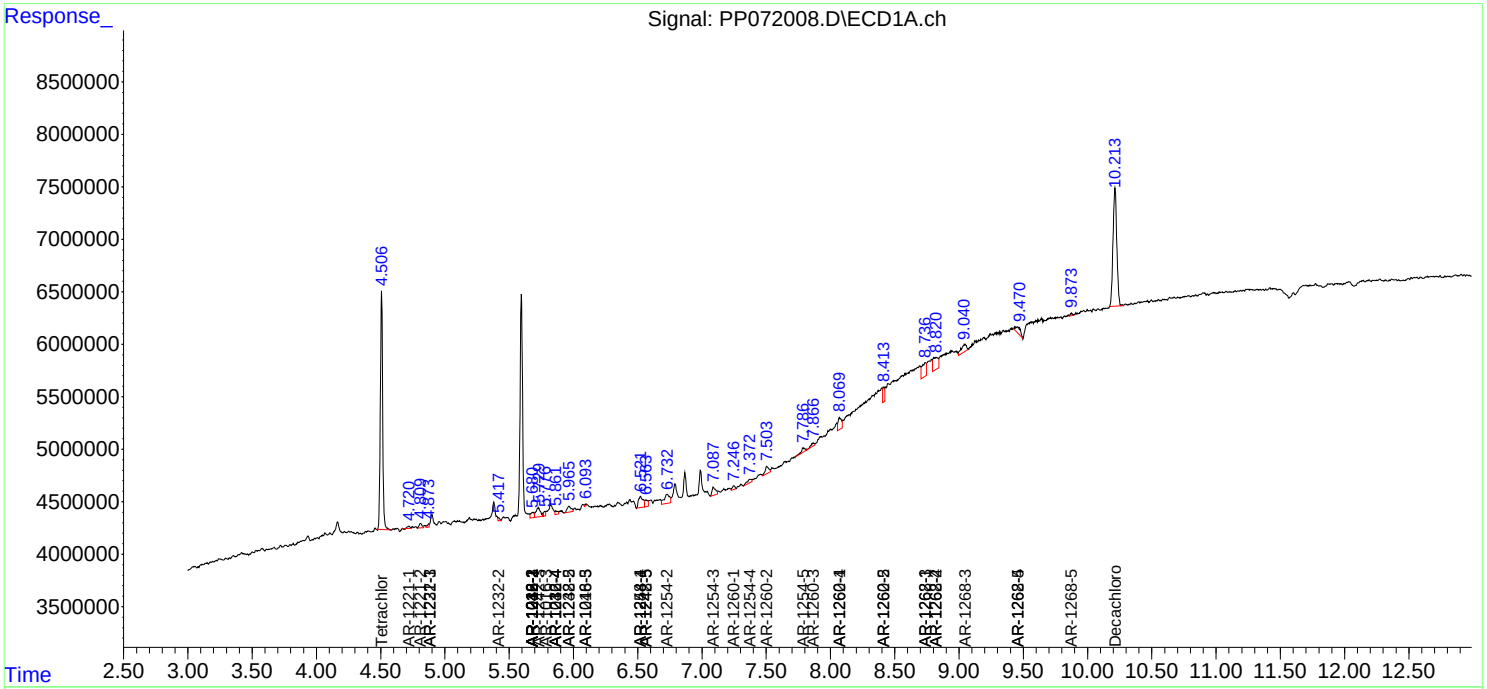
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

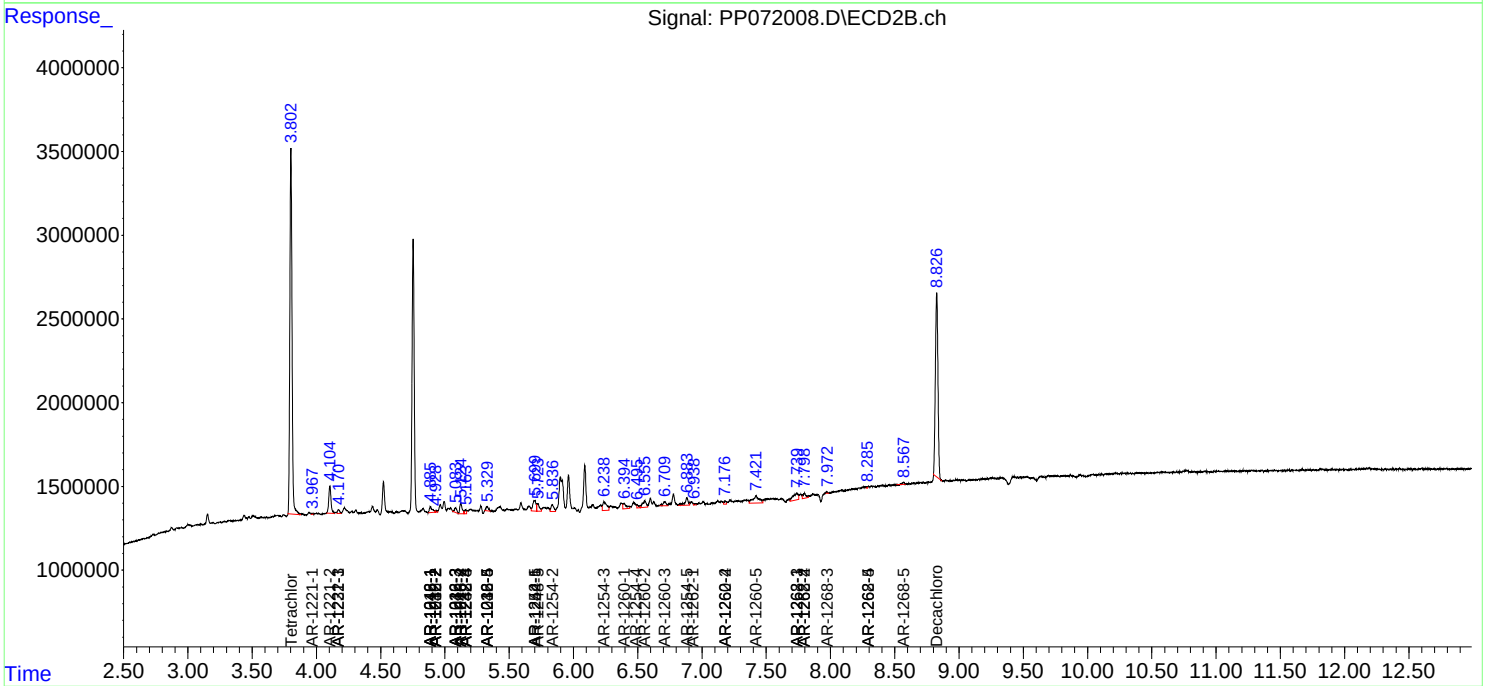
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:08
Operator : YP\AJ
Sample : Q1984-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

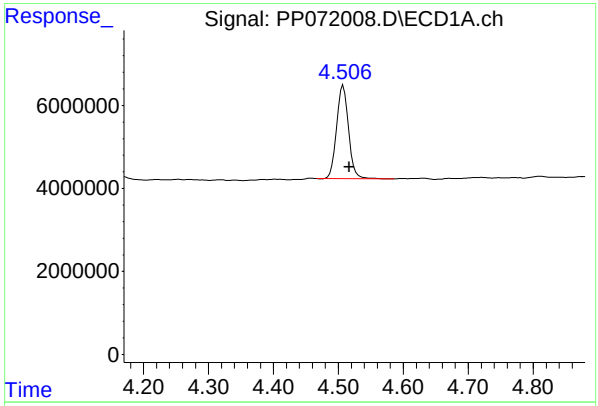
Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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



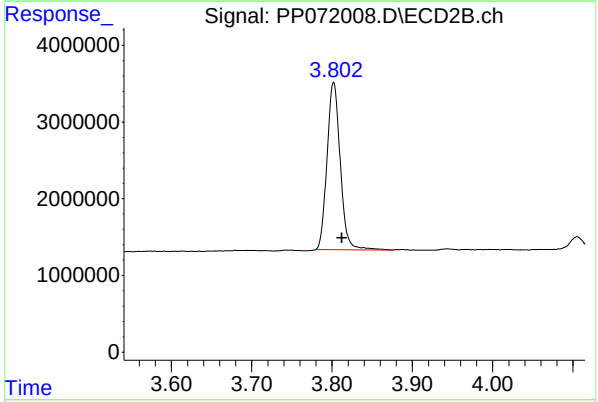




#1 Tetrachloro-m-xylene

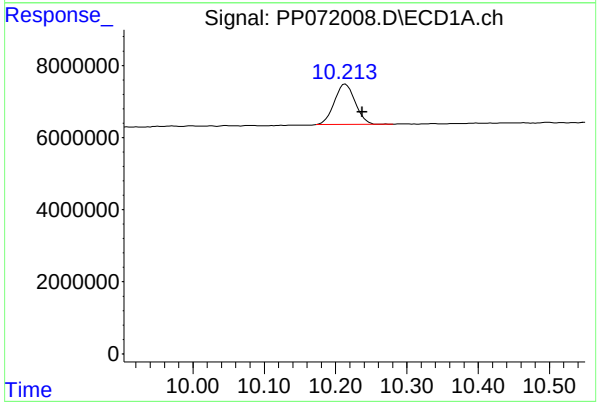
R.T.: 4.508 min
Delta R.T.: -0.009 min
Response: 28874056
Conc: 14.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



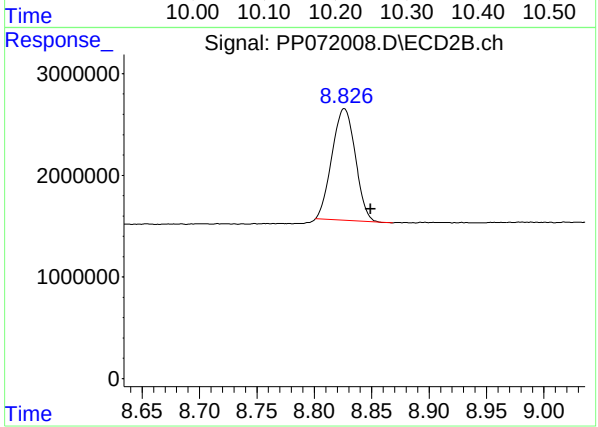
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.010 min
Response: 24969232
Conc: 17.73 ng/ml



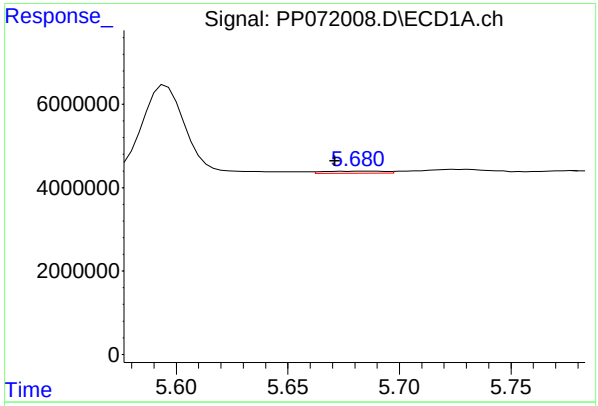
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: -0.023 min
Response: 22900576
Conc: 15.82 ng/ml



#2 Decachlorobiphenyl

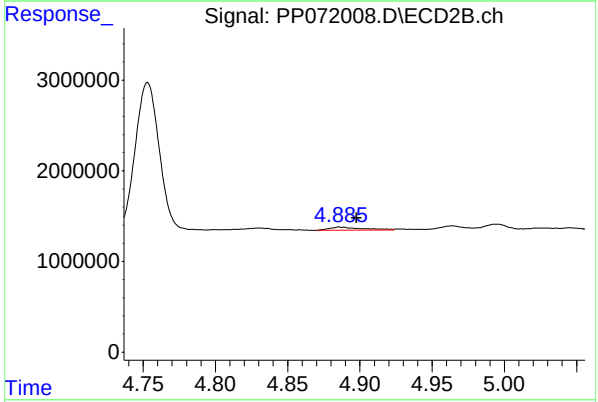
R.T.: 8.826 min
Delta R.T.: -0.023 min
Response: 15590662
Conc: 17.78 ng/ml



#3 AR-1016-1

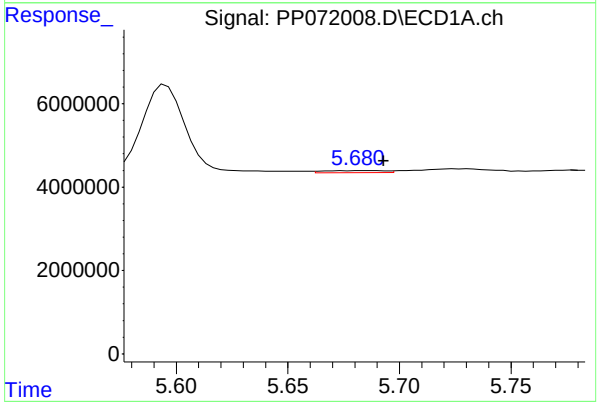
R.T.: 5.682 min
Delta R.T.: 0.010 min
Response: 941247
Conc: 14.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



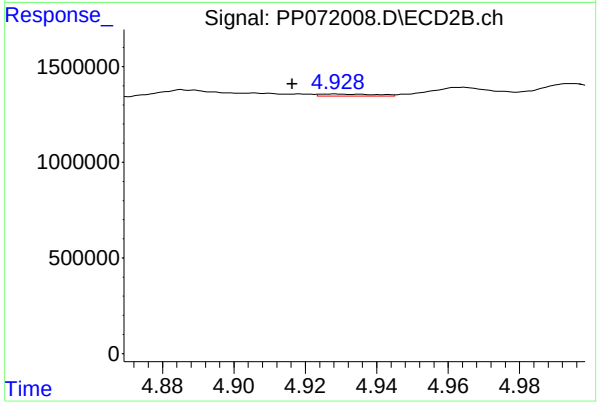
#3 AR-1016-1

R.T.: 4.886 min
Delta R.T.: -0.012 min
Response: 562736
Conc: 10.51 ng/ml



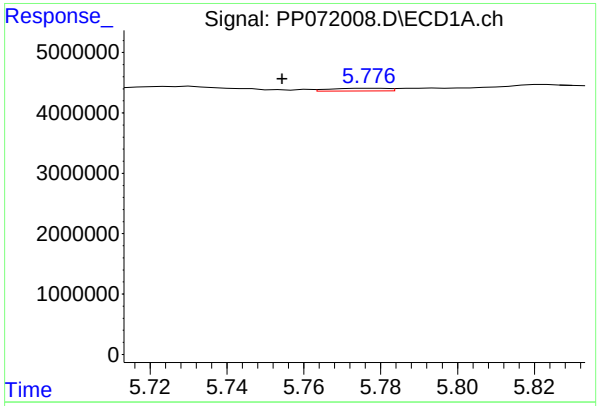
#4 AR-1016-2

R.T.: 5.682 min
Delta R.T.: -0.011 min
Response: 941247
Conc: 9.17 ng/ml



#4 AR-1016-2

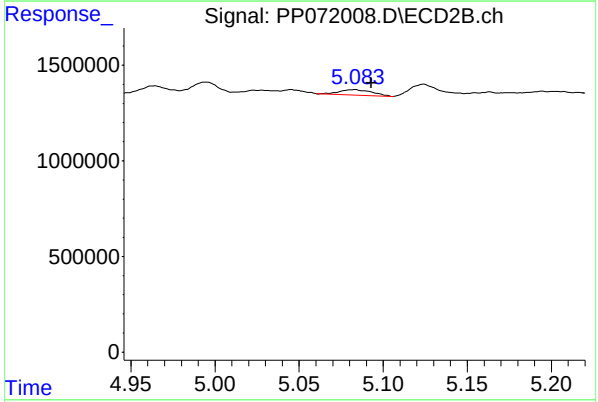
R.T.: 4.928 min
Delta R.T.: 0.012 min
Response: 114811
Conc: 1.50 ng/ml



#5 AR-1016-3

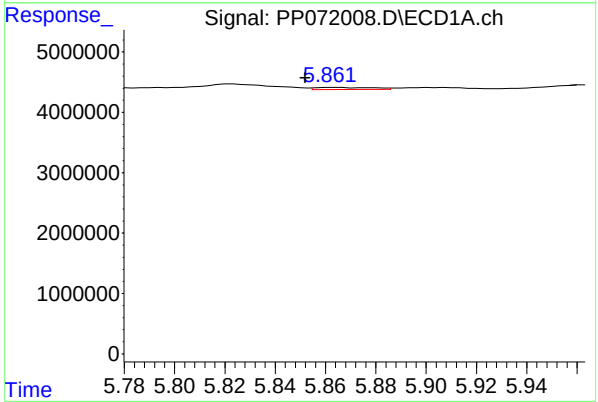
R.T.: 5.778 min
Delta R.T.: 0.023 min
Response: 453756
Conc: 7.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



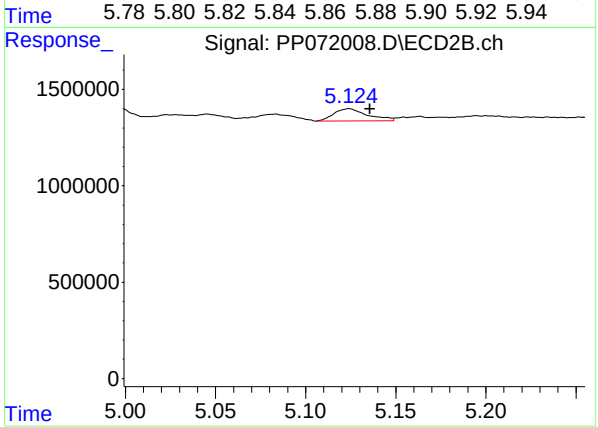
#5 AR-1016-3

R.T.: 5.083 min
Delta R.T.: -0.010 min
Response: 381456
Conc: 9.04 ng/ml



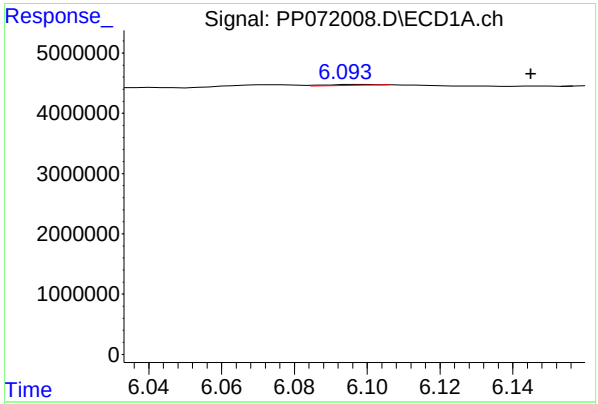
#6 AR-1016-4

R.T.: 5.862 min
Delta R.T.: 0.010 min
Response: 504492
Conc: 9.83 ng/ml



#6 AR-1016-4

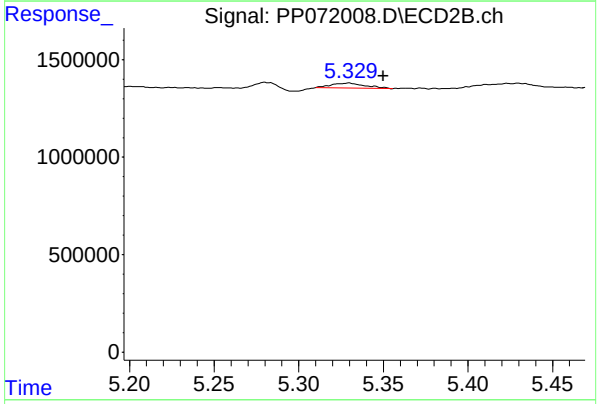
R.T.: 5.124 min
Delta R.T.: -0.012 min
Response: 831352
Conc: 24.11 ng/ml



#7 AR-1016-5

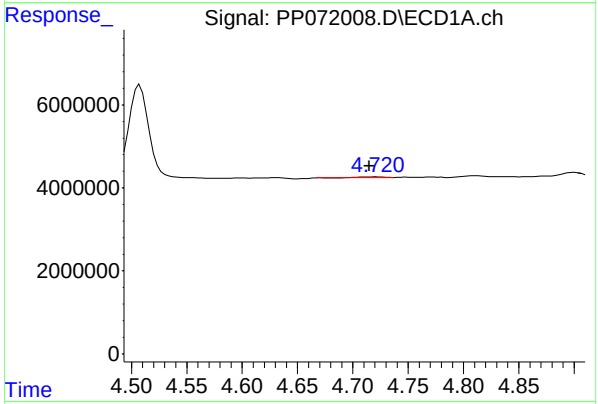
R.T.: 6.096 min
Delta R.T.: -0.049 min
Response: 241440
Conc: 5.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



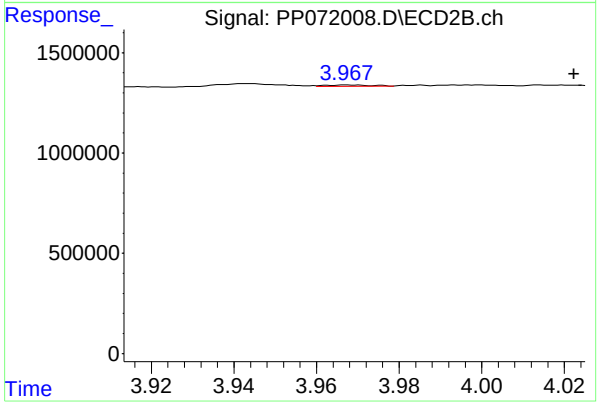
#7 AR-1016-5

R.T.: 5.330 min
Delta R.T.: -0.020 min
Response: 357118
Conc: 8.03 ng/ml



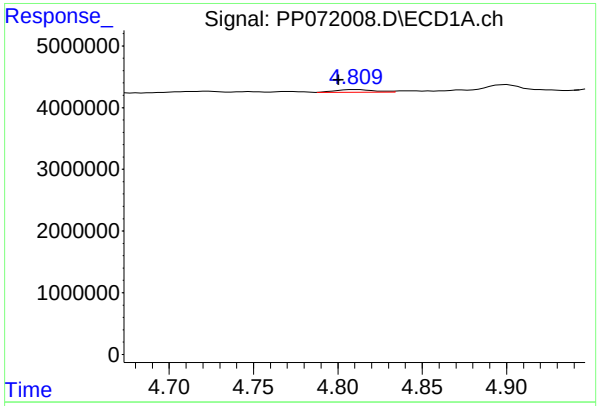
#8 AR-1221-1

R.T.: 4.721 min
Delta R.T.: 0.007 min
Response: 253314
Conc: 10.50 ng/ml



#8 AR-1221-1

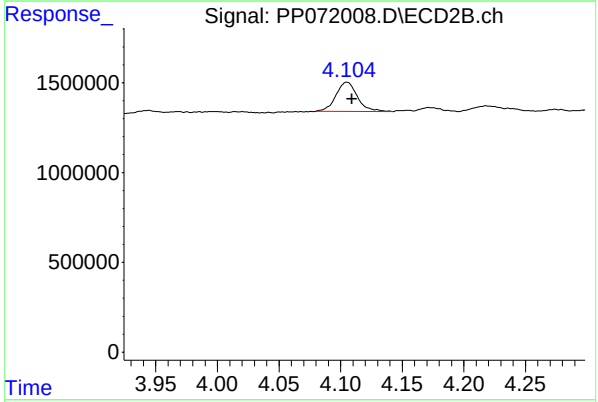
R.T.: 3.968 min
Delta R.T.: -0.054 min
Response: 46385
Conc: 2.11 ng/ml



#9 AR-1221-2

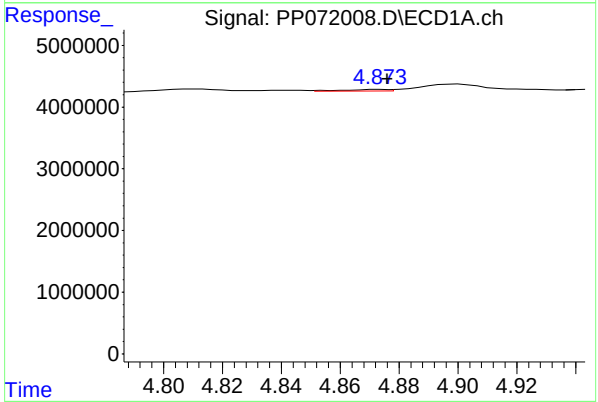
R.T.: 4.811 min
Delta R.T.: 0.010 min
Response: 645062
Conc: 35.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



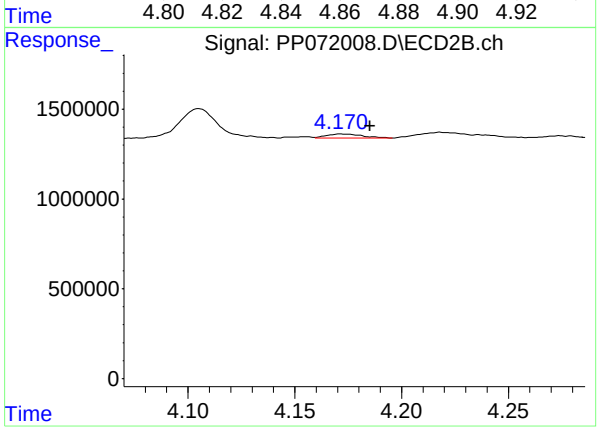
#9 AR-1221-2

R.T.: 4.105 min
Delta R.T.: -0.004 min
Response: 1994274
Conc: 120.41 ng/ml



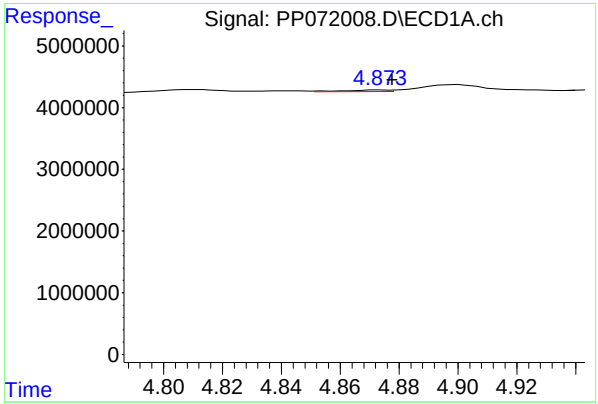
#10 AR-1221-3

R.T.: 4.874 min
Delta R.T.: -0.002 min
Response: 291220
Conc: 5.14 ng/ml



#10 AR-1221-3

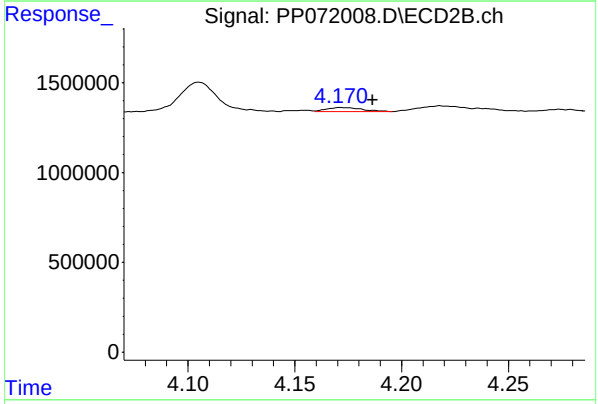
R.T.: 4.172 min
Delta R.T.: -0.013 min
Response: 272799
Conc: 5.63 ng/ml



#11 AR-1232-1

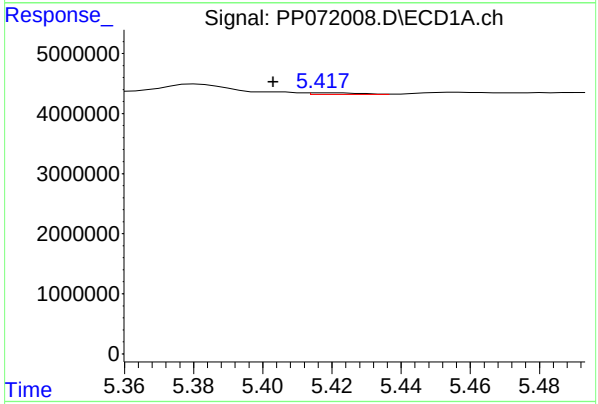
R.T.: 4.874 min
Delta R.T.: -0.004 min
Response: 291220
Conc: 6.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



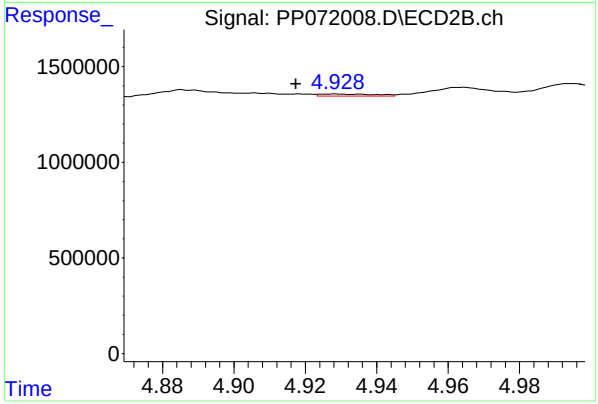
#11 AR-1232-1

R.T.: 4.172 min
Delta R.T.: -0.015 min
Response: 272799
Conc: 7.12 ng/ml



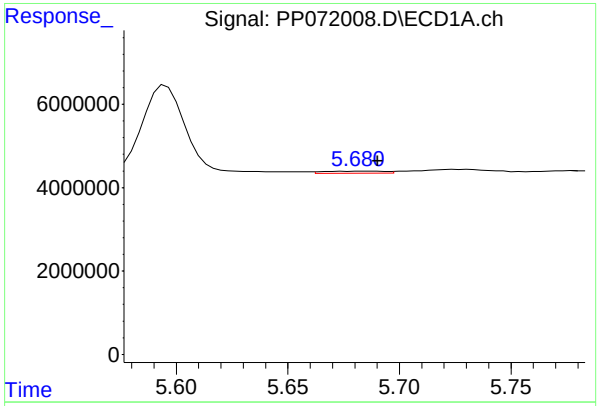
#12 AR-1232-2

R.T.: 5.419 min
Delta R.T.: 0.016 min
Response: 253812
Conc: 11.03 ng/ml



#12 AR-1232-2

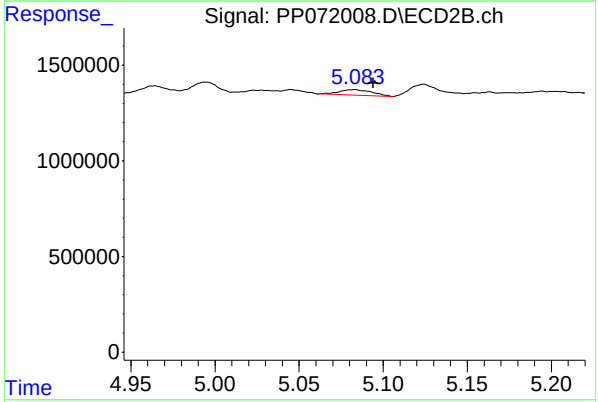
R.T.: 4.928 min
Delta R.T.: 0.011 min
Response: 114811
Conc: 3.01 ng/ml



#13 AR-1232-3

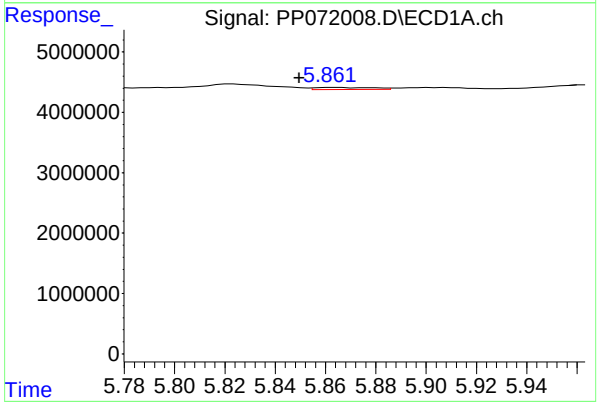
R.T.: 5.682 min
Delta R.T.: -0.009 min
Response: 941247
Conc: 19.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



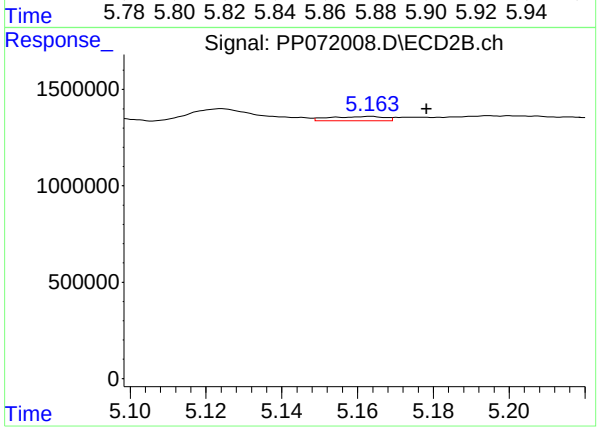
#13 AR-1232-3

R.T.: 5.083 min
Delta R.T.: -0.011 min
Response: 381456
Conc: 18.01 ng/ml



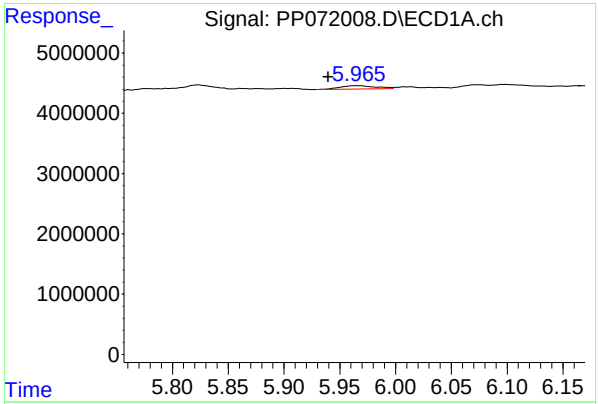
#14 AR-1232-4

R.T.: 5.862 min
Delta R.T.: 0.012 min
Response: 504492
Conc: 21.76 ng/ml



#14 AR-1232-4

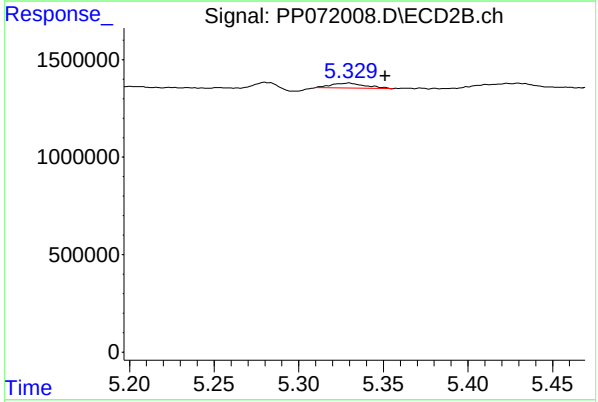
R.T.: 5.163 min
Delta R.T.: -0.015 min
Response: 233799
Conc: 12.61 ng/ml



#15 AR-1232-5

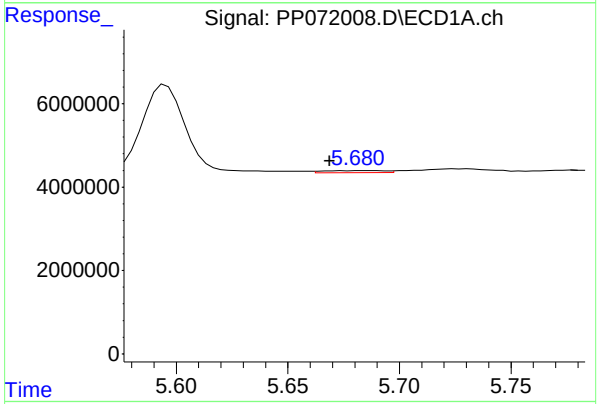
R.T.: 5.966 min
Delta R.T.: 0.026 mi
Response: 1245785
Conc: 77.16 ng/m

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



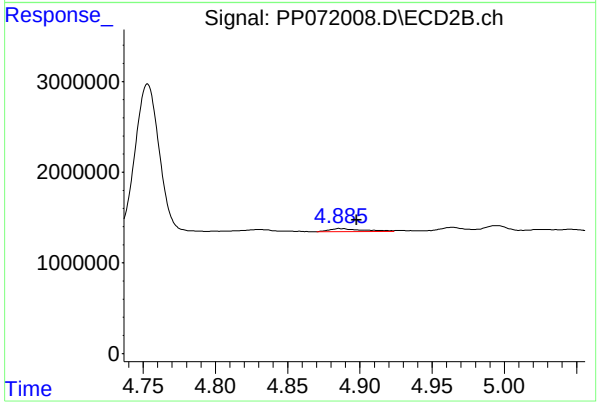
#15 AR-1232-5

R.T.: 5.330 min
Delta R.T.: -0.022 min
Response: 357118
Conc: 17.94 ng/ml



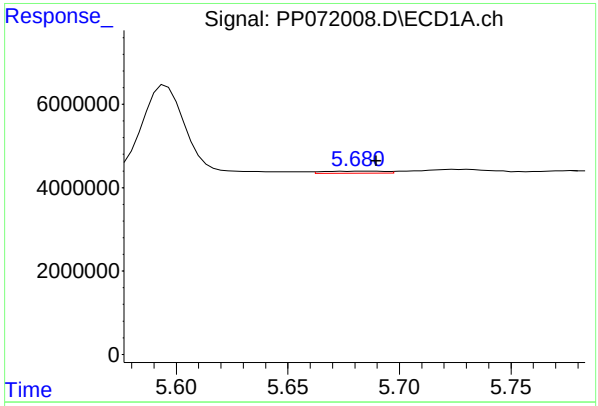
#16 AR-1242-1

R.T.: 5.682 min
Delta R.T.: 0.013 min
Response: 941247
Conc: 17.19 ng/ml



#16 AR-1242-1

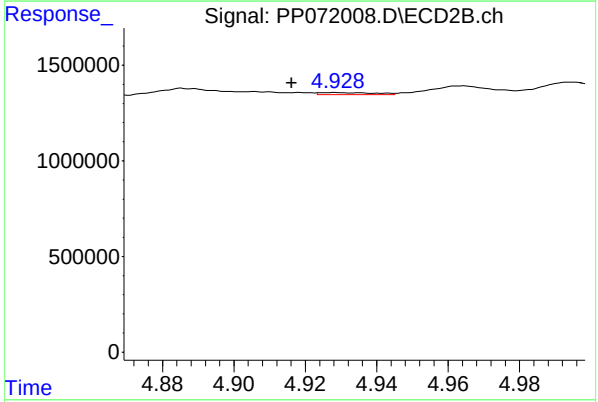
R.T.: 4.886 min
Delta R.T.: -0.012 min
Response: 562736
Conc: 12.17 ng/ml



#17 AR-1242-2

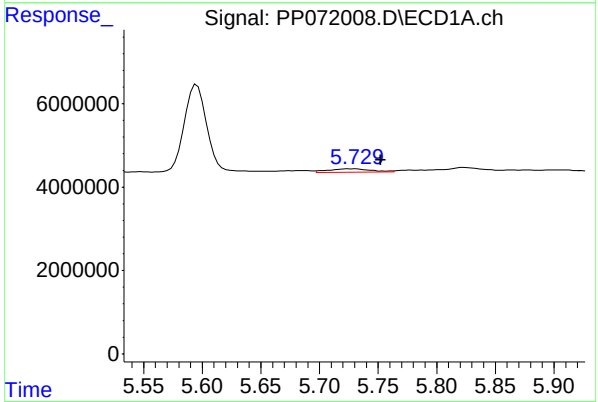
R.T.: 5.682 min
Delta R.T.: -0.008 min
Response: 941247
Conc: 11.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



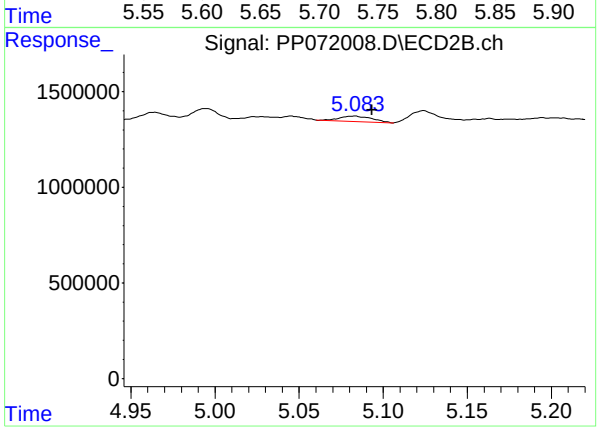
#17 AR-1242-2

R.T.: 4.928 min
Delta R.T.: 0.012 min
Response: 114811
Conc: 1.74 ng/ml



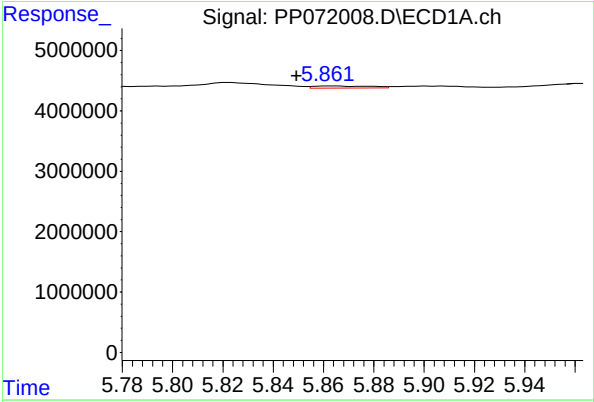
#18 AR-1242-3

R.T.: 5.730 min
Delta R.T.: -0.022 min
Response: 2139954
Conc: 41.86 ng/ml



#18 AR-1242-3

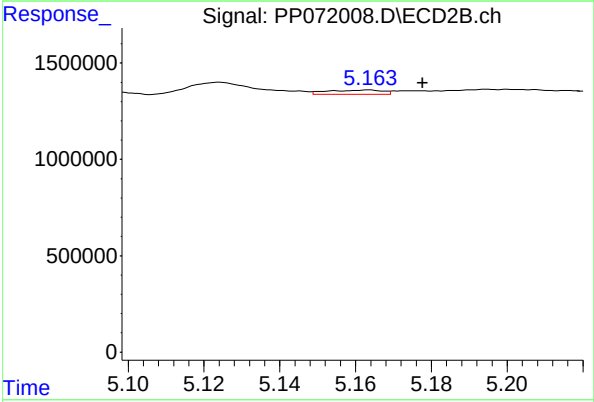
R.T.: 5.083 min
Delta R.T.: -0.010 min
Response: 381456
Conc: 10.47 ng/ml



#19 AR-1242-4

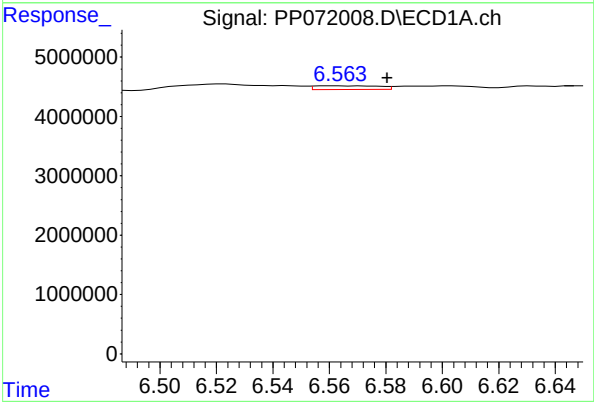
R.T.: 5.862 min
Delta R.T.: 0.013 min
Response: 504492
Conc: 11.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



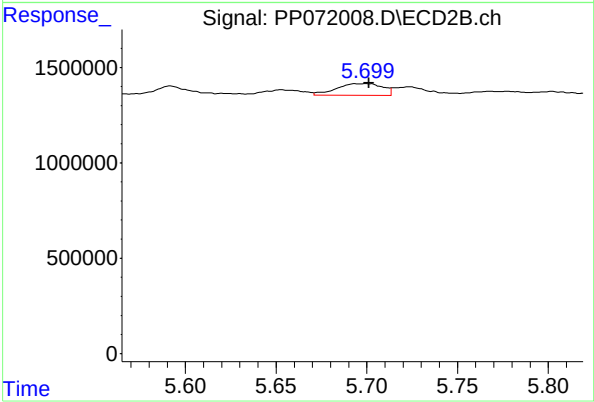
#19 AR-1242-4

R.T.: 5.163 min
Delta R.T.: -0.014 min
Response: 233799
Conc: 6.55 ng/ml



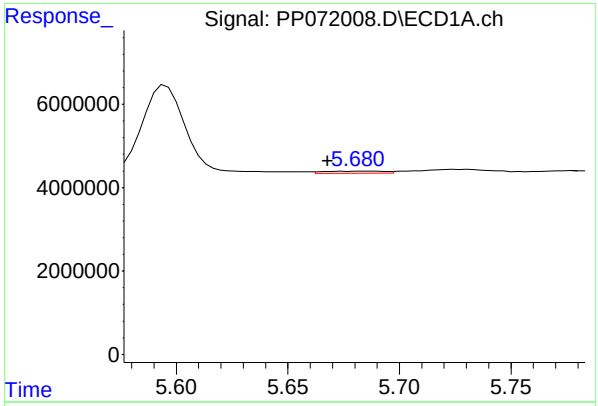
#20 AR-1242-5

R.T.: 6.564 min
Delta R.T.: -0.016 min
Response: 990684
Conc: 21.40 ng/ml



#20 AR-1242-5

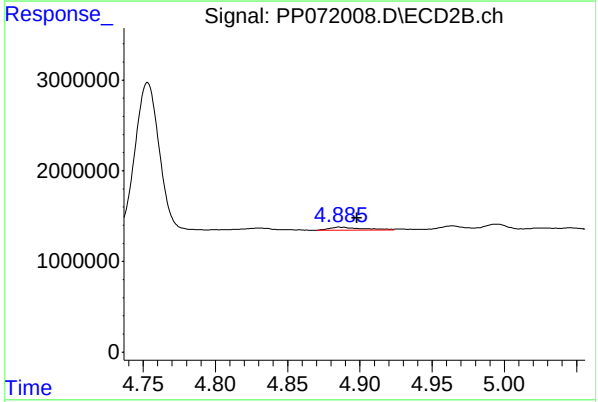
R.T.: 5.700 min
Delta R.T.: -0.001 min
Response: 1094243
Conc: 25.15 ng/ml



#21 AR-1248-1

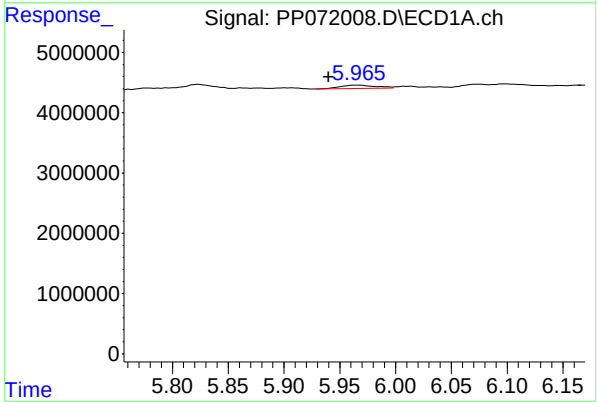
R.T.: 5.682 min
Delta R.T.: 0.014 min
Response: 941247
Conc: 21.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



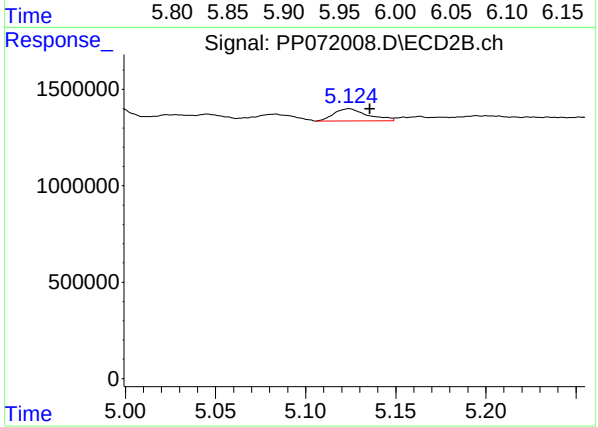
#21 AR-1248-1

R.T.: 4.886 min
Delta R.T.: -0.012 min
Response: 562736
Conc: 15.59 ng/ml



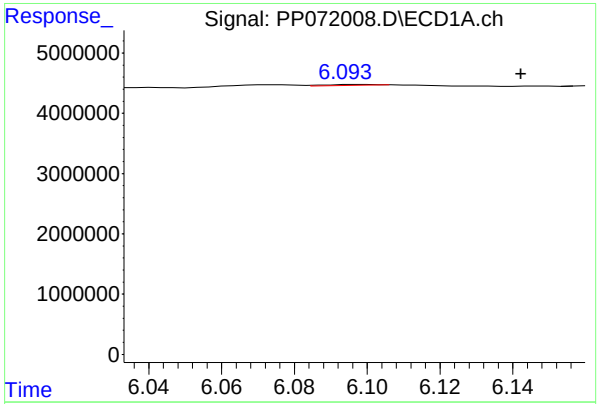
#22 AR-1248-2

R.T.: 5.966 min
Delta R.T.: 0.026 min
Response: 1245785
Conc: 20.61 ng/ml



#22 AR-1248-2

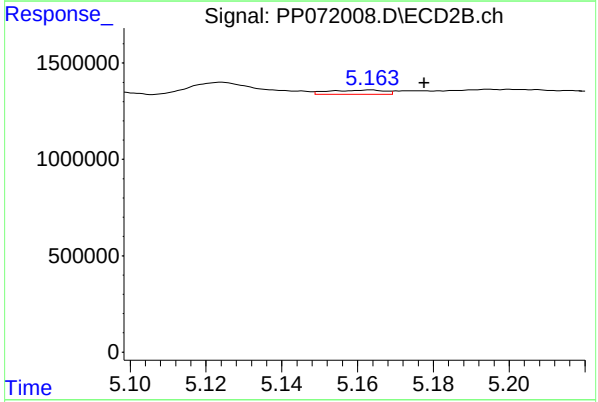
R.T.: 5.124 min
Delta R.T.: -0.012 min
Response: 831352
Conc: 16.98 ng/ml



#23 AR-1248-3

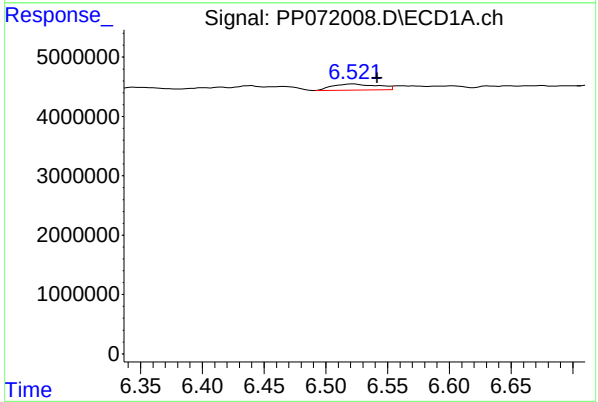
R.T.: 6.096 min
Delta R.T.: -0.047 min
Response: 241440
Conc: 3.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



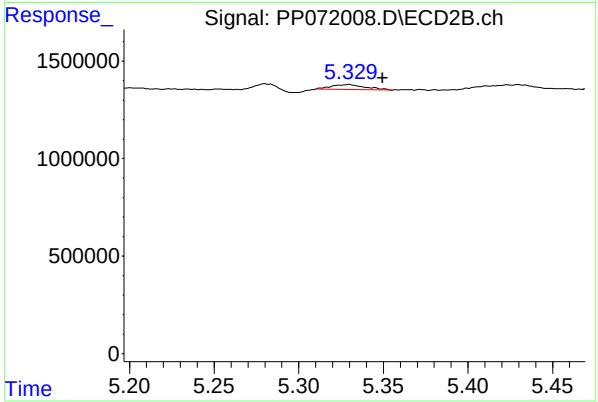
#23 AR-1248-3

R.T.: 5.163 min
Delta R.T.: -0.014 min
Response: 233799
Conc: 4.58 ng/ml



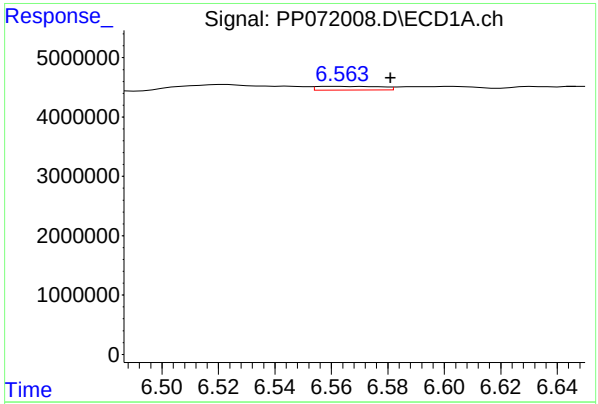
#24 AR-1248-4

R.T.: 6.523 min
Delta R.T.: -0.019 min
Response: 2610412
Conc: 30.85 ng/ml



#24 AR-1248-4

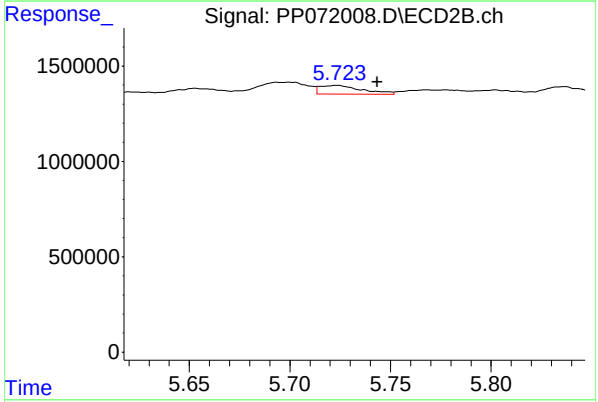
R.T.: 5.330 min
Delta R.T.: -0.020 min
Response: 357118
Conc: 5.89 ng/ml



#25 AR-1248-5

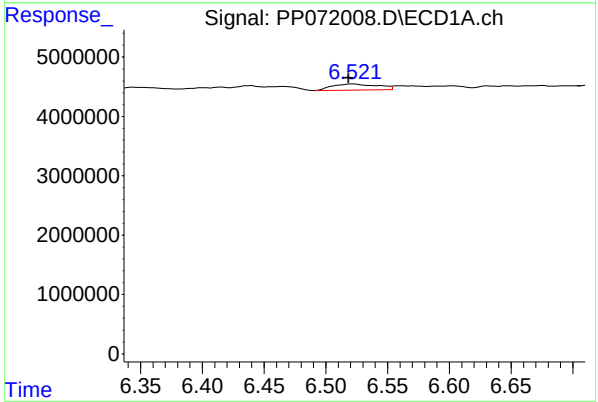
R.T.: 6.564 min
Delta R.T.: -0.017 min
Response: 990684
Conc: 12.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



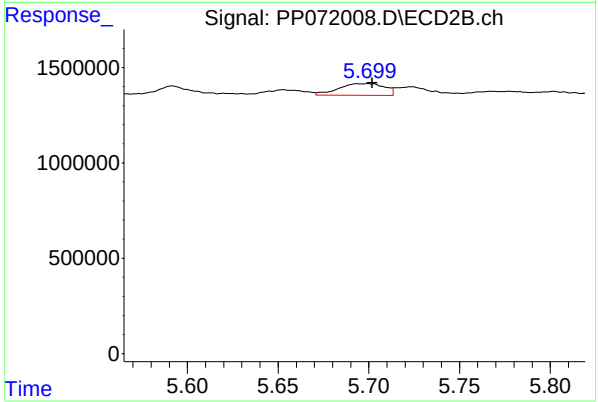
#25 AR-1248-5

R.T.: 5.723 min
Delta R.T.: -0.020 min
Response: 657929
Conc: 11.29 ng/ml



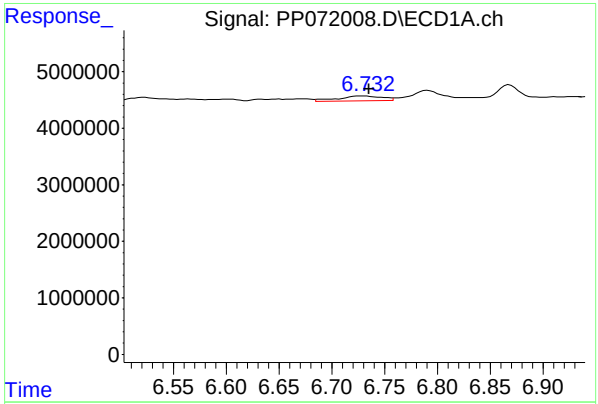
#26 AR-1254-1

R.T.: 6.523 min
Delta R.T.: 0.004 min
Response: 2610412
Conc: 31.85 ng/ml



#26 AR-1254-1

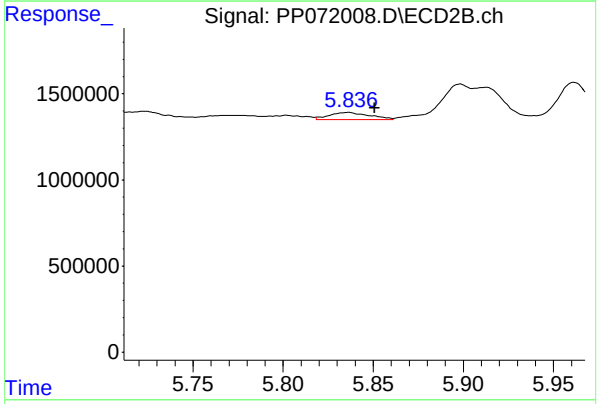
R.T.: 5.700 min
Delta R.T.: -0.002 min
Response: 1094243
Conc: 11.97 ng/ml



#27 AR-1254-2

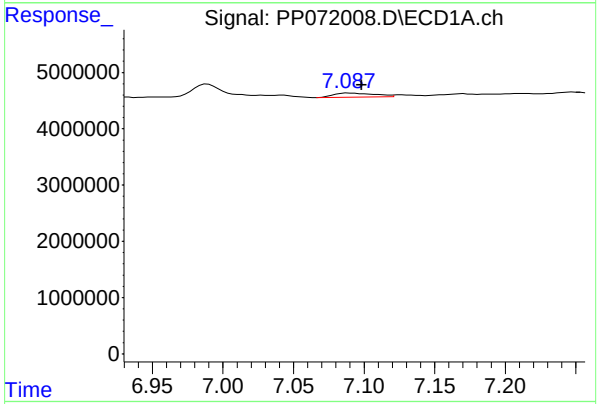
R.T.: 6.729 min
Delta R.T.: -0.007 min
Response: 2511502
Conc: 19.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



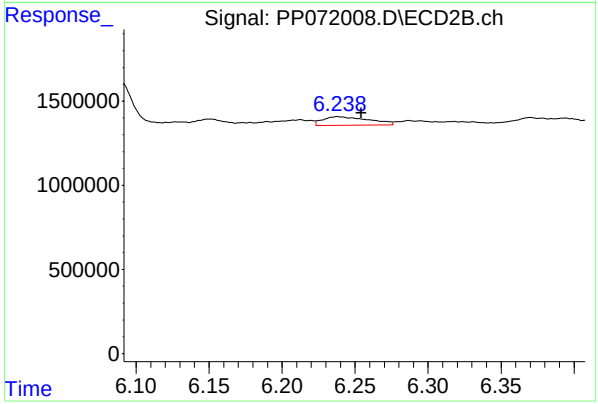
#27 AR-1254-2

R.T.: 5.836 min
Delta R.T.: -0.015 min
Response: 653947
Conc: 8.31 ng/ml



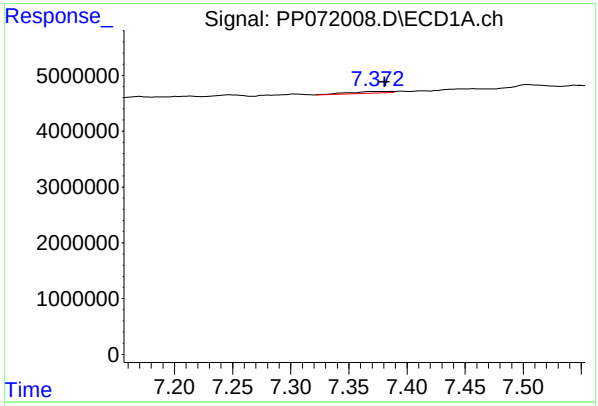
#28 AR-1254-3

R.T.: 7.089 min
Delta R.T.: -0.009 min
Response: 1493771
Conc: 11.69 ng/ml



#28 AR-1254-3

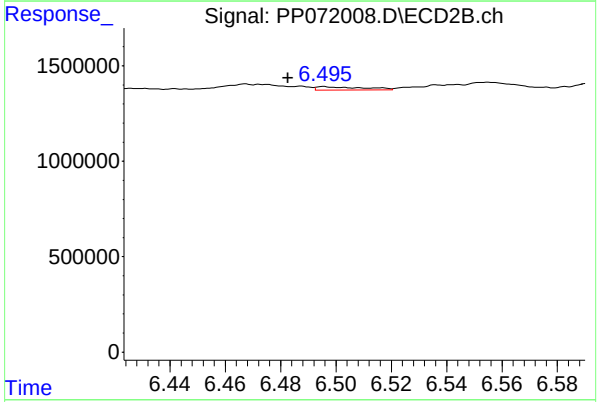
R.T.: 6.238 min
Delta R.T.: -0.016 min
Response: 1124715
Conc: 9.49 ng/ml



#29 AR-1254-4

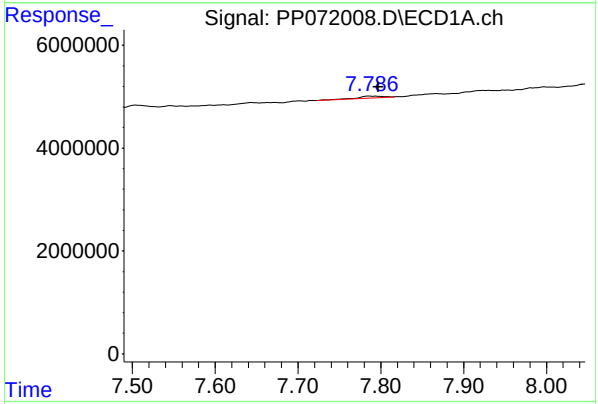
R.T.: 7.373 min
Delta R.T.: -0.008 min
Response: 745913
Conc: 6.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



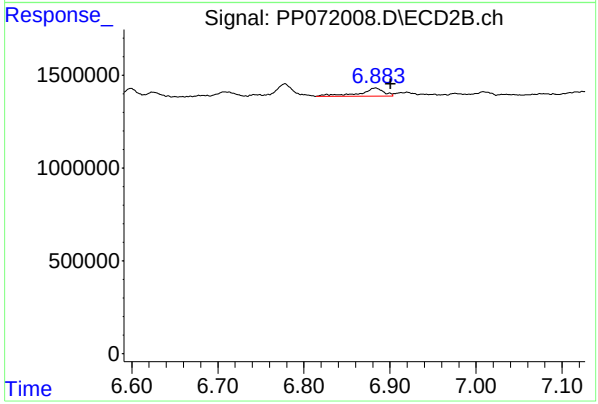
#29 AR-1254-4

R.T.: 6.496 min
Delta R.T.: 0.013 min
Response: 211483
Conc: 2.74 ng/ml



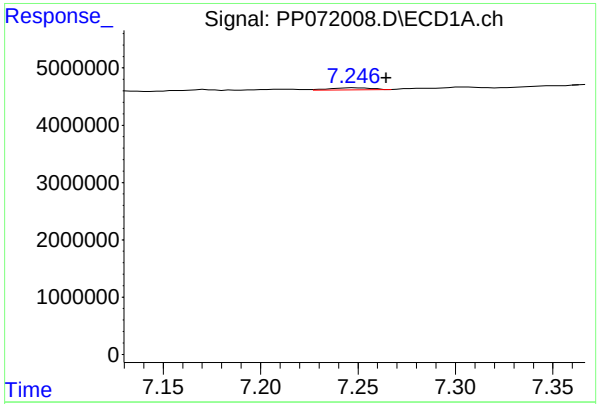
#30 AR-1254-5

R.T.: 7.787 min
Delta R.T.: -0.010 min
Response: 818110
Conc: 7.59 ng/ml



#30 AR-1254-5

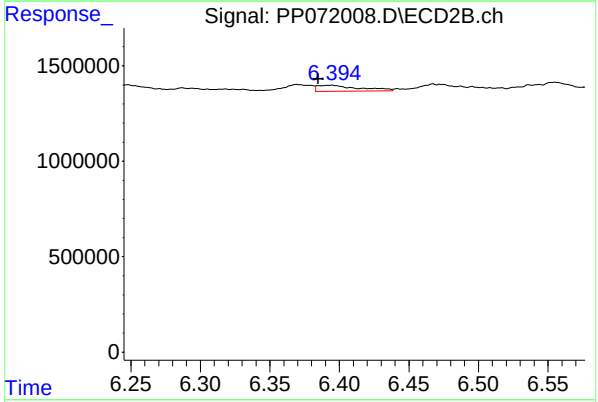
R.T.: 6.883 min
Delta R.T.: -0.018 min
Response: 851169
Conc: 8.39 ng/ml



#31 AR-1260-1

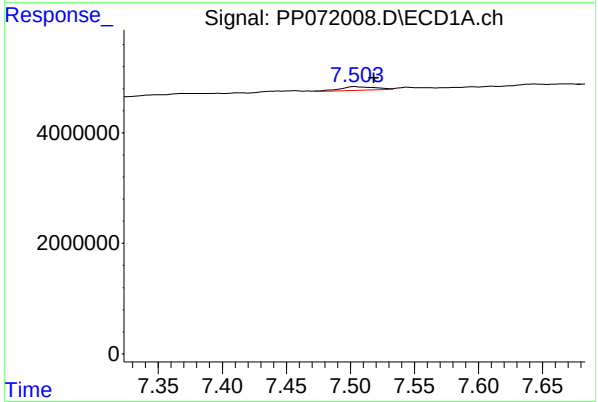
R.T.: 7.247 min
Delta R.T.: -0.017 min
Response: 524031
Conc: 5.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



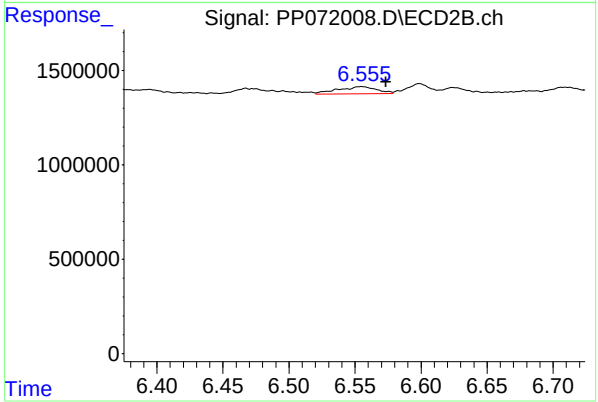
#31 AR-1260-1

R.T.: 6.394 min
Delta R.T.: 0.009 min
Response: 659017
Conc: 9.12 ng/ml



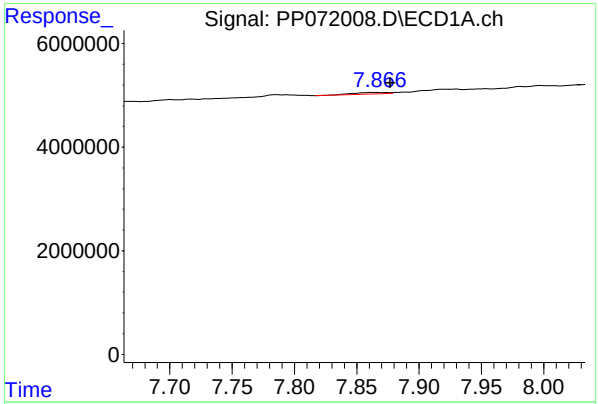
#32 AR-1260-2

R.T.: 7.504 min
Delta R.T.: -0.014 min
Response: 1284654
Conc: 8.98 ng/ml



#32 AR-1260-2

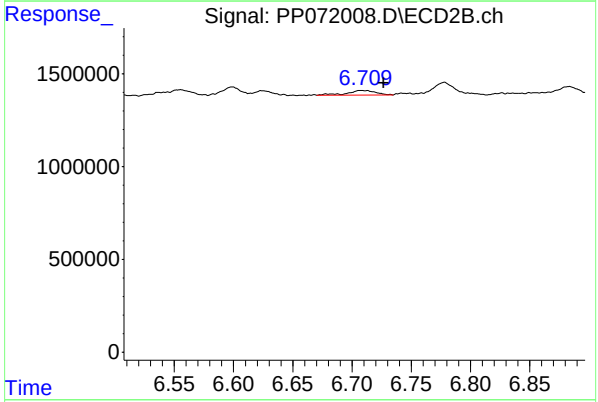
R.T.: 6.555 min
Delta R.T.: -0.018 min
Response: 771336
Conc: 8.82 ng/ml



#33 AR-1260-3

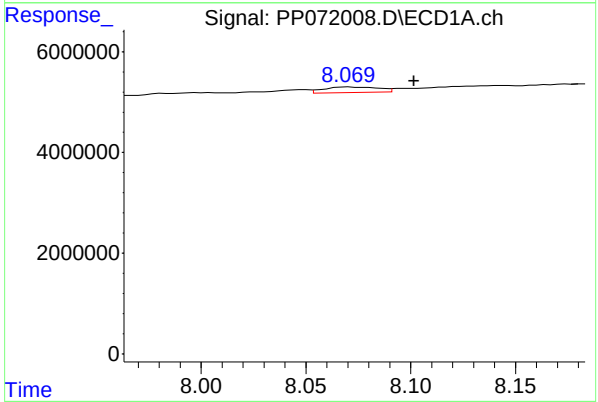
R.T.: 7.868 min
Delta R.T.: -0.010 min
Response: 505713
Conc: 4.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



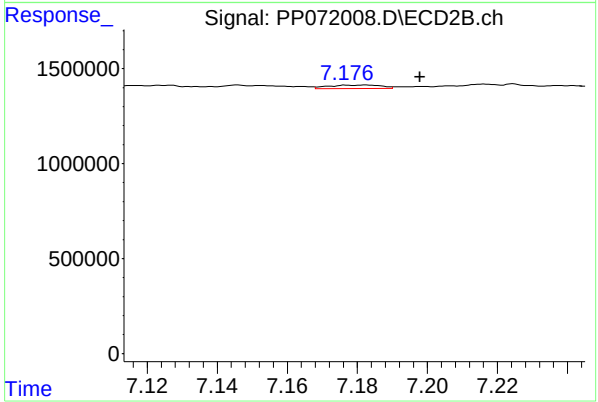
#33 AR-1260-3

R.T.: 6.708 min
Delta R.T.: -0.019 min
Response: 414758
Conc: 5.29 ng/ml



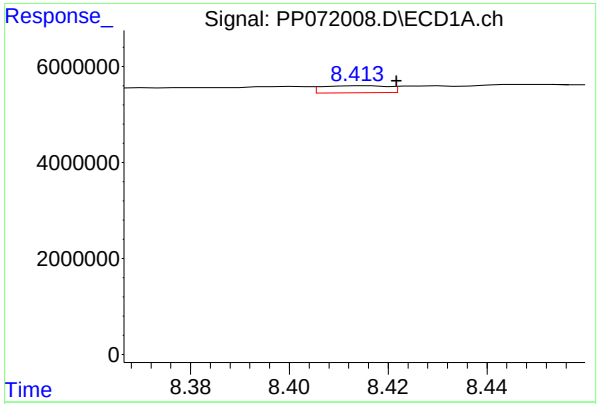
#34 AR-1260-4

R.T.: 8.070 min
Delta R.T.: -0.031 min
Response: 2051454
Conc: 18.18 ng/ml



#34 AR-1260-4

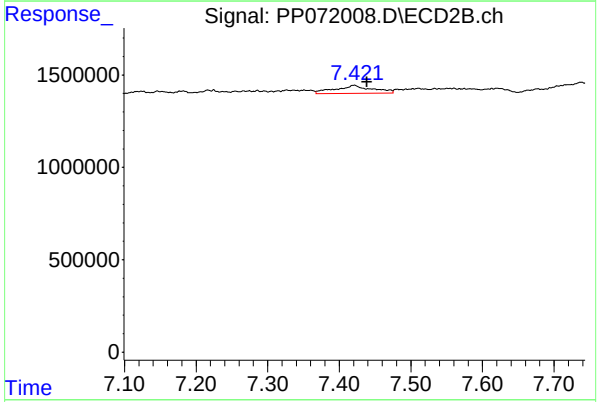
R.T.: 7.182 min
Delta R.T.: -0.016 min
Response: 195044
Conc: 3.09 ng/ml



#35 AR-1260-5

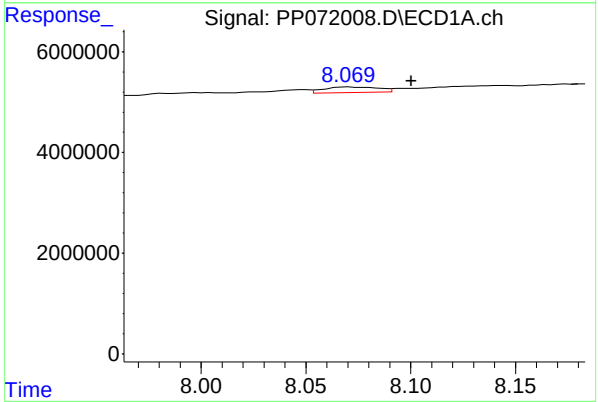
R.T.: 8.415 min
Delta R.T.: -0.006 min
Response: 1365016
Conc: 6.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



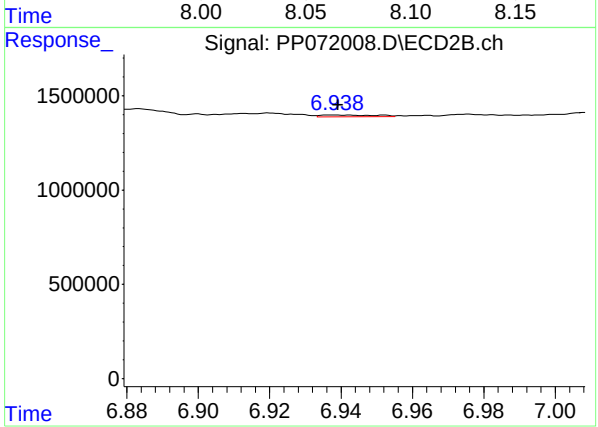
#35 AR-1260-5

R.T.: 7.421 min
Delta R.T.: -0.018 min
Response: 1572780
Conc: 10.43 ng/ml



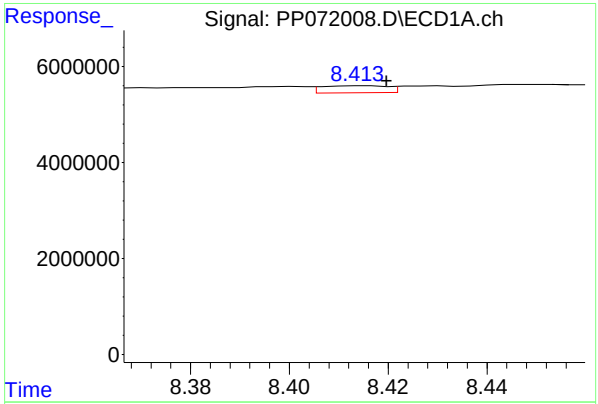
#36 AR-1262-1

R.T.: 8.070 min
Delta R.T.: -0.030 min
Response: 2051454
Conc: 14.20 ng/ml



#36 AR-1262-1

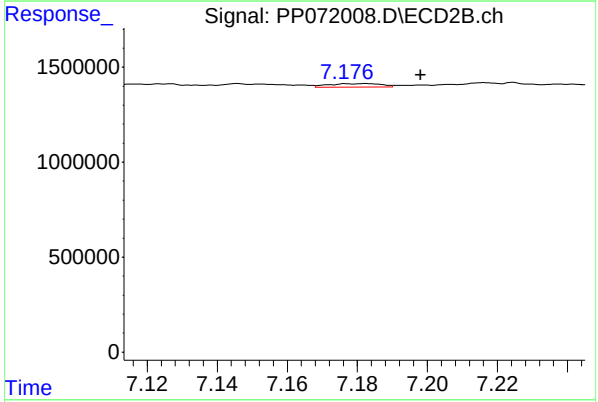
R.T.: 6.938 min
Delta R.T.: -0.002 min
Response: 100403
Conc: 0.88 ng/ml



#37 AR-1262-2

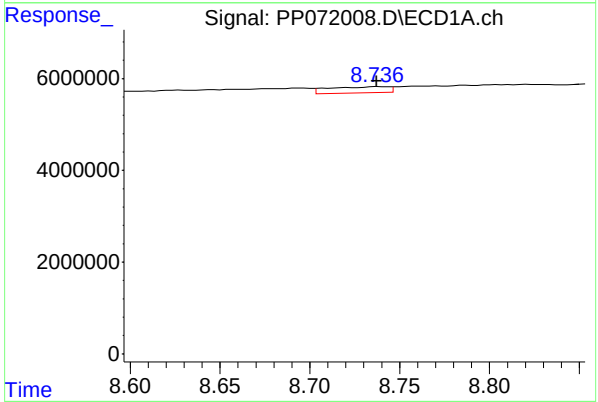
R.T.: 8.415 min
Delta R.T.: -0.004 min
Response: 1365016
Conc: 4.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



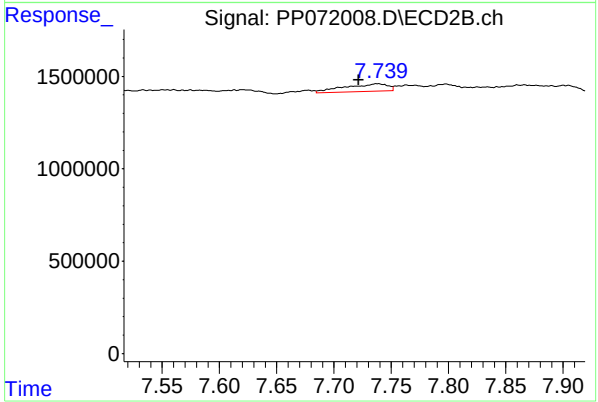
#37 AR-1262-2

R.T.: 7.182 min
Delta R.T.: -0.016 min
Response: 195044
Conc: 2.11 ng/ml



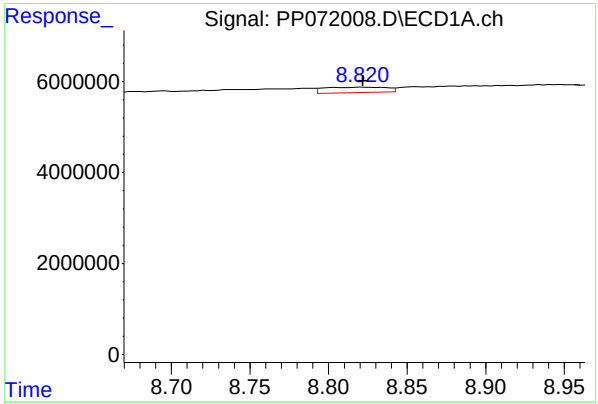
#38 AR-1262-3

R.T.: 8.737 min
Delta R.T.: 0.000 min
Response: 3045474
Conc: 16.65 ng/ml



#38 AR-1262-3

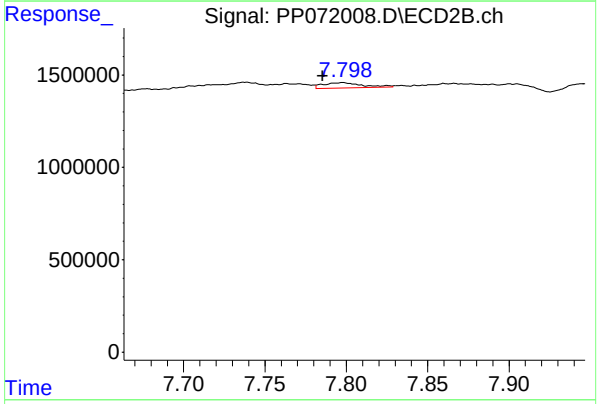
R.T.: 7.738 min
Delta R.T.: 0.017 min
Response: 1085062
Conc: 14.33 ng/ml



#39 AR-1262-4

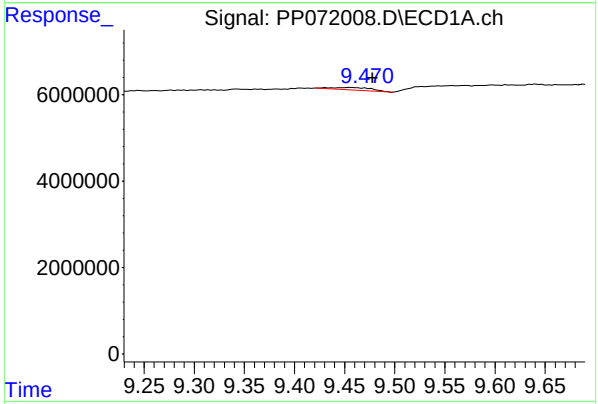
R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 3239942
Conc: 24.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



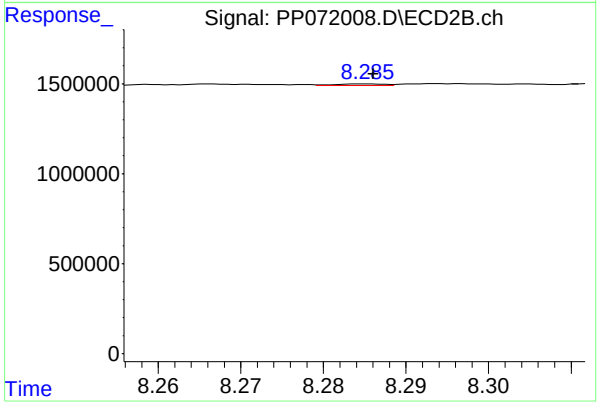
#39 AR-1262-4

R.T.: 7.798 min
Delta R.T.: 0.012 min
Response: 475922
Conc: 3.81 ng/ml



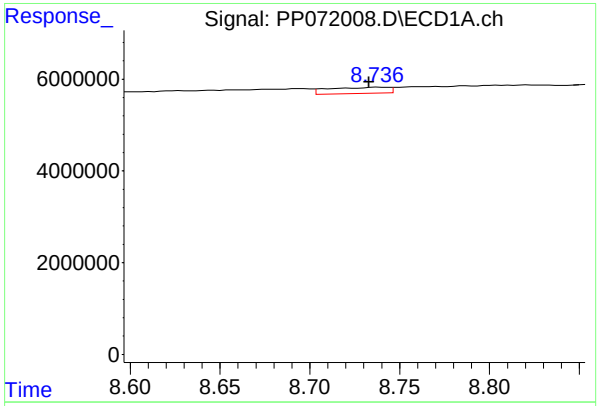
#40 AR-1262-5

R.T.: 9.457 min
Delta R.T.: -0.021 min
Response: 1699306
Conc: 19.27 ng/ml



#40 AR-1262-5

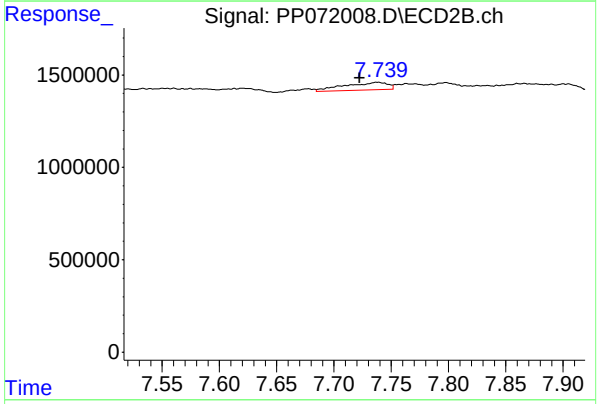
R.T.: 8.285 min
Delta R.T.: 0.000 min
Response: 40260
Conc: 0.73 ng/ml



#41 AR-1268-1

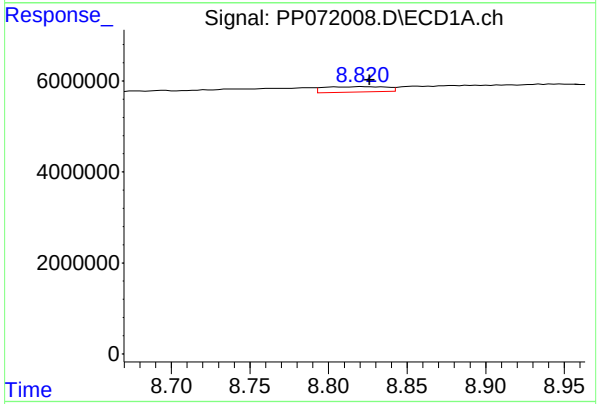
R.T.: 8.737 min
Delta R.T.: 0.005 min
Response: 3045474
Conc: 9.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



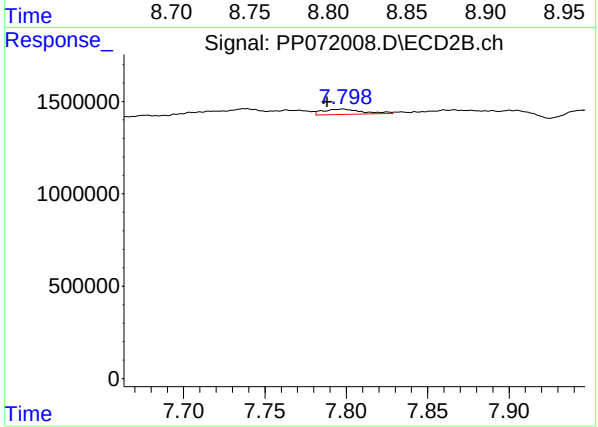
#41 AR-1268-1

R.T.: 7.738 min
Delta R.T.: 0.016 min
Response: 1085062
Conc: 5.43 ng/ml



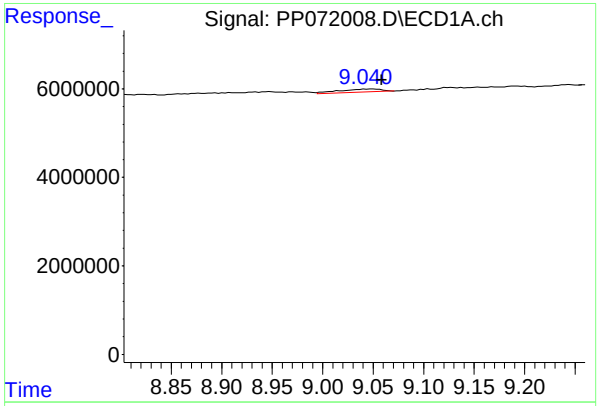
#42 AR-1268-2

R.T.: 8.821 min
Delta R.T.: -0.005 min
Response: 3239942
Conc: 12.57 ng/ml



#42 AR-1268-2

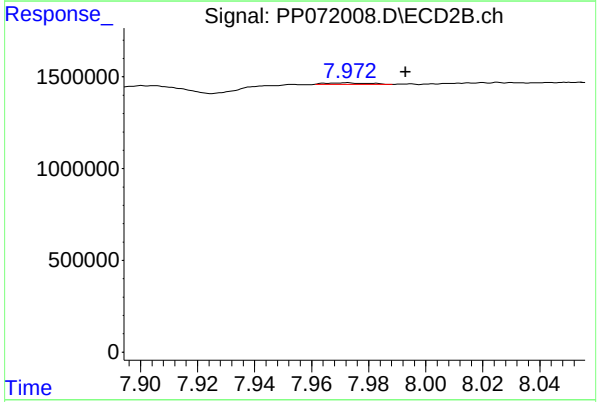
R.T.: 7.798 min
Delta R.T.: 0.009 min
Response: 475922
Conc: 2.82 ng/ml



#43 AR-1268-3

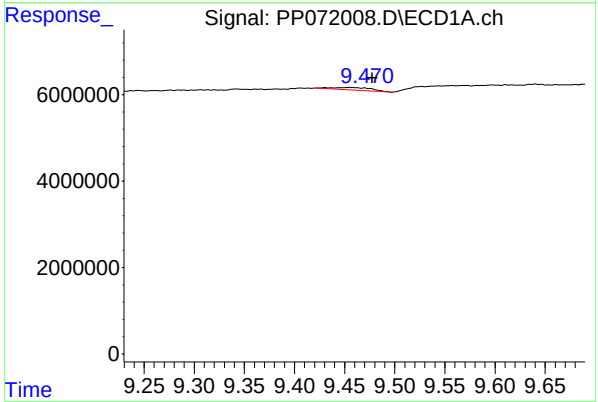
R.T.: 9.050 min
Delta R.T.: -0.009 min
Response: 1995644
Conc: 8.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



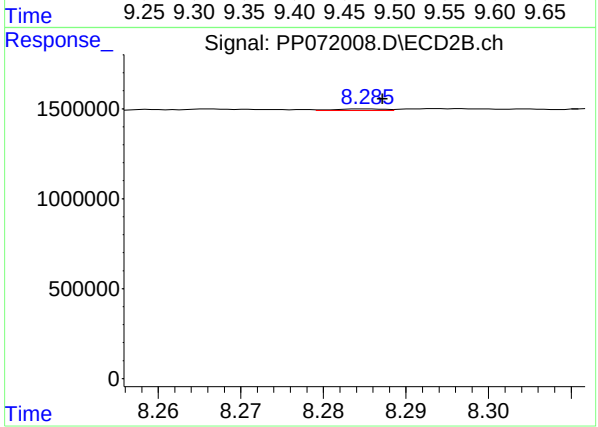
#43 AR-1268-3

R.T.: 7.972 min
Delta R.T.: -0.020 min
Response: 85367
Conc: 0.61 ng/ml



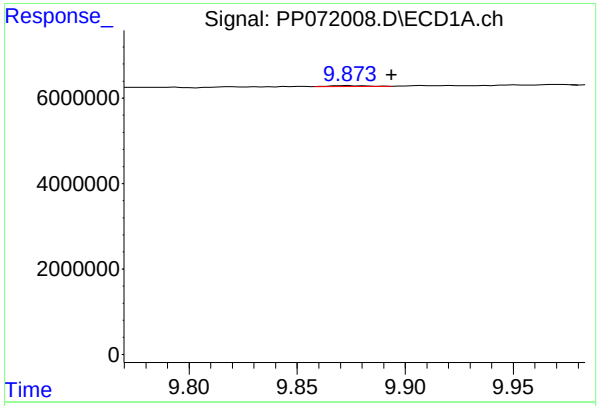
#44 AR-1268-4

R.T.: 9.457 min
Delta R.T.: -0.021 min
Response: 1699306
Conc: 18.07 ng/ml



#44 AR-1268-4

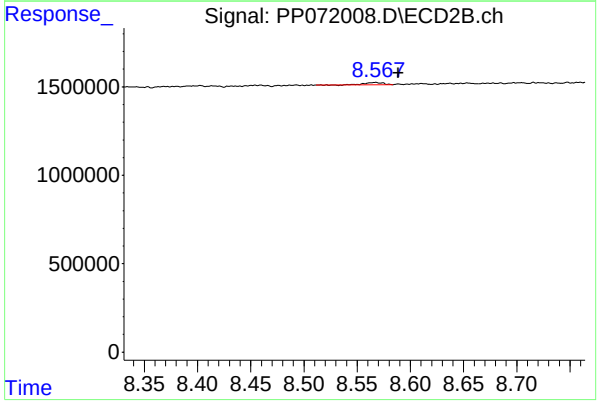
R.T.: 8.285 min
Delta R.T.: -0.002 min
Response: 40260
Conc: 0.66 ng/ml



#45 AR-1268-5

R.T.: 9.875 min
Delta R.T.: -0.019 min
Response: 266863
Conc: 0.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
OU4-TS-27-050725



#45 AR-1268-5

R.T.: 8.567 min
Delta R.T.: -0.021 min
Response: 146773
Conc: 0.39 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:35
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: May 13 22:54:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.505	3.803	100.1E6	79605431	50.484	56.512	
2)	SA Decachlor...	10.212	8.826	76461044	48434388	52.804	55.224	
	Target Compounds							
3)	L1 AR-1016-1	5.679	4.904	51216047	36058199	763.851	673.562	
4)	L1 AR-1016-2	5.679	4.904	51216047	36058199	499.044	472.190	
5)	L1 AR-1016-3	5.742	5.081	30533717	22225325	495.298	526.537	
6)	L1 AR-1016-4	5.839	5.122	25360330	18405328	494.371	533.705	
7)	L1 AR-1016-5	6.131	5.337	23204255	24941271	481.033	561.143	
8)	L2 AR-1221-1	4.703	4.012	3221877	3402416	133.594	154.691	
9)	L2 AR-1221-2	4.794	4.100	4852606	4789720	269.336	289.204	
10)	L2 AR-1221-3	4.868	4.175	18440536	17602584	325.740	363.112	
11)	L3 AR-1232-1	4.868	4.175	18440536	17602584	410.592	459.384	
12)	L3 AR-1232-2	5.393	4.904	25425565	36058199	1104.830	944.244	
13)	L3 AR-1232-3	5.679	5.081	51216047	22225325	1084.682	1049.588	
14)	L3 AR-1232-4	5.839	5.165	25360330	22447971	1094.092	1210.759	
15)	L3 AR-1232-5	5.929	5.337	20702430	24941271	1282.224	1253.214	
16)	L4 AR-1242-1	5.658	4.904	33079950	36058199	603.964	779.745	#
17)	L4 AR-1242-2	5.679	4.904	51216047	36058199	602.680	546.148	
18)	L4 AR-1242-3	5.742	5.081	30533717	22225325	597.256	609.777	
19)	L4 AR-1242-4	5.839	5.165	25360330	22447971	600.834	628.608	
20)	L4 AR-1242-5	6.570	5.688	7134031	24788749	154.114	569.751	#
21)	L5 AR-1248-1	5.658	4.904	33079950	36058199	770.396	998.660	#
22)	L5 AR-1248-2	5.929	5.122	20702430	18405328	342.571	375.907	
23)	L5 AR-1248-3	6.131	5.165	23204255	22447971	347.450	439.420	#
24)	L5 AR-1248-4	6.530	5.337	7998185	24941271	94.529	411.183	#
25)	L5 AR-1248-5	6.570	5.729	7134031	6935332	89.795	118.978	#
26)	L6 AR-1254-1	6.530	5.688	7998185	24788749	97.597	271.211	#
27)	L6 AR-1254-2	6.722	5.836	20627536	17711342	162.324	225.014	#
28)	L6 AR-1254-3	7.085	6.254	10600772	40889973	82.965	345.039	#
29)	L6 AR-1254-4	7.368	6.498	9664021	10692757	82.238	138.569	#
30)	L6 AR-1254-5	7.782	6.884	69674825	50742730	646.752	500.087	
31)	L7 AR-1260-1	7.249	6.370	46373979	41442496	482.938	573.208	
32)	L7 AR-1260-2	7.503	6.558	69858150	49351619	488.254	564.267	
33)	L7 AR-1260-3	7.861	6.711	57556395	43828249	513.419	559.122	
34)	L7 AR-1260-4	8.085	7.181	55841313	35896639	494.763	568.789	
35)	L7 AR-1260-5	8.404	7.422	118.2E6	85964347	521.647	570.141	
36)	L8 AR-1262-1	8.085	6.922	55841313	42400687	386.468	373.205	
37)	L8 AR-1262-2	8.404	7.181	118.2E6	35896639	431.062	388.747	
38)	L8 AR-1262-3	8.727	7.704	75779160	21797583	414.371	287.968	#
39)	L8 AR-1262-4	8.793	7.767	48002498	61237368	357.664	490.582	#
40)	L8 AR-1262-5	9.459	8.267	31232095	22019049	354.258	396.788	
41)	L9 AR-1268-1	8.727	7.704	75779160	21797583	243.911	109.156	#

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:35
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: May 13 22:54:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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	
42)	L9 AR-1268-2	8.793	7.767	48002498	61237368	186.239	362.294	#
43)	L9 AR-1268-3	9.039	7.972	3228846	799936	14.485	5.751	#
44)	L9 AR-1268-4	9.459	8.267	31232095	22019049	332.049	362.173	
45)	L9 AR-1268-5	9.873	8.565	7567735	5983793	12.651	16.029	#

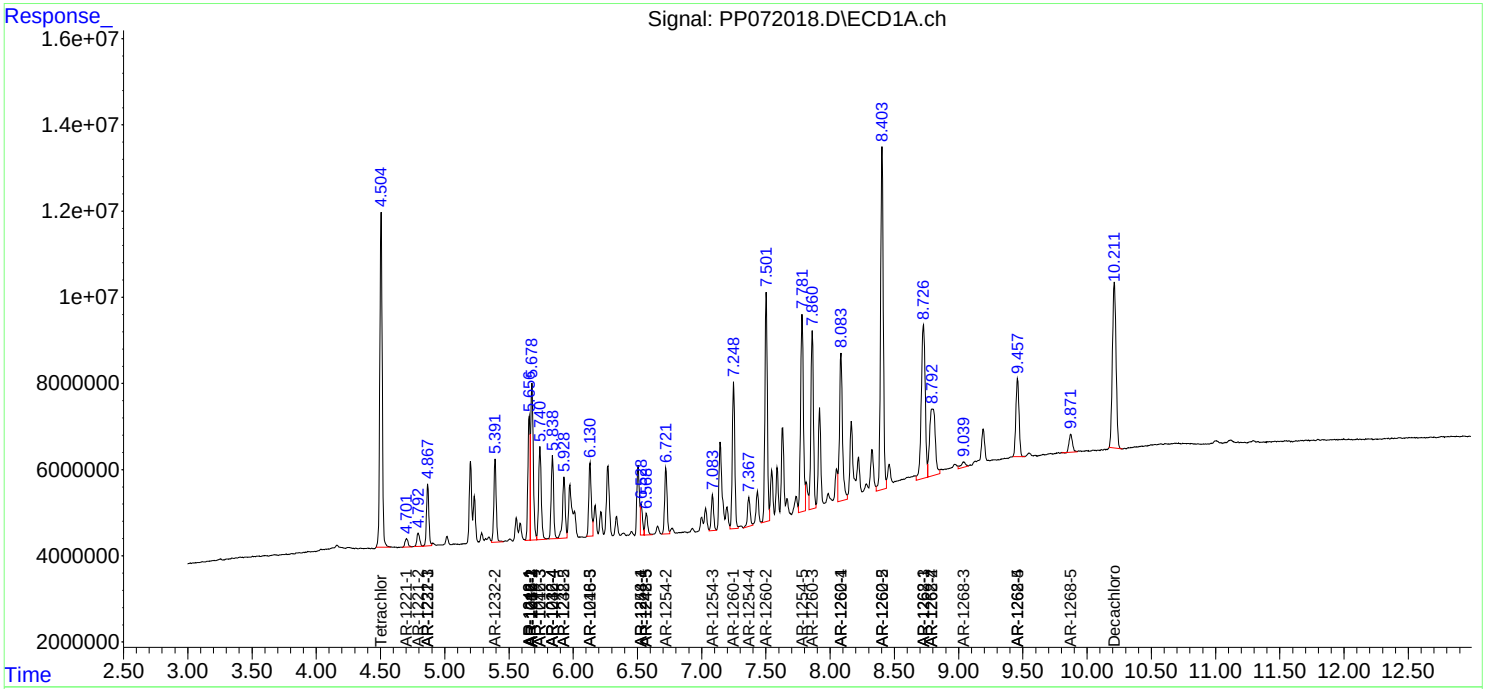
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

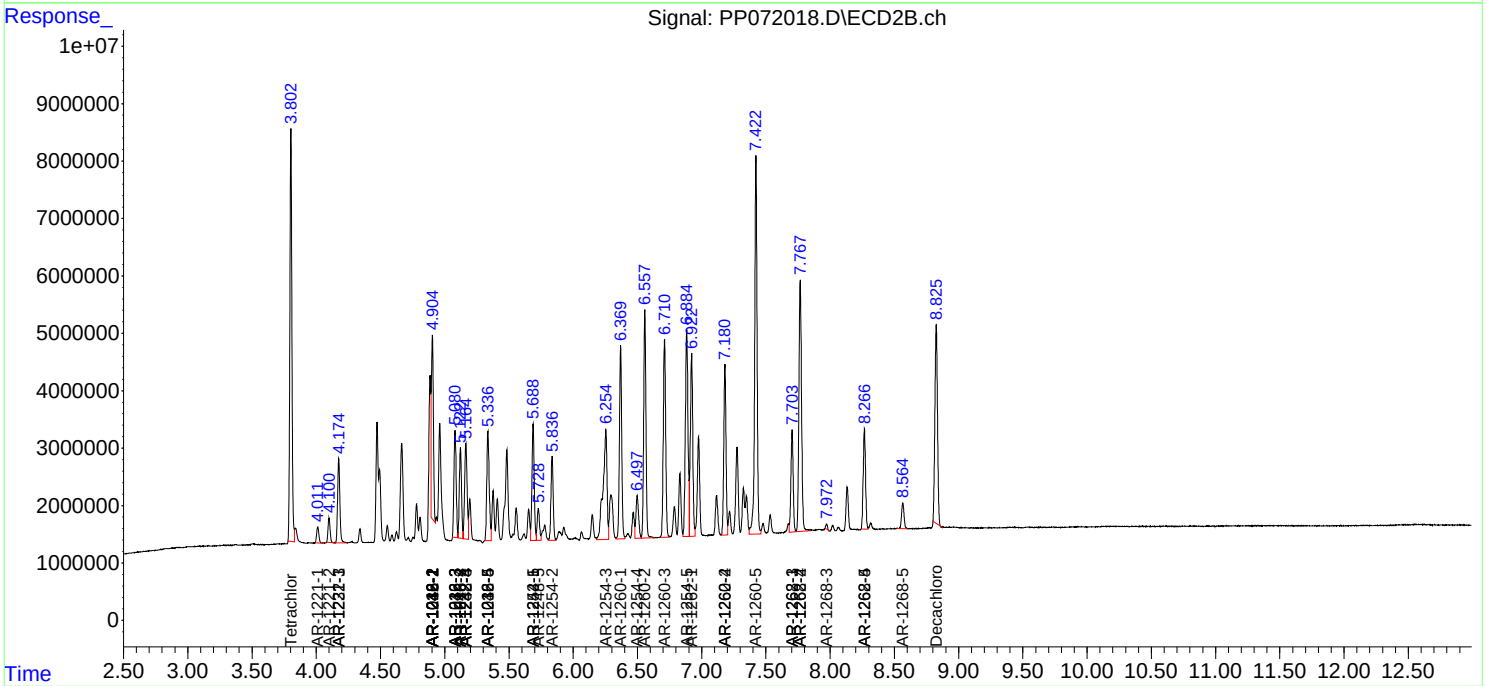
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:35
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

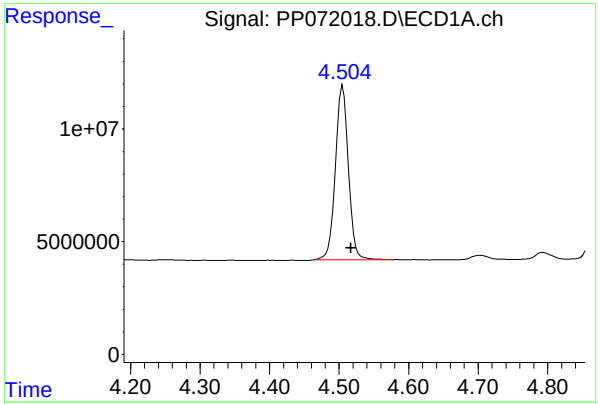
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:54:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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



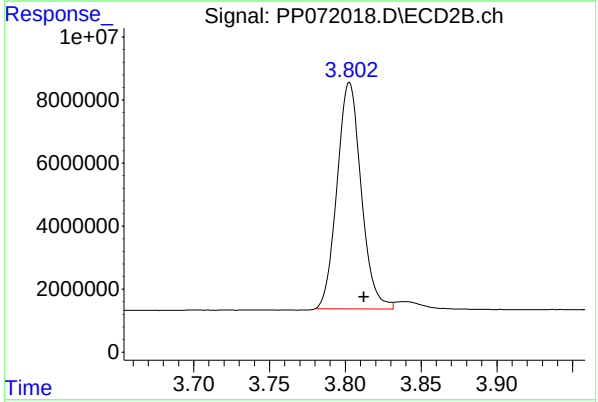




#1 Tetrachloro-m-xylene

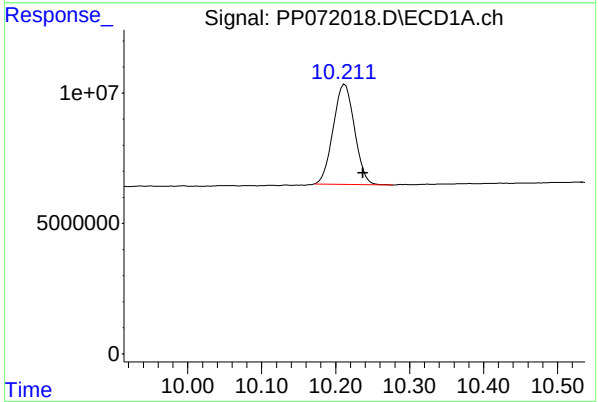
R.T.: 4.505 min
Delta R.T.: -0.012 mi
Response: 100091027
Conc: 50.48 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



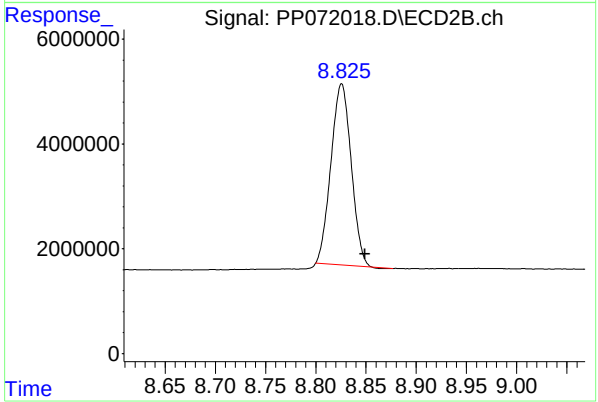
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.010 min
Response: 79605431
Conc: 56.51 ng/ml



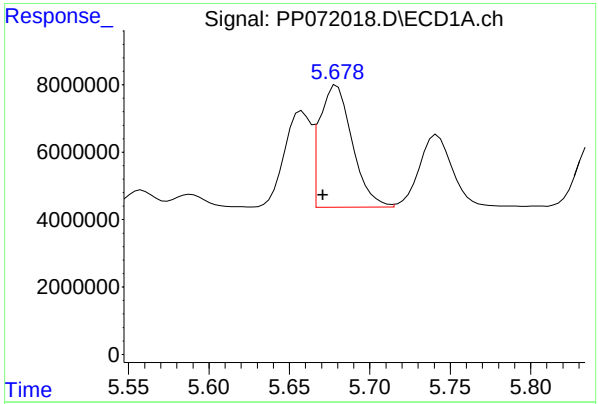
#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.025 min
Response: 76461044
Conc: 52.80 ng/ml



#2 Decachlorobiphenyl

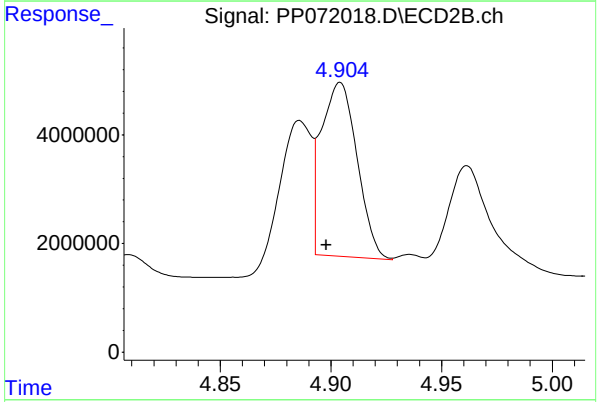
R.T.: 8.826 min
Delta R.T.: -0.023 min
Response: 48434388
Conc: 55.22 ng/ml



#3 AR-1016-1

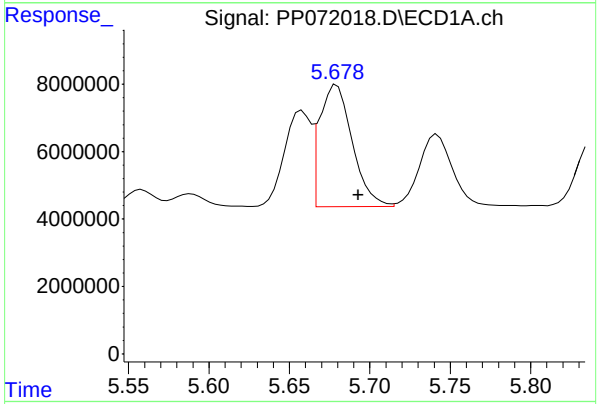
R.T.: 5.679 min
Delta R.T.: 0.008 min
Response: 51216047
Conc: 763.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



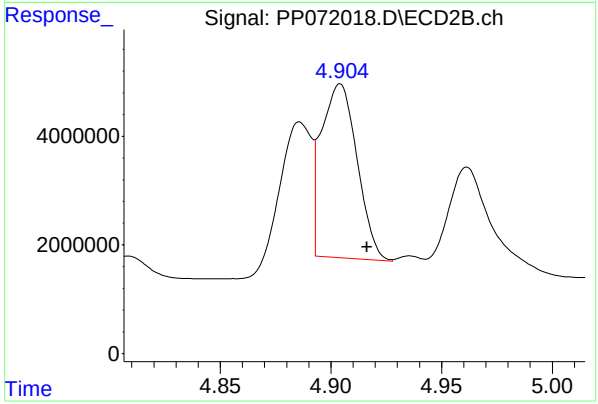
#3 AR-1016-1

R.T.: 4.904 min
Delta R.T.: 0.006 min
Response: 36058199
Conc: 673.56 ng/ml



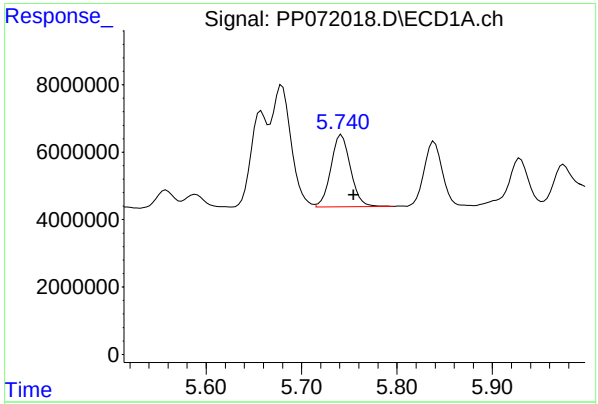
#4 AR-1016-2

R.T.: 5.679 min
Delta R.T.: -0.013 min
Response: 51216047
Conc: 499.04 ng/ml



#4 AR-1016-2

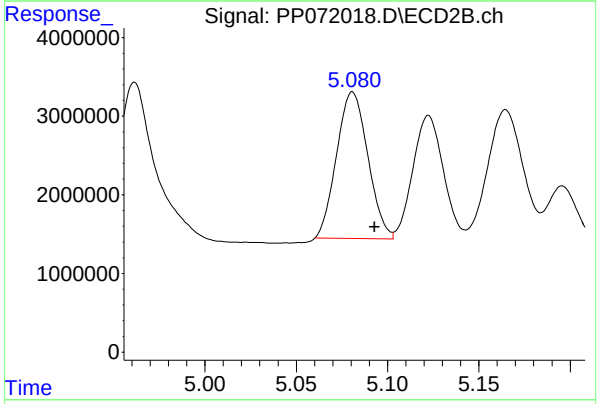
R.T.: 4.904 min
Delta R.T.: -0.012 min
Response: 36058199
Conc: 472.19 ng/ml



#5 AR-1016-3

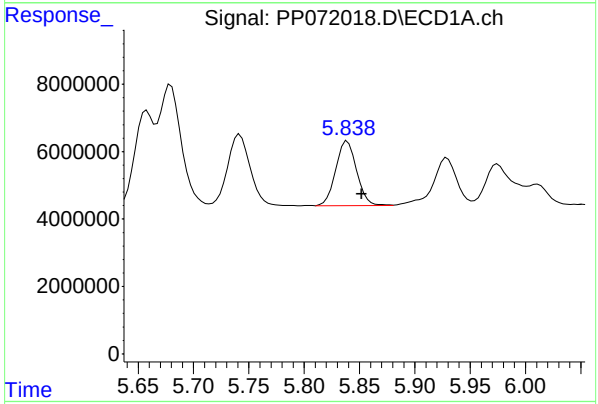
R.T.: 5.742 min
Delta R.T.: -0.013 min
Response: 30533717
Conc: 495.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



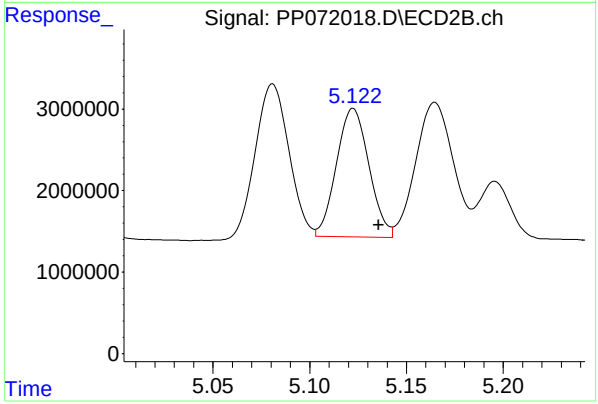
#5 AR-1016-3

R.T.: 5.081 min
Delta R.T.: -0.012 min
Response: 22225325
Conc: 526.54 ng/ml



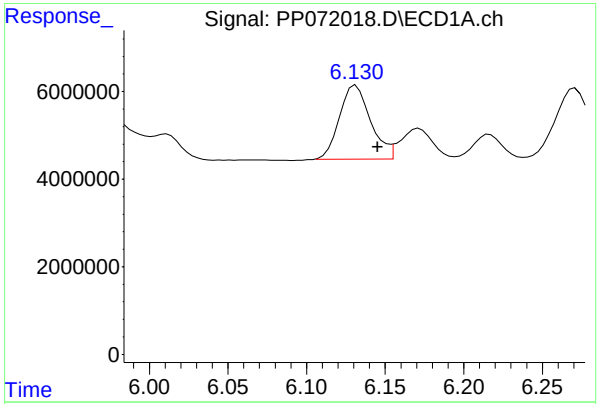
#6 AR-1016-4

R.T.: 5.839 min
Delta R.T.: -0.013 min
Response: 25360330
Conc: 494.37 ng/ml



#6 AR-1016-4

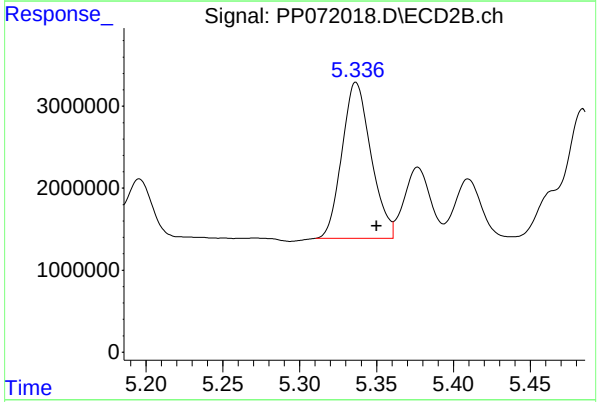
R.T.: 5.122 min
Delta R.T.: -0.013 min
Response: 18405328
Conc: 533.71 ng/ml



#7 AR-1016-5

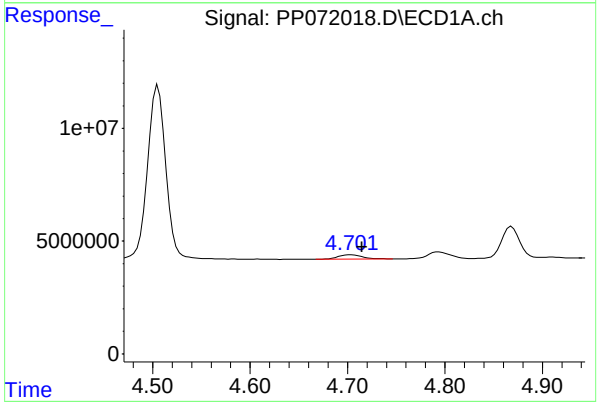
R.T.: 6.131 min
Delta R.T.: -0.014 min
Response: 23204255
Conc: 481.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



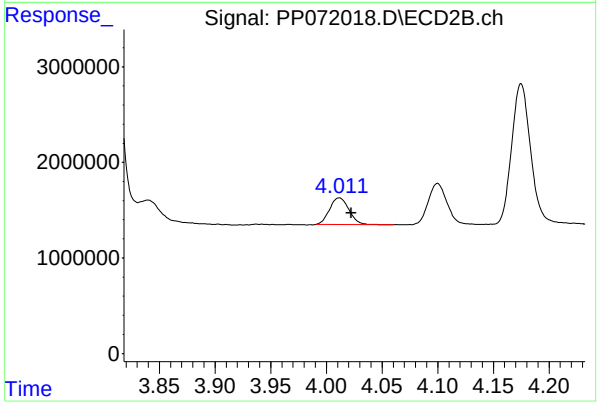
#7 AR-1016-5

R.T.: 5.337 min
Delta R.T.: -0.013 min
Response: 24941271
Conc: 561.14 ng/ml



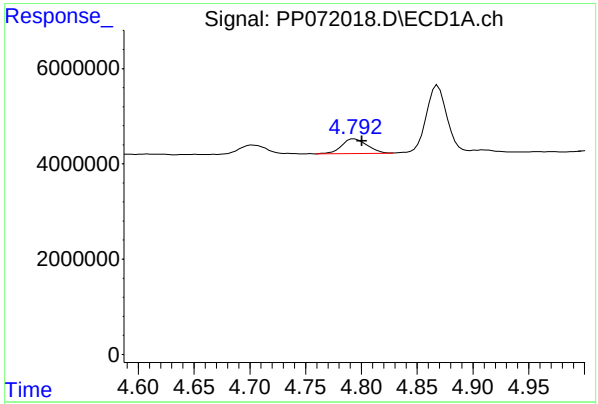
#8 AR-1221-1

R.T.: 4.703 min
Delta R.T.: -0.012 min
Response: 3221877
Conc: 133.59 ng/ml



#8 AR-1221-1

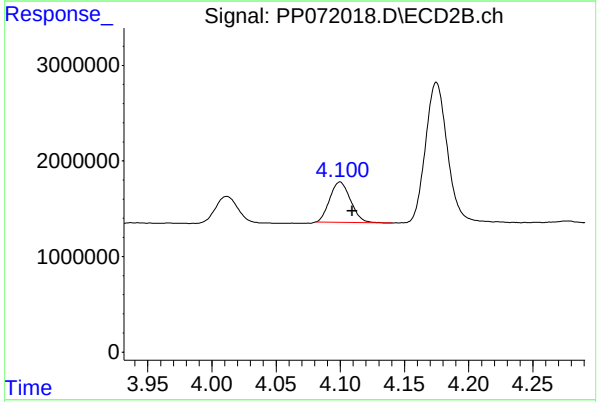
R.T.: 4.012 min
Delta R.T.: -0.011 min
Response: 3402416
Conc: 154.69 ng/ml



#9 AR-1221-2

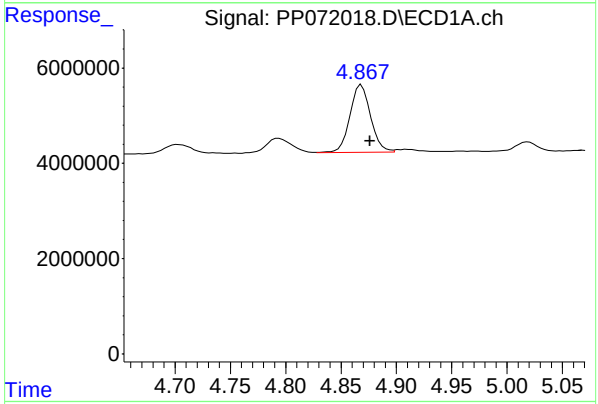
R.T.: 4.794 min
Delta R.T.: -0.007 min
Response: 4852606
Conc: 269.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



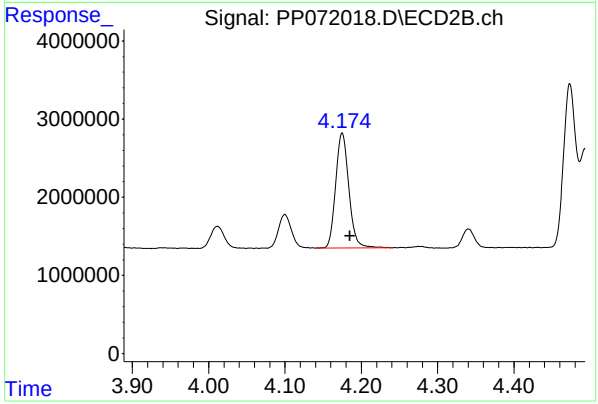
#9 AR-1221-2

R.T.: 4.100 min
Delta R.T.: -0.009 min
Response: 4789720
Conc: 289.20 ng/ml



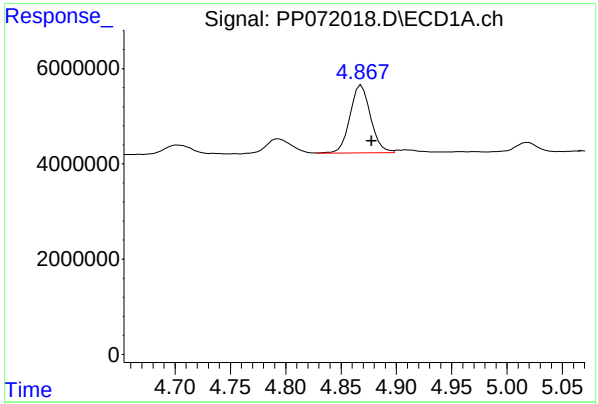
#10 AR-1221-3

R.T.: 4.868 min
Delta R.T.: -0.008 min
Response: 18440536
Conc: 325.74 ng/ml



#10 AR-1221-3

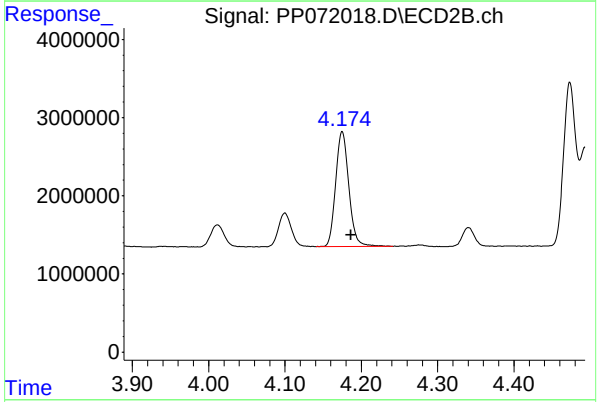
R.T.: 4.175 min
Delta R.T.: -0.010 min
Response: 17602584
Conc: 363.11 ng/ml



#11 AR-1232-1

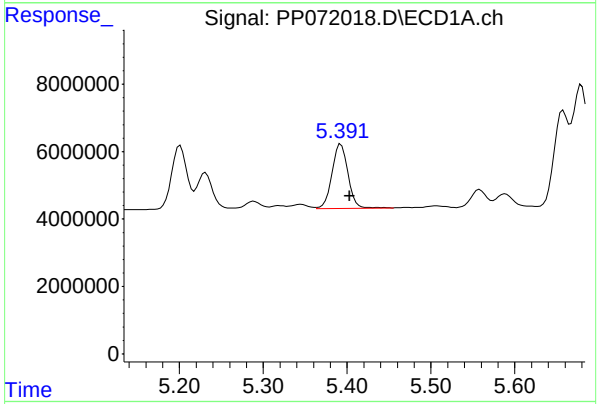
R.T.: 4.868 min
Delta R.T.: -0.009 min
Response: 18440536
Conc: 410.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



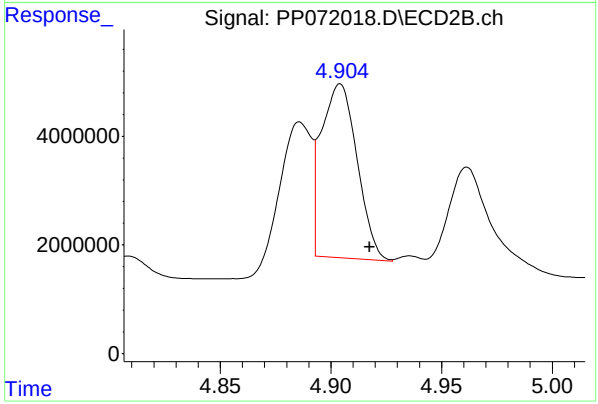
#11 AR-1232-1

R.T.: 4.175 min
Delta R.T.: -0.012 min
Response: 17602584
Conc: 459.38 ng/ml



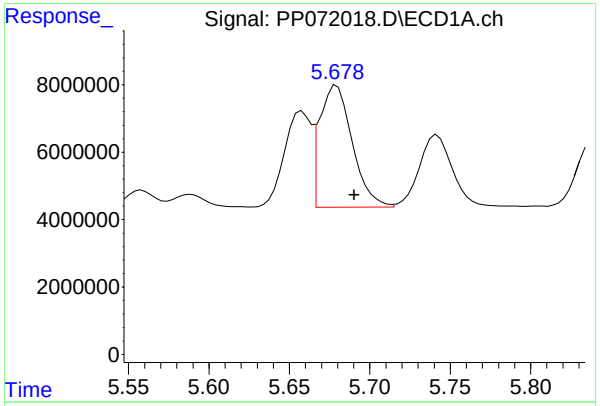
#12 AR-1232-2

R.T.: 5.393 min
Delta R.T.: -0.010 min
Response: 25425565
Conc: 1104.83 ng/ml



#12 AR-1232-2

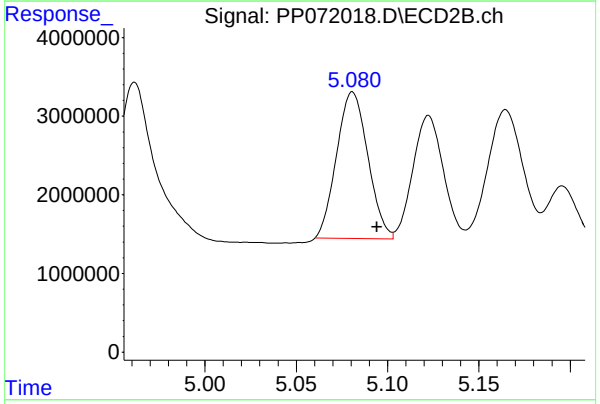
R.T.: 4.904 min
Delta R.T.: -0.013 min
Response: 36058199
Conc: 944.24 ng/ml



#13 AR-1232-3

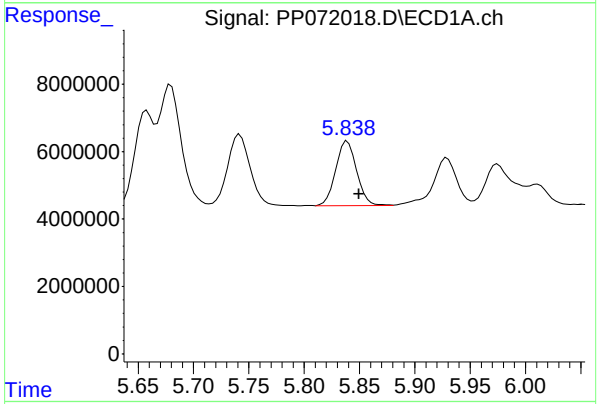
R.T.: 5.679 min
Delta R.T.: -0.011 min
Response: 51216047
Conc: 1084.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



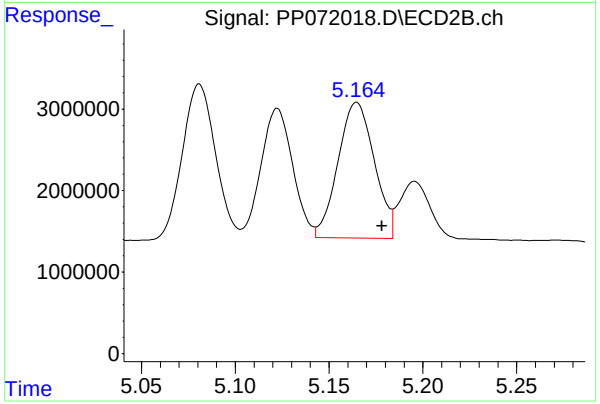
#13 AR-1232-3

R.T.: 5.081 min
Delta R.T.: -0.013 min
Response: 22225325
Conc: 1049.59 ng/ml



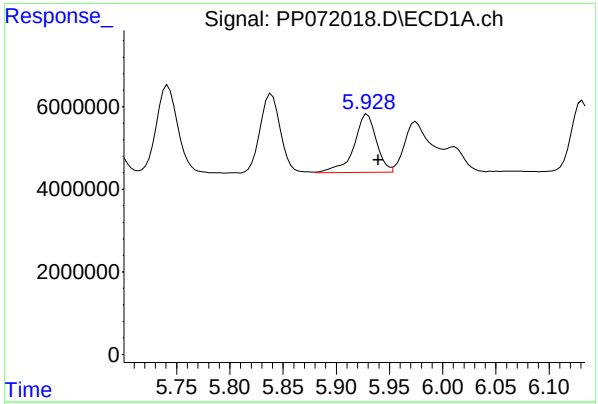
#14 AR-1232-4

R.T.: 5.839 min
Delta R.T.: -0.011 min
Response: 25360330
Conc: 1094.09 ng/ml



#14 AR-1232-4

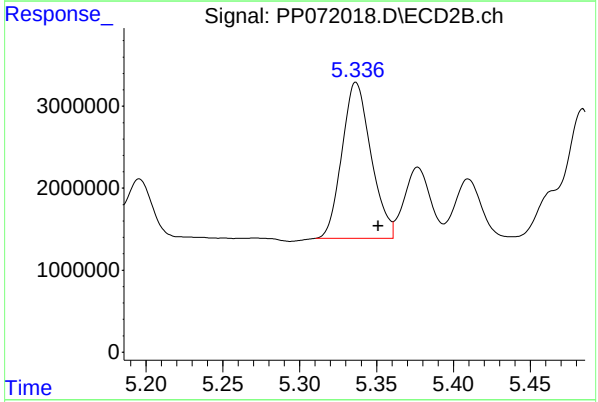
R.T.: 5.165 min
Delta R.T.: -0.014 min
Response: 22447971
Conc: 1210.76 ng/ml



#15 AR-1232-5

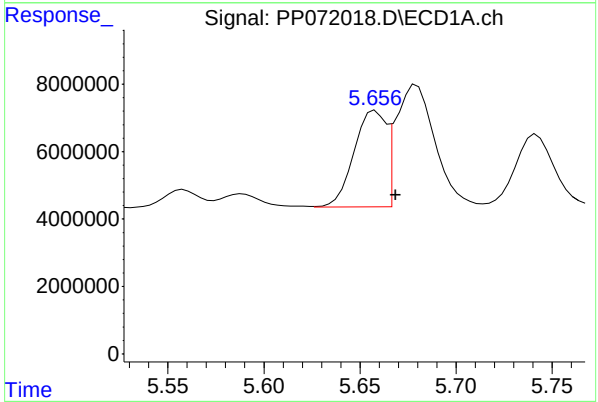
R.T.: 5.929 min
Delta R.T.: -0.010 mi
Response: 20702430
Conc: 1282.22 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



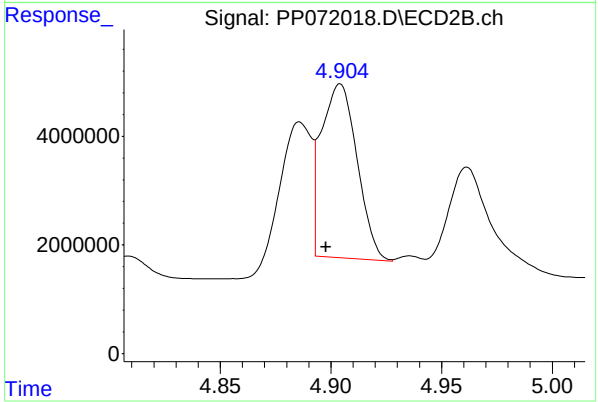
#15 AR-1232-5

R.T.: 5.337 min
Delta R.T.: -0.015 min
Response: 24941271
Conc: 1253.21 ng/ml



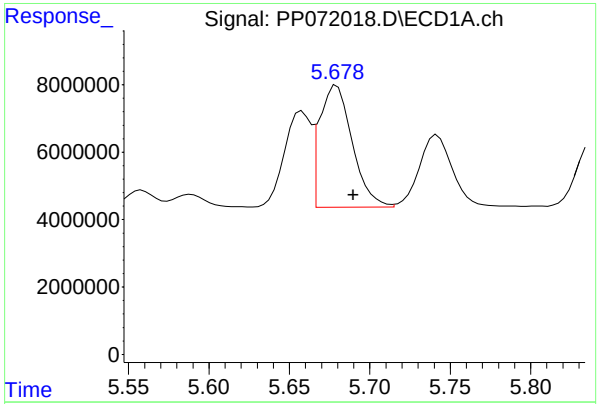
#16 AR-1242-1

R.T.: 5.658 min
Delta R.T.: -0.011 min
Response: 33079950
Conc: 603.96 ng/ml



#16 AR-1242-1

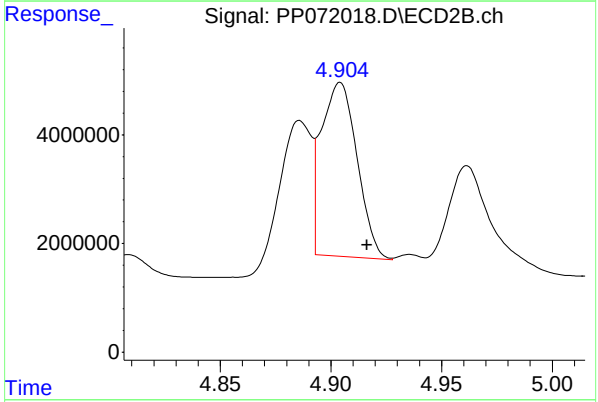
R.T.: 4.904 min
Delta R.T.: 0.006 min
Response: 36058199
Conc: 779.74 ng/ml



#17 AR-1242-2

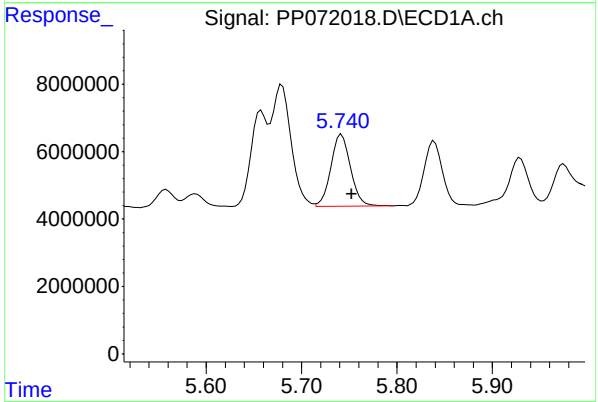
R.T.: 5.679 min
Delta R.T.: -0.010 min
Response: 51216047
Conc: 602.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



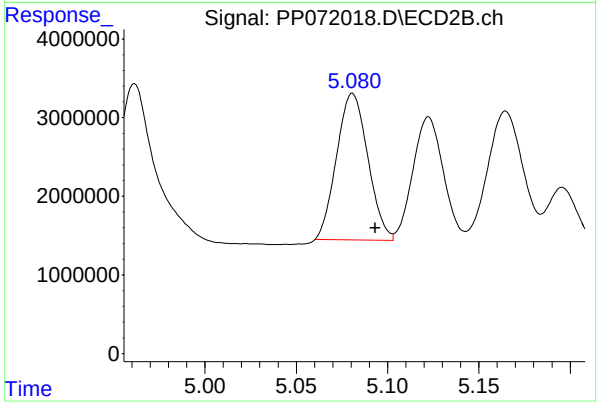
#17 AR-1242-2

R.T.: 4.904 min
Delta R.T.: -0.012 min
Response: 36058199
Conc: 546.15 ng/ml



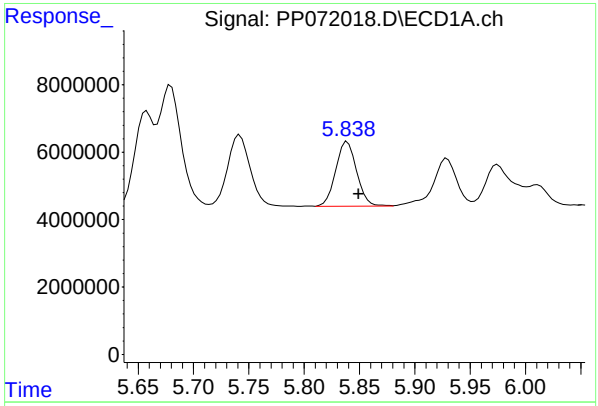
#18 AR-1242-3

R.T.: 5.742 min
Delta R.T.: -0.011 min
Response: 30533717
Conc: 597.26 ng/ml



#18 AR-1242-3

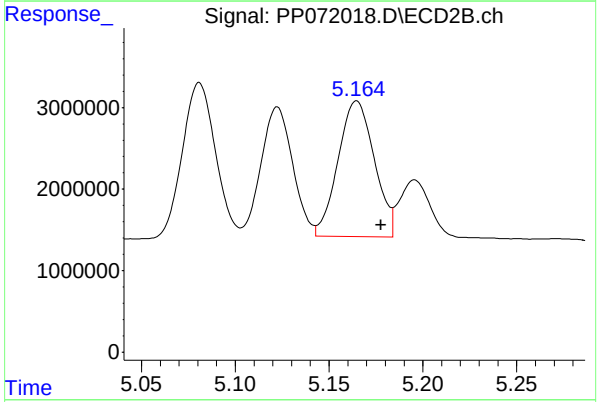
R.T.: 5.081 min
Delta R.T.: -0.012 min
Response: 22225325
Conc: 609.78 ng/ml



#19 AR-1242-4

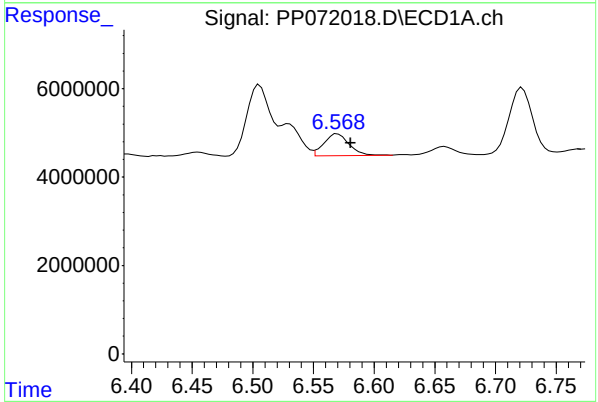
R.T.: 5.839 min
Delta R.T.: -0.010 min
Response: 25360330
Conc: 600.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



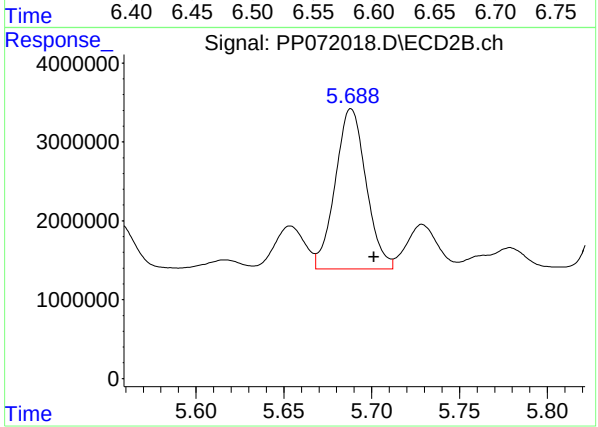
#19 AR-1242-4

R.T.: 5.165 min
Delta R.T.: -0.013 min
Response: 22447971
Conc: 628.61 ng/ml



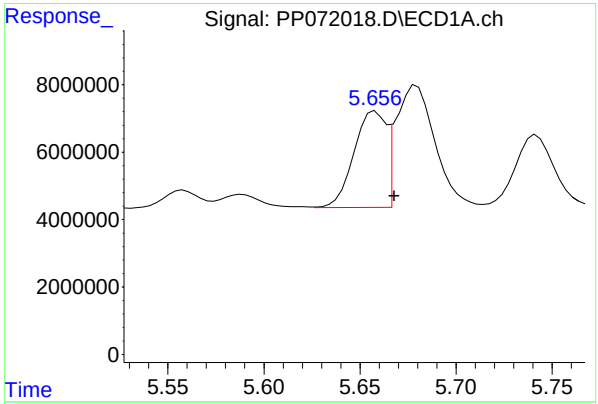
#20 AR-1242-5

R.T.: 6.570 min
Delta R.T.: -0.011 min
Response: 7134031
Conc: 154.11 ng/ml



#20 AR-1242-5

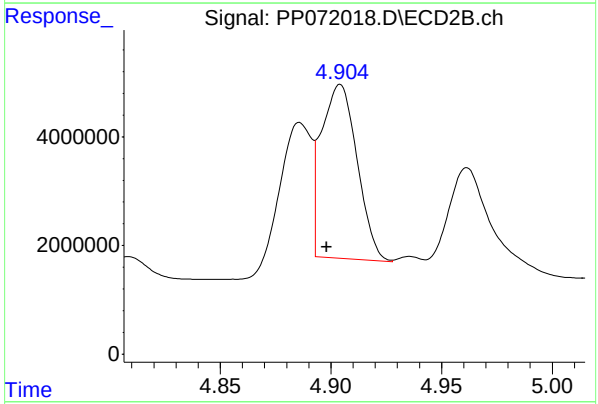
R.T.: 5.688 min
Delta R.T.: -0.013 min
Response: 24788749
Conc: 569.75 ng/ml



#21 AR-1248-1

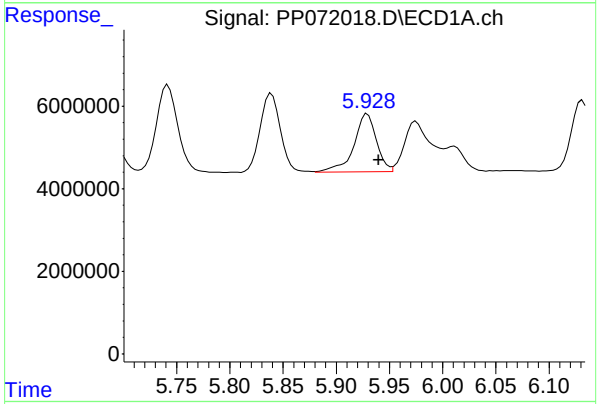
R.T.: 5.658 min
Delta R.T.: -0.010 min
Response: 33079950
Conc: 770.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



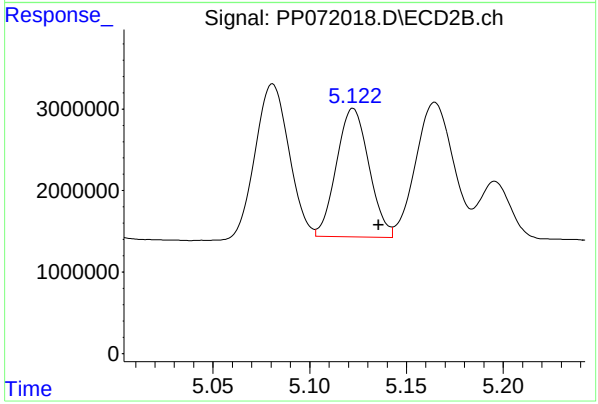
#21 AR-1248-1

R.T.: 4.904 min
Delta R.T.: 0.006 min
Response: 36058199
Conc: 998.66 ng/ml



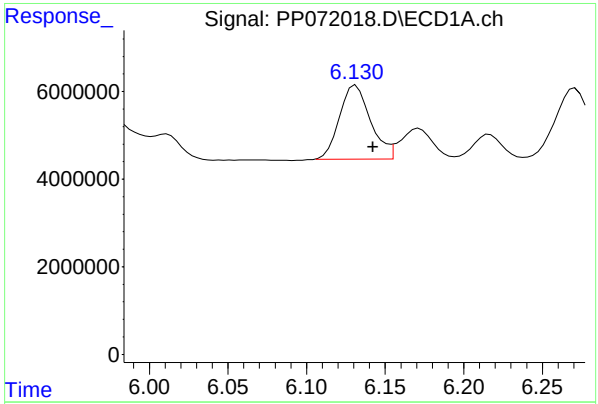
#22 AR-1248-2

R.T.: 5.929 min
Delta R.T.: -0.011 min
Response: 20702430
Conc: 342.57 ng/ml



#22 AR-1248-2

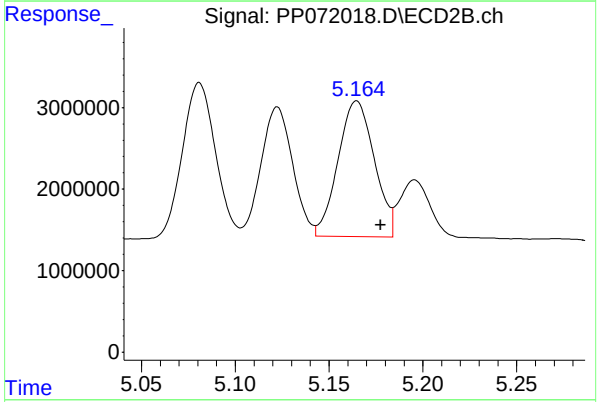
R.T.: 5.122 min
Delta R.T.: -0.013 min
Response: 18405328
Conc: 375.91 ng/ml



#23 AR-1248-3

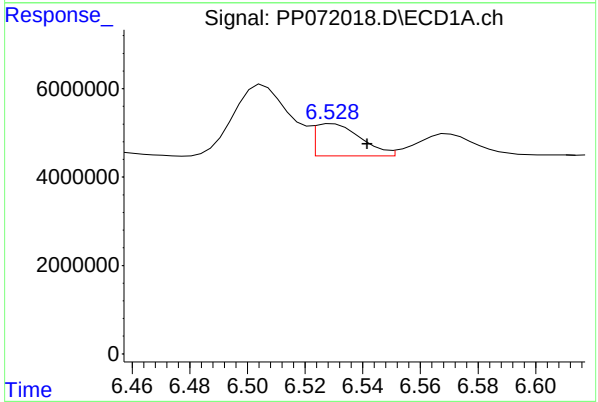
R.T.: 6.131 min
Delta R.T.: -0.011 min
Response: 23204255
Conc: 347.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



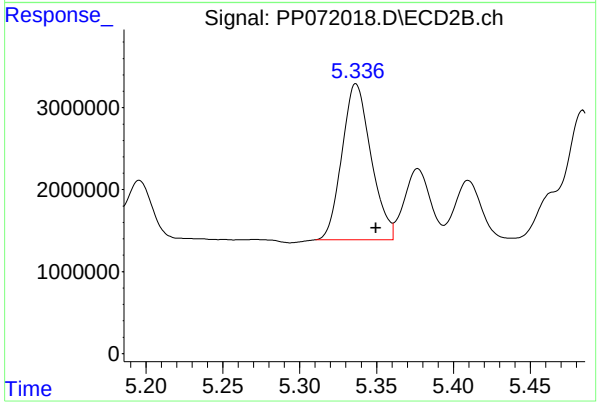
#23 AR-1248-3

R.T.: 5.165 min
Delta R.T.: -0.013 min
Response: 22447971
Conc: 439.42 ng/ml



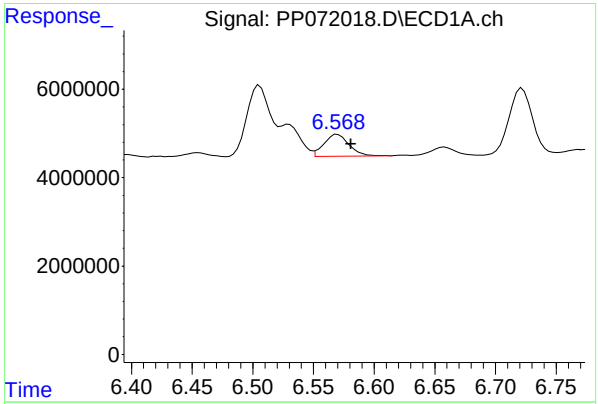
#24 AR-1248-4

R.T.: 6.530 min
Delta R.T.: -0.012 min
Response: 7998185
Conc: 94.53 ng/ml



#24 AR-1248-4

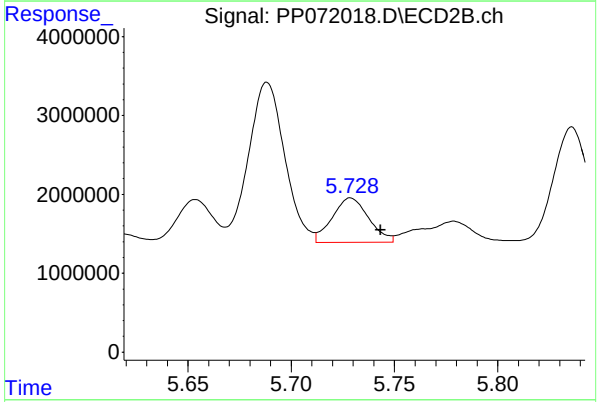
R.T.: 5.337 min
Delta R.T.: -0.013 min
Response: 24941271
Conc: 411.18 ng/ml



#25 AR-1248-5

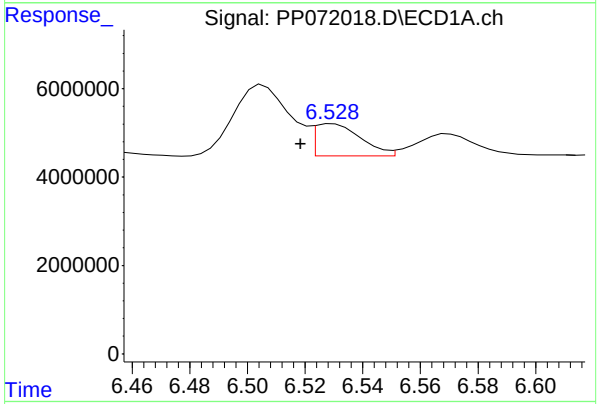
R.T.: 6.570 min
Delta R.T.: -0.011 min
Response: 7134031
Conc: 89.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



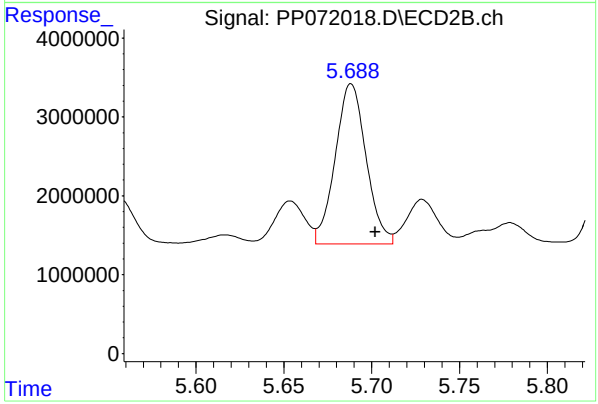
#25 AR-1248-5

R.T.: 5.729 min
Delta R.T.: -0.015 min
Response: 6935332
Conc: 118.98 ng/ml



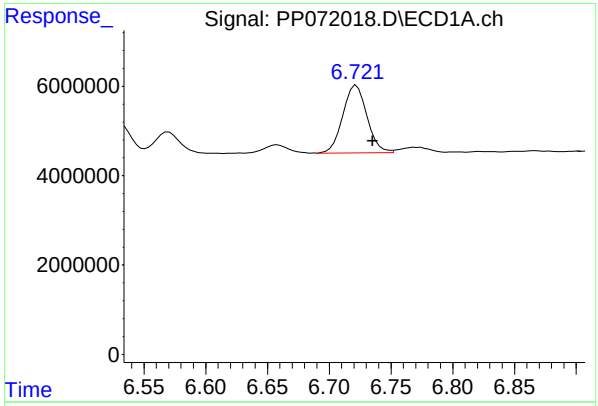
#26 AR-1254-1

R.T.: 6.530 min
Delta R.T.: 0.011 min
Response: 7998185
Conc: 97.60 ng/ml



#26 AR-1254-1

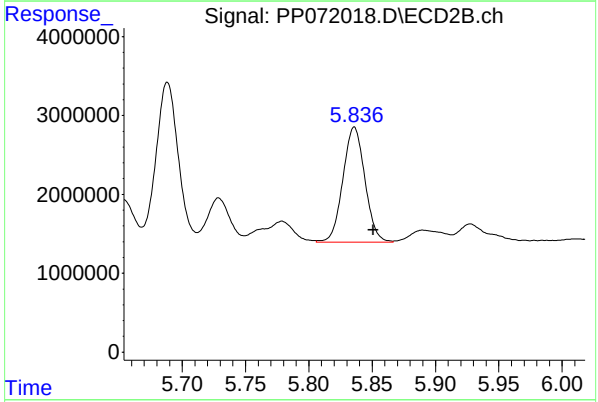
R.T.: 5.688 min
Delta R.T.: -0.014 min
Response: 24788749
Conc: 271.21 ng/ml



#27 AR-1254-2

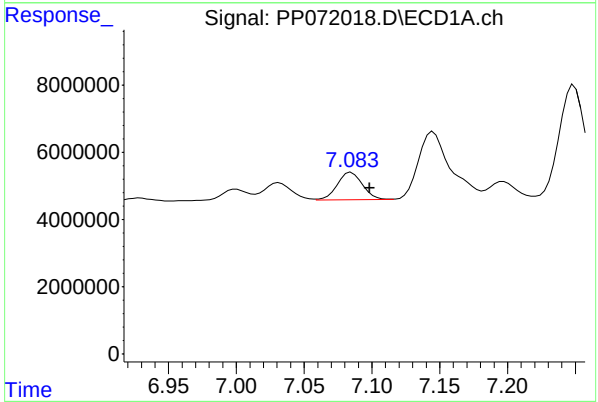
R.T.: 6.722 min
Delta R.T.: -0.013 min
Response: 20627536
Conc: 162.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



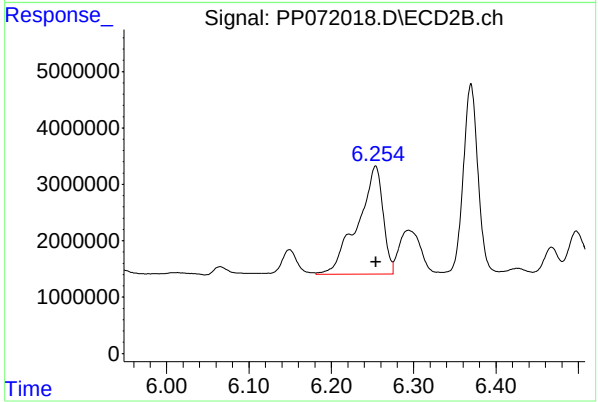
#27 AR-1254-2

R.T.: 5.836 min
Delta R.T.: -0.015 min
Response: 17711342
Conc: 225.01 ng/ml



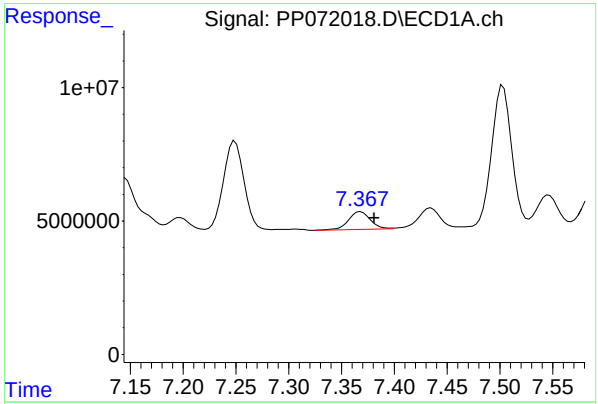
#28 AR-1254-3

R.T.: 7.085 min
Delta R.T.: -0.013 min
Response: 10600772
Conc: 82.96 ng/ml



#28 AR-1254-3

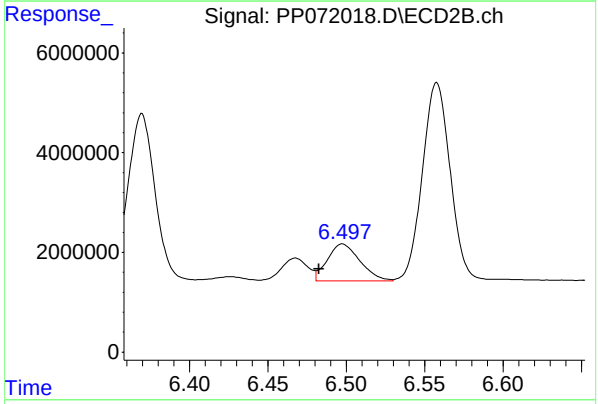
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 40889973
Conc: 345.04 ng/ml



#29 AR-1254-4

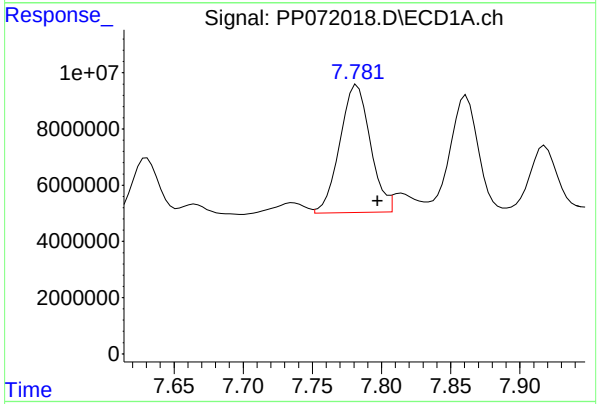
R.T.: 7.368 min
Delta R.T.: -0.013 min
Response: 9664021
Conc: 82.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



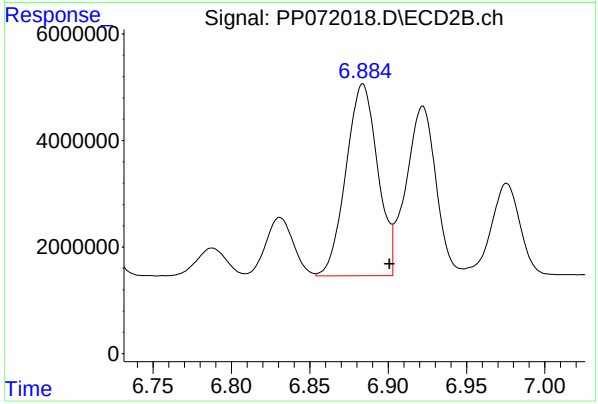
#29 AR-1254-4

R.T.: 6.498 min
Delta R.T.: 0.015 min
Response: 10692757
Conc: 138.57 ng/ml



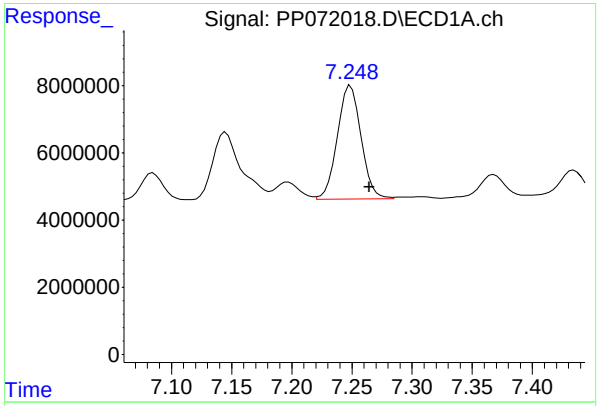
#30 AR-1254-5

R.T.: 7.782 min
Delta R.T.: -0.015 min
Response: 69674825
Conc: 646.75 ng/ml



#30 AR-1254-5

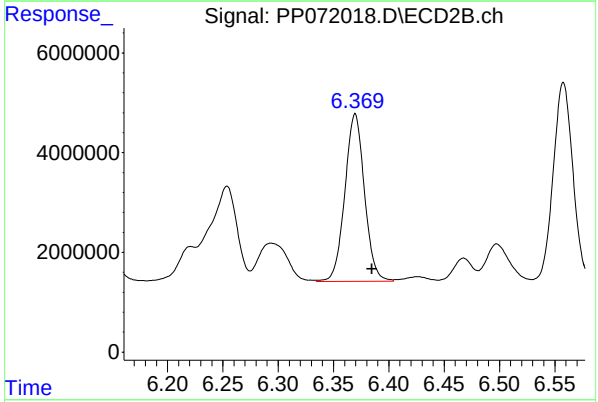
R.T.: 6.884 min
Delta R.T.: -0.017 min
Response: 50742730
Conc: 500.09 ng/ml



#31 AR-1260-1

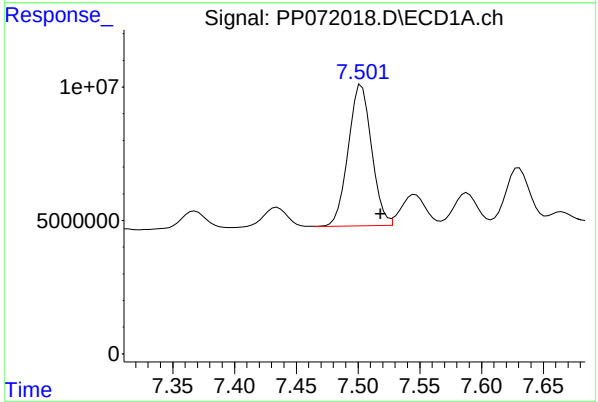
R.T.: 7.249 min
Delta R.T.: -0.016 min
Response: 46373979
Conc: 482.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



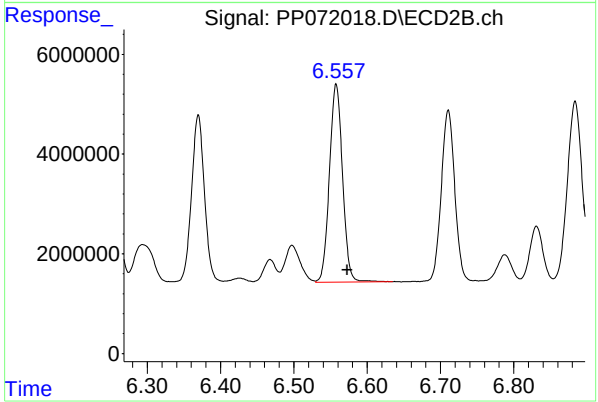
#31 AR-1260-1

R.T.: 6.370 min
Delta R.T.: -0.015 min
Response: 41442496
Conc: 573.21 ng/ml



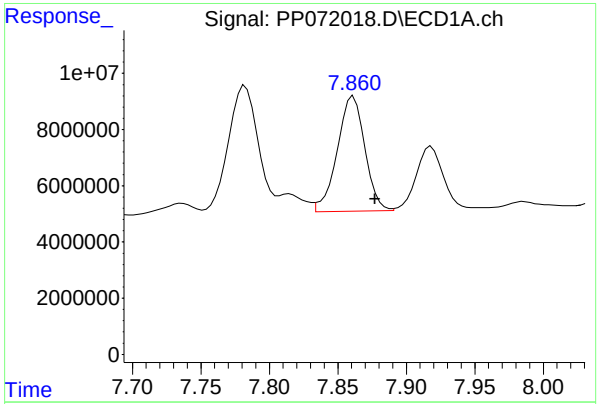
#32 AR-1260-2

R.T.: 7.503 min
Delta R.T.: -0.016 min
Response: 69858150
Conc: 488.25 ng/ml



#32 AR-1260-2

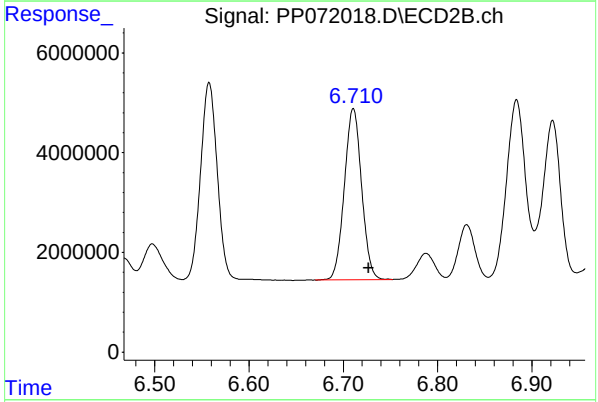
R.T.: 6.558 min
Delta R.T.: -0.016 min
Response: 49351619
Conc: 564.27 ng/ml



#33 AR-1260-3

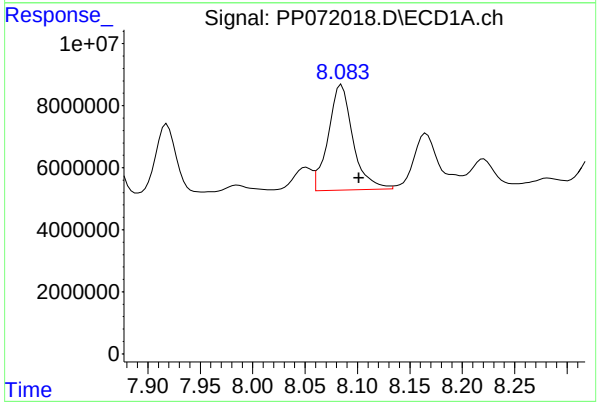
R.T.: 7.861 min
Delta R.T.: -0.016 min
Response: 57556395
Conc: 513.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



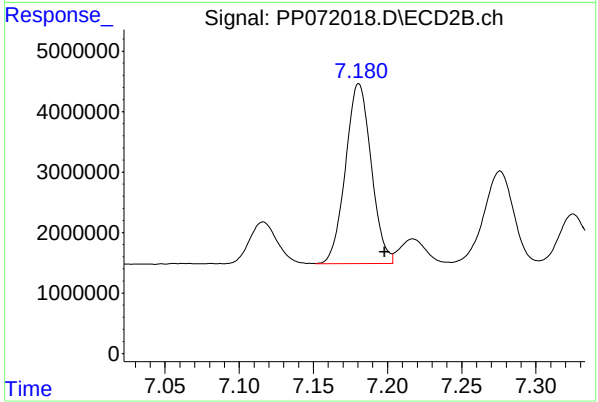
#33 AR-1260-3

R.T.: 6.711 min
Delta R.T.: -0.016 min
Response: 43828249
Conc: 559.12 ng/ml



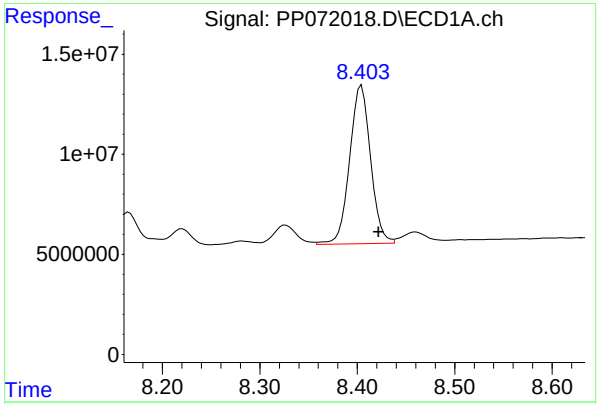
#34 AR-1260-4

R.T.: 8.085 min
Delta R.T.: -0.017 min
Response: 55841313
Conc: 494.76 ng/ml



#34 AR-1260-4

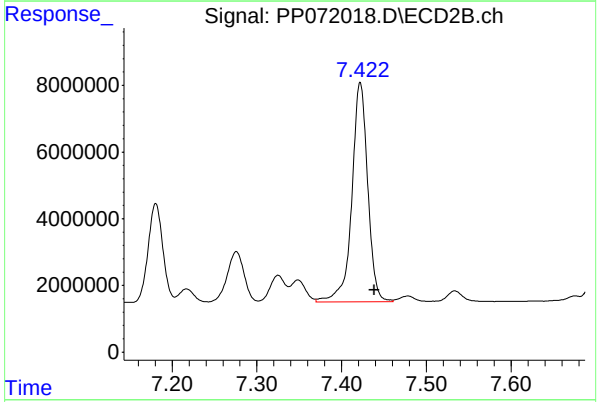
R.T.: 7.181 min
Delta R.T.: -0.017 min
Response: 35896639
Conc: 568.79 ng/ml



#35 AR-1260-5

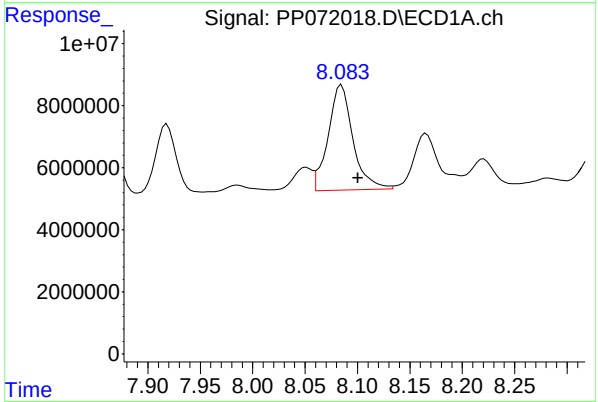
R.T.: 8.404 min
Delta R.T.: -0.017 min
Response: 118191243
Conc: 521.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



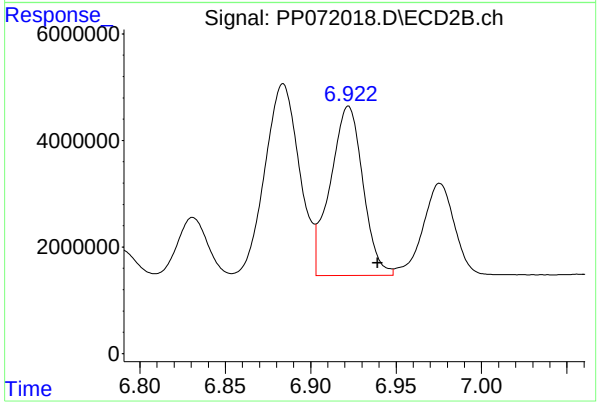
#35 AR-1260-5

R.T.: 7.422 min
Delta R.T.: -0.017 min
Response: 85964347
Conc: 570.14 ng/ml



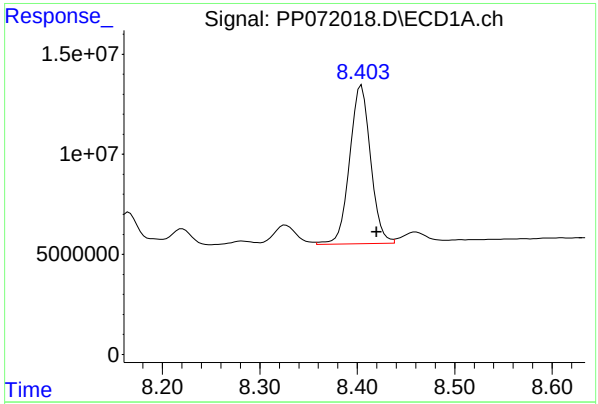
#36 AR-1262-1

R.T.: 8.085 min
Delta R.T.: -0.016 min
Response: 55841313
Conc: 386.47 ng/ml



#36 AR-1262-1

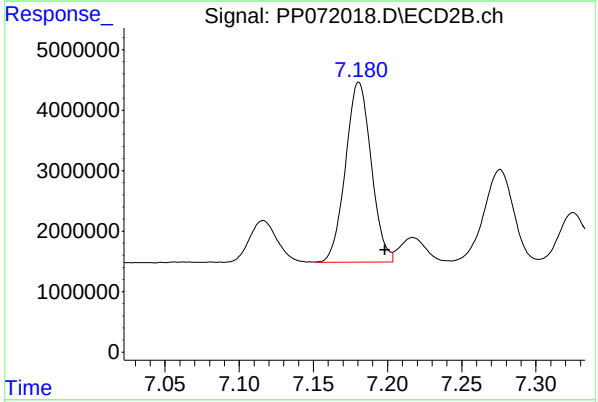
R.T.: 6.922 min
Delta R.T.: -0.017 min
Response: 42400687
Conc: 373.21 ng/ml



#37 AR-1262-2

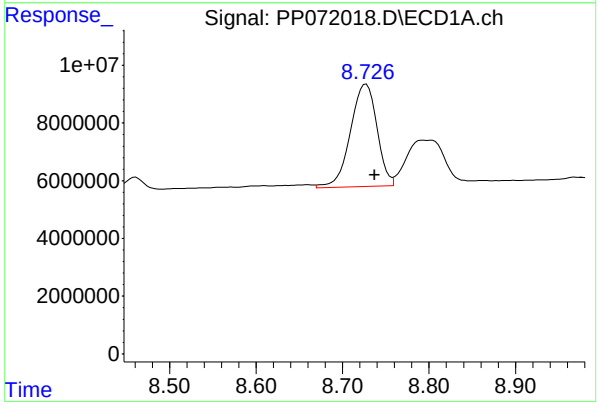
R.T.: 8.404 min
Delta R.T.: -0.015 min
Response: 118191243
Conc: 431.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



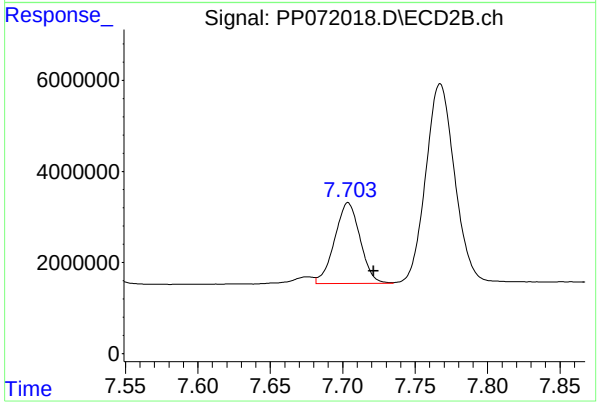
#37 AR-1262-2

R.T.: 7.181 min
Delta R.T.: -0.017 min
Response: 35896639
Conc: 388.75 ng/ml



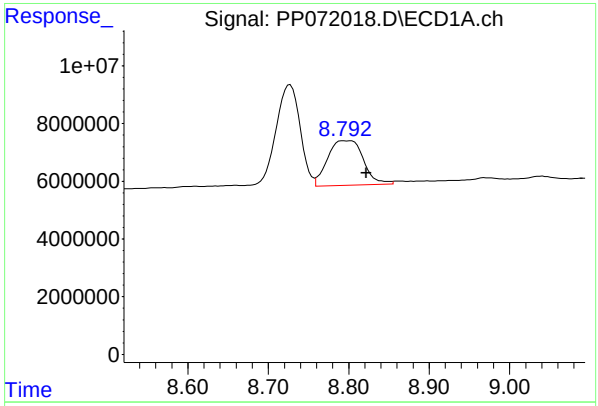
#38 AR-1262-3

R.T.: 8.727 min
Delta R.T.: -0.010 min
Response: 75779160
Conc: 414.37 ng/ml



#38 AR-1262-3

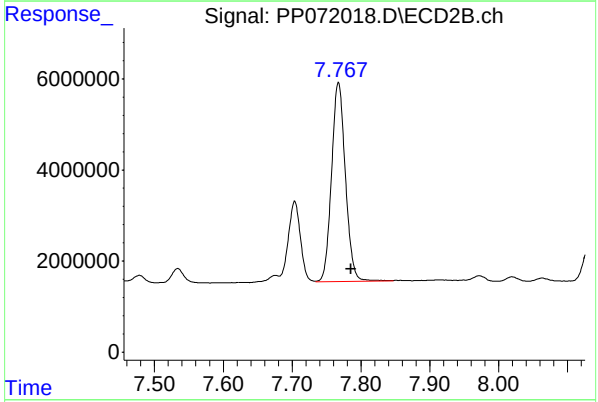
R.T.: 7.704 min
Delta R.T.: -0.018 min
Response: 21797583
Conc: 287.97 ng/ml



#39 AR-1262-4

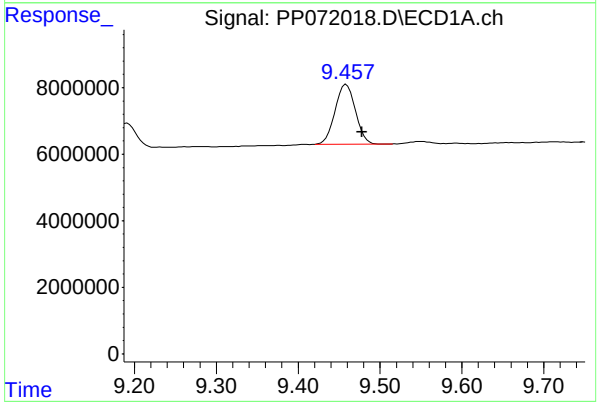
R.T.: 8.793 min
Delta R.T.: -0.029 min
Response: 48002498
Conc: 357.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



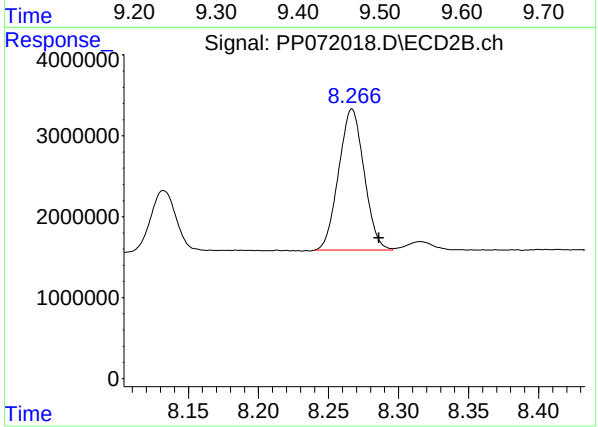
#39 AR-1262-4

R.T.: 7.767 min
Delta R.T.: -0.018 min
Response: 61237368
Conc: 490.58 ng/ml



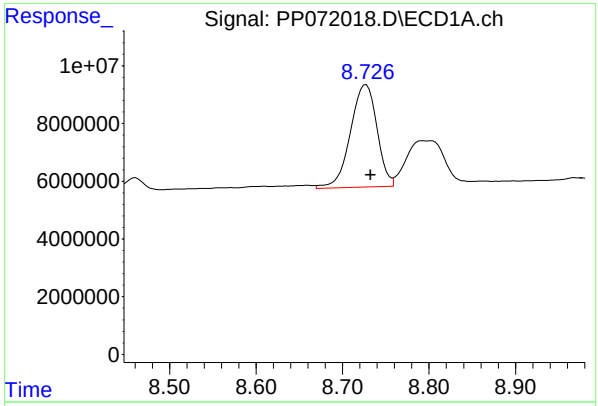
#40 AR-1262-5

R.T.: 9.459 min
Delta R.T.: -0.019 min
Response: 31232095
Conc: 354.26 ng/ml



#40 AR-1262-5

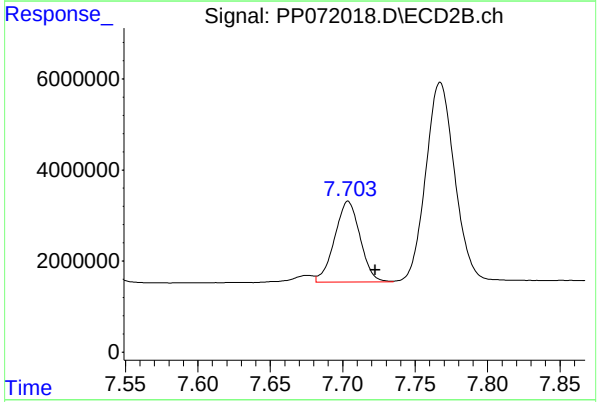
R.T.: 8.267 min
Delta R.T.: -0.019 min
Response: 22019049
Conc: 396.79 ng/ml



#41 AR-1268-1

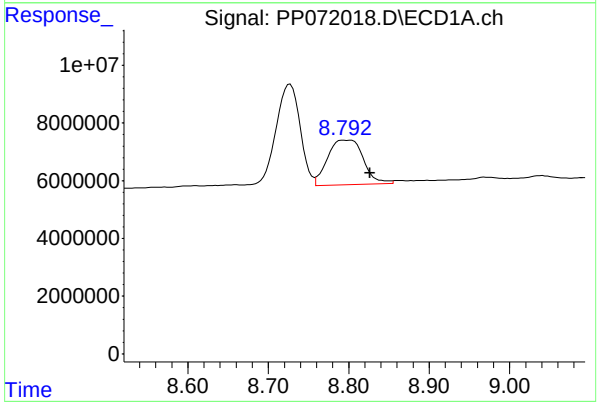
R.T.: 8.727 min
Delta R.T.: -0.006 min
Response: 75779160
Conc: 243.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



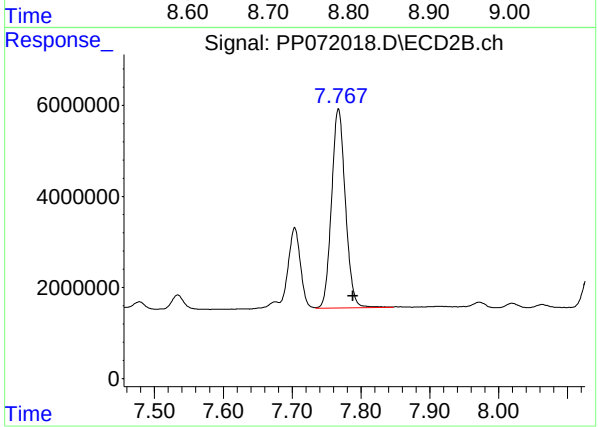
#41 AR-1268-1

R.T.: 7.704 min
Delta R.T.: -0.019 min
Response: 21797583
Conc: 109.16 ng/ml



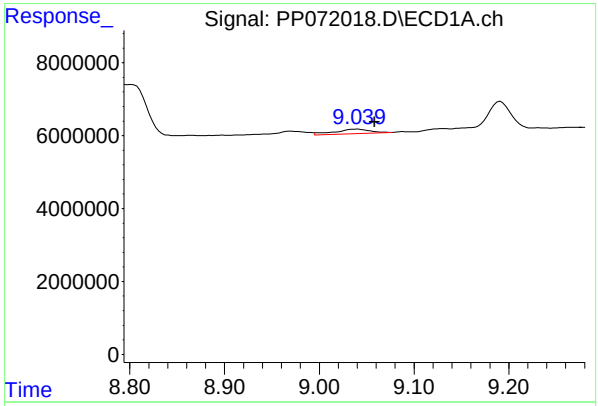
#42 AR-1268-2

R.T.: 8.793 min
Delta R.T.: -0.033 min
Response: 48002498
Conc: 186.24 ng/ml



#42 AR-1268-2

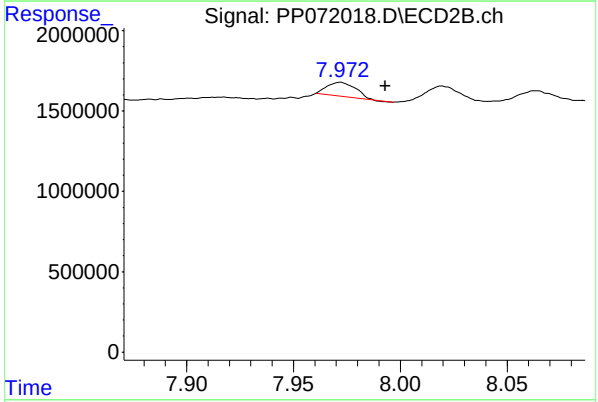
R.T.: 7.767 min
Delta R.T.: -0.021 min
Response: 61237368
Conc: 362.29 ng/ml



#43 AR-1268-3

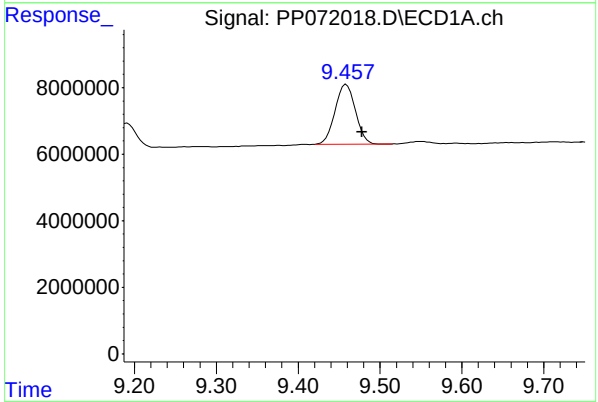
R.T.: 9.039 min
Delta R.T.: -0.020 min
Response: 3228846
Conc: 14.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



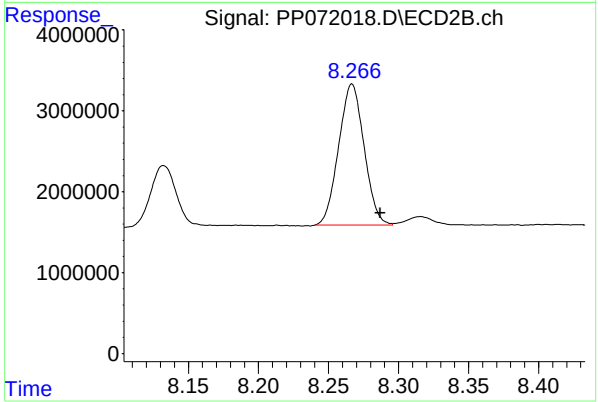
#43 AR-1268-3

R.T.: 7.972 min
Delta R.T.: -0.021 min
Response: 799936
Conc: 5.75 ng/ml



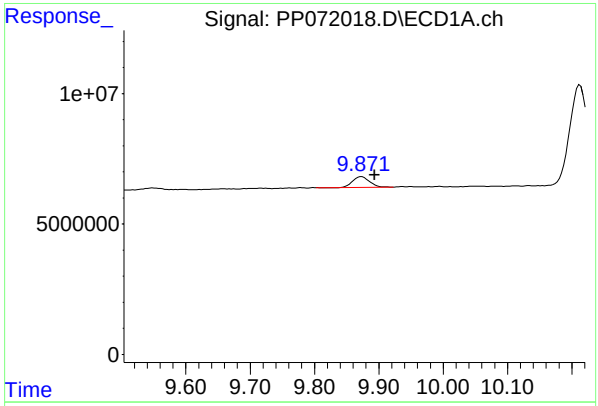
#44 AR-1268-4

R.T.: 9.459 min
Delta R.T.: -0.019 min
Response: 31232095
Conc: 332.05 ng/ml



#44 AR-1268-4

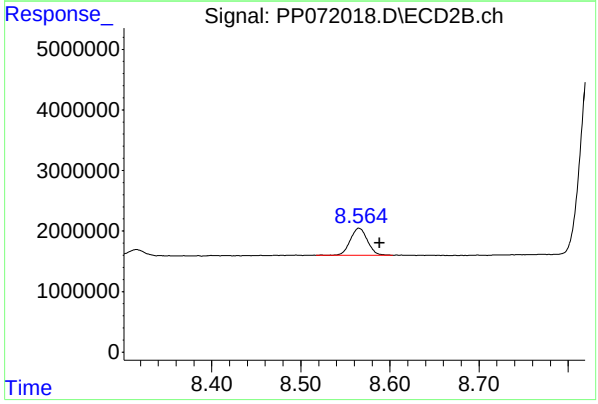
R.T.: 8.267 min
Delta R.T.: -0.020 min
Response: 22019049
Conc: 362.17 ng/ml



#45 AR-1268-5

R.T.: 9.873 min
Delta R.T.: -0.021 mi
Response: 7567735
Conc: 12.65 ng/m

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.565 min
Delta R.T.: -0.023 min
Response: 5983793
Conc: 16.03 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:56:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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...	4.506	3.803	34135336	28018789	17.217	19.891	
2)	SA Decachlor...	10.214	8.826	27461190	17716368	18.965	20.200	
	Target Compounds							
3)	L1 AR-1016-1	5.683	4.889	240423	252472	3.586	4.716	#
4)	L1 AR-1016-2	5.683	4.889	240423	252472	2.343	3.306	#
5)	L1 AR-1016-3	5.728	5.127	617779	1509424	10.021	35.760	#
6)	L1 AR-1016-4	5.853	5.127	99639	1509424	1.942	43.769	#
7)	L1 AR-1016-5	6.152	5.355	319483	50185	6.623	1.129	#
8)	L2 AR-1221-1	0.000	3.967f	0	172810	N.D.	7.857	#
9)	L2 AR-1221-2	4.804	4.105	619124	444076	34.363	26.813	
10)	L2 AR-1221-3	4.877	4.226f	152732	134329	2.698	2.771	
11)	L3 AR-1232-1	4.877	4.226f	152732	134329	3.401	3.506	
12)	L3 AR-1232-2	5.426	4.889	96535	252472	4.195	6.611	#
13)	L3 AR-1232-3	5.683	5.127	240423	1509424	5.092	71.282	#
14)	L3 AR-1232-4	5.853	5.188	99639	3115555	4.299	168.041	#
15)	L3 AR-1232-5	5.949	5.355	151649	50185	9.393	2.522	#
16)	L4 AR-1242-1	5.655	4.889	334081	252472	6.100	5.460	
17)	L4 AR-1242-2	5.683	4.889	240423	252472	2.829	3.824	#
18)	L4 AR-1242-3	5.728	5.127	617779	1509424	12.084	41.413	#
19)	L4 AR-1242-4	5.853	5.188	99639	3115555	2.361	87.245	#
20)	L4 AR-1242-5	6.574	5.713	1807157	2922893	39.039	67.181	#
21)	L5 AR-1248-1	5.655	4.889	334081	252472	7.780	6.992	
22)	L5 AR-1248-2	5.949	5.127	151649	1509424	2.509	30.828	#
23)	L5 AR-1248-3	6.152	5.188	319483	3115555	4.784	60.987	#
24)	L5 AR-1248-4	6.533	5.355	2030155	50185	23.994	0.827	#
25)	L5 AR-1248-5	6.574	5.713	1807157	2922893	22.746	50.143	#
26)	L6 AR-1254-1	6.510	5.713	3090334	2922893	37.709	31.979	
27)	L6 AR-1254-2	6.747	5.891f	2153708	883998	16.948	11.231	#
28)	L6 AR-1254-3	7.086	6.263	3670388	2028515	28.725	17.117	#
29)	L6 AR-1254-4	7.381	6.479	2577236	1129096	21.931	14.632	#
30)	L6 AR-1254-5	7.824	6.932	423627	279711	3.932	2.757	#
31)	L7 AR-1260-1	7.259	6.425f	2906426	1639795	30.268	22.681	#
32)	L7 AR-1260-2	7.519	6.540	1063490	1367203	7.433	15.632	#
33)	L7 AR-1260-3	7.870	6.713	574575	177624	5.125	2.266	#
34)	L7 AR-1260-4	8.111	7.188	1613412	111823	14.295	1.772	#
35)	L7 AR-1260-5	8.403	7.444	1106396	177761	4.883	1.179	#
36)	L8 AR-1262-1	8.111	6.932	1613412	279711	11.166	2.462	#
37)	L8 AR-1262-2	8.403	7.188	1106396	111823	4.035	1.211	#
38)	L8 AR-1262-3	8.767	7.656f	6074559	145764	33.217	1.926	#
39)	L8 AR-1262-4	8.810	7.808	1090506	655897	8.125	5.254	#
40)	L8 AR-1262-5	9.500	8.304	91144	306703	1.034	5.527	#
41)	L9 AR-1268-1	8.767	7.656f	6074559	145764	19.552	0.730	#

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:56:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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	
42)	L9 AR-1268-2	8.810	7.808	1090506	655897	4.231	3.880	
43)	L9 AR-1268-3	9.060	0.000	1056232	0	4.739	N.D.	#
44)	L9 AR-1268-4	9.500	8.304	91144	306703	0.969	5.045	#
45)	L9 AR-1268-5	9.904	8.569	72691	188610	0.122	0.505	#

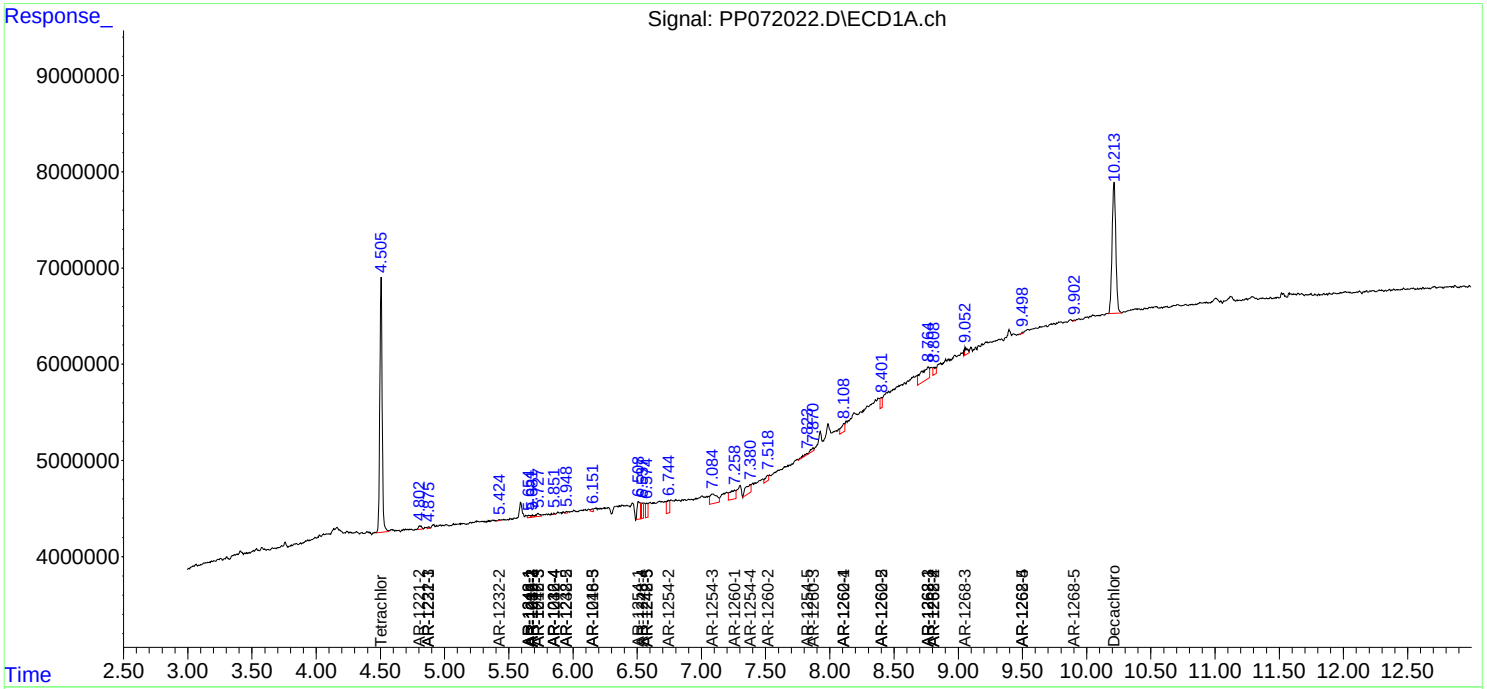
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

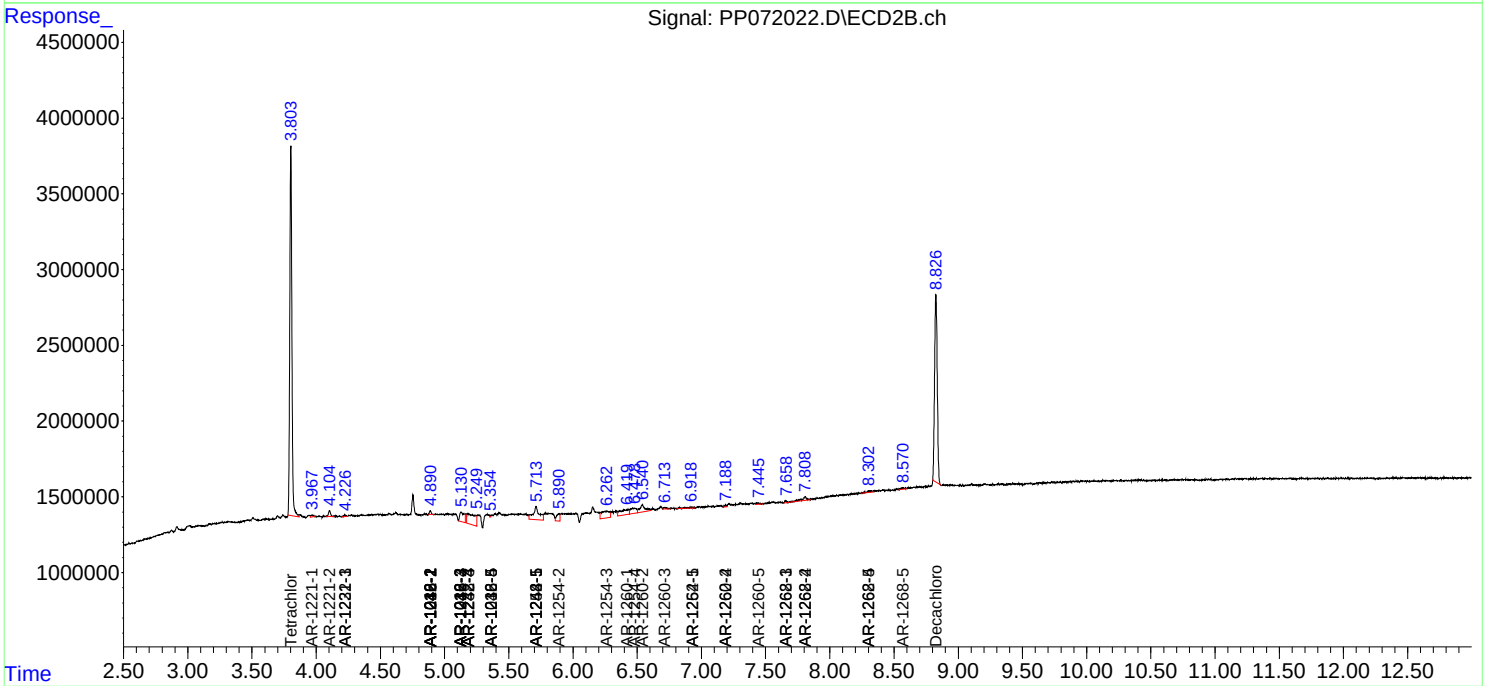
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051325\
Data File : PP072022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 18:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

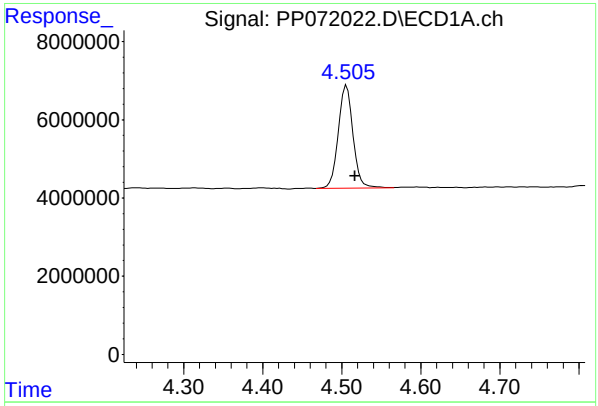
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:56:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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



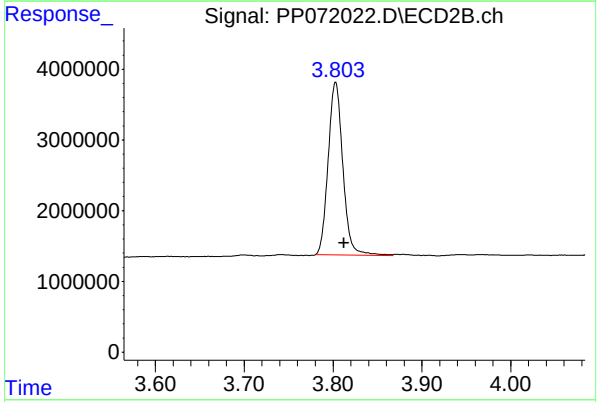




#1 Tetrachloro-m-xylene

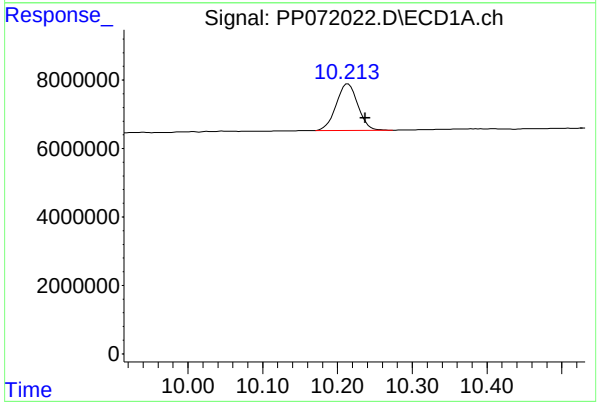
R.T.: 4.506 min
Delta R.T.: -0.011 min
Response: 34135336
Conc: 17.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



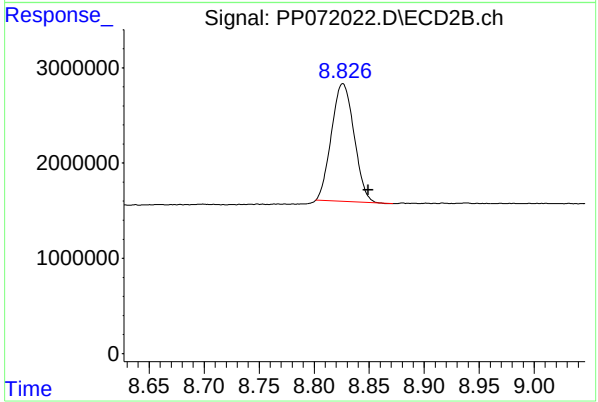
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.009 min
Response: 28018789
Conc: 19.89 ng/ml



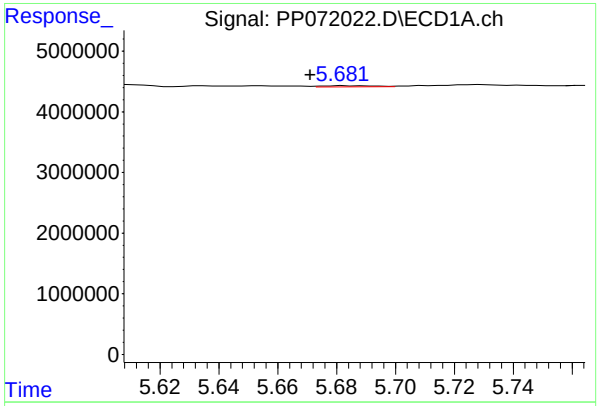
#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: -0.023 min
Response: 27461190
Conc: 18.96 ng/ml



#2 Decachlorobiphenyl

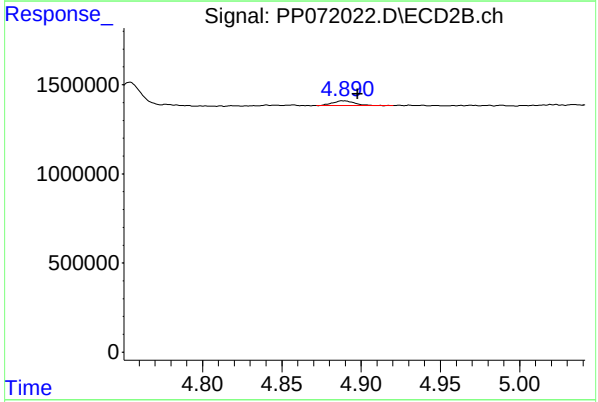
R.T.: 8.826 min
Delta R.T.: -0.023 min
Response: 17716368
Conc: 20.20 ng/ml



#3 AR-1016-1

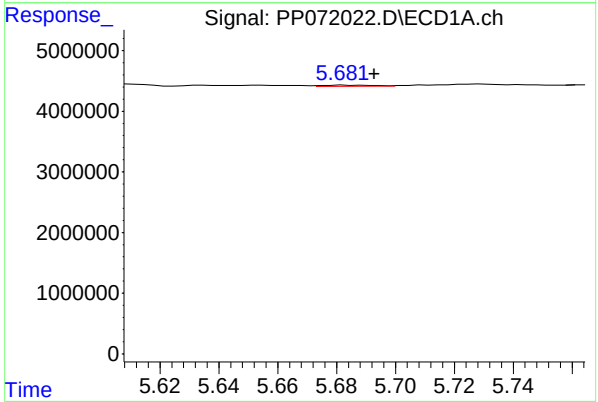
R.T.: 5.683 min
Delta R.T.: 0.012 min
Response: 240423
Conc: 3.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



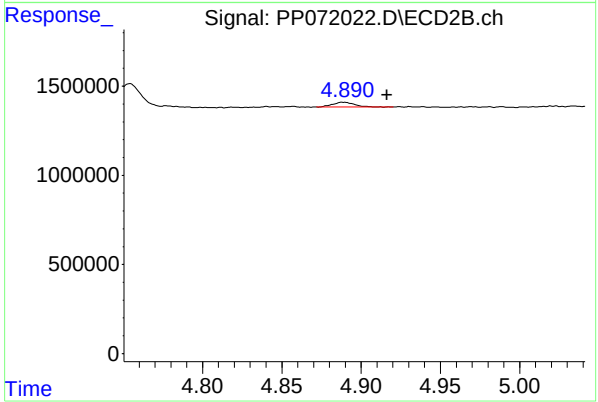
#3 AR-1016-1

R.T.: 4.889 min
Delta R.T.: -0.009 min
Response: 252472
Conc: 4.72 ng/ml



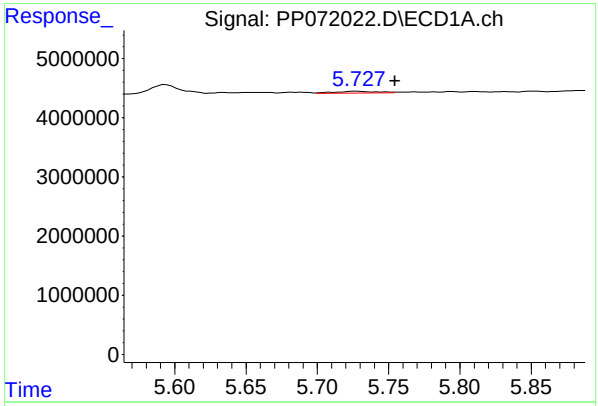
#4 AR-1016-2

R.T.: 5.683 min
Delta R.T.: -0.010 min
Response: 240423
Conc: 2.34 ng/ml



#4 AR-1016-2

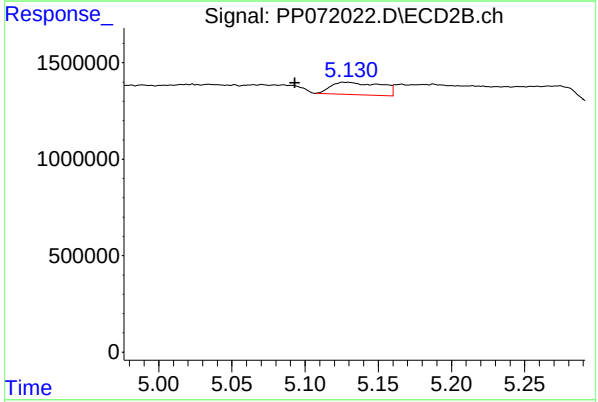
R.T.: 4.889 min
Delta R.T.: -0.027 min
Response: 252472
Conc: 3.31 ng/ml



#5 AR-1016-3

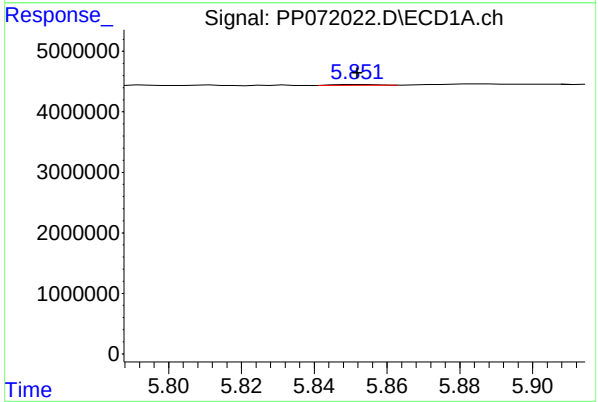
R.T.: 5.728 min
Delta R.T.: -0.026 min
Response: 617779
Conc: 10.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



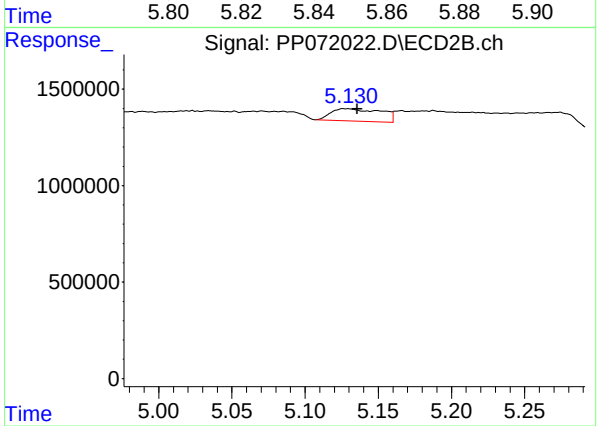
#5 AR-1016-3

R.T.: 5.127 min
Delta R.T.: 0.034 min
Response: 1509424
Conc: 35.76 ng/ml



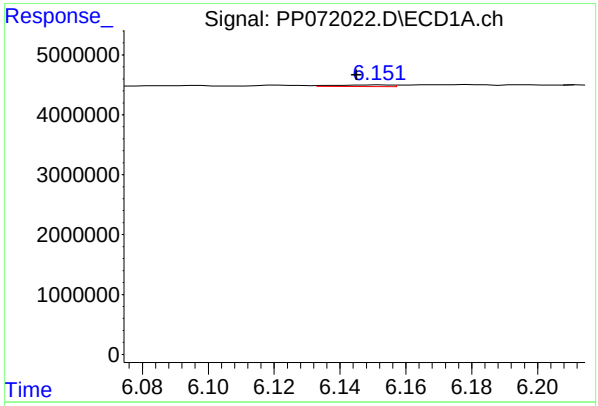
#6 AR-1016-4

R.T.: 5.853 min
Delta R.T.: 0.001 min
Response: 99639
Conc: 1.94 ng/ml



#6 AR-1016-4

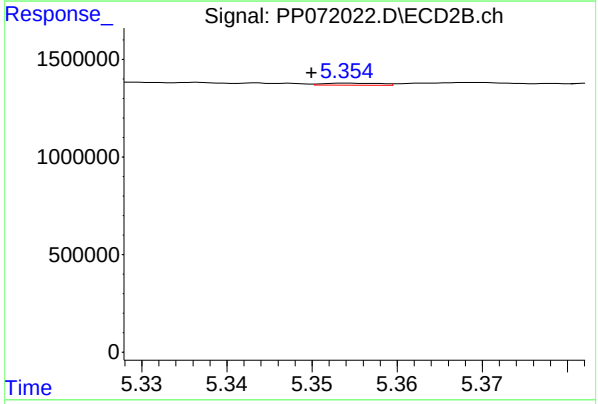
R.T.: 5.127 min
Delta R.T.: -0.008 min
Response: 1509424
Conc: 43.77 ng/ml



#7 AR-1016-5

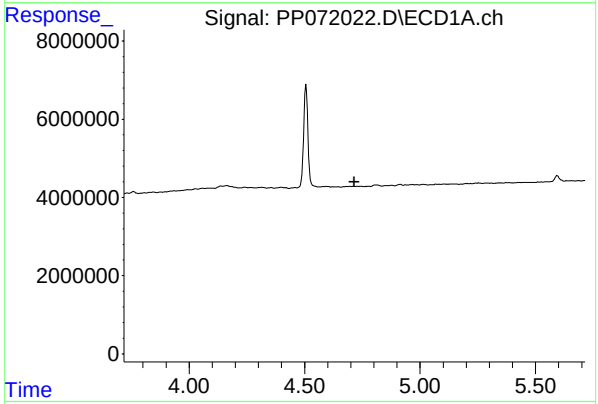
R.T.: 6.152 min
Delta R.T.: 0.007 min
Response: 319483
Conc: 6.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



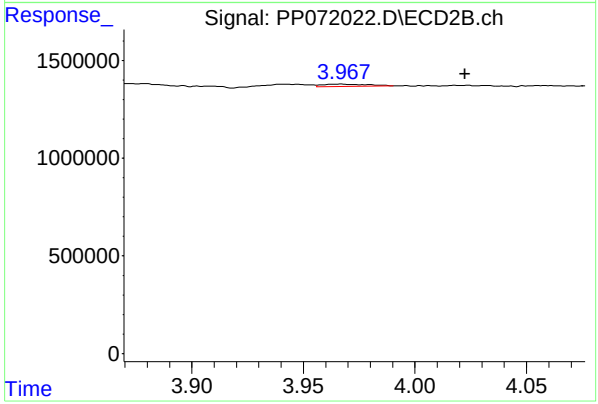
#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.005 min
Response: 50185
Conc: 1.13 ng/ml



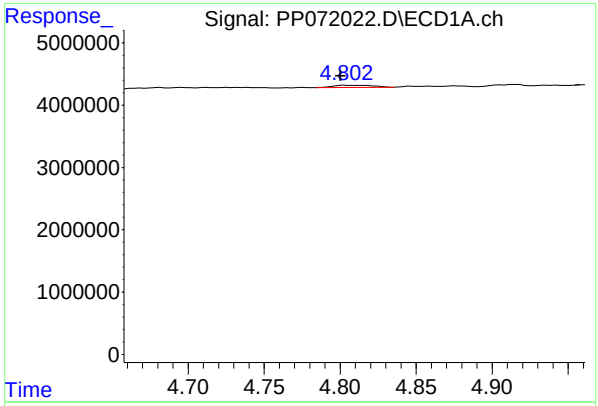
#8 AR-1221-1

R.T.: 0.000 min
Exp R.T. : 4.715 min
Response: 0
Conc: N.D.



#8 AR-1221-1

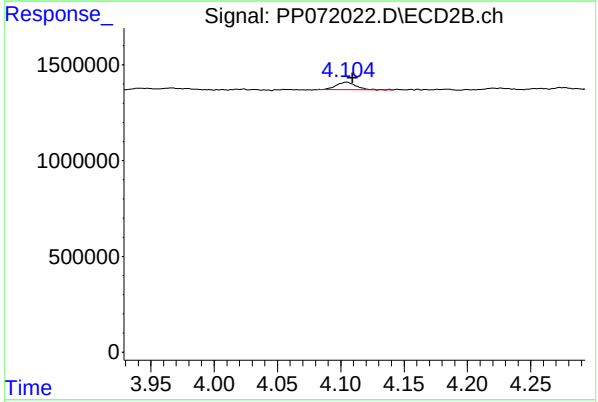
R.T.: 3.967 min
Delta R.T.: -0.056 min
Response: 172810
Conc: 7.86 ng/ml



#9 AR-1221-2

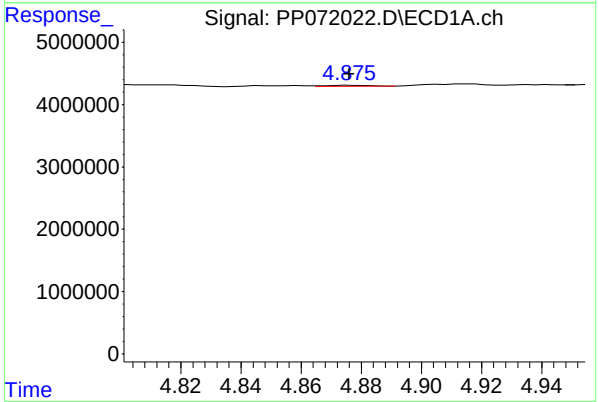
R.T.: 4.804 min
Delta R.T.: 0.004 min
Response: 619124
Conc: 34.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



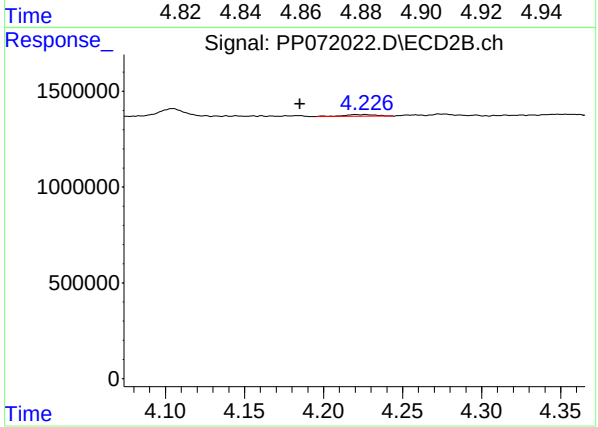
#9 AR-1221-2

R.T.: 4.105 min
Delta R.T.: -0.005 min
Response: 444076
Conc: 26.81 ng/ml



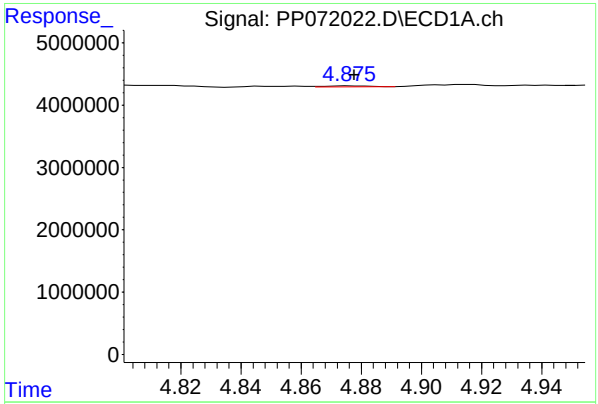
#10 AR-1221-3

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 152732
Conc: 2.70 ng/ml



#10 AR-1221-3

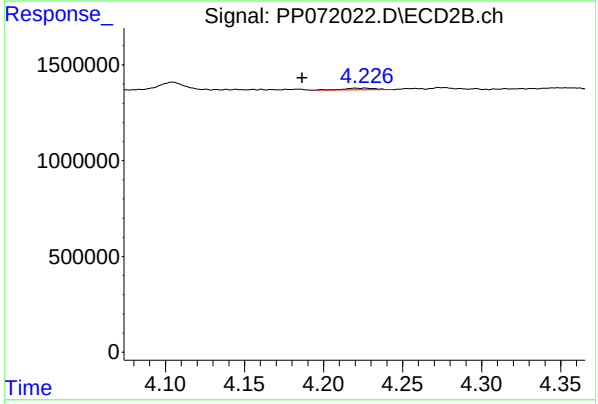
R.T.: 4.226 min
Delta R.T.: 0.041 min
Response: 134329
Conc: 2.77 ng/ml



#11 AR-1232-1

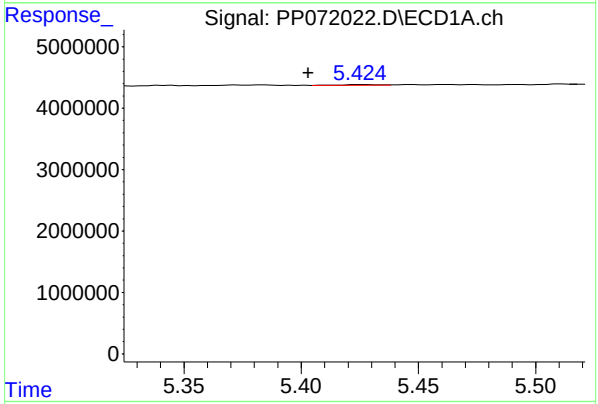
R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 152732
Conc: 3.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



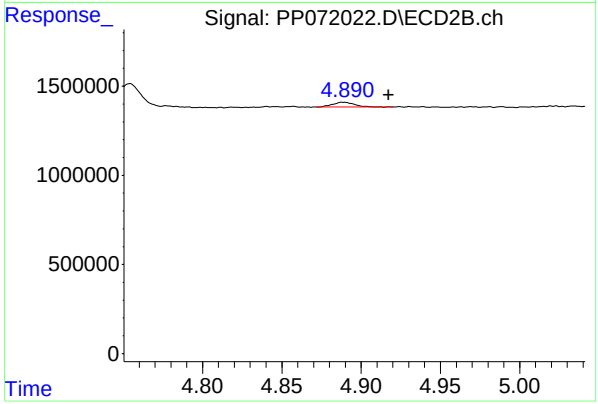
#11 AR-1232-1

R.T.: 4.226 min
Delta R.T.: 0.040 min
Response: 134329
Conc: 3.51 ng/ml



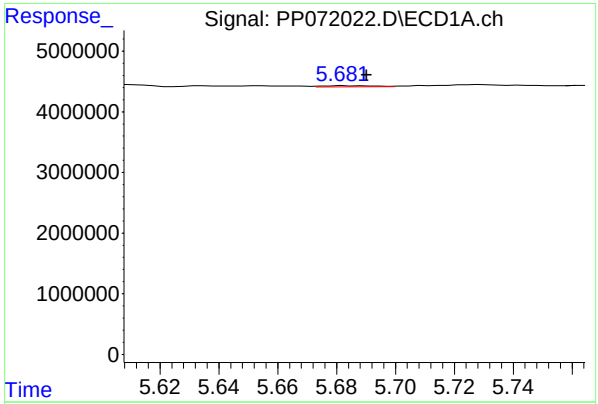
#12 AR-1232-2

R.T.: 5.426 min
Delta R.T.: 0.023 min
Response: 96535
Conc: 4.19 ng/ml



#12 AR-1232-2

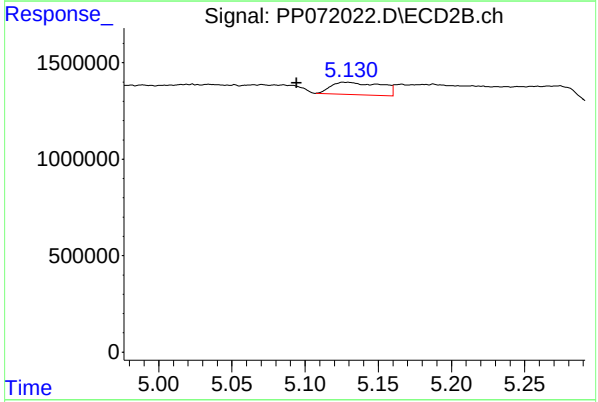
R.T.: 4.889 min
Delta R.T.: -0.028 min
Response: 252472
Conc: 6.61 ng/ml



#13 AR-1232-3

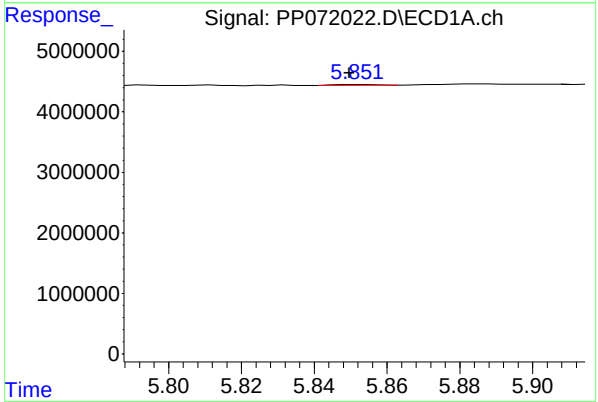
R.T.: 5.683 min
Delta R.T.: -0.007 min
Response: 240423
Conc: 5.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



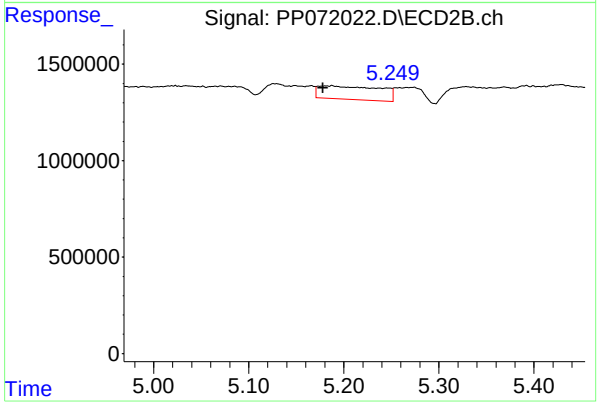
#13 AR-1232-3

R.T.: 5.127 min
Delta R.T.: 0.033 min
Response: 1509424
Conc: 71.28 ng/ml



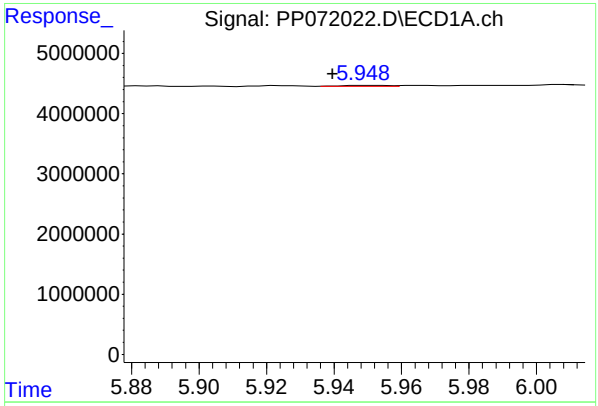
#14 AR-1232-4

R.T.: 5.853 min
Delta R.T.: 0.003 min
Response: 99639
Conc: 4.30 ng/ml



#14 AR-1232-4

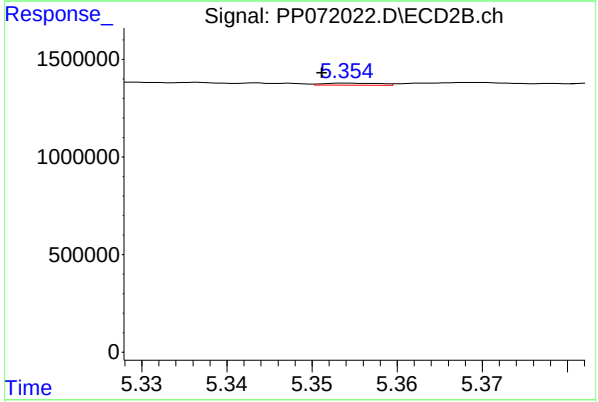
R.T.: 5.188 min
Delta R.T.: 0.009 min
Response: 3115555
Conc: 168.04 ng/ml



#15 AR-1232-5

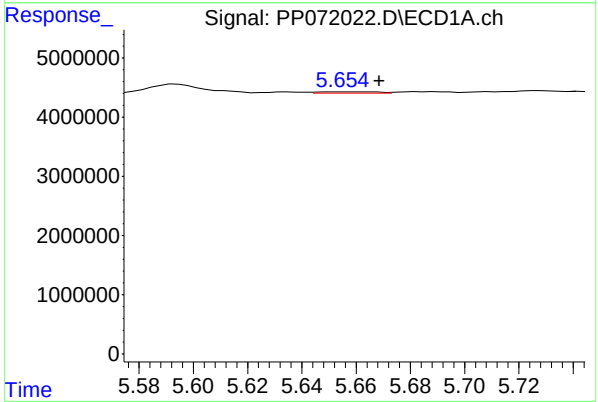
R.T.: 5.949 min
Delta R.T.: 0.010 min
Response: 151649
Conc: 9.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



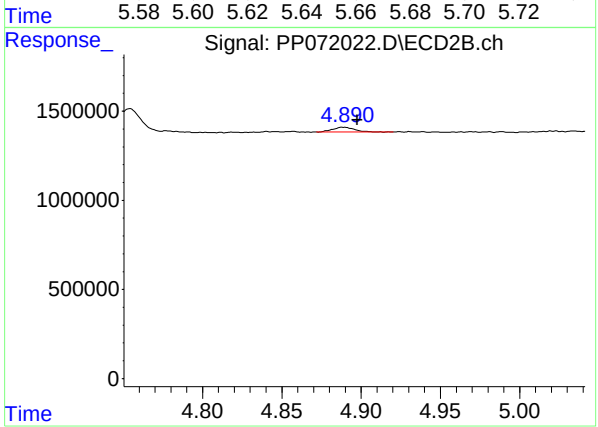
#15 AR-1232-5

R.T.: 5.355 min
Delta R.T.: 0.004 min
Response: 50185
Conc: 2.52 ng/ml



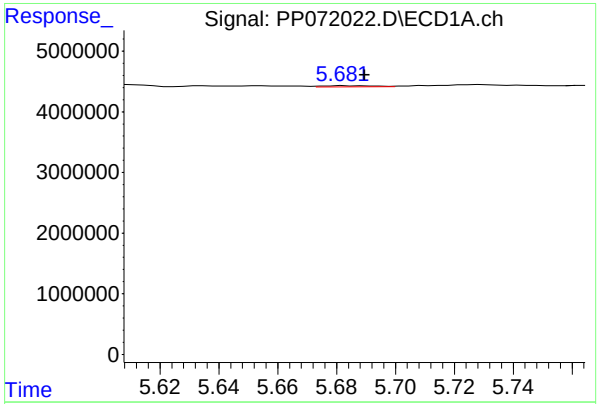
#16 AR-1242-1

R.T.: 5.655 min
Delta R.T.: -0.013 min
Response: 334081
Conc: 6.10 ng/ml



#16 AR-1242-1

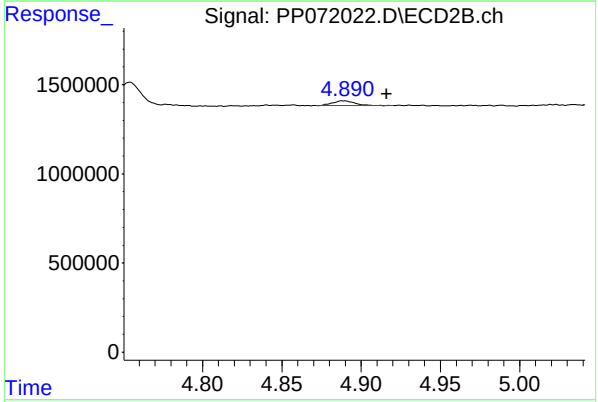
R.T.: 4.889 min
Delta R.T.: -0.009 min
Response: 252472
Conc: 5.46 ng/ml



#17 AR-1242-2

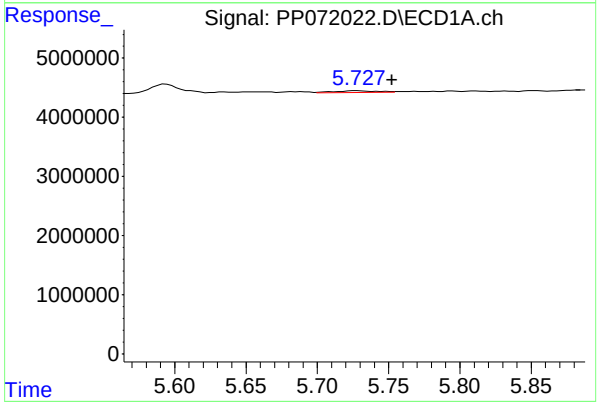
R.T.: 5.683 min
Delta R.T.: -0.007 min
Response: 240423
Conc: 2.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



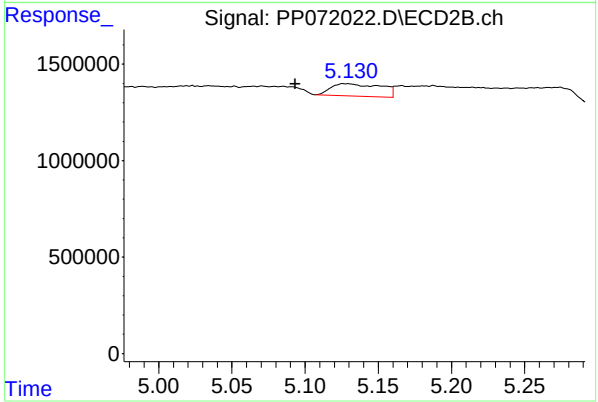
#17 AR-1242-2

R.T.: 4.889 min
Delta R.T.: -0.027 min
Response: 252472
Conc: 3.82 ng/ml



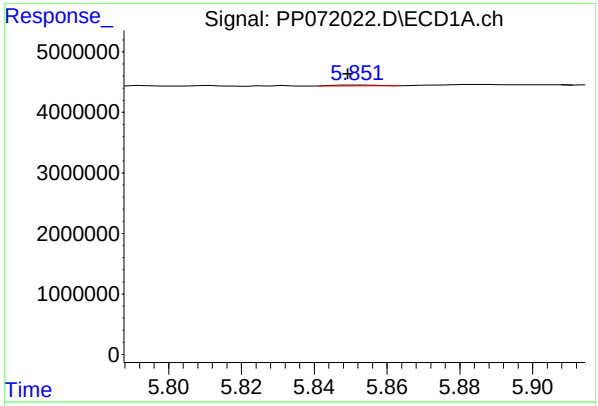
#18 AR-1242-3

R.T.: 5.728 min
Delta R.T.: -0.024 min
Response: 617779
Conc: 12.08 ng/ml



#18 AR-1242-3

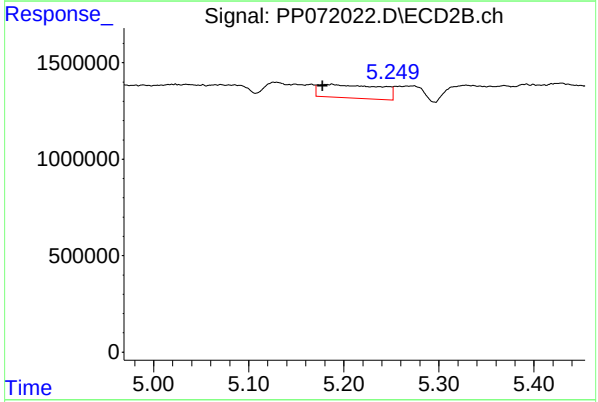
R.T.: 5.127 min
Delta R.T.: 0.034 min
Response: 1509424
Conc: 41.41 ng/ml



#19 AR-1242-4

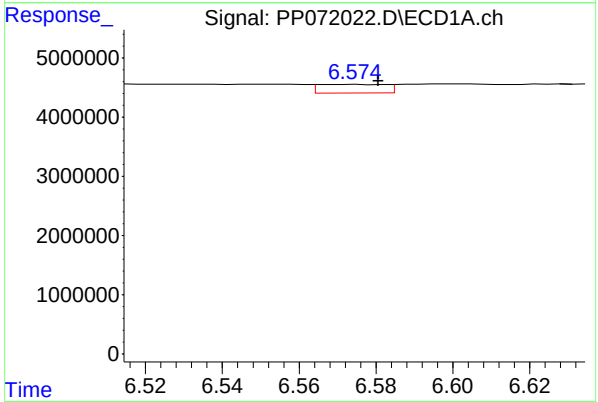
R.T.: 5.853 min
Delta R.T.: 0.004 min
Response: 99639
Conc: 2.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



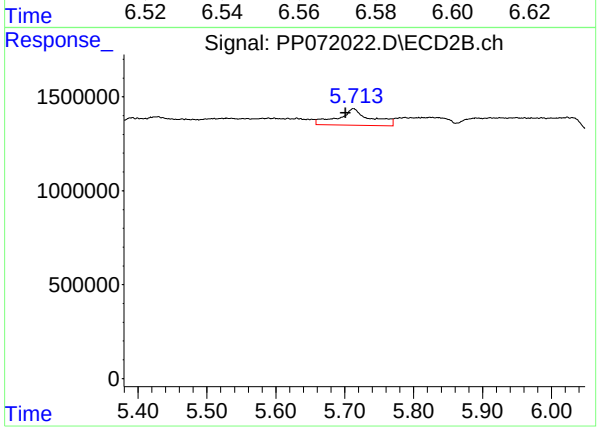
#19 AR-1242-4

R.T.: 5.188 min
Delta R.T.: 0.010 min
Response: 3115555
Conc: 87.24 ng/ml



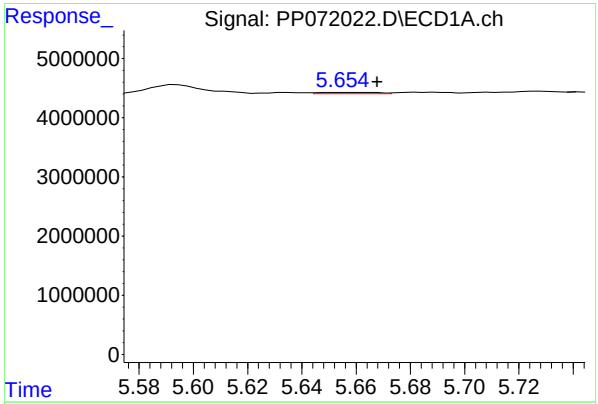
#20 AR-1242-5

R.T.: 6.574 min
Delta R.T.: -0.006 min
Response: 1807157
Conc: 39.04 ng/ml



#20 AR-1242-5

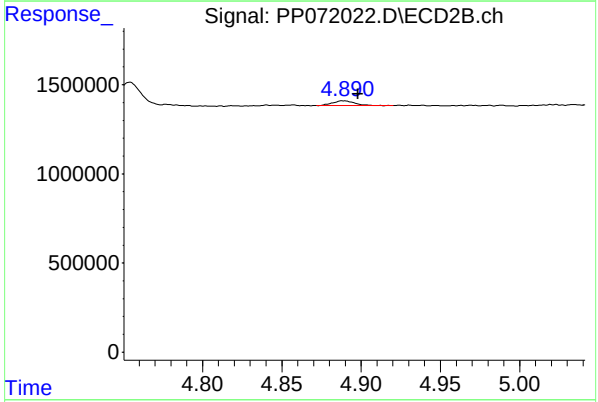
R.T.: 5.713 min
Delta R.T.: 0.011 min
Response: 2922893
Conc: 67.18 ng/ml



#21 AR-1248-1

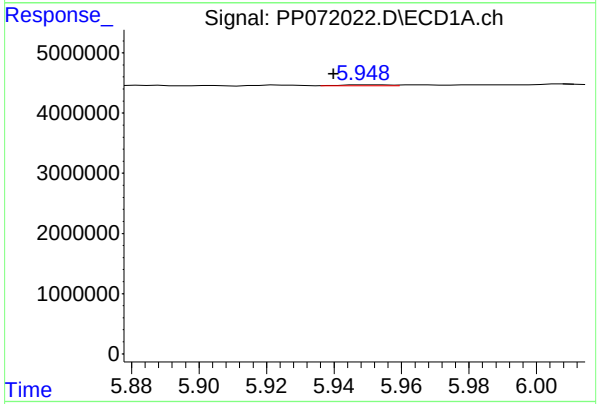
R.T.: 5.655 min
Delta R.T.: -0.012 min
Response: 334081
Conc: 7.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



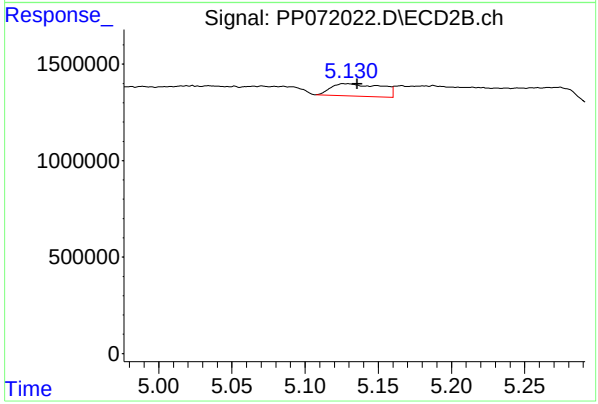
#21 AR-1248-1

R.T.: 4.889 min
Delta R.T.: -0.009 min
Response: 252472
Conc: 6.99 ng/ml



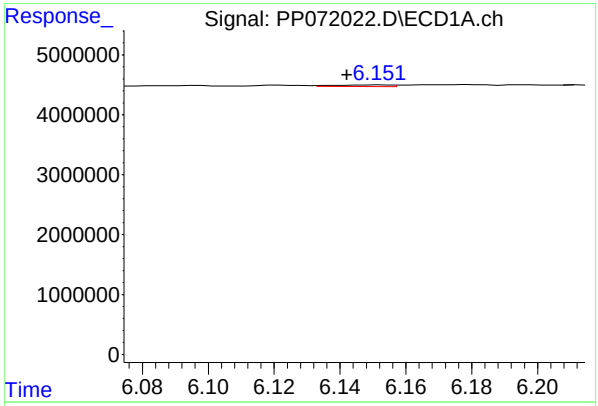
#22 AR-1248-2

R.T.: 5.949 min
Delta R.T.: 0.009 min
Response: 151649
Conc: 2.51 ng/ml



#22 AR-1248-2

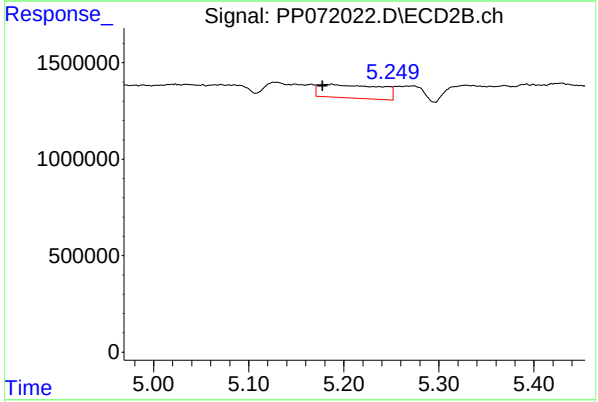
R.T.: 5.127 min
Delta R.T.: -0.008 min
Response: 1509424
Conc: 30.83 ng/ml



#23 AR-1248-3

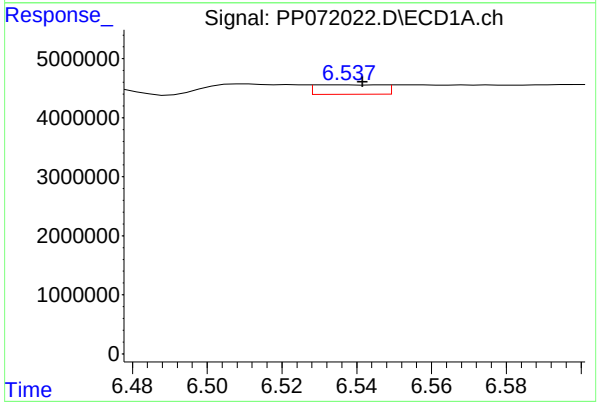
R.T.: 6.152 min
Delta R.T.: 0.010 min
Response: 319483
Conc: 4.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



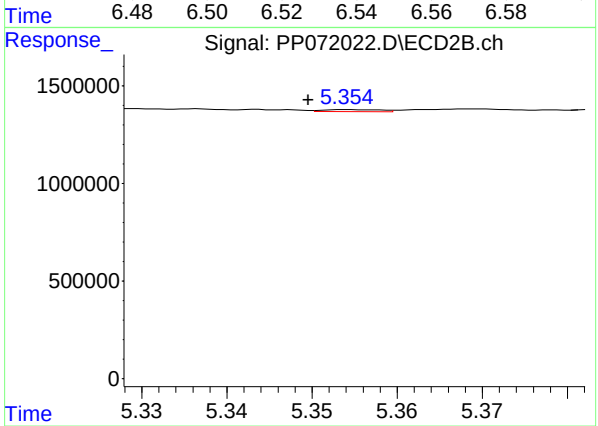
#23 AR-1248-3

R.T.: 5.188 min
Delta R.T.: 0.010 min
Response: 3115555
Conc: 60.99 ng/ml



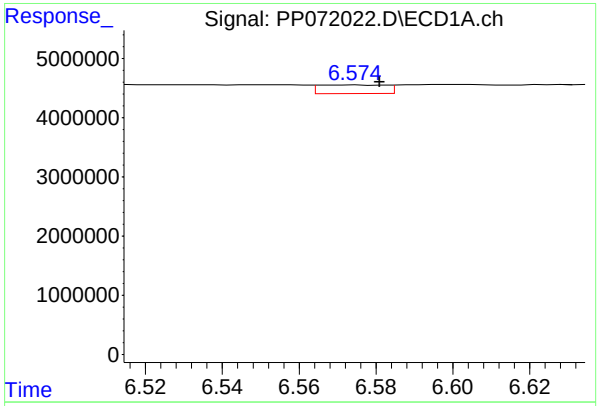
#24 AR-1248-4

R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 2030155
Conc: 23.99 ng/ml



#24 AR-1248-4

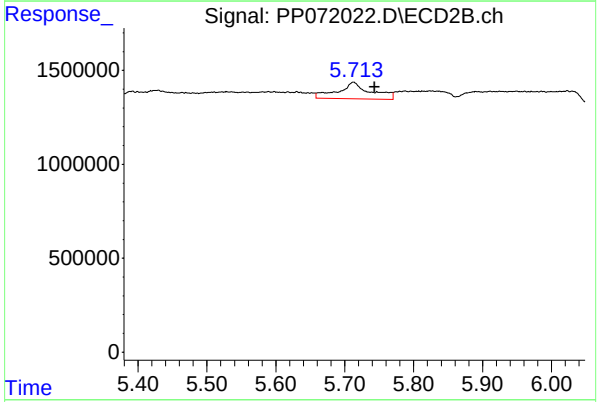
R.T.: 5.355 min
Delta R.T.: 0.005 min
Response: 50185
Conc: 0.83 ng/ml



#25 AR-1248-5

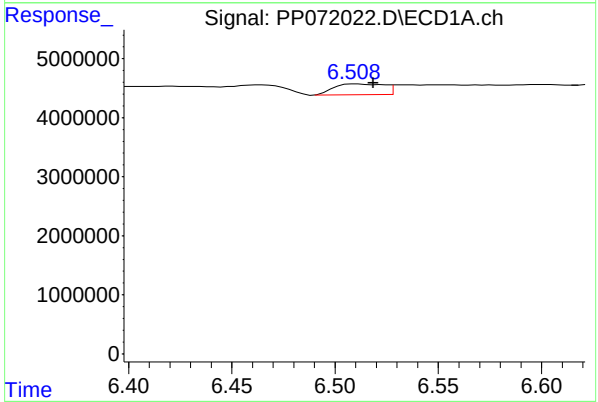
R.T.: 6.574 min
Delta R.T.: -0.007 min
Response: 1807157
Conc: 22.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



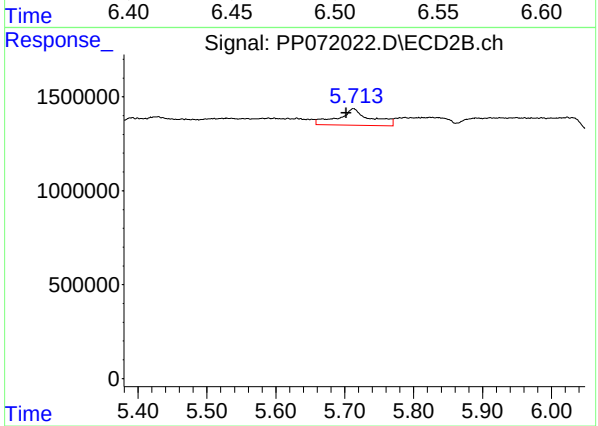
#25 AR-1248-5

R.T.: 5.713 min
Delta R.T.: -0.031 min
Response: 2922893
Conc: 50.14 ng/ml



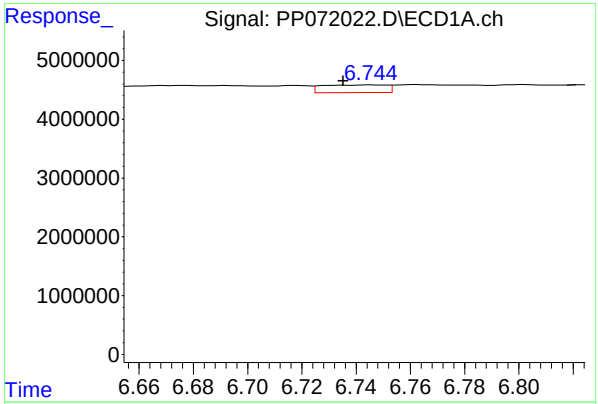
#26 AR-1254-1

R.T.: 6.510 min
Delta R.T.: -0.009 min
Response: 3090334
Conc: 37.71 ng/ml



#26 AR-1254-1

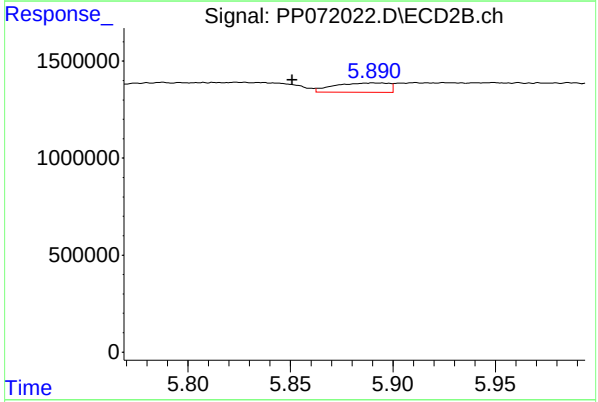
R.T.: 5.713 min
Delta R.T.: 0.011 min
Response: 2922893
Conc: 31.98 ng/ml



#27 AR-1254-2

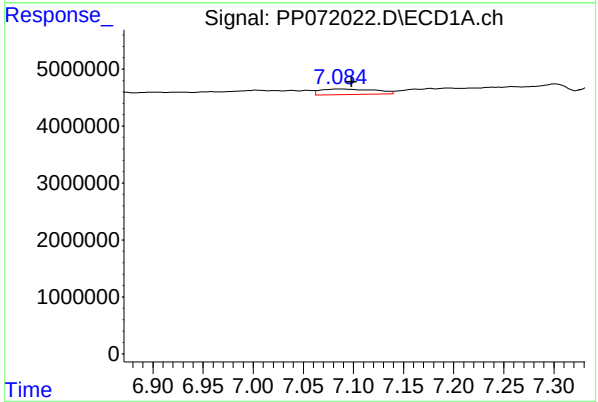
R.T.: 6.747 min
Delta R.T.: 0.011 min
Response: 2153708
Conc: 16.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



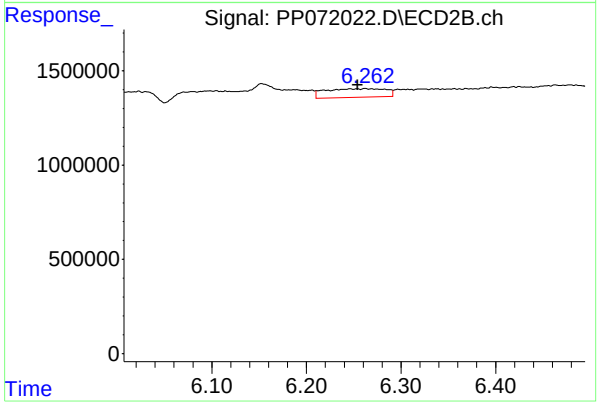
#27 AR-1254-2

R.T.: 5.891 min
Delta R.T.: 0.040 min
Response: 883998
Conc: 11.23 ng/ml



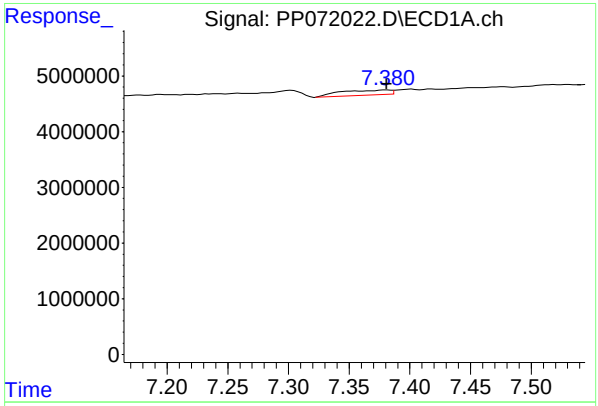
#28 AR-1254-3

R.T.: 7.086 min
Delta R.T.: -0.013 min
Response: 3670388
Conc: 28.73 ng/ml



#28 AR-1254-3

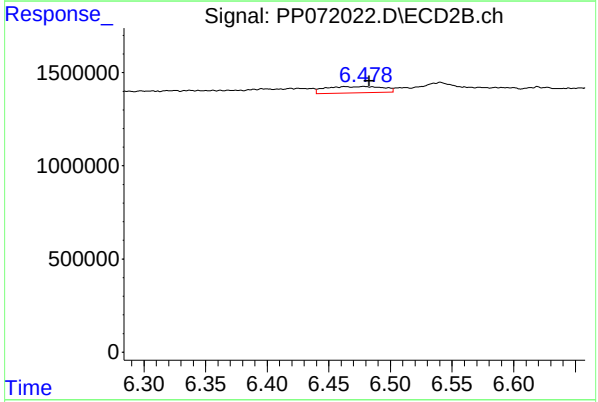
R.T.: 6.263 min
Delta R.T.: 0.009 min
Response: 2028515
Conc: 17.12 ng/ml



#29 AR-1254-4

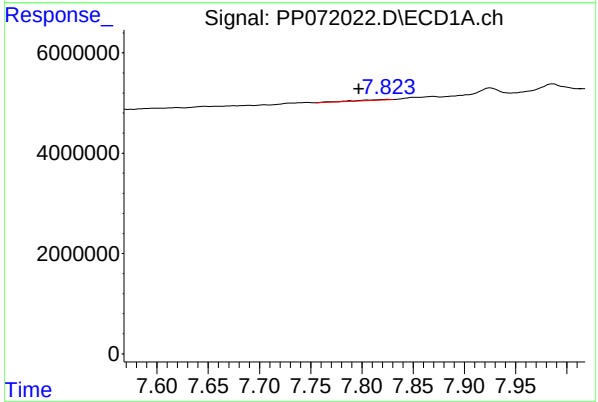
R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 2577236
Conc: 21.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



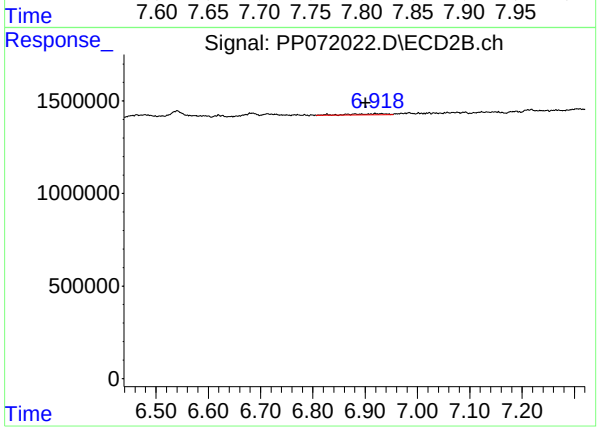
#29 AR-1254-4

R.T.: 6.479 min
Delta R.T.: -0.004 min
Response: 1129096
Conc: 14.63 ng/ml



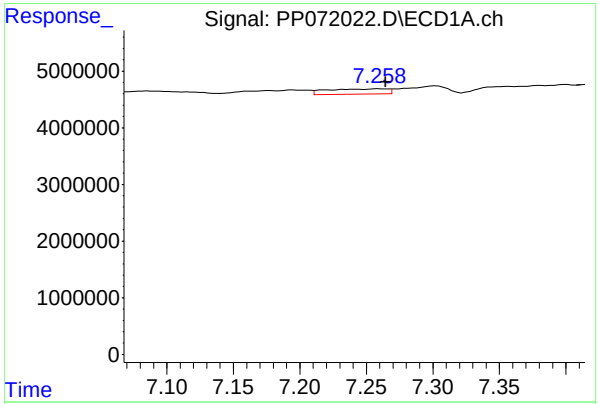
#30 AR-1254-5

R.T.: 7.824 min
Delta R.T.: 0.027 min
Response: 423627
Conc: 3.93 ng/ml



#30 AR-1254-5

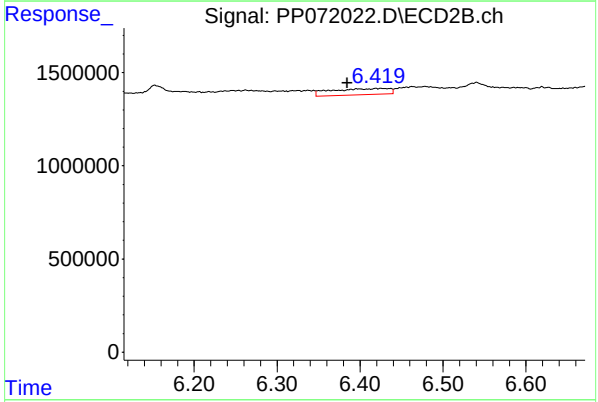
R.T.: 6.932 min
Delta R.T.: 0.031 min
Response: 279711
Conc: 2.76 ng/ml



#31 AR-1260-1

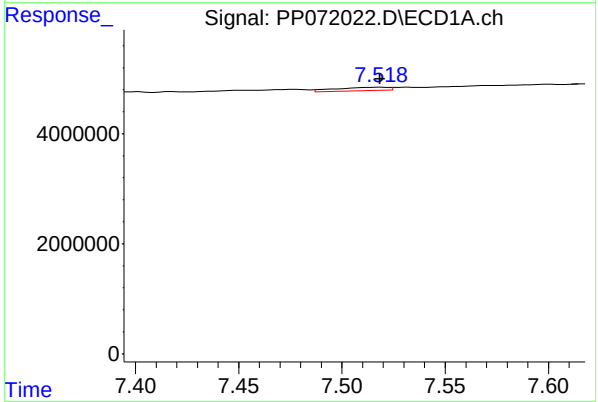
R.T.: 7.259 min
Delta R.T.: -0.005 min
Response: 2906426
Conc: 30.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



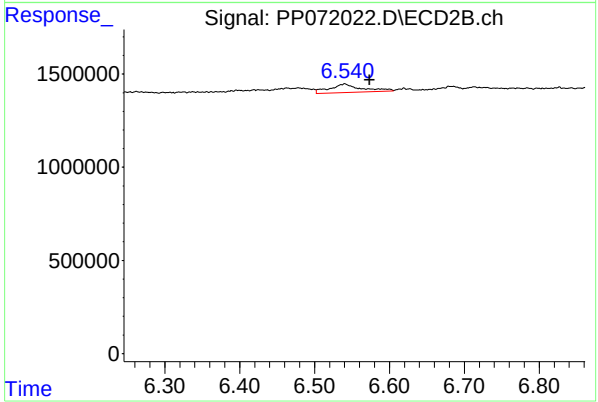
#31 AR-1260-1

R.T.: 6.425 min
Delta R.T.: 0.040 min
Response: 1639795
Conc: 22.68 ng/ml



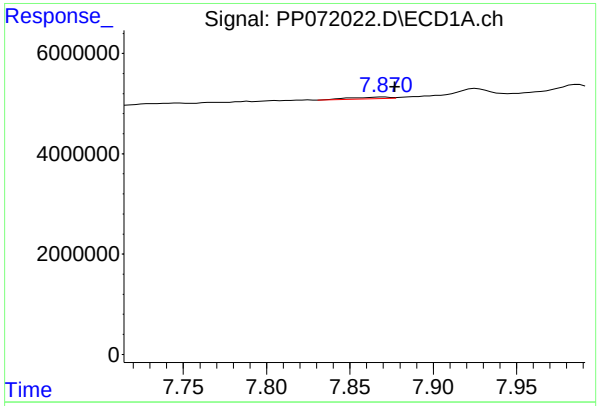
#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: 0.000 min
Response: 1063490
Conc: 7.43 ng/ml



#32 AR-1260-2

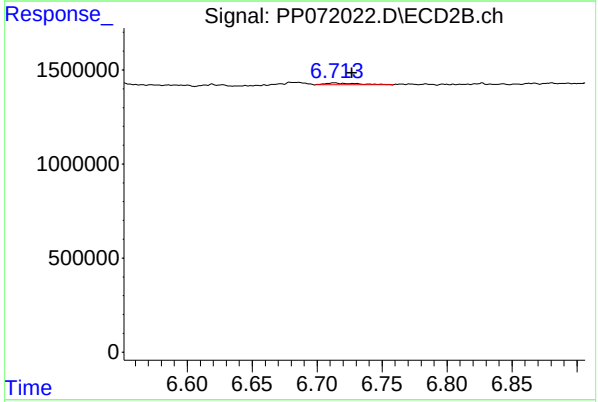
R.T.: 6.540 min
Delta R.T.: -0.033 min
Response: 1367203
Conc: 15.63 ng/ml



#33 AR-1260-3

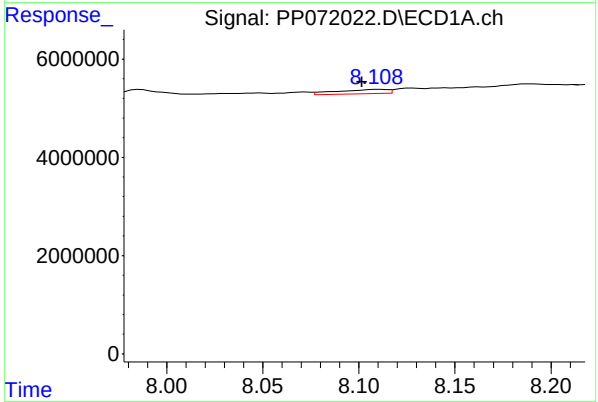
R.T.: 7.870 min
Delta R.T.: -0.007 min
Response: 574575
Conc: 5.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



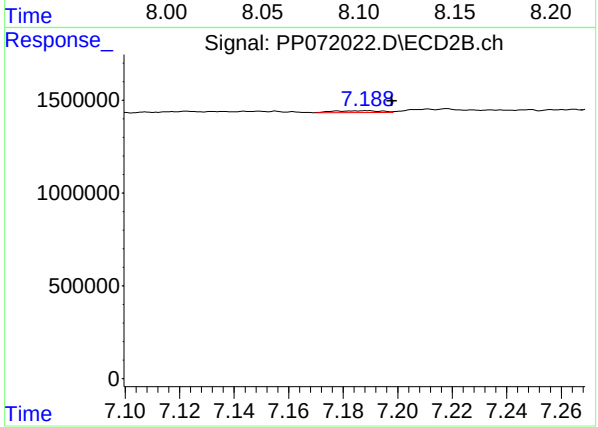
#33 AR-1260-3

R.T.: 6.713 min
Delta R.T.: -0.014 min
Response: 177624
Conc: 2.27 ng/ml



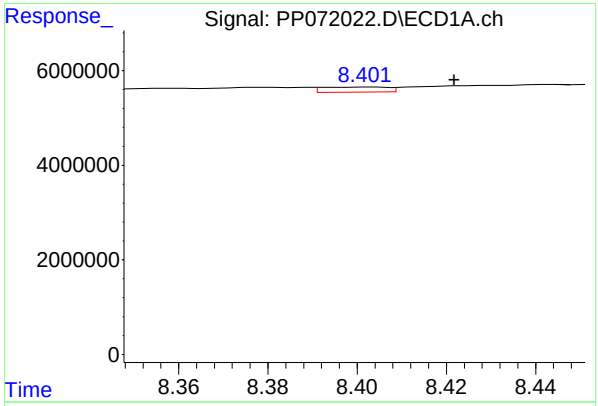
#34 AR-1260-4

R.T.: 8.111 min
Delta R.T.: 0.009 min
Response: 1613412
Conc: 14.30 ng/ml



#34 AR-1260-4

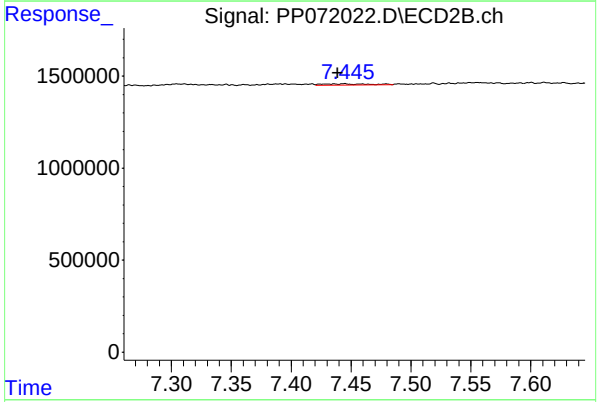
R.T.: 7.188 min
Delta R.T.: -0.010 min
Response: 111823
Conc: 1.77 ng/ml



#35 AR-1260-5

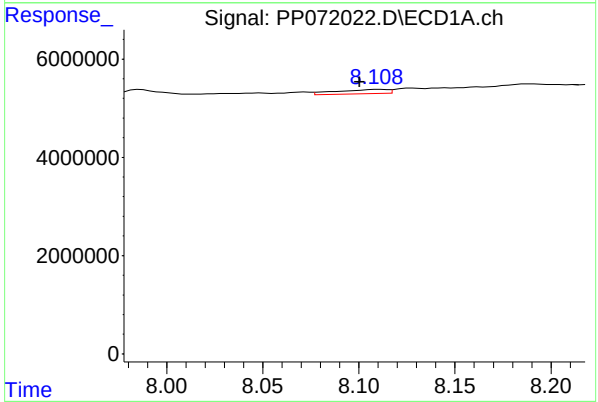
R.T.: 8.403 min
Delta R.T.: -0.019 min
Response: 1106396
Conc: 4.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



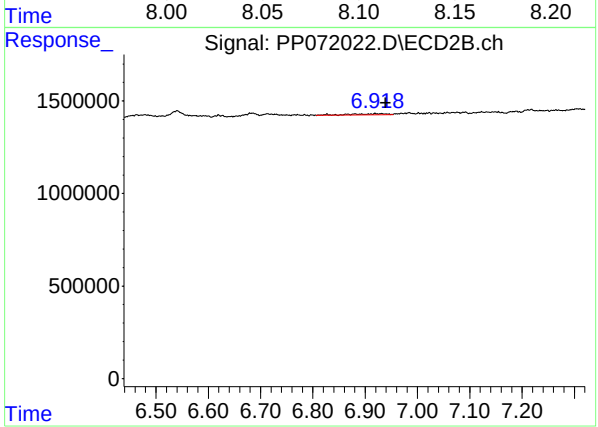
#35 AR-1260-5

R.T.: 7.444 min
Delta R.T.: 0.005 min
Response: 177761
Conc: 1.18 ng/ml



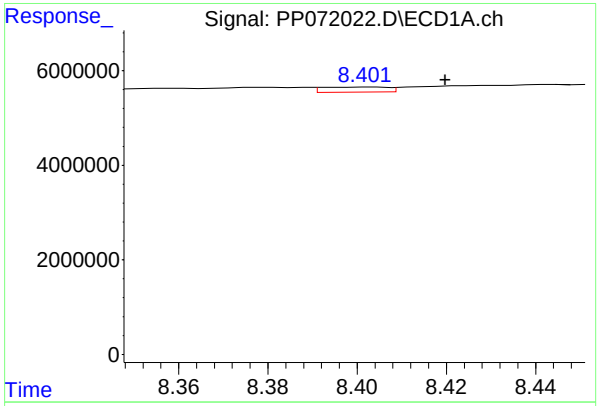
#36 AR-1262-1

R.T.: 8.111 min
Delta R.T.: 0.011 min
Response: 1613412
Conc: 11.17 ng/ml



#36 AR-1262-1

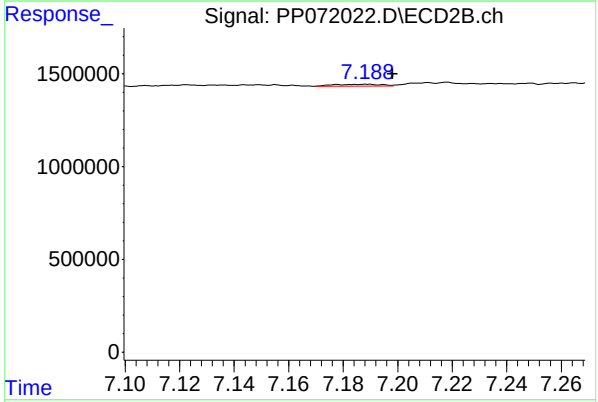
R.T.: 6.932 min
Delta R.T.: -0.007 min
Response: 279711
Conc: 2.46 ng/ml



#37 AR-1262-2

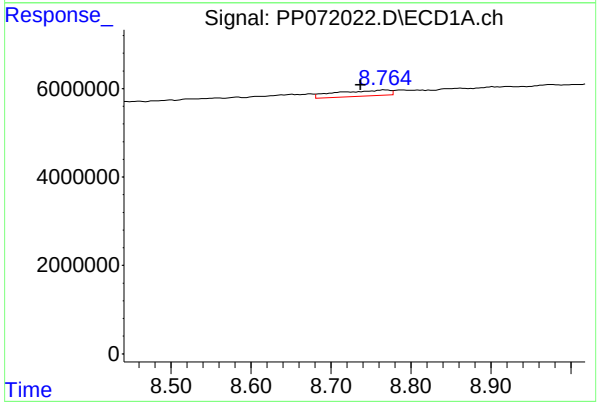
R.T.: 8.403 min
Delta R.T.: -0.017 min
Response: 1106396
Conc: 4.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



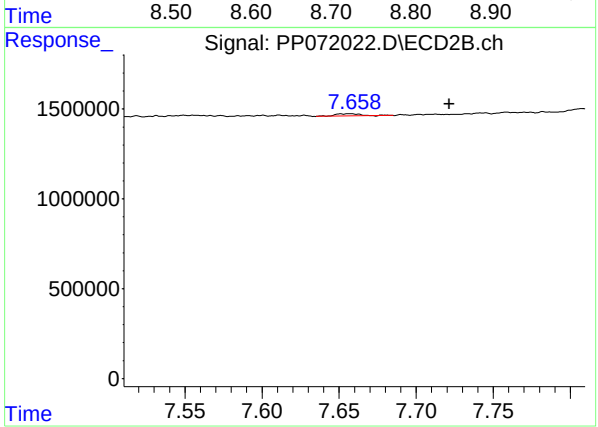
#37 AR-1262-2

R.T.: 7.188 min
Delta R.T.: -0.010 min
Response: 111823
Conc: 1.21 ng/ml



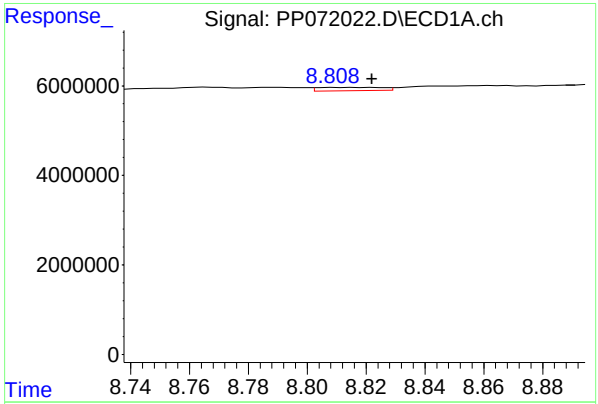
#38 AR-1262-3

R.T.: 8.767 min
Delta R.T.: 0.030 min
Response: 6074559
Conc: 33.22 ng/ml



#38 AR-1262-3

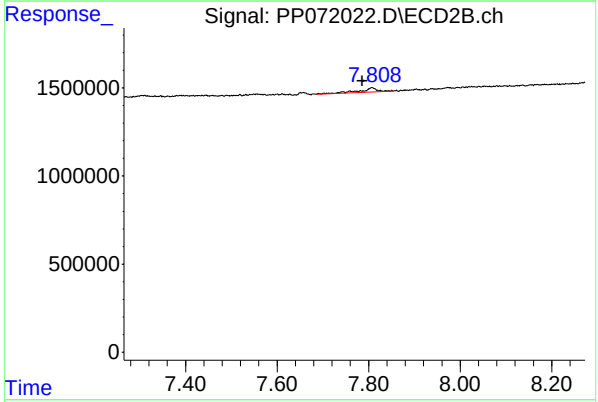
R.T.: 7.656 min
Delta R.T.: -0.065 min
Response: 145764
Conc: 1.93 ng/ml



#39 AR-1262-4

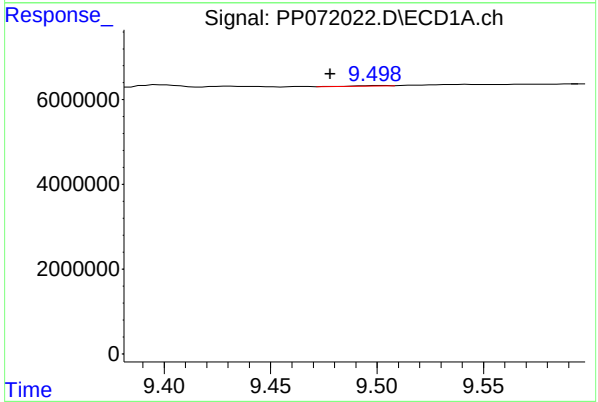
R.T.: 8.810 min
Delta R.T.: -0.012 min
Response: 1090506
Conc: 8.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



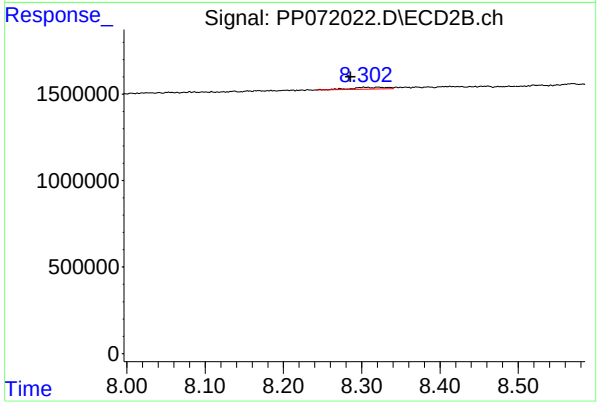
#39 AR-1262-4

R.T.: 7.808 min
Delta R.T.: 0.022 min
Response: 655897
Conc: 5.25 ng/ml



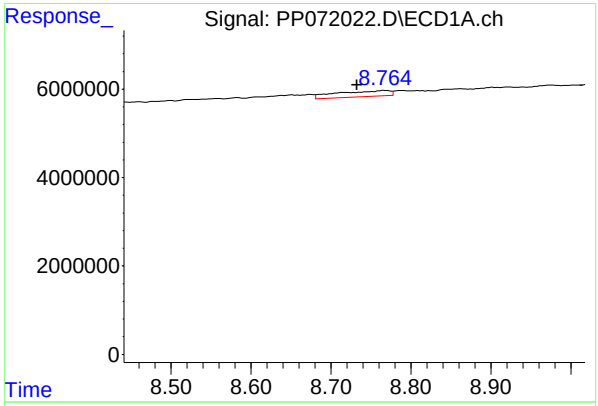
#40 AR-1262-5

R.T.: 9.500 min
Delta R.T.: 0.023 min
Response: 91144
Conc: 1.03 ng/ml



#40 AR-1262-5

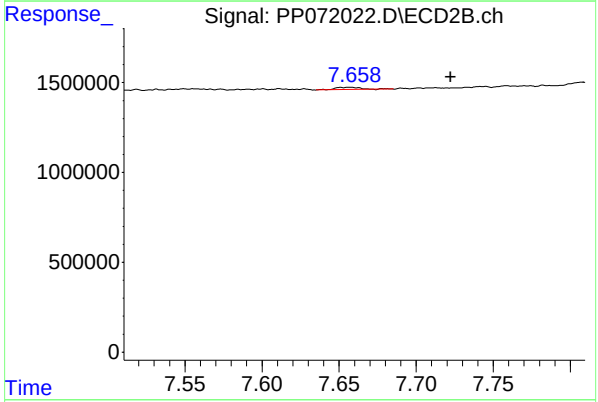
R.T.: 8.304 min
Delta R.T.: 0.018 min
Response: 306703
Conc: 5.53 ng/ml



#41 AR-1268-1

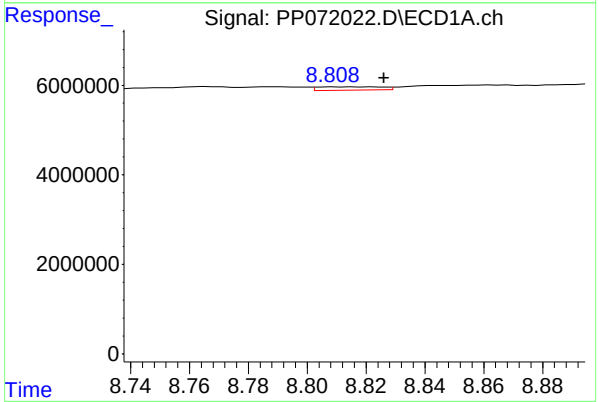
R.T.: 8.767 min
Delta R.T.: 0.034 min
Response: 6074559
Conc: 19.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



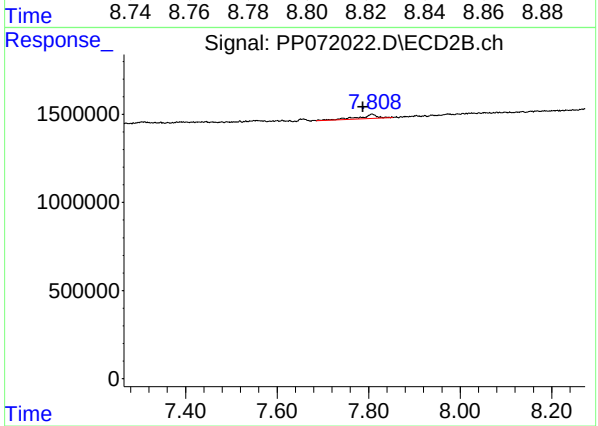
#41 AR-1268-1

R.T.: 7.656 min
Delta R.T.: -0.066 min
Response: 145764
Conc: 0.73 ng/ml



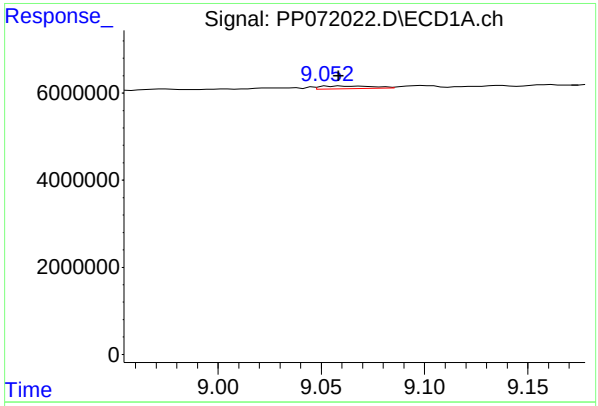
#42 AR-1268-2

R.T.: 8.810 min
Delta R.T.: -0.016 min
Response: 1090506
Conc: 4.23 ng/ml



#42 AR-1268-2

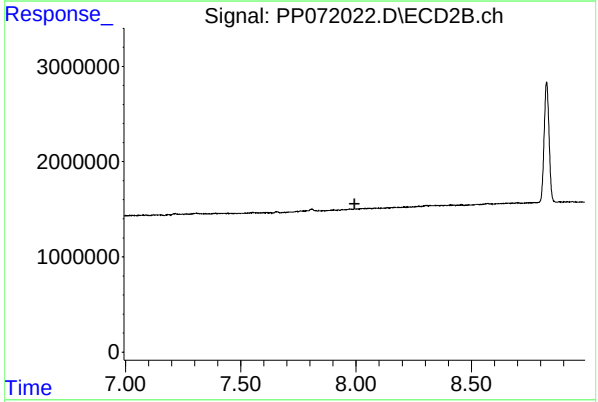
R.T.: 7.808 min
Delta R.T.: 0.019 min
Response: 655897
Conc: 3.88 ng/ml



#43 AR-1268-3

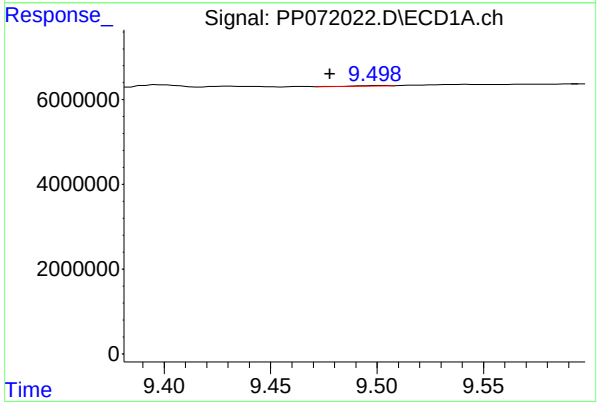
R.T.: 9.060 min
Delta R.T.: 0.001 mi
Response: 1056232
Conc: 4.74 ng/m

Instrument :
ECD_P
ClientSampleId :
I.BLK



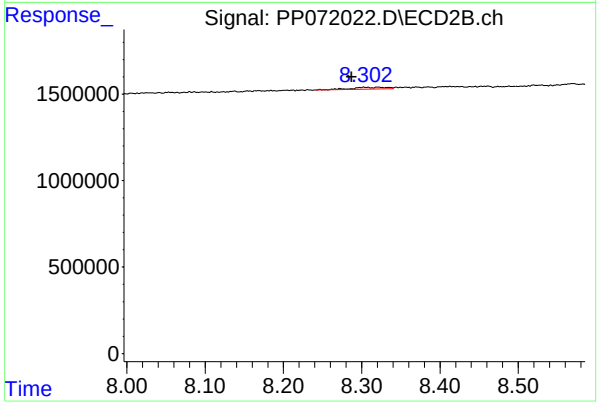
#43 AR-1268-3

R.T.: 0.000 min
Exp R.T. : 7.993 min
Response: 0
Conc: N.D.



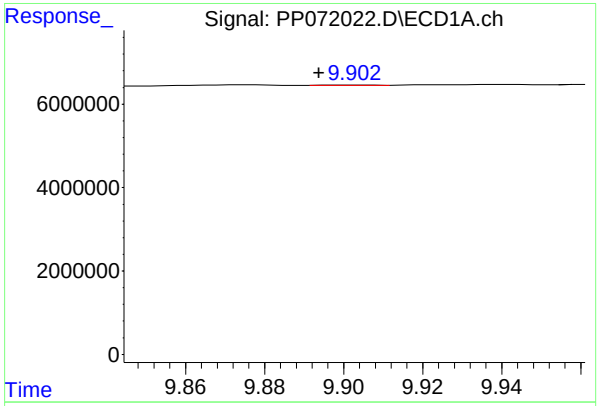
#44 AR-1268-4

R.T.: 9.500 min
Delta R.T.: 0.023 min
Response: 91144
Conc: 0.97 ng/ml



#44 AR-1268-4

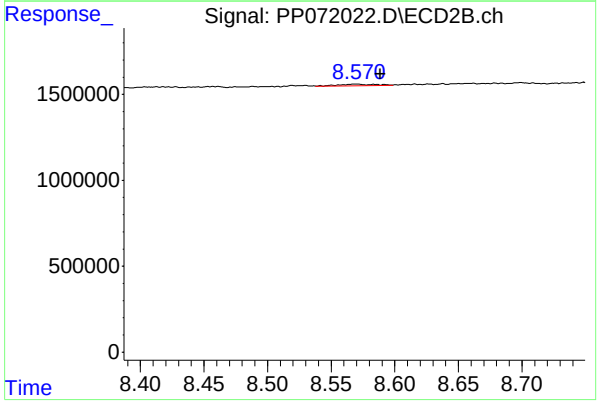
R.T.: 8.304 min
Delta R.T.: 0.016 min
Response: 306703
Conc: 5.04 ng/ml



#45 AR-1268-5

R.T.: 9.904 min
Delta R.T.: 0.010 min
Response: 72691
Conc: 0.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



#45 AR-1268-5

R.T.: 8.569 min
Delta R.T.: -0.019 min
Response: 188610
Conc: 0.51 ng/ml