

Cover Page

Order ID : Q2592

Project ID : Con Edison - East River Site 2

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number

Q2592-01
Q2592-02

Client Sample Number

WC-SOIL-20250711
WC-SOIL-20250711

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

Signature : _____

Date: 7/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

PARSONS Engineering of New York, Inc.

Project Name: Con Edison - East River Site 2

Project # N/A

Order ID # Q2592

Test Name: PCB Group1

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 07/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB Group1. This data package contains results for PCB Group1.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCB Group1s was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID PP073819.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing for 2nd column therefore no corrective action taken.

The Continuous Calibration File ID PP073834.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing for 2nd column therefore no corrective action taken.

Sample WC-SOIL-20250711 was straight analyzed with 10X dilution due to bad matrix.



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E. Additional Comments:

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

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2592

MATRIX: Solid

METHOD: 8082A/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
The Initial Calibration met the requirements.			
The Continuous Calibration File ID PP073819.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing for 2nd column therefore no corrective action taken.			
The Continuous Calibration File ID PP073834.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing for 2nd column therefore no corrective action taken.			
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The MS recoveries met the requirements for all compounds.			
The MSD recoveries met the requirements for all compounds.			
The Blank Spike met requirements for all compounds.			
The RPD were met for all analysis.			
7. Retention Time Shift Meet Criteria (if applicable)			✓
Comments:			
8. Extraction Holding Time Met			✓
If not met, list number of days exceeded for each sample:			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

Sample WC-SOIL-20250711 was straight analyzed with 10X dilution due to bad matrix.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2592

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 07/24/2025

LAB CHRONICLE

OrderID:	Q2592	OrderDate:	7/11/2025 3:05:25 PM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Edison - East River Site 2
Contact:	Zohar Lavy	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2592-01	WC-SOIL-20250711	SOIL	PCB Group1	8082A	07/11/25	07/15/25	07/15/25	07/11/25



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Hit Summary Sheet
SW-846

SDG No.: Q2592

Order ID: Q2592

Client: PARSONS Engineering of New York, Inc.

Project ID: Con Edison - East River Site 2

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q2592

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PP073553.D	PIBLK-PP073553.D	Tetrachloro-m-xyl	1	20	16.2	81		60	140
		Decachlorobiphen	1	20	17.3	87		60	140
		Tetrachloro-m-xyl	2	20	16.2	81		60	140
		Decachlorobiphen	2	20	17.1	85		60	140
I.BLK-PP073808.D	PIBLK-PP073808.D	Tetrachloro-m-xyl	1	20	19.6	98		60	140
		Decachlorobiphen	1	20	19.7	99		60	140
		Tetrachloro-m-xyl	2	20	18.3	91		60	140
		Decachlorobiphen	2	20	20.7	104		60	140
PB168852BL	PB168852BL	Tetrachloro-m-xyl	1	20	19.6	98		32	144
		Decachlorobiphen	1	20	19.9	100		32	175
		Tetrachloro-m-xyl	2	20	18.5	92		32	144
		Decachlorobiphen	2	20	21.3	106		32	175
PB168852BS	PB168852BS	Tetrachloro-m-xyl	1	20	20.4	102		32	144
		Decachlorobiphen	1	20	20.5	103		32	175
		Tetrachloro-m-xyl	2	20	18.1	91		32	144
		Decachlorobiphen	2	20	21.9	110		32	175
Q2592-01	WC-SOIL-20250711	Tetrachloro-m-xyl	1	20	18.3	92		32	144
		Decachlorobiphen	1	20	14.7	74		32	175
		Tetrachloro-m-xyl	2	20	18.0	90		32	144
		Decachlorobiphen	2	20	16.6	83		32	175
I.BLK-PP073823.D	PIBLK-PP073823.D	Tetrachloro-m-xyl	1	20	18.1	91		60	140
		Decachlorobiphen	1	20	17.7	89		60	140
		Tetrachloro-m-xyl	2	20	18.1	90		60	140
		Decachlorobiphen	2	20	20.4	102		60	140
Q2598-01MS	OK-01-071425MS	Tetrachloro-m-xyl	1	20	16.5	83		32	144
		Decachlorobiphen	1	20	19.0	95		32	175
		Tetrachloro-m-xyl	2	20	18.9	94		32	144
		Decachlorobiphen	2	20	20.1	100		32	175
Q2598-01MSD	OK-01-071425MSD	Tetrachloro-m-xyl	1	20	17.9	90		32	144
		Decachlorobiphen	1	20	20.0	100		32	175
		Tetrachloro-m-xyl	2	20	21.2	106		32	144
		Decachlorobiphen	2	20	21.9	110		32	175
I.BLK-PP073838.D	PIBLK-PP073838.D	Tetrachloro-m-xyl	1	20	17.8	89		60	140
		Decachlorobiphen	1	20	18.1	90		60	140
		Tetrachloro-m-xyl	2	20	18.3	91		60	140
		Decachlorobiphen	2	20	21.6	108		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2592</u>	Analytical Method:	<u>8082A</u>
Client:	<u>PARSONS Engineering of New York, Inc</u>	DataFile :	<u>PP073825.D</u>

		Sample					Rec		RPD		Limits	
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2598-01MS	Client Sample ID:		OK-01-071425MS								
	(Column 1)											
	AR1016			171.8	0	154	ug/kg	90			55	146
	AR1260			171.8	0	143	ug/kg	83			54	119
Lab Sample ID:	Q2598-01MS	Client Sample ID:		OK-01-071425MS								
	(Column 2)											
	AR1016			171.8	0	147	ug/kg	86			55	146
	AR1260			171.8	0	136	ug/kg	79			54	119

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2592</u>	Analytical Method:	<u>8082A</u>
Client:	<u>PARSONS Engineering of New York, Inc</u>	DataFile :	<u>PP073826.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2598-01MSD	Client Sample ID:		OK-01-071425MSD							
(Column 1)											
AR1016	172.1	0	162	ug/kg	94		4		55	146	15
AR1260	172.1	0	150	ug/kg	87		5		54	119	15
Lab Sample ID:	Q2598-01MSD	Client Sample ID:		OK-01-071425MSD							
(Column 2)											
AR1016	172.1	0	159	ug/kg	92		7		55	146	15
AR1260	172.1	0	146	ug/kg	85		7		54	119	15



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2592	Analytical Method:	8082A
Client:	PARSONS Engineering of New York, Inc	Datafile :	PP073810.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168852BS (Column 1)	AR1016	166.6	162	ug/kg	97				71	120	
	AR1260	166.6	151	ug/kg	91				65	130	
PB168852BS (Column 2)	AR1016	166.6	157	ug/kg	94				71	120	
	AR1260	166.6	158	ug/kg	95				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168852BL

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab Sample ID: PB168852BL

Lab File ID: PP073809.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/15/2025

Date Analyzed (1): 07/15/2025

Date Analyzed (2): 07/15/2025

Time Analyzed (1): 17:30

Time Analyzed (2): 17:30

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168852BS	PB168852BS	PP073810.D	07/15/2025	07/15/2025
WC-SOIL-20250711	Q2592-01	PP073814.D	07/15/2025	07/15/2025
OK-01-071425MS	Q2598-01MS	PP073825.D	07/15/2025	07/15/2025
OK-01-071425MSD	Q2598-01MSD	PP073826.D	07/15/2025	07/15/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711	SDG No.:	Q2592
Lab Sample ID:	Q2592-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	76.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073814.D	10	07/15/25 08:40	07/15/25 18:52	PB168852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	221	U	51.4	221	ug/kg
11104-28-2	Aroclor-1221	221	U	52.4	221	ug/kg
11141-16-5	Aroclor-1232	221	U	48.4	221	ug/kg
53469-21-9	Aroclor-1242	221	U	52.1	221	ug/kg
12672-29-6	Aroclor-1248	221	U	77.0	221	ug/kg
11097-69-1	Aroclor-1254	221	U	41.7	221	ug/kg
37324-23-5	Aroclor-1262	221	U	65.3	221	ug/kg
11100-14-4	Aroclor-1268	221	U	46.8	221	ug/kg
11096-82-5	Aroclor-1260	221	U	42.0	221	ug/kg
Total PCBs	Total PCBs	221	U	77.0	221	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		32 - 144	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		32 - 175	83%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
 Data File : PP073814.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Jul 2025 18:52
 Operator : YP\AJ
 Sample : Q2592-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 WC-SOIL-20250711

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
 Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 01:51:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:35:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.485	3.778	2502434	3323716	1.827m	1.804
2) SA Decachlor...	10.171	8.776	1603659	2201122	1.470m	1.664

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073814.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 18:52
Operator : YP\AJ
Sample : Q2592-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

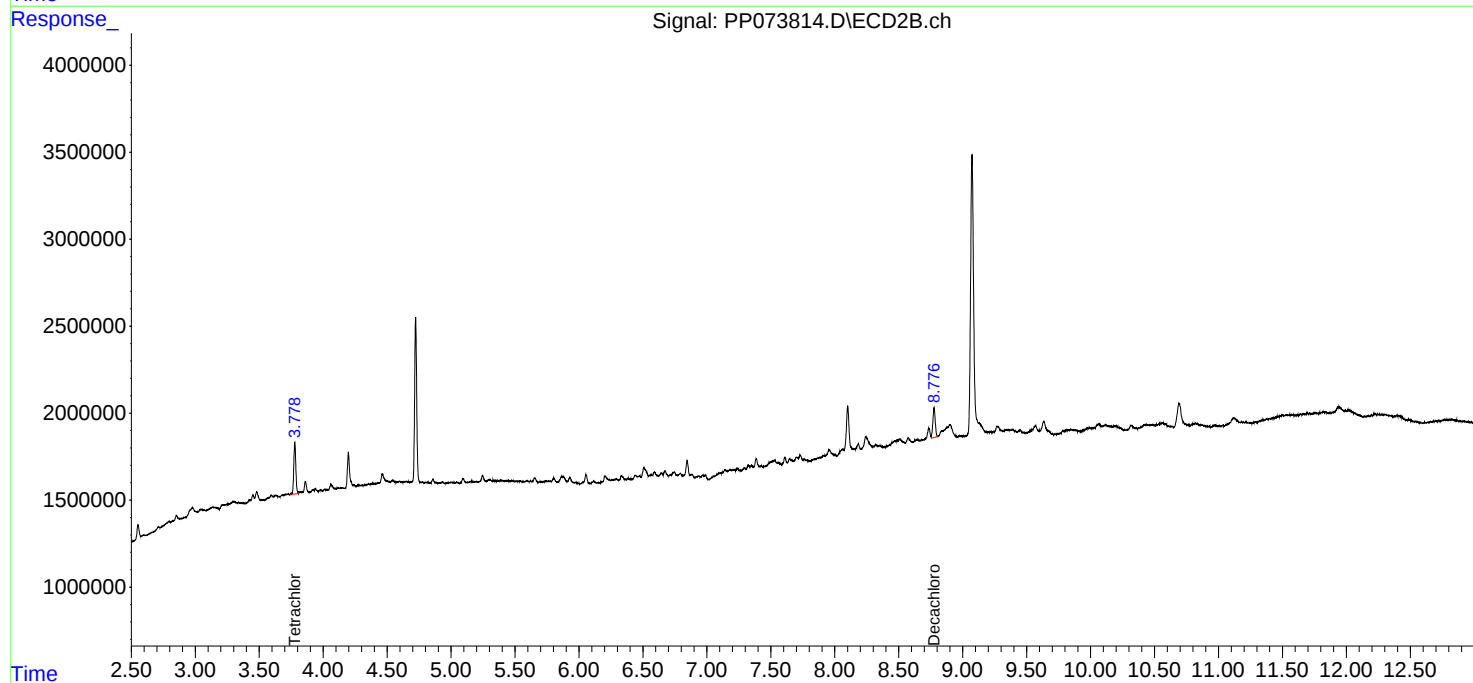
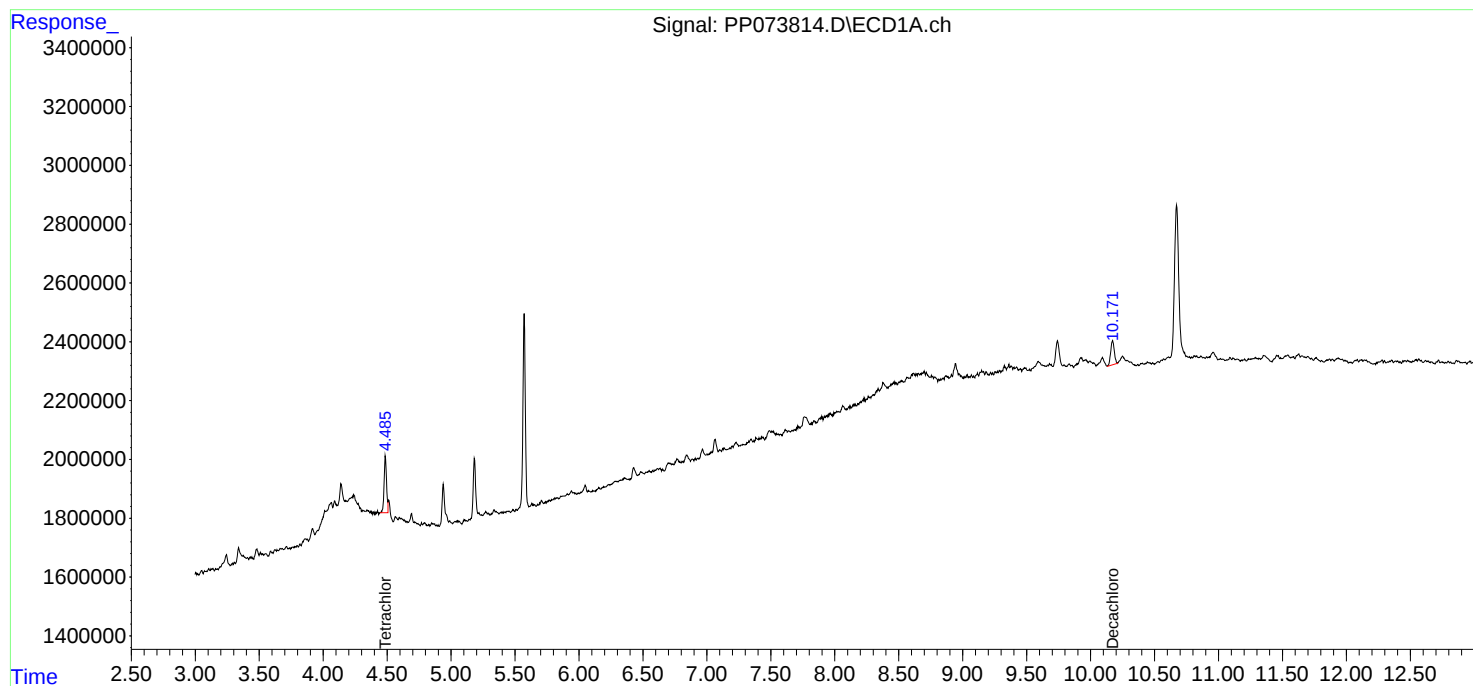
Instrument :
ECD_P
ClientSampleId :
WC-SOIL-20250711

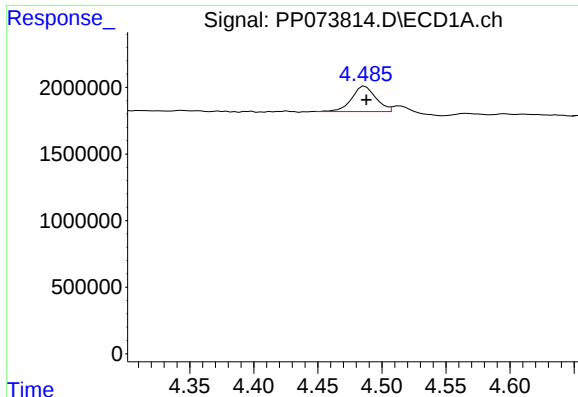
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:51:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 2502434
Conc: 1.83 ng/ml

Instrument :

ECD_P

ClientSampleId :

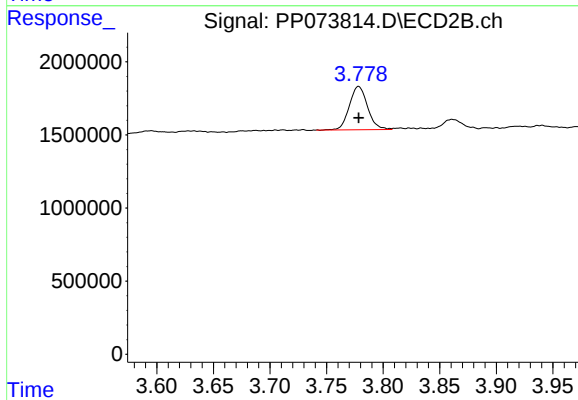
WC-SOIL-20250711

Manual Integrations

APPROVED

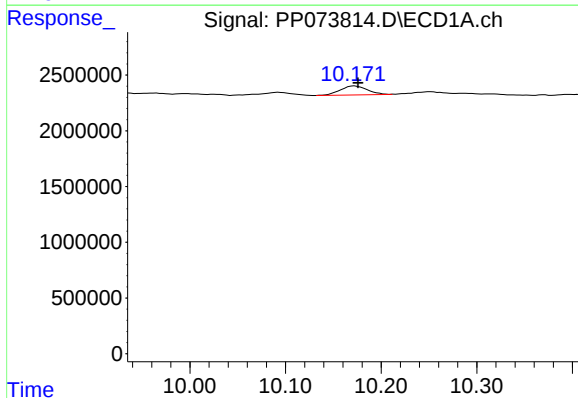
Reviewed By :Yogesh Patel 07/16/2025

Supervised By :mohammad ahmed 07/19/2025



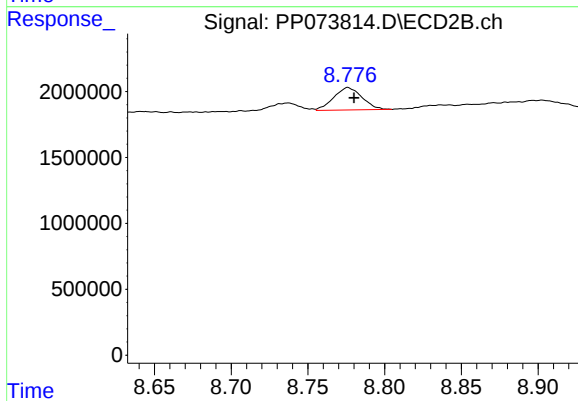
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 3323716
Conc: 1.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 1603659
Conc: 1.47 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.004 min
Response: 2201122
Conc: 1.66 ng/ml



CALIBRATION SUMMARY

Calibration Times: 21:03 04:24

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

[illegible]

[illegible]

Calibration Times: 21:03 04:24

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

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: PARS02
SDG NO.: Q2592

Calibration Date(s): 07/07/2025 07/08/2025
Calibration Times: 21:03 04:24

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

LAB FILE ID:		CF 1000 = <u>PP073554.D</u>		CF 750 = <u>PP073555.D</u>			
CF 500 = <u>PP073556.D</u>		CF 250 = <u>PP073557.D</u>		CF 050 = <u>PP073558.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	42452248	45617859	47138872	50511676	51847220	47513575
Aroclor-1016-2	(2)	66518124	70141979	72048808	76716636	70648900	71214889
Aroclor-1016-3	(3)	39961628	42046196	44162638	46389840	45755080	43663076
Aroclor-1016-4	(4)	33606097	35475740	36592056	38460728	35593260	35945576
Aroclor-1016-5	(5)	30910810	31971305	32786356	34274032	26709560	31330413
Aroclor-1260-1	(1)	55735594	57789364	59663732	63324028	58293500	58961244
Aroclor-1260-2	(2)	82256765	86873544	90393892	97973444	121701660	95839861
Aroclor-1260-3	(3)	71122512	73727981	74691298	76804056	69007300	73070629
Aroclor-1260-4	(4)	63951646	66011447	66730410	69035472	60770420	65299879
Aroclor-1260-5	(5)	147606205	151816095	154896322	160840336	139104740	150852740
Decachlorobiphenyl		1075002490	1114272707	1146110620	1163852360	956024000	1091052435
Tetrachloro-m-xylene		1314627420	1370591720	1413189460	1469047800	1280173600	1369526000
Aroclor-1242-1	(1)	37824570	38531545	40764028	42347748	31473220	38188222
Aroclor-1242-2	(2)	59433539	58987884	63134254	65007836	52846680	59882039
Aroclor-1242-3	(3)	35307728	35832168	38067086	39311740	34585840	36620912
Aroclor-1242-4	(4)	29431539	30211543	31738592	32275500	37022940	32136023
Aroclor-1242-5	(5)	31742412	31628361	33353228	35089048	31871320	32736874
Decachlorobiphenyl		1095703140	1117596867	1144519060	1154694600	992628000	1101028333
Tetrachloro-m-xylene		1336424670	1349665200	1427212360	1438929280	1262569400	1362960182
Aroclor-1248-1	(1)	29290065	30340729	31459936	34321104	28940820	30870531
Aroclor-1248-2	(2)	37625323	39736876	40535254	44074952	37644360	39923353
Aroclor-1248-3	(3)	43927993	45846956	46075290	48569104	37628800	44409629
Aroclor-1248-4	(4)	53376796	55925132	57147446	59774616	49178580	55080514
Aroclor-1248-5	(5)	51803368	53704276	55758942	57942584	49744040	53790642
Decachlorobiphenyl		1098016930	1133084880	1145143920	1172914800	889666400	1087765386
Tetrachloro-m-xylene		1321954420	1371326347	1415433040	1456874560	1240770200	1361271713
Aroclor-1254-1	(1)	50900598	53159759	55209204	57116384	51561700	53589529
Aroclor-1254-2	(2)	77237012	80519573	82538946	86348708	89800160	83288880
Aroclor-1254-3	(3)	83677544	86010903	88492372	92072040	91405580	88331688
Aroclor-1254-4	(4)	74438148	76222969	79592040	81854844	81227180	78667036
Aroclor-1254-5	(5)	71888659	74572743	74620102	76347748	70969780	73679806
Decachlorobiphenyl		1107439250	1132832533	1145288580	1145076280	1133429800	1132813289
Tetrachloro-m-xylene		1351624000	1395660893	1401155480	1465561640	1387618000	1400324003
Aroclor-1268-1	(1)	220572869	225132533	228083942	237689468	204639620	223223686



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: PARS02
SDG NO.: Q2592

Calibration Date(s): 07/07/2025 07/08/2025
Calibration Times: 21:03 04:24

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

LAB FILE ID:		CF 1000 = <u>PP073554.D</u>		CF 750 = <u>PP073555.D</u>			
CF 500 = <u>PP073556.D</u>		CF 250 = <u>PP073557.D</u>		CF 050 = <u>PP073558.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	63548895	66956692	68520980	73175628	68671440	5
Aroclor-1016-2	(2)	95987811	99810097	102589296	109872788	101161940	5
Aroclor-1016-3	(3)	50406684	53112144	54849034	57930668	54233060	5
Aroclor-1016-4	(4)	39688708	42104989	43896956	47040184	46673360	7
Aroclor-1016-5	(5)	50298801	53487816	55660288	59272232	54193420	6
Aroclor-1260-1	(1)	89335231	94510516	99471332	104207304	100277120	6
Aroclor-1260-2	(2)	113000947	118559808	124003550	129850992	128772620	6
Aroclor-1260-3	(3)	102918015	108414332	112293296	117668340	106025080	5
Aroclor-1260-4	(4)	82942909	90440599	92349274	96325208	84984160	6
Aroclor-1260-5	(5)	218347404	234684793	232225124	233707816	204717920	6
Decachlorobiphenyl		1288482360	1338938240	1324505420	1466524480	1197294400	7
Tetrachloro-m-xylene		1774031450	1893159427	1873404460	1944042160	1726825000	5
Aroclor-1242-1	(1)	53636877	56644489	60339480	62120840	56082120	6
Aroclor-1242-2	(2)	81745742	82323689	88927402	91756504	87517600	5
Aroclor-1242-3	(3)	43191003	44194741	47579930	48843488	45924140	5
Aroclor-1242-4	(4)	40719317	41867060	45117014	46860680	46752460	6
Aroclor-1242-5	(5)	53173633	53609452	57067394	58584716	53777140	4
Decachlorobiphenyl		1306642480	1369985587	1353011840	1407476720	1194819200	6
Tetrachloro-m-xylene		1787240920	1786937067	1893455580	1997751320	1666197200	7
Aroclor-1248-1	(1)	41993150	43590469	45185544	49843992	43861300	7
Aroclor-1248-2	(2)	55737799	58586344	61889020	66706936	64762540	7
Aroclor-1248-3	(3)	58429721	61323012	64407590	69469512	66692820	7
Aroclor-1248-4	(4)	68661033	72026459	75308372	81734520	79156680	7
Aroclor-1248-5	(5)	69725277	73210425	76423314	81696724	71898780	6
Decachlorobiphenyl		1298382400	1392805453	1360355620	1440840840	1158845800	8
Tetrachloro-m-xylene		1855486030	1865559853	1910416600	1967065360	1674658000	6
Aroclor-1254-1	(1)	105364555	111697468	112323806	121711620	129052960	8
Aroclor-1254-2	(2)	90612135	96205700	96079760	105129084	115091100	10
Aroclor-1254-3	(3)	142515413	152219476	152099148	162118636	163279600	6
Aroclor-1254-4	(4)	86996505	93901768	94351020	100389560	97157080	5
Aroclor-1254-5	(5)	123596587	131044949	130737444	141046724	140798600	6
Decachlorobiphenyl		1348192280	1398430560	1372338640	1507697520	1377457800	4
Tetrachloro-m-xylene		1809940380	1949806187	1892015400	1932532480	1944382600	3
Aroclor-1268-1	(1)	290584667	307587391	307795276	323603296	307313580	4



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
Instrument ID: ECD_P **Date(s) Analyzed:** 07/07/2025 07/08/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.69	4.59	4.79	17866400
		2	4.78	4.68	4.88	13504500
		3	4.85	4.75	4.95	41604800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.85	4.75	4.95	32650800
		2	5.37	5.27	5.47	16254700
		3	5.66	5.56	5.76	32993400
		4	5.82	5.72	5.92	16445200
		5	5.91	5.81	6.01	10570400
Aroclor-1262	500	1	8.07	7.97	8.17	87027200
		2	8.38	8.28	8.48	198028000
		3	8.70	8.60	8.80	125725000
		4	8.78	8.68	8.88	93262800
		5	9.43	9.33	9.53	63389400



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.99	3.89	4.09	27045000
		2	4.08	3.98	4.18	20360400
		3	4.15	4.05	4.25	61448600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	46614400
		2	4.88	4.78	4.98	47659800
		3	5.05	4.95	5.15	25029000
		4	5.14	5.04	5.24	21656200
		5	5.31	5.21	5.41	22563400
Aroclor-1262	500	1	6.89	6.79	6.99	147692000
		2	7.15	7.05	7.25	127829000
		3	7.67	7.57	7.77	114019000
		4	7.74	7.64	7.84	184049000
		5	8.23	8.13	8.33	84435600

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC1000

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

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

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

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

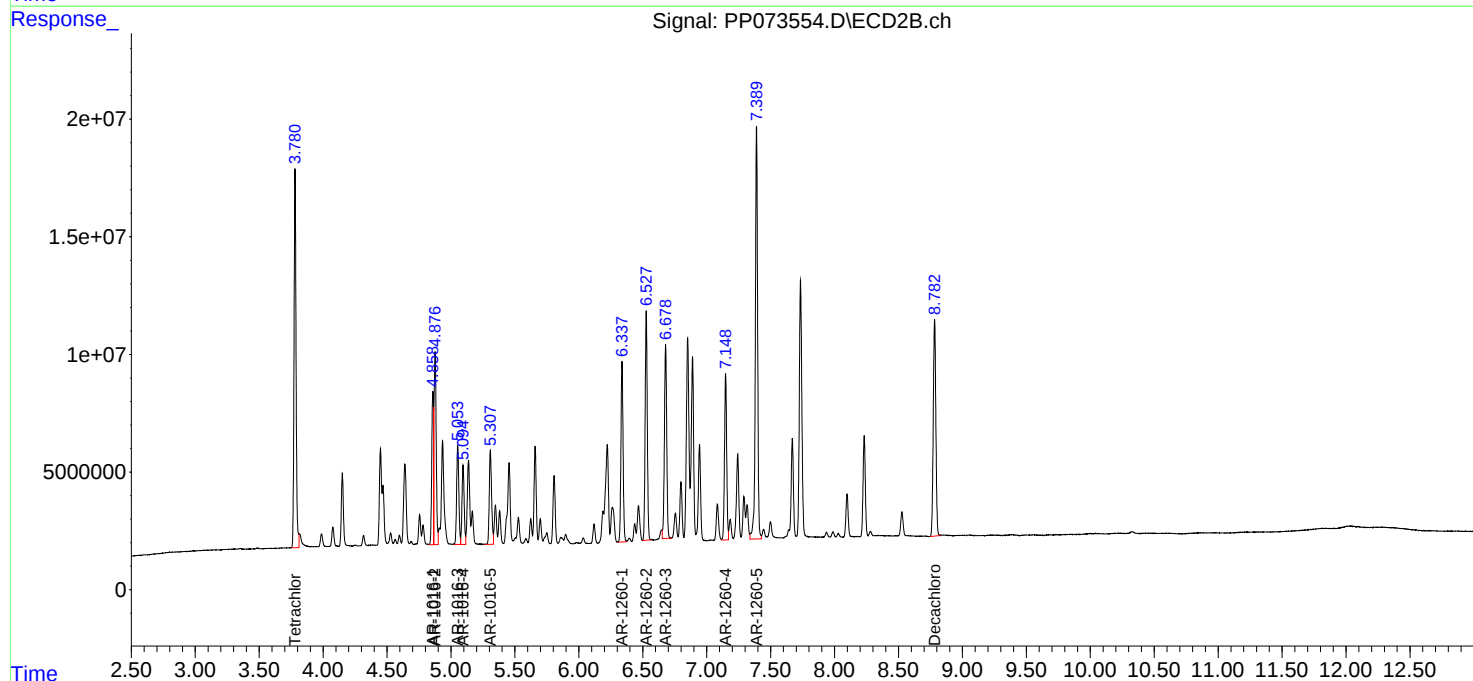
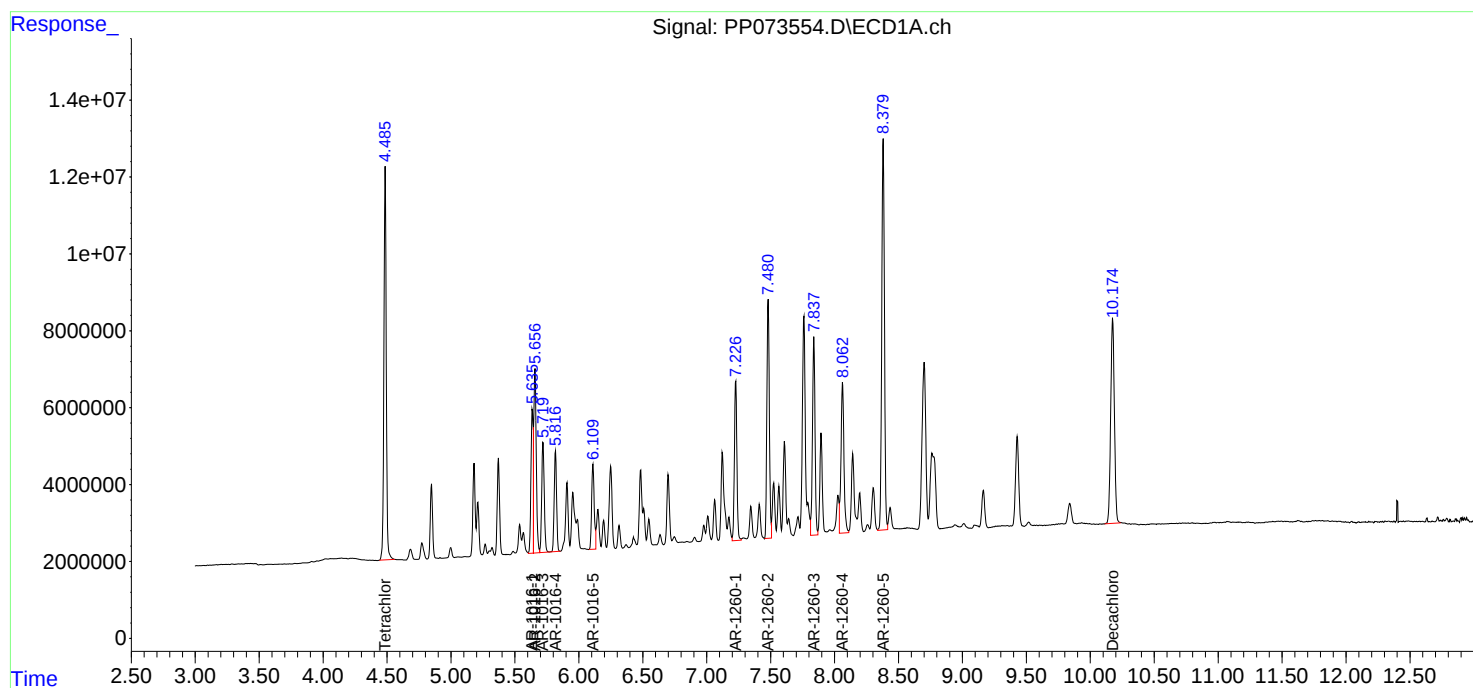
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

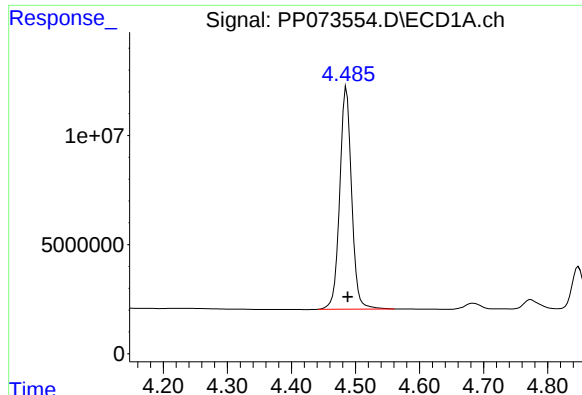
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:03
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

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

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

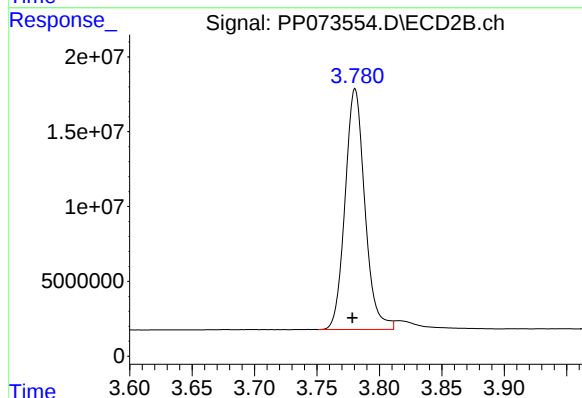




#1 Tetrachloro-m-xylene

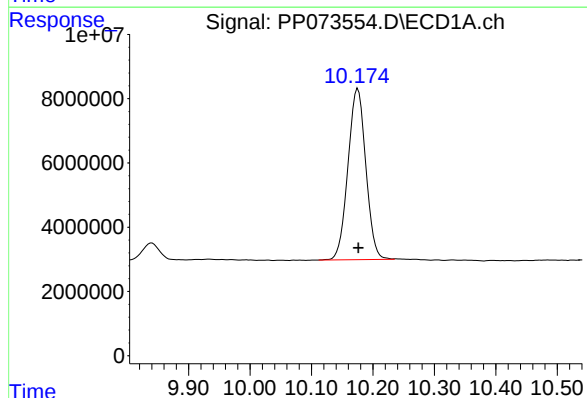
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 131462742
Conc: 93.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



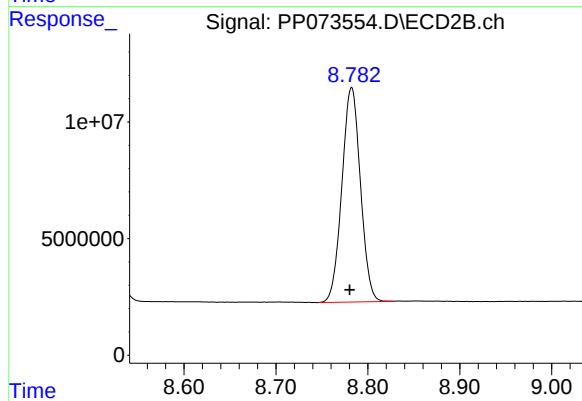
#1 Tetrachloro-m-xylene

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



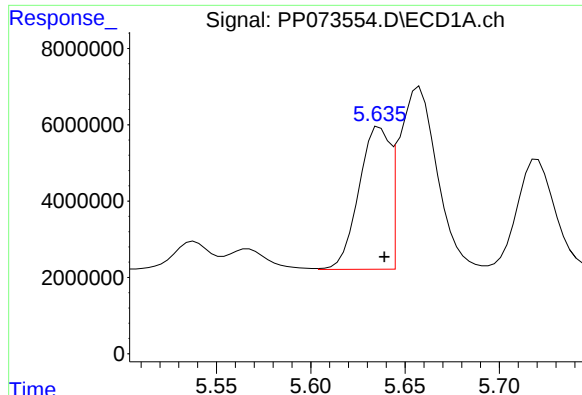
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

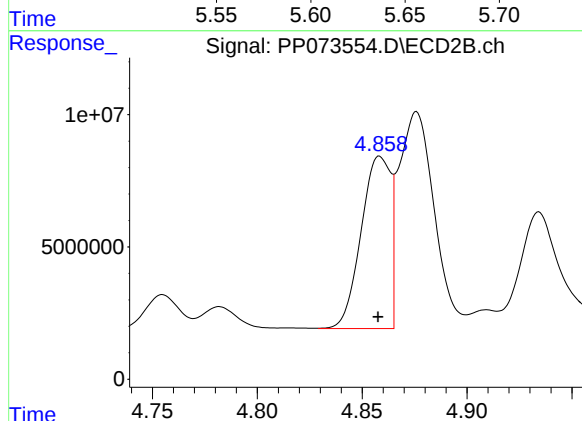
R.T.: 8.782 min
Delta R.T.: 0.002 min
Response: 128848236
Conc: 97.28 ng/ml



#3 AR-1016-1

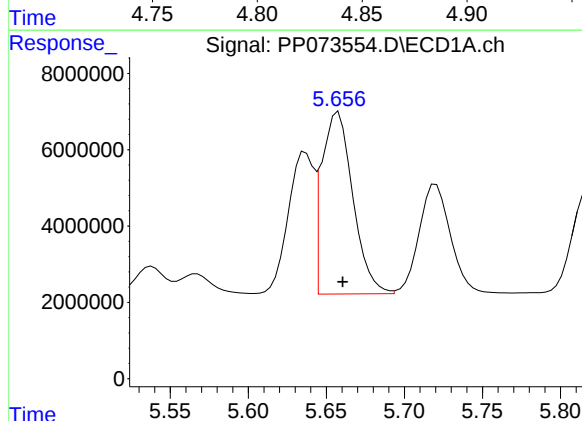
R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 42452248
Conc: 900.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



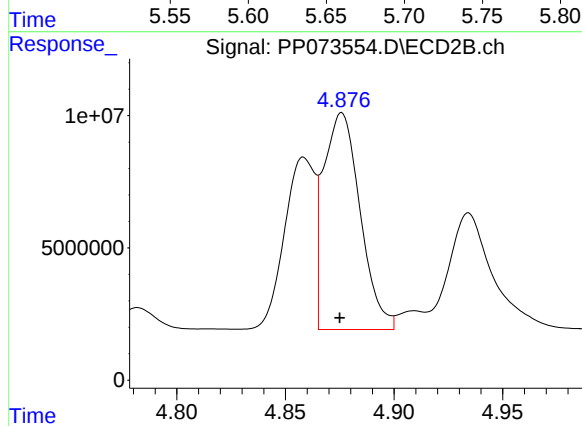
#3 AR-1016-1

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



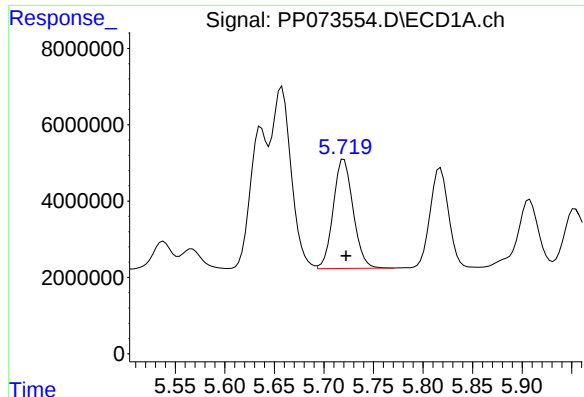
#4 AR-1016-2

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



#4 AR-1016-2

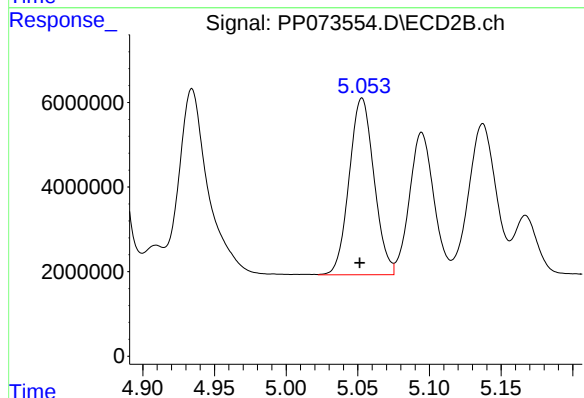
R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 95987811
Conc: 935.65 ng/ml



#5 AR-1016-3

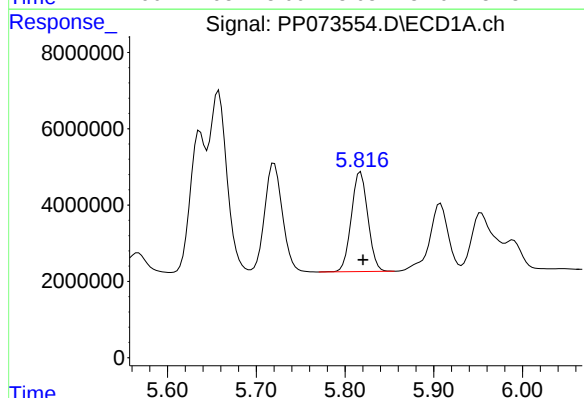
R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 39961628
Conc: 904.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



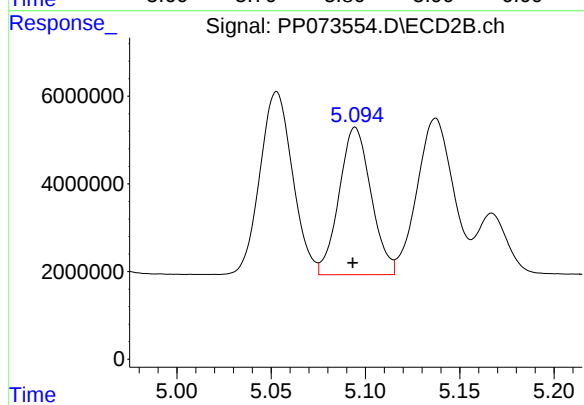
#5 AR-1016-3

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



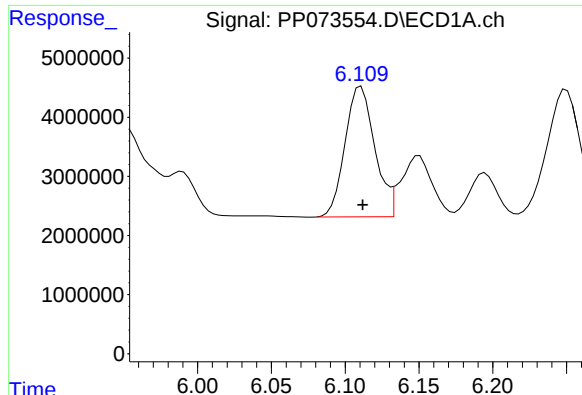
#6 AR-1016-4

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



#6 AR-1016-4

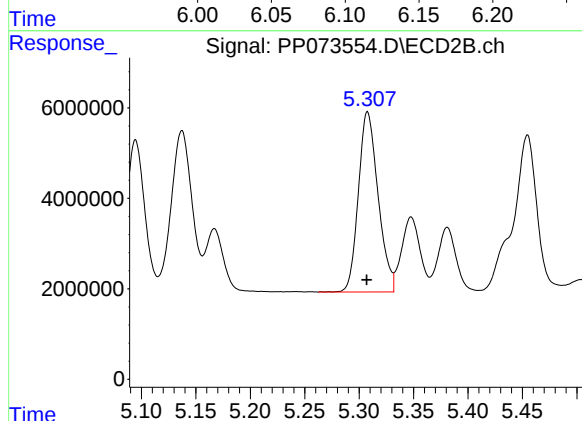
R.T.: 5.095 min
Delta R.T.: 0.001 min
Response: 39688708
Conc: 904.13 ng/ml



#7 AR-1016-5

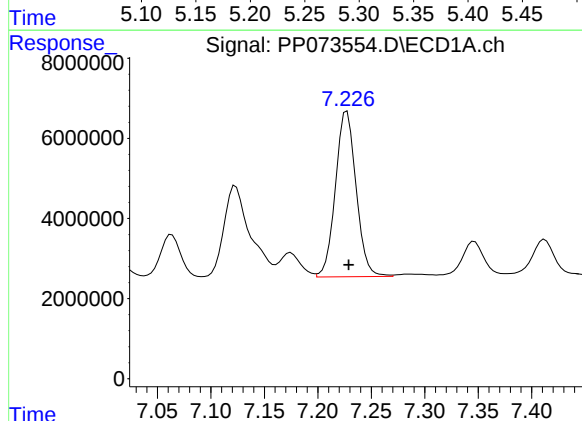
R.T.: 6.111 min
Delta R.T.: -0.001 min
Response: 30910810
Conc: 942.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



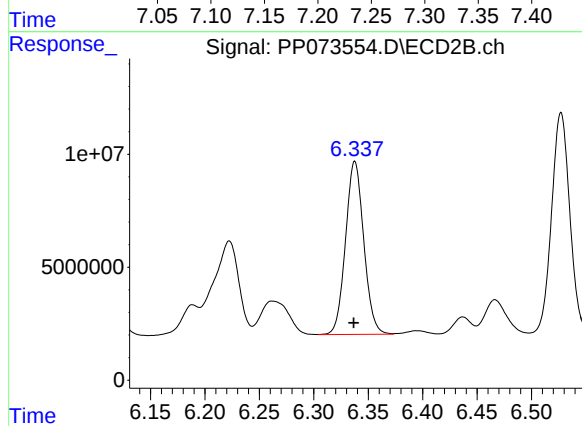
#7 AR-1016-5

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



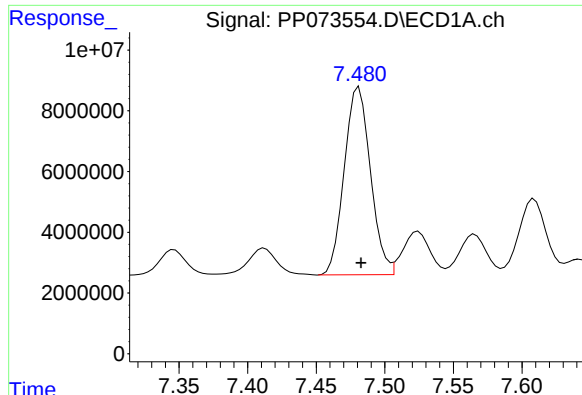
#31 AR-1260-1

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



#31 AR-1260-1

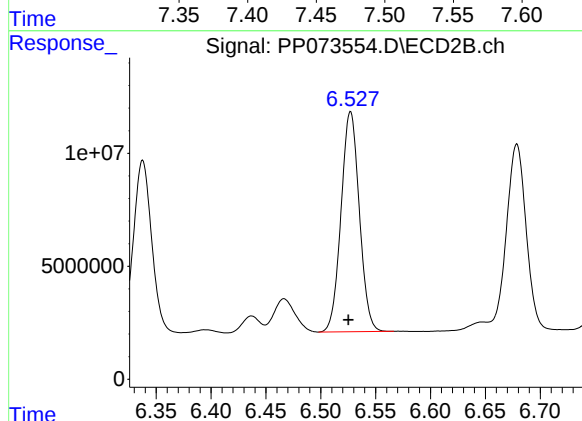
R.T.: 6.338 min
Delta R.T.: 0.001 min
Response: 89335231
Conc: 898.10 ng/ml



#32 AR-1260-2

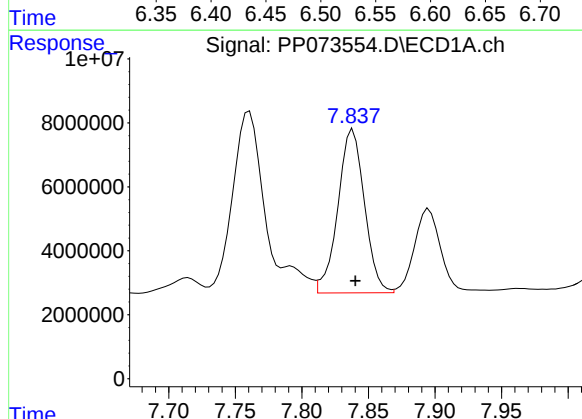
R.T.: 7.481 min
Delta R.T.: -0.002 min
Response: 82256765
Conc: 909.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



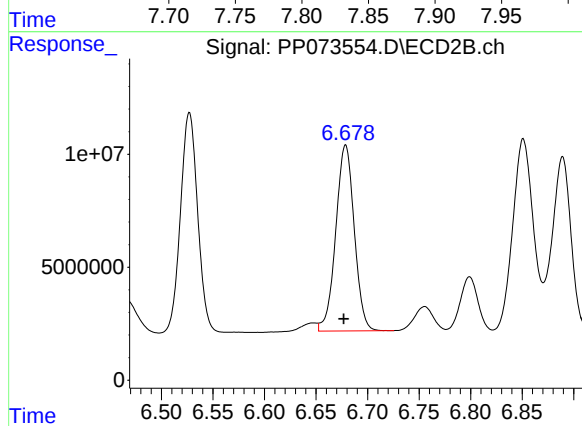
#32 AR-1260-2

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



#33 AR-1260-3

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



#33 AR-1260-3

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

Response_ Signal: PP073554.D\ECD1A.ch

#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Time

Response_ Signal: PP073554.D\ECD2B.ch

#34 AR-1260-4

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

Time

Response_ Signal: PP073554.D\ECD1A.ch

#35 AR-1260-5

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

Time

Response_ Signal: PP073554.D\ECD2B.ch

#35 AR-1260-5

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

Time

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC750

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

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

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

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

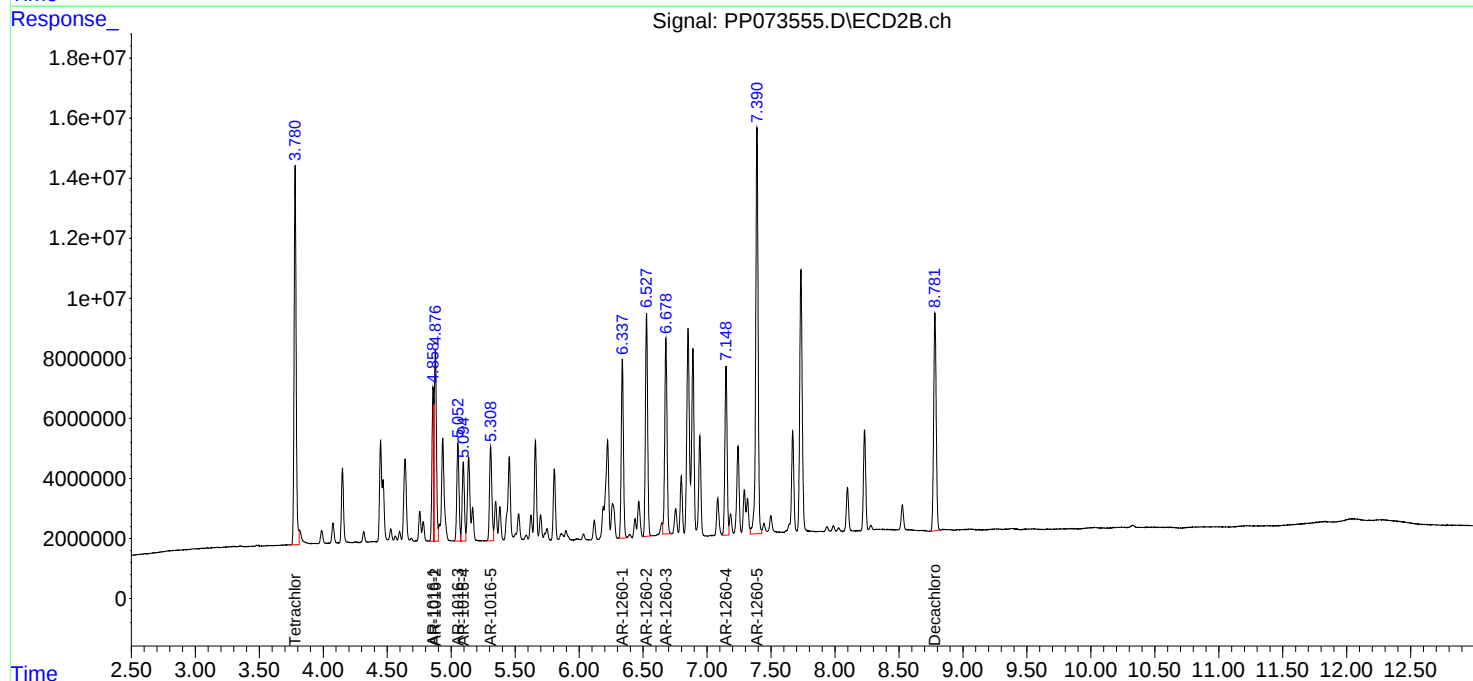
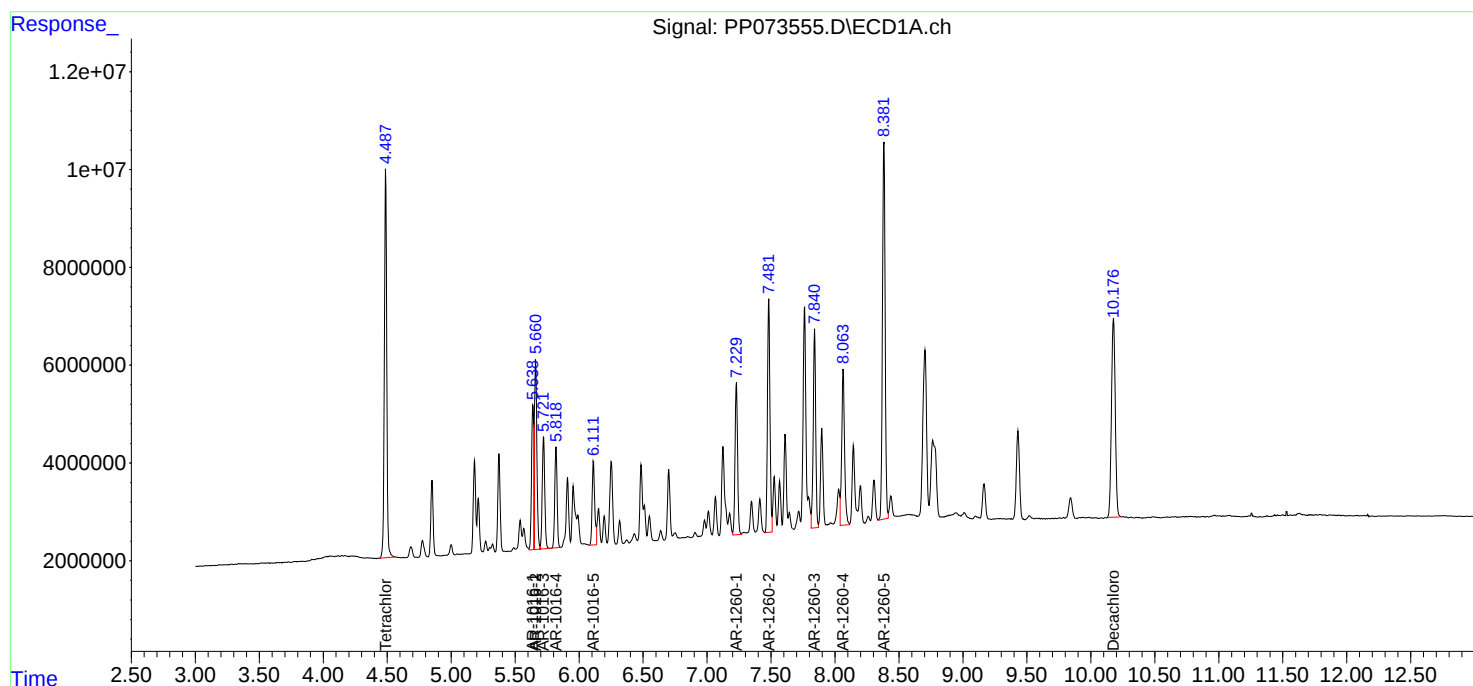
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

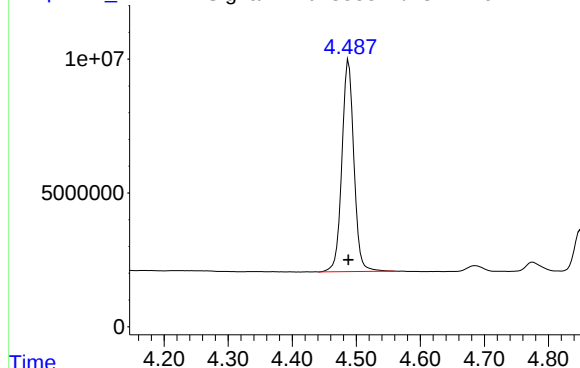
Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

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

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



Response_ Signal: PP073555.D\ECD1A.ch

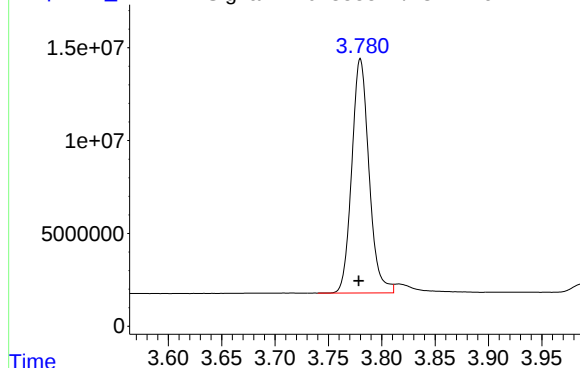


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

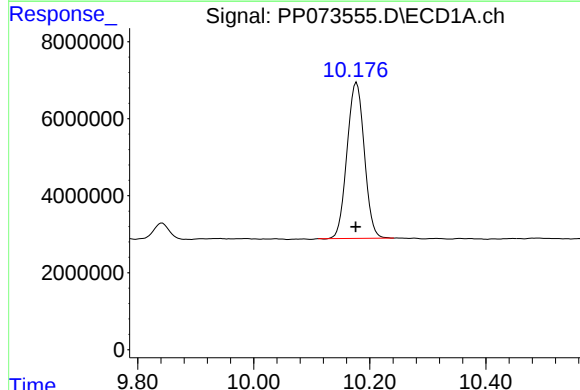
Response_ Signal: PP073555.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

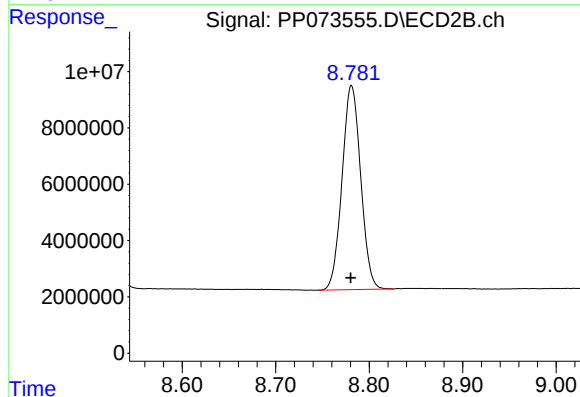
Response_ Signal: PP073555.D\ECD1A.ch



#2 Decachlorobiphenyl

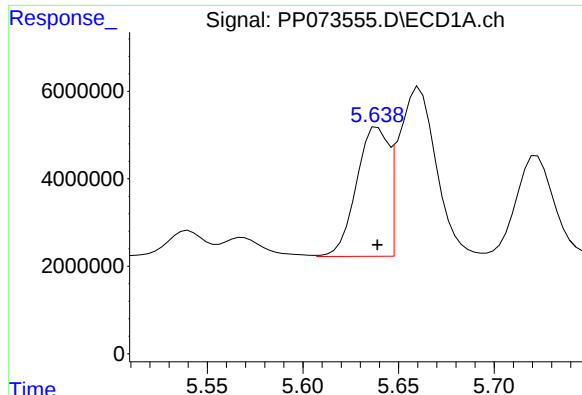
R.T.: 10.177 min
Delta R.T.: 0.001 min
Response: 83570453
Conc: 72.92 ng/ml

Response_ Signal: PP073555.D\ECD2B.ch



#2 Decachlorobiphenyl

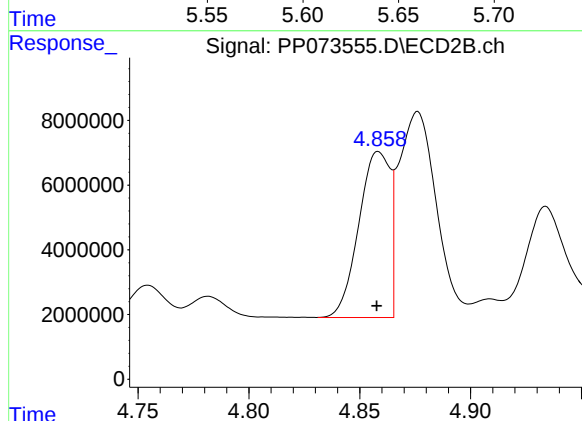
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 100420368
Conc: 75.82 ng/ml



#3 AR-1016-1

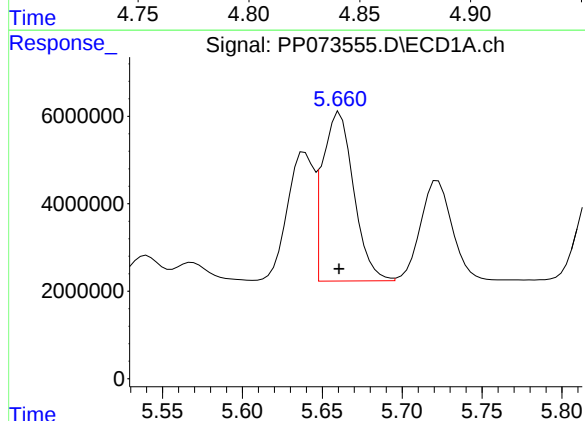
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 34213394
Conc: 725.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



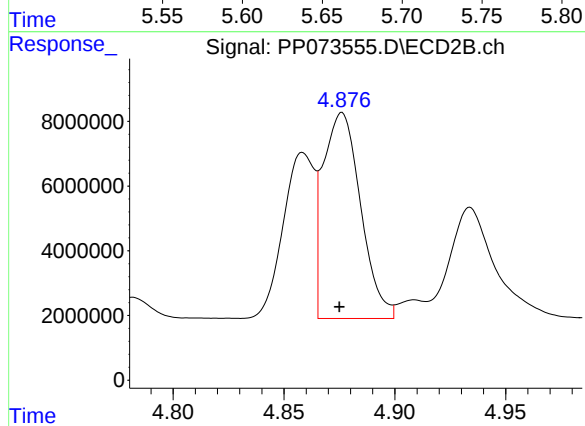
#3 AR-1016-1

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



#4 AR-1016-2

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



#4 AR-1016-2

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

Response_ Signal: PP073555.D\ECD1A.ch

#5 AR-1016-3

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Time

Response_ Signal: PP073555.D\ECD2B.ch

#5 AR-1016-3

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

Time

Response_ Signal: PP073555.D\ECD1A.ch

#6 AR-1016-4

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

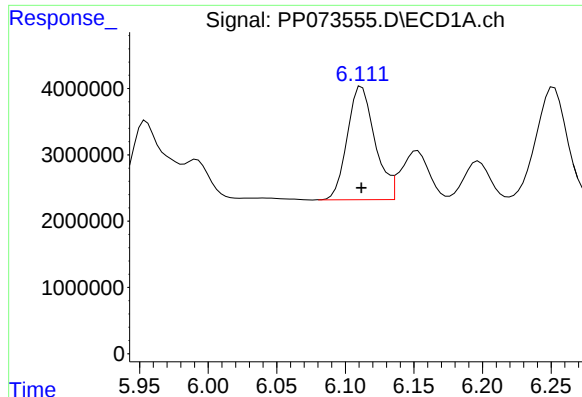
Time

Response_ Signal: PP073555.D\ECD2B.ch

#6 AR-1016-4

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

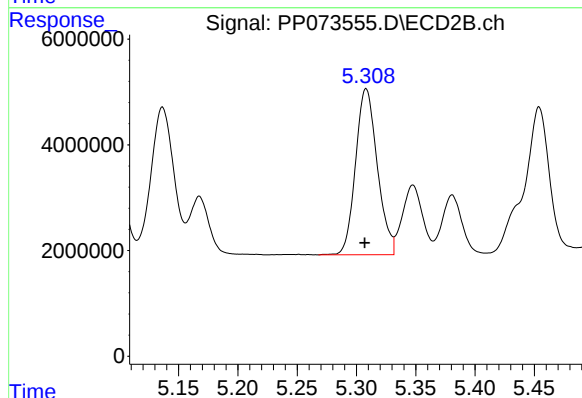
Time



#7 AR-1016-5

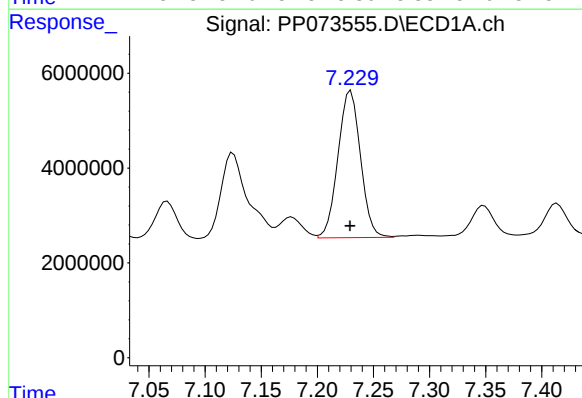
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 23978479
Conc: 731.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



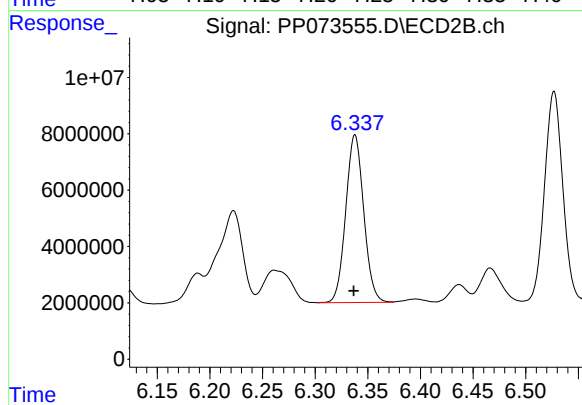
#7 AR-1016-5

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



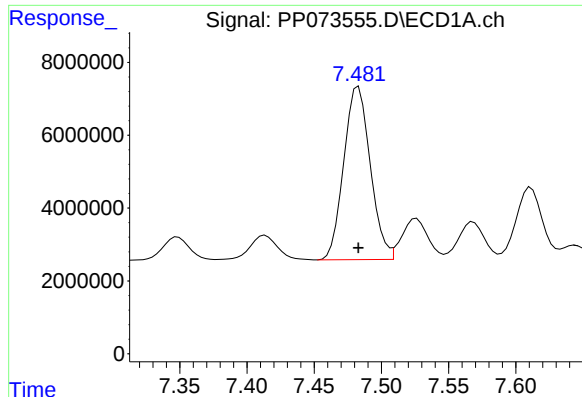
#31 AR-1260-1

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



#31 AR-1260-1

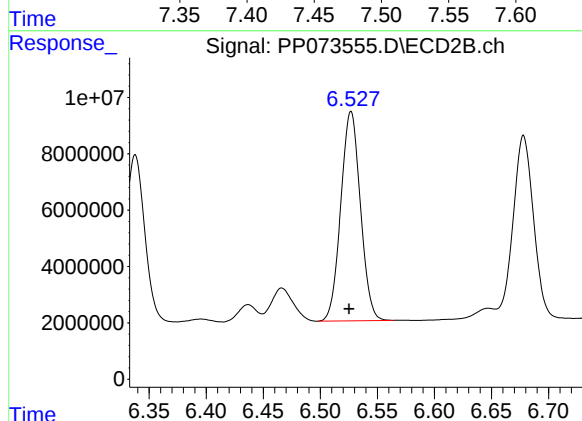
R.T.: 6.338 min
Delta R.T.: 0.001 min
Response: 70882887
Conc: 712.60 ng/ml



#32 AR-1260-2

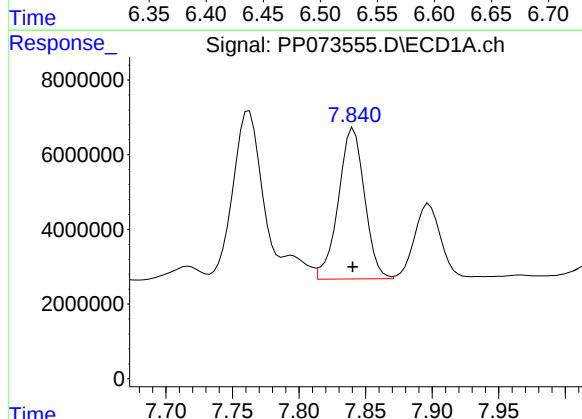
R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 65155158
Conc: 720.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



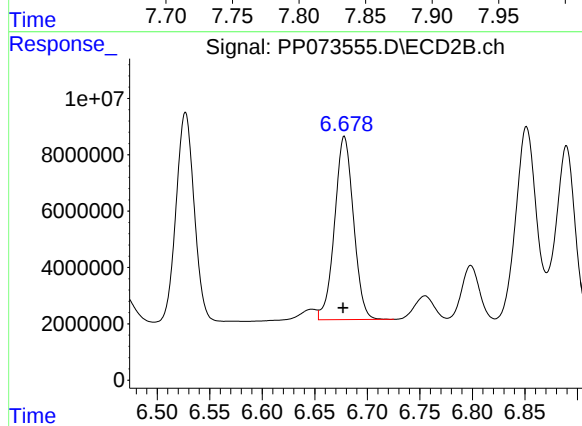
#32 AR-1260-2

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



#33 AR-1260-3

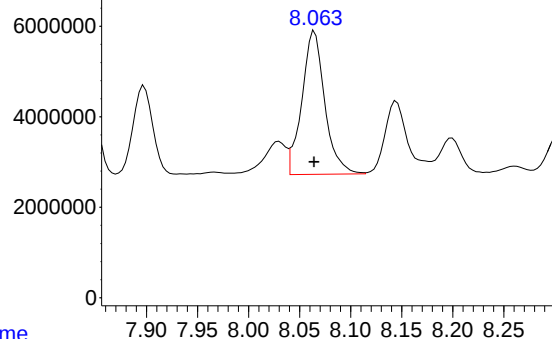
R.T.: 7.841 min
Delta R.T.: 0.000 min
Response: 55295986
Conc: 740.33 ng/ml



#33 AR-1260-3

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

Response_ Signal: PP073555.D\ECD1A.ch

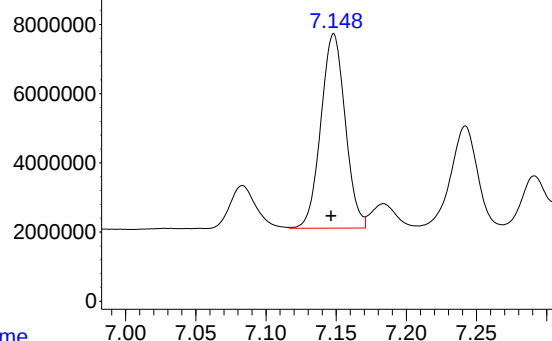


#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

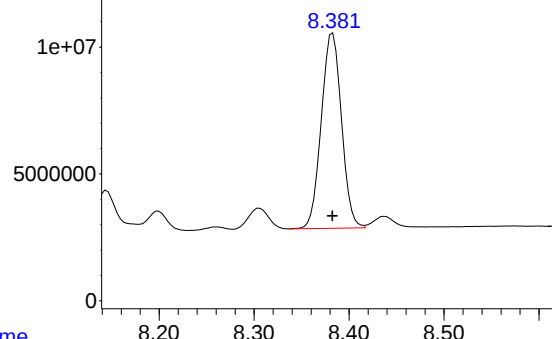
Time Response_ Signal: PP073555.D\ECD2B.ch



#34 AR-1260-4

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

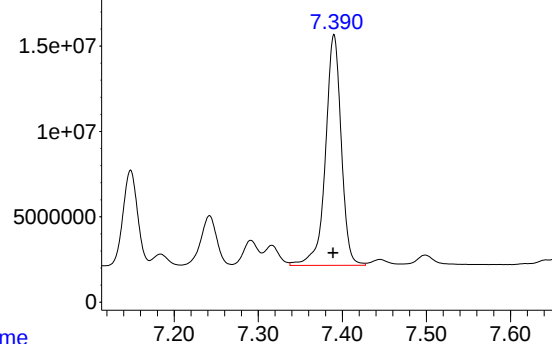
Time Response_ Signal: PP073555.D\ECD1A.ch



#35 AR-1260-5

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

Time Response_ Signal: PP073555.D\ECD2B.ch



#35 AR-1260-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC500

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

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

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

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

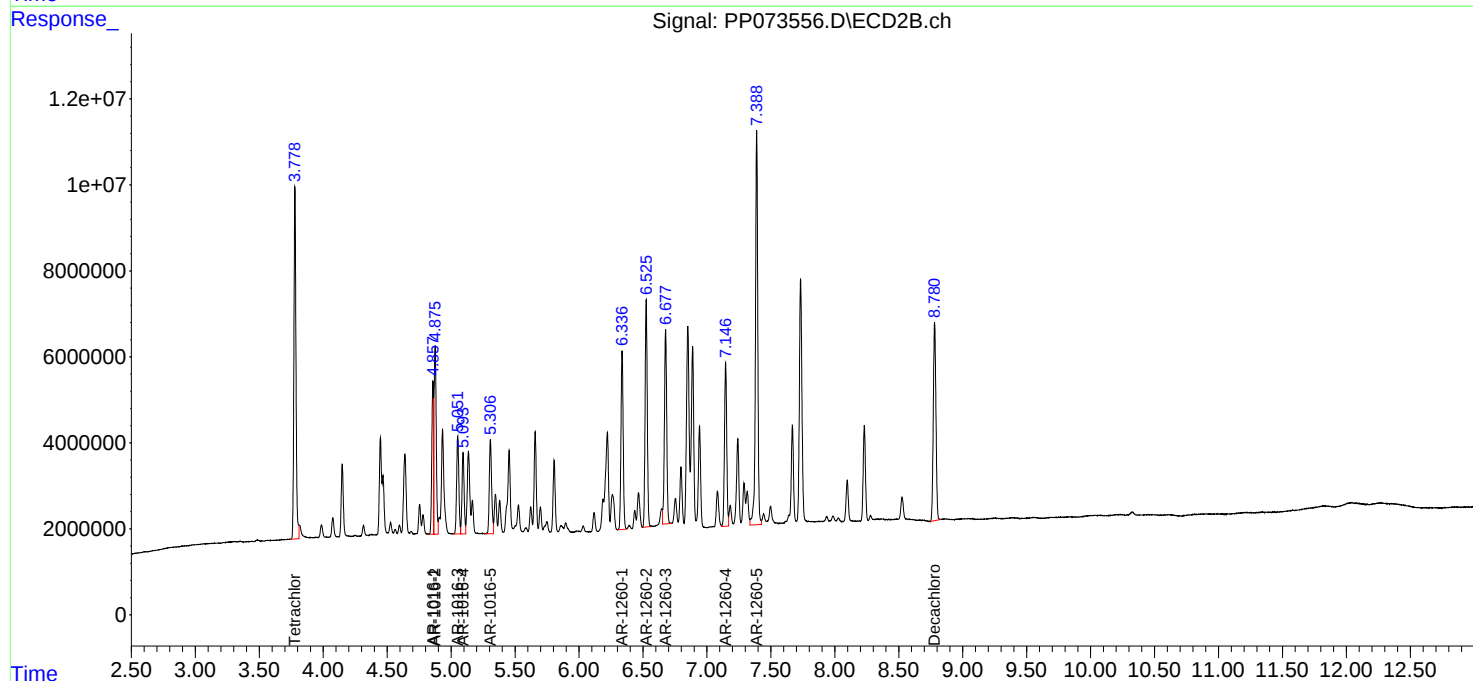
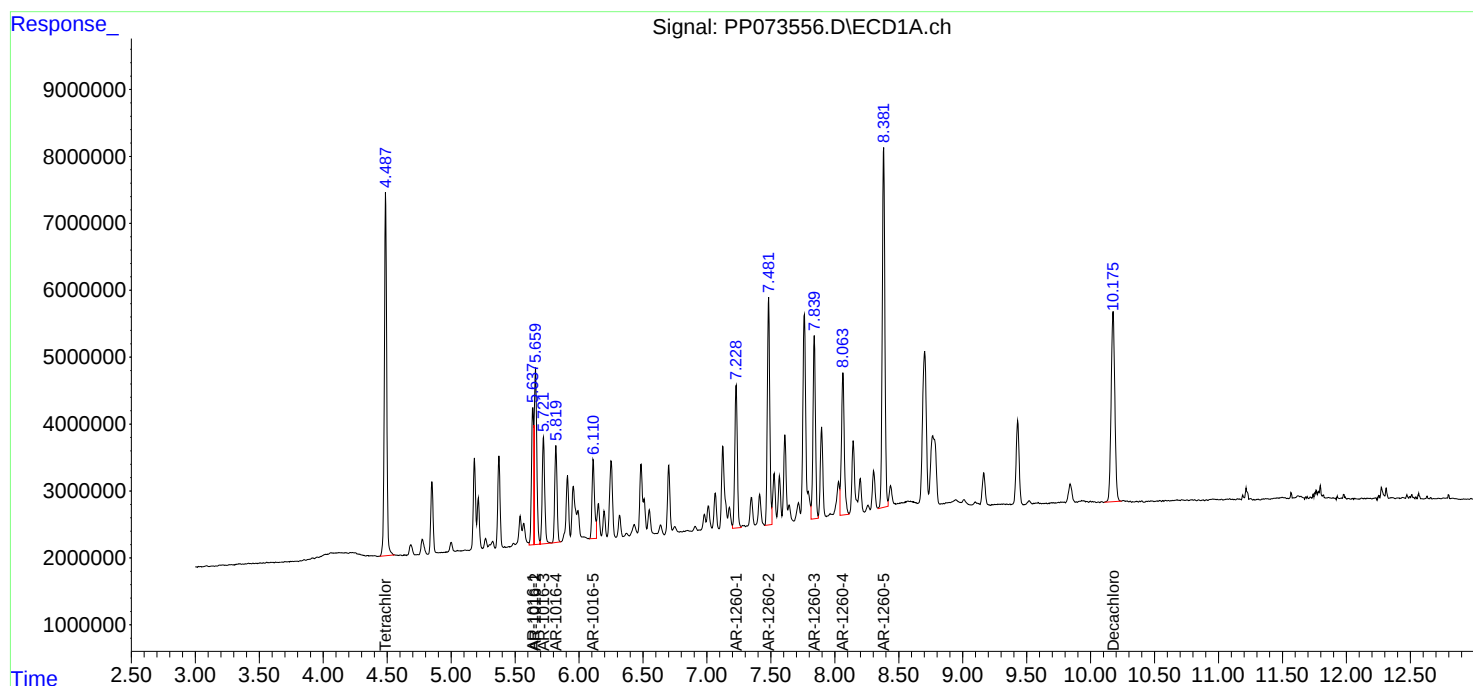
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

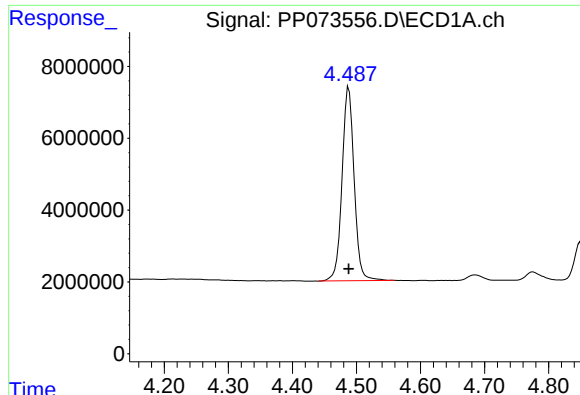
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:35
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

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

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

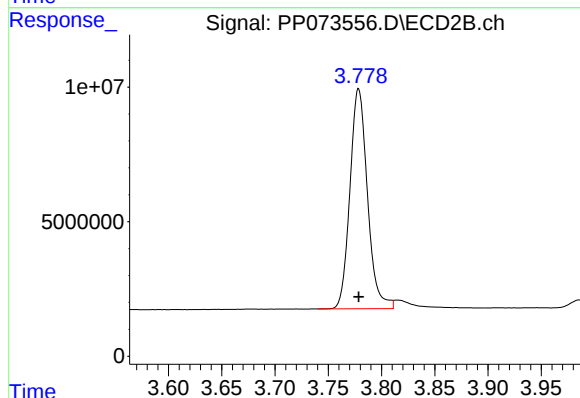




#1 Tetrachloro-m-xylene

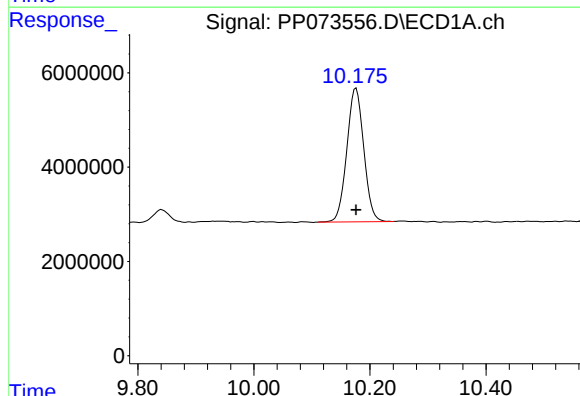
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 70659473
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



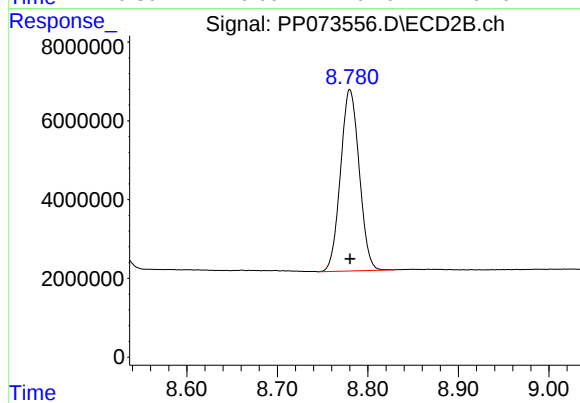
#1 Tetrachloro-m-xylene

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



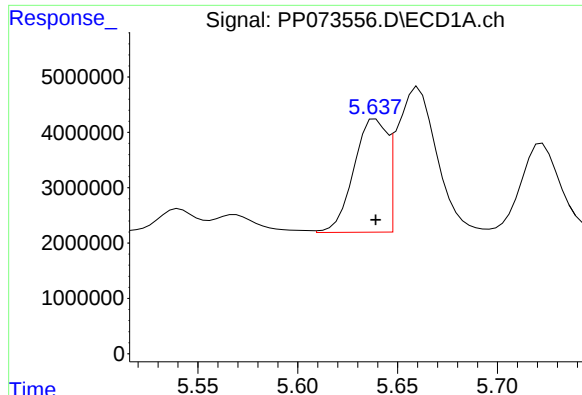
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

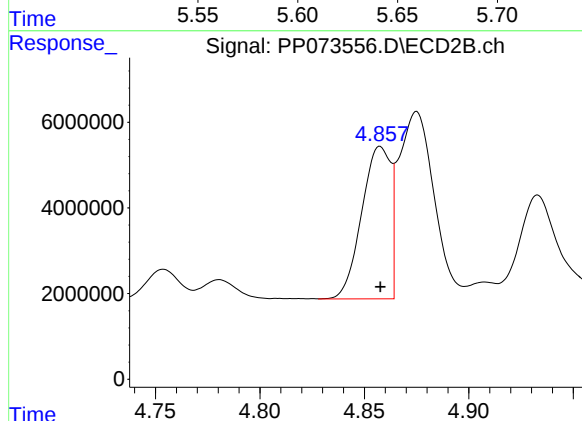
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 66225271
Conc: 50.00 ng/ml



#3 AR-1016-1

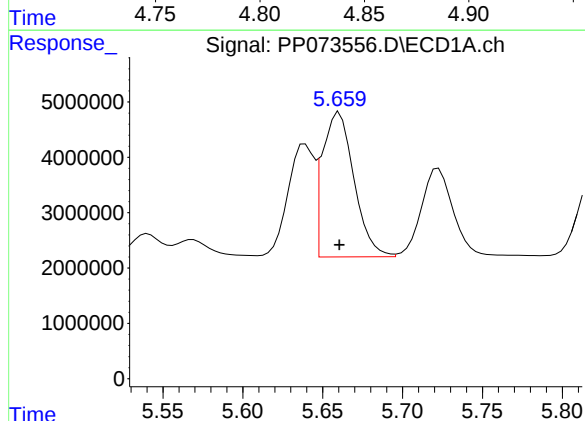
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 23569436
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



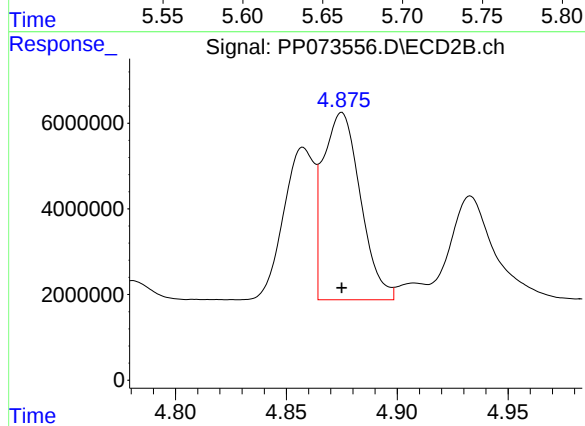
#3 AR-1016-1

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



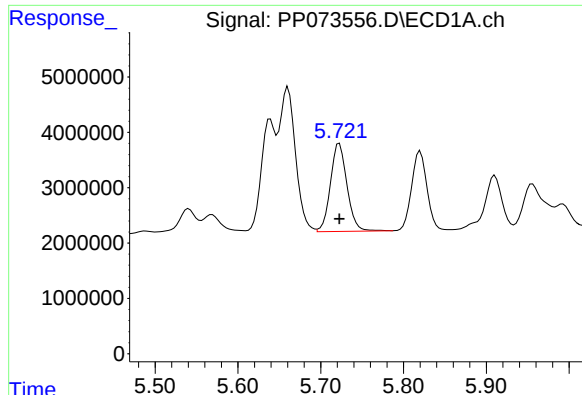
#4 AR-1016-2

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



#4 AR-1016-2

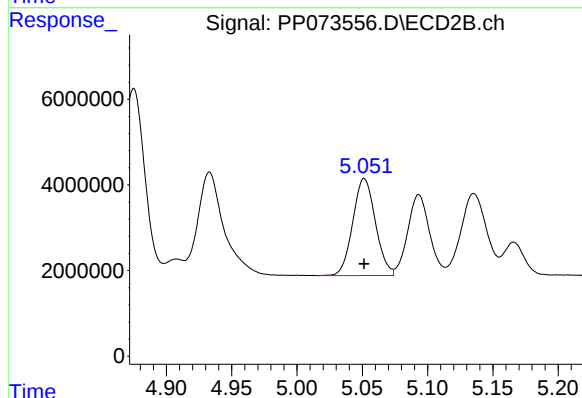
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 51294648
Conc: 500.00 ng/ml



#5 AR-1016-3

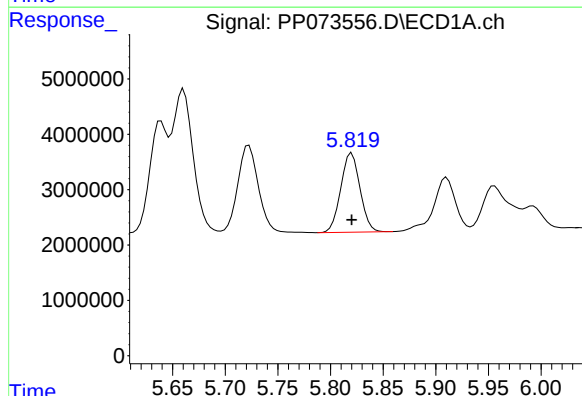
R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 22081319
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



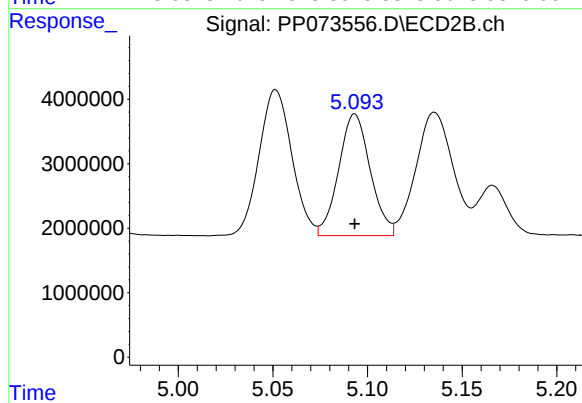
#5 AR-1016-3

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



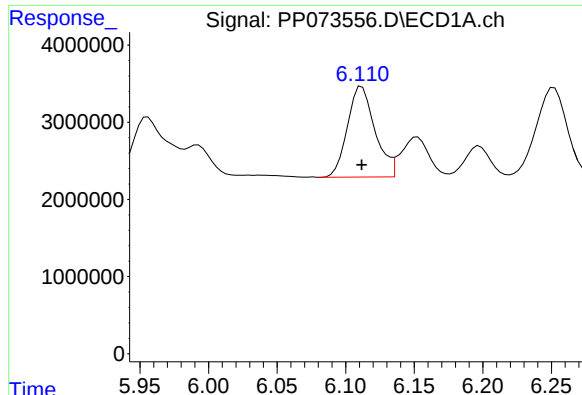
#6 AR-1016-4

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



#6 AR-1016-4

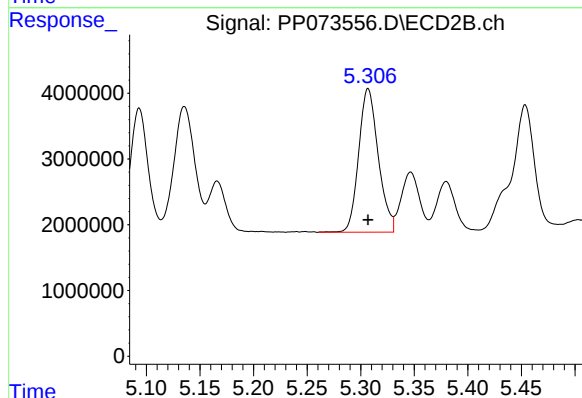
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 21948478
Conc: 500.00 ng/ml



#7 AR-1016-5

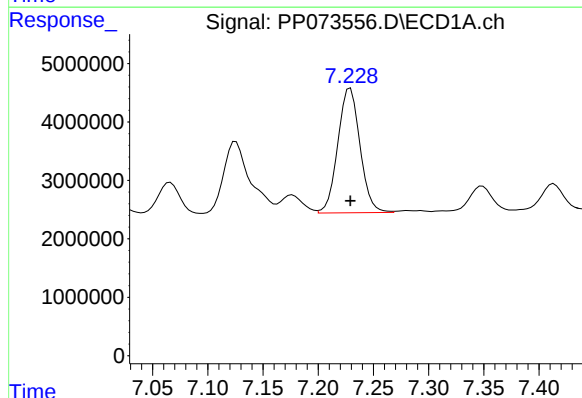
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 16393178
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



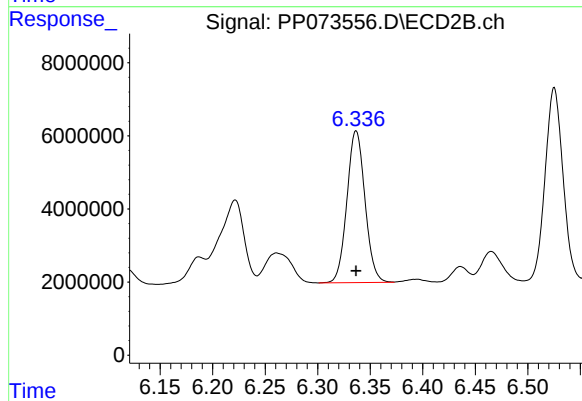
#7 AR-1016-5

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



#31 AR-1260-1

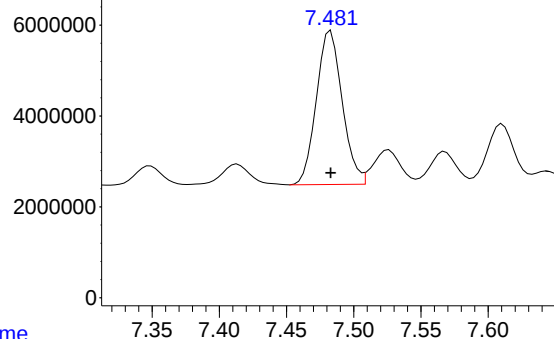
R.T.: 7.229 min
Delta R.T.: 0.000 min
Response: 29831866
Conc: 500.00 ng/ml



#31 AR-1260-1

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

Response_ Signal: PP073556.D\ECD1A.ch

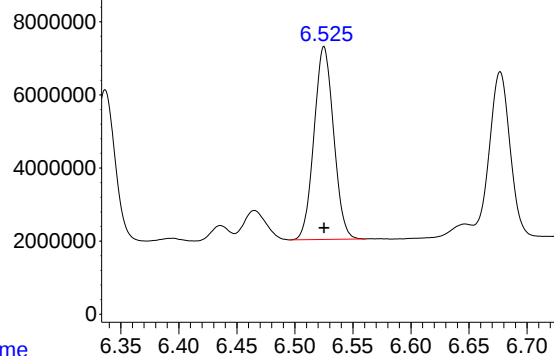


#32 AR-1260-2

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

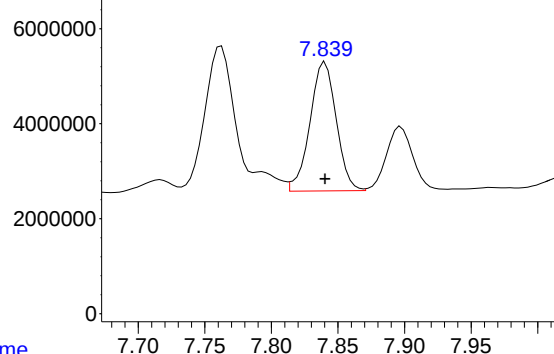
Time Response_ Signal: PP073556.D\ECD2B.ch



#32 AR-1260-2

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

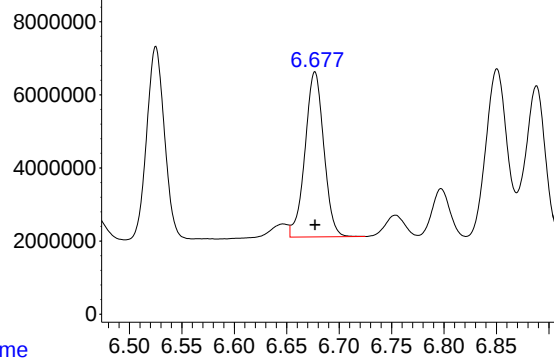
Time Response_ Signal: PP073556.D\ECD1A.ch



#33 AR-1260-3

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

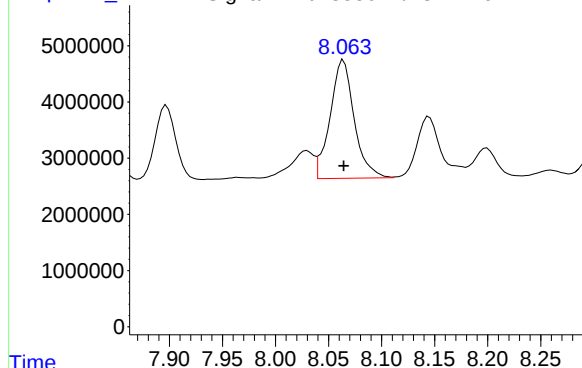
Time Response_ Signal: PP073556.D\ECD2B.ch



#33 AR-1260-3

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

Response_ Signal: PP073556.D\ECD1A.ch

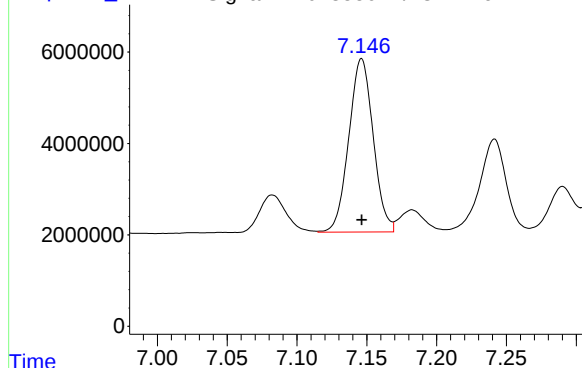


#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

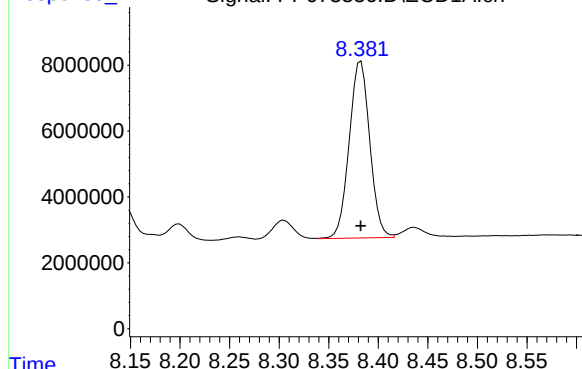
Time Response_ Signal: PP073556.D\ECD2B.ch



#34 AR-1260-4

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

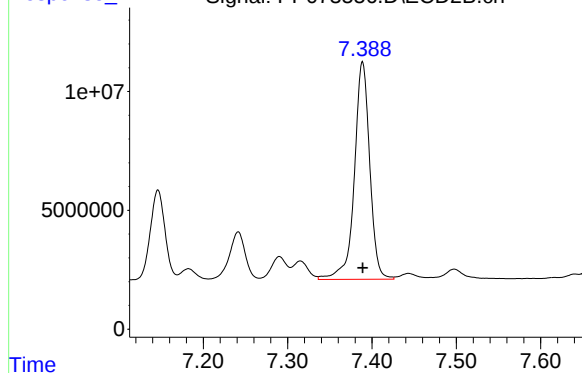
Time Response_ Signal: PP073556.D\ECD1A.ch



#35 AR-1260-5

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

Time Response_ Signal: PP073556.D\ECD2B.ch



#35 AR-1260-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC250

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

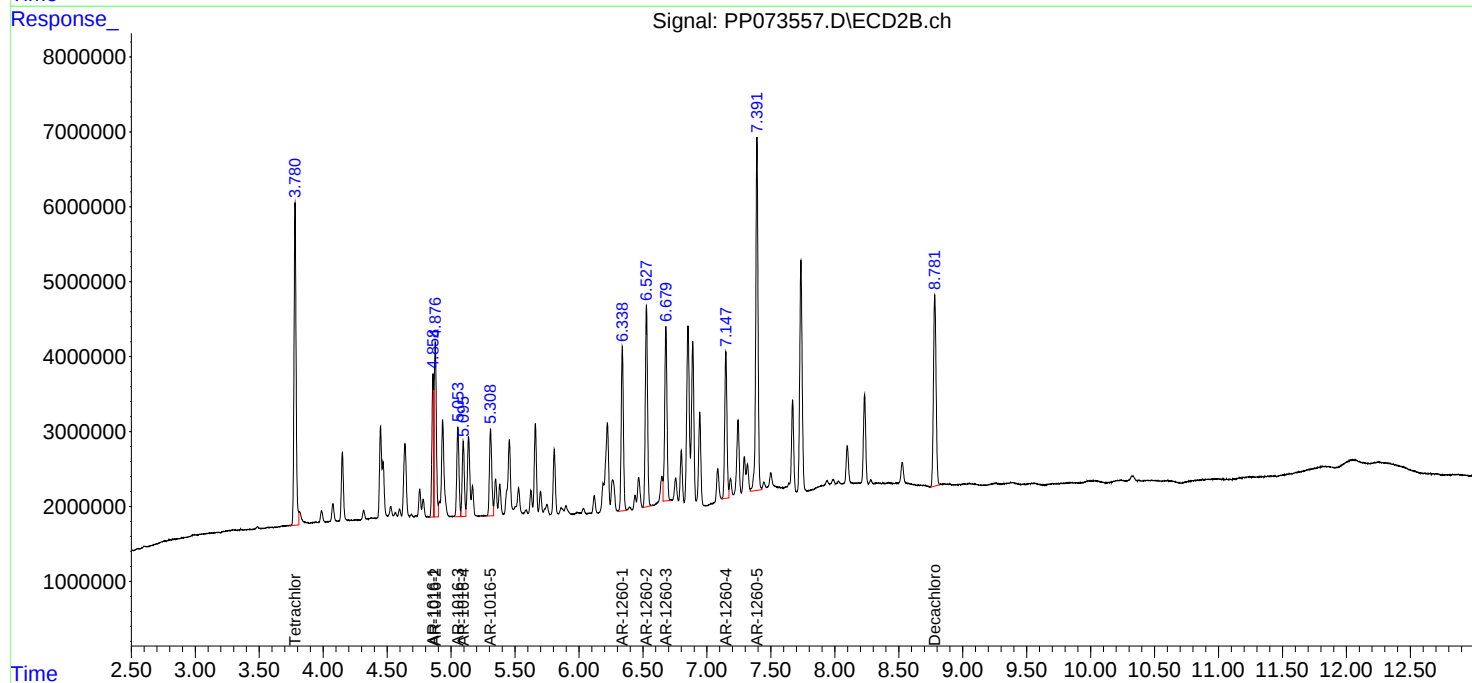
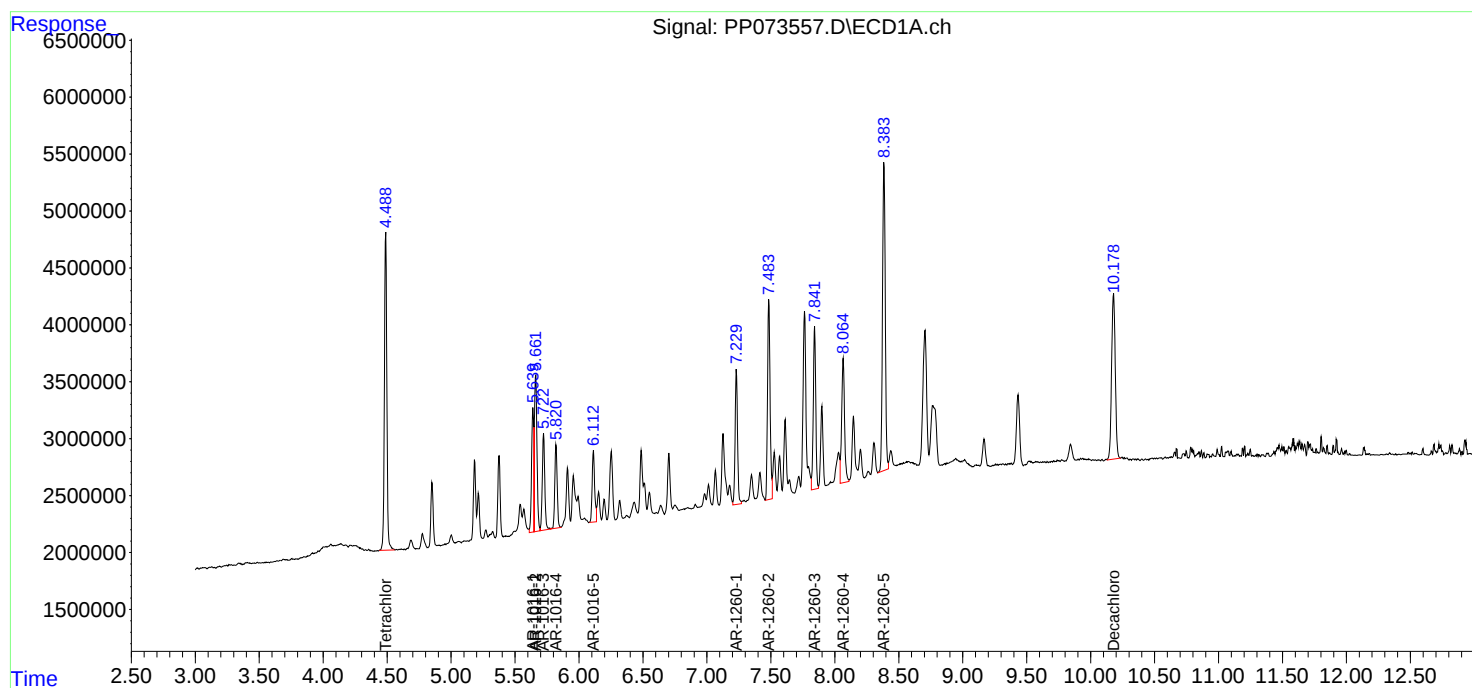
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

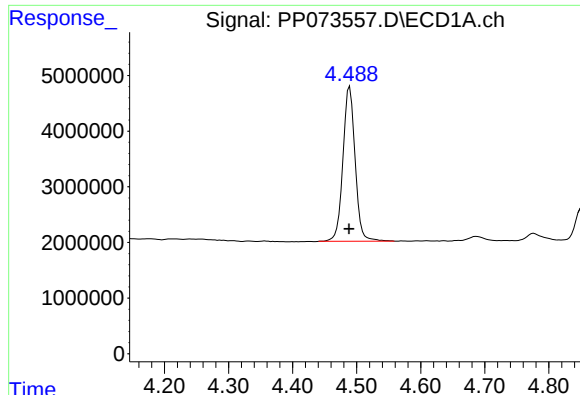
Manual Integrations
APPROVED

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

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

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





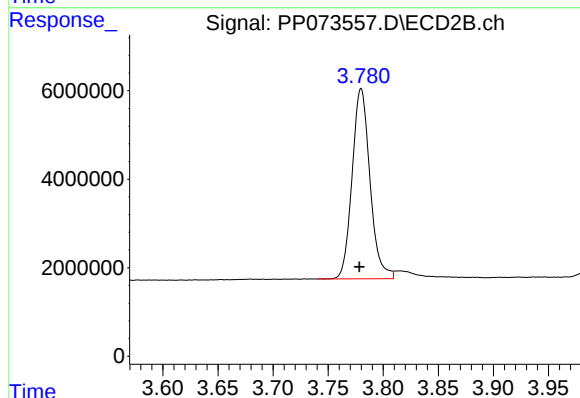
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

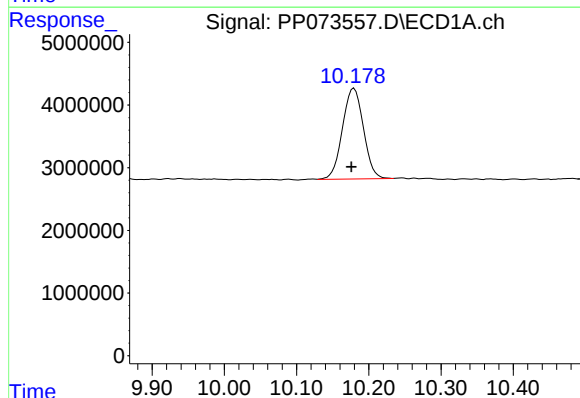
Manual Integrations
APPROVED

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



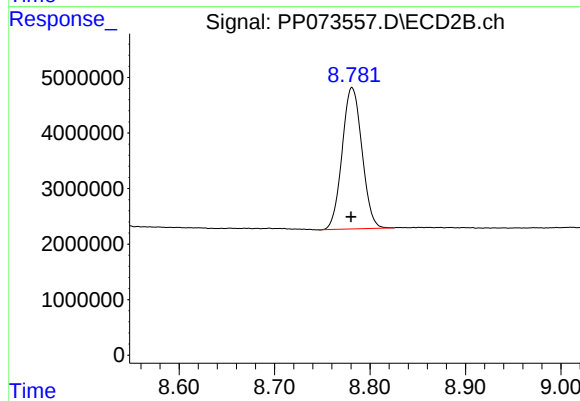
#1 Tetrachloro-m-xylene

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



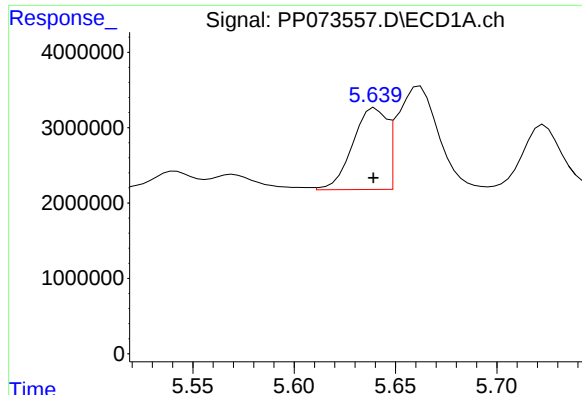
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



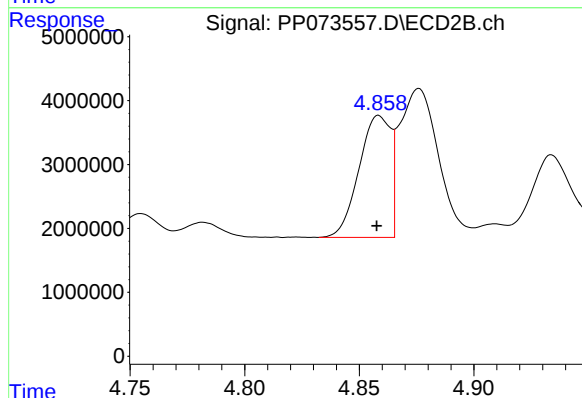
#3 AR-1016-1

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

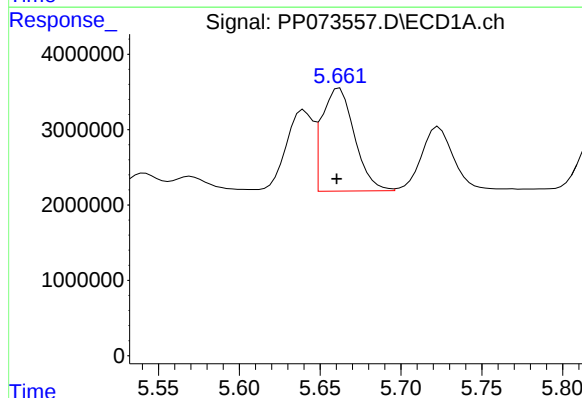
Manual Integrations
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Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



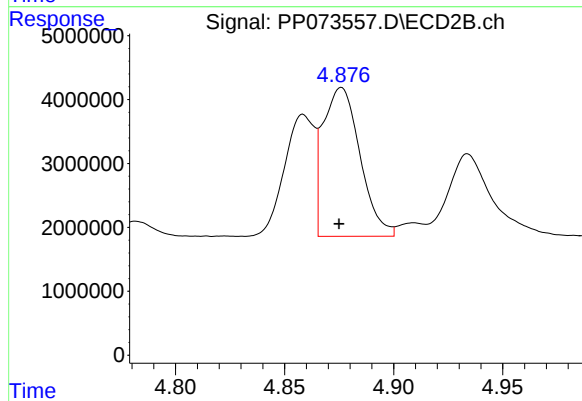
#3 AR-1016-1

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



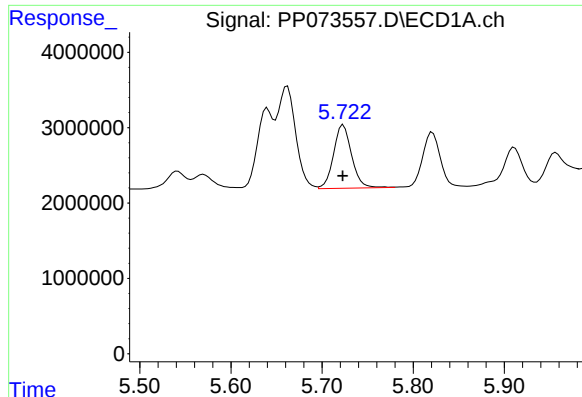
#4 AR-1016-2

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



#4 AR-1016-2

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



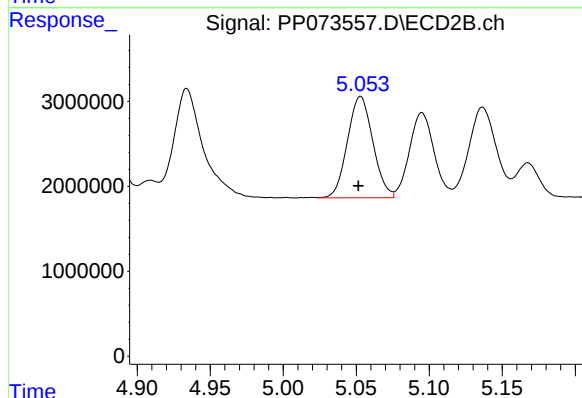
#5 AR-1016-3

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

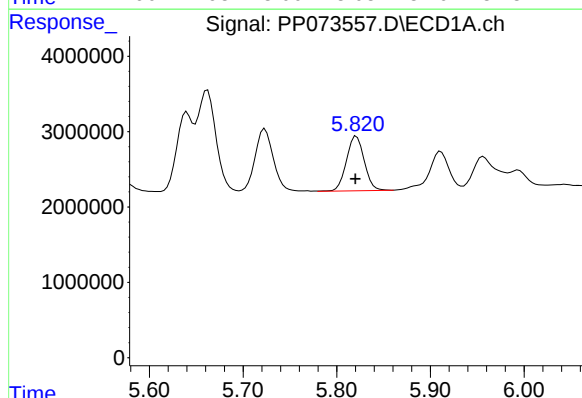
Manual Integrations
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Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



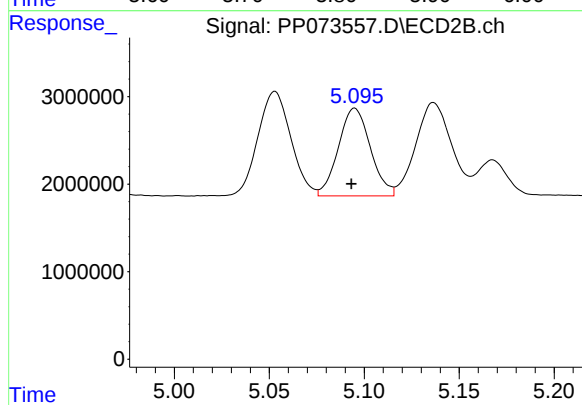
#5 AR-1016-3

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



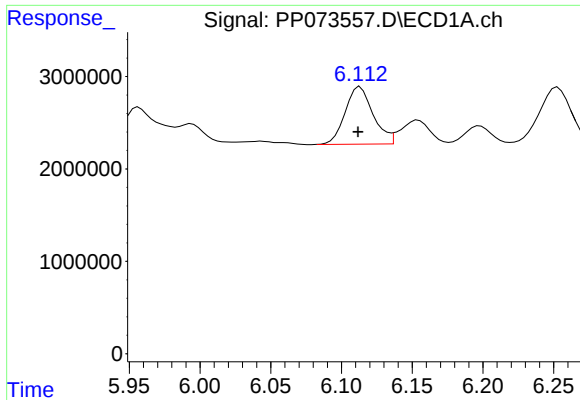
#6 AR-1016-4

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



#6 AR-1016-4

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



#7 AR-1016-5

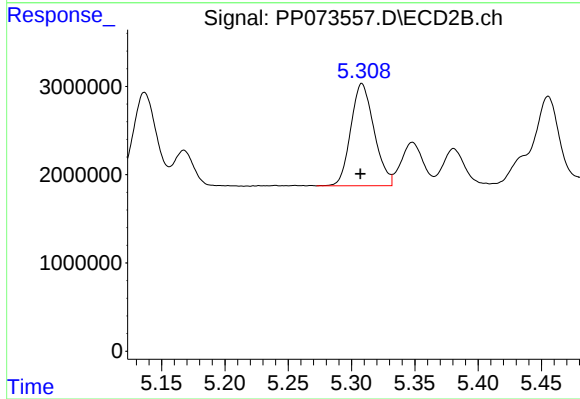
R.T.: 6.113 min
Delta R.T.: 0.001 min
Response: 8568508
Conc: 261.34 ng/ml

ICAL Form

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

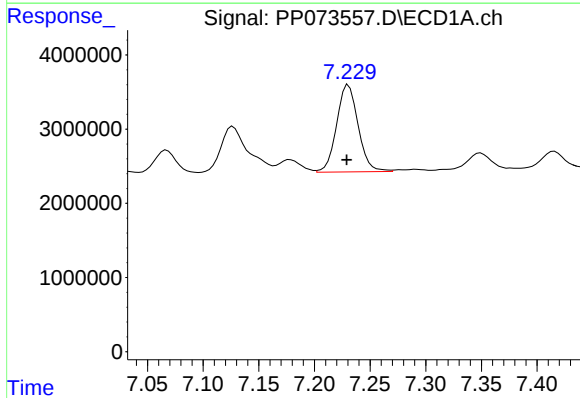
Manual Integrations
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Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



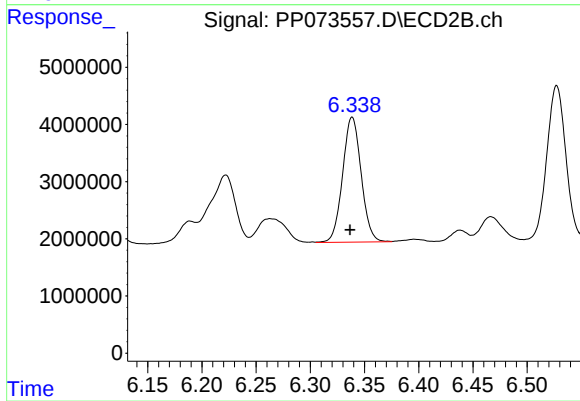
#7 AR-1016-5

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



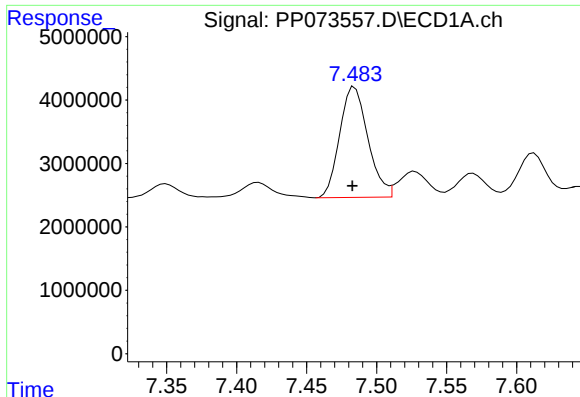
#31 AR-1260-1

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



#31 AR-1260-1

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



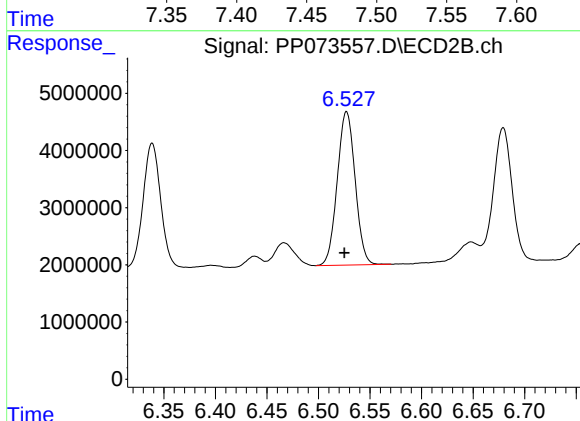
#32 AR-1260-2

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

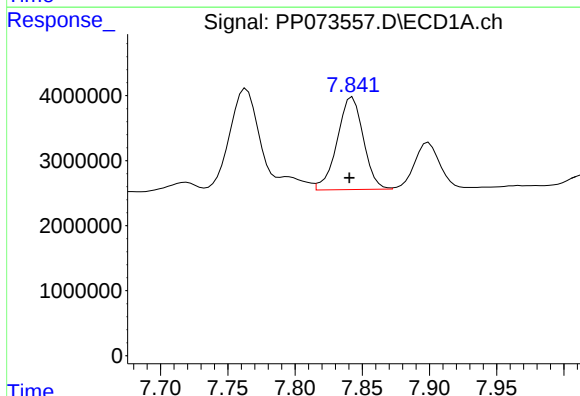
Manual Integrations
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Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



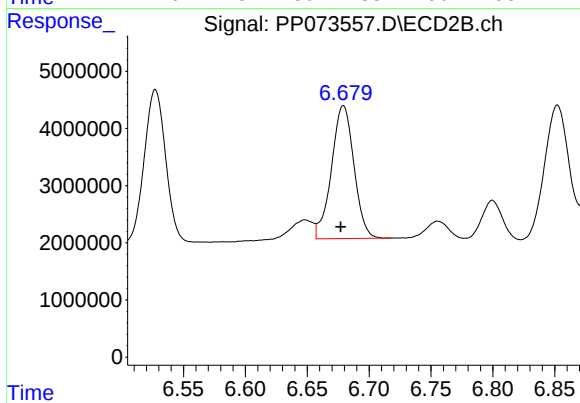
#32 AR-1260-2

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



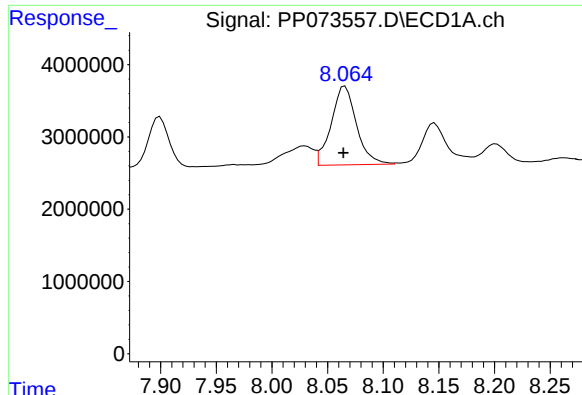
#33 AR-1260-3

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



#33 AR-1260-3

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



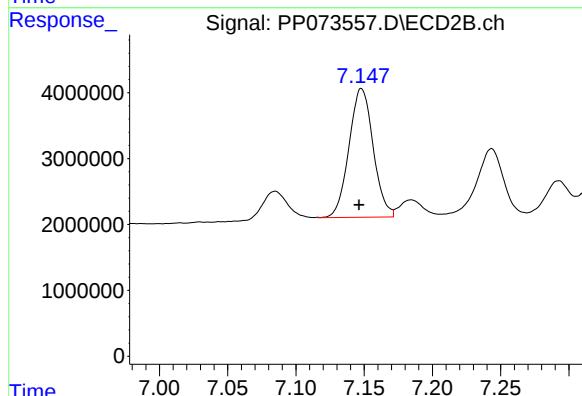
#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

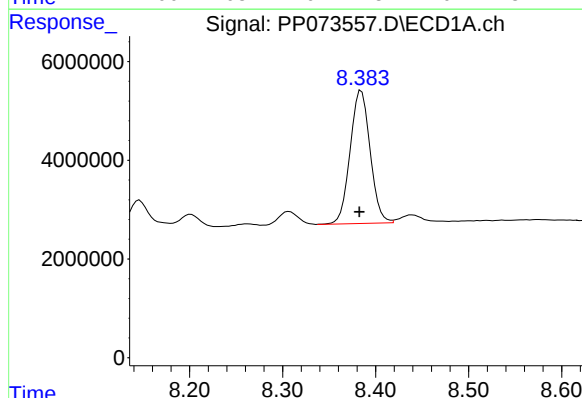
Manual Integrations
APPROVED

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



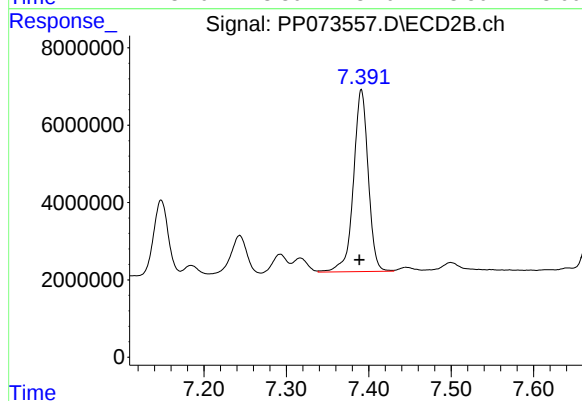
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

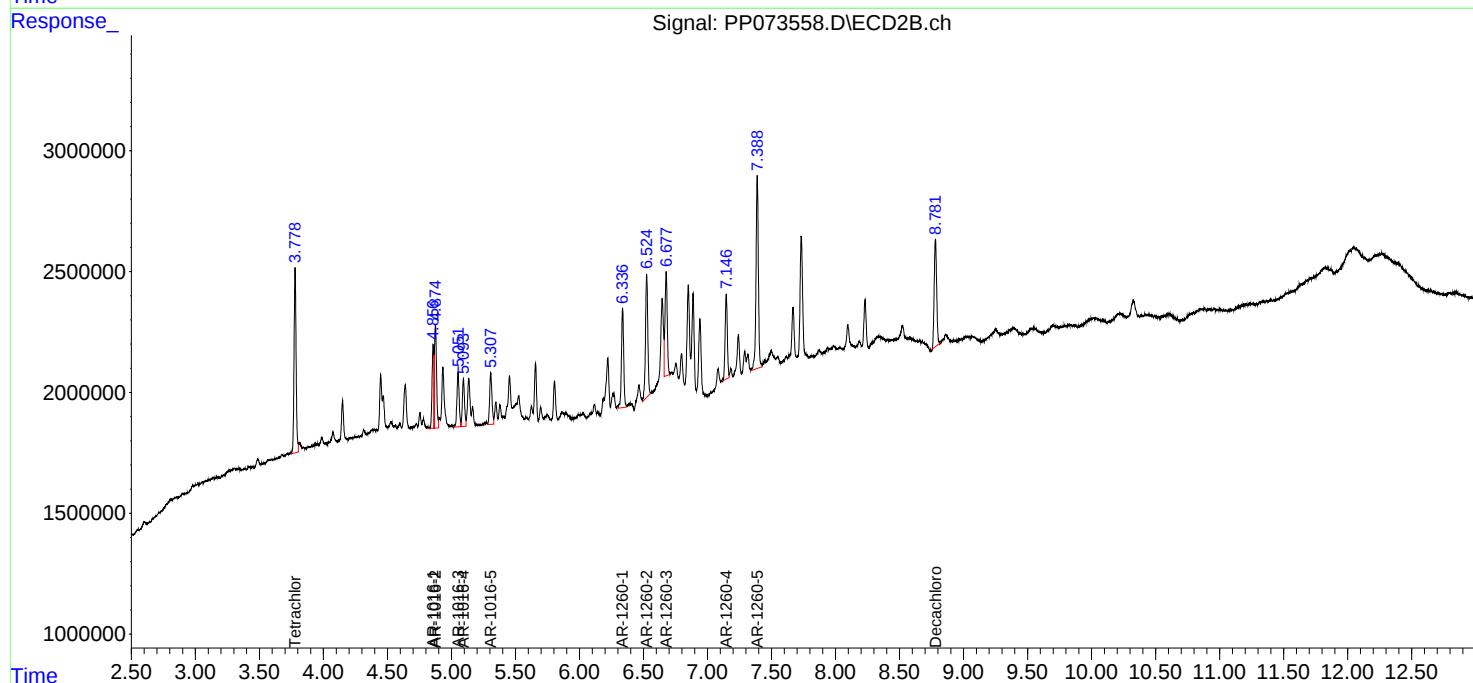
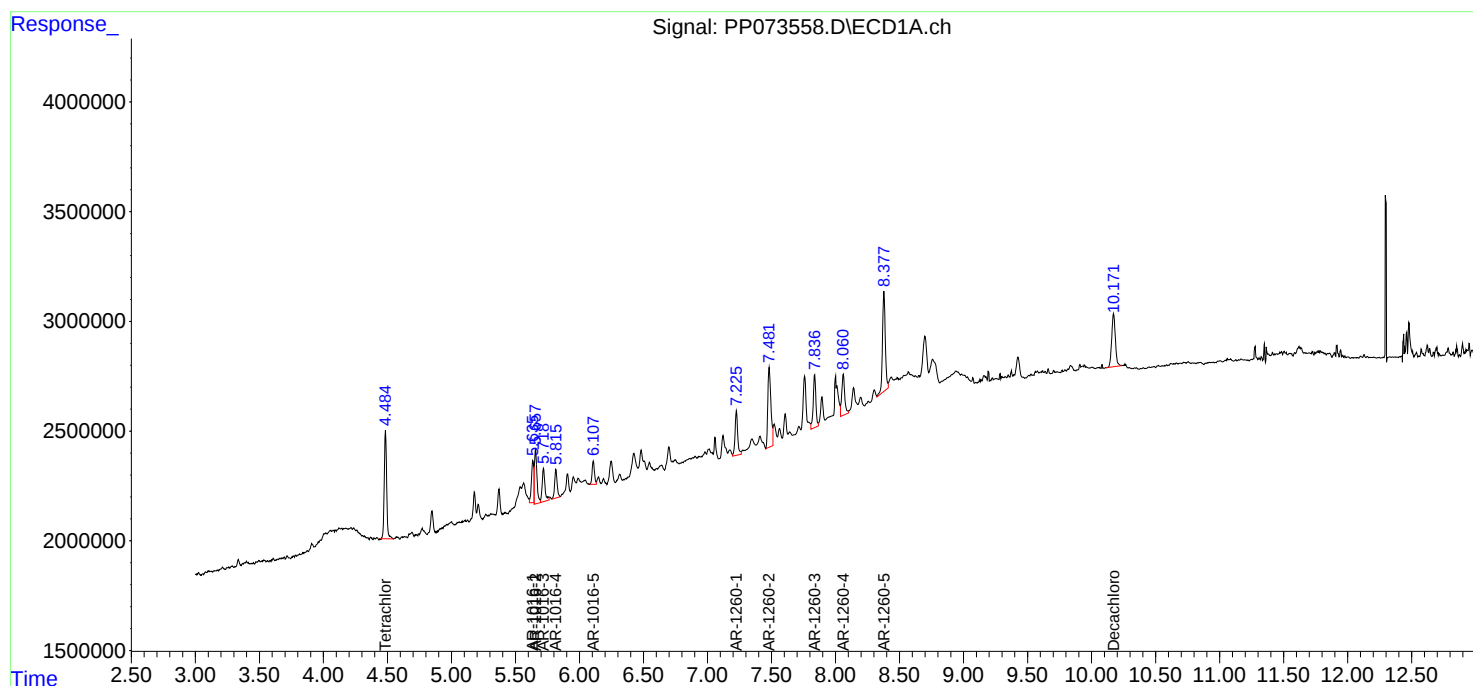
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

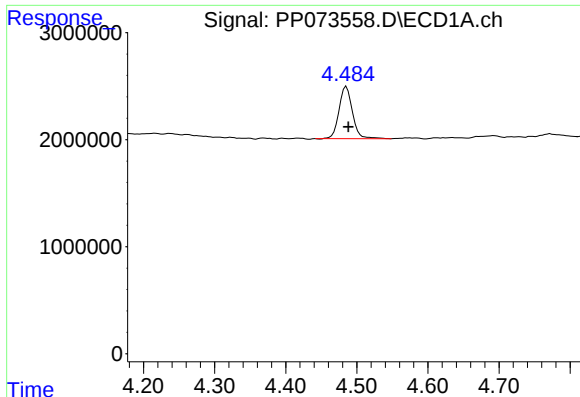
Manual Integrations
APPROVED

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

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

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





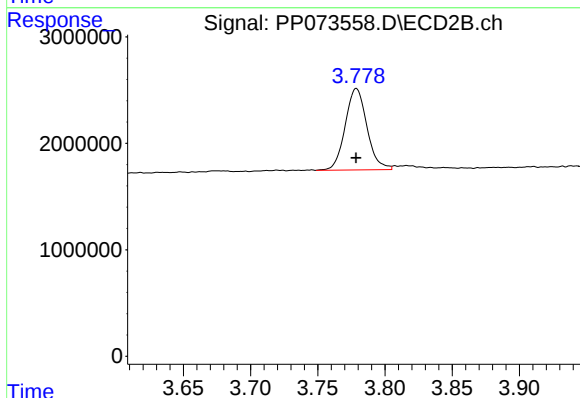
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

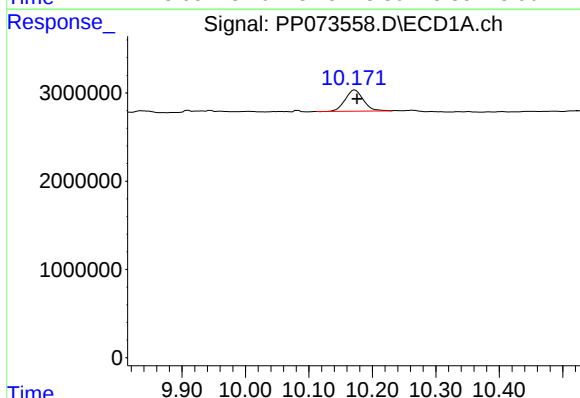
Manual Integrations
APPROVED

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



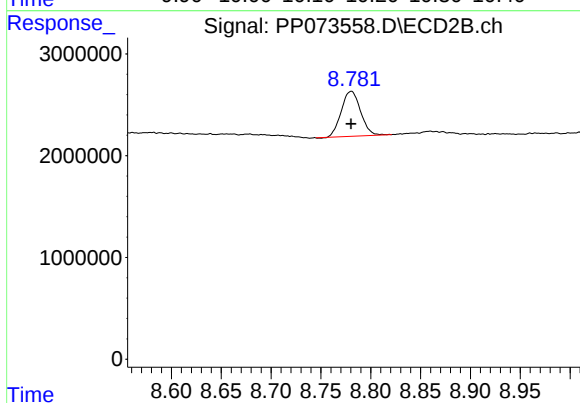
#1 Tetrachloro-m-xylene

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



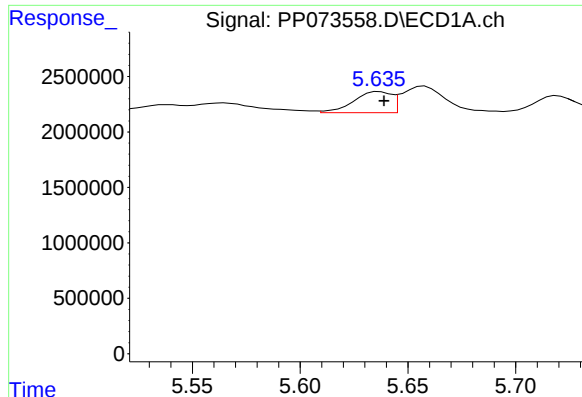
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



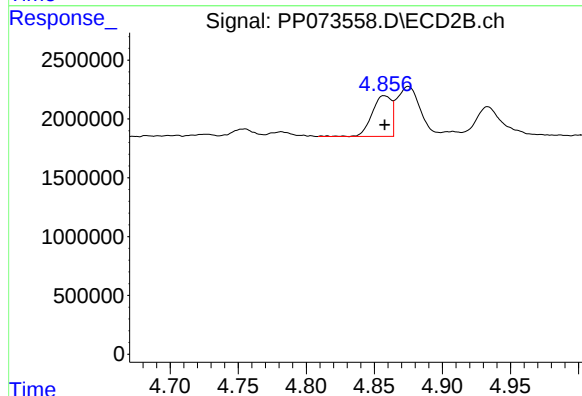
#3 AR-1016-1

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

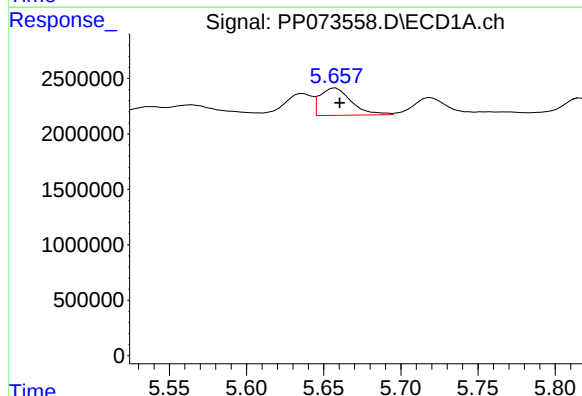
Manual Integrations
APPROVED

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



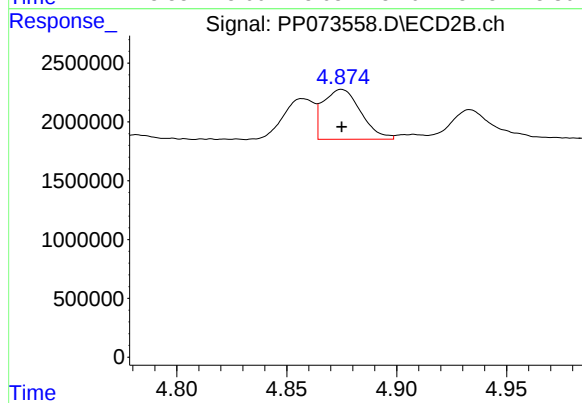
#3 AR-1016-1

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



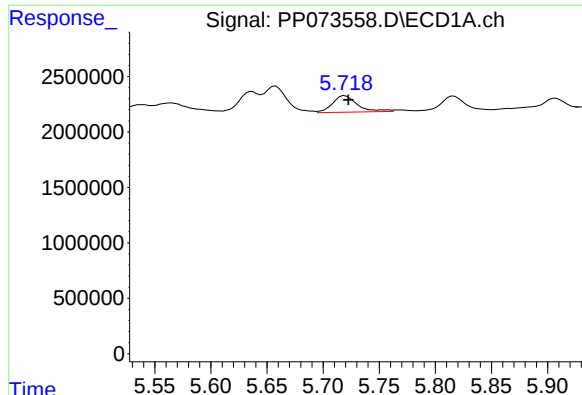
#4 AR-1016-2

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



#4 AR-1016-2

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



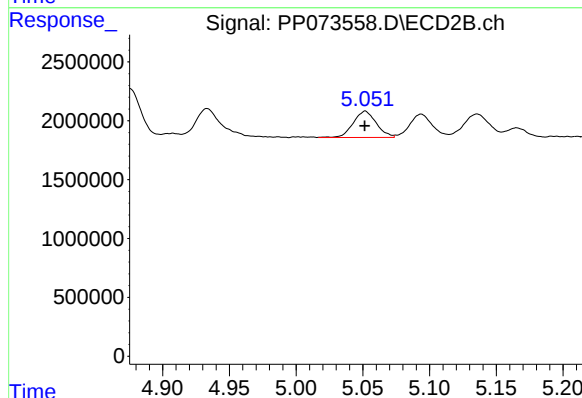
#5 AR-1016-3

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

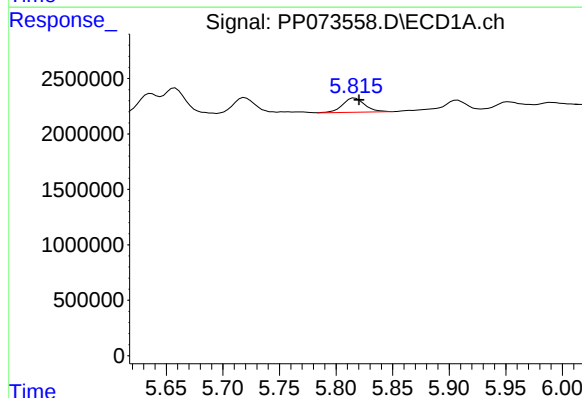
Manual Integrations
APPROVED

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



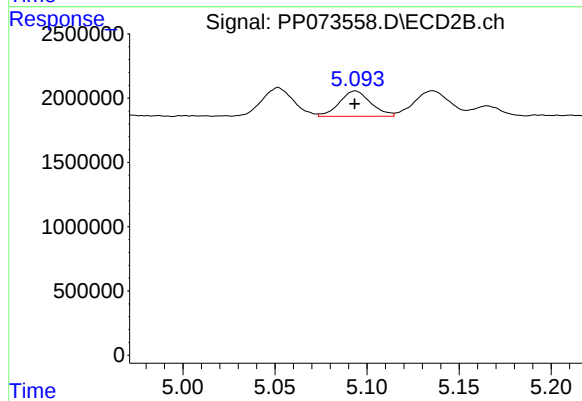
#5 AR-1016-3

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



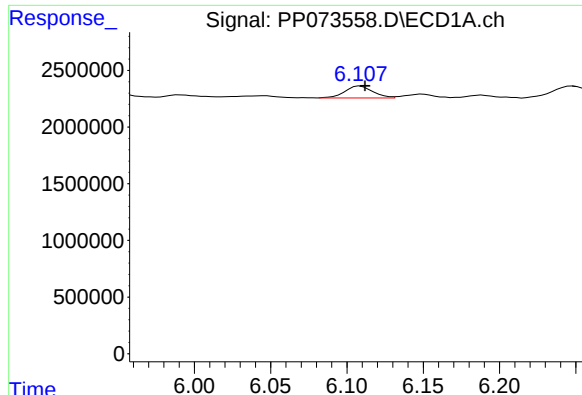
#6 AR-1016-4

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



#6 AR-1016-4

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



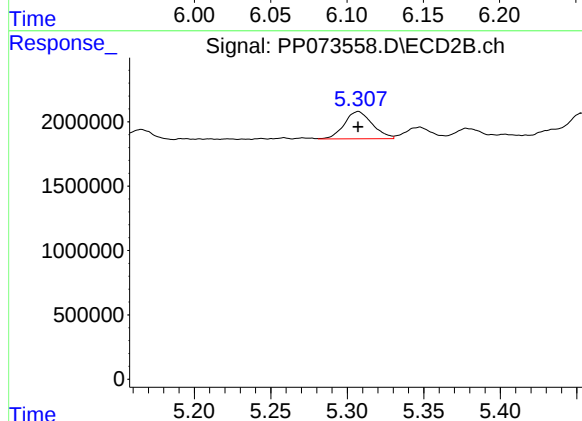
#7 AR-1016-5

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

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

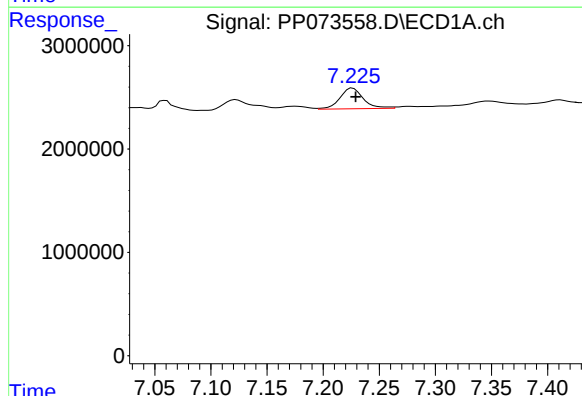
Manual Integrations
APPROVED

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



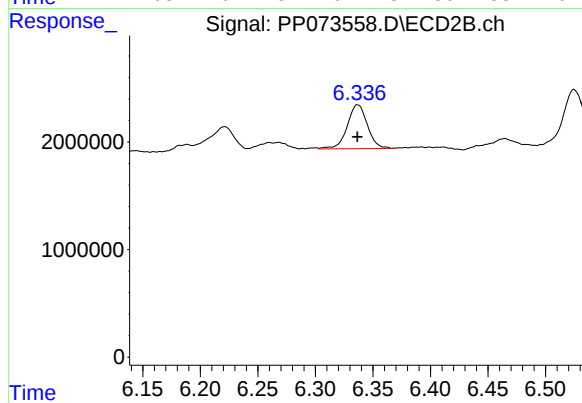
#7 AR-1016-5

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



#31 AR-1260-1

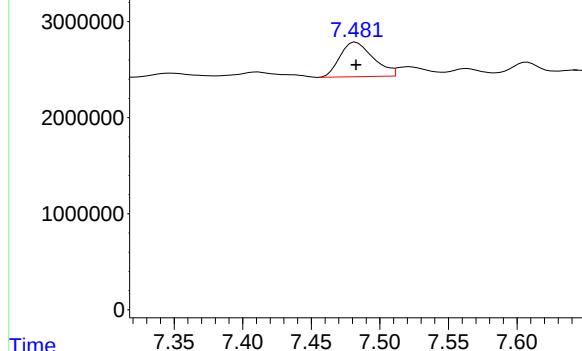
R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 2914675
Conc: 48.85 ng/ml



#31 AR-1260-1

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

Response_ Signal: PP073558.D\ECD1A.ch



#32 AR-1260-2

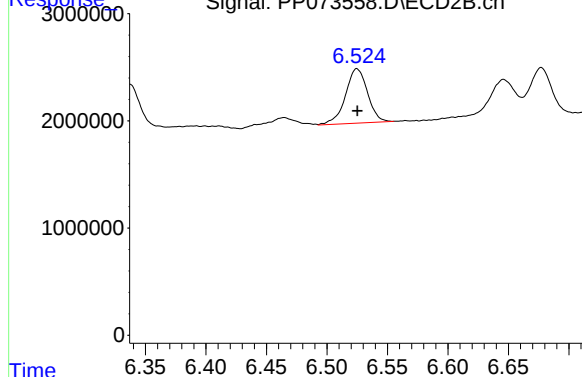
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 6085083
Conc: 67.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

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

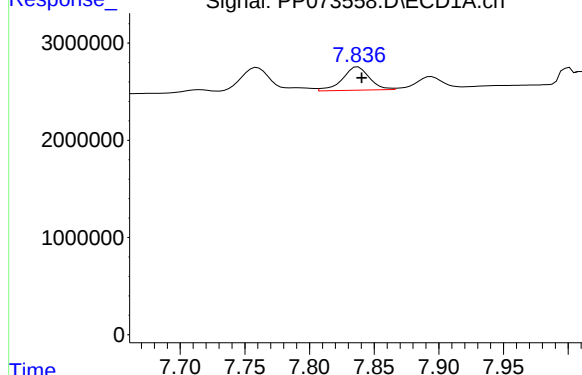
Response_ Signal: PP073558.D\ECD2B.ch



#32 AR-1260-2

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

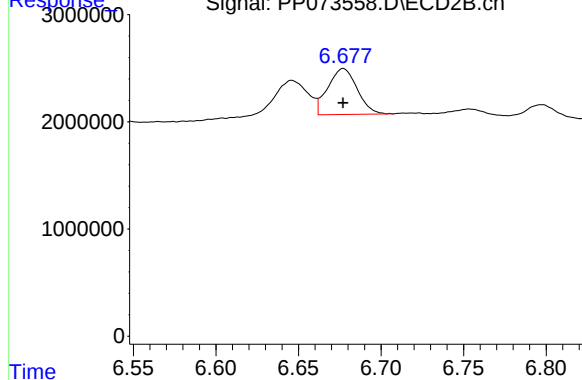
Response_ Signal: PP073558.D\ECD1A.ch



#33 AR-1260-3

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

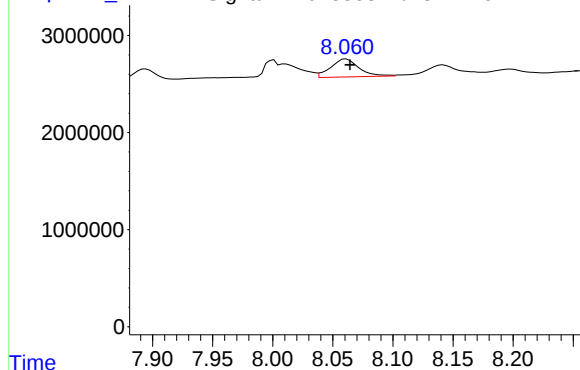
Response_ Signal: PP073558.D\ECD2B.ch



#33 AR-1260-3

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

Response_ Signal: PP073558.D\ECD1A.ch



#34 AR-1260-4

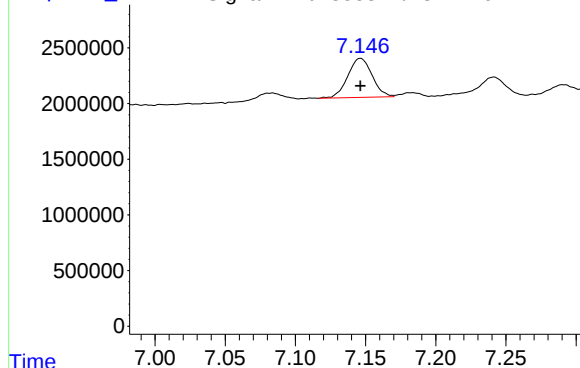
R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 3038521
Conc: 45.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

**Manual Integrations
APPROVED**

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

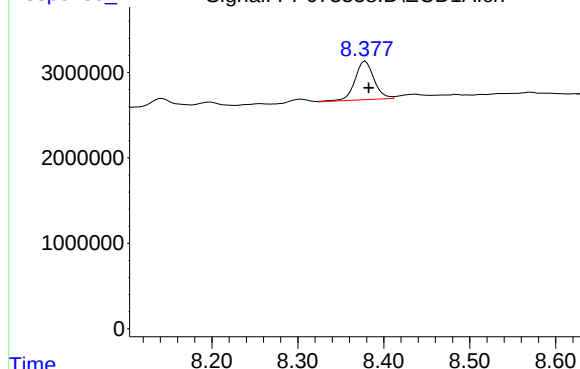
Time Response_ Signal: PP073558.D\ECD2B.ch



#34 AR-1260-4

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

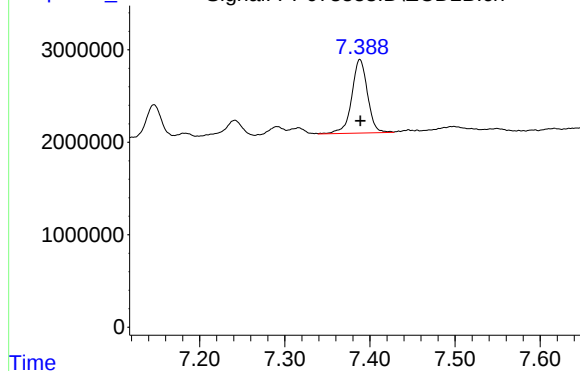
Response_ Signal: PP073558.D\ECD1A.ch



#35 AR-1260-5

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

Time Response_ Signal: PP073558.D\ECD2B.ch



#35 AR-1260-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1221ICC500

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.489	3.779	71300233	92532894	50.000	50.000
2) SA Decachlor...	10.176	8.782	56752030	68180160	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.690	3.988	8933218	13522466	500.000	500.000
9) L2 AR-1221-2	4.776	4.075	6752235	10180159	500.000	500.000
10) L2 AR-1221-3	4.851	4.150	20802411	30724321	500.000	500.000

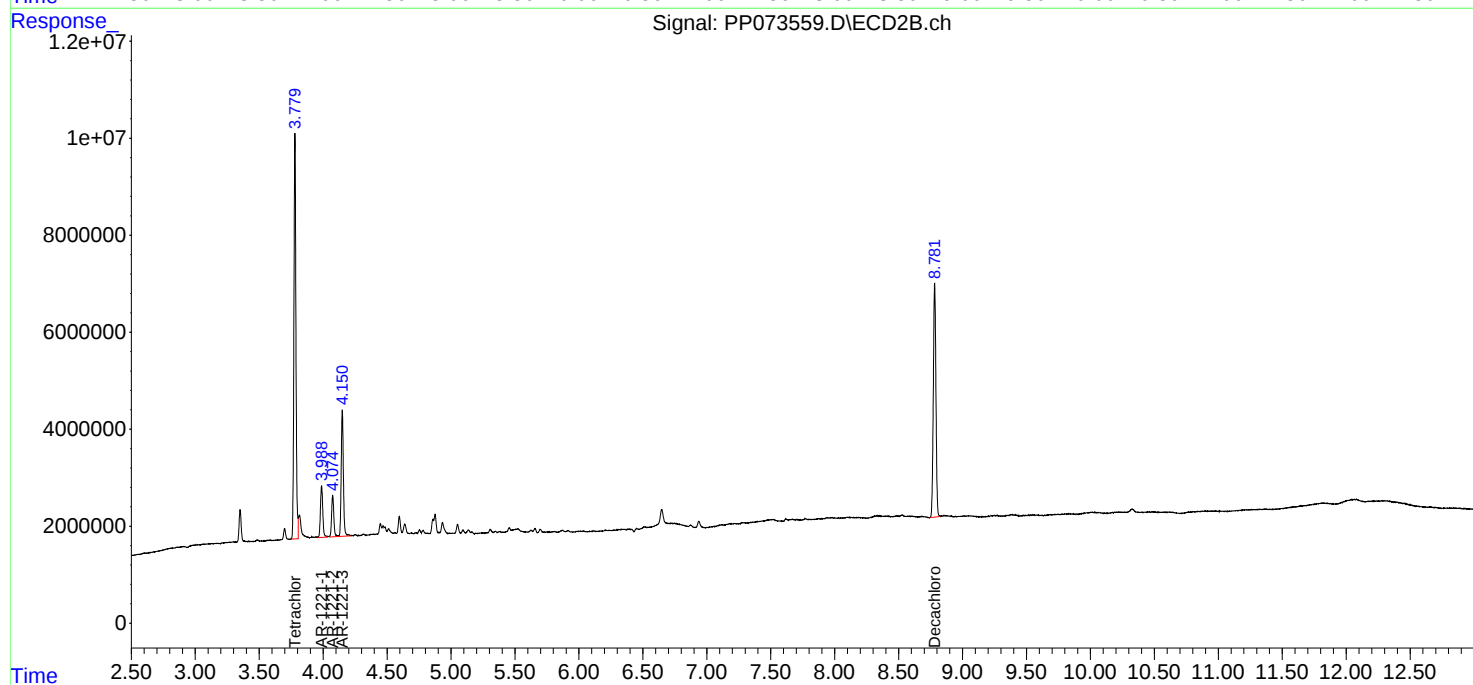
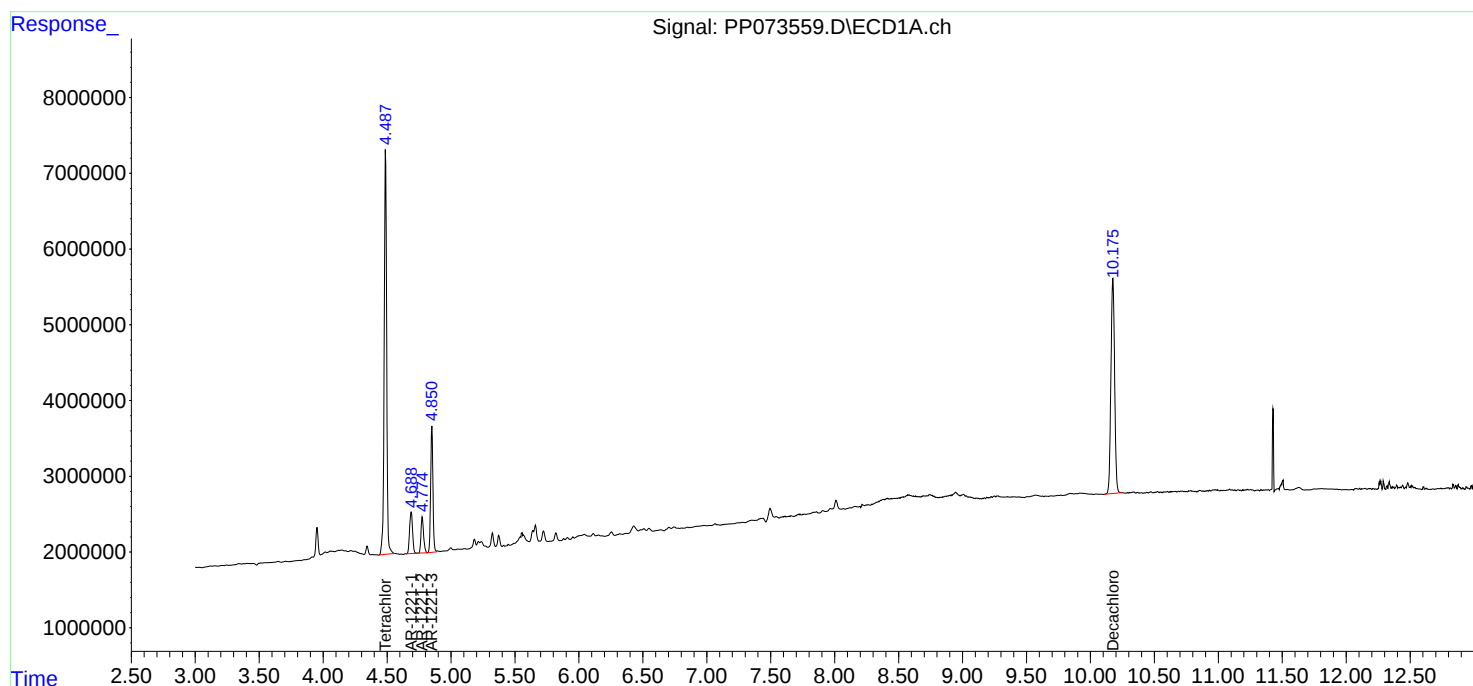
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

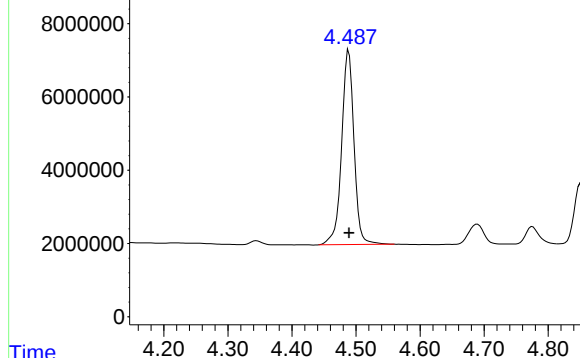
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

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

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



Response_ Signal: PP073559.D\ECD1A.ch

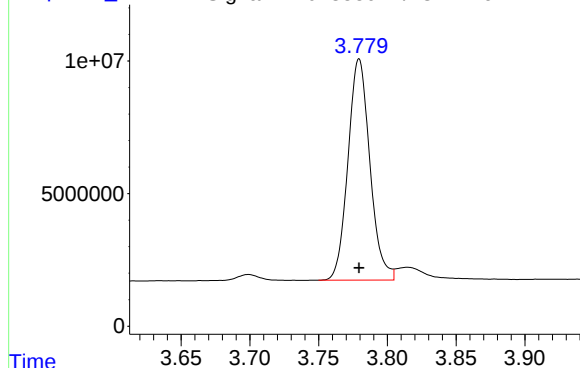


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

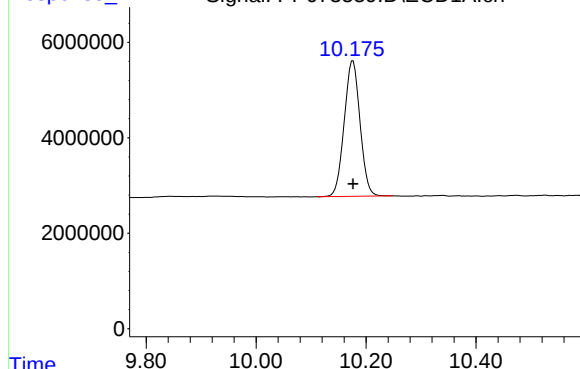
Time Response_ Signal: PP073559.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

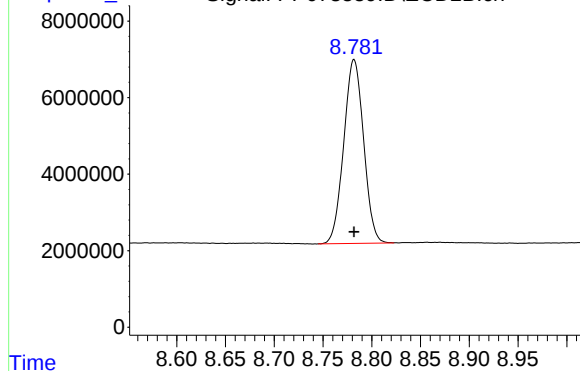
Time Response_ Signal: PP073559.D\ECD1A.ch



#2 Decachlorobiphenyl

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

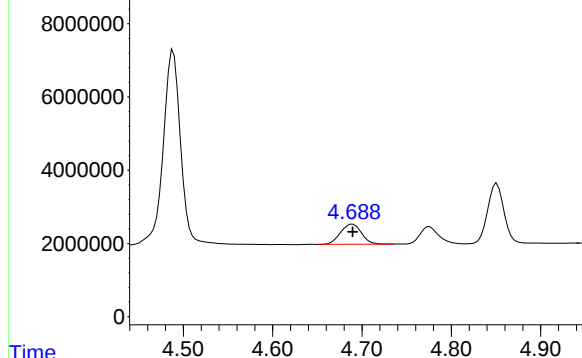
Time Response_ Signal: PP073559.D\ECD2B.ch



#2 Decachlorobiphenyl

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

Response_ Signal: PP073559.D\ECD1A.ch

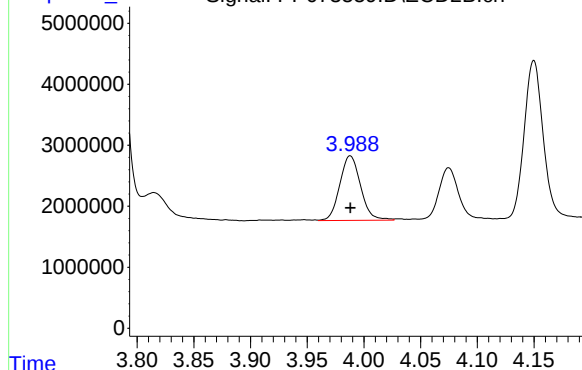


#8 AR-1221-1

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

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

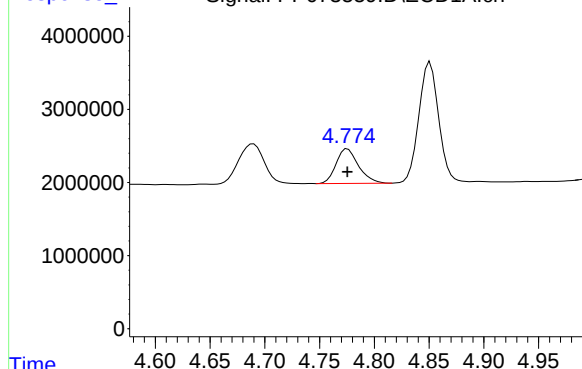
Time Response_ Signal: PP073559.D\ECD2B.ch



#8 AR-1221-1

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

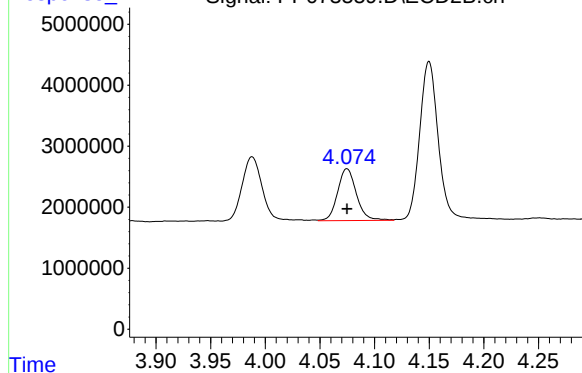
Time Response_ Signal: PP073559.D\ECD1A.ch



#9 AR-1221-2

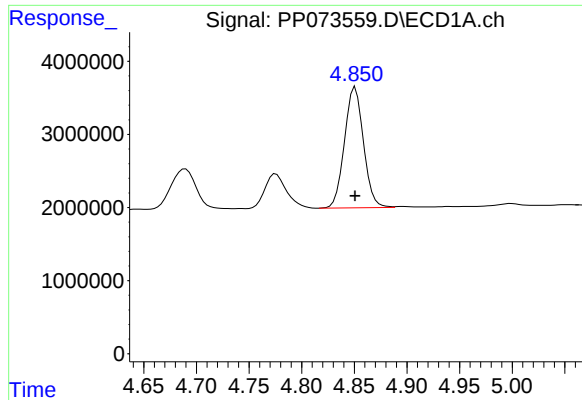
R.T.: 4.776 min
Delta R.T.: 0.000 min
Response: 6752235
Conc: 500.00 ng/ml

Time Response_ Signal: PP073559.D\ECD2B.ch



#9 AR-1221-2

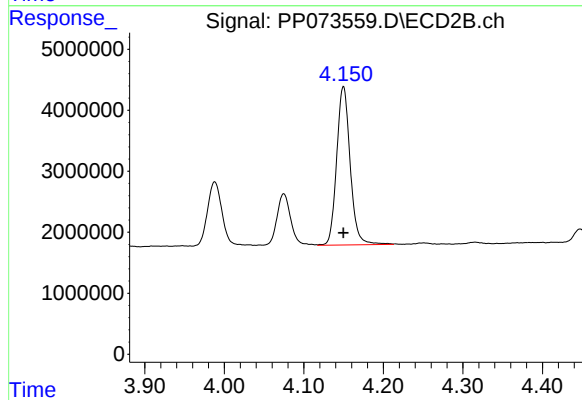
R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 10180159
Conc: 500.00 ng/ml



#10 AR-1221-3

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

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC500

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

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

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

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

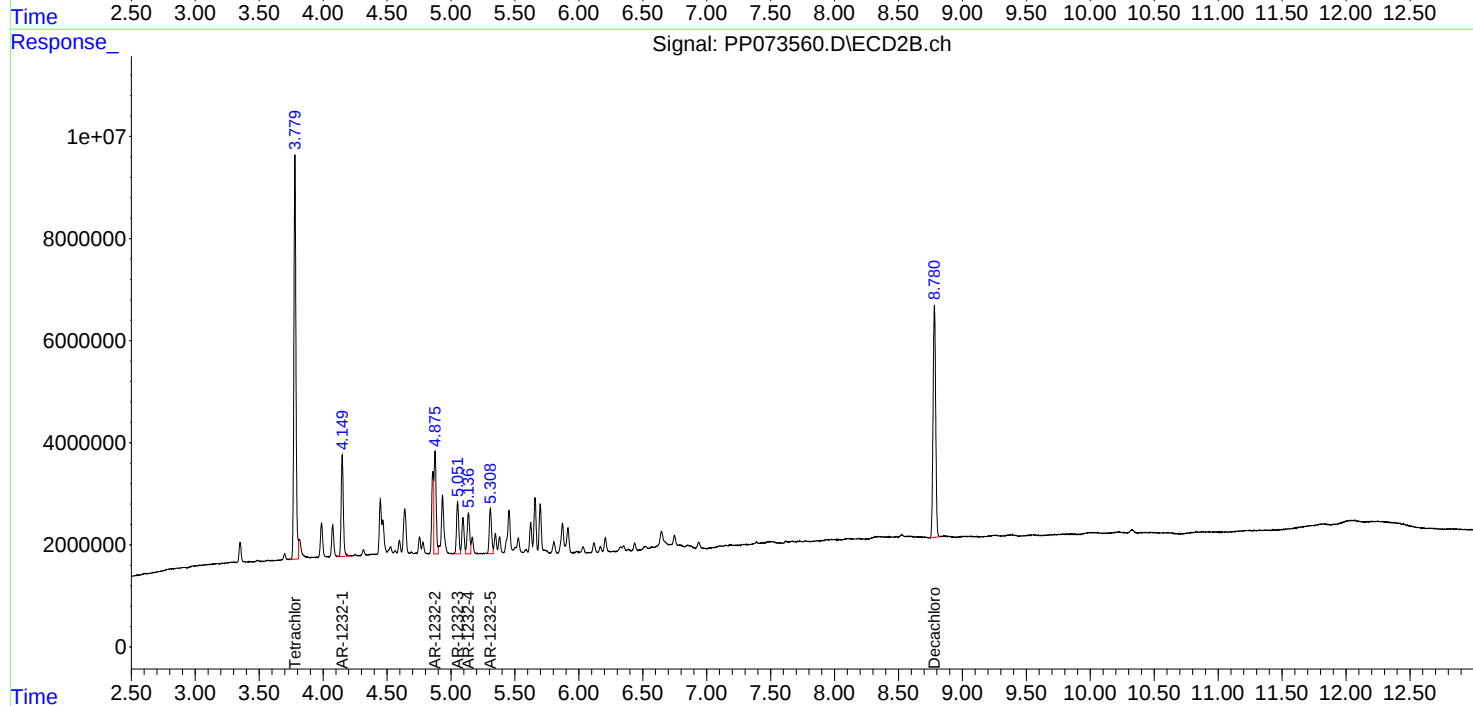
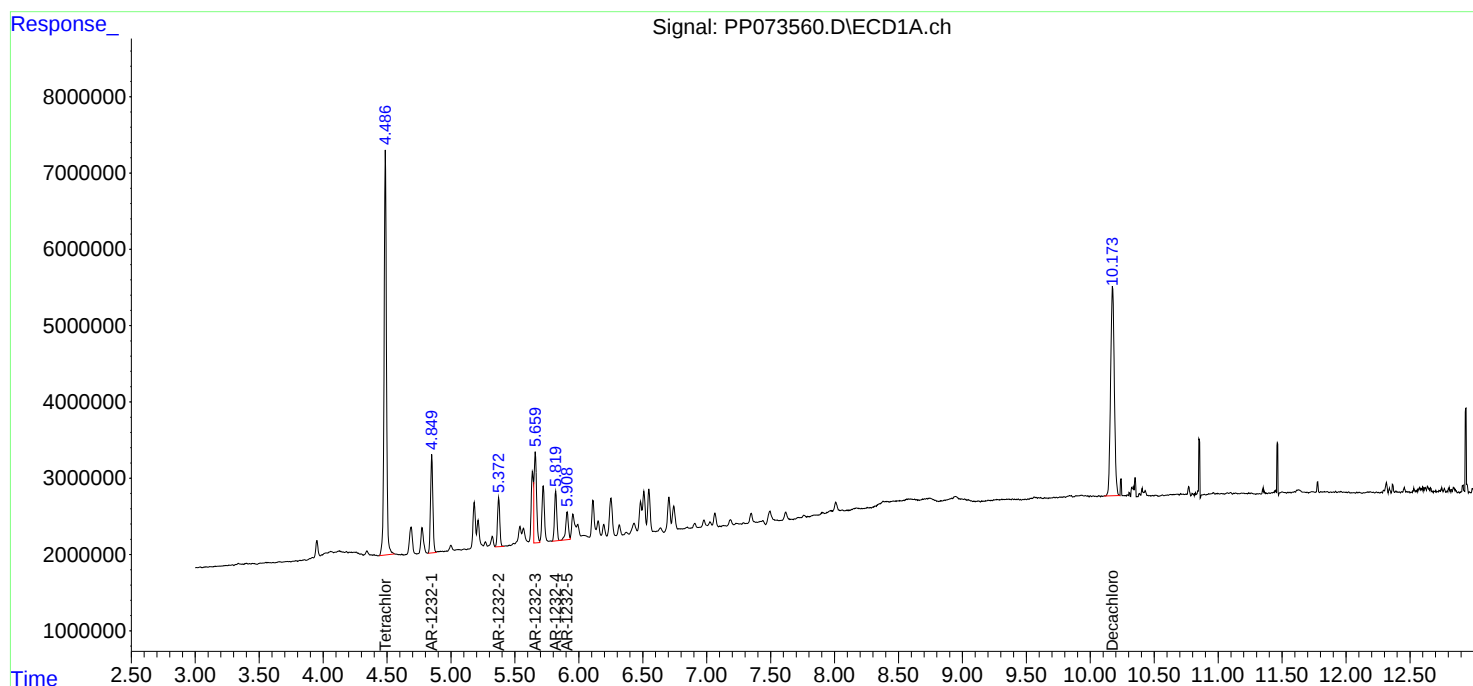
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

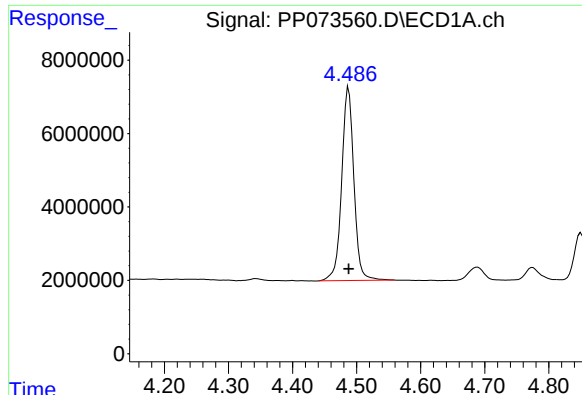
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:41
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

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

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

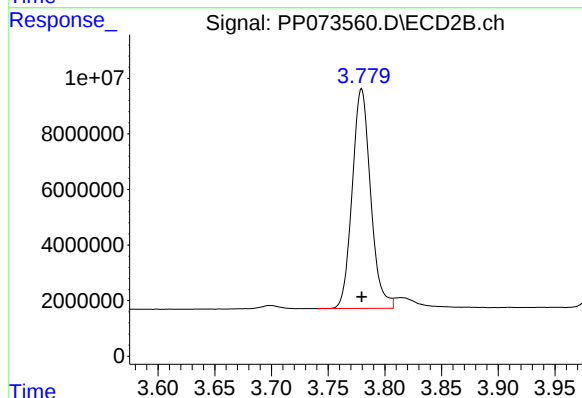




#1 Tetrachloro-m-xylene

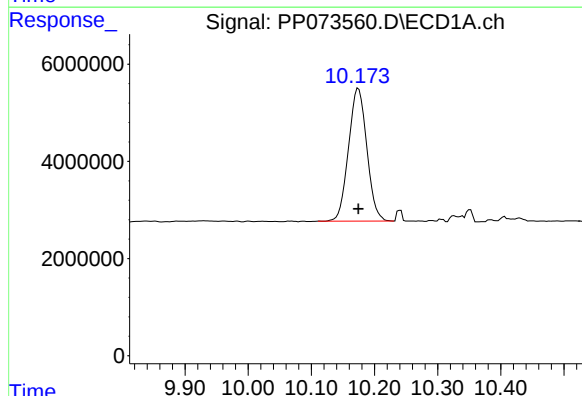
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 69747801
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



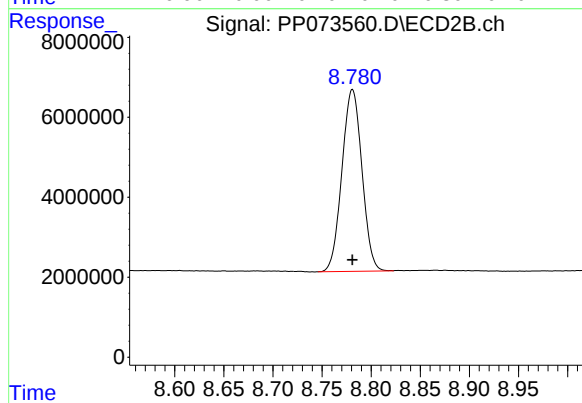
#1 Tetrachloro-m-xylene

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



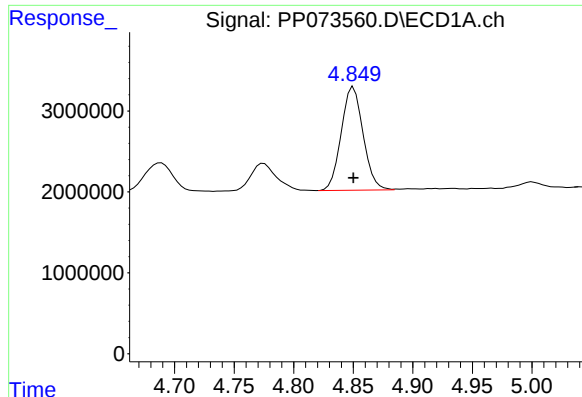
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

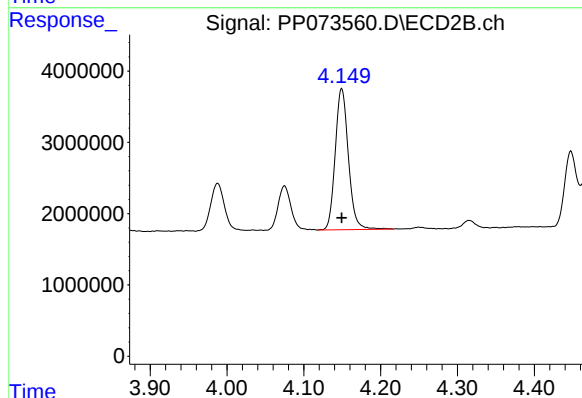
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 64481917
Conc: 50.00 ng/ml



#11 AR-1232-1

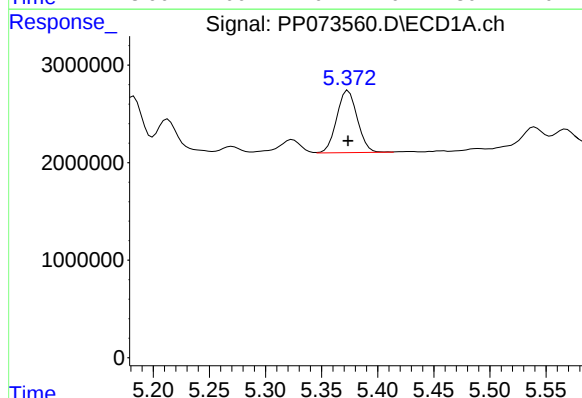
R.T.: 4.850 min
Delta R.T.: 0.000 min
Response: 16325352
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



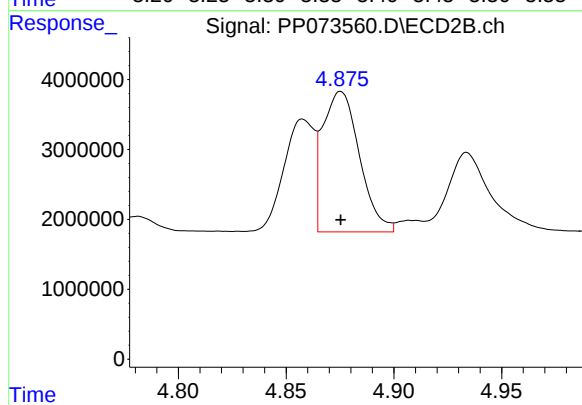
#11 AR-1232-1

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



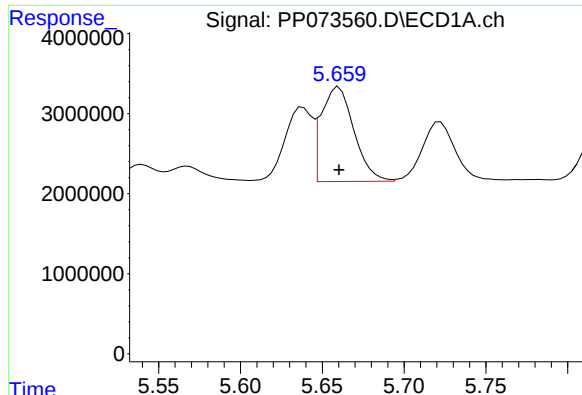
#12 AR-1232-2

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



#12 AR-1232-2

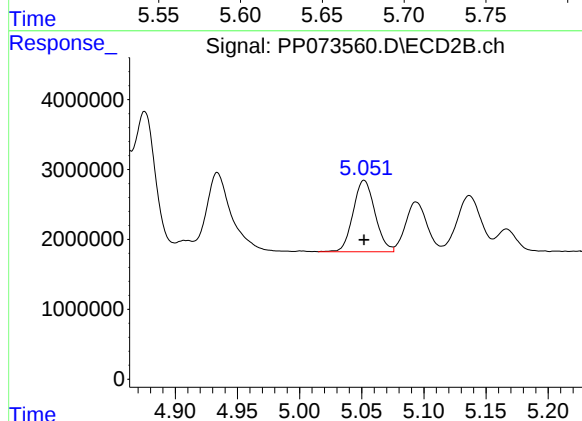
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 23829904
Conc: 500.00 ng/ml



#13 AR-1232-3

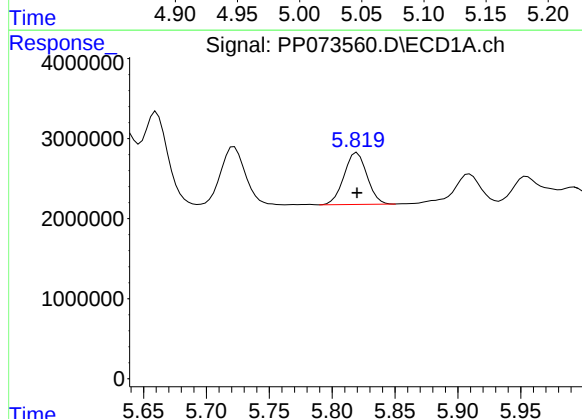
R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 16496729
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



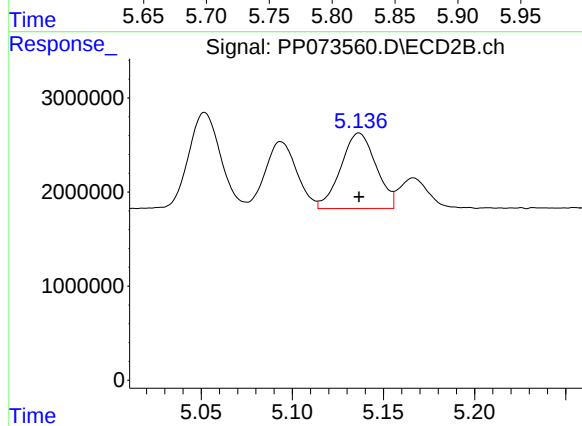
#13 AR-1232-3

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



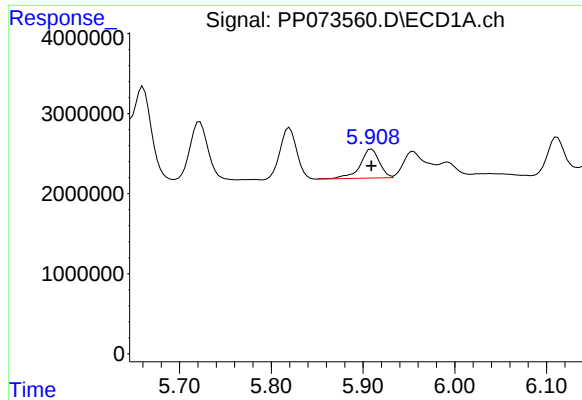
#14 AR-1232-4

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



#14 AR-1232-4

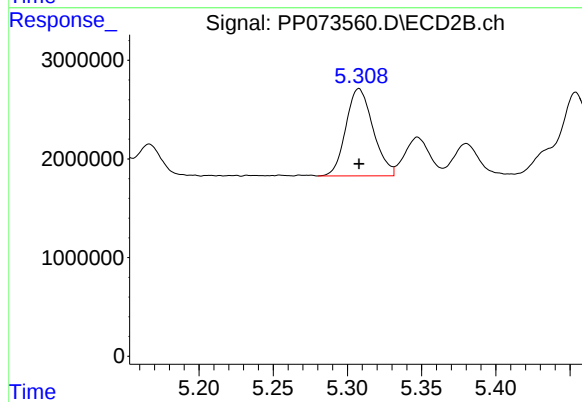
R.T.: 5.137 min
Delta R.T.: 0.000 min
Response: 10828145
Conc: 500.00 ng/ml



#15 AR-1232-5

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

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC1000

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.489	3.779	133.6E6	178.7E6	93.639	94.390
2)	SA Decachlor...	10.177	8.779	109.6E6	130.7E6	95.735	96.573
Target Compounds							
16)	L4 AR-1242-1	5.639	4.857	37824570	53636877	927.891	888.918
17)	L4 AR-1242-2	5.661	4.874	59433539	81745742	941.383	919.241
18)	L4 AR-1242-3	5.723	5.051	35307728	43191003	927.513	907.757
19)	L4 AR-1242-4	5.820	5.135	29431539	40719317	927.311	902.527
20)	L4 AR-1242-5	6.549	5.656	31742412	53173633	951.704	931.769

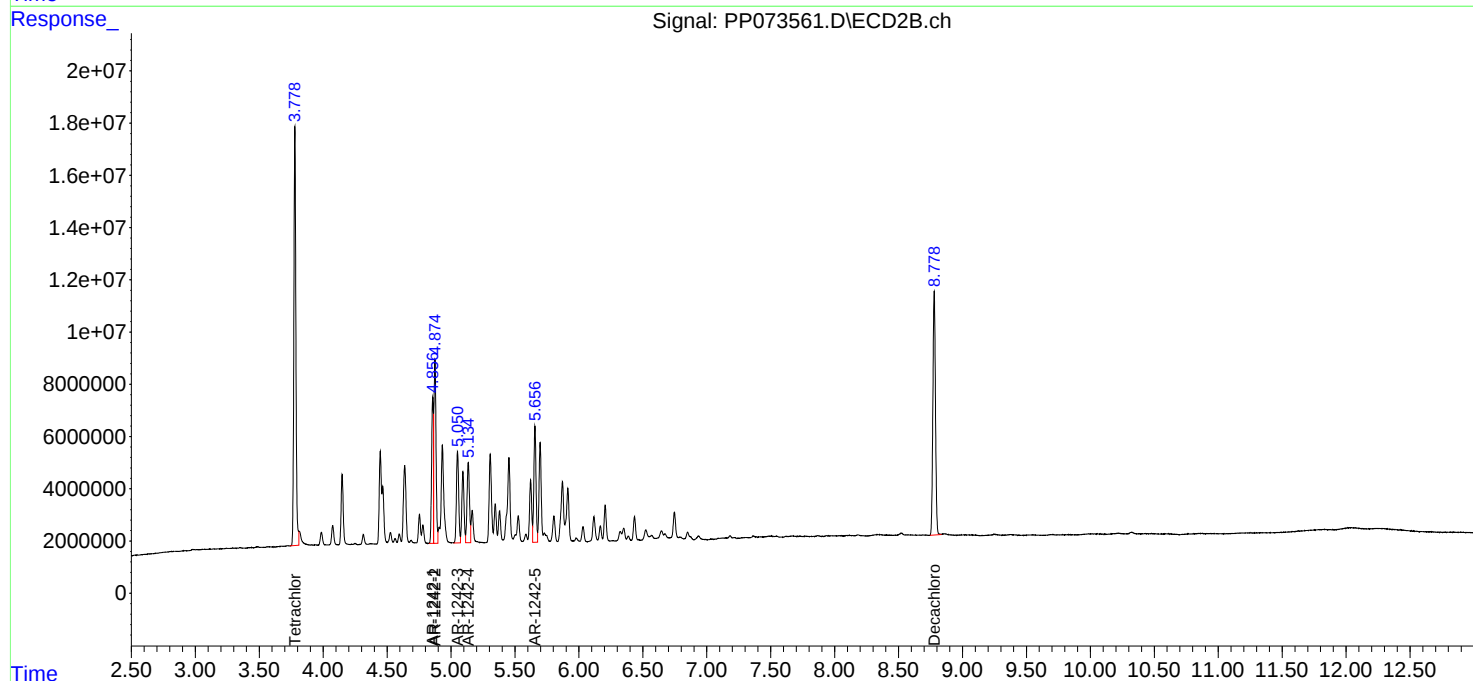
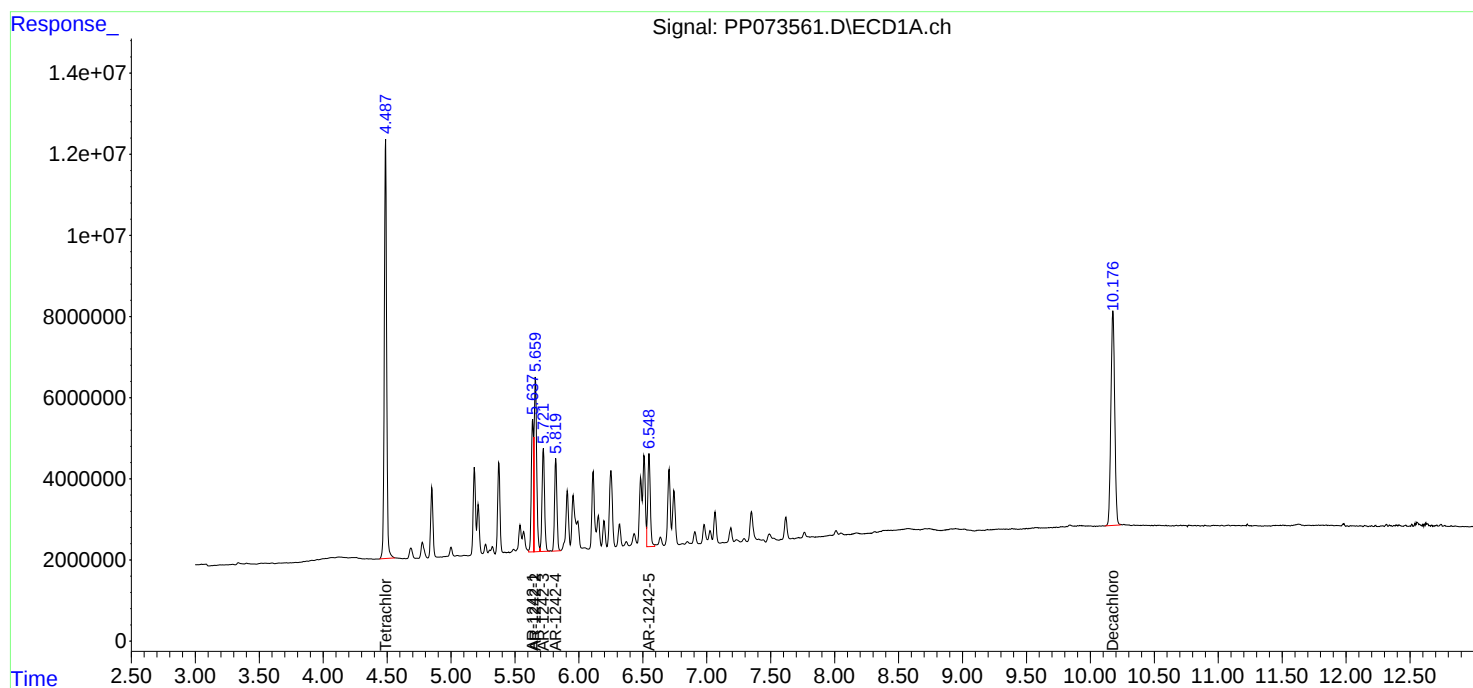
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

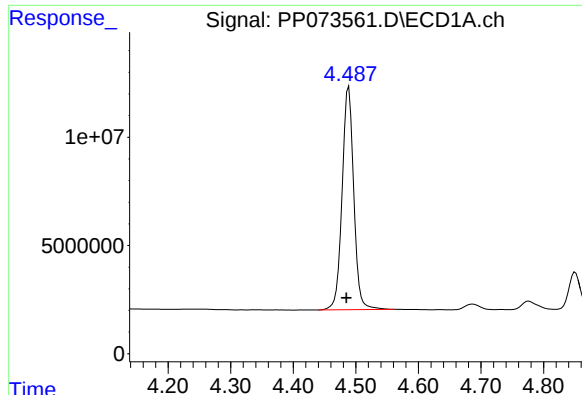
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:57
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

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

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

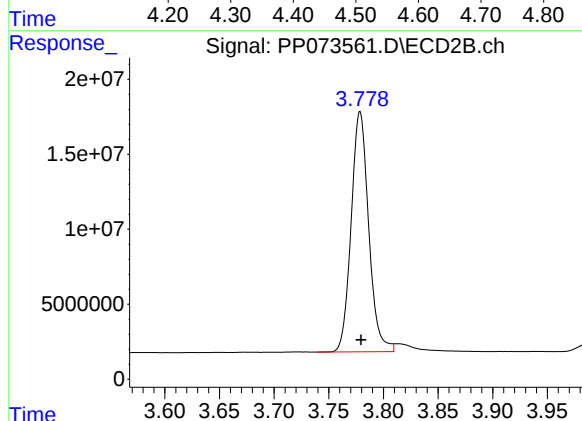




#1 Tetrachloro-m-xylene

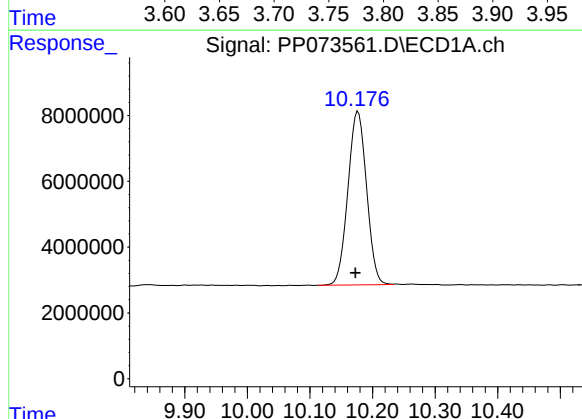
R.T.: 4.489 min
Delta R.T.: 0.004 min
Response: 133642467
Conc: 93.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



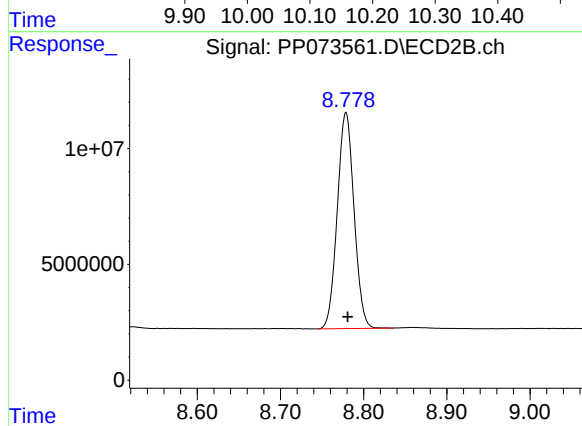
#1 Tetrachloro-m-xylene

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



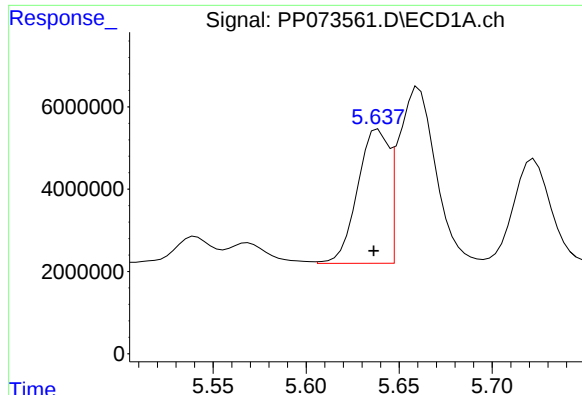
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

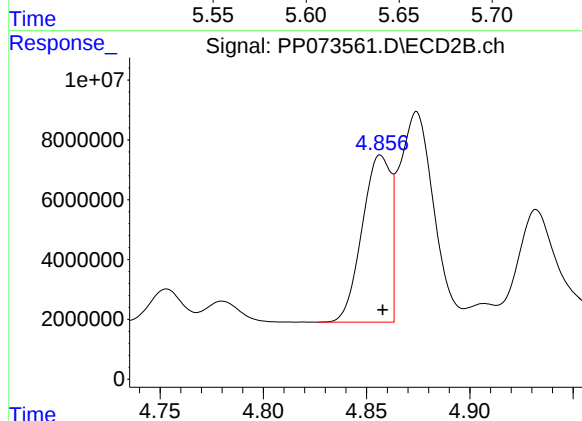
R.T.: 8.779 min
Delta R.T.: -0.002 min
Response: 130664248
Conc: 96.57 ng/ml



#16 AR-1242-1

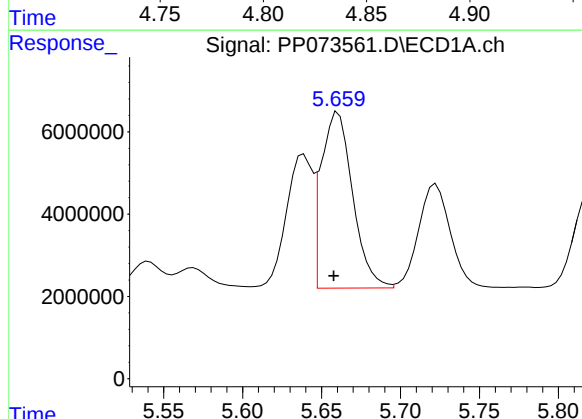
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 37824570
Conc: 927.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



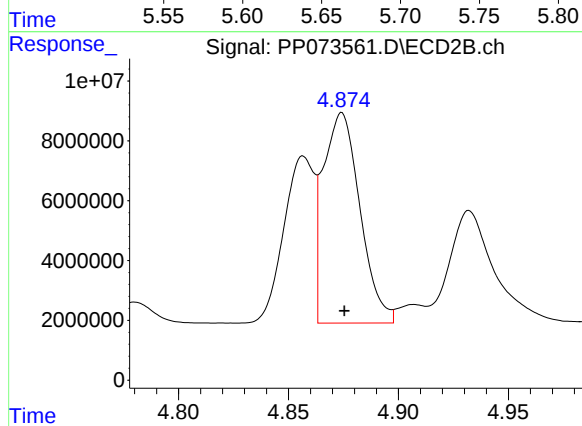
#16 AR-1242-1

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



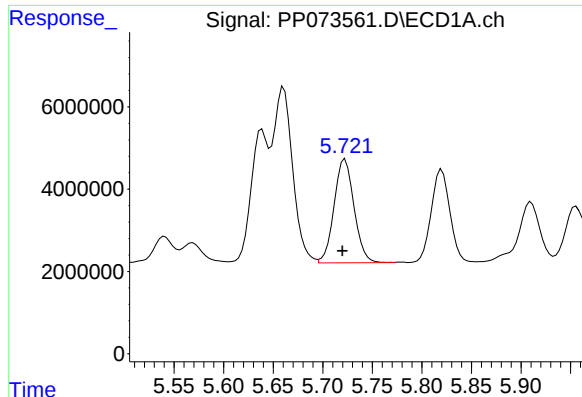
#17 AR-1242-2

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



#17 AR-1242-2

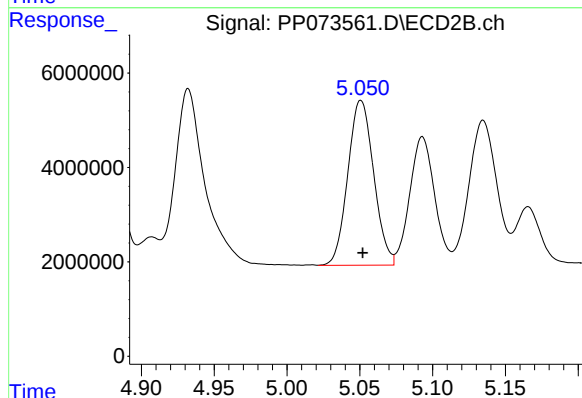
R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 81745742
Conc: 919.24 ng/ml



#18 AR-1242-3

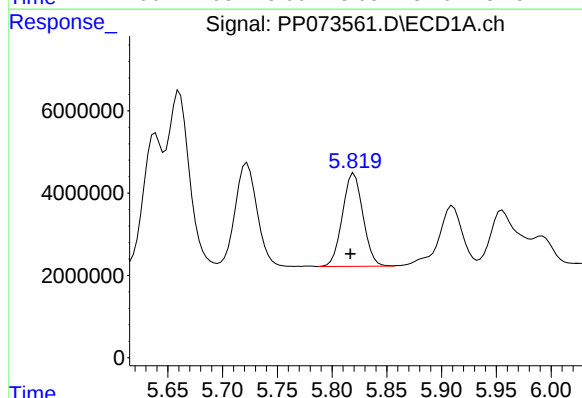
R.T.: 5.723 min
Delta R.T.: 0.003 min
Response: 35307728
Conc: 927.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



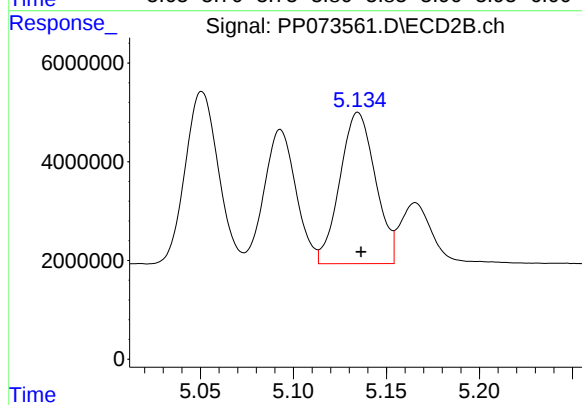
#18 AR-1242-3

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



#19 AR-1242-4

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



#19 AR-1242-4

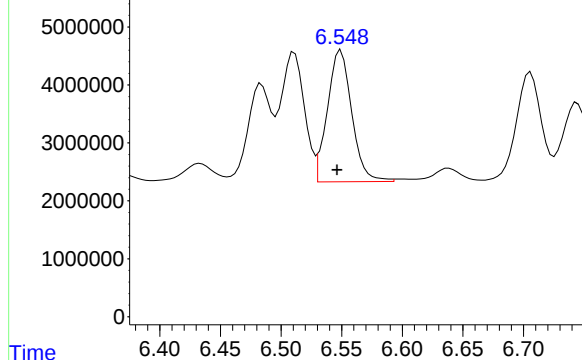
R.T.: 5.135 min
Delta R.T.: -0.002 min
Response: 40719317
Conc: 902.53 ng/ml

Response_

Signal: PP073561.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



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

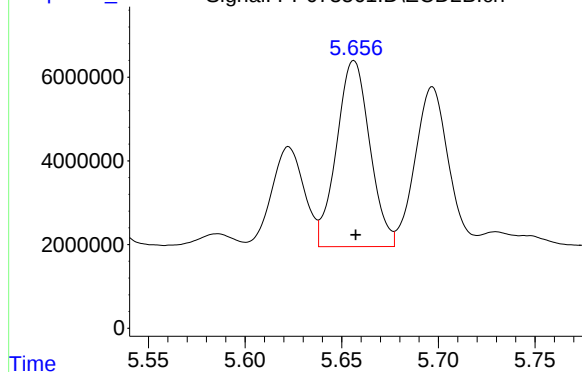
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Time

Response_

Signal: PP073561.D\ECD2B.ch

#20 AR-1242-5



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

Time

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC750

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.487	3.779	101.2E6	134.0E6	70.925	70.781
2) SA Decachlor...	10.176	8.781	83819765	102.7E6	73.236	75.941
Target Compounds						
16) L4 AR-1242-1	5.637	4.858	28898659	42483367	708.926	704.072
17) L4 AR-1242-2	5.660	4.875	44240913	61742767	700.743	694.305
18) L4 AR-1242-3	5.721	5.051	26874126	33146056	705.967	696.639
19) L4 AR-1242-4	5.819	5.135	22658657	31400295	713.915	695.975
20) L4 AR-1242-5	6.548	5.657	23721271	40207089	711.214	704.555

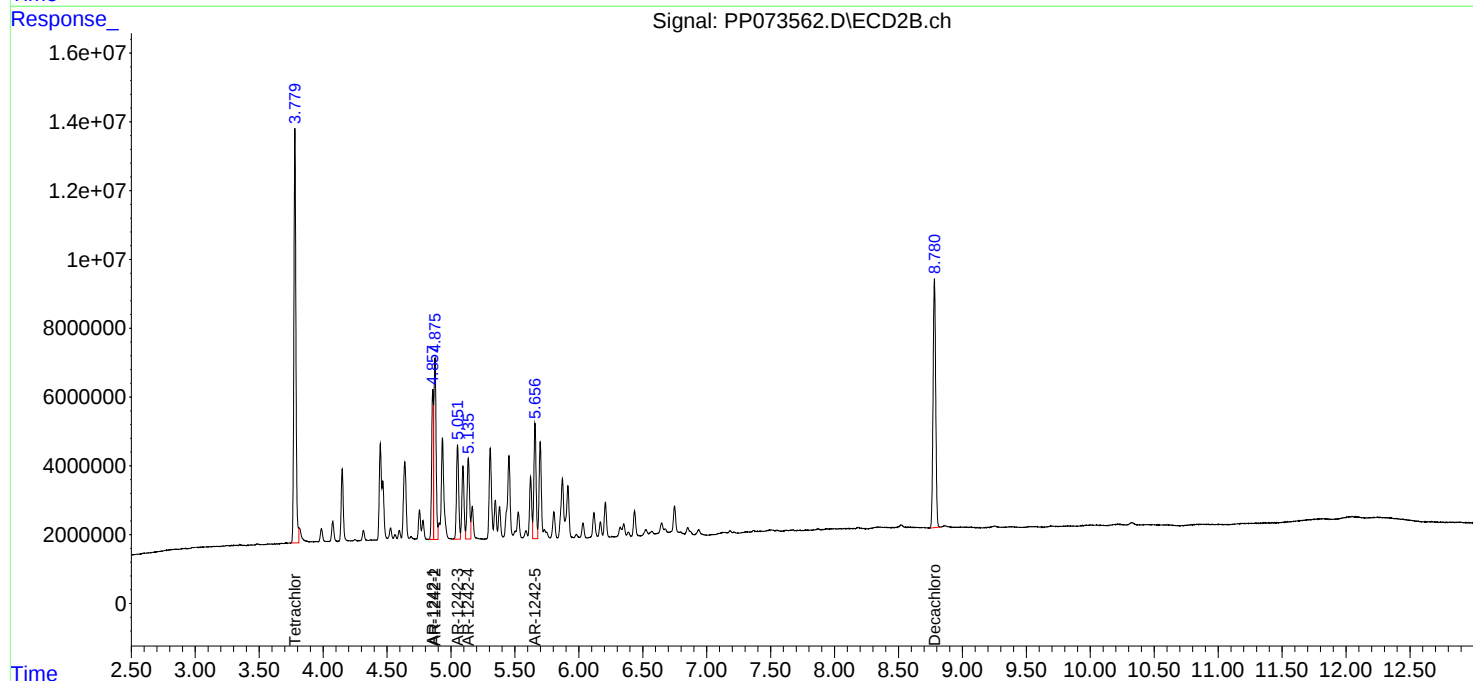
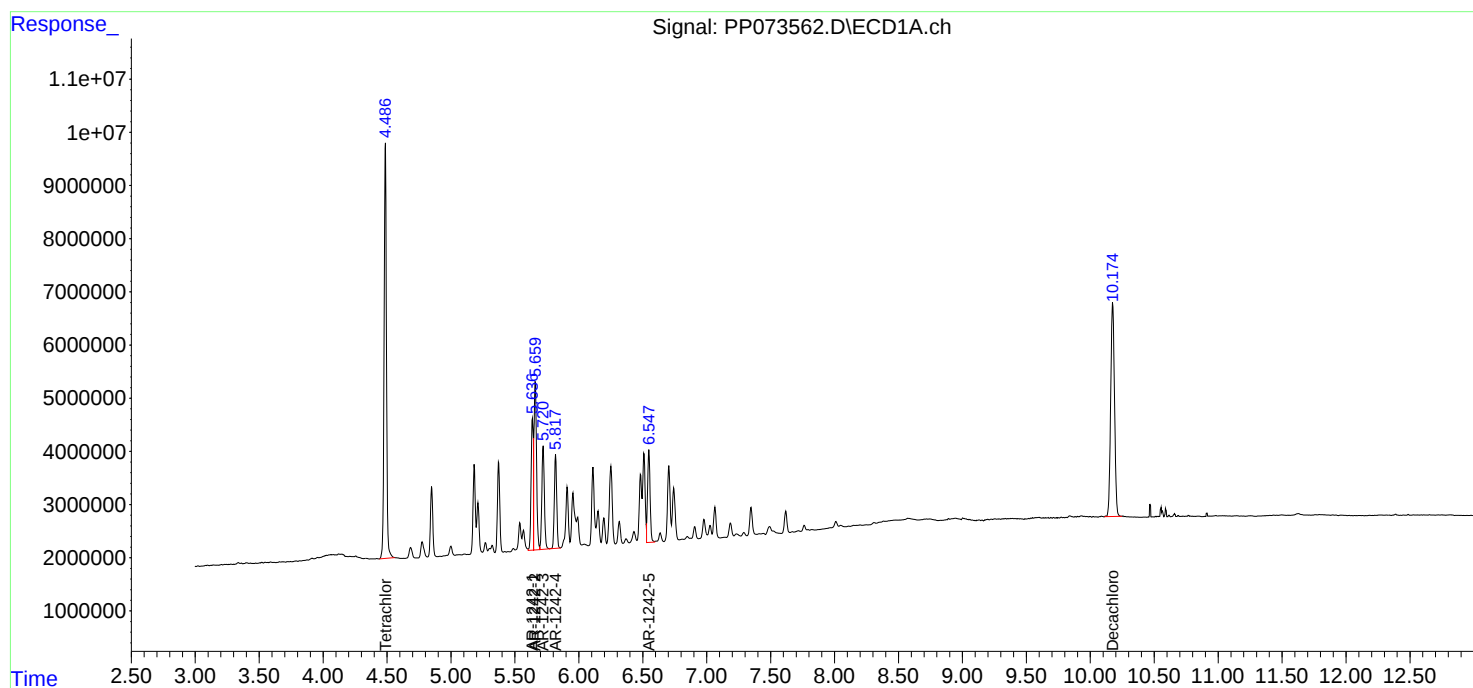
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

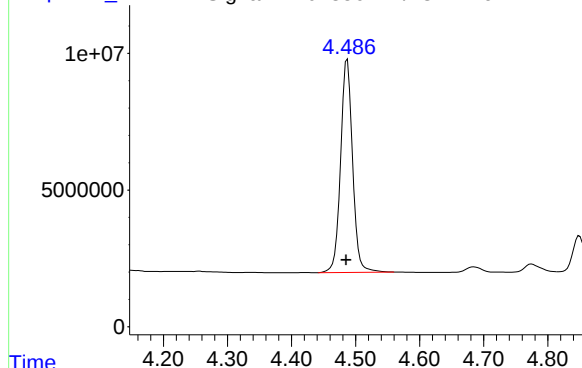
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

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

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



Response_ Signal: PP073562.D\ECD1A.ch

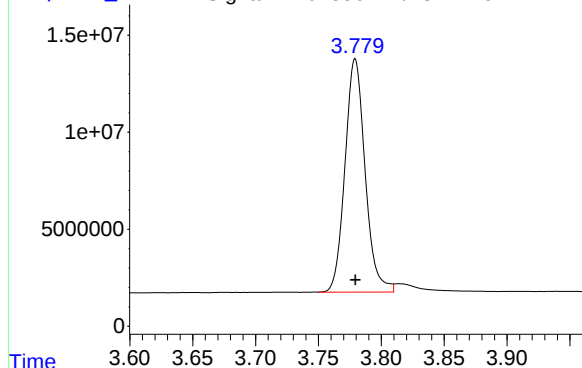


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

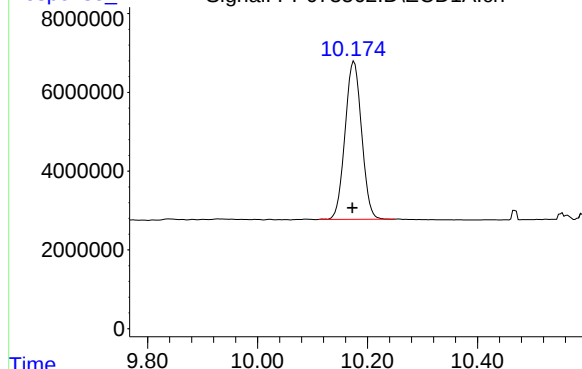
Time Response_ Signal: PP073562.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

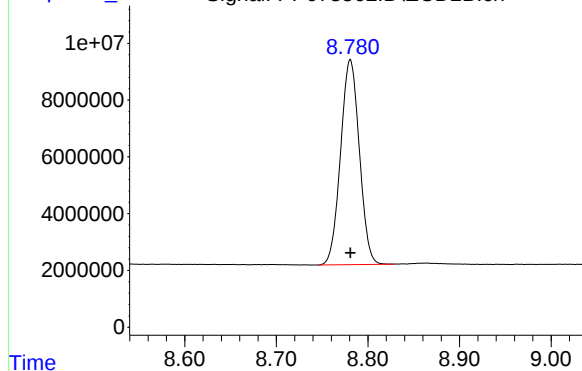
Time Response_ Signal: PP073562.D\ECD1A.ch



#2 Decachlorobiphenyl

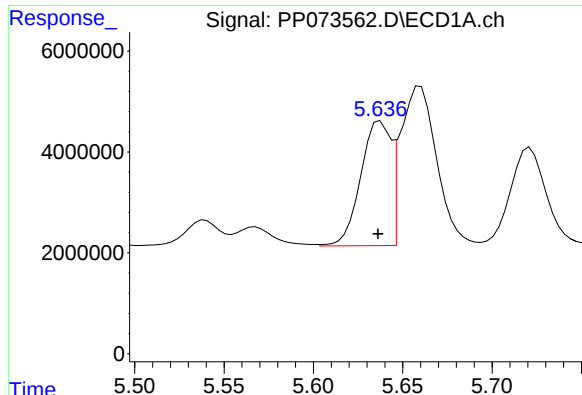
R.T.: 10.176 min
Delta R.T.: 0.003 min
Response: 83819765
Conc: 73.24 ng/ml

Time Response_ Signal: PP073562.D\ECD2B.ch



#2 Decachlorobiphenyl

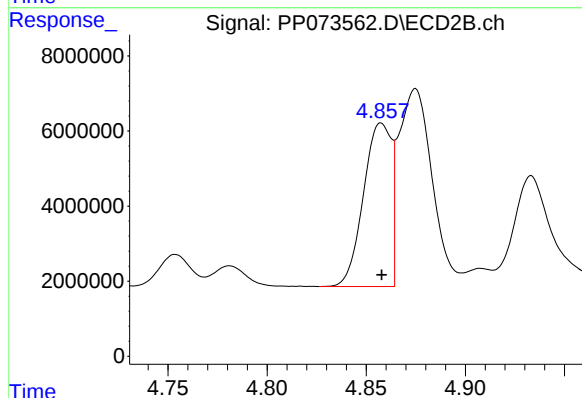
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 102748919
Conc: 75.94 ng/ml



#16 AR-1242-1

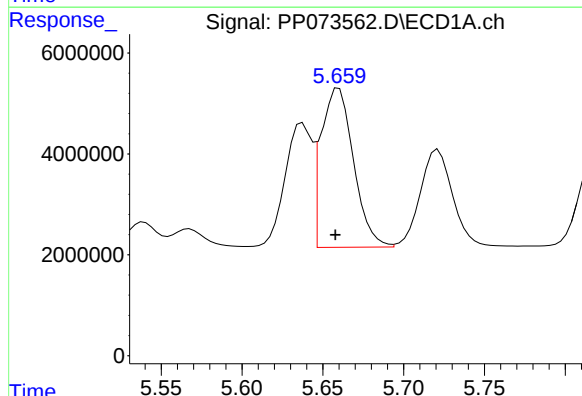
R.T.: 5.637 min
Delta R.T.: 0.001 min
Response: 28898659
Conc: 708.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



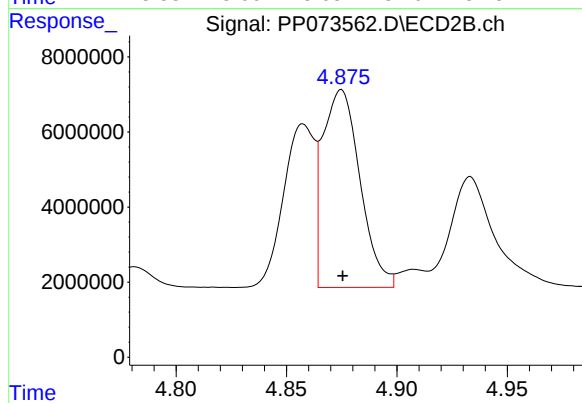
#16 AR-1242-1

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



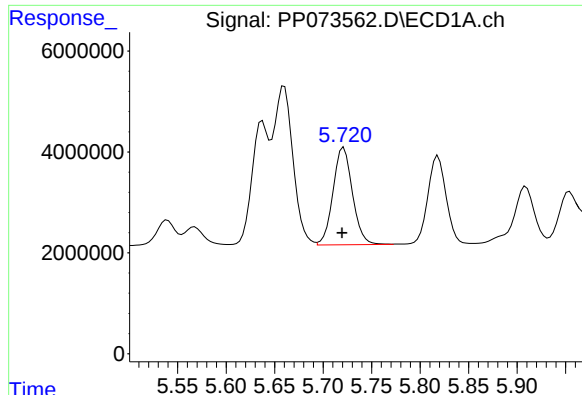
#17 AR-1242-2

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



#17 AR-1242-2

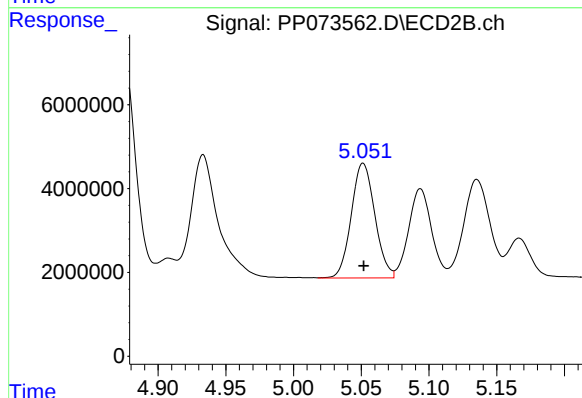
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 61742767
Conc: 694.31 ng/ml



#18 AR-1242-3

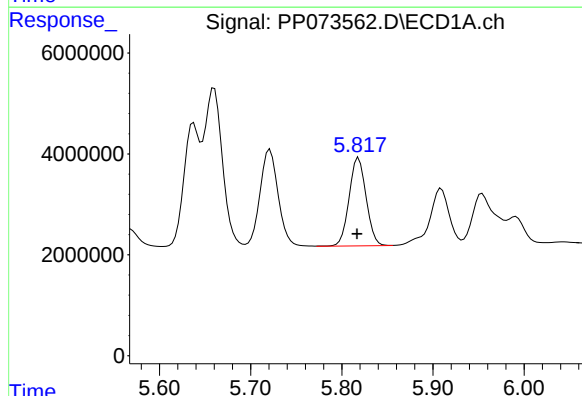
R.T.: 5.721 min
Delta R.T.: 0.002 min
Response: 26874126
Conc: 705.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



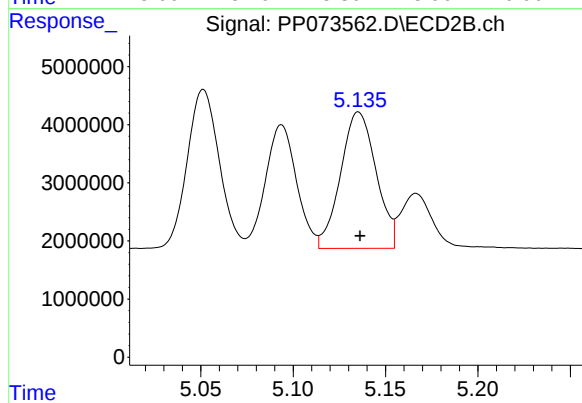
#18 AR-1242-3

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



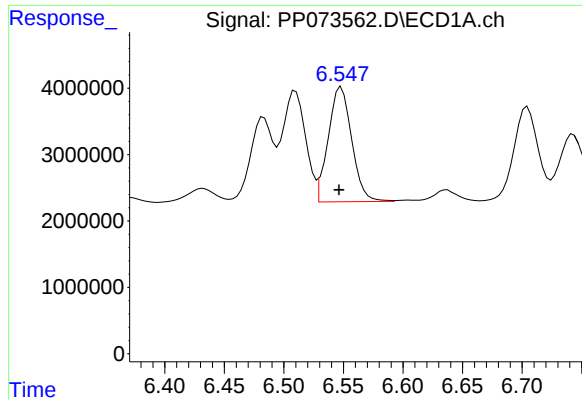
#19 AR-1242-4

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



#19 AR-1242-4

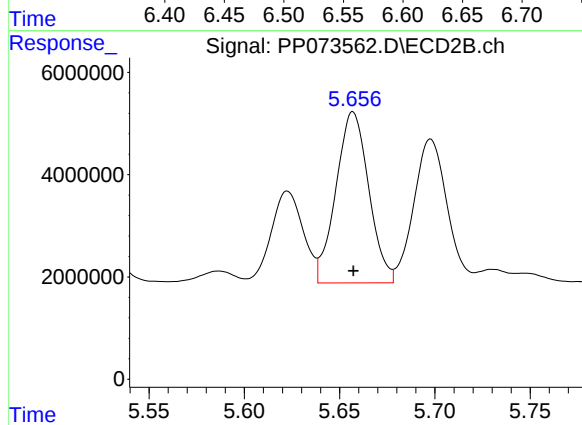
R.T.: 5.135 min
Delta R.T.: 0.000 min
Response: 31400295
Conc: 695.97 ng/ml



#20 AR-1242-5

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC500

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.485	3.779	71360618	94672779	50.000	50.000
2) SA Decachlor...	10.173	8.781	57225953	67650592	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.636	4.858	20382014	30169740	500.000	500.000
17) L4 AR-1242-2	5.658	4.875	31567127	44463701	500.000	500.000
18) L4 AR-1242-3	5.720	5.052	19033543	23789965	500.000	500.000
19) L4 AR-1242-4	5.817	5.136	15869296	22558507	500.000	500.000
20) L4 AR-1242-5	6.546	5.657	16676614	28533697	500.000	500.000

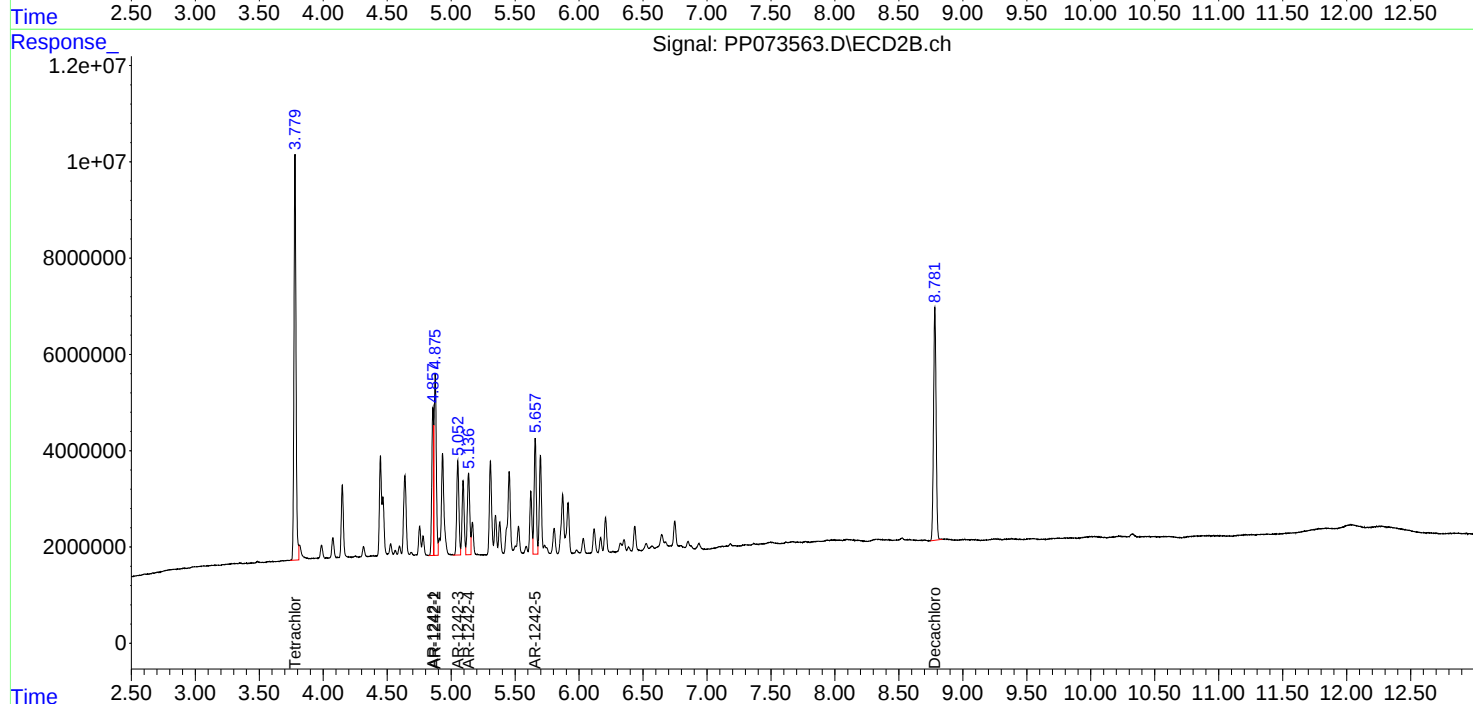
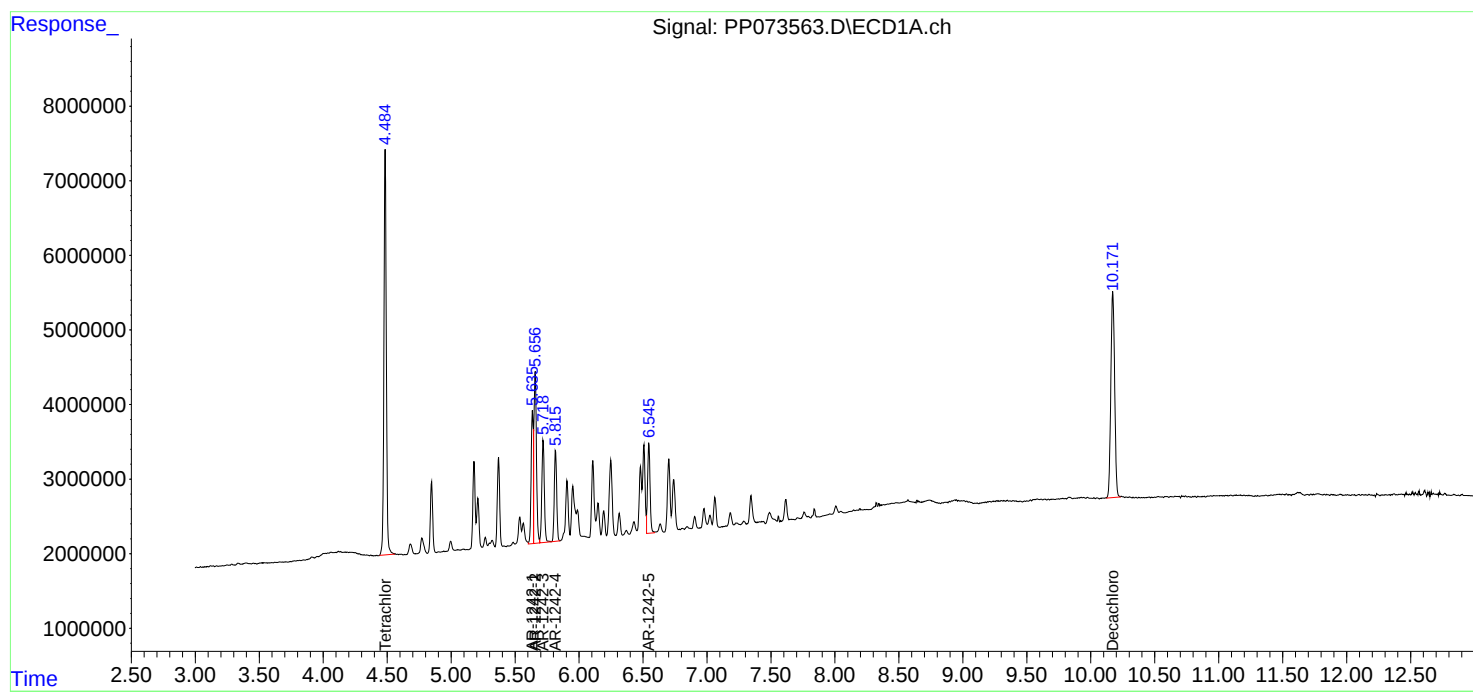
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

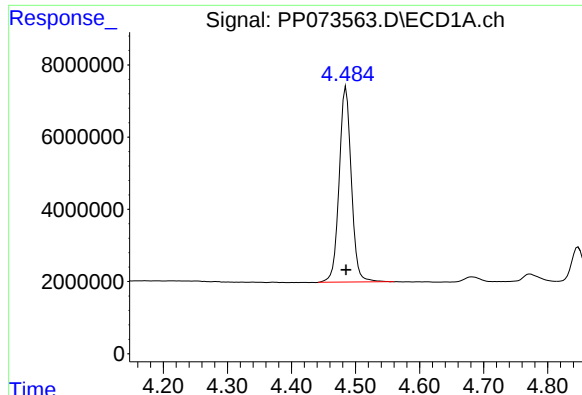
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:30
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

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

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

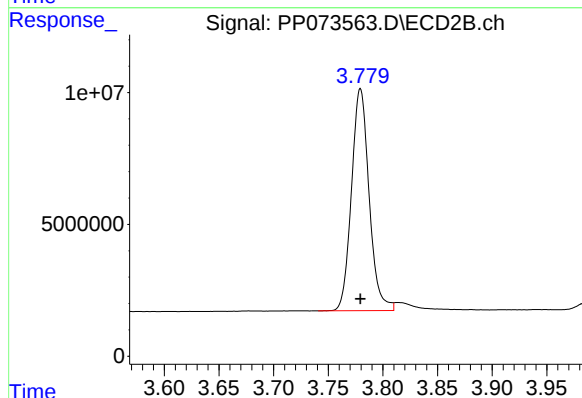




#1 Tetrachloro-m-xylene

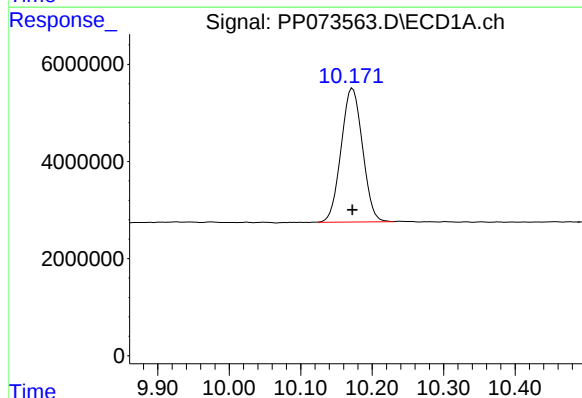
R.T.: 4.485 min
Delta R.T.: 0.000 min
Response: 71360618
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



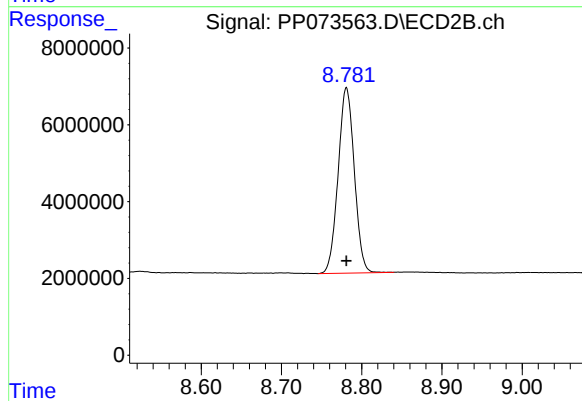
#1 Tetrachloro-m-xylene

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



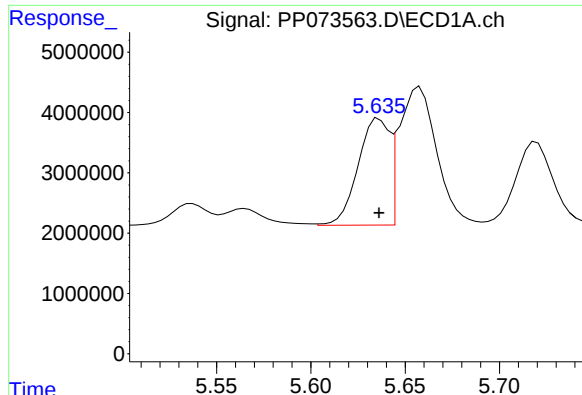
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

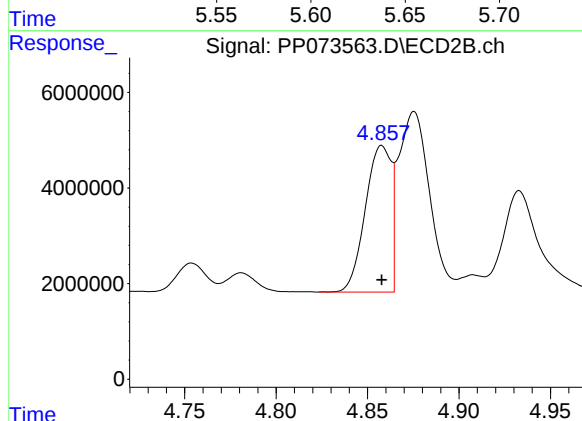
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 67650592
Conc: 50.00 ng/ml



#16 AR-1242-1

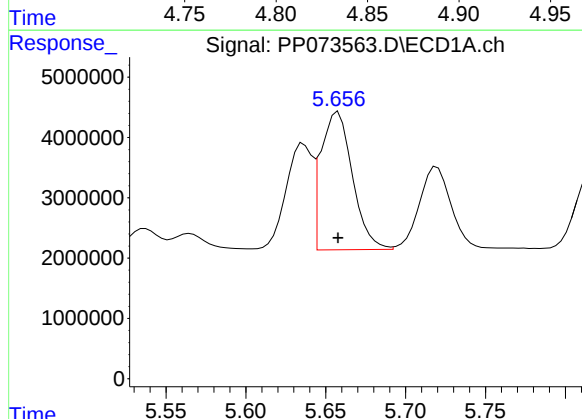
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 20382014
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



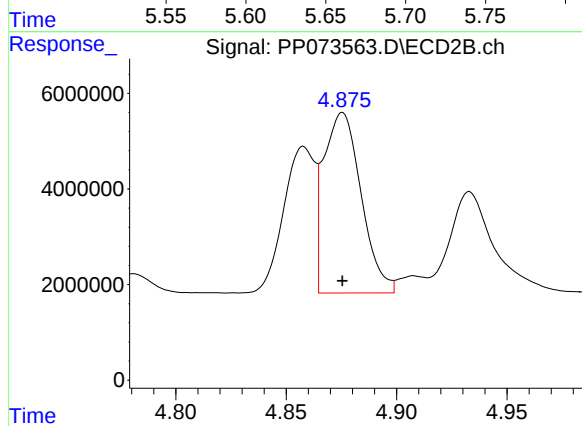
#16 AR-1242-1

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



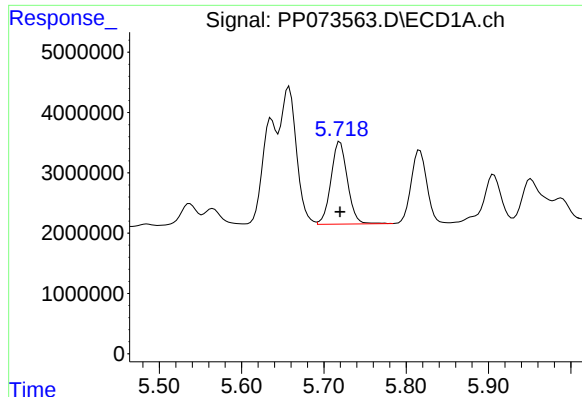
#17 AR-1242-2

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



#17 AR-1242-2

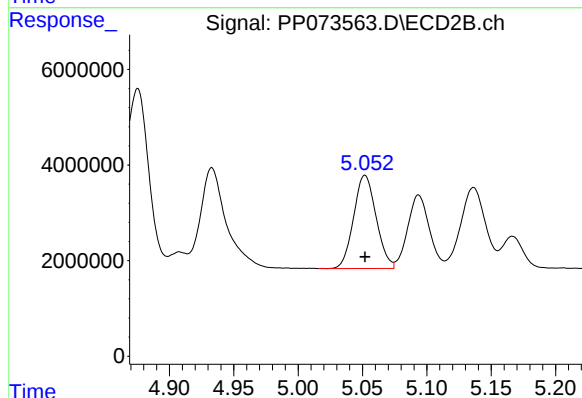
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 44463701
Conc: 500.00 ng/ml



#18 AR-1242-3

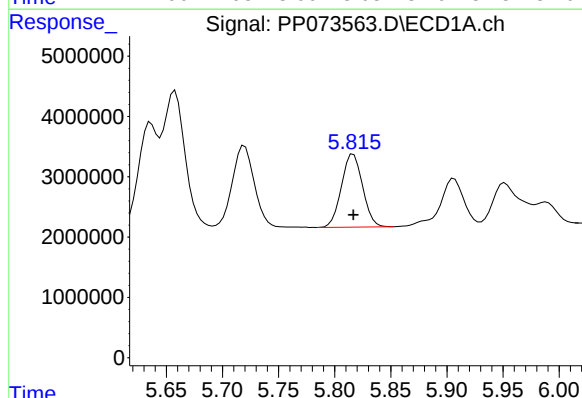
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 19033543
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



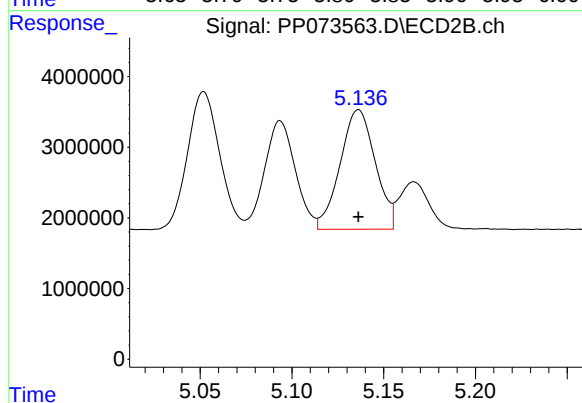
#18 AR-1242-3

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



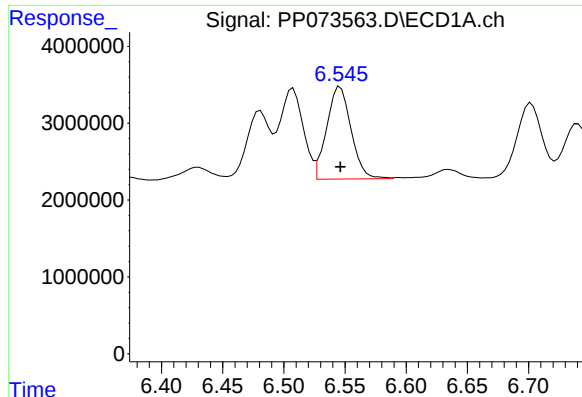
#19 AR-1242-4

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



#19 AR-1242-4

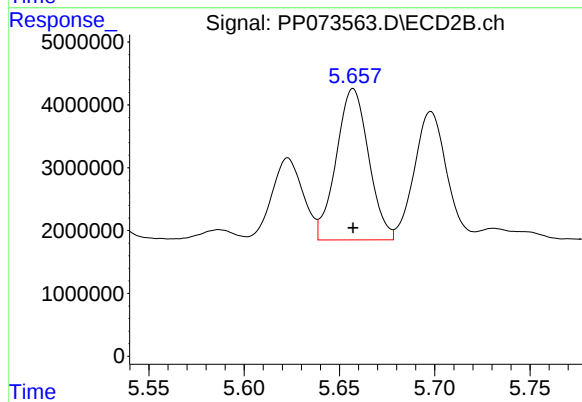
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 22558507
Conc: 500.00 ng/ml



#20 AR-1242-5

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC250

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.488	3.779	35973232	49943783	25.205	26.377
2) SA Decachlor...	10.176	8.781	28867365	35186918	25.222	26.006
Target Compounds						
16) L4 AR-1242-1	5.638	4.857	10586937	15530210	259.713	257.381
17) L4 AR-1242-2	5.660	4.875	16251959	22939126	257.419	257.953
18) L4 AR-1242-3	5.722	5.051	9827935	12210872	258.174	256.639
19) L4 AR-1242-4	5.819	5.135	8068875	11715170	254.229	259.662
20) L4 AR-1242-5	6.550	5.656	8772262	14646179	263.011	256.647

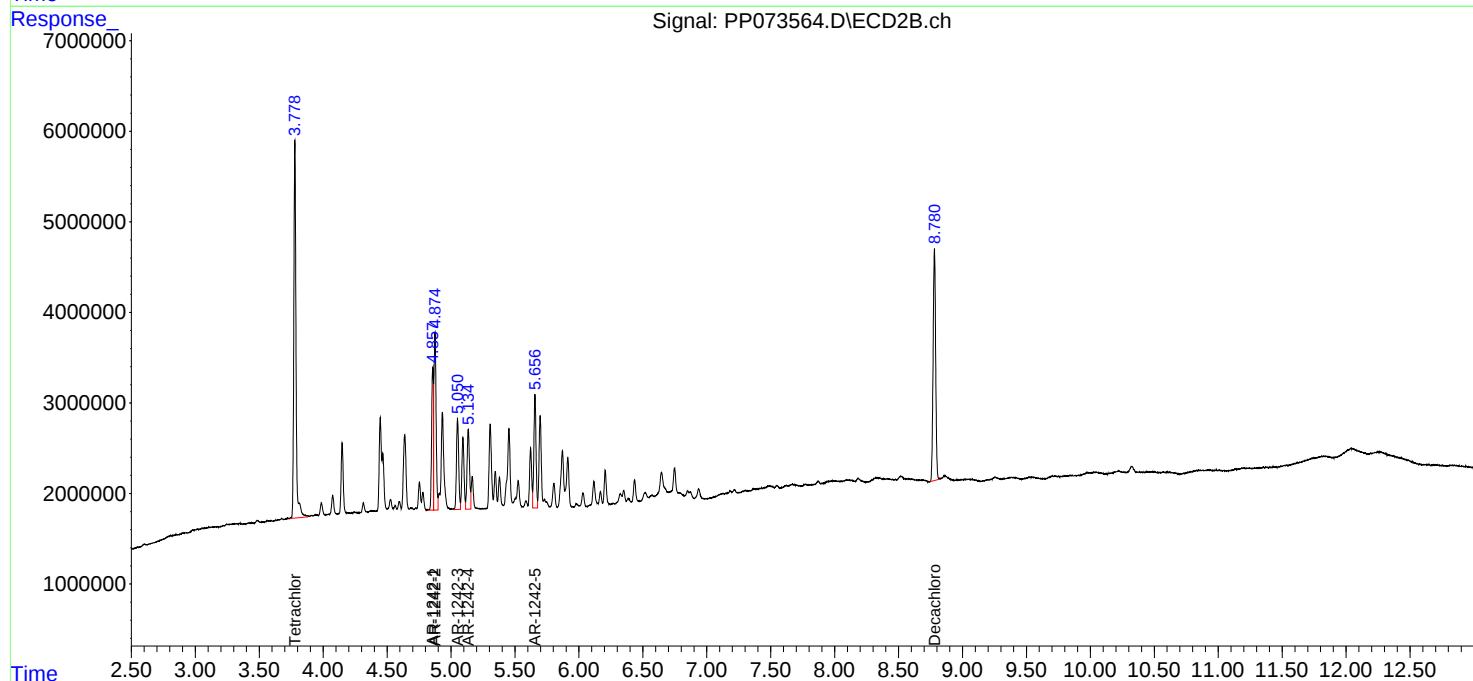
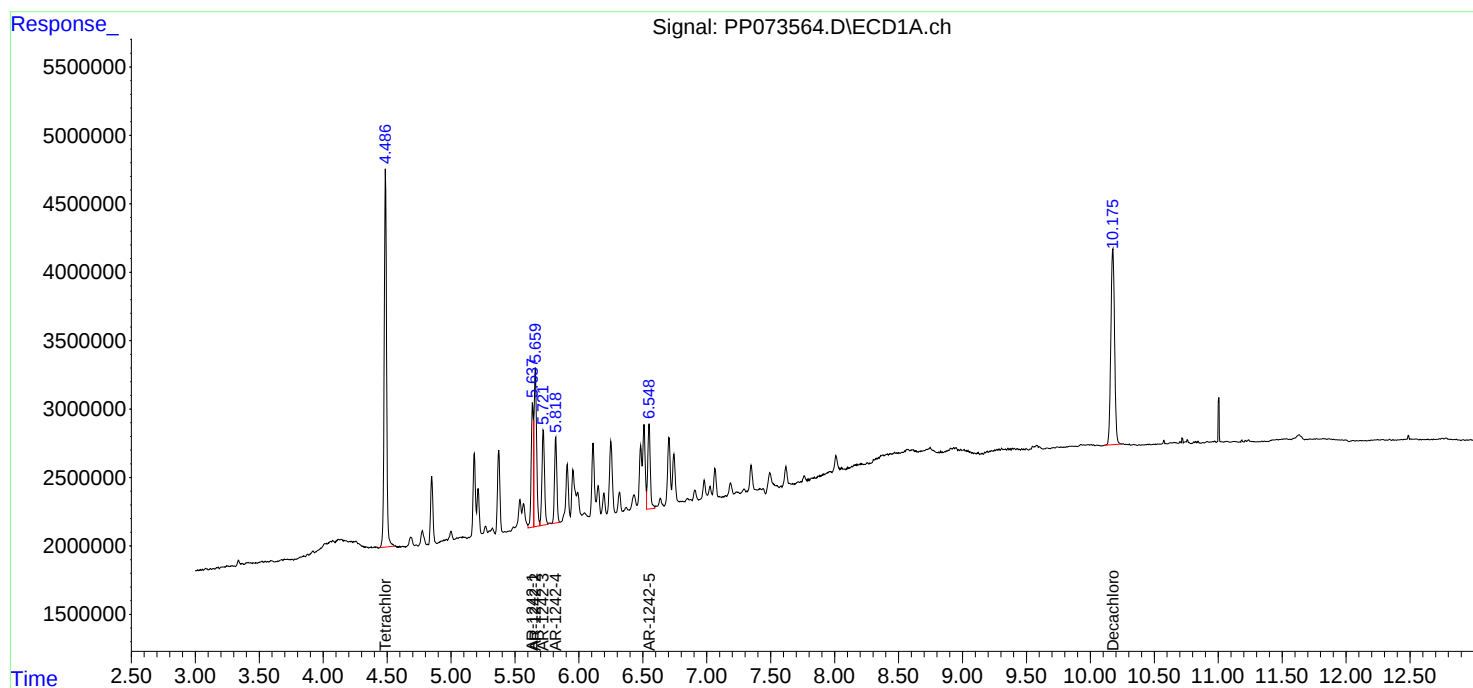
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

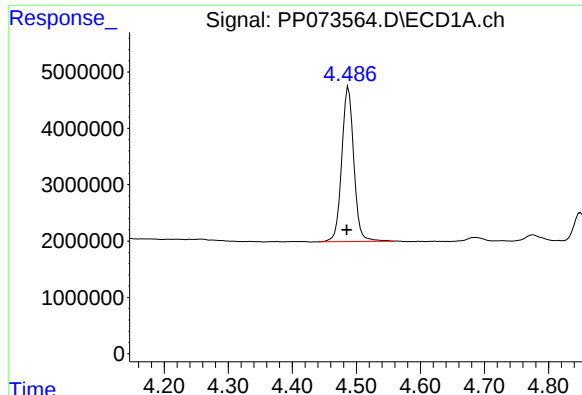
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 23:46
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

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

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

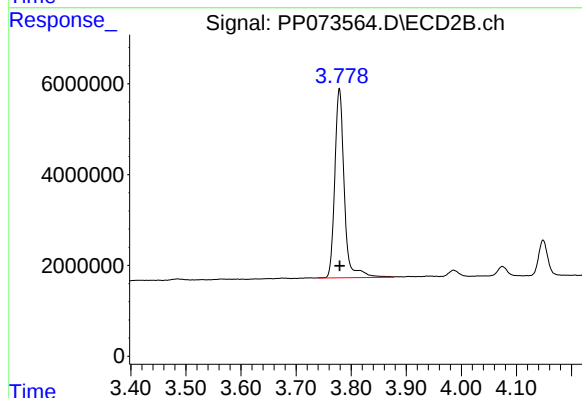




#1 Tetrachloro-m-xylene

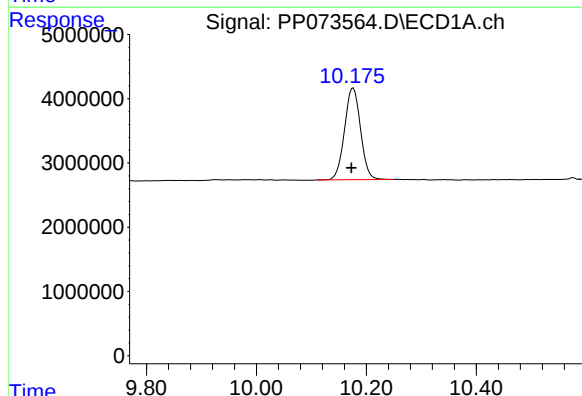
R.T.: 4.488 min
Delta R.T.: 0.003 min
Response: 35973232
Conc: 25.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



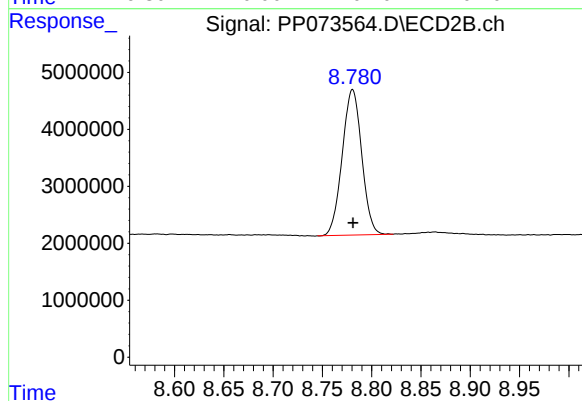
#1 Tetrachloro-m-xylene

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



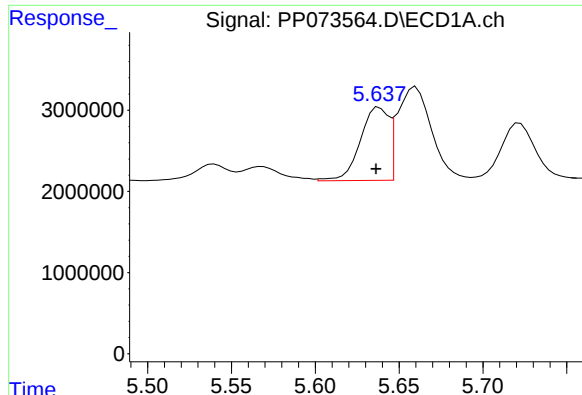
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

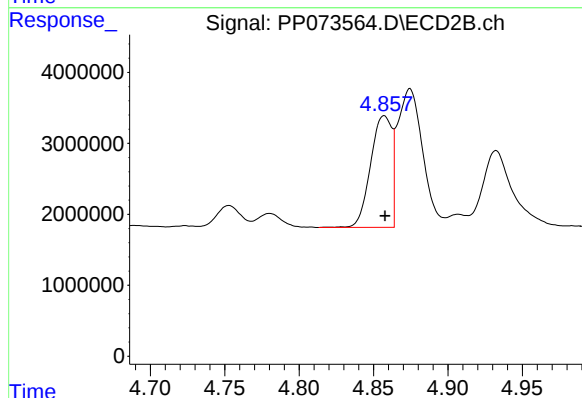
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 35186918
Conc: 26.01 ng/ml



#16 AR-1242-1

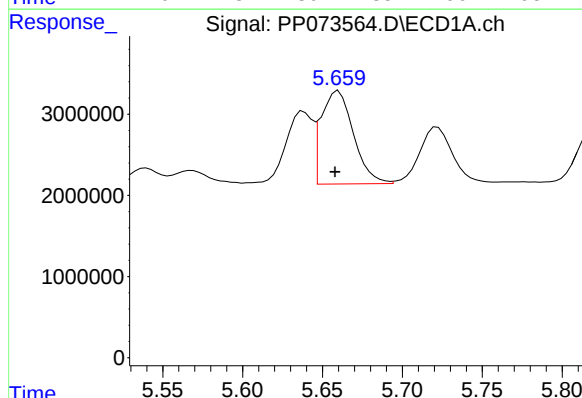
R.T.: 5.638 min
Delta R.T.: 0.002 min
Response: 10586937
Conc: 259.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



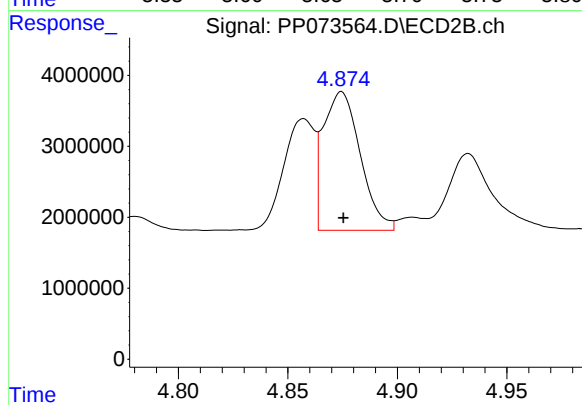
#16 AR-1242-1

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



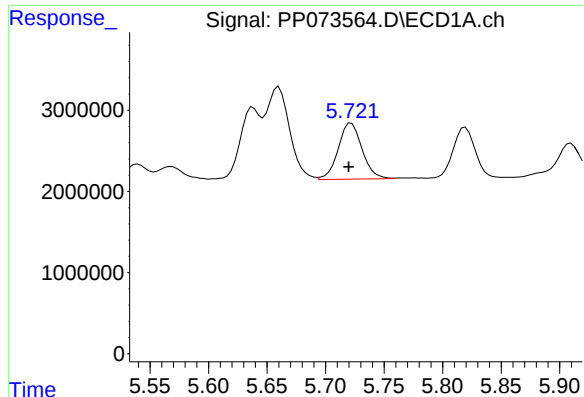
#17 AR-1242-2

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



#17 AR-1242-2

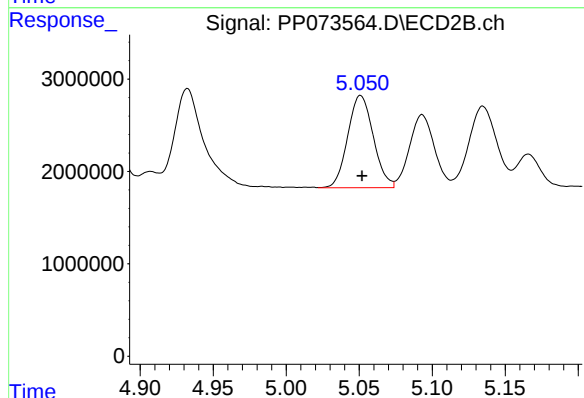
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 22939126
Conc: 257.95 ng/ml



#18 AR-1242-3

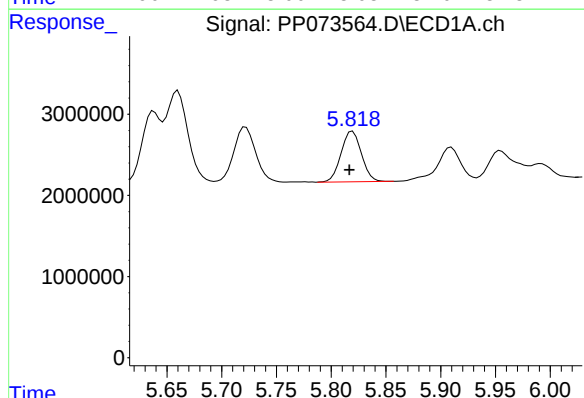
R.T.: 5.722 min
Delta R.T.: 0.002 min
Response: 9827935
Conc: 258.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250



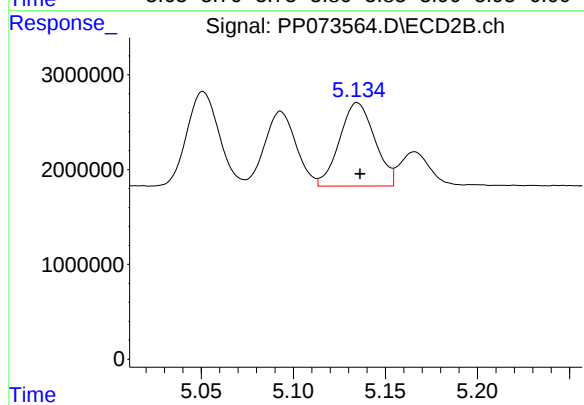
#18 AR-1242-3

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



#19 AR-1242-4

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



#19 AR-1242-4

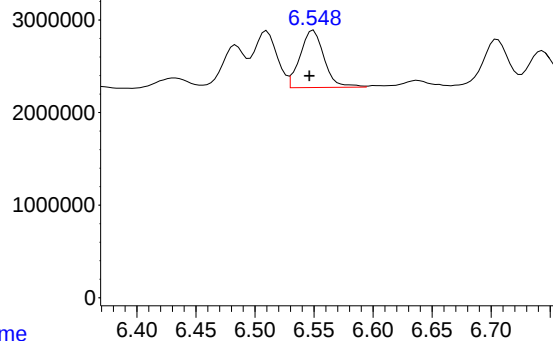
R.T.: 5.135 min
Delta R.T.: -0.002 min
Response: 11715170
Conc: 259.66 ng/ml

Response_

Signal: PP073564.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



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

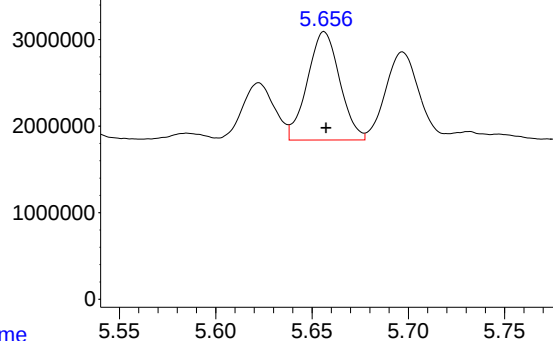
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Time

Response_

Signal: PP073564.D\ECD2B.ch

#20 AR-1242-5



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

Time

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

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

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.487	3.779	6312847	8330986	4.423	4.400
2) SA Decachlor...	10.173	8.780	4963140	5974096	4.336	4.415
Target Compounds						
16) L4 AR-1242-1	5.636	4.857	1573661	2804106	38.604m	46.472
17) L4 AR-1242-2	5.657	4.875	2642334	4375880	41.853m	49.207
18) L4 AR-1242-3	5.720	5.052	1729292	2296207	45.427m	48.260
19) L4 AR-1242-4	5.818	5.136	1851147	2337623	58.325	51.812
20) L4 AR-1242-5	6.546	5.657	1593566	2688857	47.778m	47.117

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

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

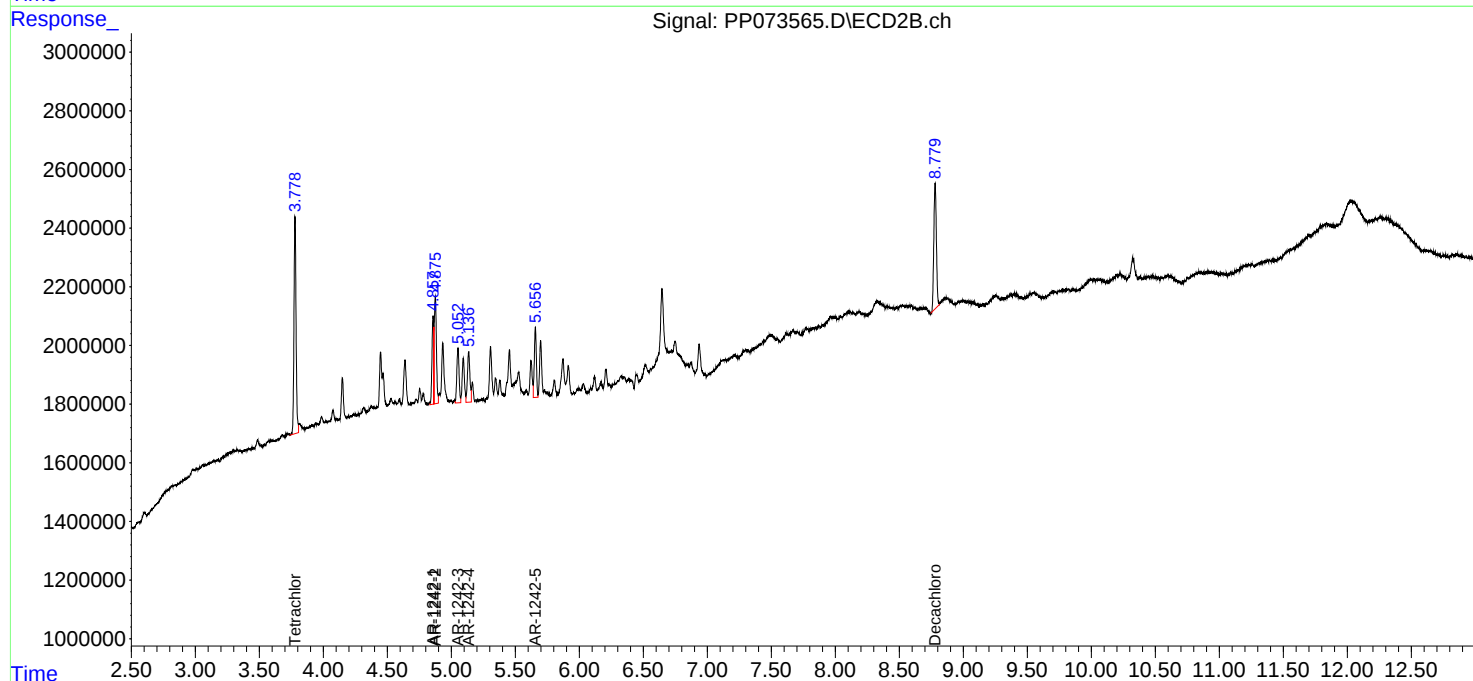
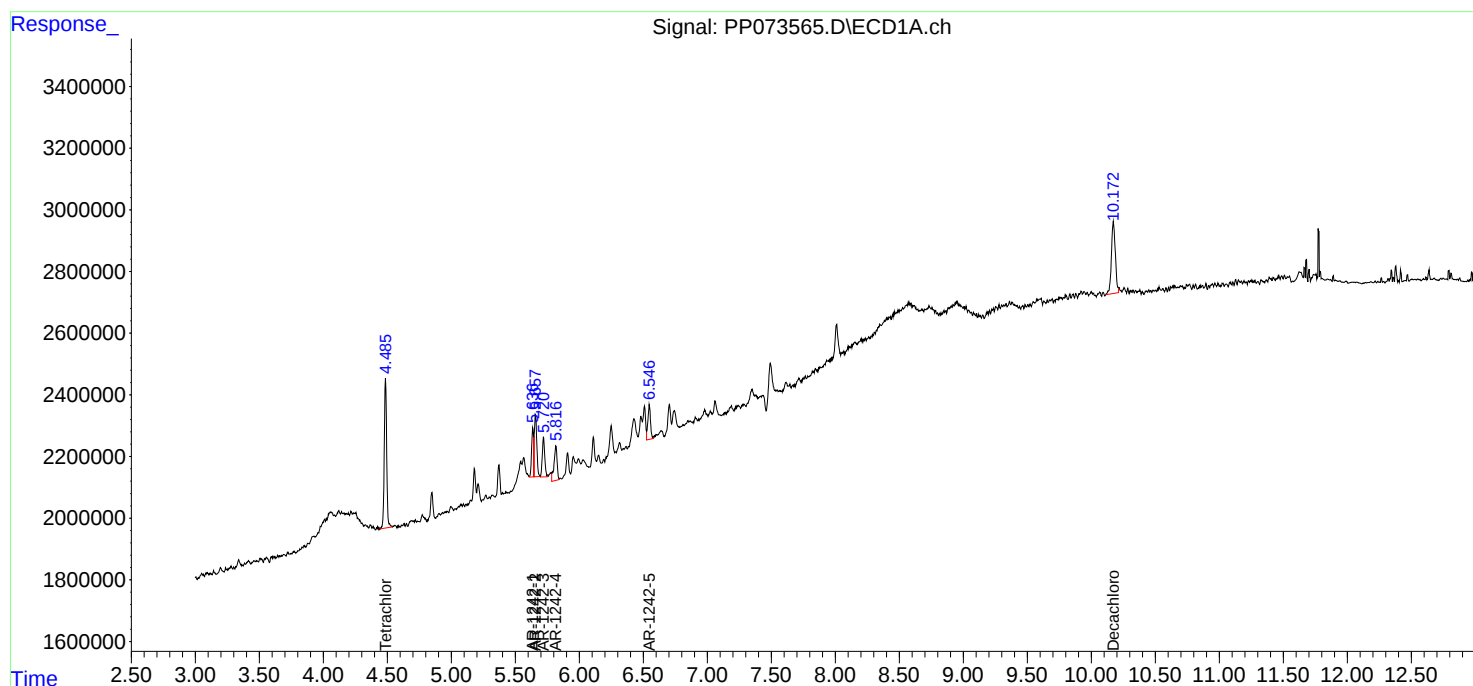
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

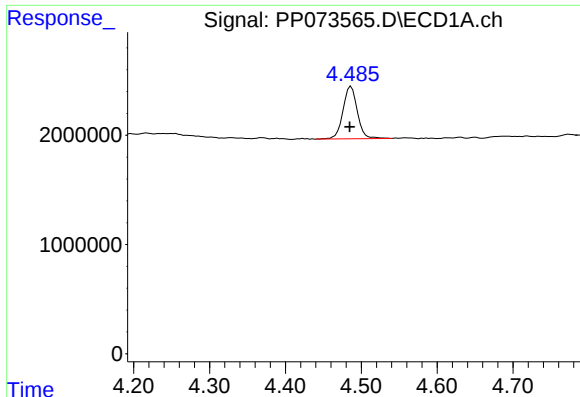
Manual Integrations
APPROVED

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

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

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





#1 Tetrachloro-m-xylene

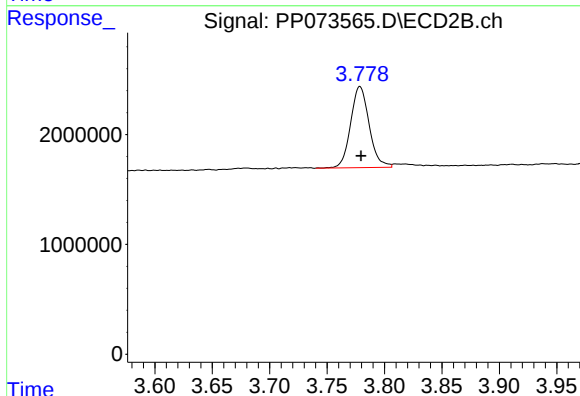
R.T.: 4.487 min
Delta R.T.: 0.002 min
Response: 6312847
Conc: 4.42 ng/ml

ICAL Form

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

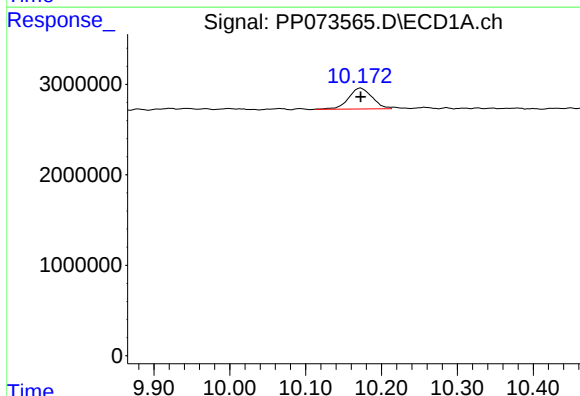
Manual Integrations
APPROVED

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



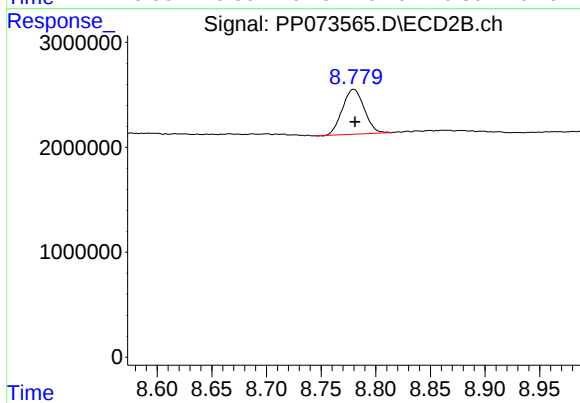
#1 Tetrachloro-m-xylene

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



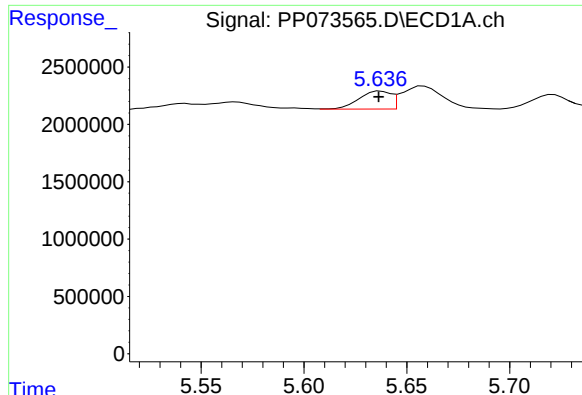
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



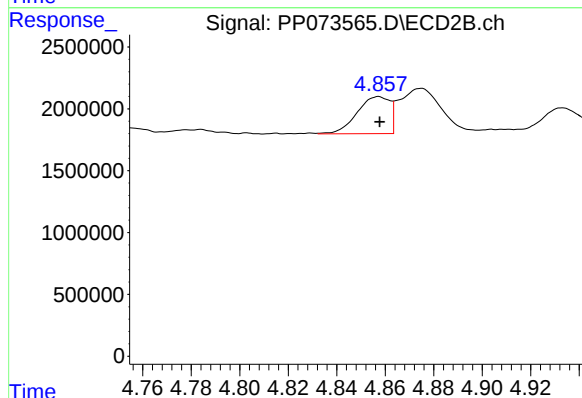
#16 AR-1242-1

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

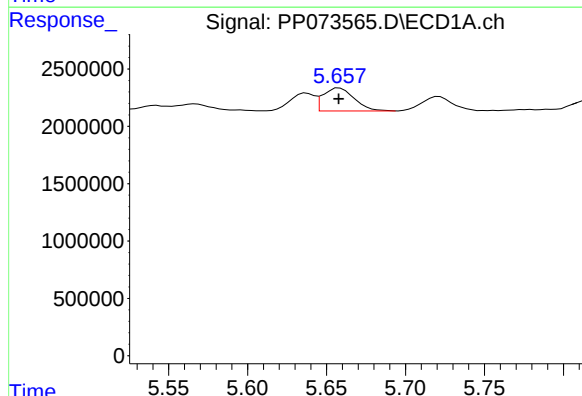
Manual Integrations
APPROVED

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



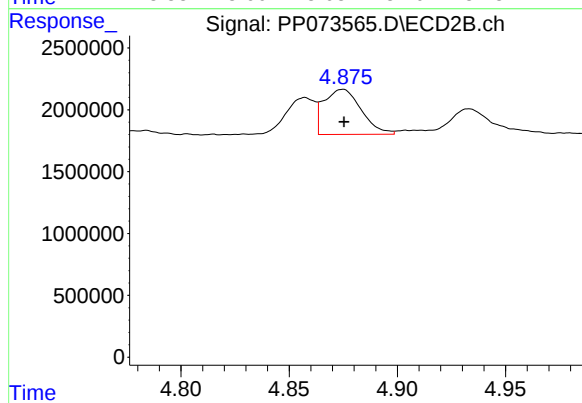
#16 AR-1242-1

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



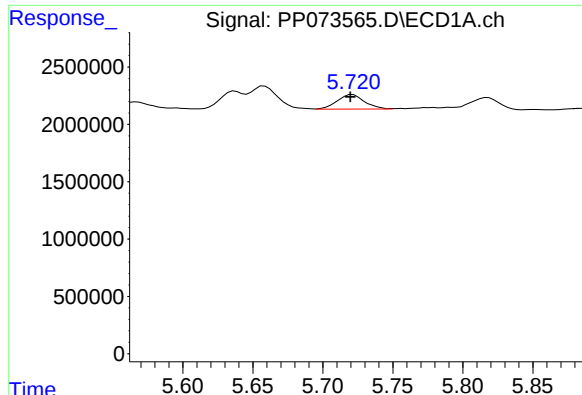
#17 AR-1242-2

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



#17 AR-1242-2

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



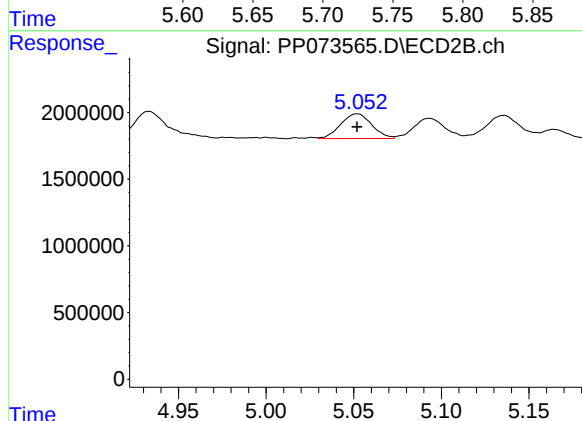
#18 AR-1242-3

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

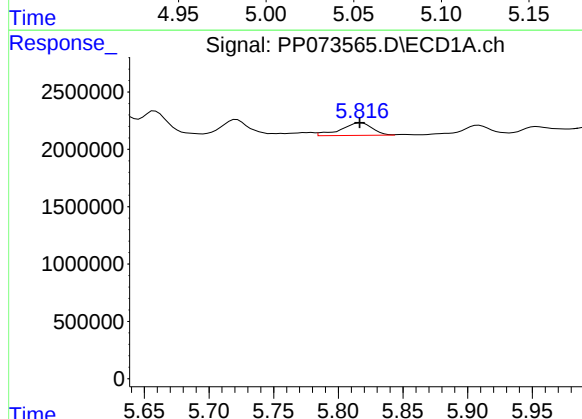
Manual Integrations
APPROVED

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



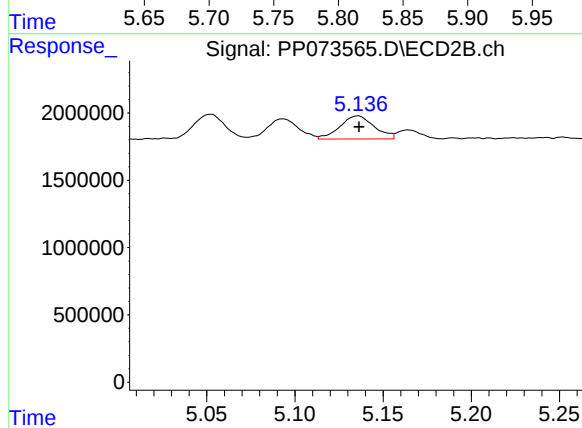
#18 AR-1242-3

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



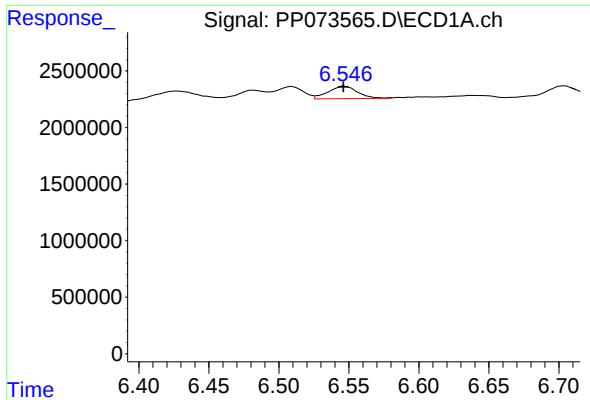
#19 AR-1242-4

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



#19 AR-1242-4

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



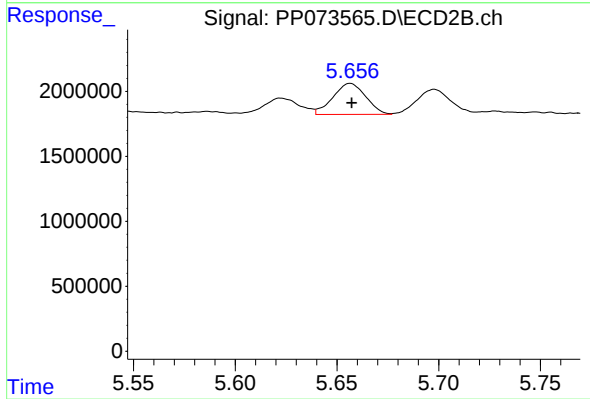
#20 AR-1242-5

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

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

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



#20 AR-1242-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC1000

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

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

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

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

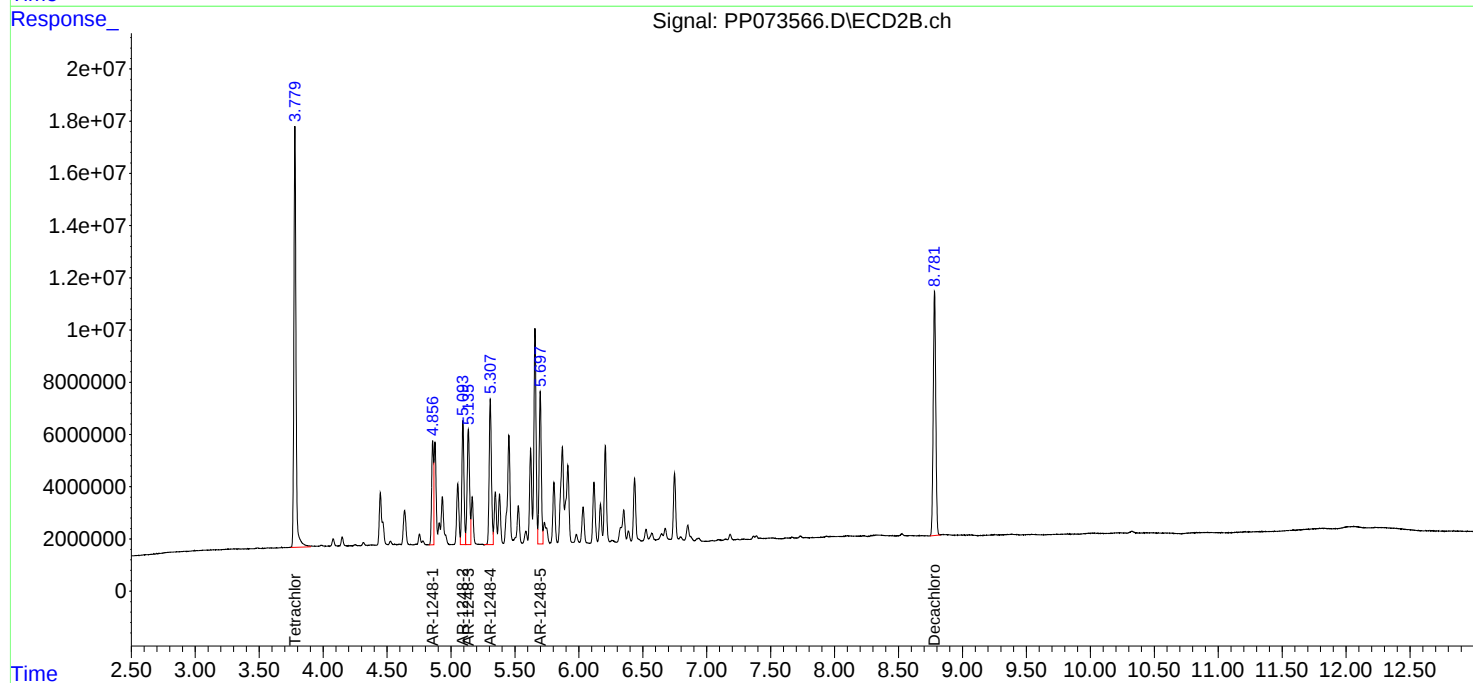
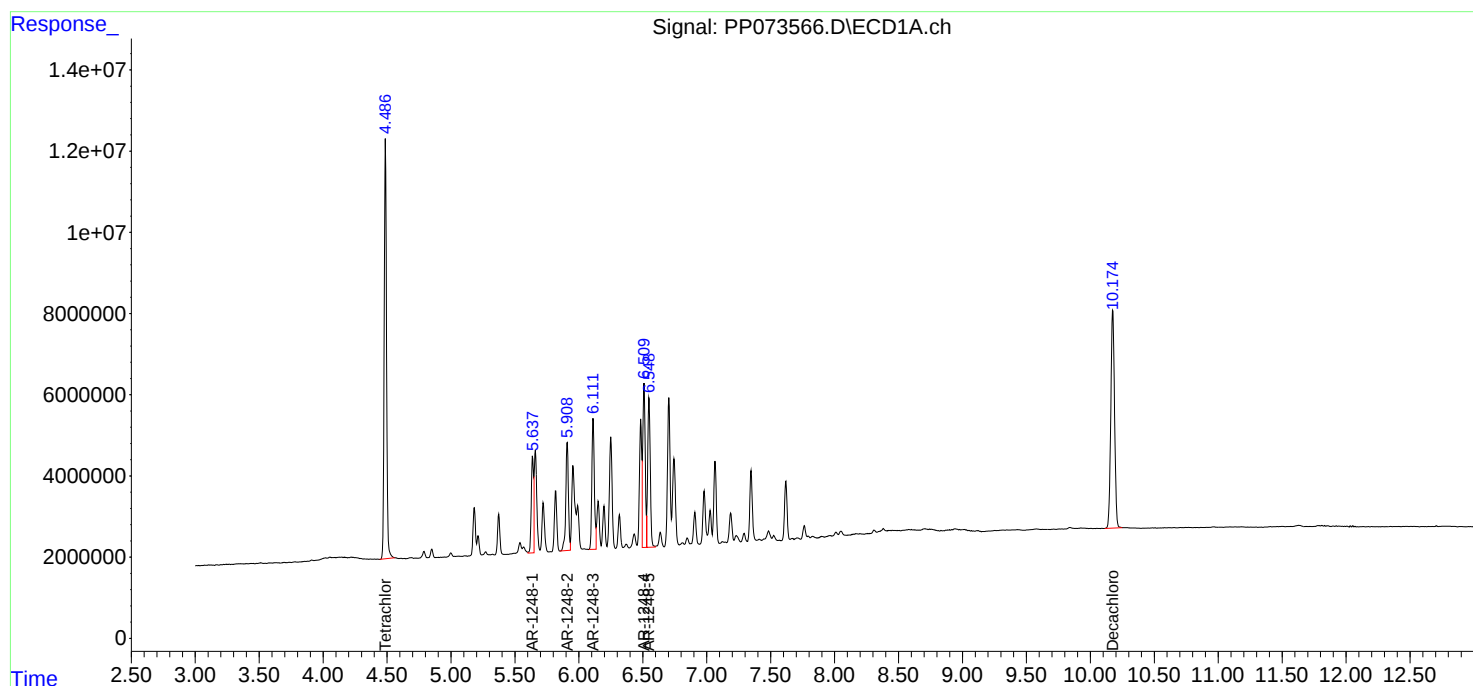
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

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

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



Response_ Signal: PP073566.D\ECD1A.ch

#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Time

Response_ Signal: PP073566.D\ECD2B.ch

#1 Tetrachloro-m-xylene

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

Time

Response_ Signal: PP073566.D\ECD1A.ch

#2 Decachlorobiphenyl

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

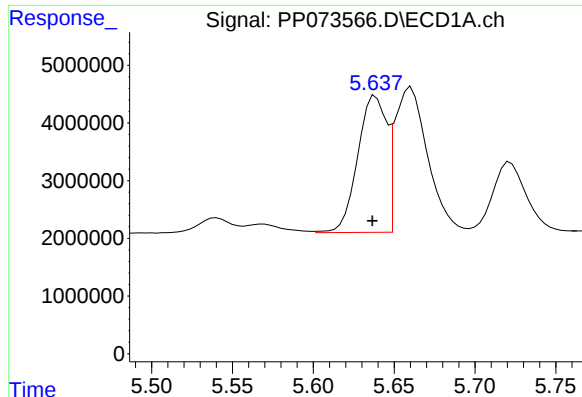
Time

Response_ Signal: PP073566.D\ECD2B.ch

#2 Decachlorobiphenyl

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

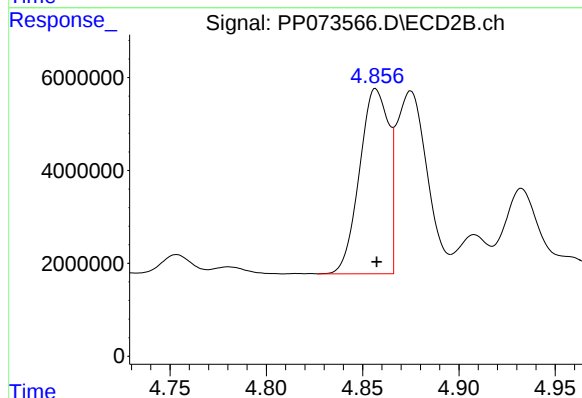
Time



#21 AR-1248-1

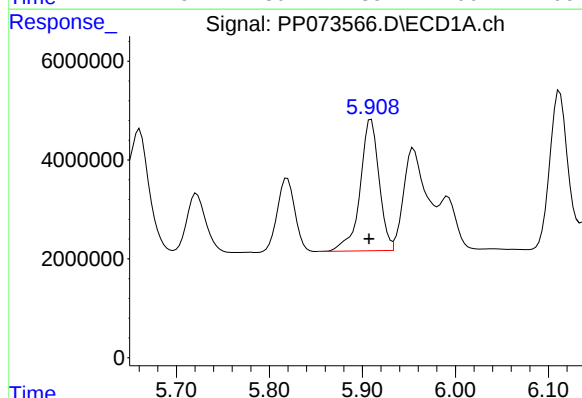
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 29290065
Conc: 931.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



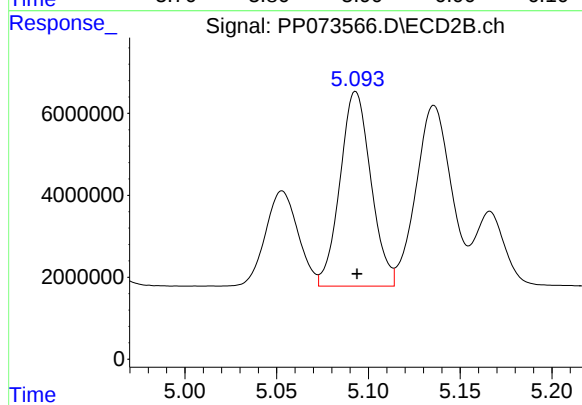
#21 AR-1248-1

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



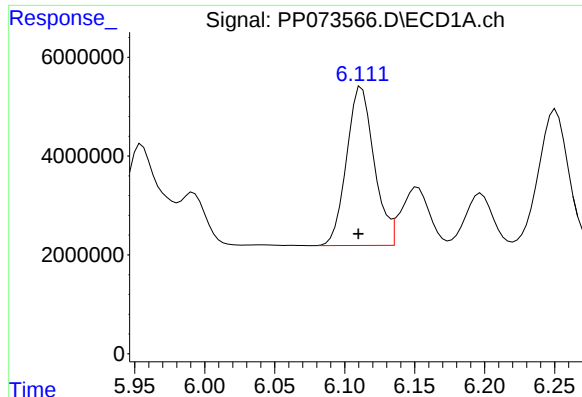
#22 AR-1248-2

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



#22 AR-1248-2

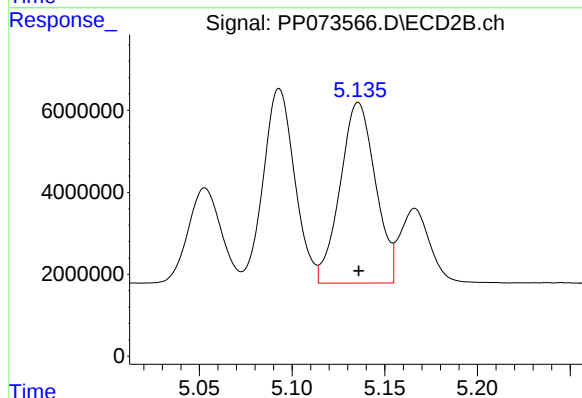
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 55737799
Conc: 900.61 ng/ml



#23 AR-1248-3

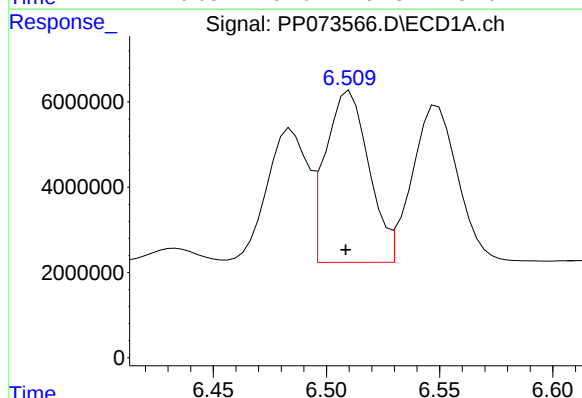
R.T.: 6.112 min
Delta R.T.: 0.002 min
Response: 43927993
Conc: 953.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



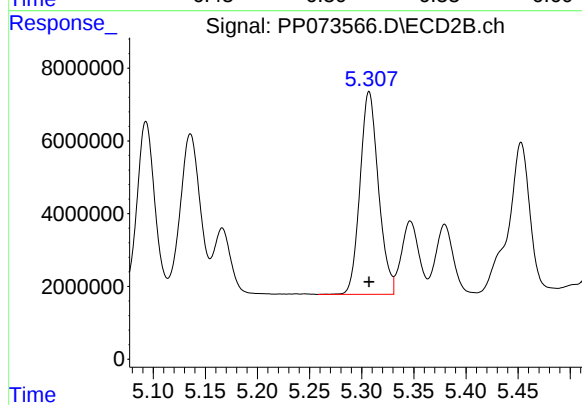
#23 AR-1248-3

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



#24 AR-1248-4

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



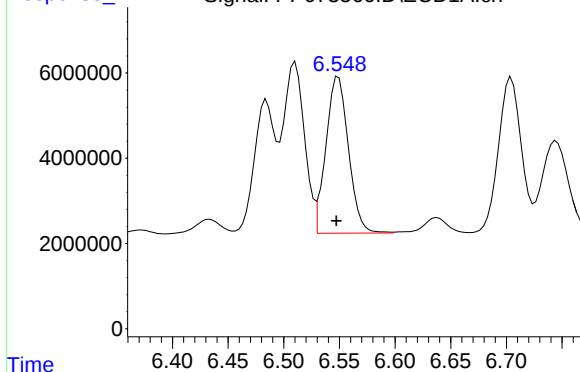
#24 AR-1248-4

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

Response_

Signal: PP073566.D\ECD1A.ch

#25 AR-1248-5



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

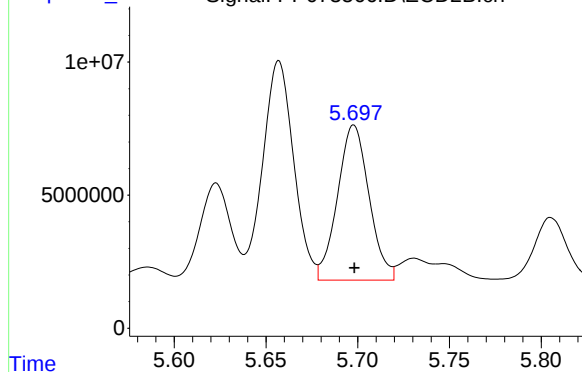
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Time

Response_

Signal: PP073566.D\ECD2B.ch

#25 AR-1248-5



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

Time

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC750

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

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

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

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

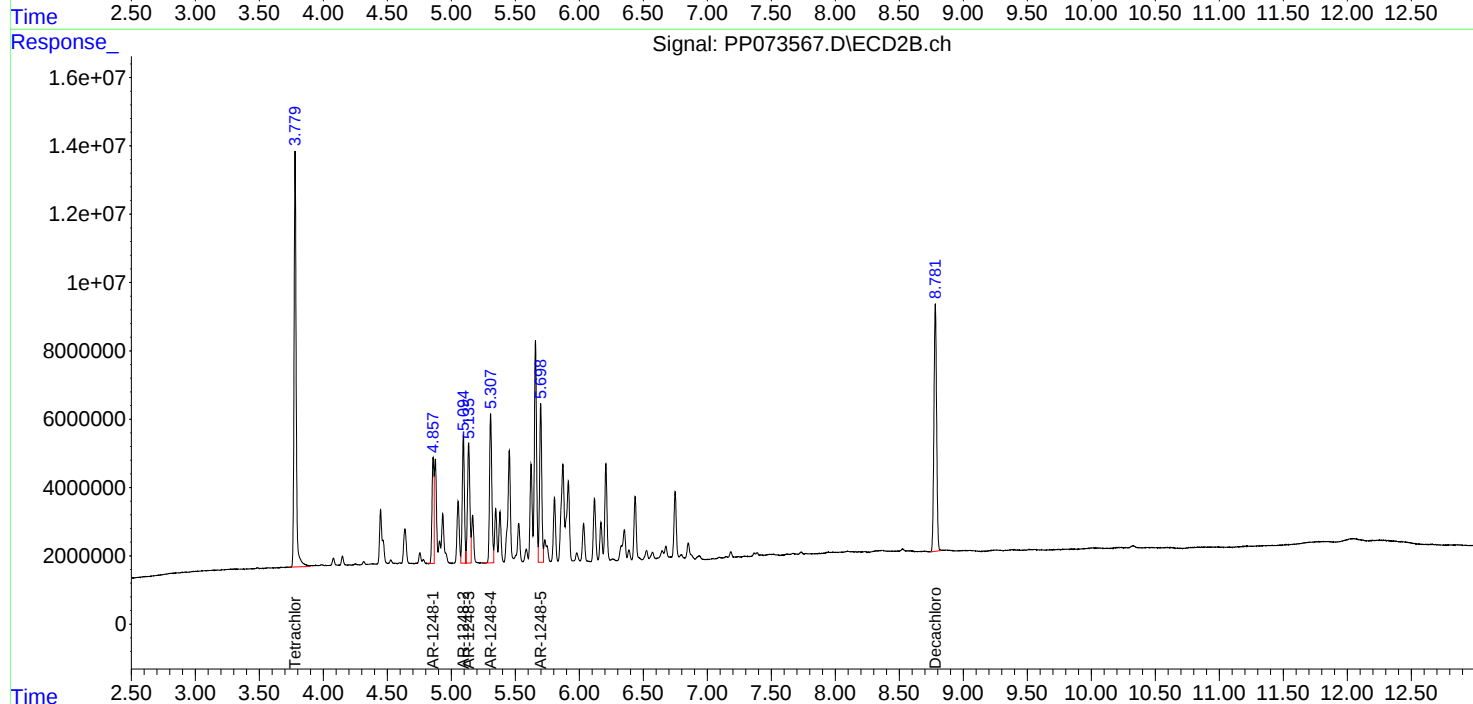
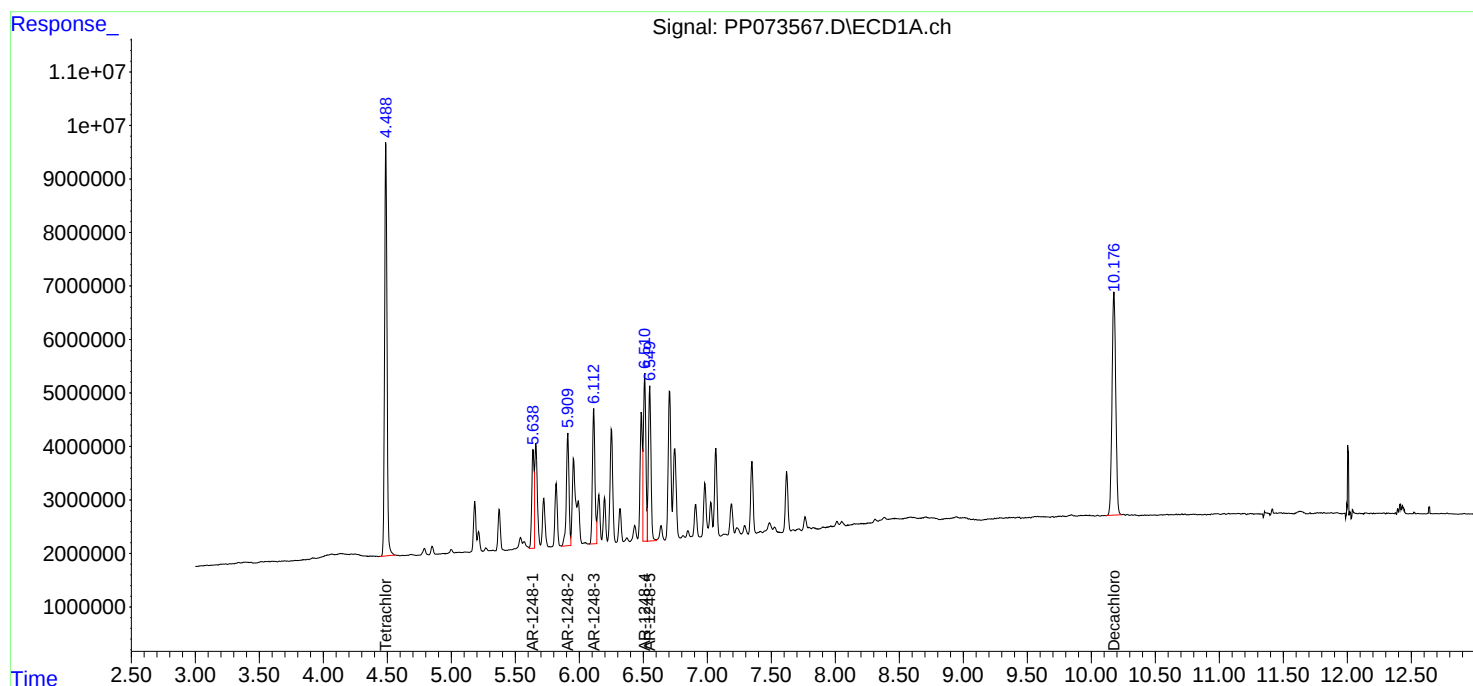
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

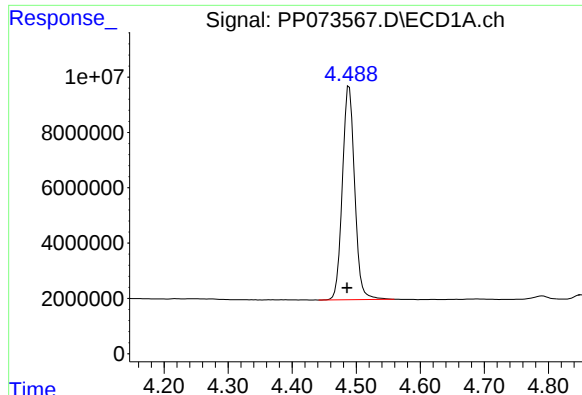
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:35
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

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

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

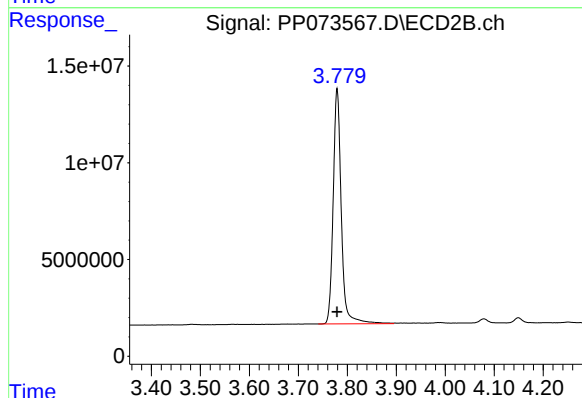




#1 Tetrachloro-m-xylene

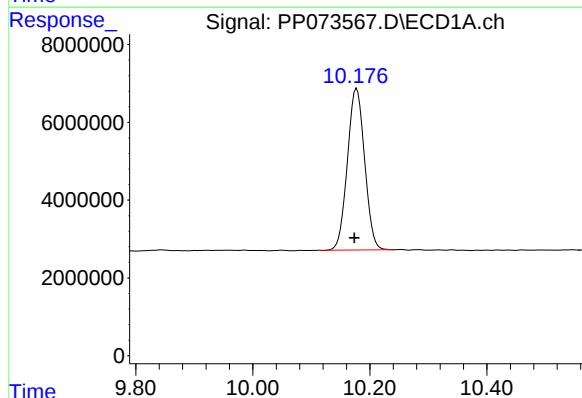
R.T.: 4.489 min
Delta R.T.: 0.003 min
Response: 102849476
Conc: 72.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



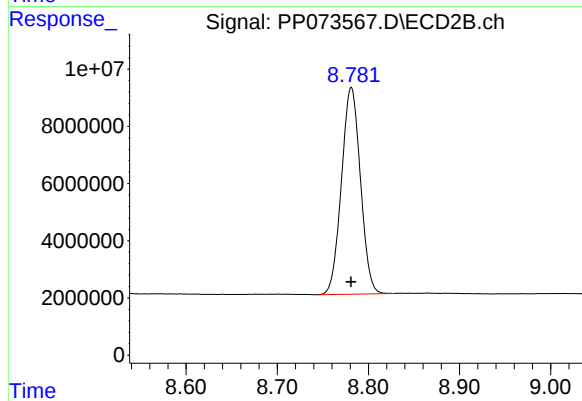
#1 Tetrachloro-m-xylene

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



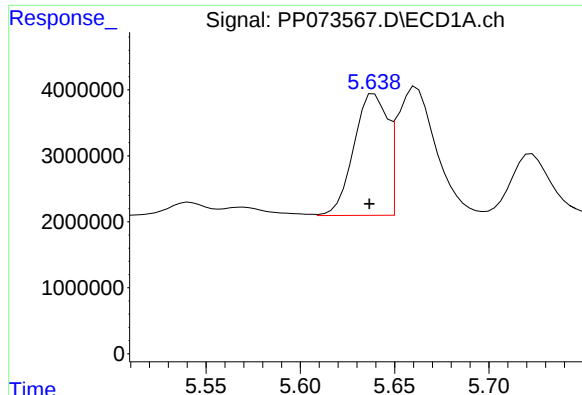
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

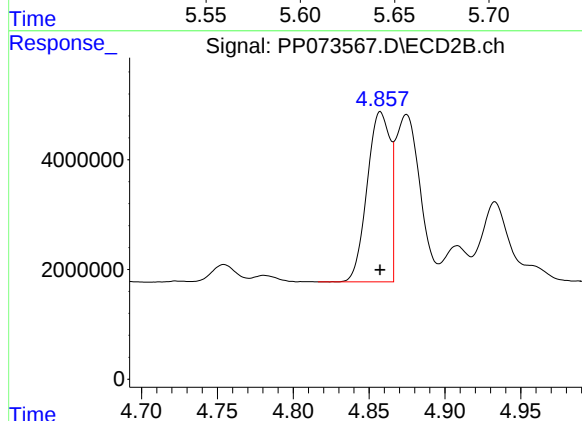
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 104460409
Conc: 76.79 ng/ml



#21 AR-1248-1

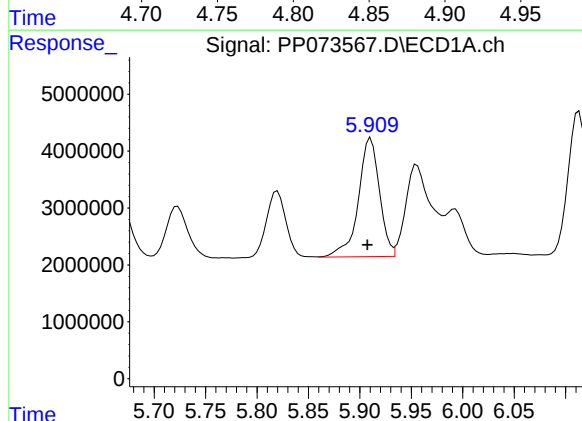
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 22755547
Conc: 723.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



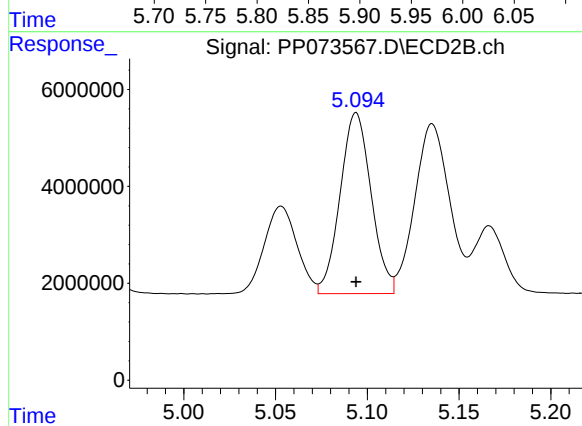
#21 AR-1248-1

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



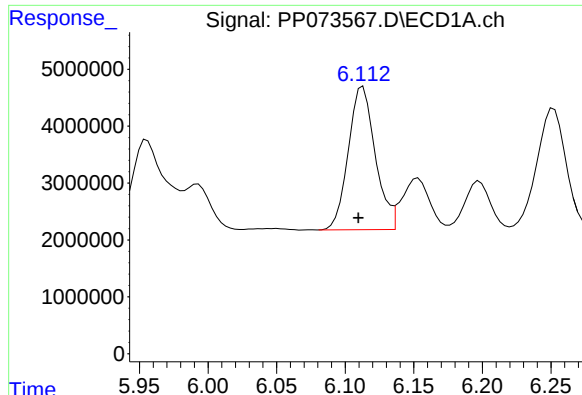
#22 AR-1248-2

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



#22 AR-1248-2

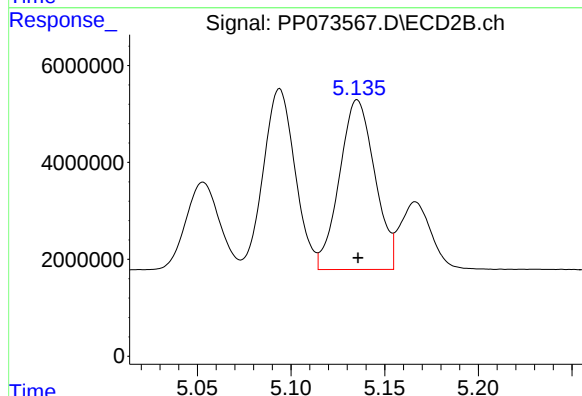
R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 43939758
Conc: 709.98 ng/ml



#23 AR-1248-3

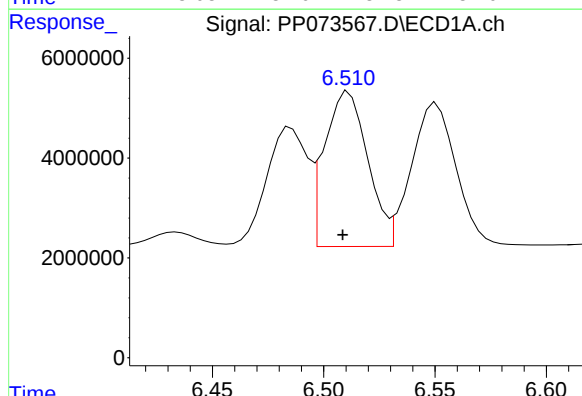
R.T.: 6.113 min
Delta R.T.: 0.003 min
Response: 34385217
Conc: 746.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



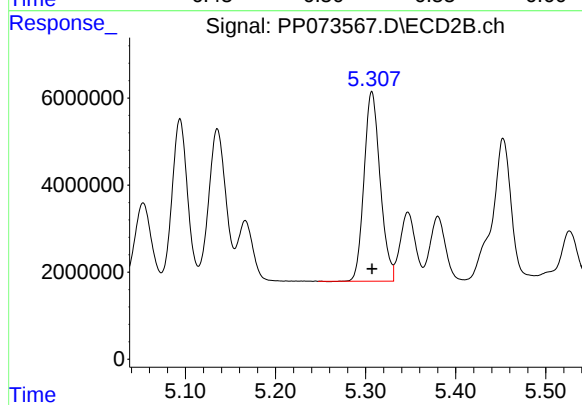
#23 AR-1248-3

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



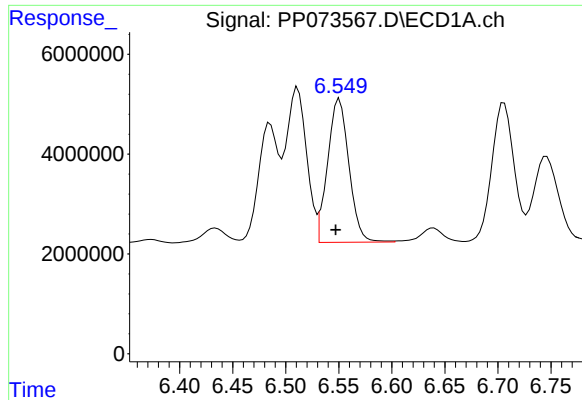
#24 AR-1248-4

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



#24 AR-1248-4

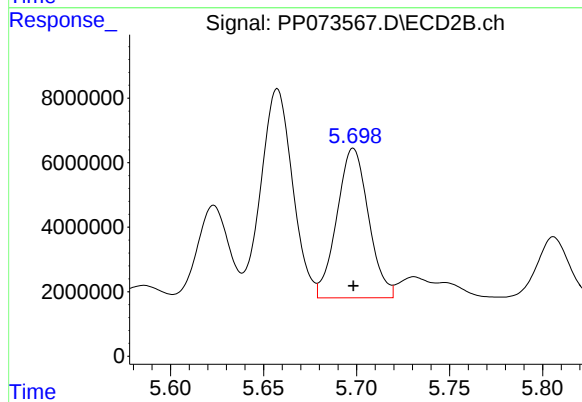
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 54019844
Conc: 717.32 ng/ml



#25 AR-1248-5

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC500

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

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

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

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

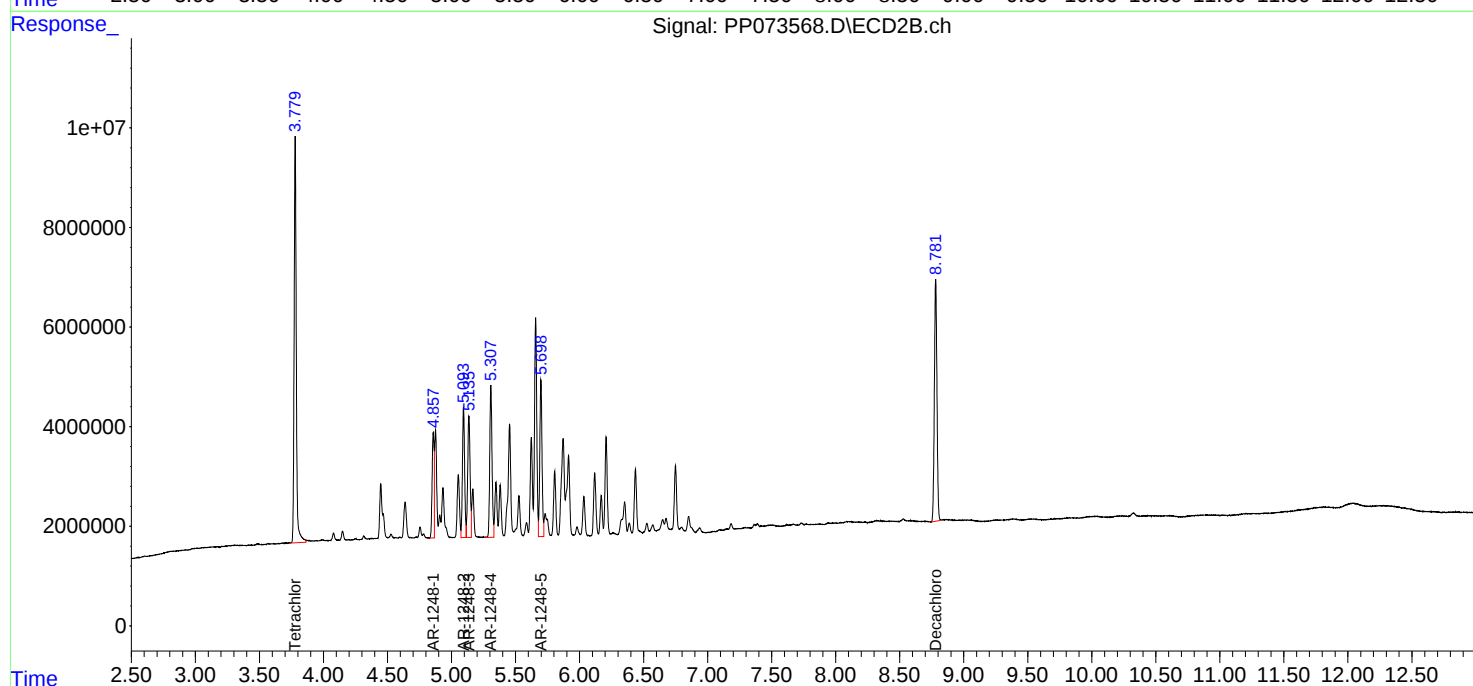
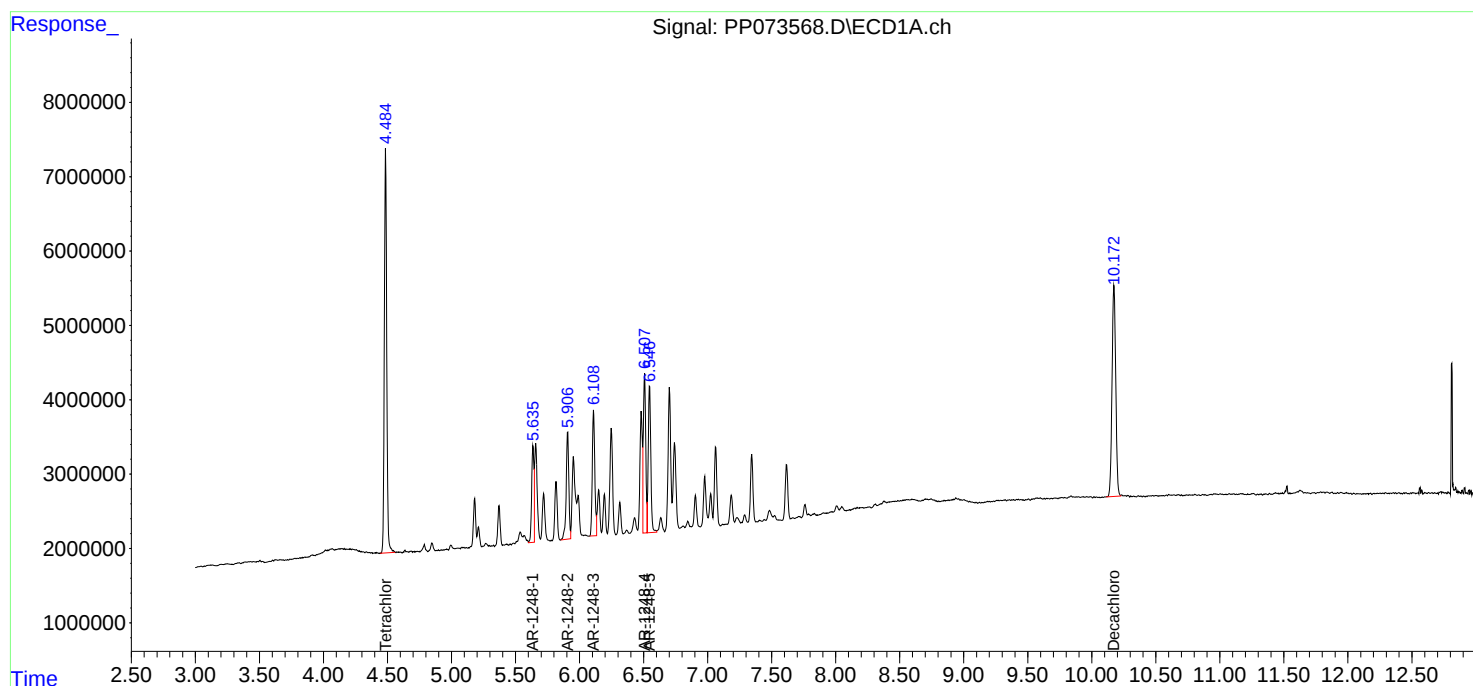
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

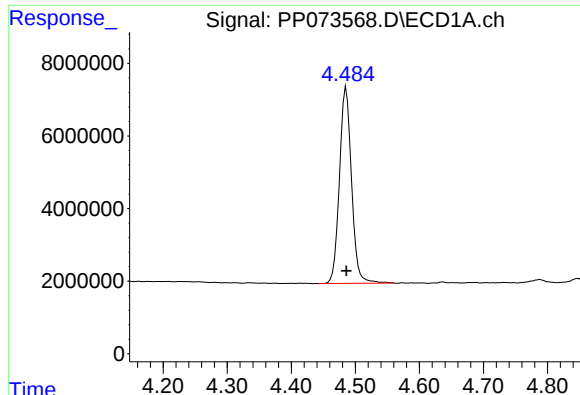
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 00:52
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

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

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

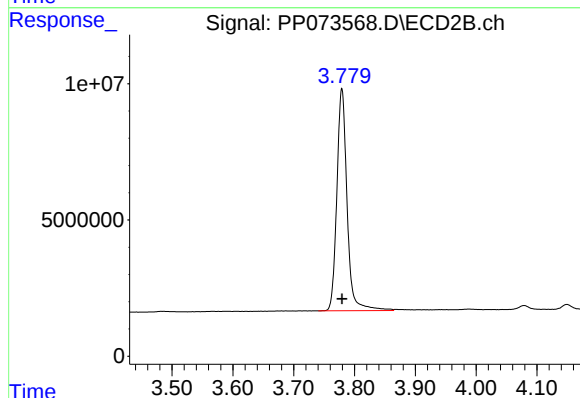




#1 Tetrachloro-m-xylene

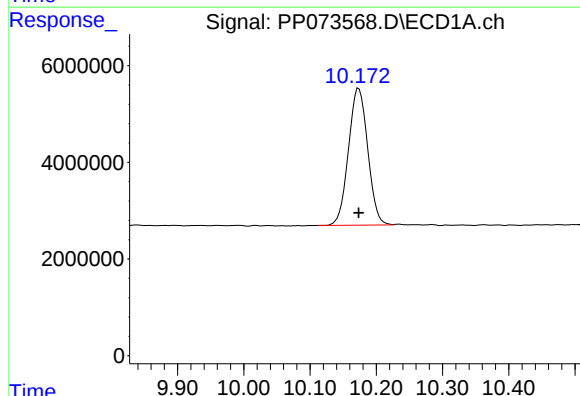
R.T.: 4.486 min
Delta R.T.: 0.000 min
Response: 70771652
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



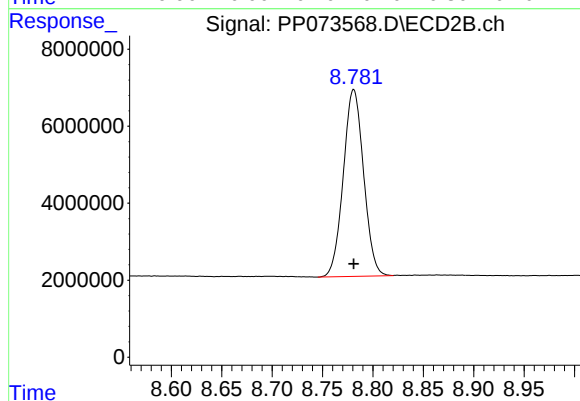
#1 Tetrachloro-m-xylene

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



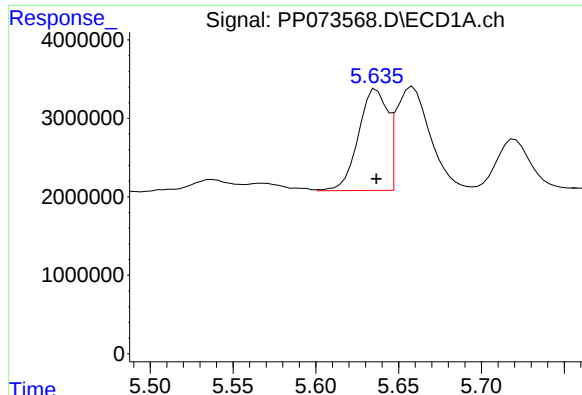
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

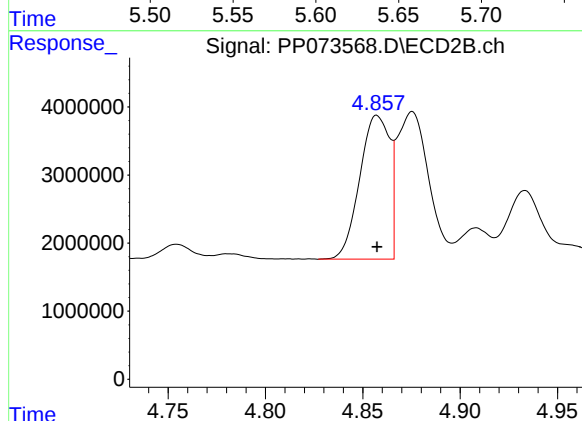
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 68017781
Conc: 50.00 ng/ml



#21 AR-1248-1

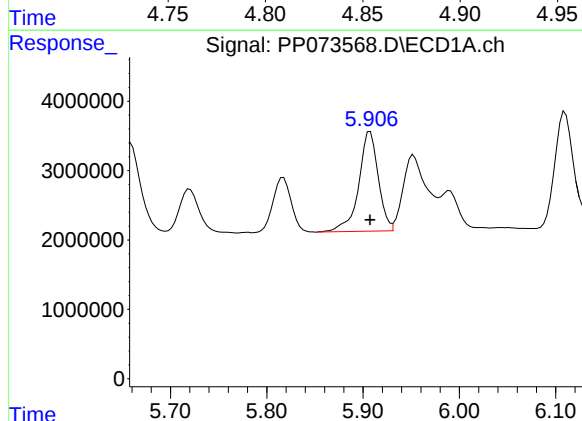
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 15729968
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



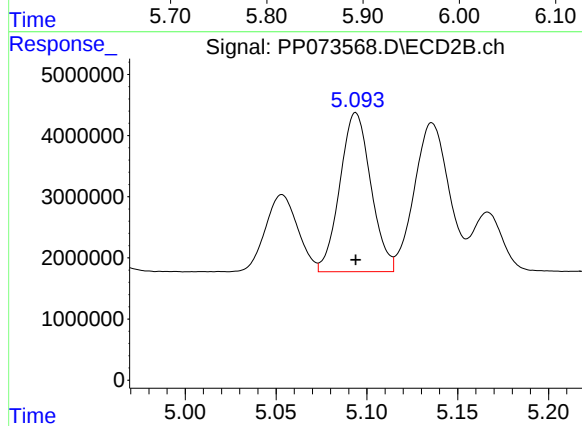
#21 AR-1248-1

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



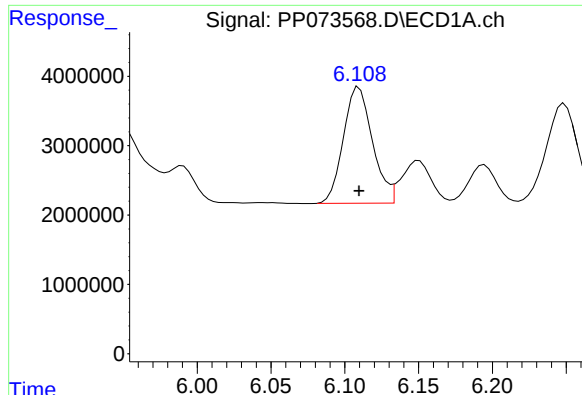
#22 AR-1248-2

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



#22 AR-1248-2

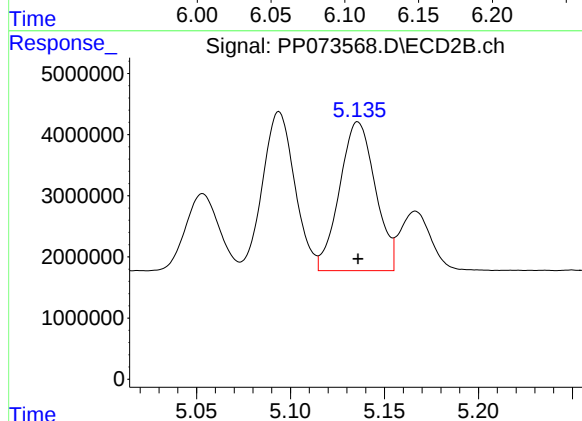
R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 30944510
Conc: 500.00 ng/ml



#23 AR-1248-3

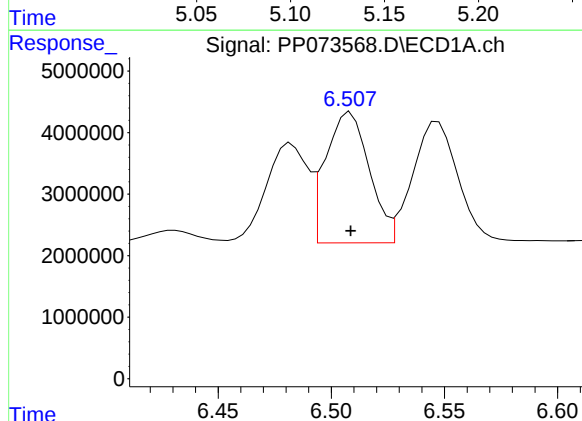
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 23037645
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



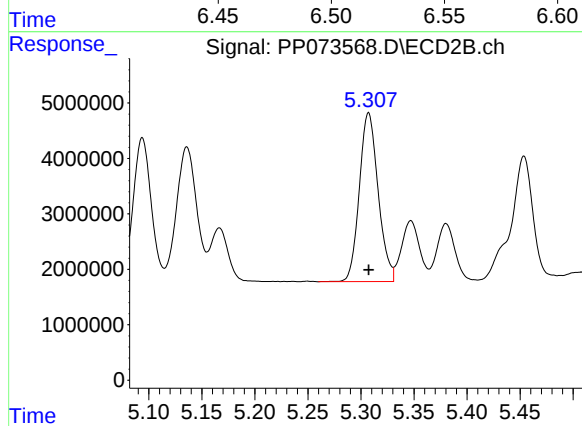
#23 AR-1248-3

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



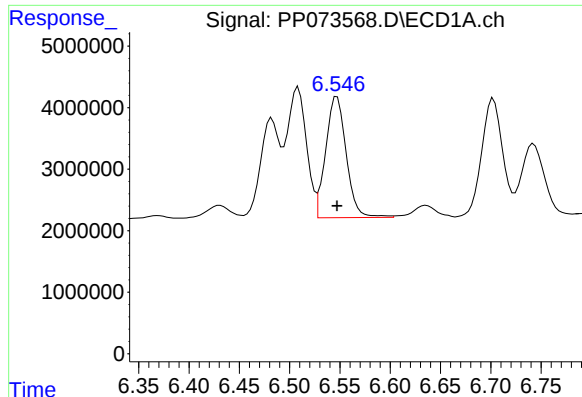
#24 AR-1248-4

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



#24 AR-1248-4

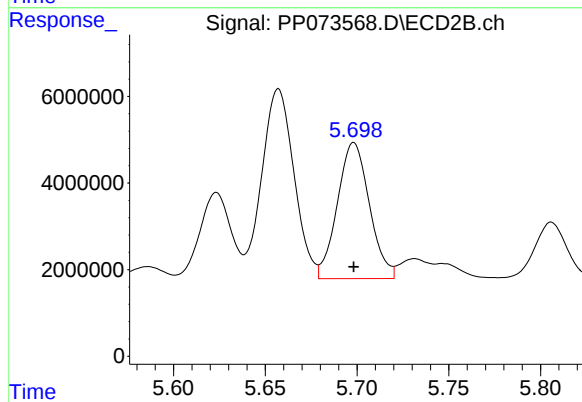
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 37654186
Conc: 500.00 ng/ml



#25 AR-1248-5

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC250

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

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

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

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

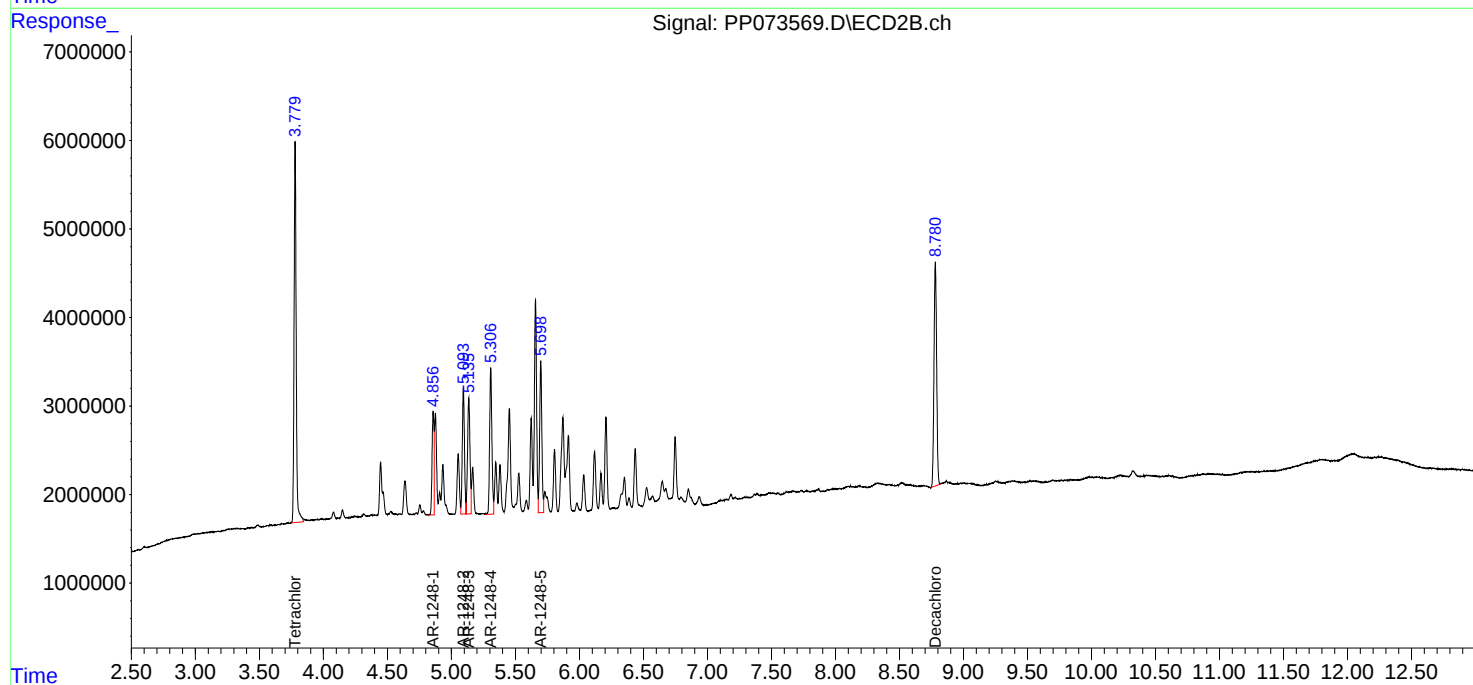
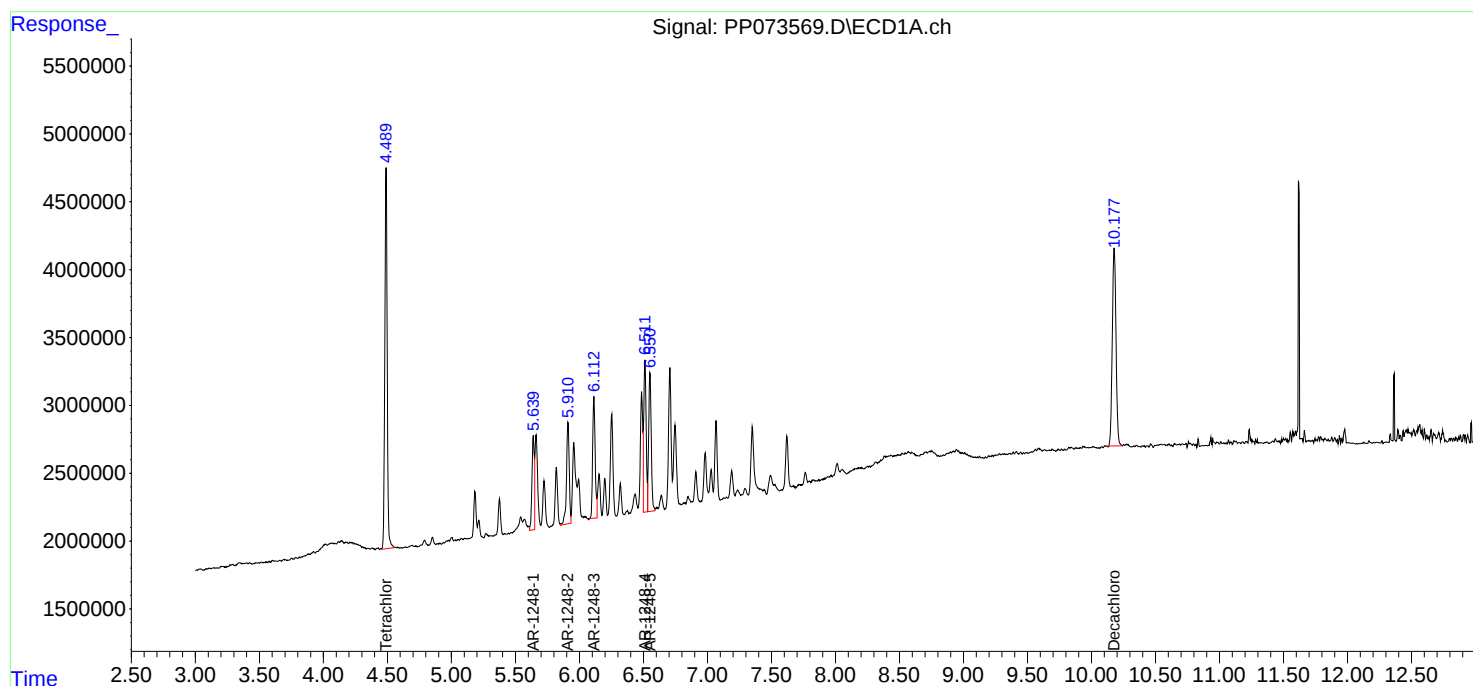
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

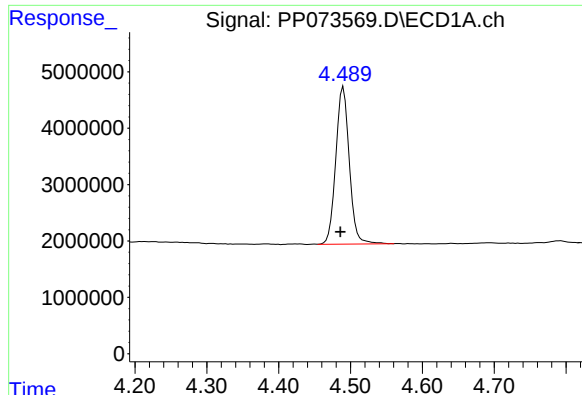
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 01:08
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

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

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

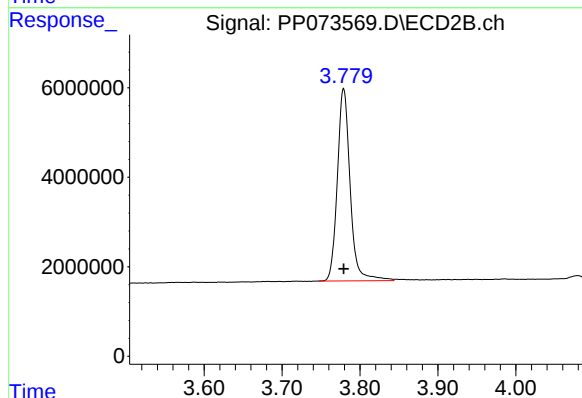




#1 Tetrachloro-m-xylene

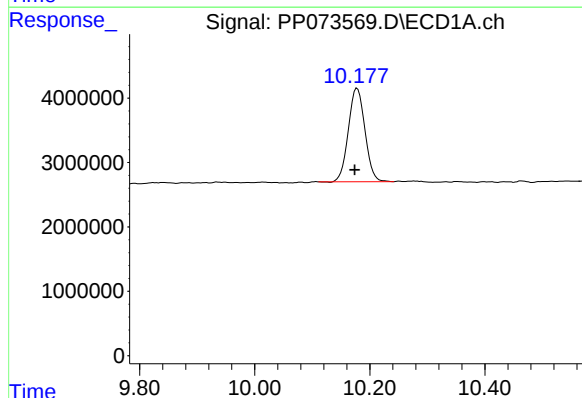
R.T.: 4.490 min
Delta R.T.: 0.004 min
Response: 36421864
Conc: 25.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



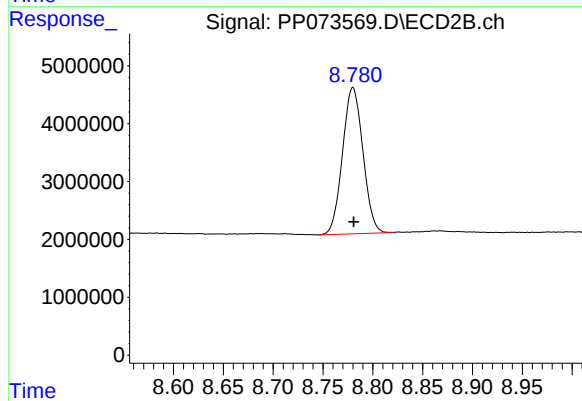
#1 Tetrachloro-m-xylene

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



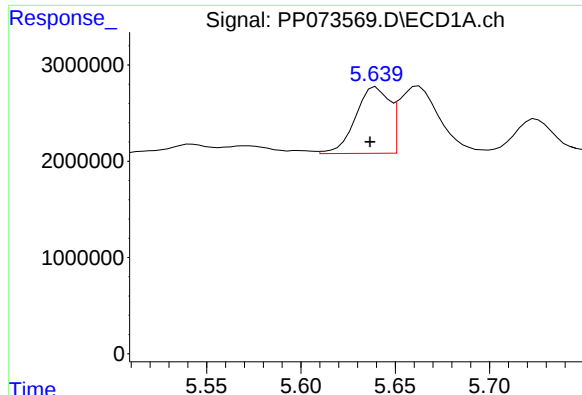
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

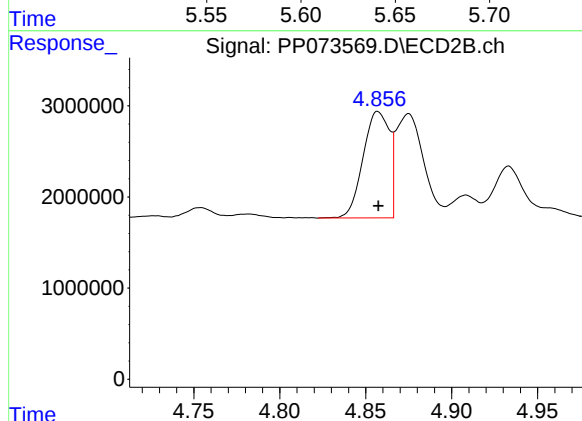
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 36021021
Conc: 26.48 ng/ml



#21 AR-1248-1

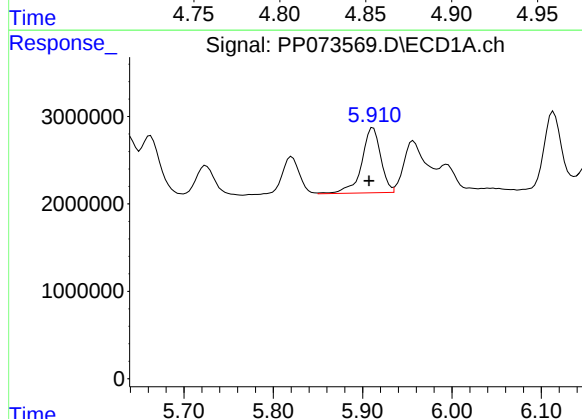
R.T.: 5.640 min
Delta R.T.: 0.003 min
Response: 8580276
Conc: 272.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



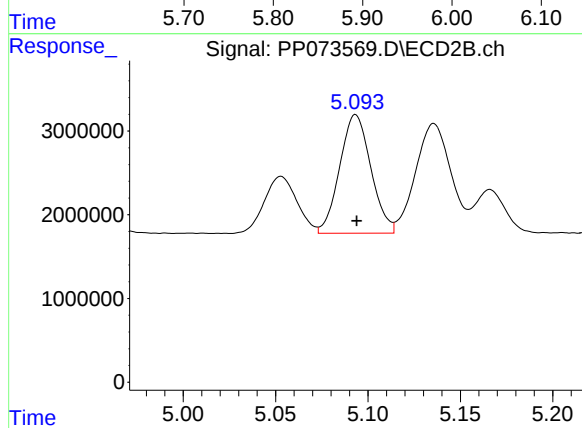
#21 AR-1248-1

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



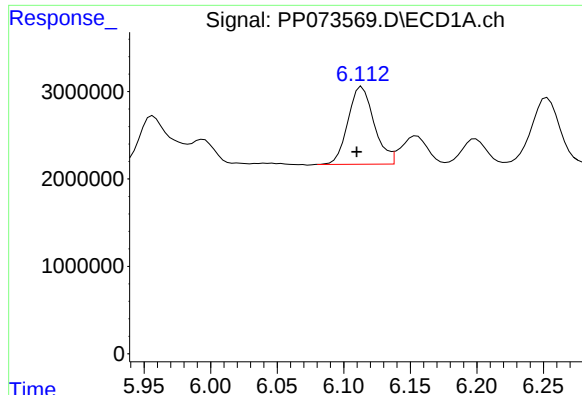
#22 AR-1248-2

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



#22 AR-1248-2

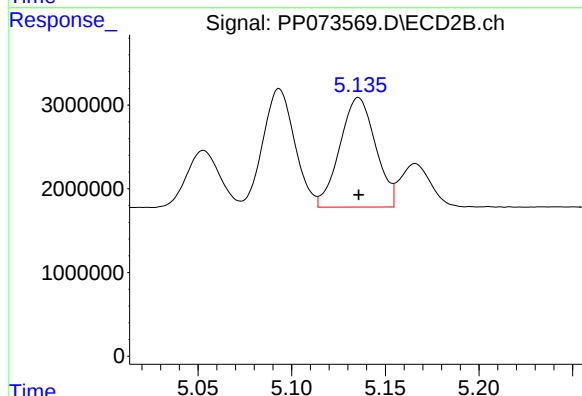
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 16676734
Conc: 269.46 ng/ml



#23 AR-1248-3

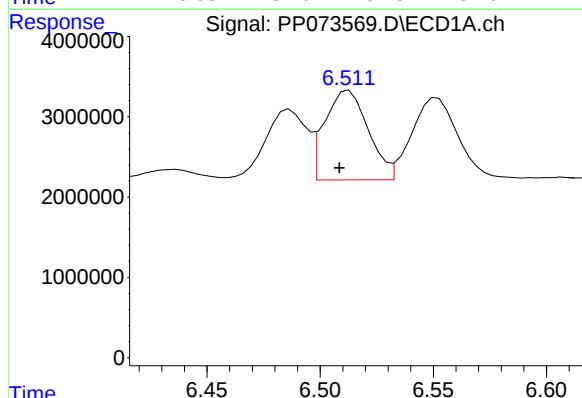
R.T.: 6.114 min
Delta R.T.: 0.004 min
Response: 12142276
Conc: 263.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



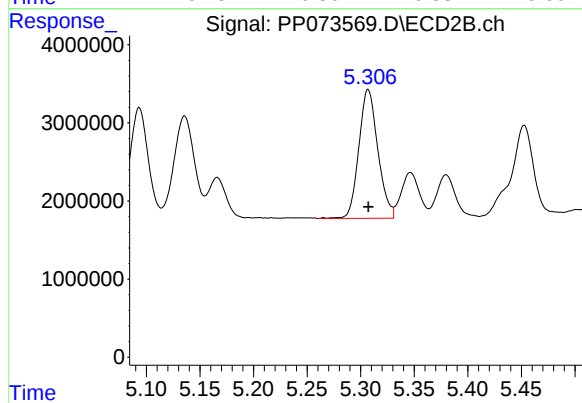
#23 AR-1248-3

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



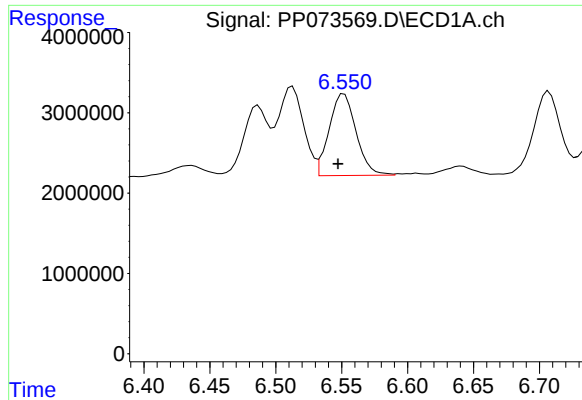
#24 AR-1248-4

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



#24 AR-1248-4

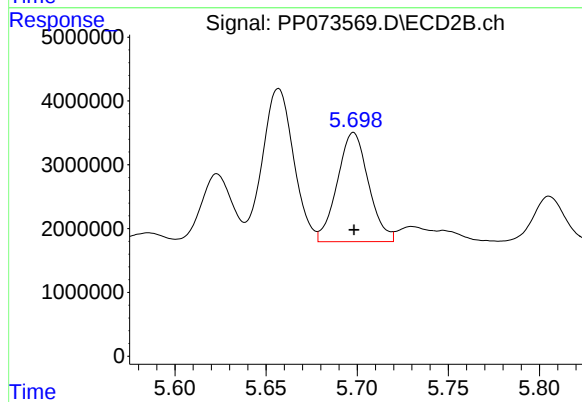
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 20433630
Conc: 271.33 ng/ml



#25 AR-1248-5

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC050

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

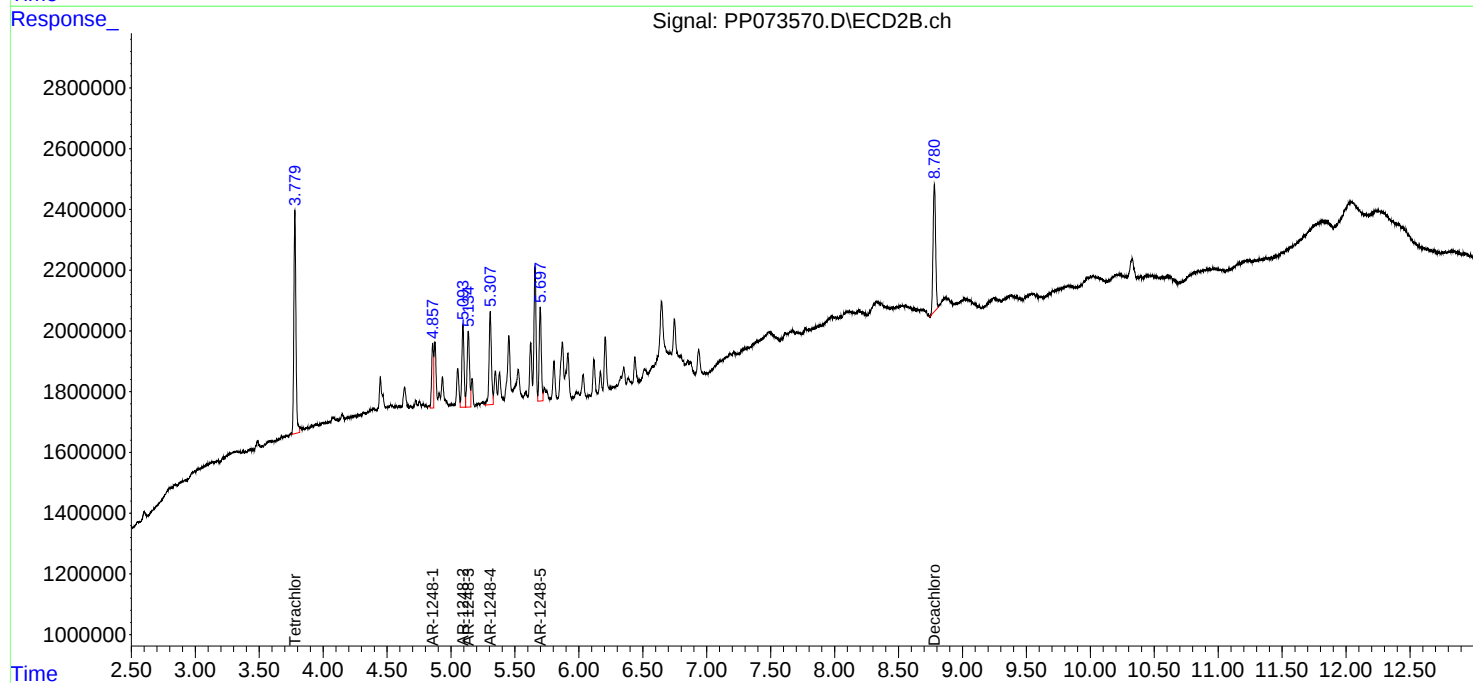
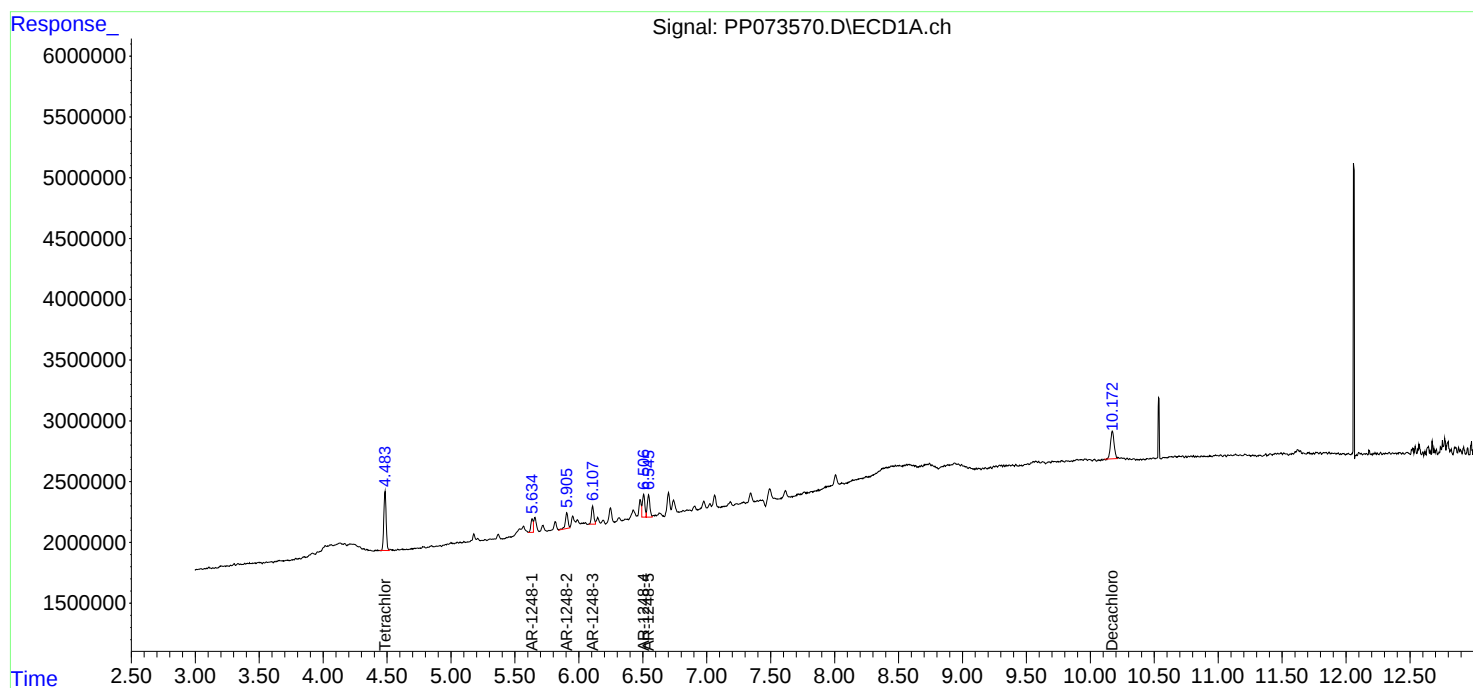
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

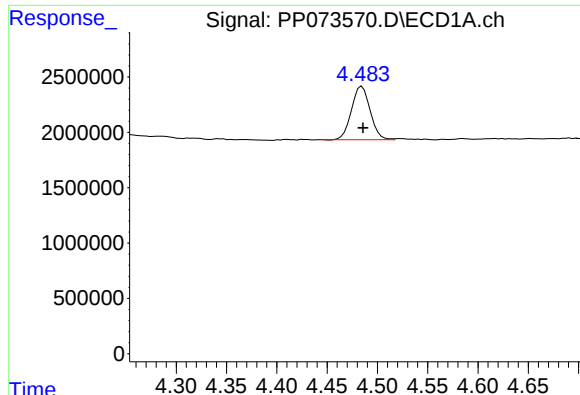
Manual Integrations
APPROVED

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

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

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





#1 Tetrachloro-m-xylene

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

Instrument :

ECD_P

ClientSampleId :

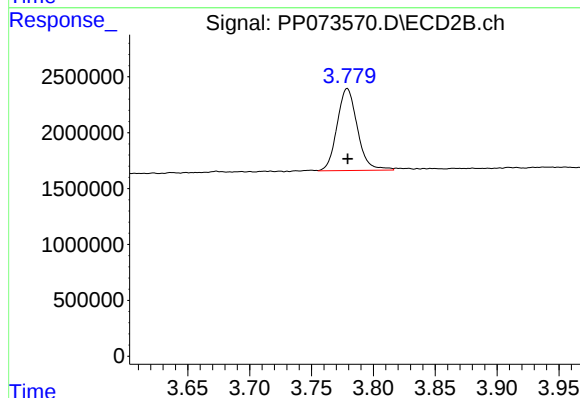
AR1248ICC050

Manual Integrations

APPROVED

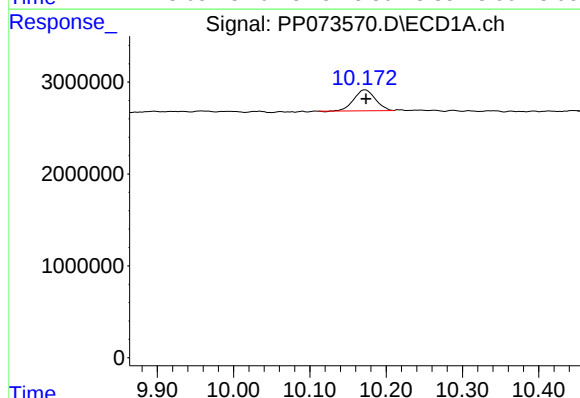
Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/09/2025



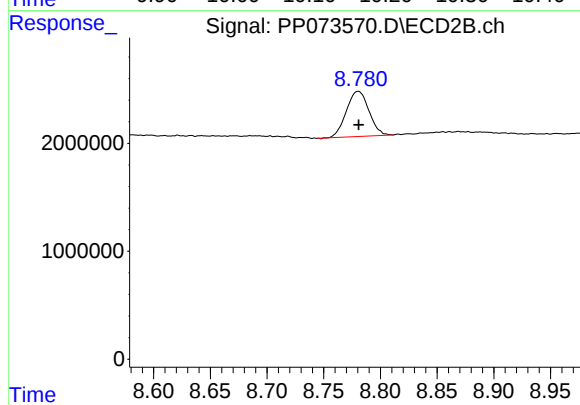
#1 Tetrachloro-m-xylene

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



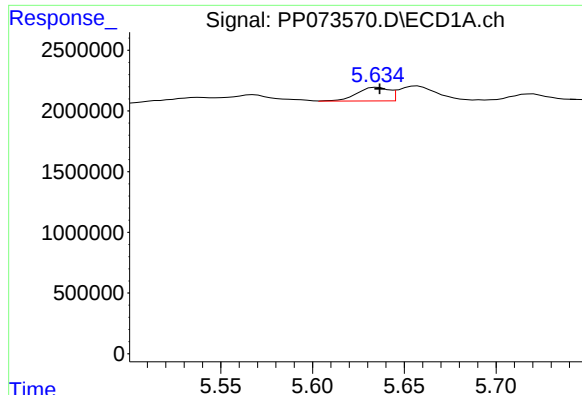
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



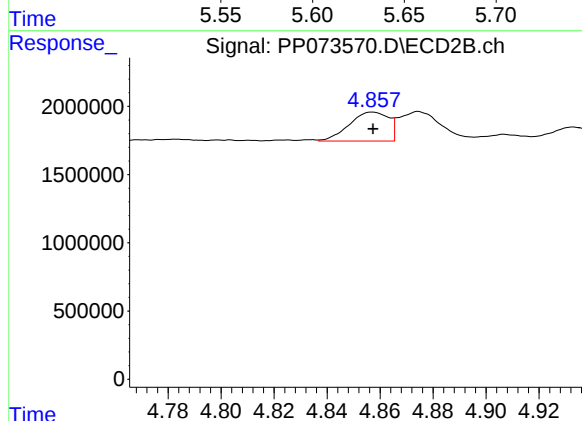
#21 AR-1248-1

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

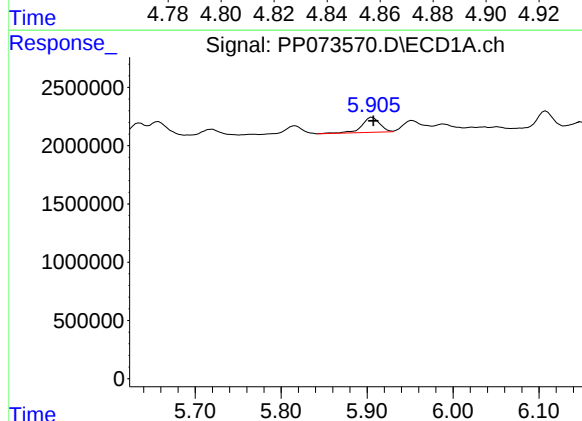
Manual Integrations
APPROVED

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



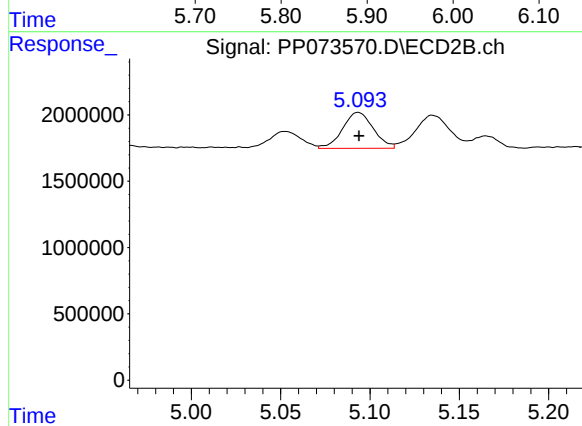
#21 AR-1248-1

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



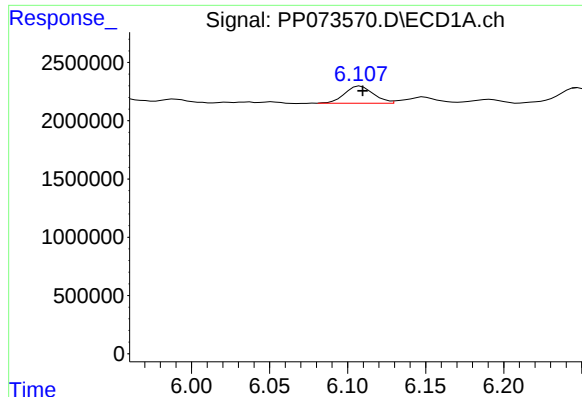
#22 AR-1248-2

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



#22 AR-1248-2

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



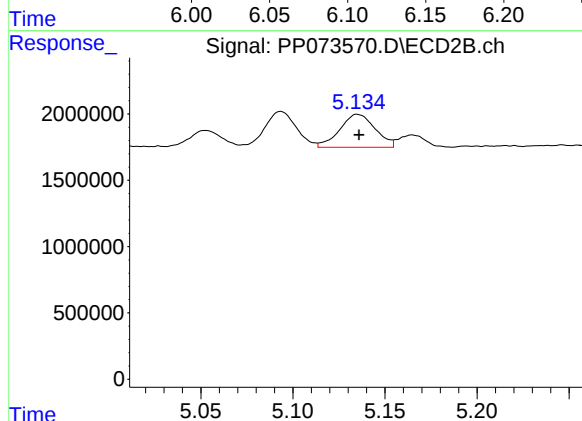
#23 AR-1248-3

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

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

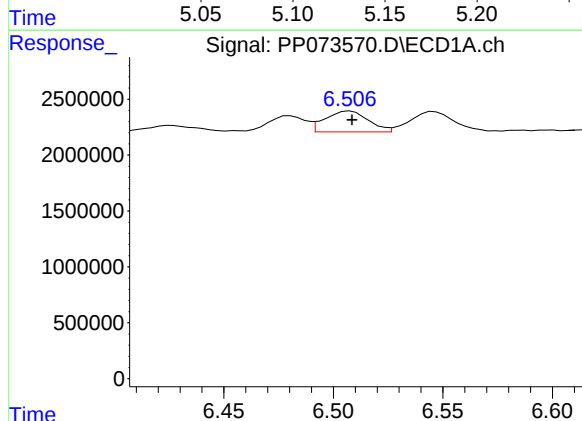
Manual Integrations
APPROVED

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



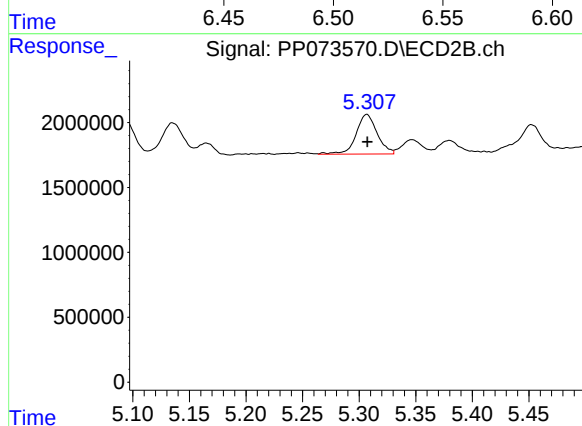
#23 AR-1248-3

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



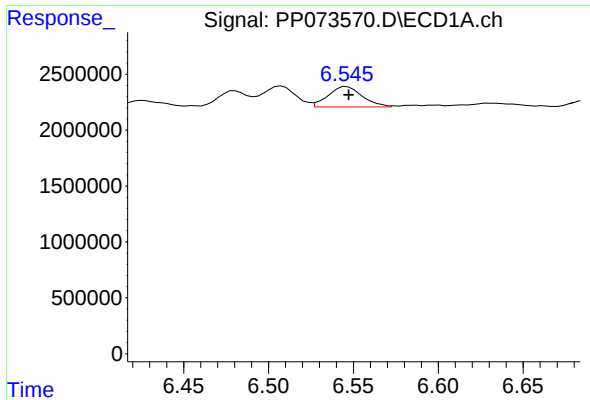
#24 AR-1248-4

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



#24 AR-1248-4

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



#25 AR-1248-5

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

Instrument :

ECD_P

ClientSampleId :

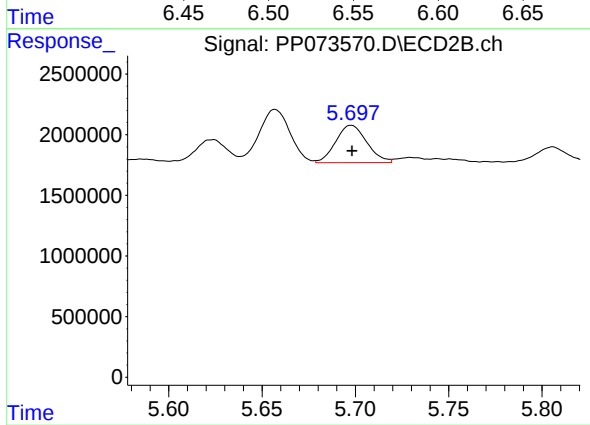
AR1248ICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/09/2025



#25 AR-1248-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC1000

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.489	3.780	135.2E6	181.0E6	96.465	95.662
2) SA Decachlor...	10.177	8.782	110.7E6	134.8E6	96.695	98.240
Target Compounds						
26) L6 AR-1254-1	6.487	5.658	50900598	105.4E6	921.959	938.043
27) L6 AR-1254-2	6.703	5.806	77237012	90612135	935.764	943.093
28) L6 AR-1254-3	7.066	6.207	83677544	142.5E6	945.590	936.990
29) L6 AR-1254-4	7.348	6.436	74438148	86996505	935.246	922.052
30) L6 AR-1254-5	7.764	6.851	71888659	123.6E6	963.395	945.380

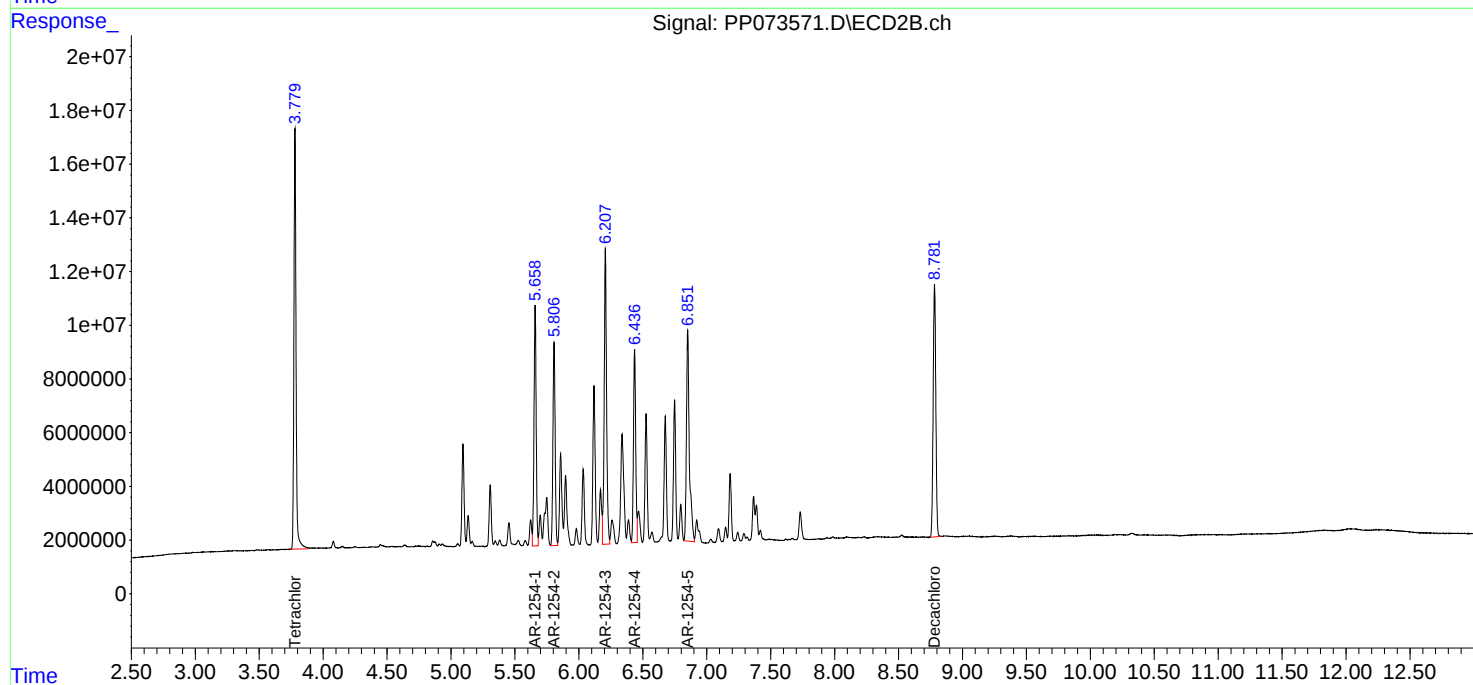
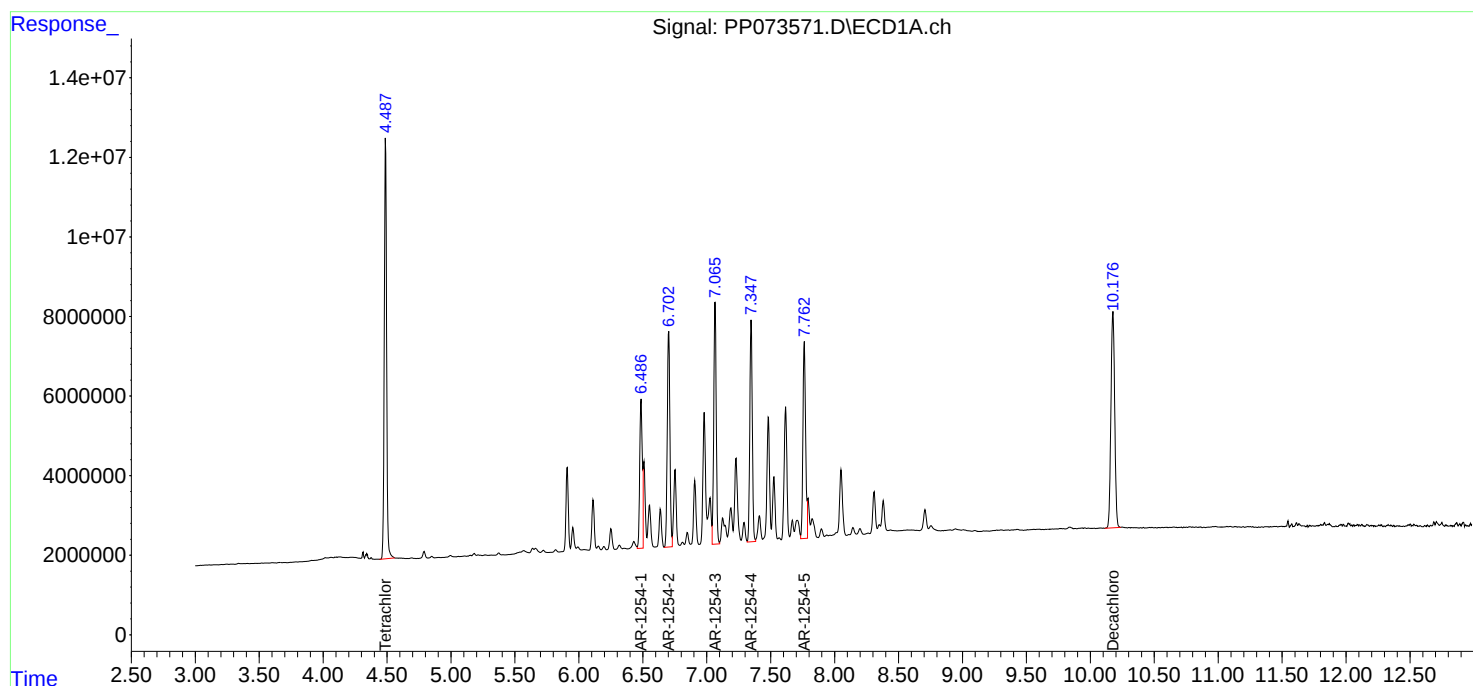
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

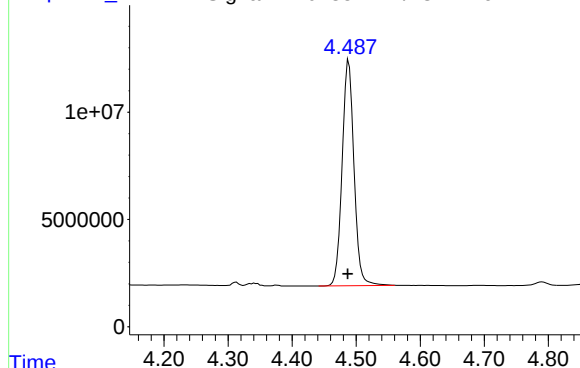
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

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

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



Response_ Signal: PP073571.D\ECD1A.ch

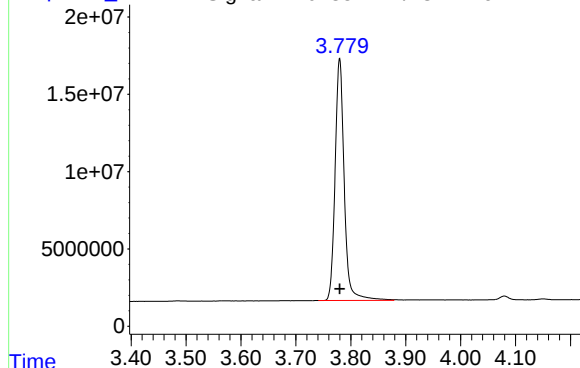


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

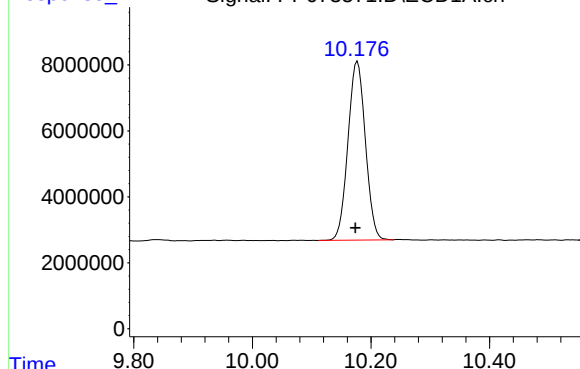
Time Response_ Signal: PP073571.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

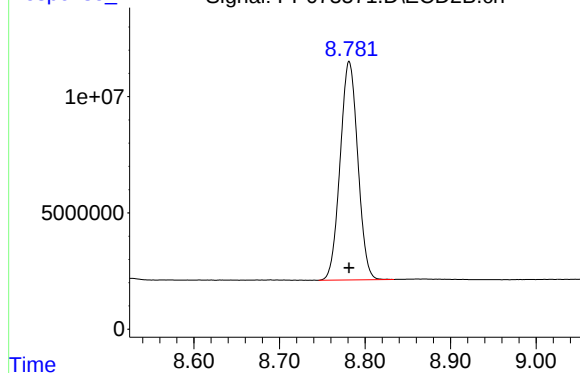
Time Response_ Signal: PP073571.D\ECD1A.ch



#2 Decachlorobiphenyl

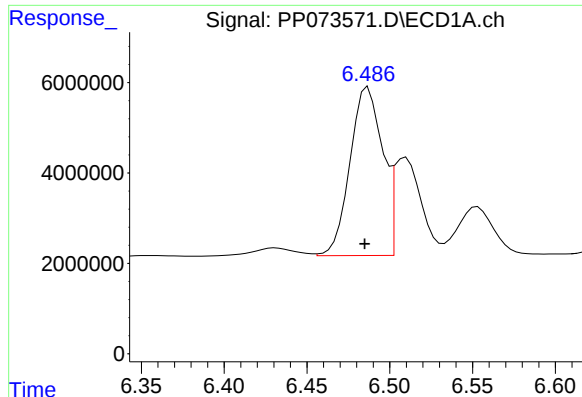
R.T.: 10.177 min
Delta R.T.: 0.003 min
Response: 110743925
Conc: 96.70 ng/ml

Time Response_ Signal: PP073571.D\ECD2B.ch



#2 Decachlorobiphenyl

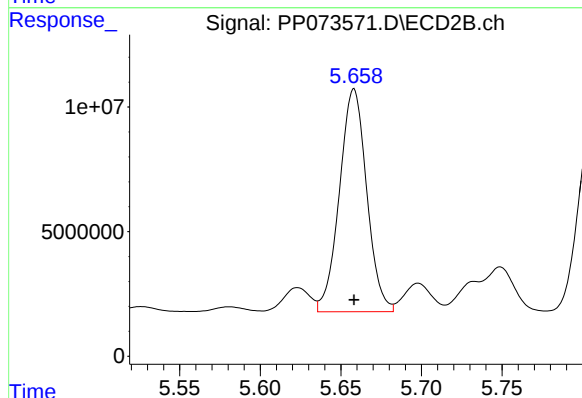
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 134819228
Conc: 98.24 ng/ml



#26 AR-1254-1

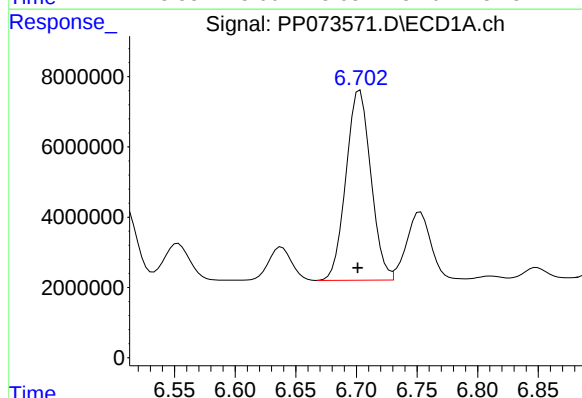
R.T.: 6.487 min
Delta R.T.: 0.002 min
Response: 50900598
Conc: 921.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



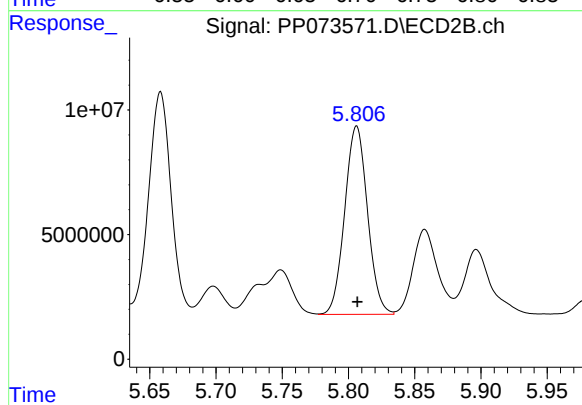
#26 AR-1254-1

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



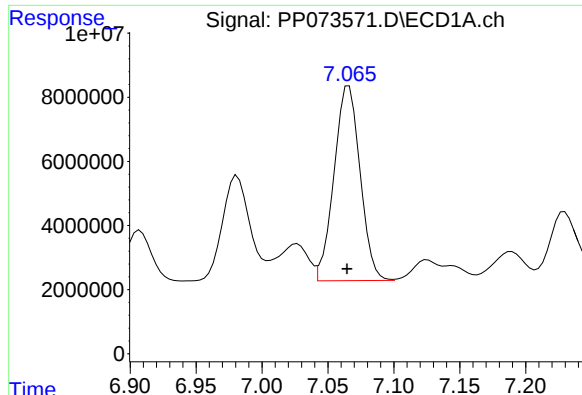
#27 AR-1254-2

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



#27 AR-1254-2

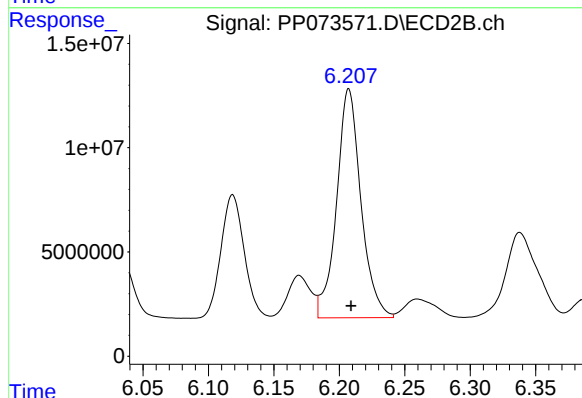
R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 90612135
Conc: 943.09 ng/ml



#28 AR-1254-3

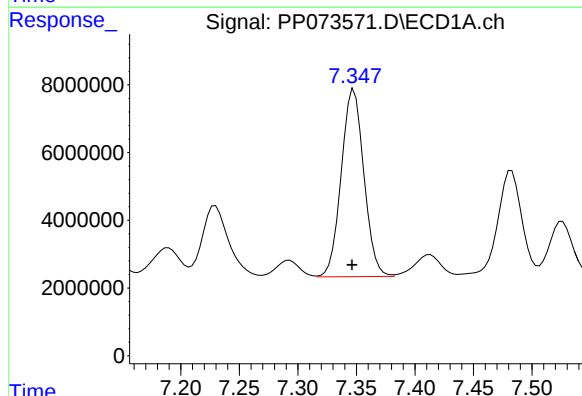
R.T.: 7.066 min
Delta R.T.: 0.002 min
Response: 83677544
Conc: 945.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



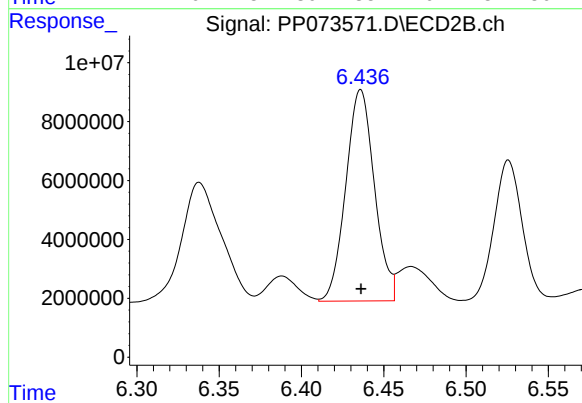
#28 AR-1254-3

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



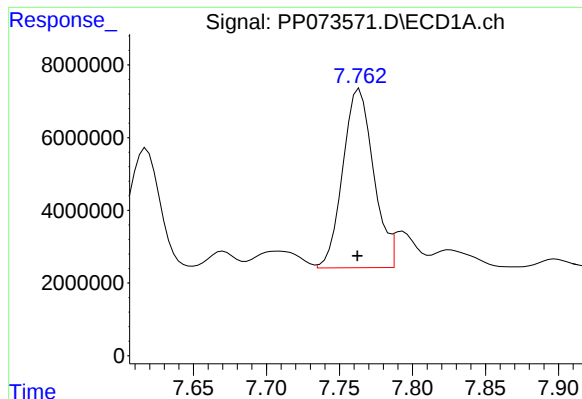
#29 AR-1254-4

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



#29 AR-1254-4

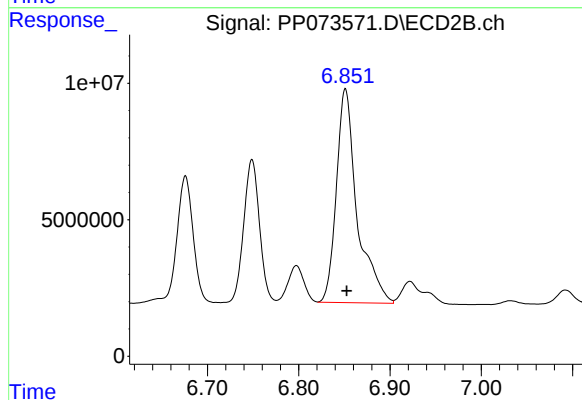
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 86996505
Conc: 922.05 ng/ml



#30 AR-1254-5

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000



#30 AR-1254-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC750

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.488	3.779	104.7E6	146.2E6	74.706	77.291
2) SA Decachlor...	10.175	8.780	84962440	104.9E6	74.184	76.426
Target Compounds						
26) L6 AR-1254-1	6.486	5.657	39869819	83773101	722.159	745.818
27) L6 AR-1254-2	6.702	5.805	60389680	72154275	731.651	750.983
28) L6 AR-1254-3	7.066	6.207	64508177	114.2E6	728.969	750.593
29) L6 AR-1254-4	7.348	6.435	57167227	70426326	718.253	746.429
30) L6 AR-1254-5	7.764	6.851	55929557	98283712	749.524	751.764

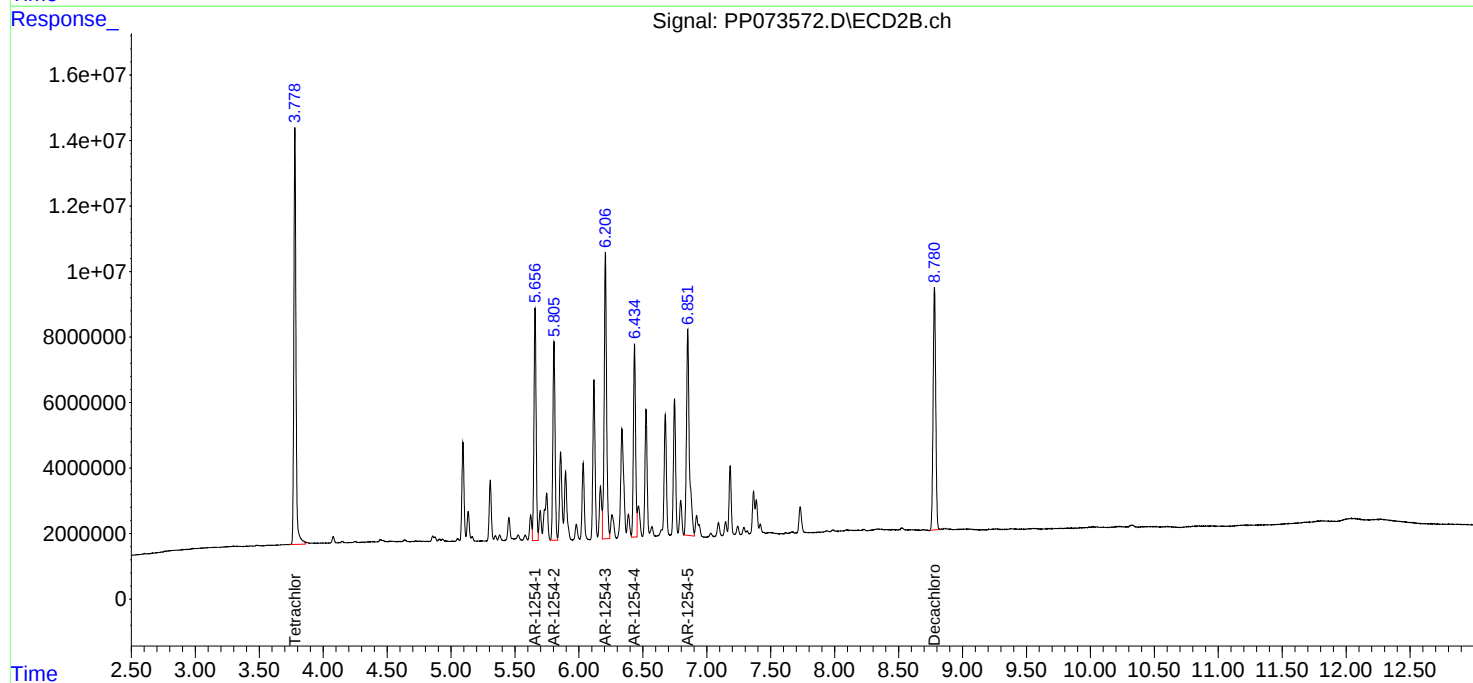
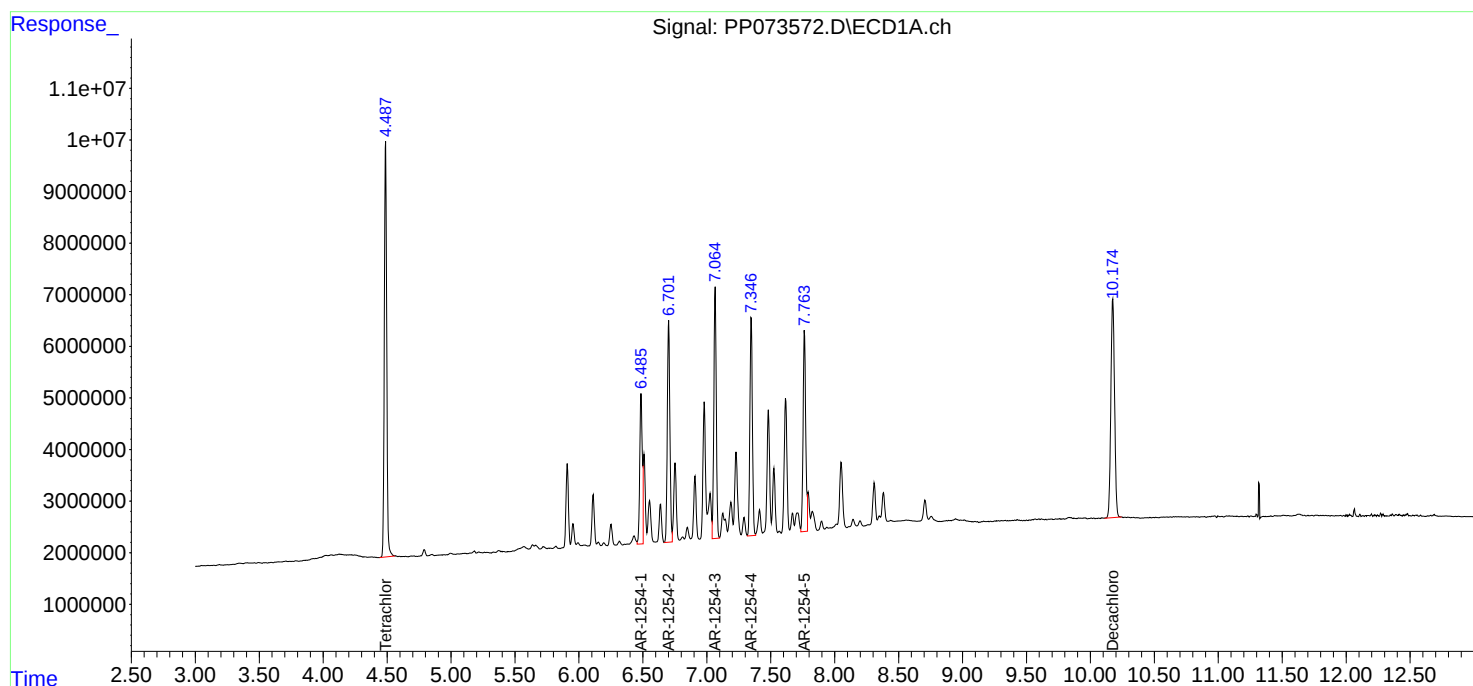
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

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

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



Response_ Signal: PP073572.D\ECD1A.ch

#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Time

Response_ Signal: PP073572.D\ECD2B.ch

#1 Tetrachloro-m-xylene

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

Time

Response_ Signal: PP073572.D\ECD1A.ch

#2 Decachlorobiphenyl

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

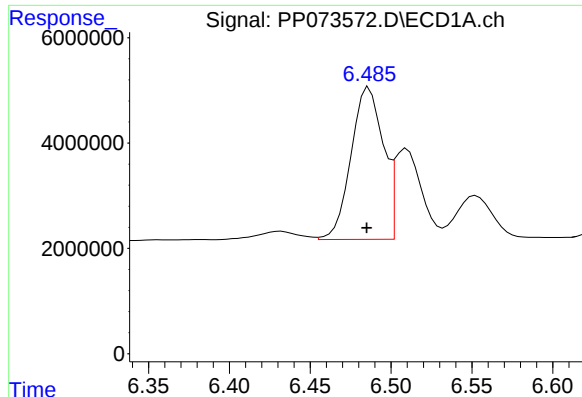
Time

Response_ Signal: PP073572.D\ECD2B.ch

#2 Decachlorobiphenyl

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

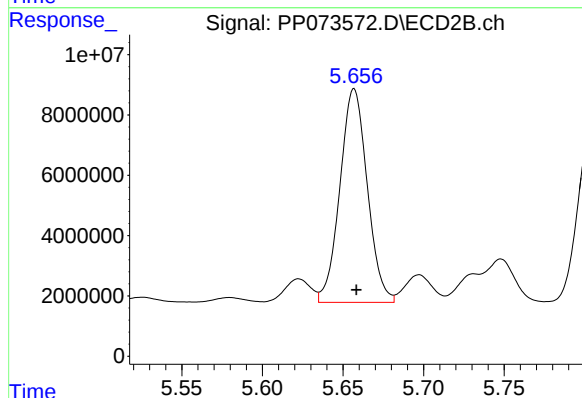
Time



#26 AR-1254-1

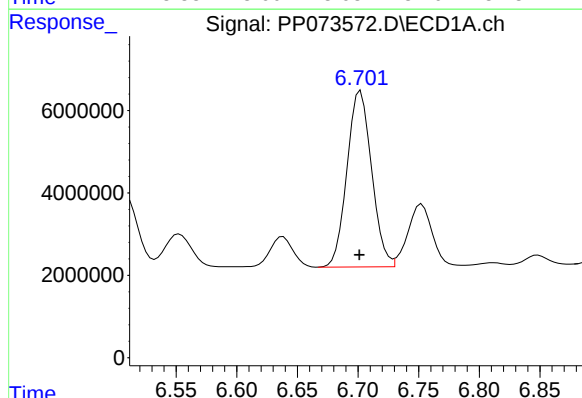
R.T.: 6.486 min
Delta R.T.: 0.001 min
Response: 39869819
Conc: 722.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



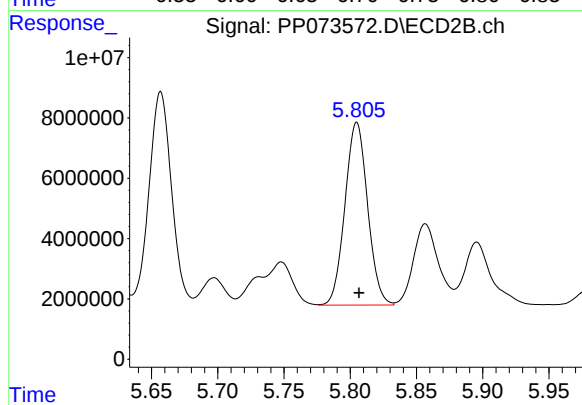
#26 AR-1254-1

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



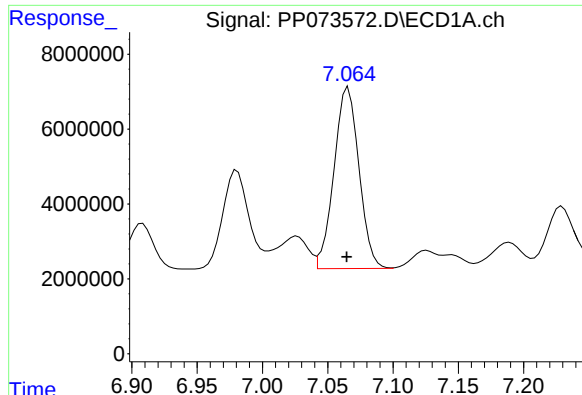
#27 AR-1254-2

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



#27 AR-1254-2

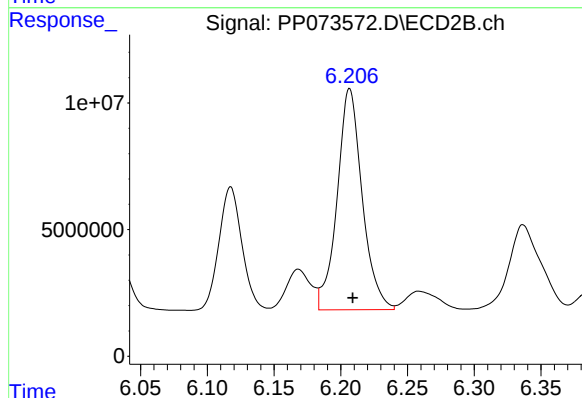
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 72154275
Conc: 750.98 ng/ml



#28 AR-1254-3

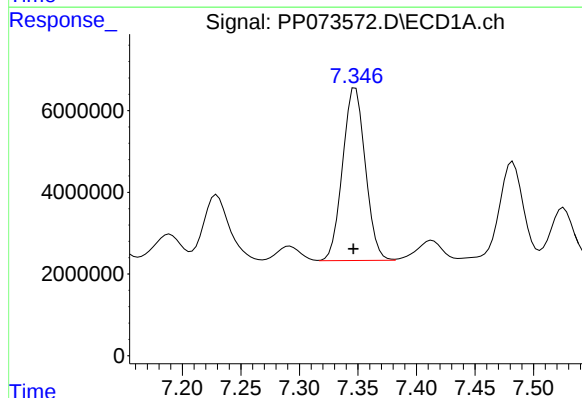
R.T.: 7.066 min
Delta R.T.: 0.001 min
Response: 64508177
Conc: 728.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750



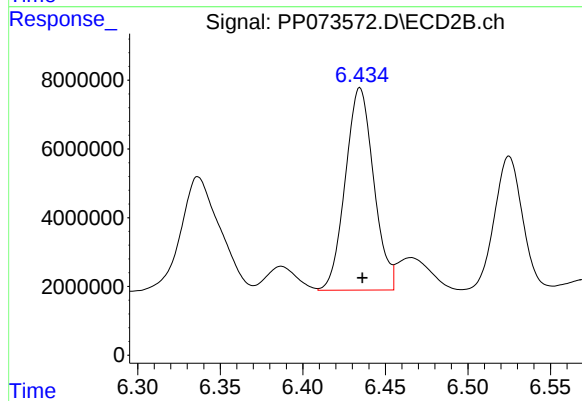
#28 AR-1254-3

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



#29 AR-1254-4

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



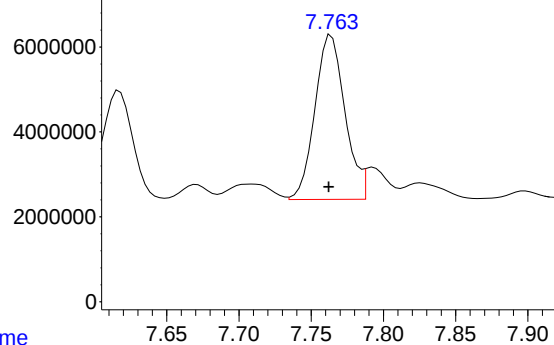
#29 AR-1254-4

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

Response_

Signal: PP073572.D\ECD1A.ch

#30 AR-1254-5



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

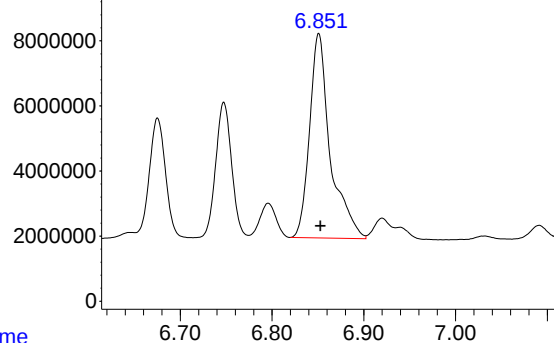
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PP073572.D\ECD2B.ch

#30 AR-1254-5



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

Time

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC500

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.487	3.780	70057774	94600770	50.000	50.000
2) SA Decachlor...	10.174	8.781	57264429	68616932	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.485	5.658	27604602	56161903	500.000	500.000
27) L6 AR-1254-2	6.701	5.807	41269473	48039880	500.000	500.000
28) L6 AR-1254-3	7.064	6.209	44246186	76049574	500.000	500.000
29) L6 AR-1254-4	7.346	6.436	39796020	47175510	500.000	500.000
30) L6 AR-1254-5	7.762	6.853	37310051	65368722	500.000	500.000

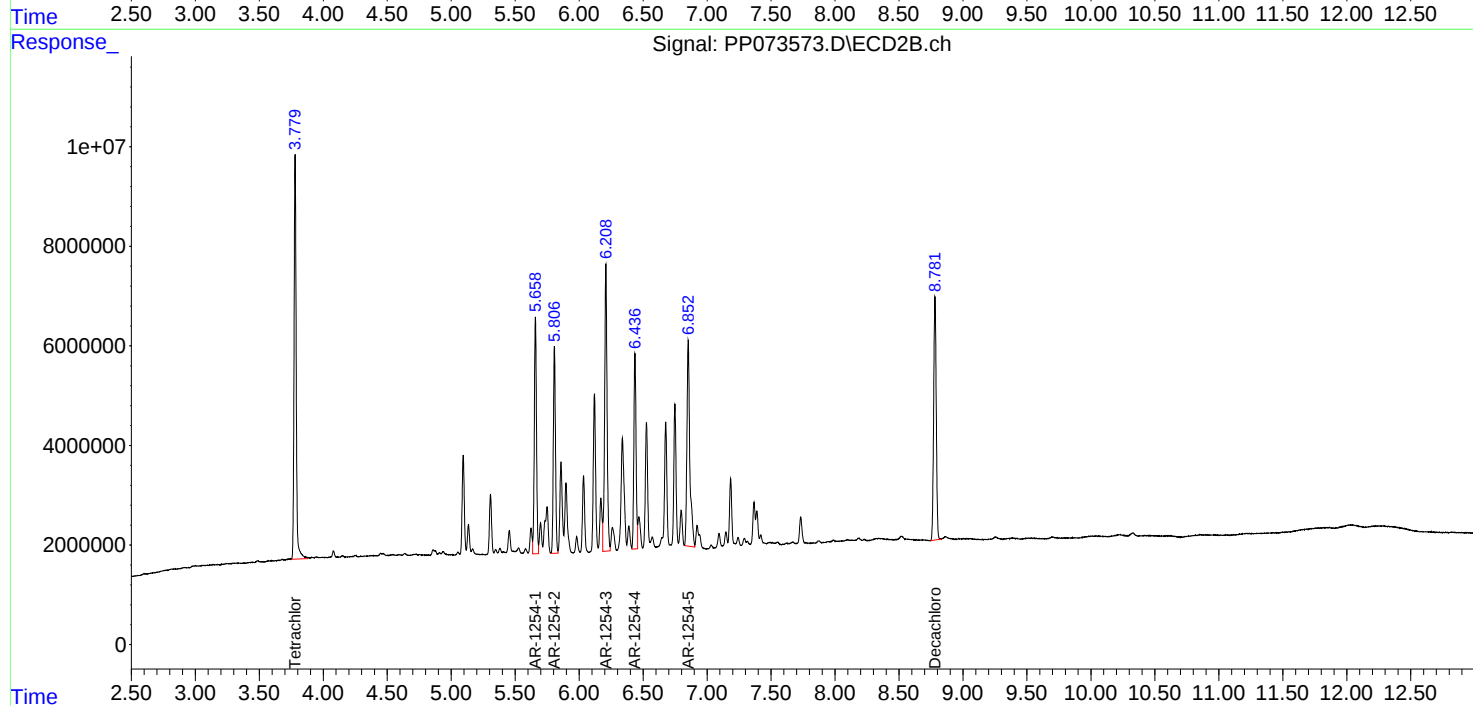
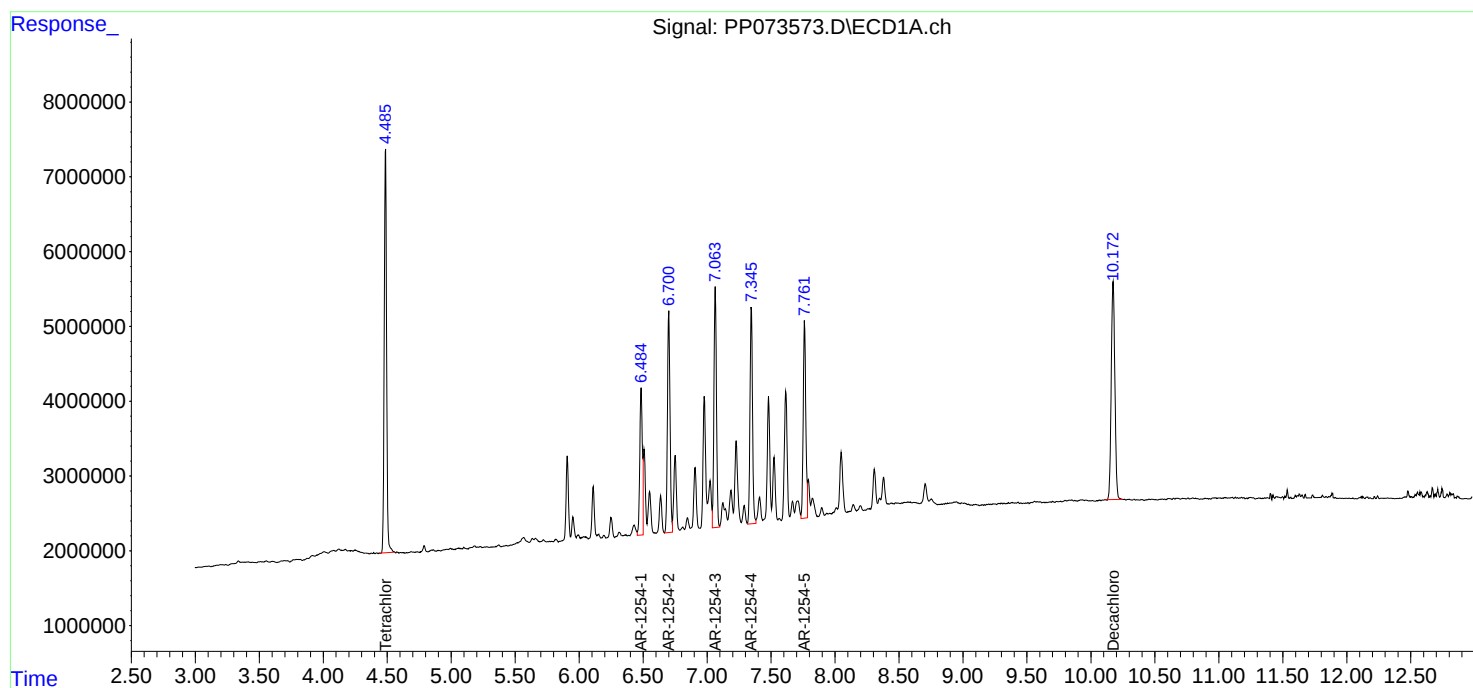
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

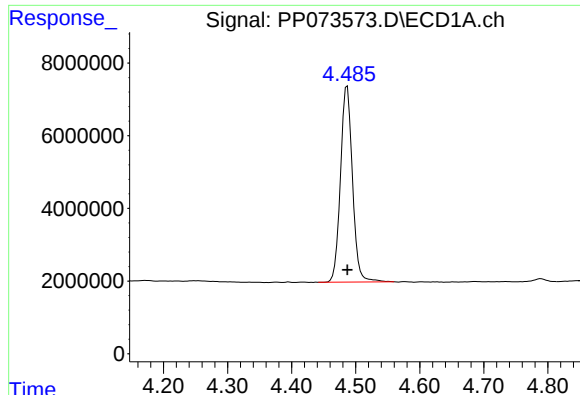
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

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

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

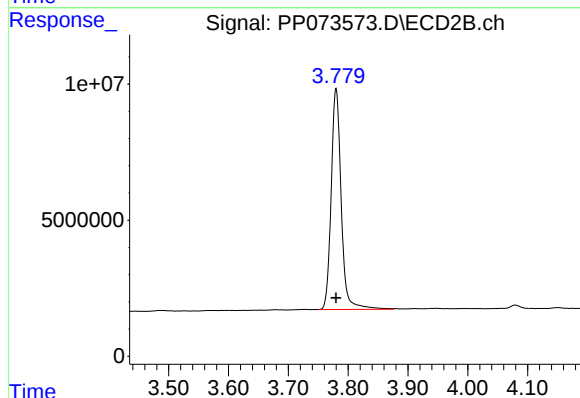




#1 Tetrachloro-m-xylene

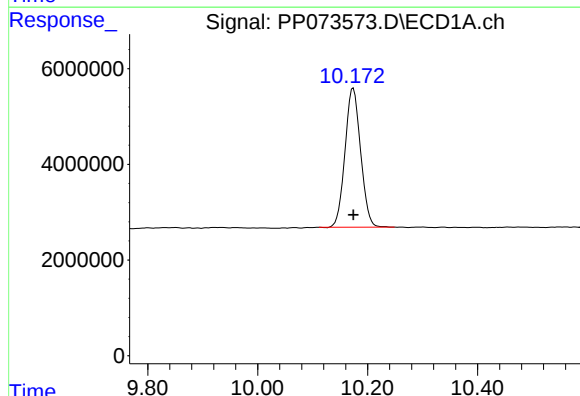
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 70057774
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



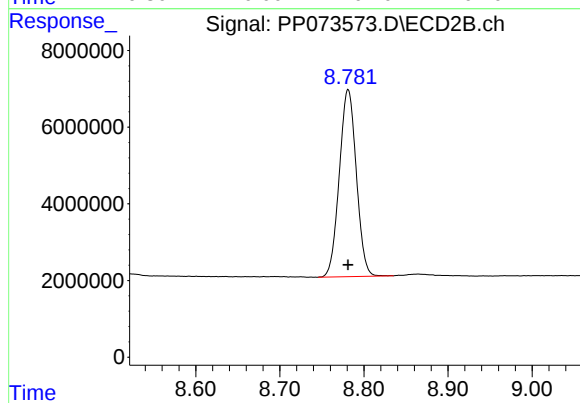
#1 Tetrachloro-m-xylene

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



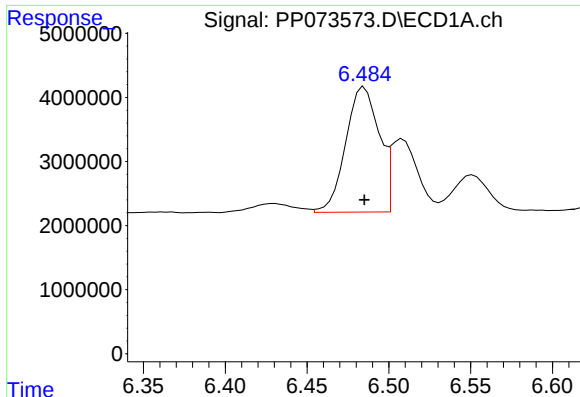
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

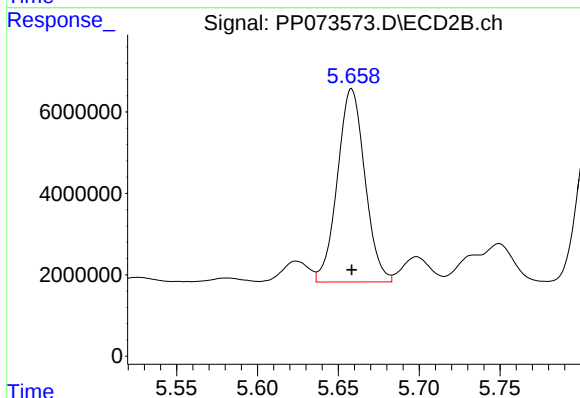
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 68616932
Conc: 50.00 ng/ml



#26 AR-1254-1

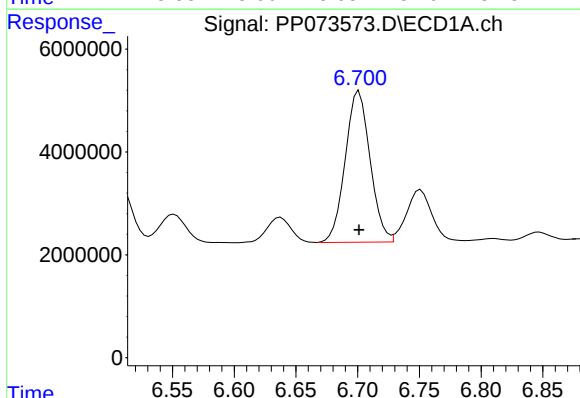
R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 27604602
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



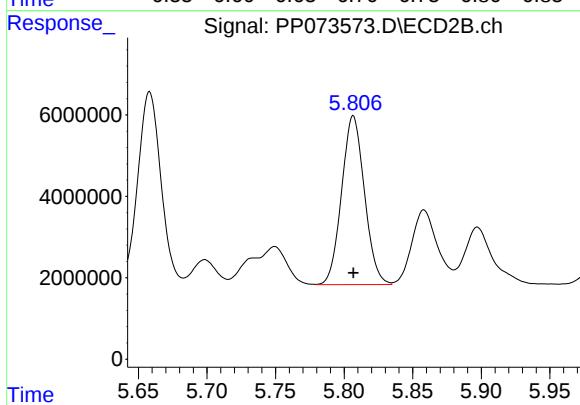
#26 AR-1254-1

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



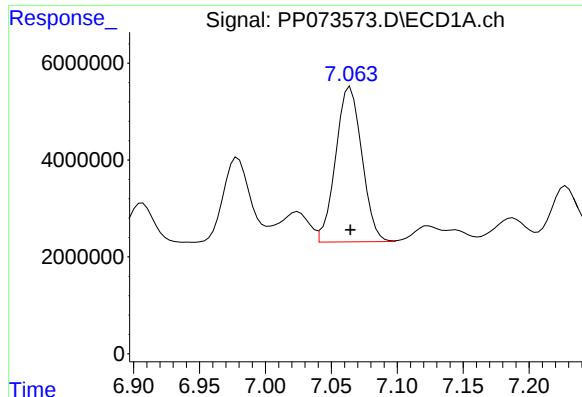
#27 AR-1254-2

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



#27 AR-1254-2

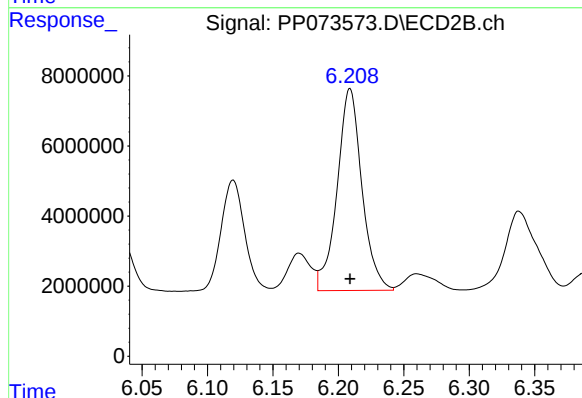
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 48039880
Conc: 500.00 ng/ml



#28 AR-1254-3

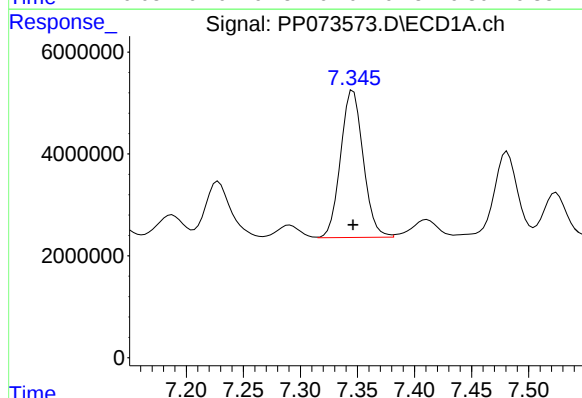
R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 44246186
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



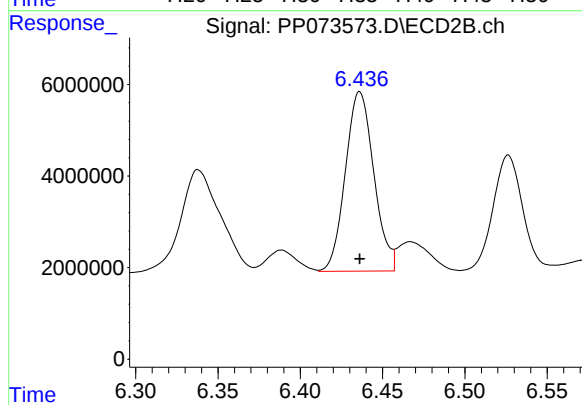
#28 AR-1254-3

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



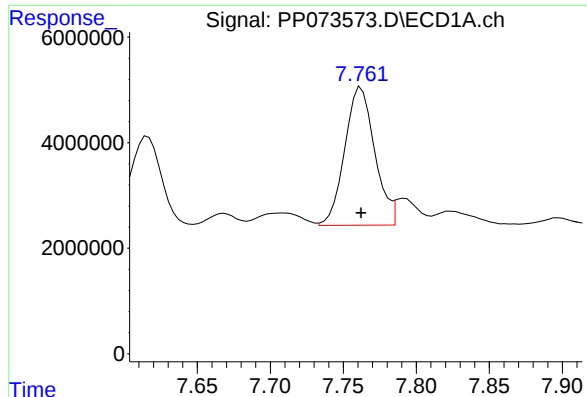
#29 AR-1254-4

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



#29 AR-1254-4

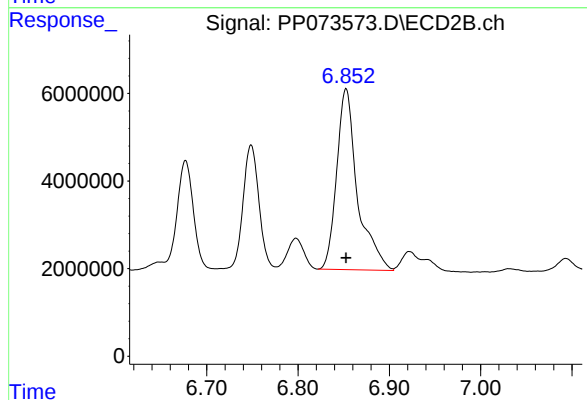
R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 47175510
Conc: 500.00 ng/ml



#30 AR-1254-5

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC250

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.487	3.779	36639041	48313312	26.149	25.535
2) SA Decachlor...	10.176	8.780	28626907	37692438	24.995	27.466
Target Compounds						
26) L6 AR-1254-1	6.484	5.657	14279096	30427905	258.636	270.895
27) L6 AR-1254-2	6.701	5.805	21587177	26282271	261.539	273.546
28) L6 AR-1254-3	7.064	6.207	23018010	40529659	260.113	266.469
29) L6 AR-1254-4	7.346	6.435	20463711	25097390	257.108	266.000
30) L6 AR-1254-5	7.762	6.851	19086937	35261681	255.788	269.714

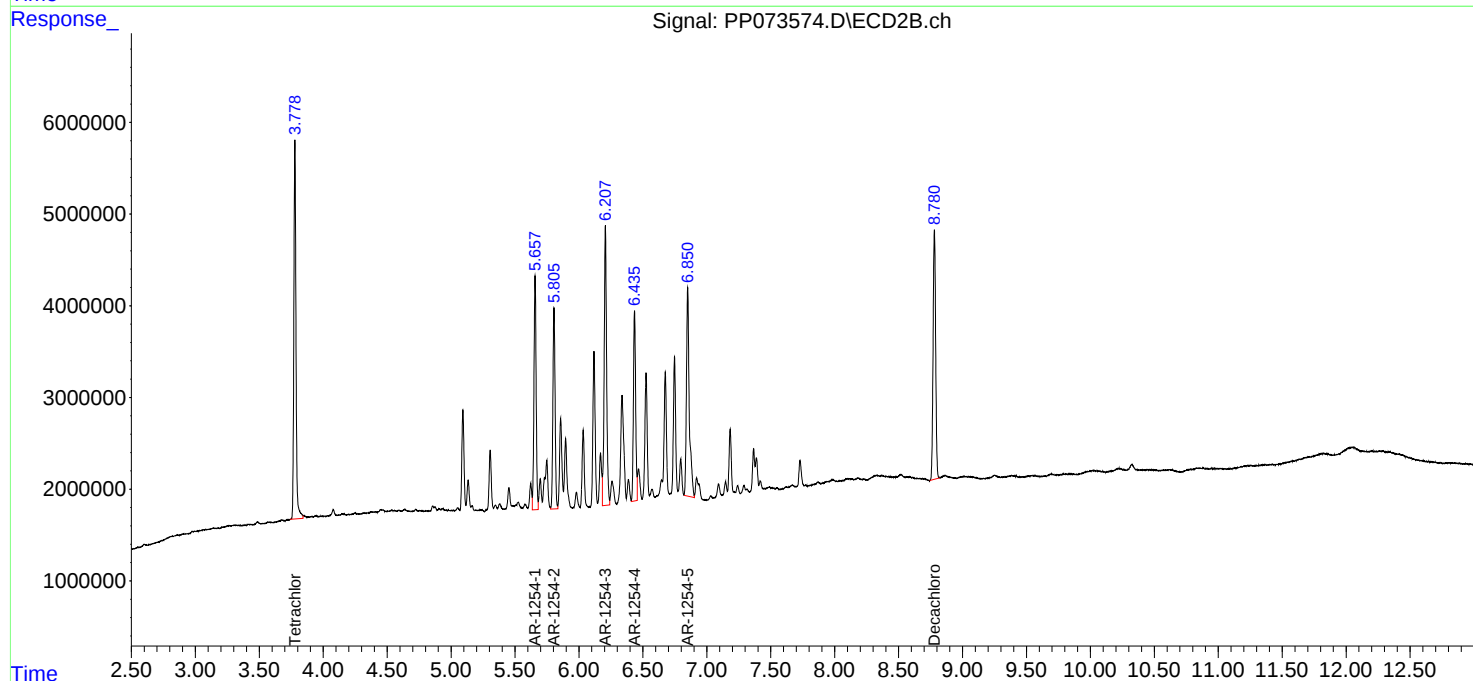
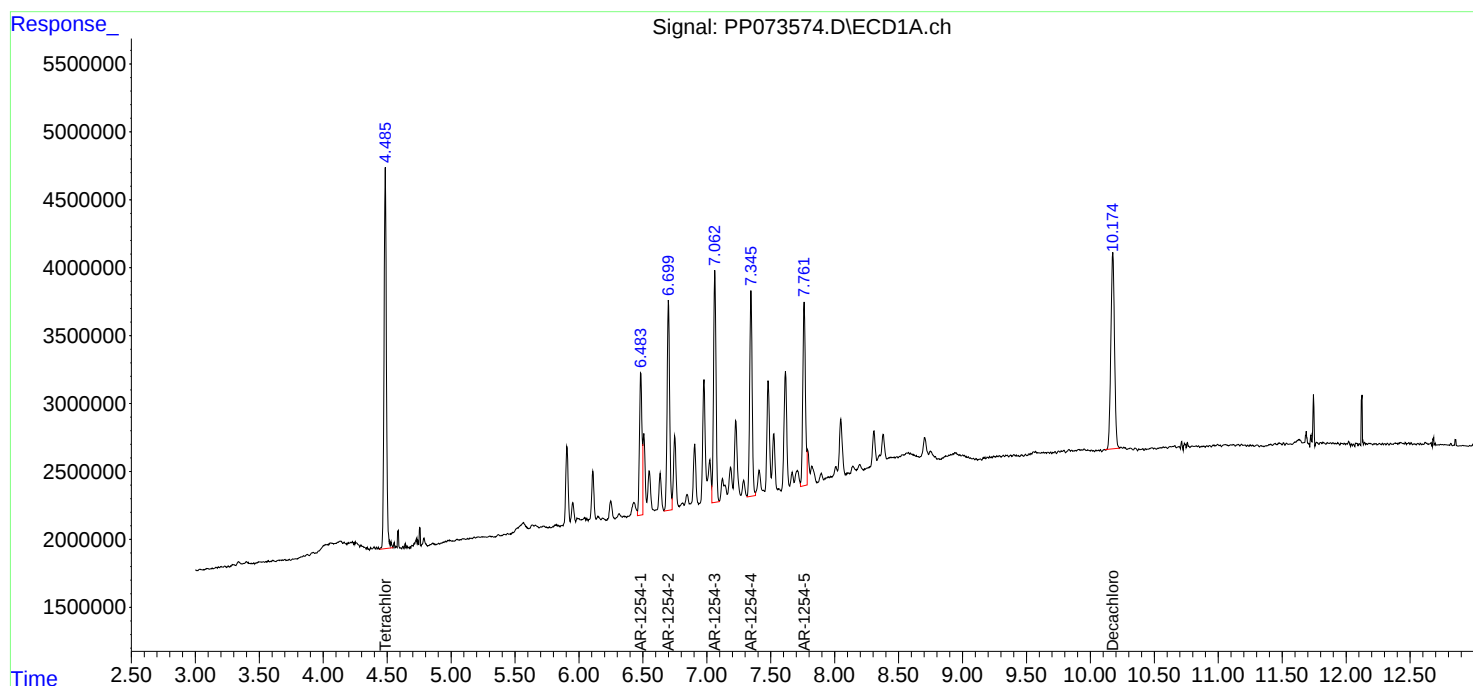
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

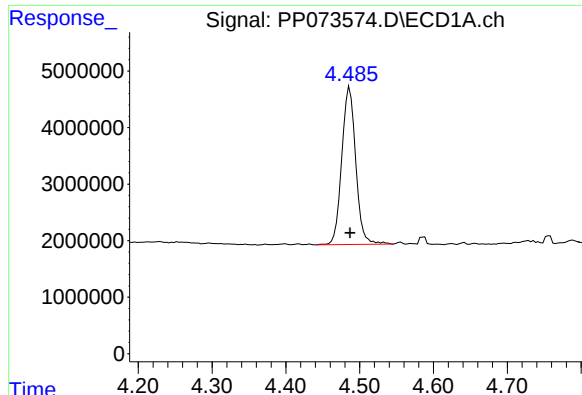
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 02:30
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

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

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

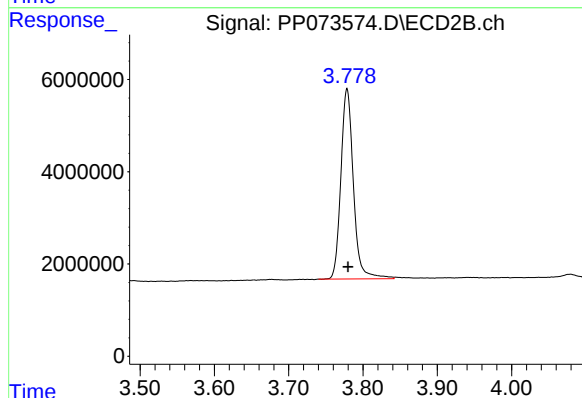




#1 Tetrachloro-m-xylene

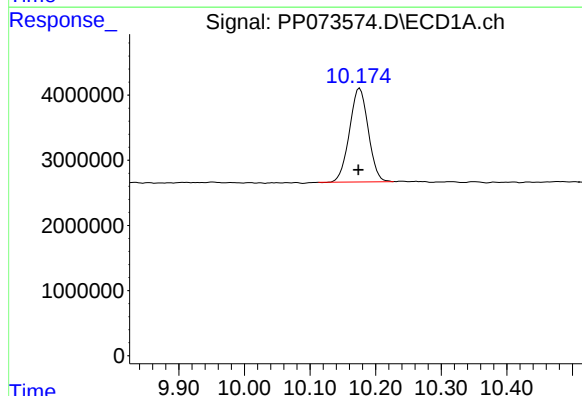
R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 36639041
Conc: 26.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



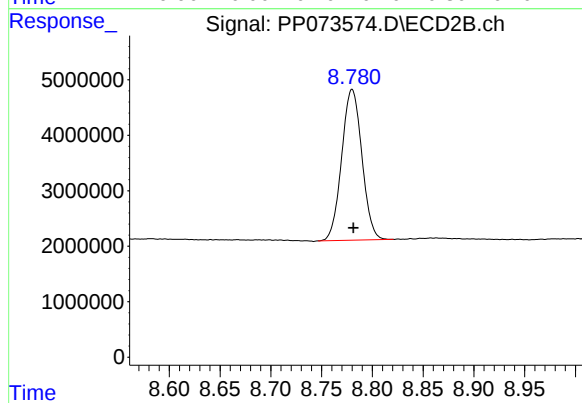
#1 Tetrachloro-m-xylene

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



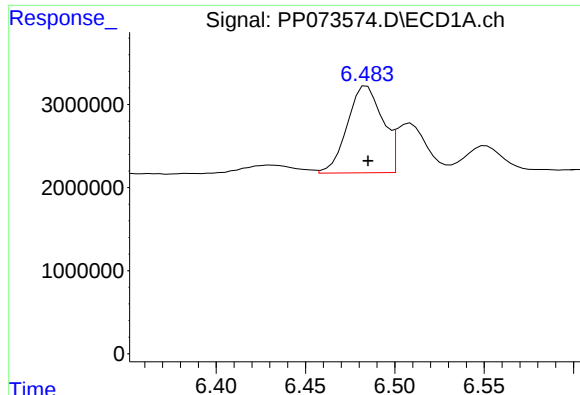
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

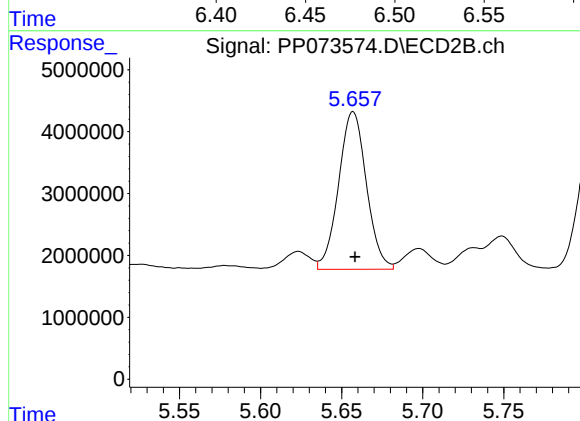
R.T.: 8.780 min
Delta R.T.: -0.001 min
Response: 37692438
Conc: 27.47 ng/ml



#26 AR-1254-1

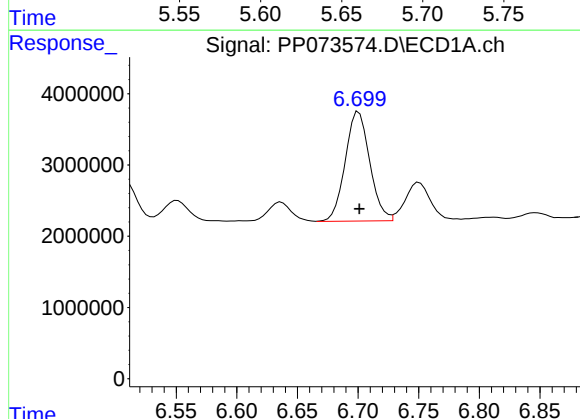
R.T.: 6.484 min
Delta R.T.: 0.000 min
Response: 14279096
Conc: 258.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



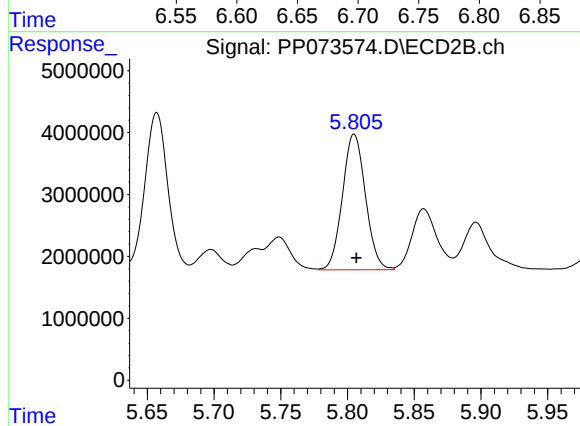
#26 AR-1254-1

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



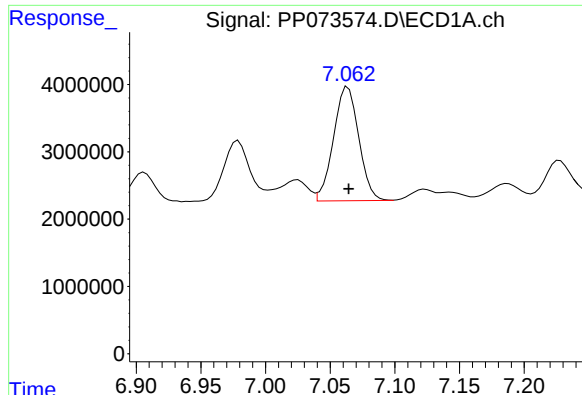
#27 AR-1254-2

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



#27 AR-1254-2

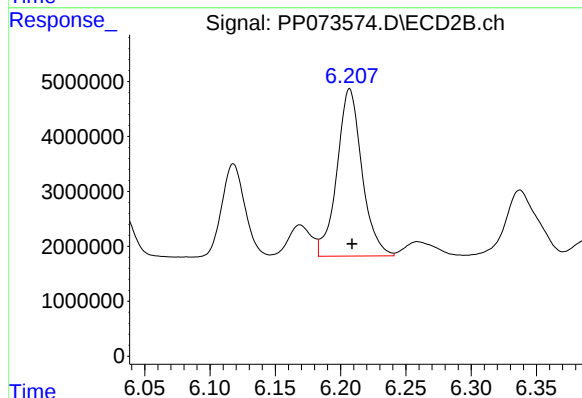
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 26282271
Conc: 273.55 ng/ml



#28 AR-1254-3

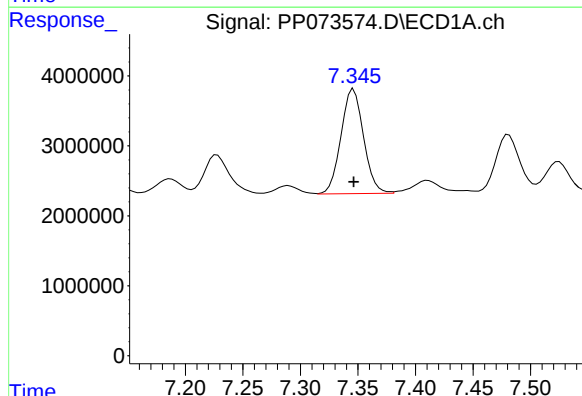
R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 23018010
Conc: 260.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



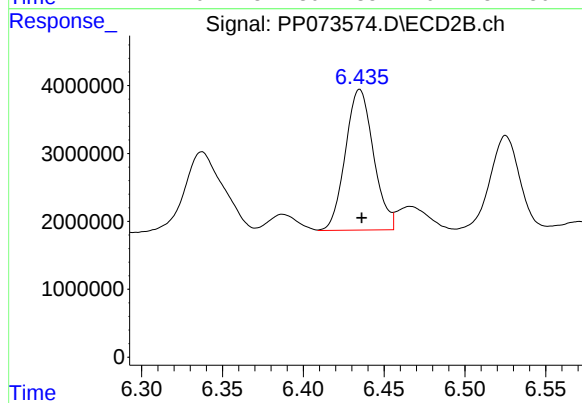
#28 AR-1254-3

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



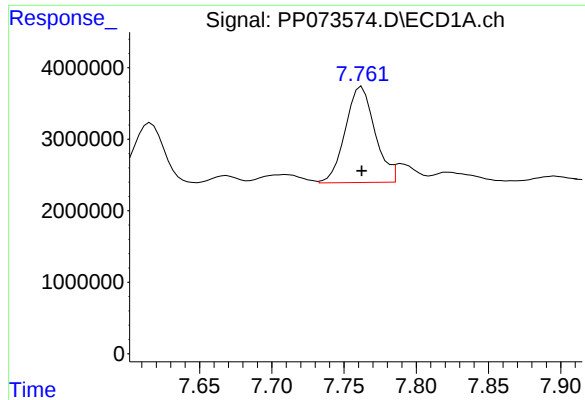
#29 AR-1254-4

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



#29 AR-1254-4

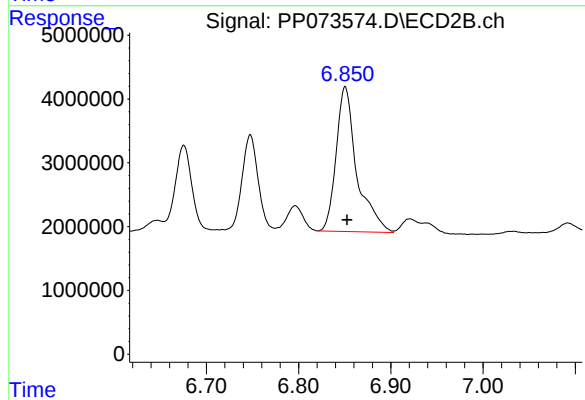
R.T.: 6.435 min
Delta R.T.: -0.001 min
Response: 25097390
Conc: 266.00 ng/ml



#30 AR-1254-5

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

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

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.488	3.779	6938090	9721913	4.952	5.138
2)	SA Decachlor...	10.178	8.780	5667149	6887289	4.948	5.019
Target Compounds							
26)	L6 AR-1254-1	6.485	5.657	2578085	6452648	46.697m	57.447
27)	L6 AR-1254-2	6.701	5.806	4490008	5754555	54.399m	59.894
28)	L6 AR-1254-3	7.064	6.207	4570279	8163980	51.646m	53.675
29)	L6 AR-1254-4	7.347	6.436	4061359	4857854	51.027m	51.487
30)	L6 AR-1254-5	7.764	6.851	3548489	7039930	47.554	53.848

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

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

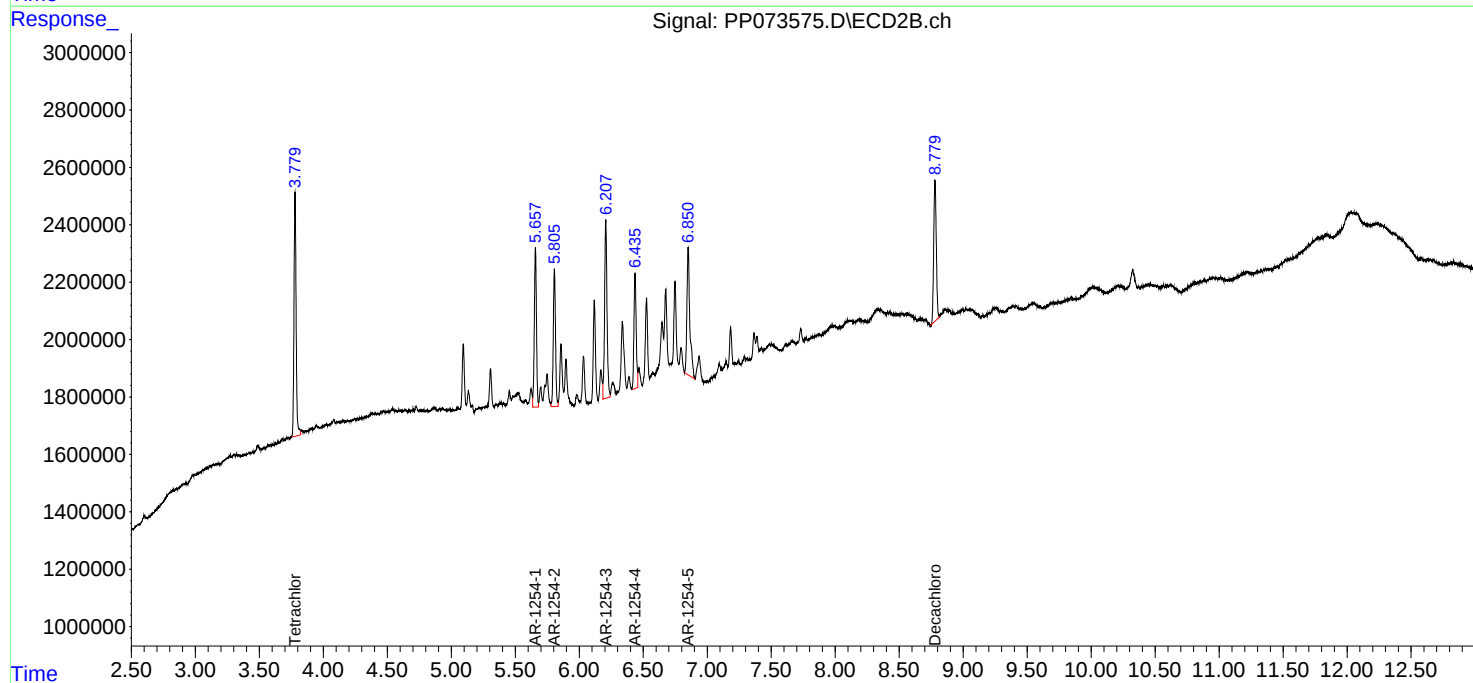
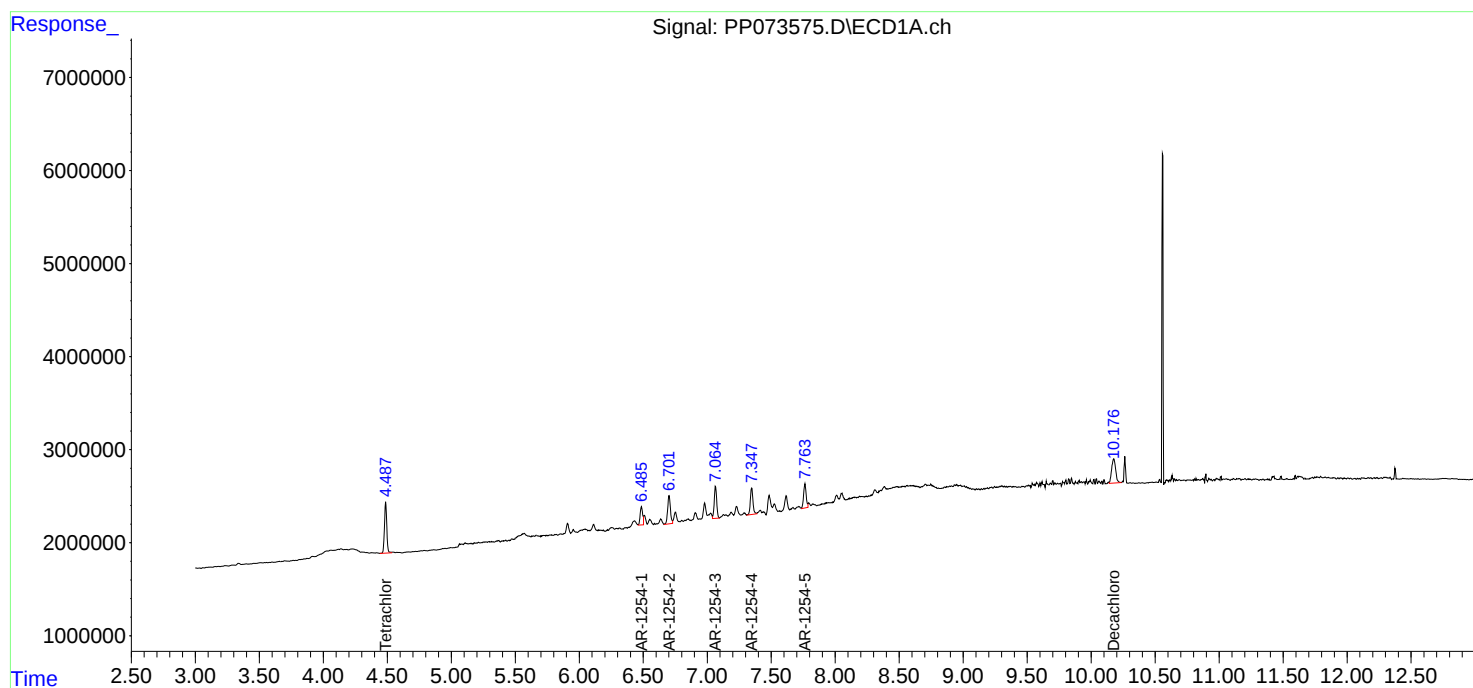
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

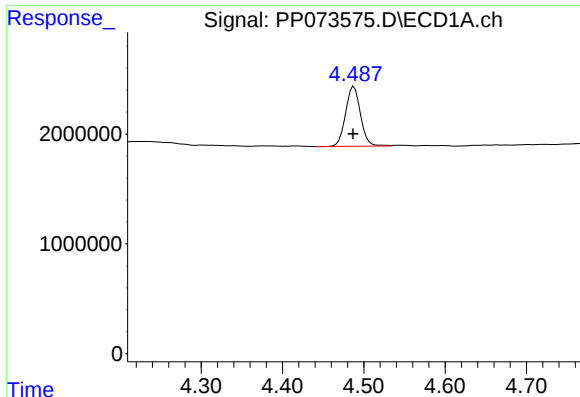
Manual Integrations
APPROVED

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

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

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





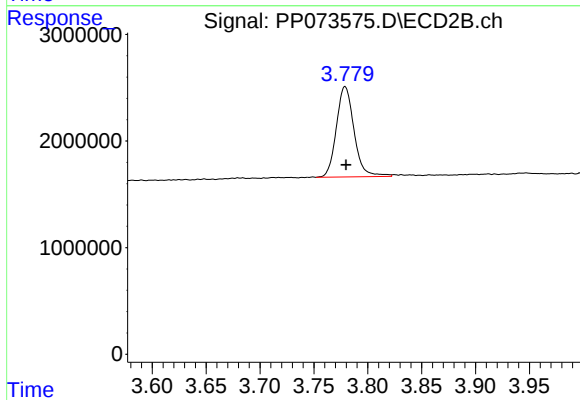
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

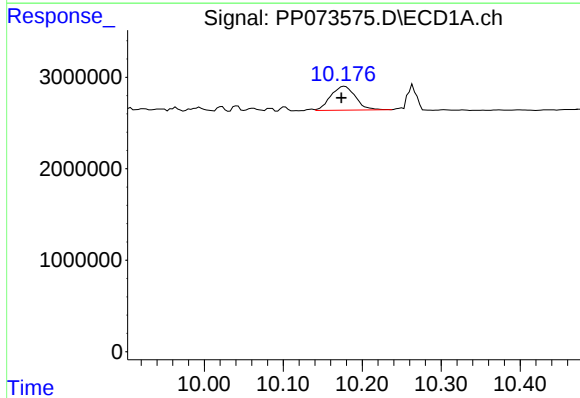
Manual Integrations
APPROVED

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



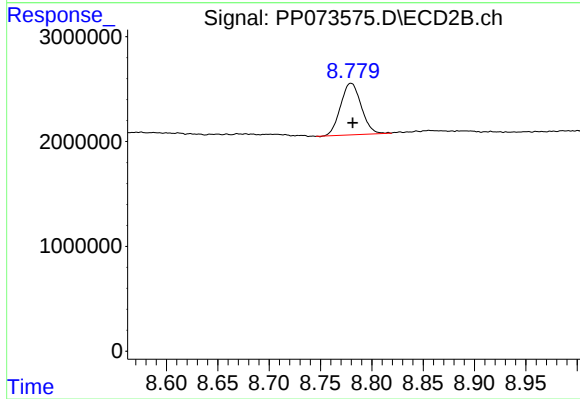
#1 Tetrachloro-m-xylene

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



#2 Decachlorobiphenyl

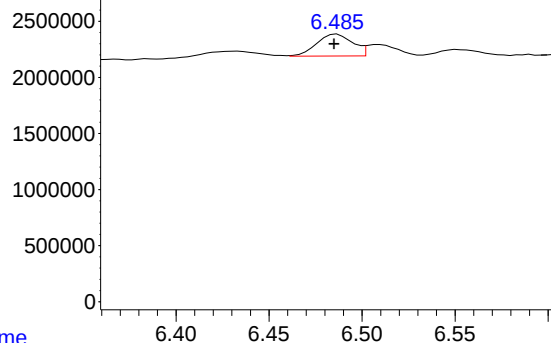
R.T.: 10.178 min
Delta R.T.: 0.004 min
Response: 5667149
Conc: 4.95 ng/ml



#2 Decachlorobiphenyl

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

Response_ Signal: PP073575.D\ECD1A.ch



#26 AR-1254-1

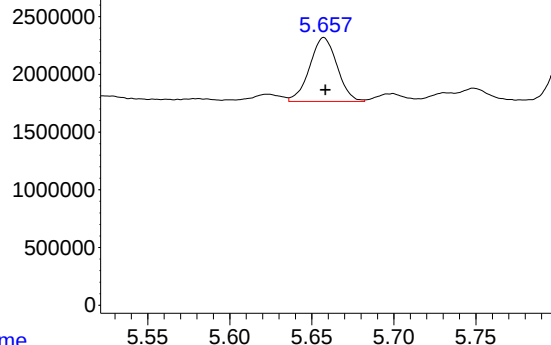
R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 2578085
Conc: 46.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

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

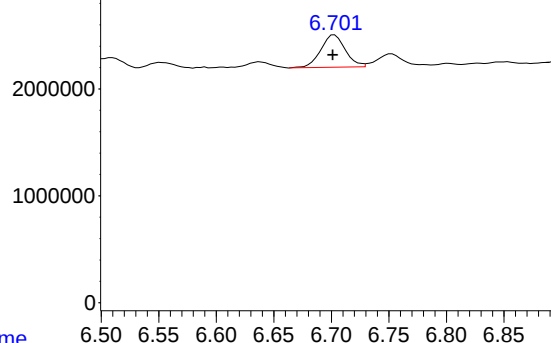
Time Response_ Signal: PP073575.D\ECD2B.ch



#26 AR-1254-1

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

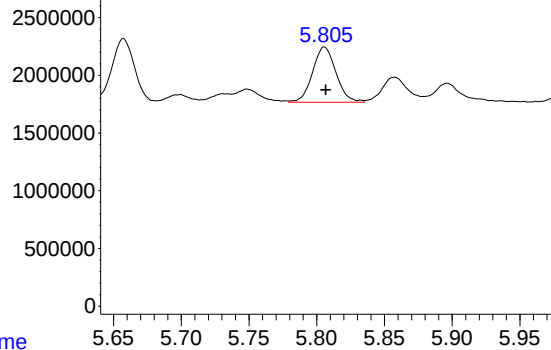
Time Response_ Signal: PP073575.D\ECD1A.ch



#27 AR-1254-2

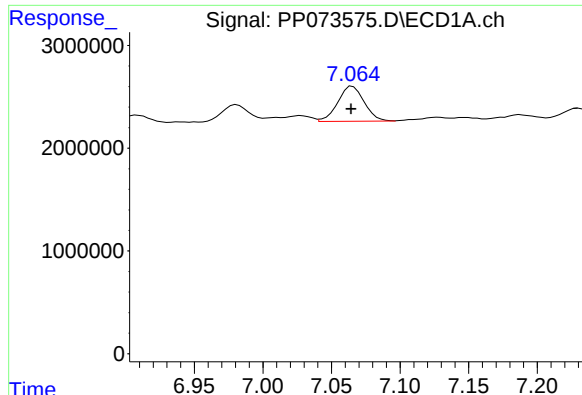
R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 4490008
Conc: 54.40 ng/ml m

Time Response_ Signal: PP073575.D\ECD2B.ch



#27 AR-1254-2

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



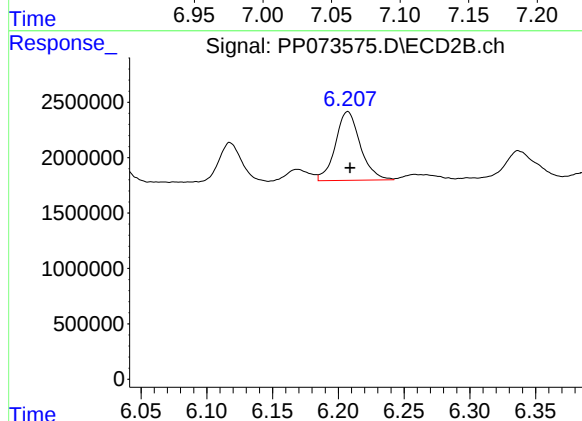
#28 AR-1254-3

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

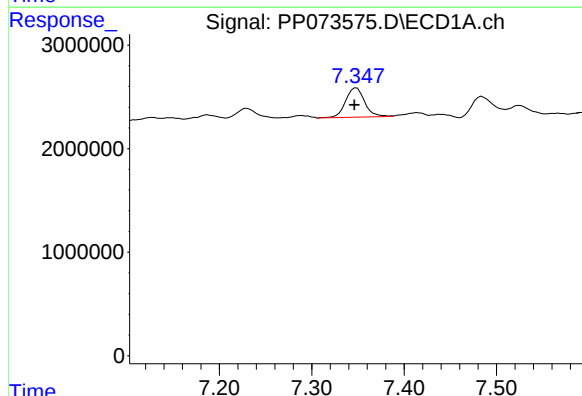
Manual Integrations
APPROVED

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



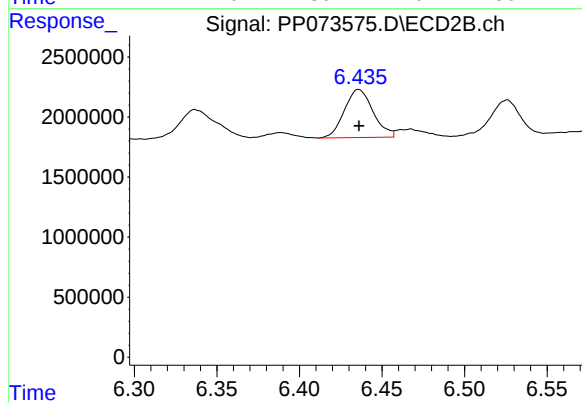
#28 AR-1254-3

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



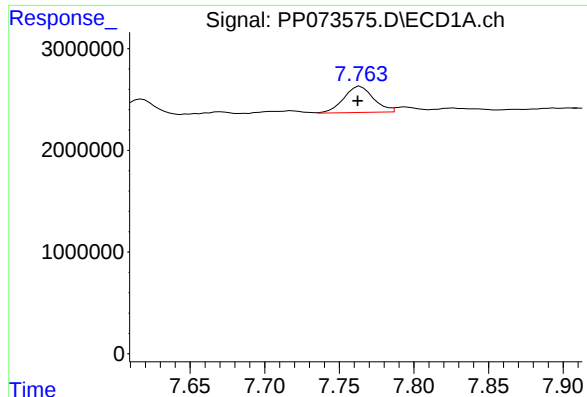
#29 AR-1254-4

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



#29 AR-1254-4

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



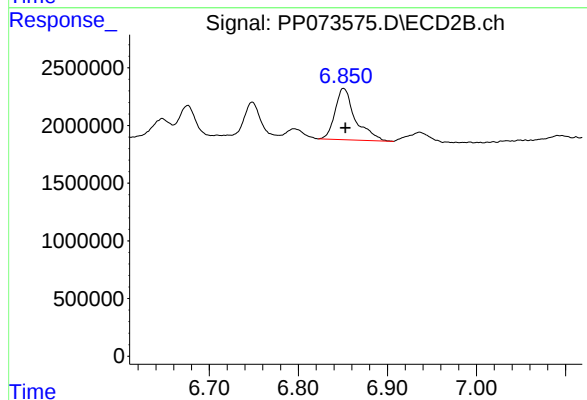
#30 AR-1254-5

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

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

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



#30 AR-1254-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1262ICC500

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

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

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

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

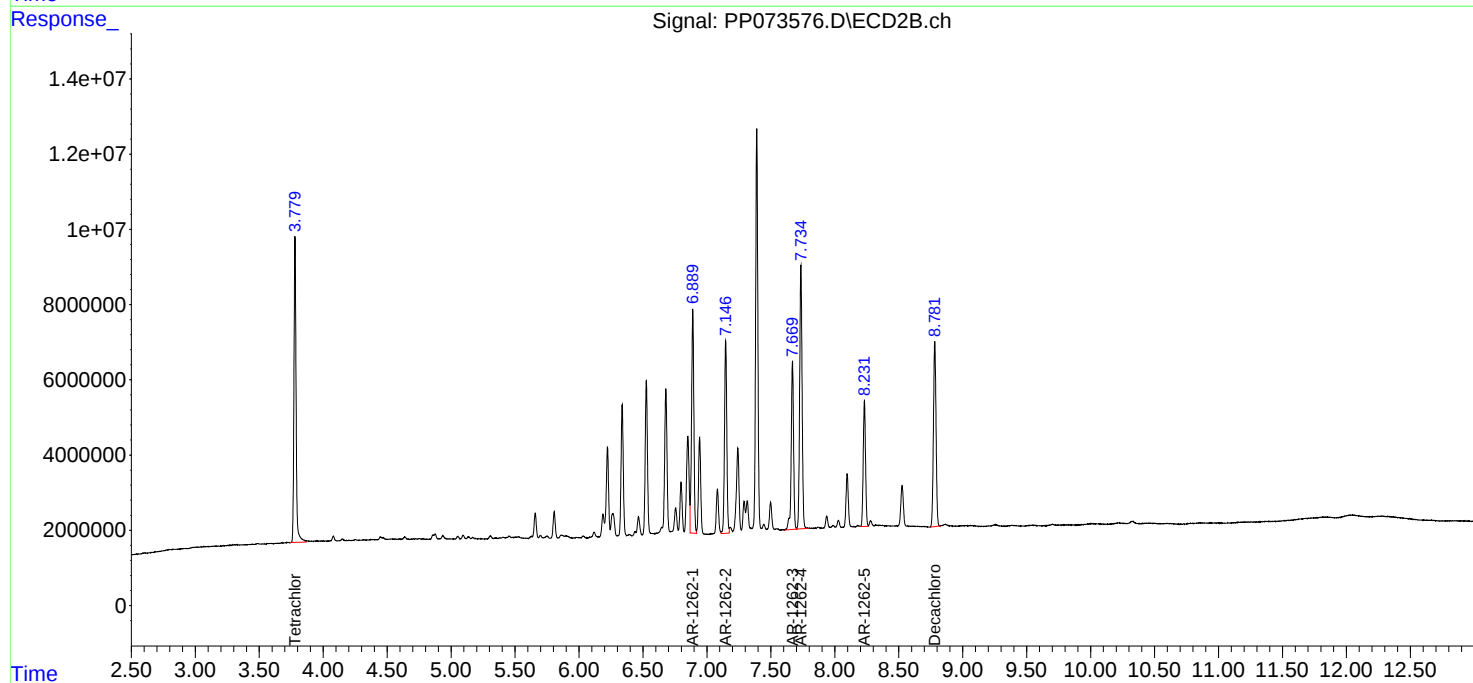
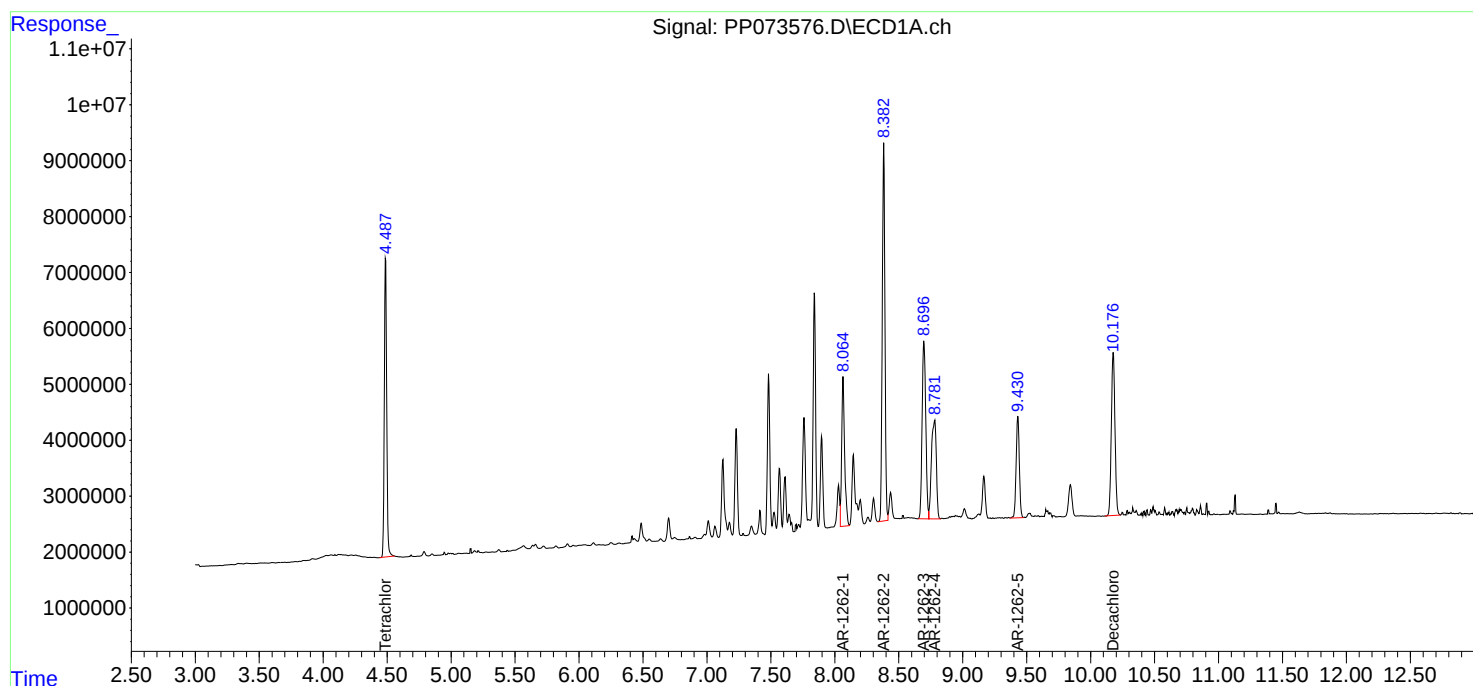
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

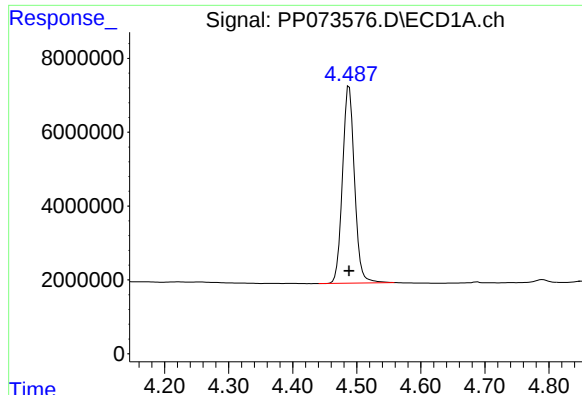
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

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

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

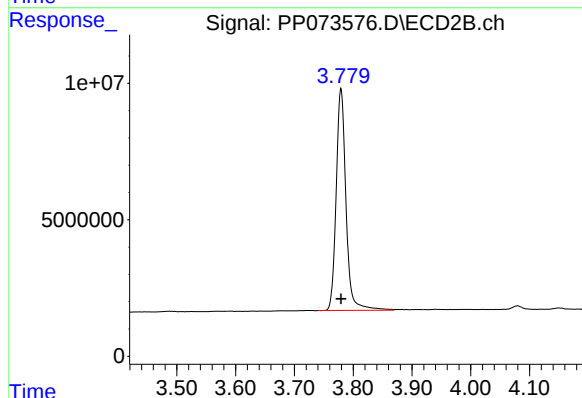




#1 Tetrachloro-m-xylene

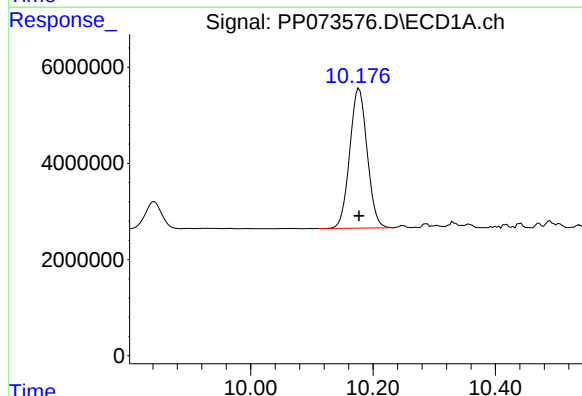
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 69434570
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



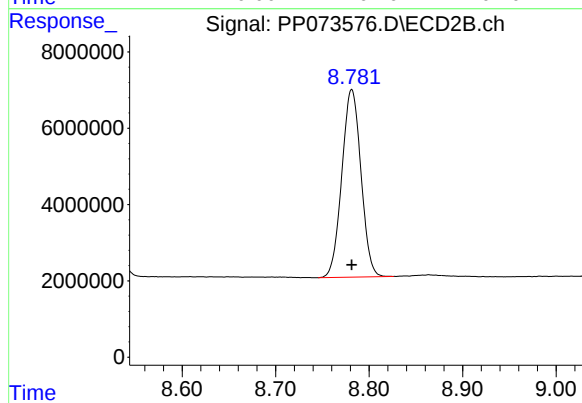
#1 Tetrachloro-m-xylene

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



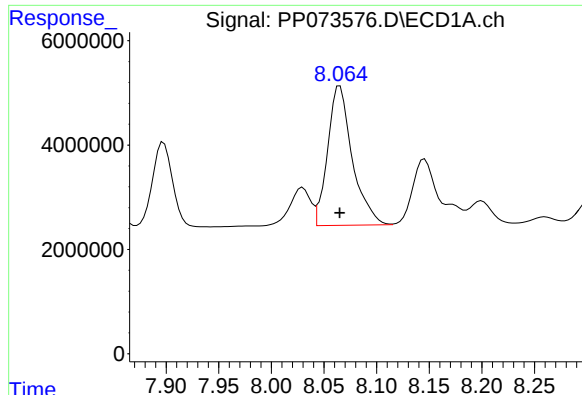
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

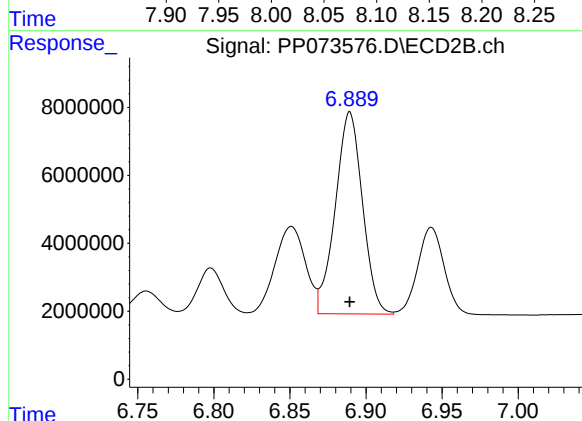
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 69838496
Conc: 50.00 ng/ml



#36 AR-1262-1

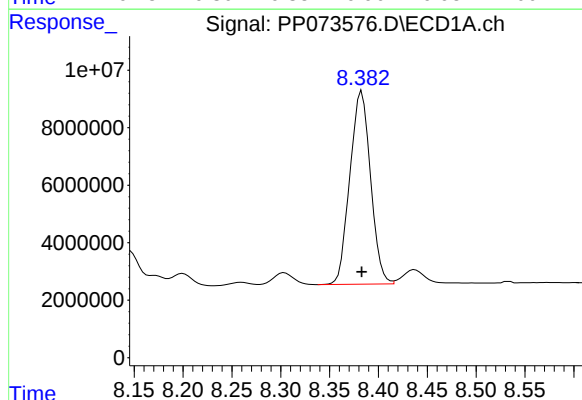
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 43513643
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



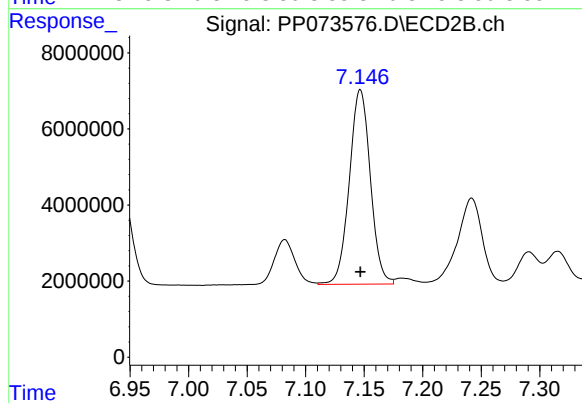
#36 AR-1262-1

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



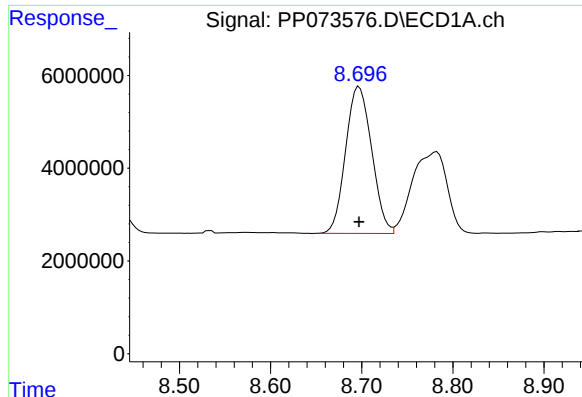
#37 AR-1262-2

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



#37 AR-1262-2

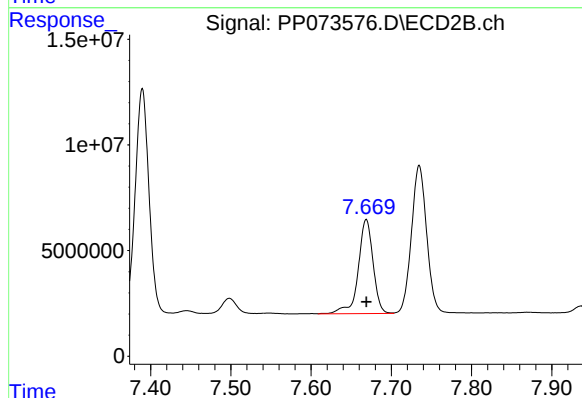
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 63914528
Conc: 500.00 ng/ml



#38 AR-1262-3

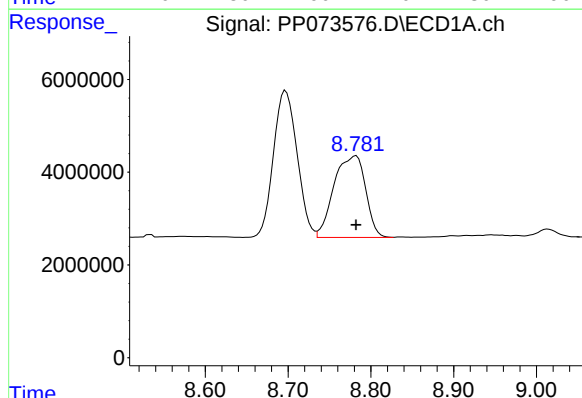
R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 62862521
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



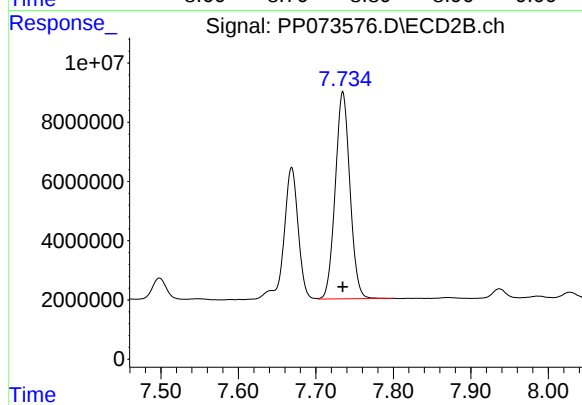
#38 AR-1262-3

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



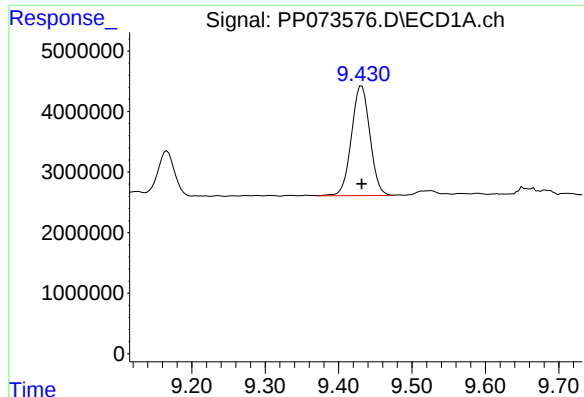
#39 AR-1262-4

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



#39 AR-1262-4

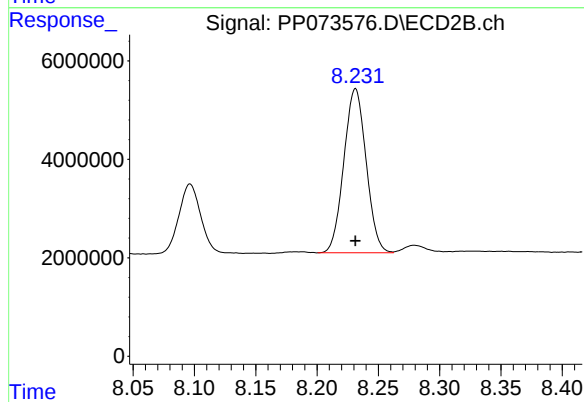
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 92024537
Conc: 500.00 ng/ml



#40 AR-1262-5

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

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC1000

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

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

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

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

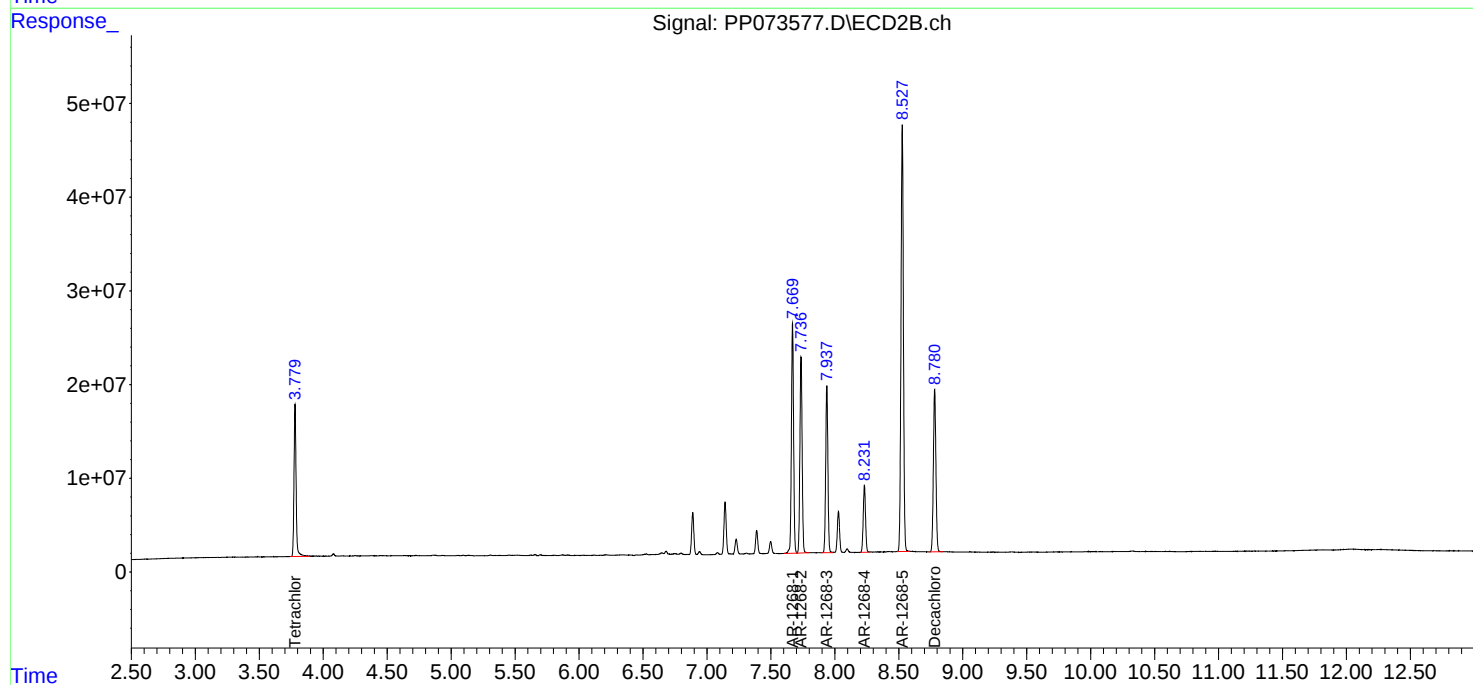
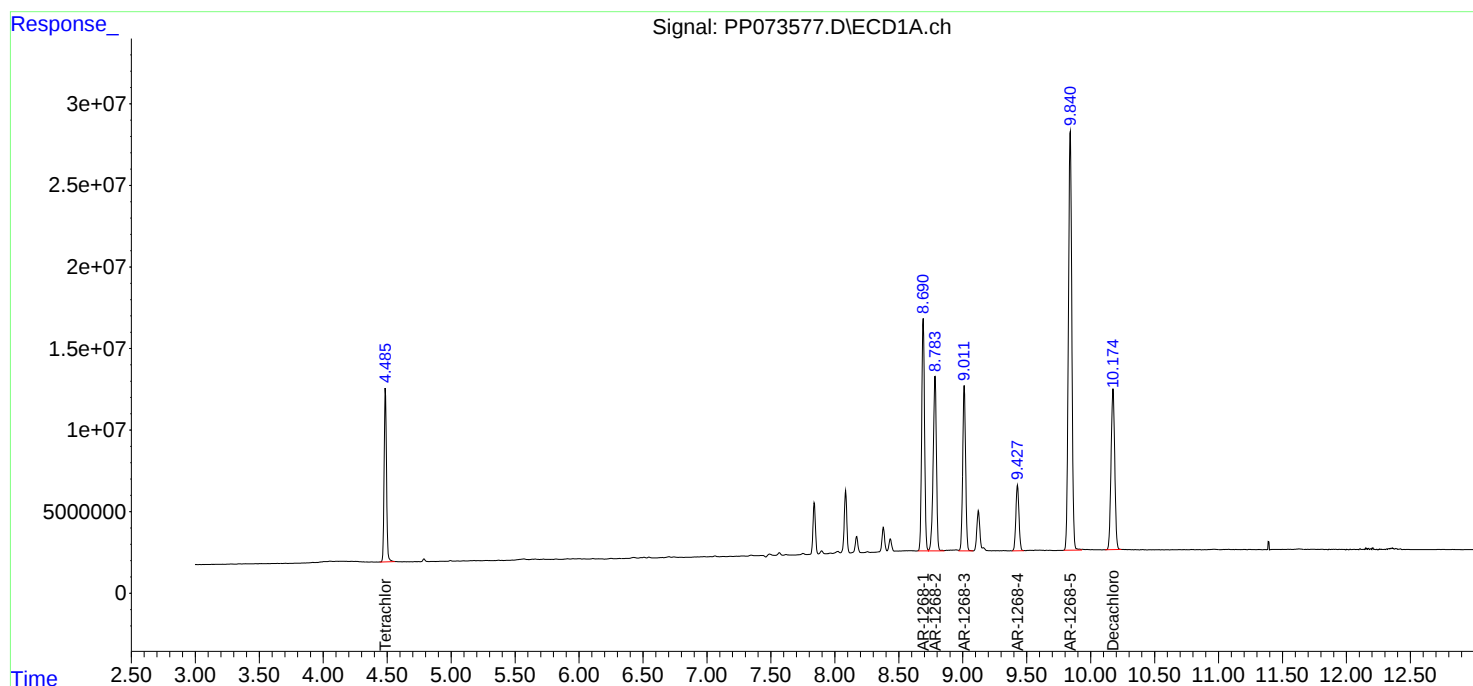
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

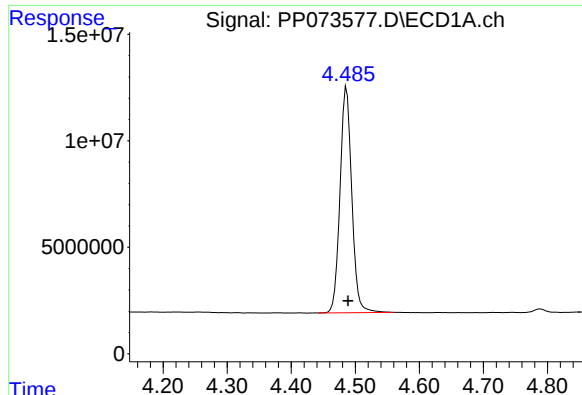
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:19
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

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

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

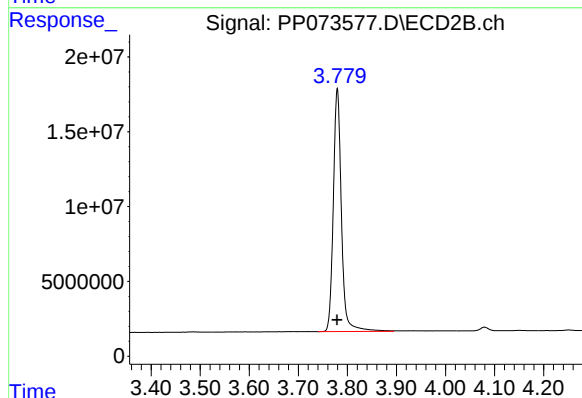




#1 Tetrachloro-m-xylene

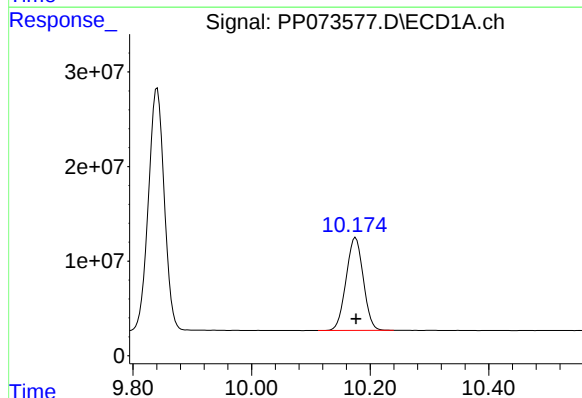
R.T.: 4.487 min
Delta R.T.: -0.002 min
Response: 135177400
Conc: 95.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



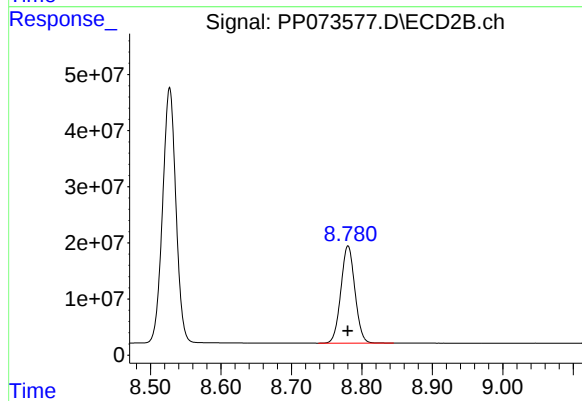
#1 Tetrachloro-m-xylene

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



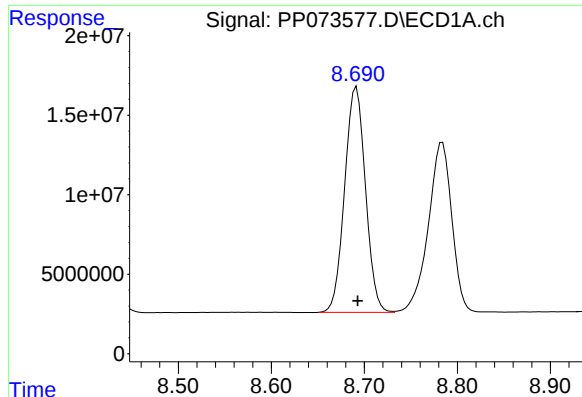
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

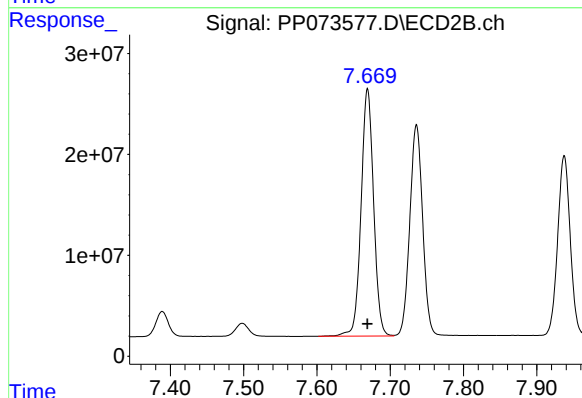
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 239622927
Conc: 94.53 ng/ml



#41 AR-1268-1

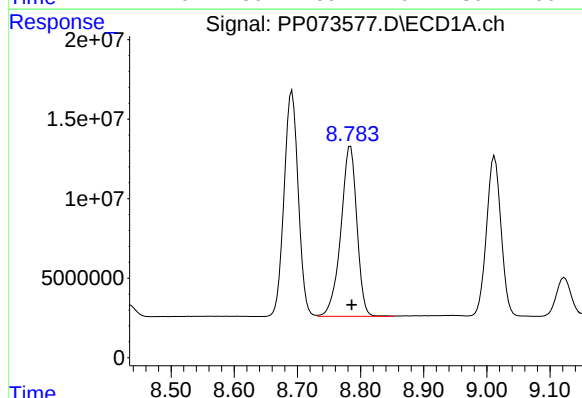
R.T.: 8.691 min
Delta R.T.: -0.001 min
Response: 220572869
Conc: 967.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



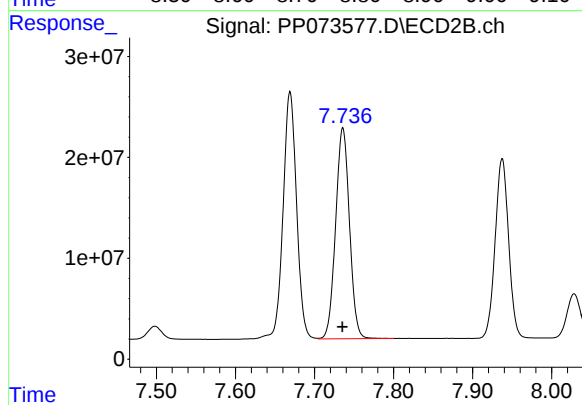
#41 AR-1268-1

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



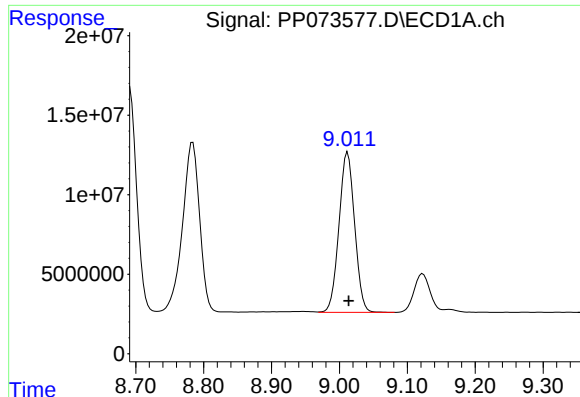
#42 AR-1268-2

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



#42 AR-1268-2

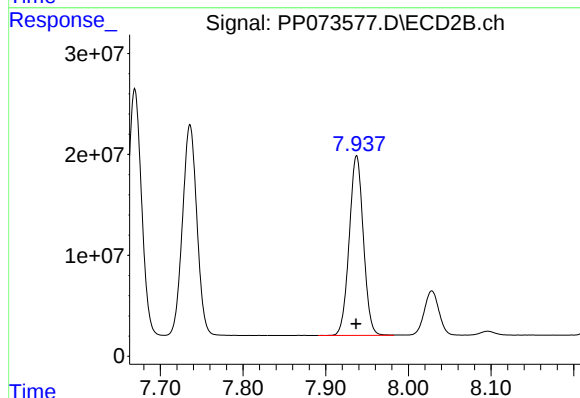
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 254148086
Conc: 949.82 ng/ml



#43 AR-1268-3

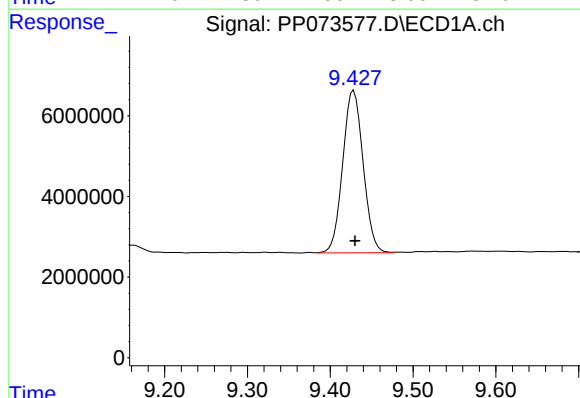
R.T.: 9.012 min
Delta R.T.: -0.002 min
Response: 161320167
Conc: 967.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



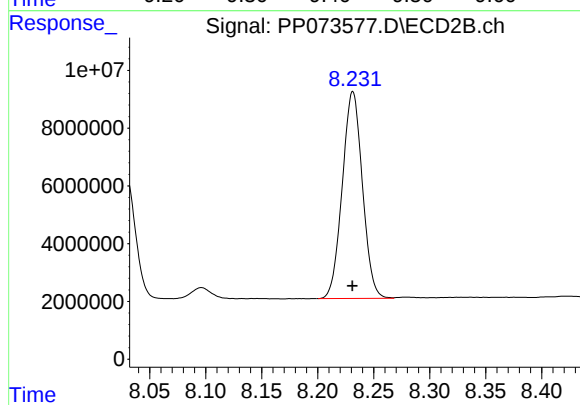
#43 AR-1268-3

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



#44 AR-1268-4

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



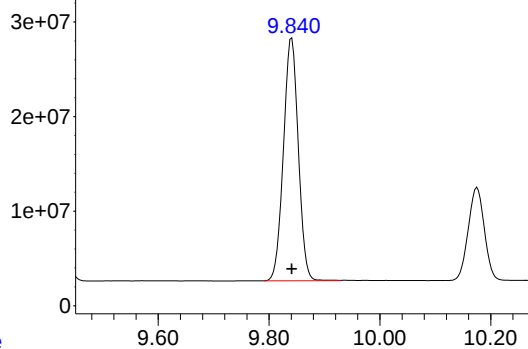
#44 AR-1268-4

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

Response_

Signal: PP073577.D\ECD1A.ch

#45 AR-1268-5



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

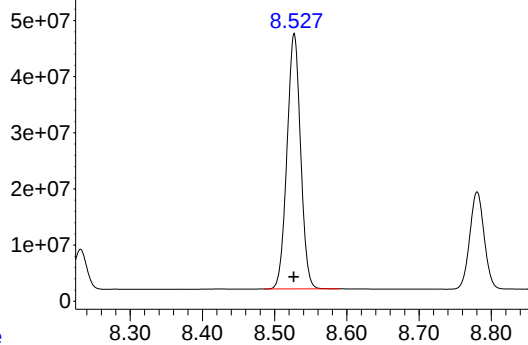
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Time

Response_

Signal: PP073577.D\ECD2B.ch

#45 AR-1268-5



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

Time

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC750

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

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

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

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

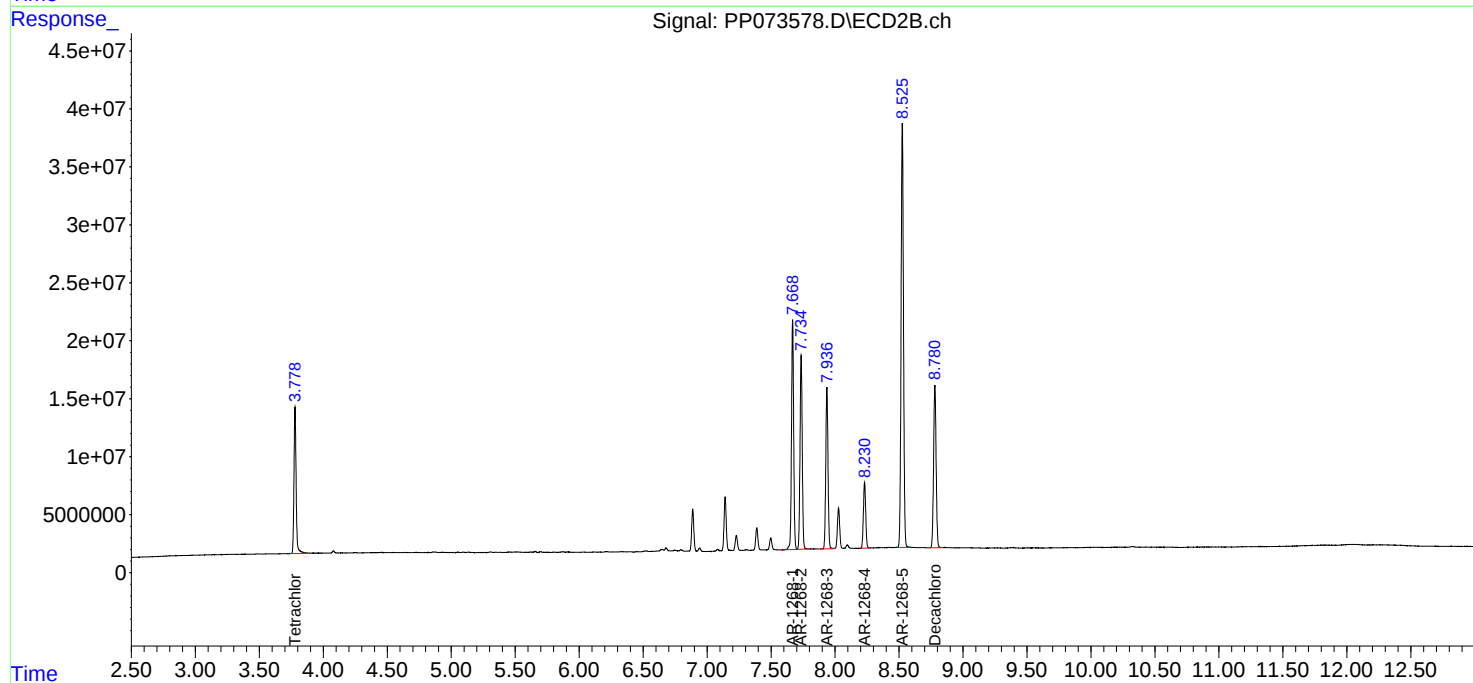
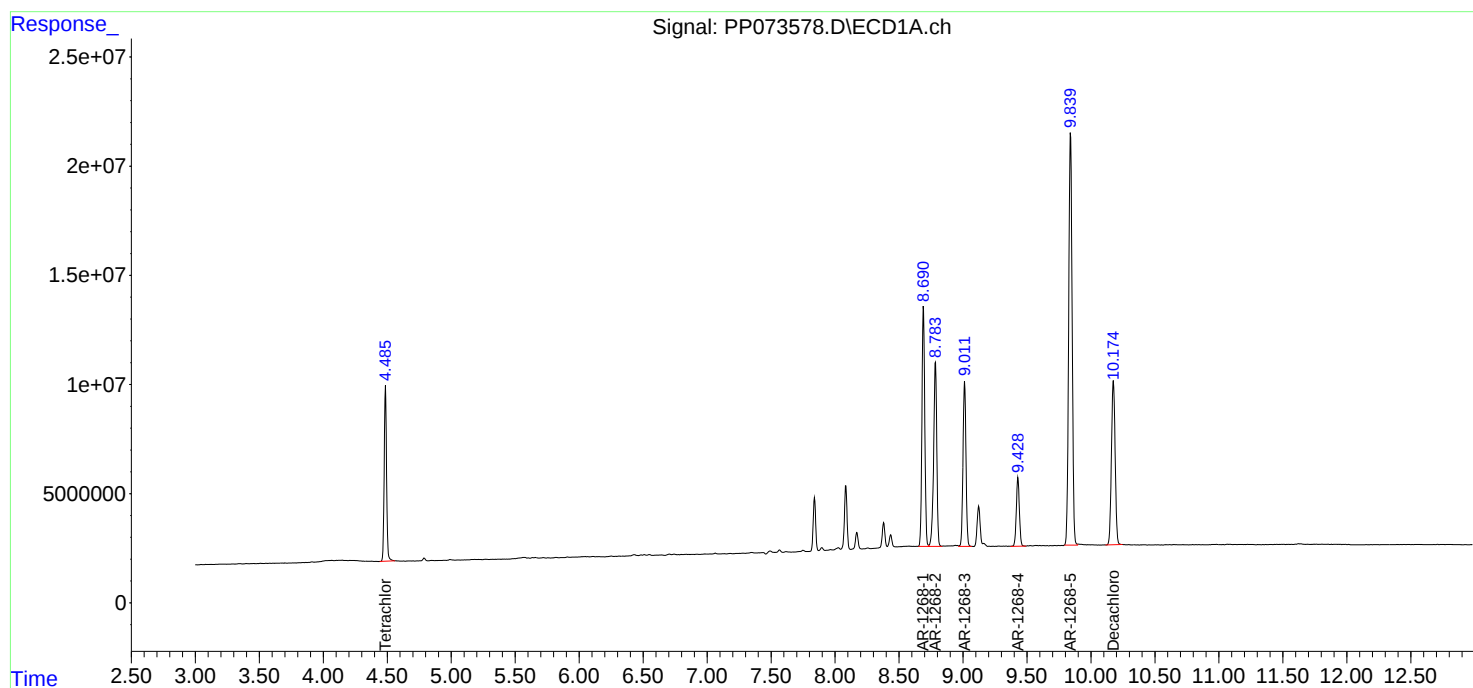
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

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

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



Response_ Signal: PP073578.D\ECD1A.ch

#1 Tetrachloro-m-xylene

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Time

Response_ Signal: PP073578.D\ECD2B.ch

#1 Tetrachloro-m-xylene

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

Time

Response_ Signal: PP073578.D\ECD1A.ch

#2 Decachlorobiphenyl

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

Time

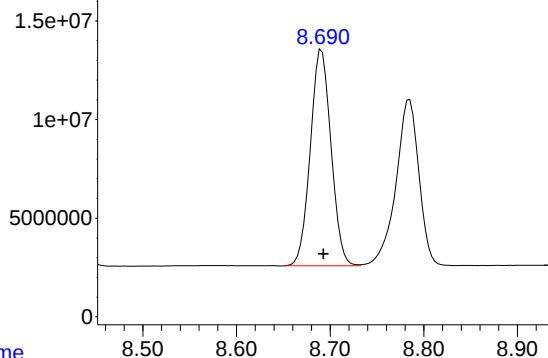
Response_ Signal: PP073578.D\ECD2B.ch

#2 Decachlorobiphenyl

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

Time

Response_ Signal: PP073578.D\ECD1A.ch

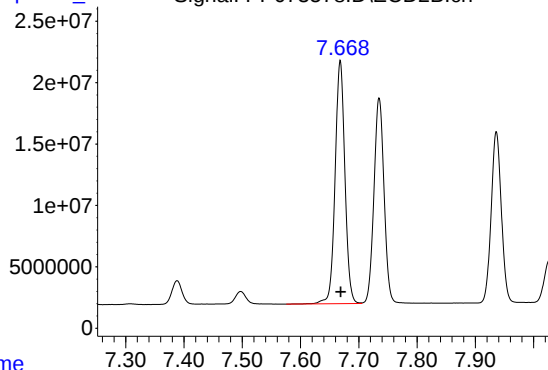


#41 AR-1268-1

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

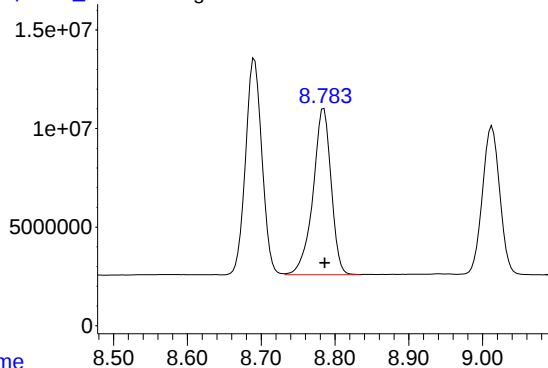
Time Response_ Signal: PP073578.D\ECD2B.ch



#41 AR-1268-1

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

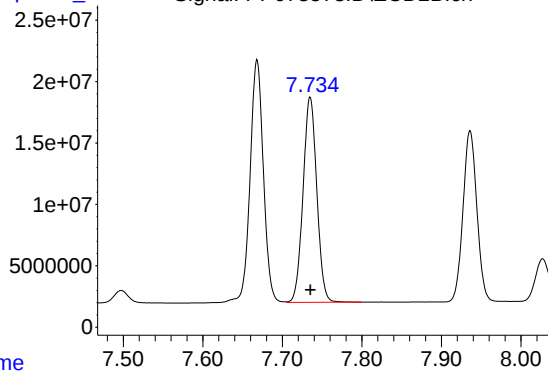
Time Response_ Signal: PP073578.D\ECD1A.ch



#42 AR-1268-2

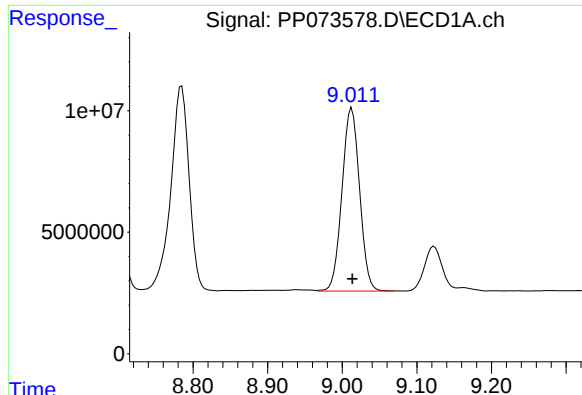
R.T.: 8.785 min
Delta R.T.: -0.001 min
Response: 144045759
Conc: 741.63 ng/ml

Time Response_ Signal: PP073578.D\ECD2B.ch



#42 AR-1268-2

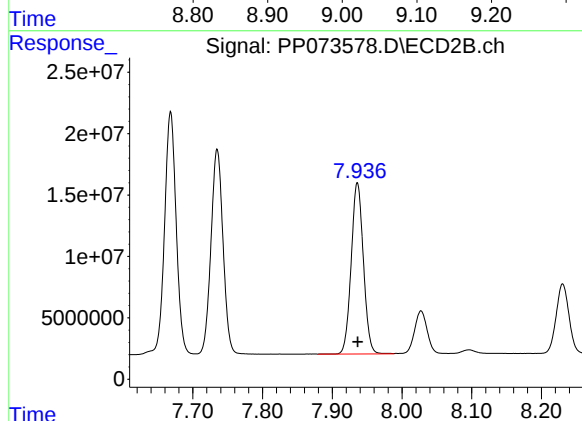
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 200795854
Conc: 750.43 ng/ml



#43 AR-1268-3

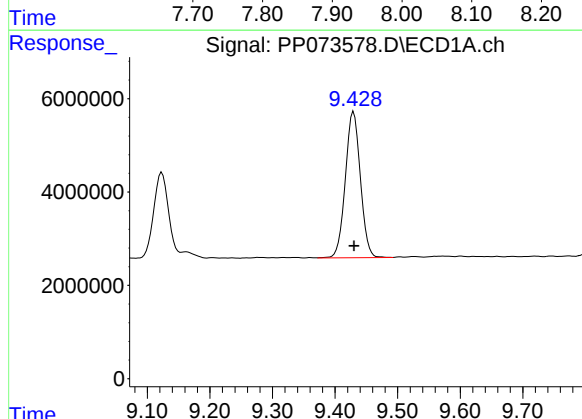
R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 123284607
Conc: 739.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



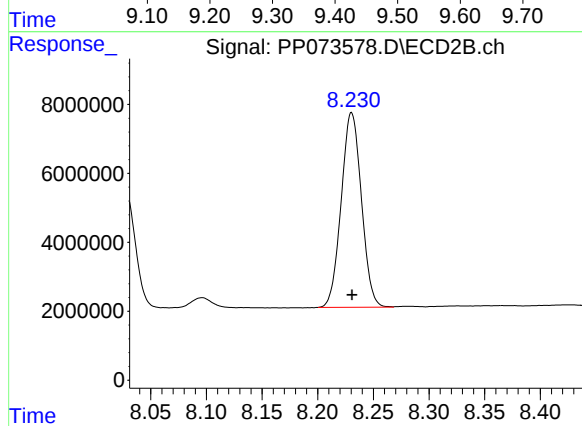
#43 AR-1268-3

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



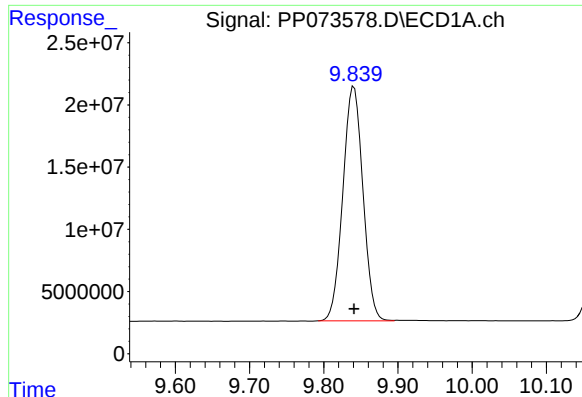
#44 AR-1268-4

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



#44 AR-1268-4

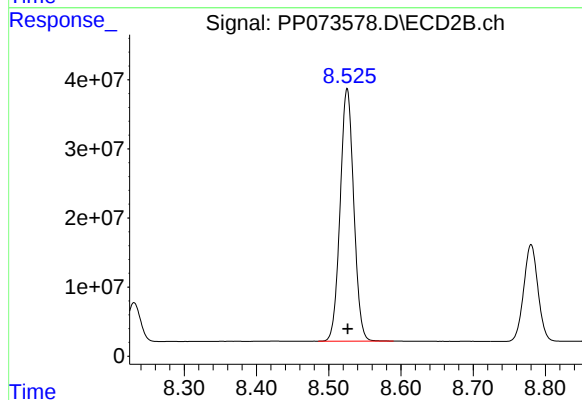
R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 71323535
Conc: 749.05 ng/ml



#45 AR-1268-5

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750



#45 AR-1268-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC500

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

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

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

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

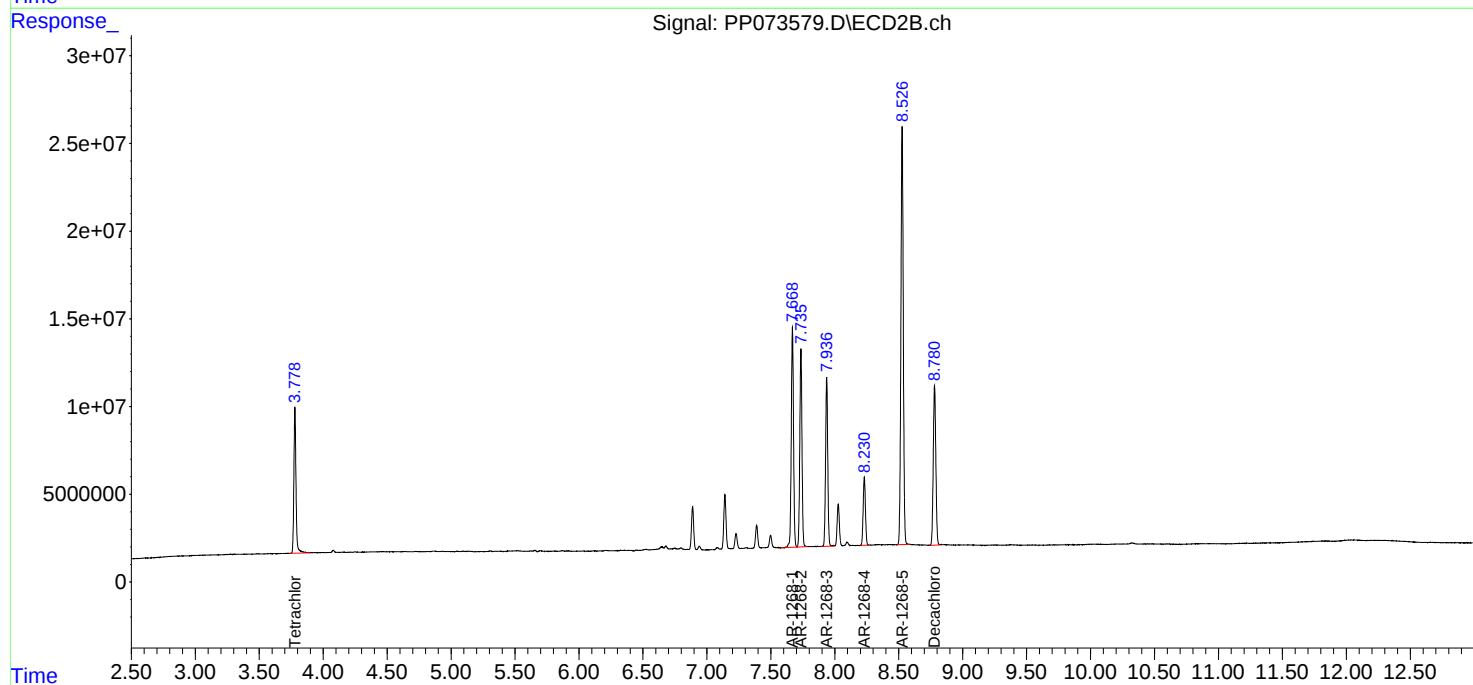
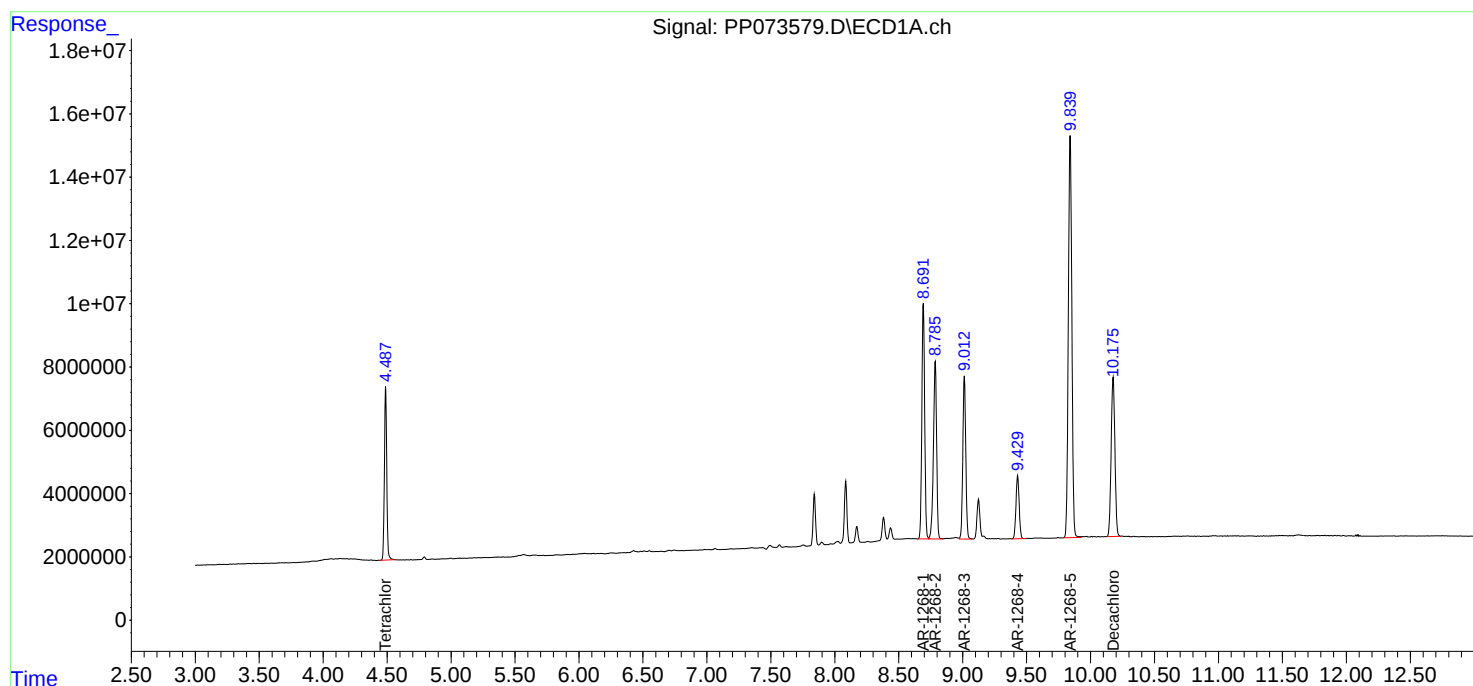
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

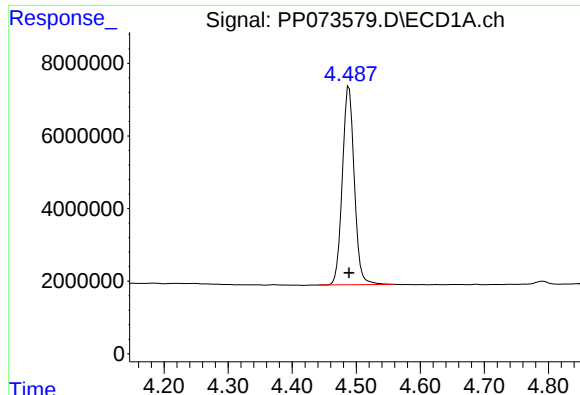
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 03:52
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

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

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

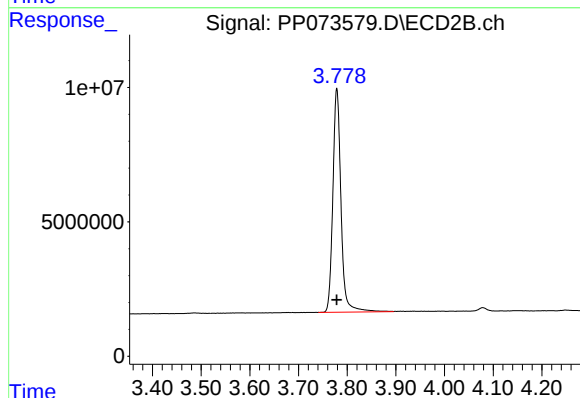




#1 Tetrachloro-m-xylene

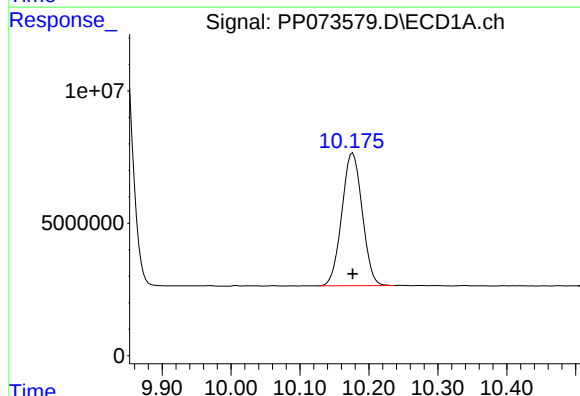
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 70790889
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



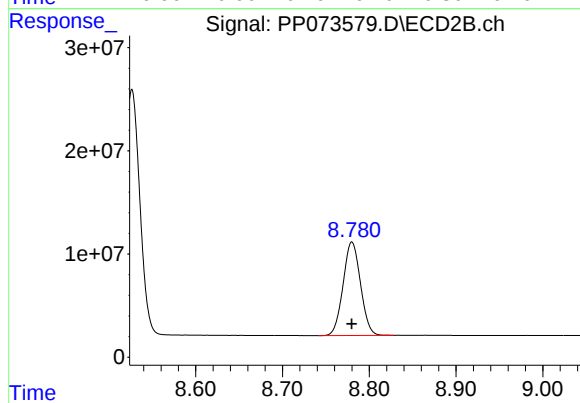
#1 Tetrachloro-m-xylene

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



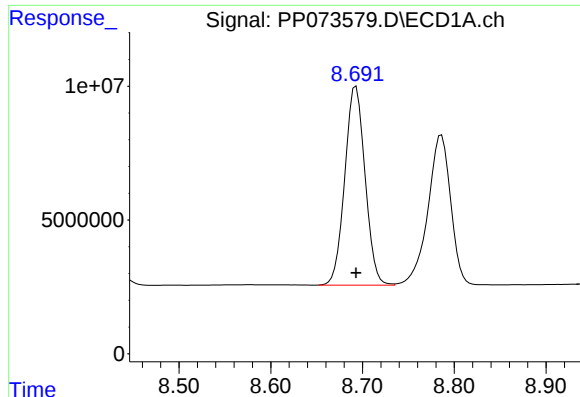
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

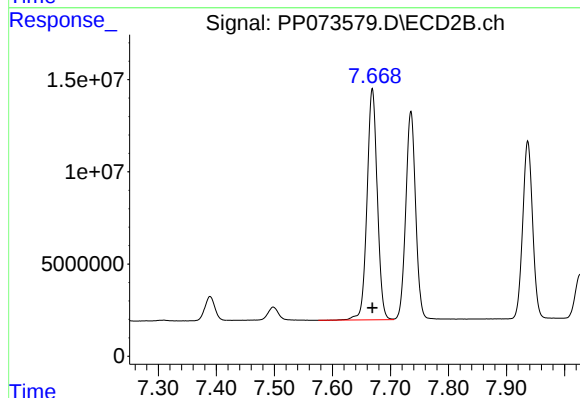
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 126750897
Conc: 50.00 ng/ml



#41 AR-1268-1

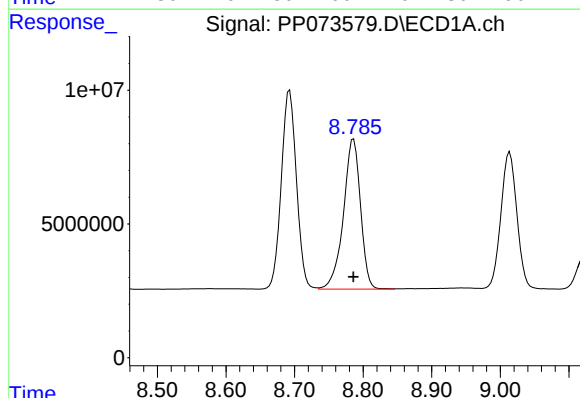
R.T.: 8.693 min
Delta R.T.: 0.000 min
Response: 114041971
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



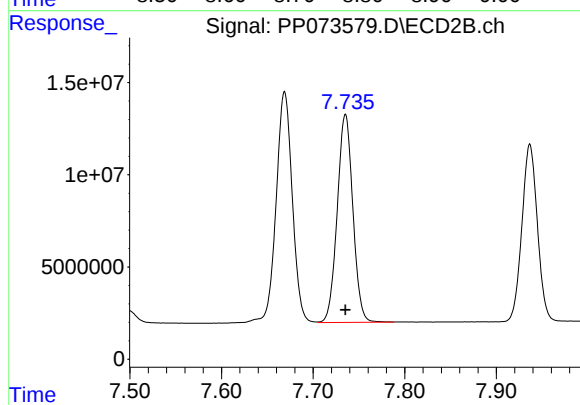
#41 AR-1268-1

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



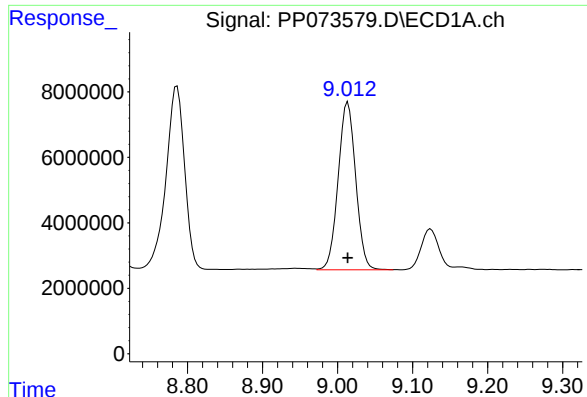
#42 AR-1268-2

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



#42 AR-1268-2

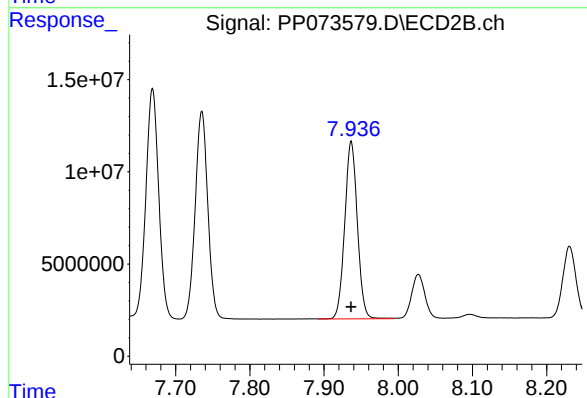
R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 133787705
Conc: 500.00 ng/ml



#43 AR-1268-3

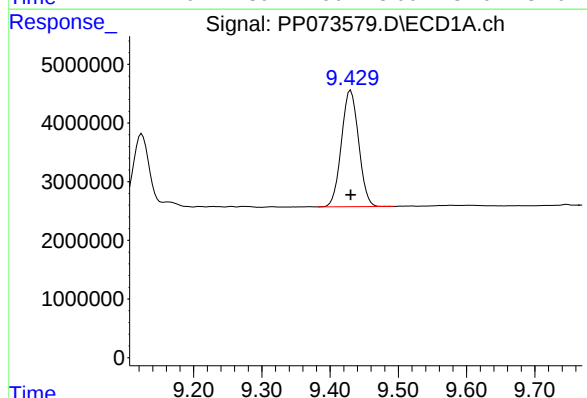
R.T.: 9.014 min
Delta R.T.: 0.000 min
Response: 83354053
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



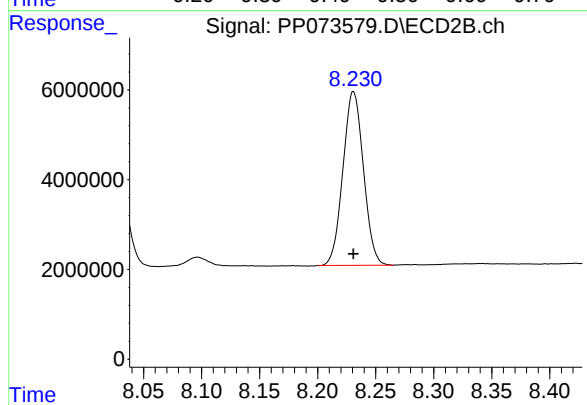
#43 AR-1268-3

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



#44 AR-1268-4

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



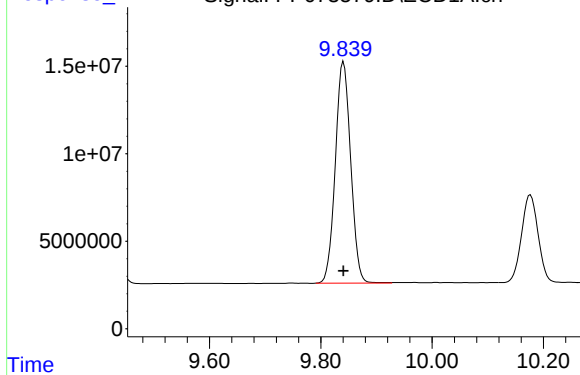
#44 AR-1268-4

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

Response_

Signal: PP073579.D\ECD1A.ch

#45 AR-1268-5



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

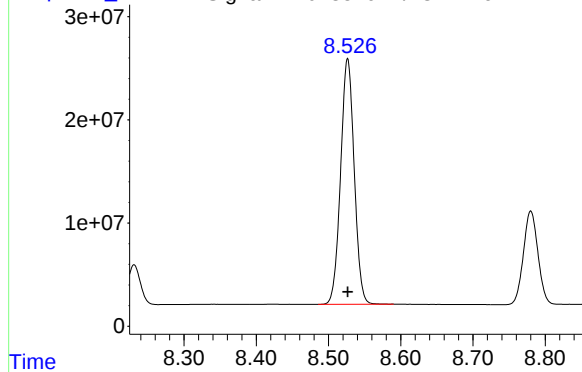
Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PP073579.D\ECD2B.ch

#45 AR-1268-5



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

Time

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC250

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

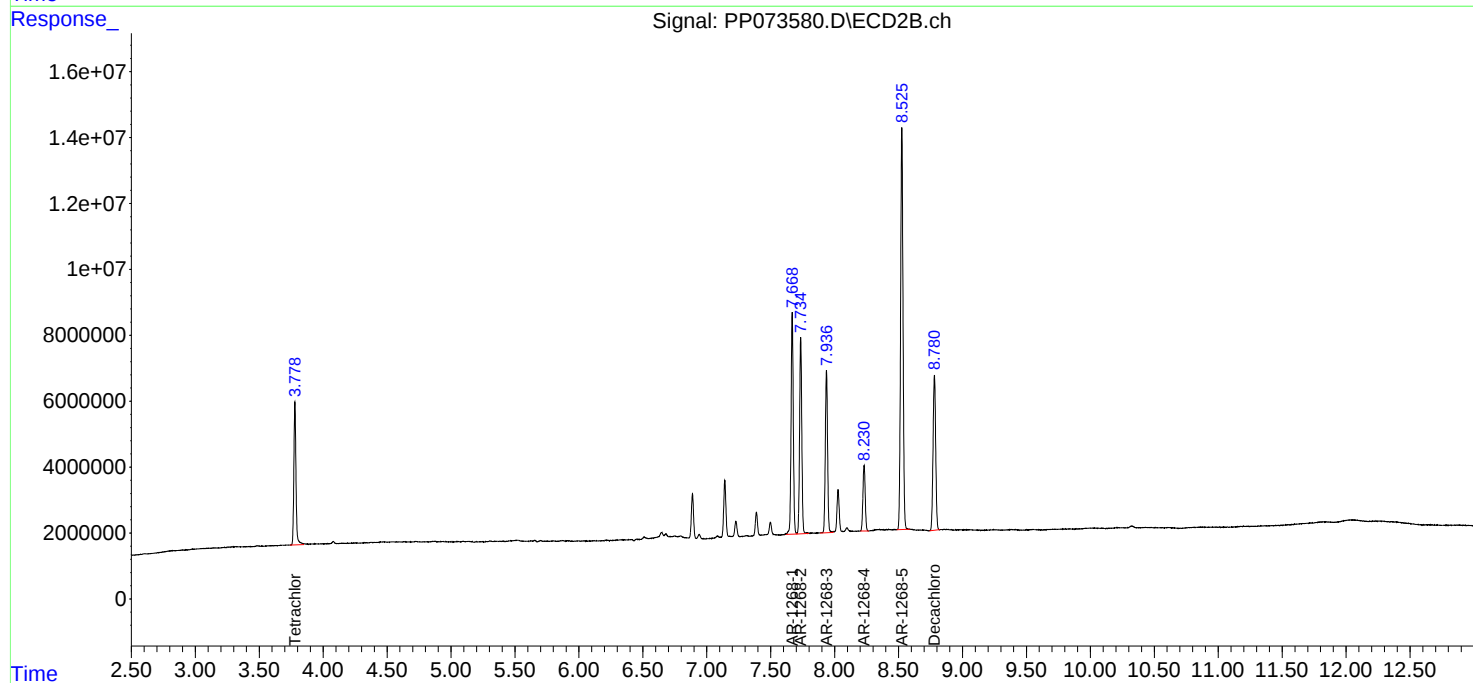
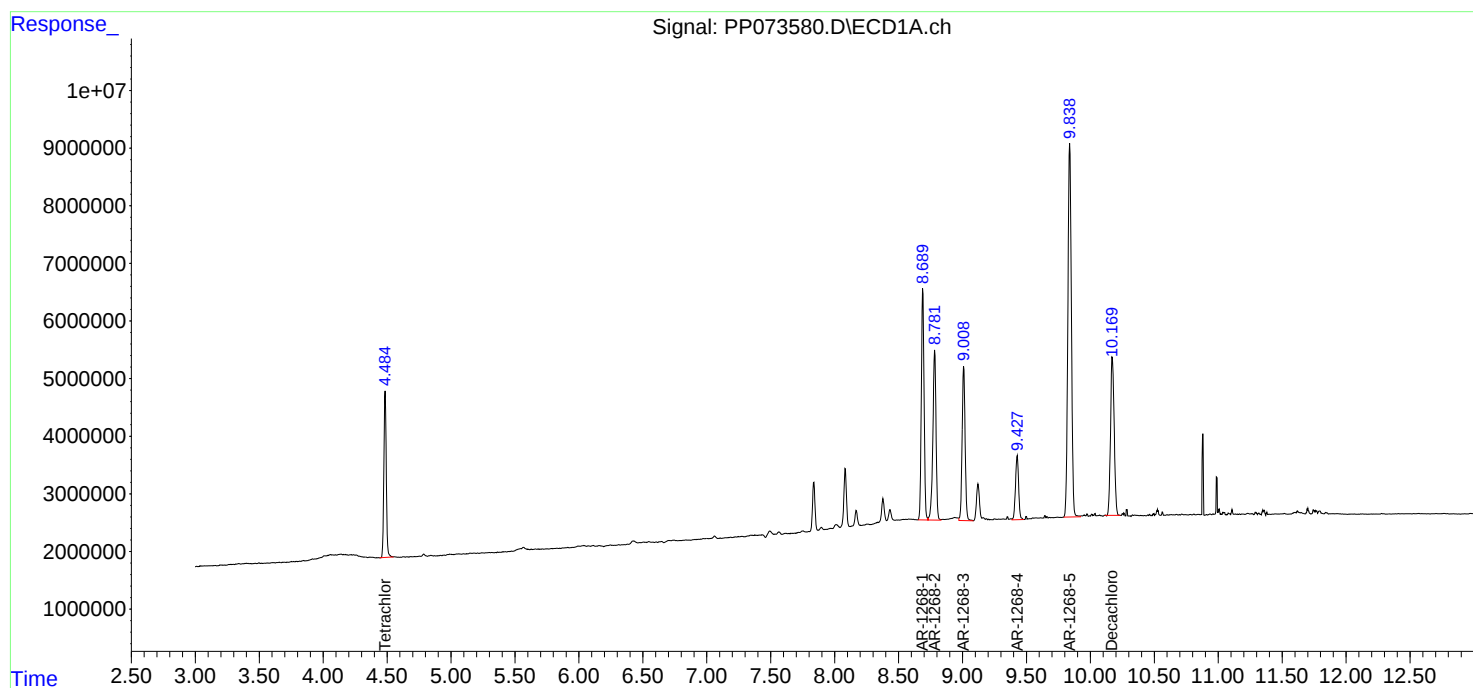
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

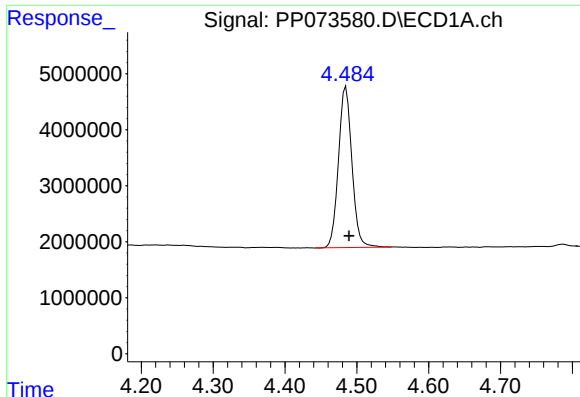
Manual Integrations
APPROVED

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

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

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





#1 Tetrachloro-m-xylene

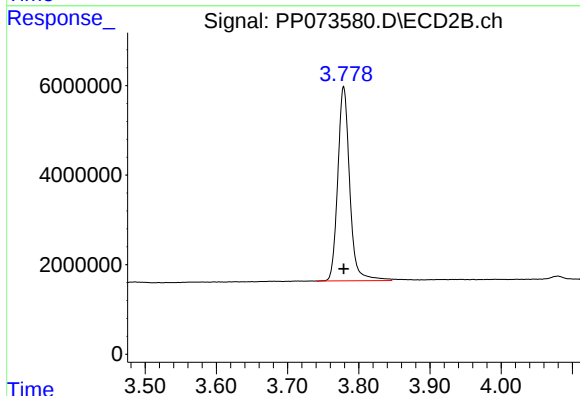
R.T.: 4.485 min
Delta R.T.: -0.004 min
Response: 37383725
Conc: 26.40 ng/ml

ICAL Form

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

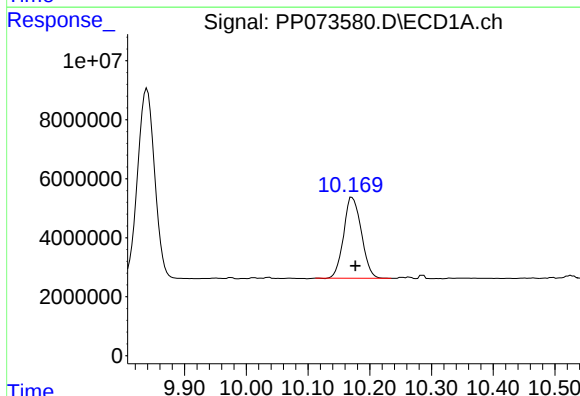
Manual Integrations
APPROVED

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



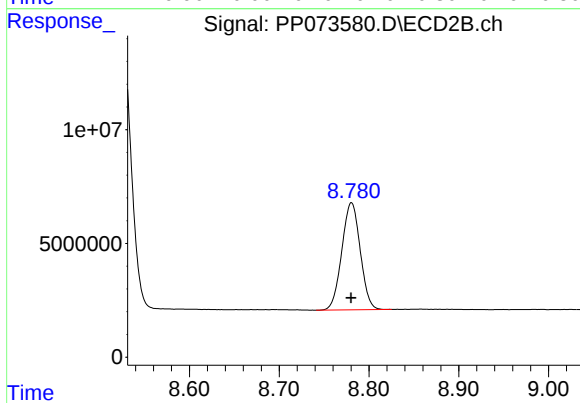
#1 Tetrachloro-m-xylene

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



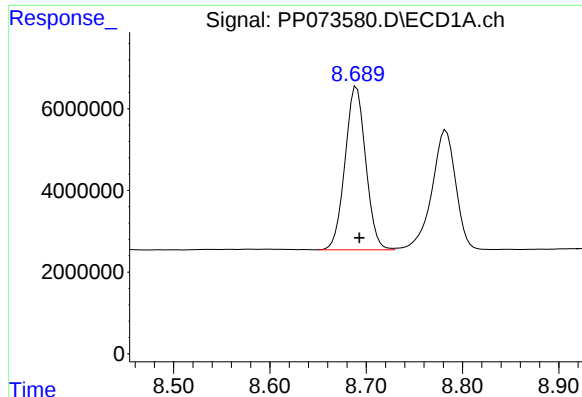
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



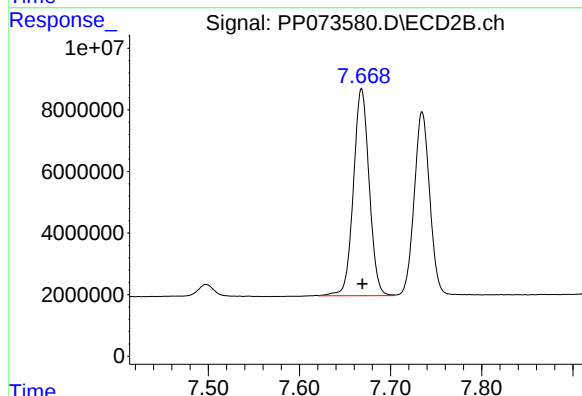
#41 AR-1268-1

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

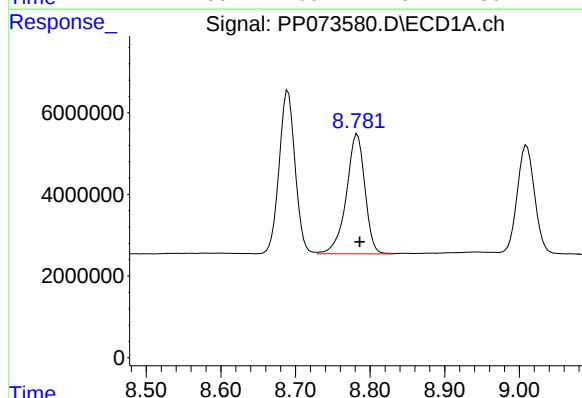
Manual Integrations
APPROVED

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



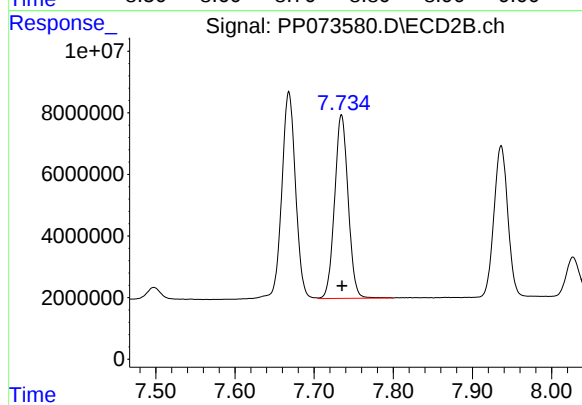
#41 AR-1268-1

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



#42 AR-1268-2

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

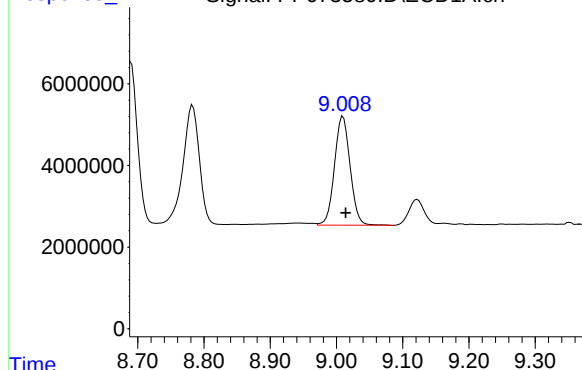


#42 AR-1268-2

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

Response_ Signal: PP073580.D\ECD1A.ch

#43 AR-1268-3



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

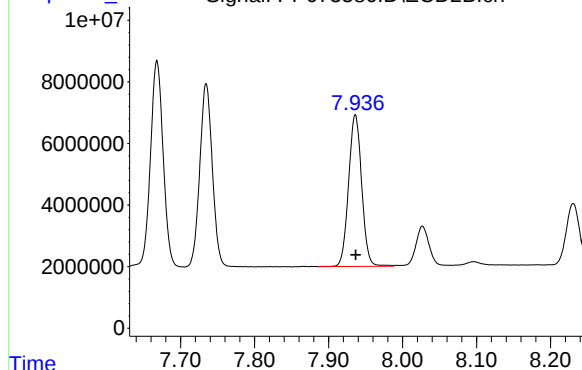
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

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

Response_ Signal: PP073580.D\ECD2B.ch

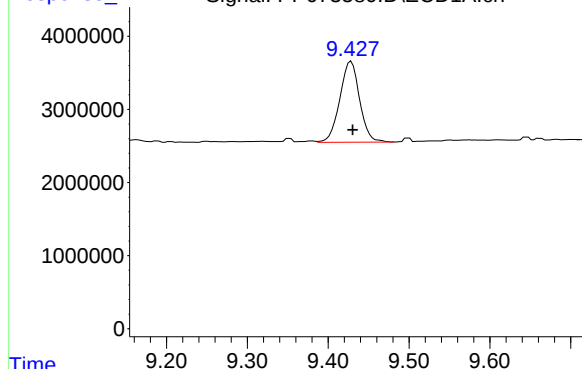
#43 AR-1268-3



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

Response_ Signal: PP073580.D\ECD1A.ch

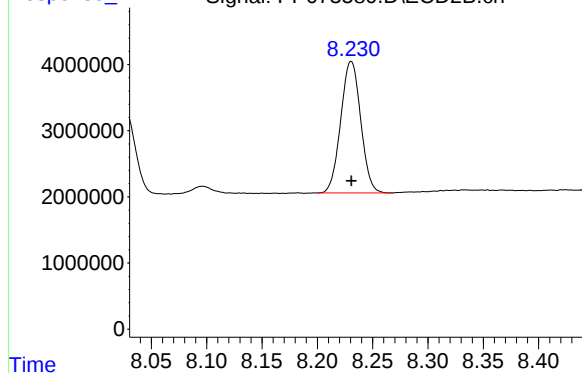
#44 AR-1268-4



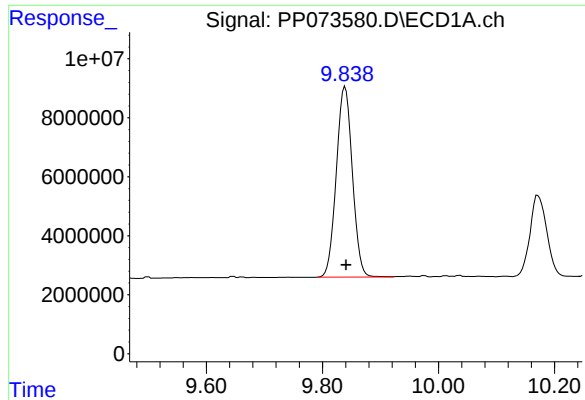
R.T.: 9.428 min
Delta R.T.: -0.002 min
Response: 18771767
Conc: 269.87 ng/ml

Response_ Signal: PP073580.D\ECD2B.ch

#44 AR-1268-4



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



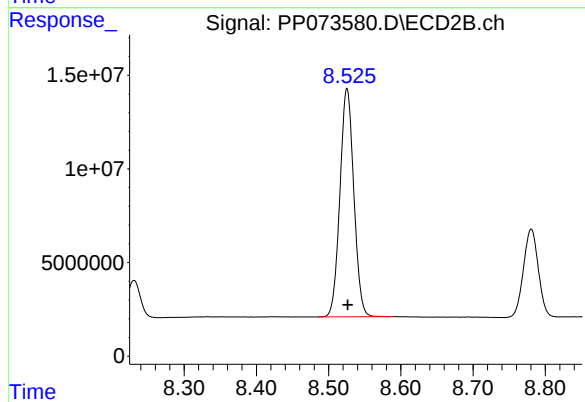
#45 AR-1268-5

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

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



#45 AR-1268-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

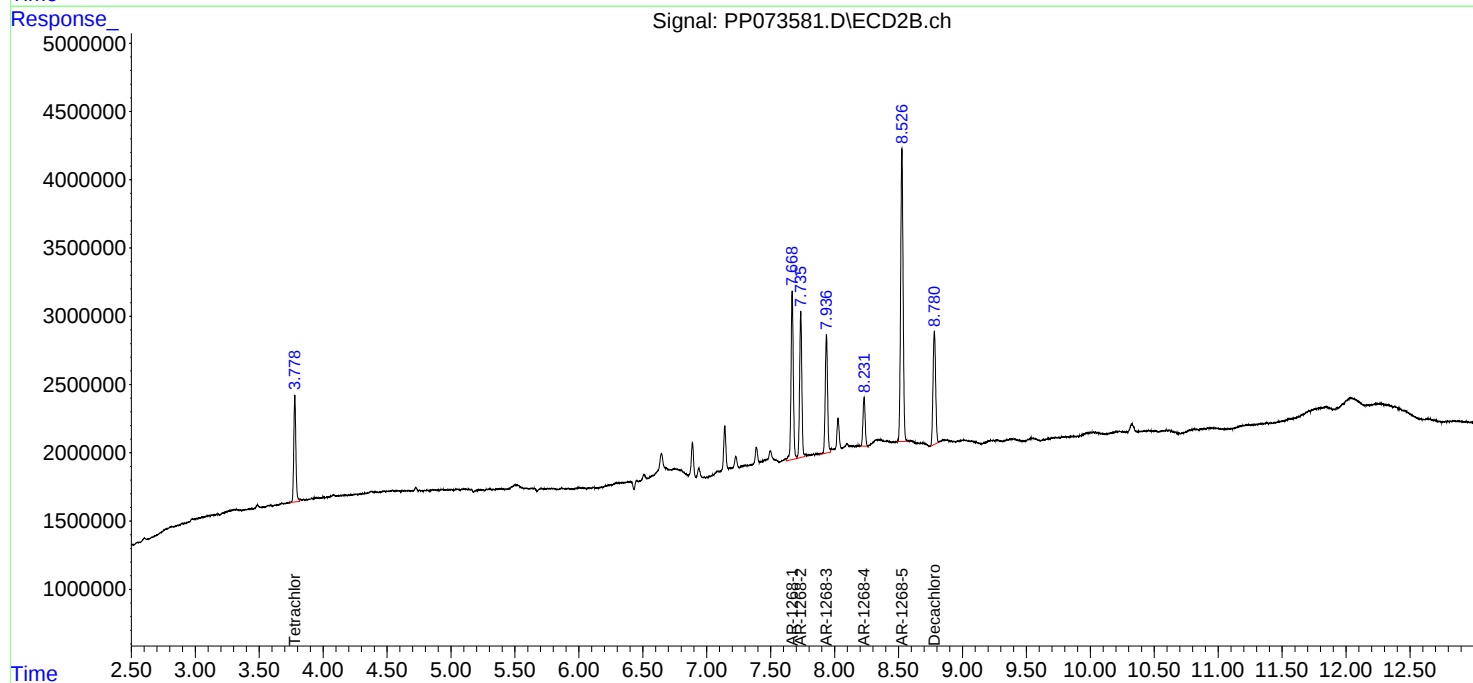
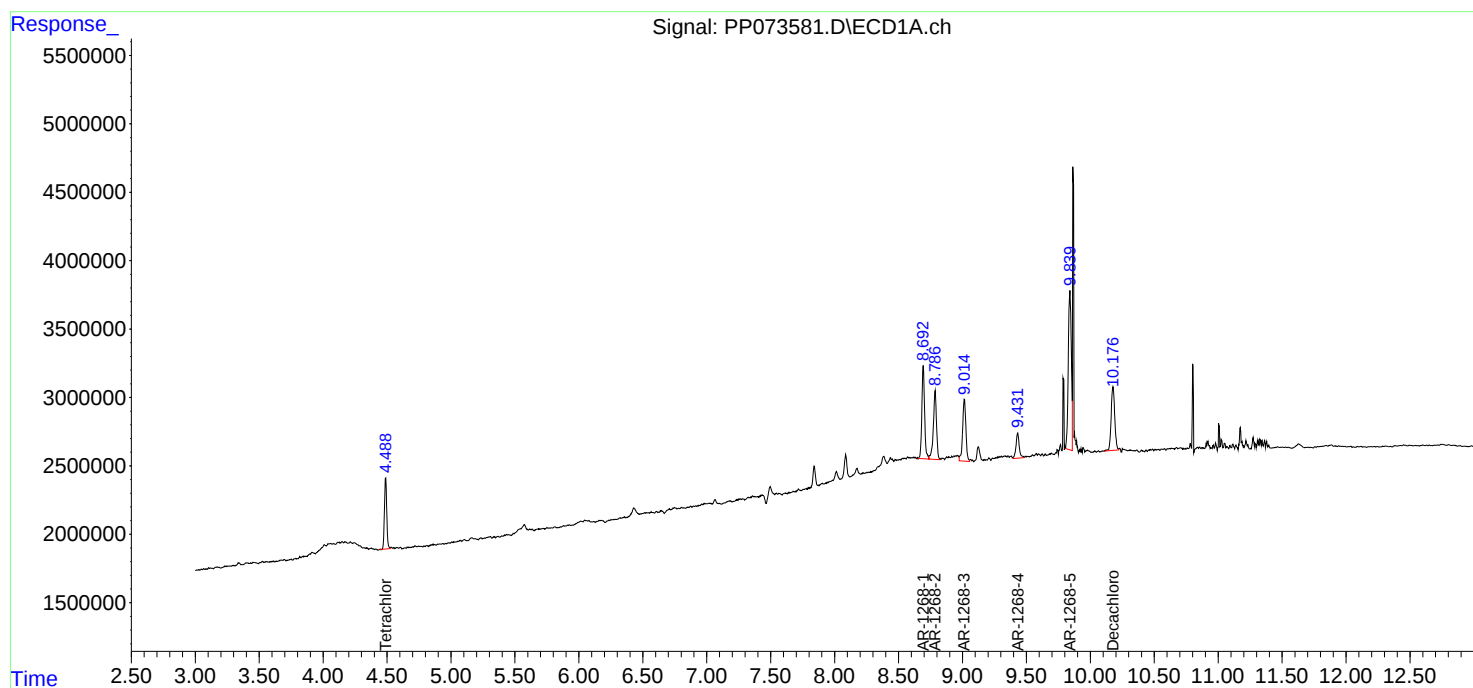
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

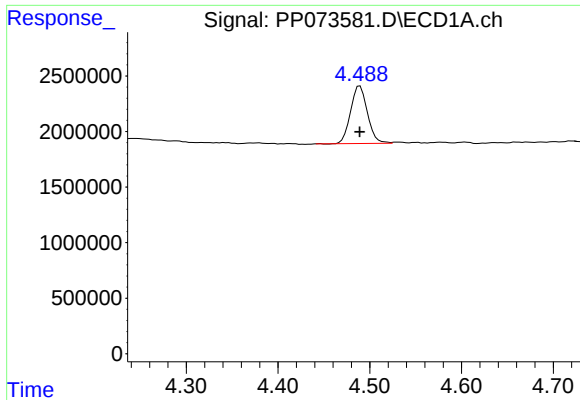
Manual Integrations
APPROVED

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

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

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





#1 Tetrachloro-m-xylene

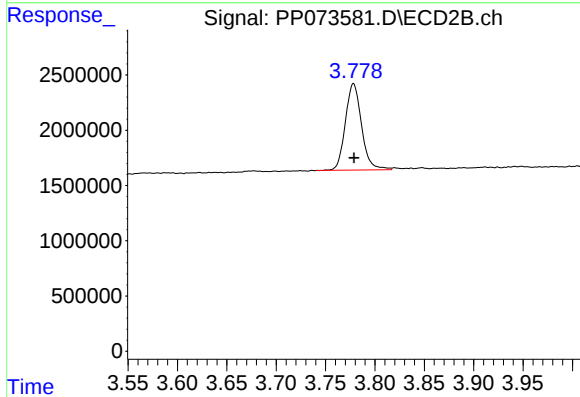
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 6570480
Conc: 4.65 ng/ml

ICAL Form

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

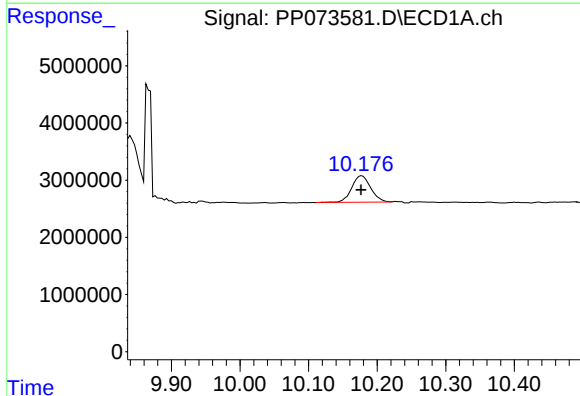
Manual Integrations
APPROVED

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



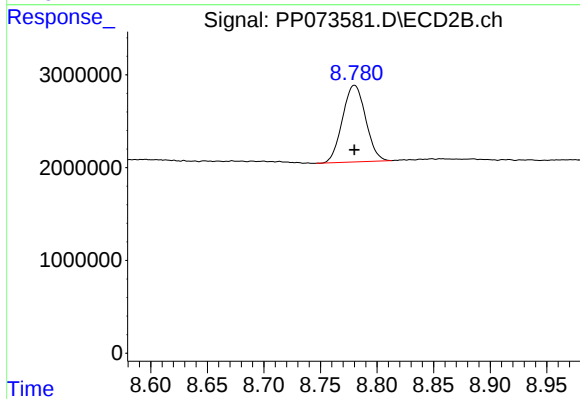
#1 Tetrachloro-m-xylene

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



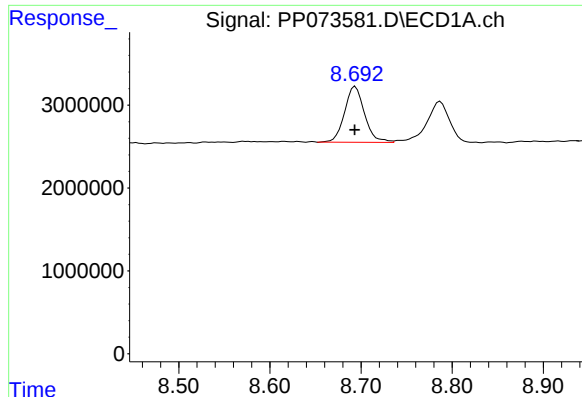
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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



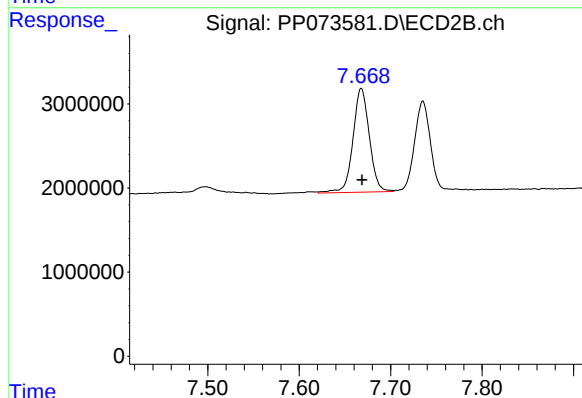
#41 AR-1268-1

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

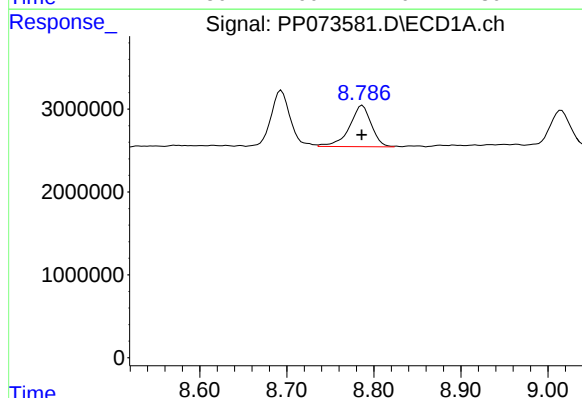
Manual Integrations
APPROVED

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



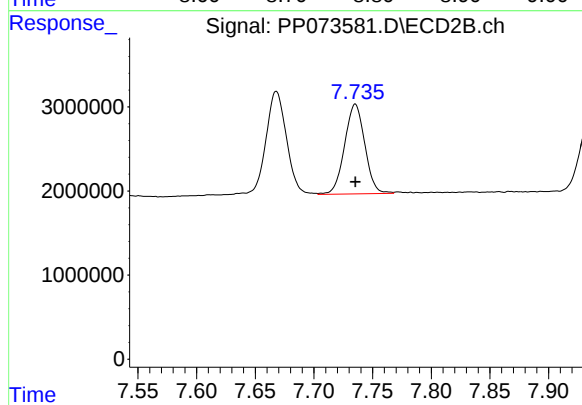
#41 AR-1268-1

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



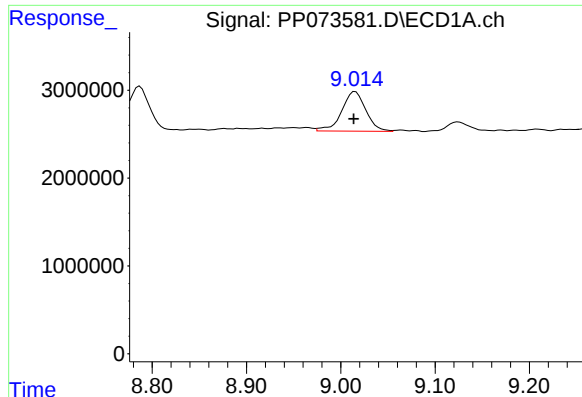
#42 AR-1268-2

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



#42 AR-1268-2

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



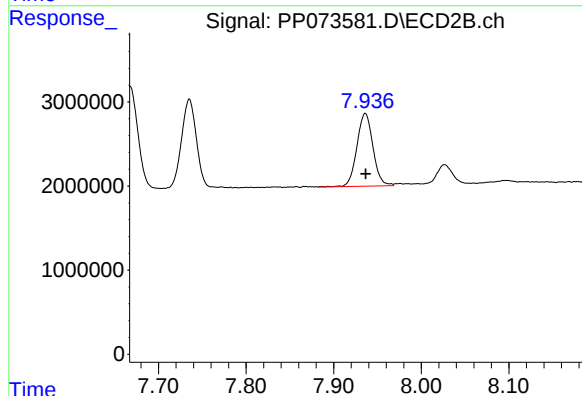
#43 AR-1268-3

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

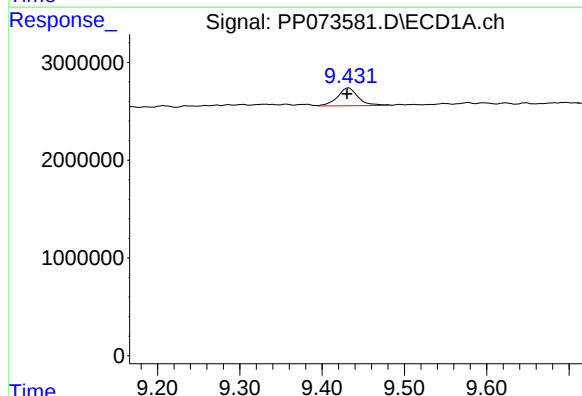
Manual Integrations
APPROVED

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



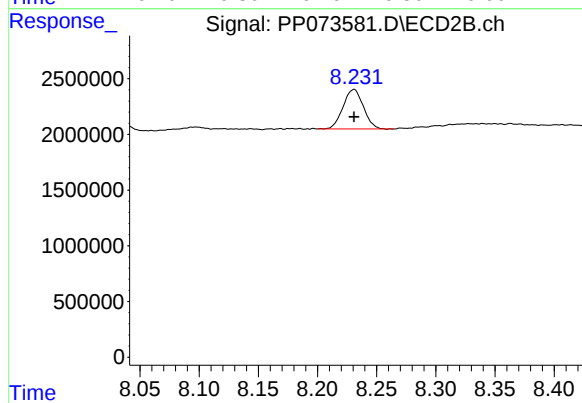
#43 AR-1268-3

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



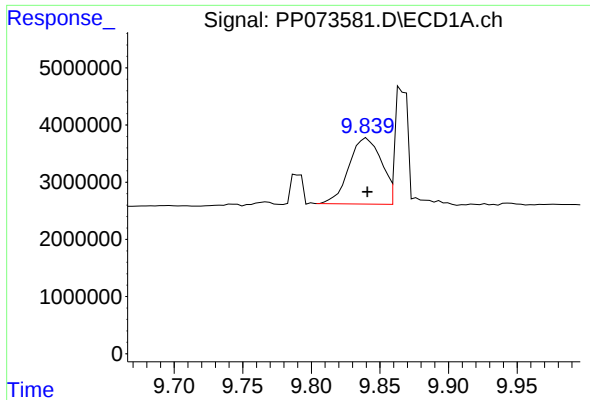
#44 AR-1268-4

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



#44 AR-1268-4

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



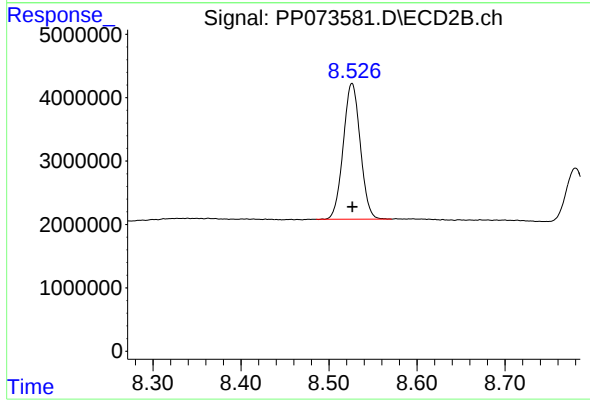
#45 AR-1268-5

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

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 07/09/2025



#45 AR-1268-5

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

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

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP070825

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.485	3.779	72260983	95891777	52.763	52.050
2)	SA Decachlor...	10.173	8.780	57429181	73824211	52.636	55.794
Target Compounds							
3)	L1 AR-1016-1	5.636	4.857	23819344	35187796	501.317	516.141
4)	L1 AR-1016-2	5.657	4.875	36673403	52182388	514.968	512.173
5)	L1 AR-1016-3	5.719	5.051	22168045	28112093	507.707	519.571
6)	L1 AR-1016-4	5.817	5.093	18666023	22689979	519.286	517.082
7)	L1 AR-1016-5	6.109	5.307	16712865	28698340	533.439	525.779
31)	L7 AR-1260-1	7.226	6.337	30361600	49427132	514.942	506.632
32)	L7 AR-1260-2	7.479	6.525	43933298	61439670	458.403	500.170
33)	L7 AR-1260-3	7.837	6.677	37495485	56331160	513.140	514.610
34)	L7 AR-1260-4	8.061	7.146	33945827	47047060	519.845	526.204
35)	L7 AR-1260-5	8.379	7.389	79838825	118.4E6	529.250	526.873

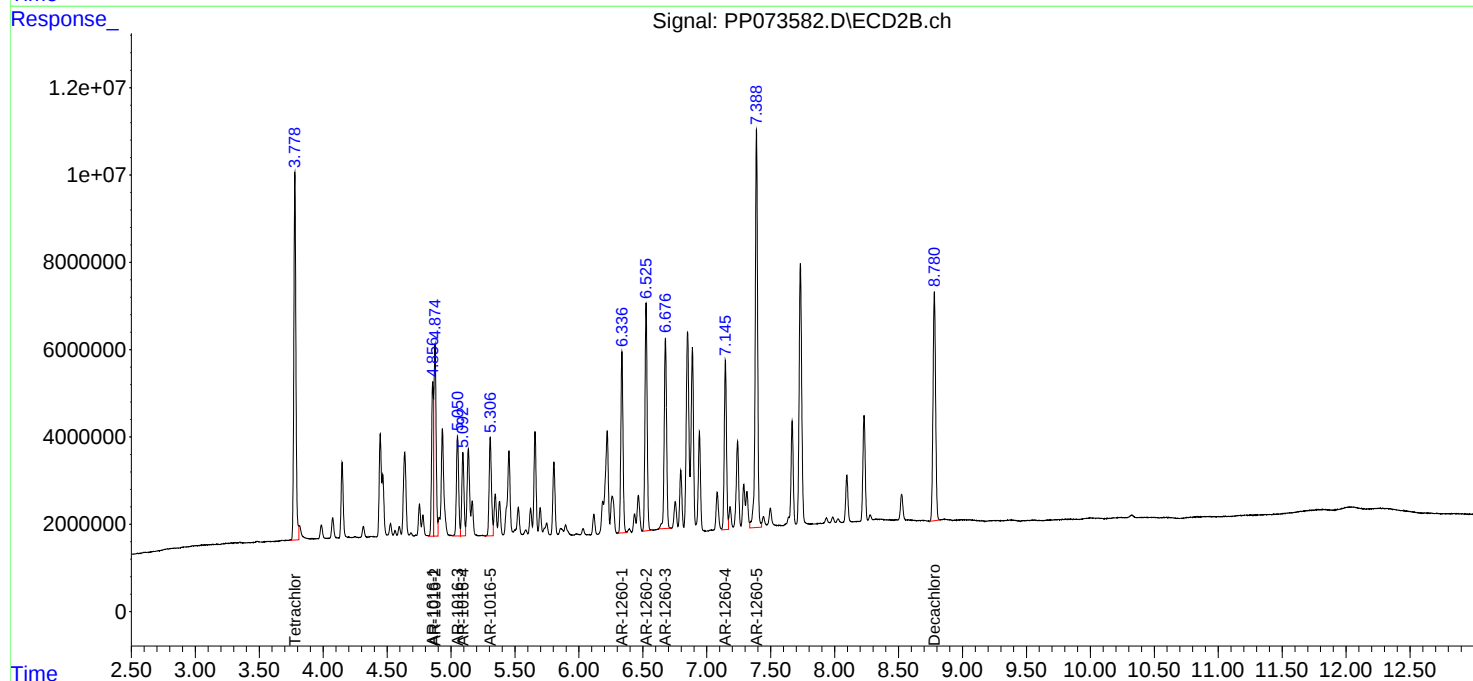
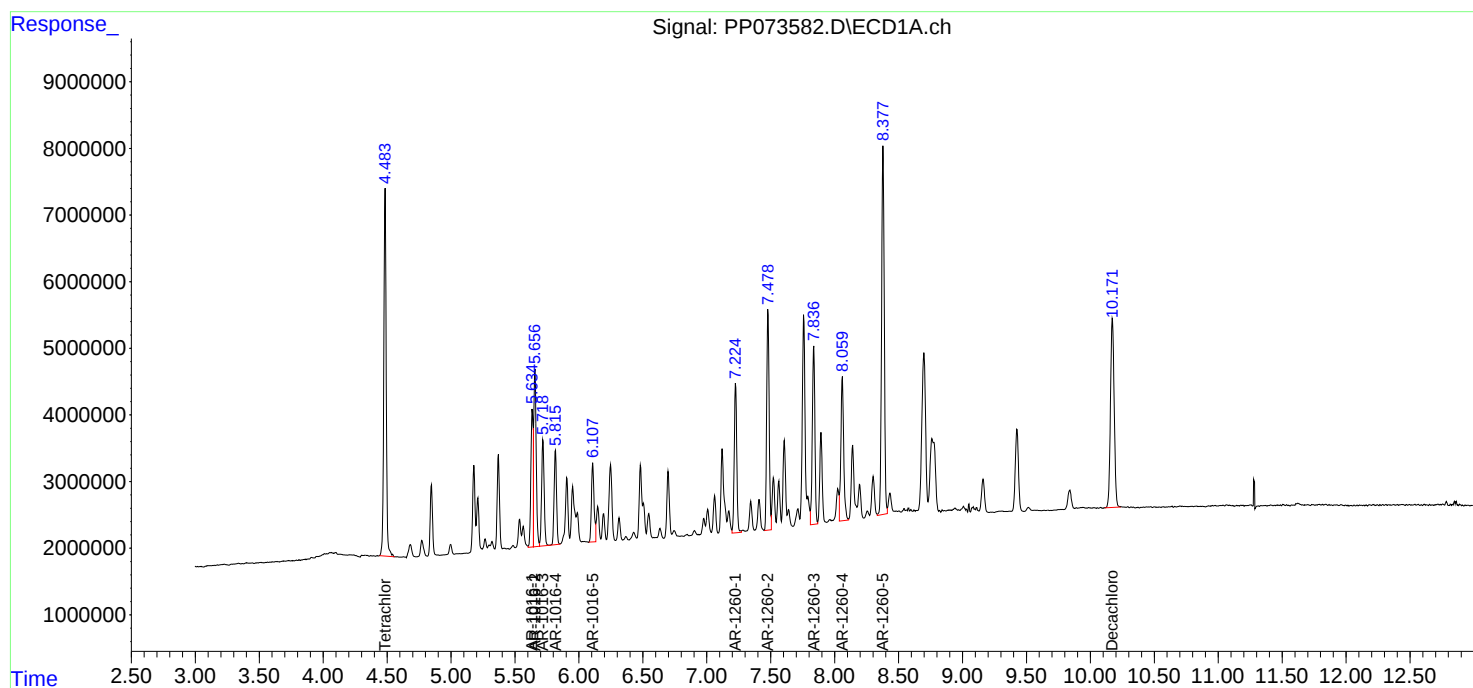
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

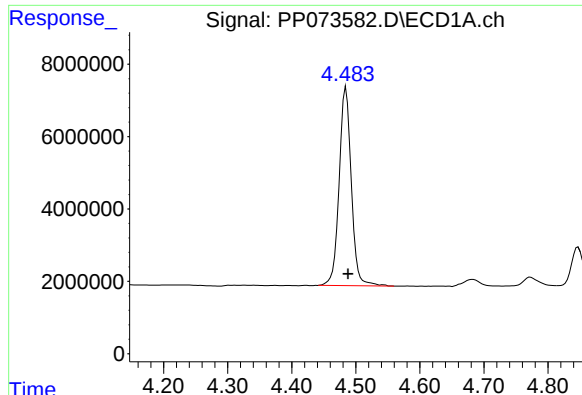
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 04:41
Operator : YP\AJ
Sample : PP070125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825

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

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

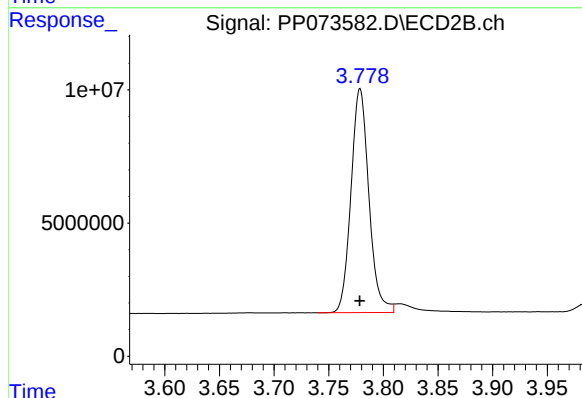




#1 Tetrachloro-m-xylene

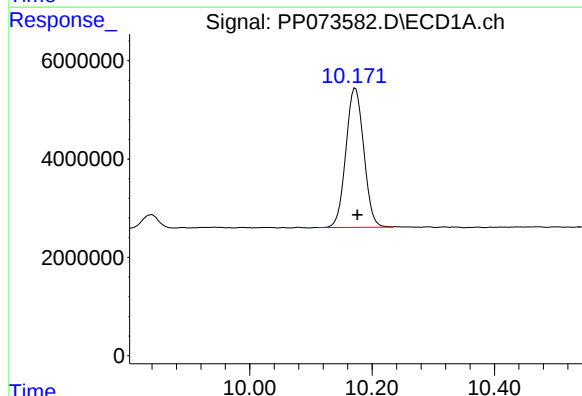
R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 72260983
Conc: 52.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



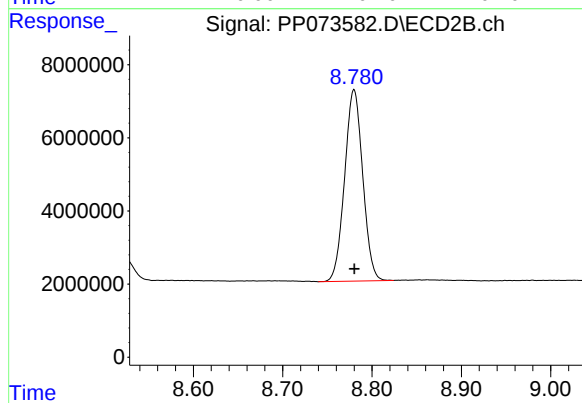
#1 Tetrachloro-m-xylene

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



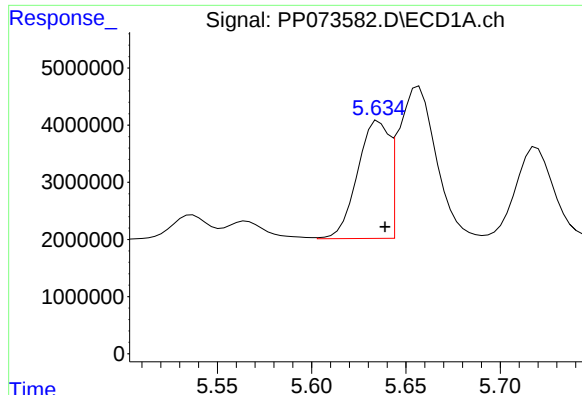
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

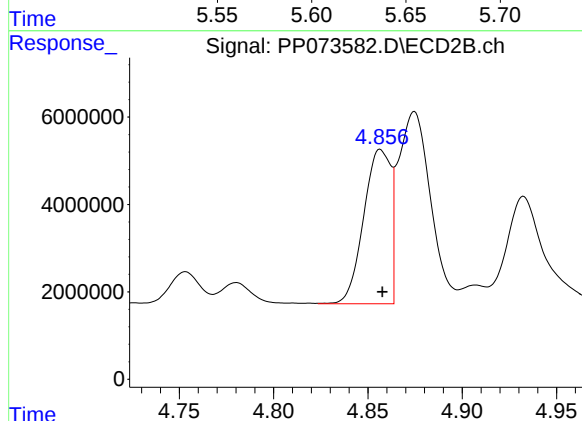
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 73824211
Conc: 55.79 ng/ml



#3 AR-1016-1

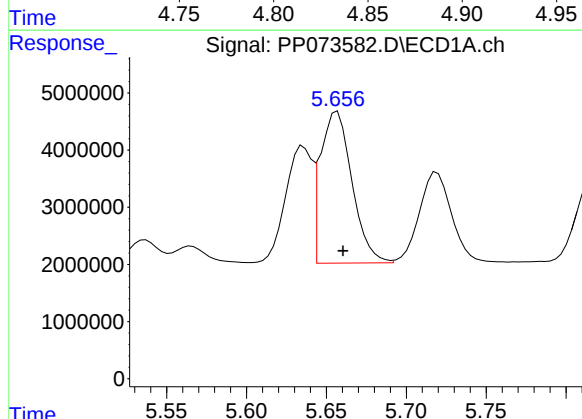
R.T.: 5.636 min
Delta R.T.: -0.003 min
Response: 23819344
Conc: 501.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



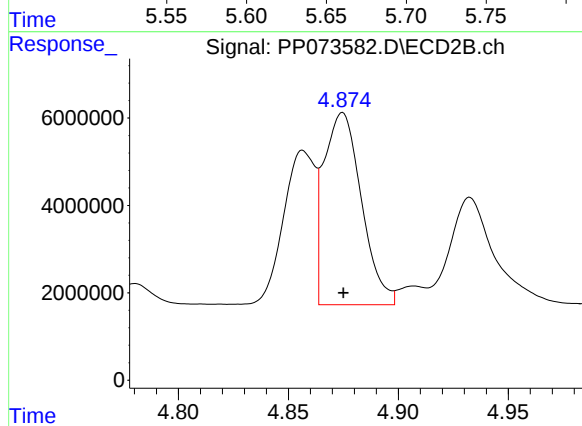
#3 AR-1016-1

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



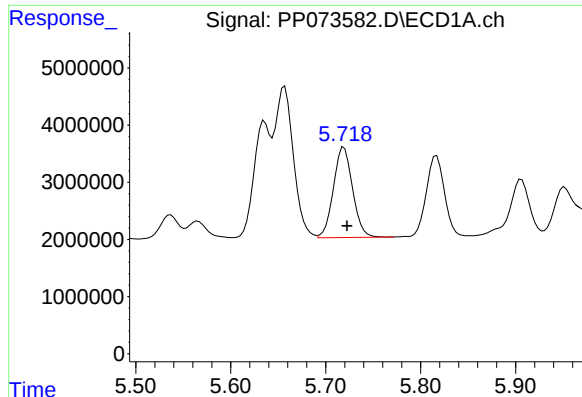
#4 AR-1016-2

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



#4 AR-1016-2

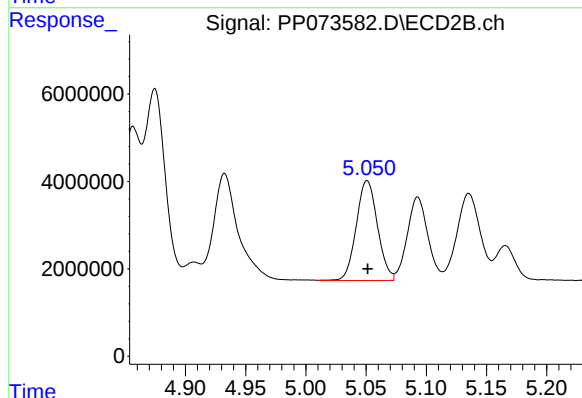
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 52182388
Conc: 512.17 ng/ml



#5 AR-1016-3

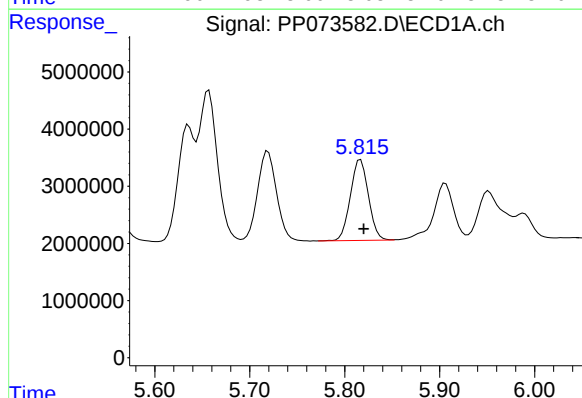
R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 22168045
Conc: 507.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



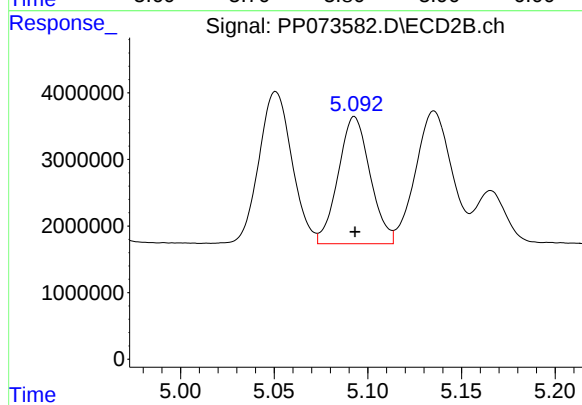
#5 AR-1016-3

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



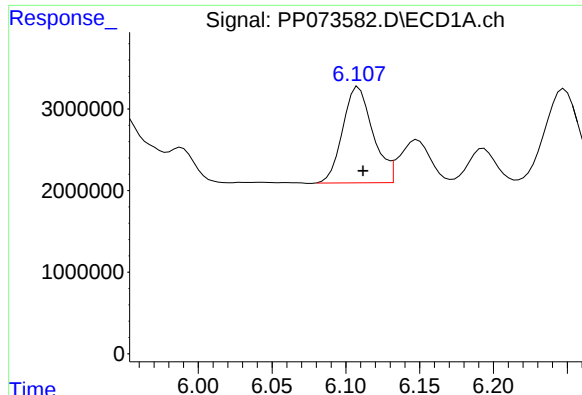
#6 AR-1016-4

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



#6 AR-1016-4

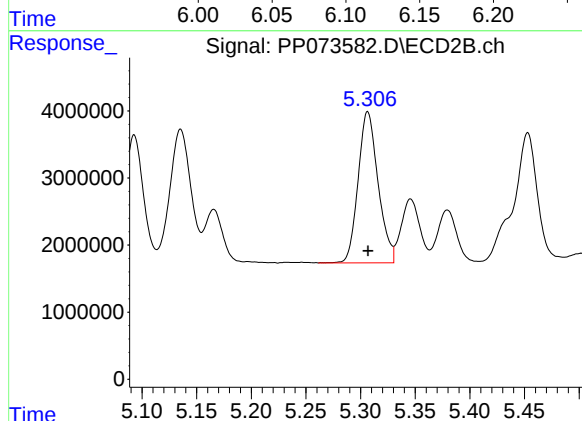
R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 22689979
Conc: 517.08 ng/ml



#7 AR-1016-5

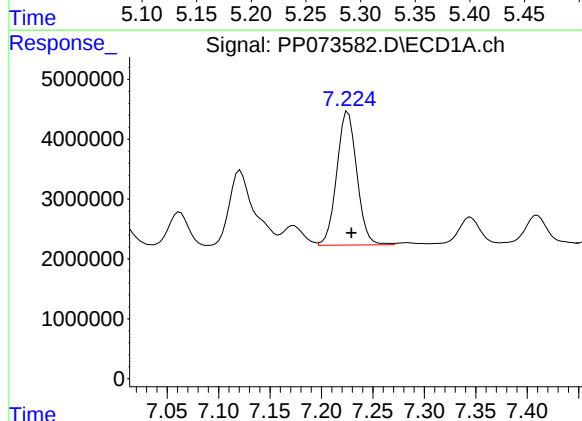
R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 16712865
Conc: 533.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



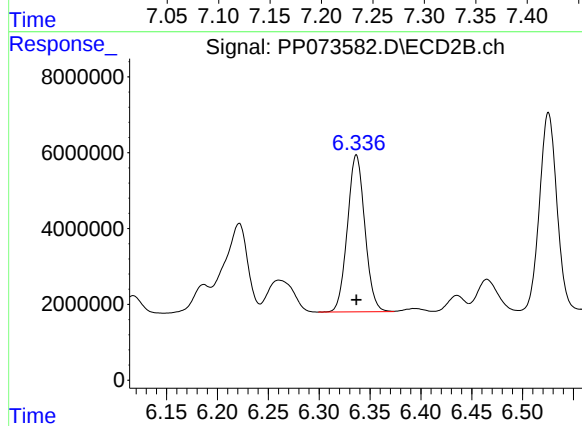
#7 AR-1016-5

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



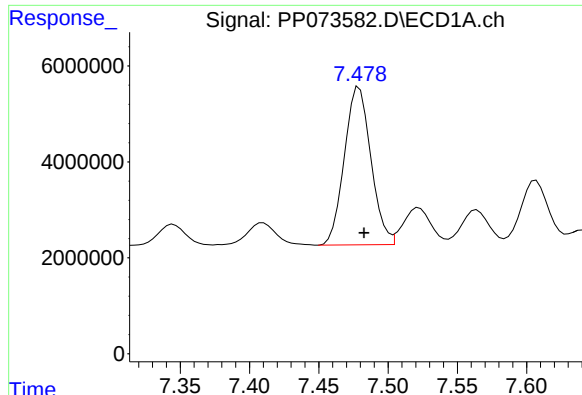
#31 AR-1260-1

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



#31 AR-1260-1

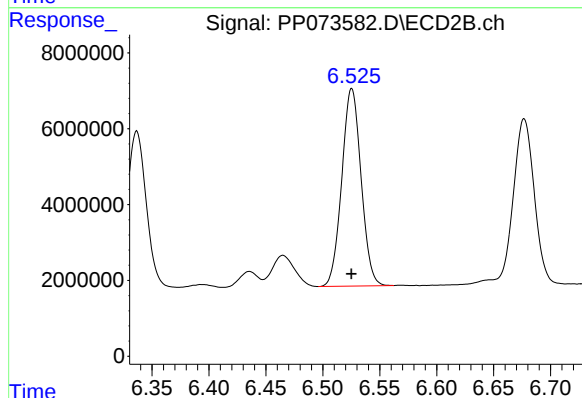
R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 49427132
Conc: 506.63 ng/ml



#32 AR-1260-2

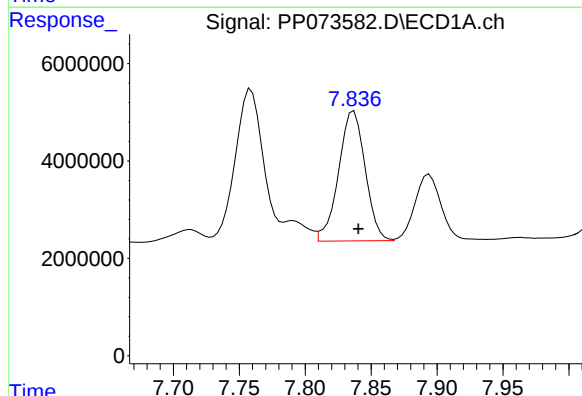
R.T.: 7.479 min
Delta R.T.: -0.004 min
Response: 43933298
Conc: 458.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825



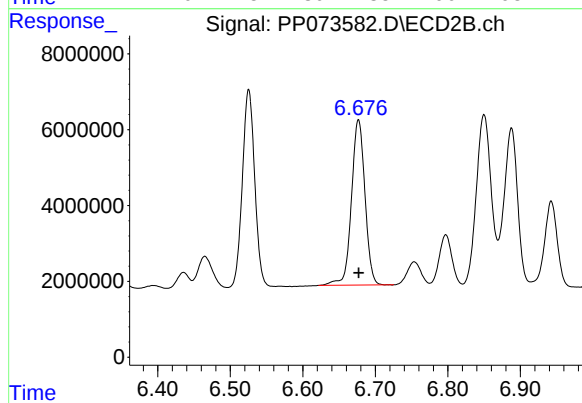
#32 AR-1260-2

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



#33 AR-1260-3

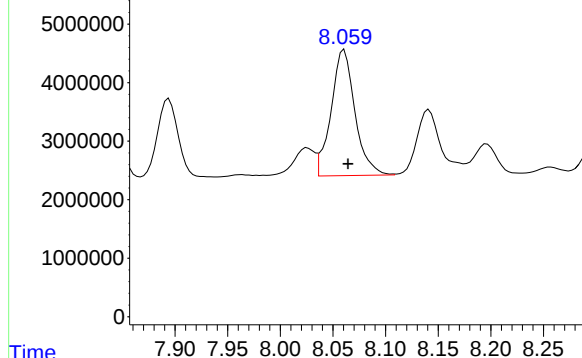
R.T.: 7.837 min
Delta R.T.: -0.003 min
Response: 37495485
Conc: 513.14 ng/ml



#33 AR-1260-3

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

Response_ Signal: PP073582.D\ECD1A.ch

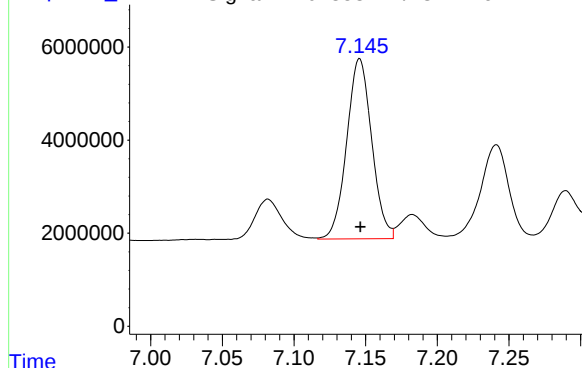


#34 AR-1260-4

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

Instrument :
ECD_P
ClientSampleId :
ICVPP070825

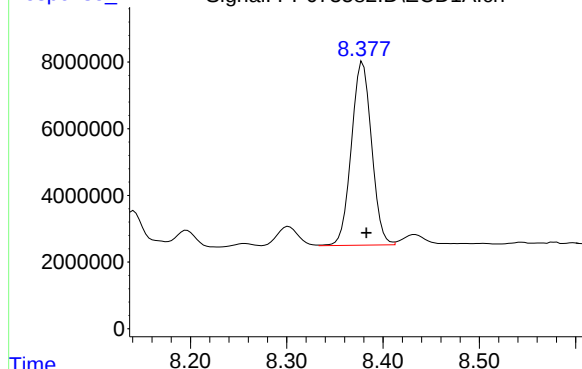
Time Response_ Signal: PP073582.D\ECD2B.ch



#34 AR-1260-4

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 47047060
Conc: 526.20 ng/ml

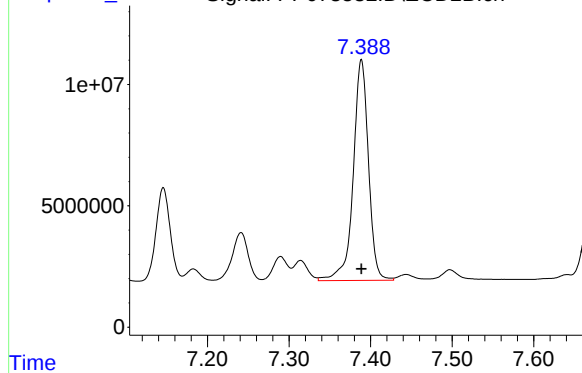
Time Response_ Signal: PP073582.D\ECD1A.ch



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.004 min
Response: 79838825
Conc: 529.25 ng/ml

Time Response_ Signal: PP073582.D\ECD2B.ch



#35 AR-1260-5

R.T.: 7.389 min
Delta R.T.: 0.000 min
Response: 118407698
Conc: 526.87 ng/ml

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

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP070825AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 05:53:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.486	3.780	72993940	98810271	53.555	54.104
2) SA Decachlor...	10.175	8.781	59178077	71524197	53.748	53.924
Target Compounds						
16) L4 AR-1242-1	5.637	4.858	20775175	30801945	544.021	533.231
17) L4 AR-1242-2	5.658	4.875	31979969	45687015	534.049	528.453
18) L4 AR-1242-3	5.720	5.052	19490860	24488942	532.233	532.986
19) L4 AR-1242-4	5.817	5.136	16125476	23556759	501.788	532.196
20) L4 AR-1242-5	6.547	5.657	17188141	29930341	525.039	541.800

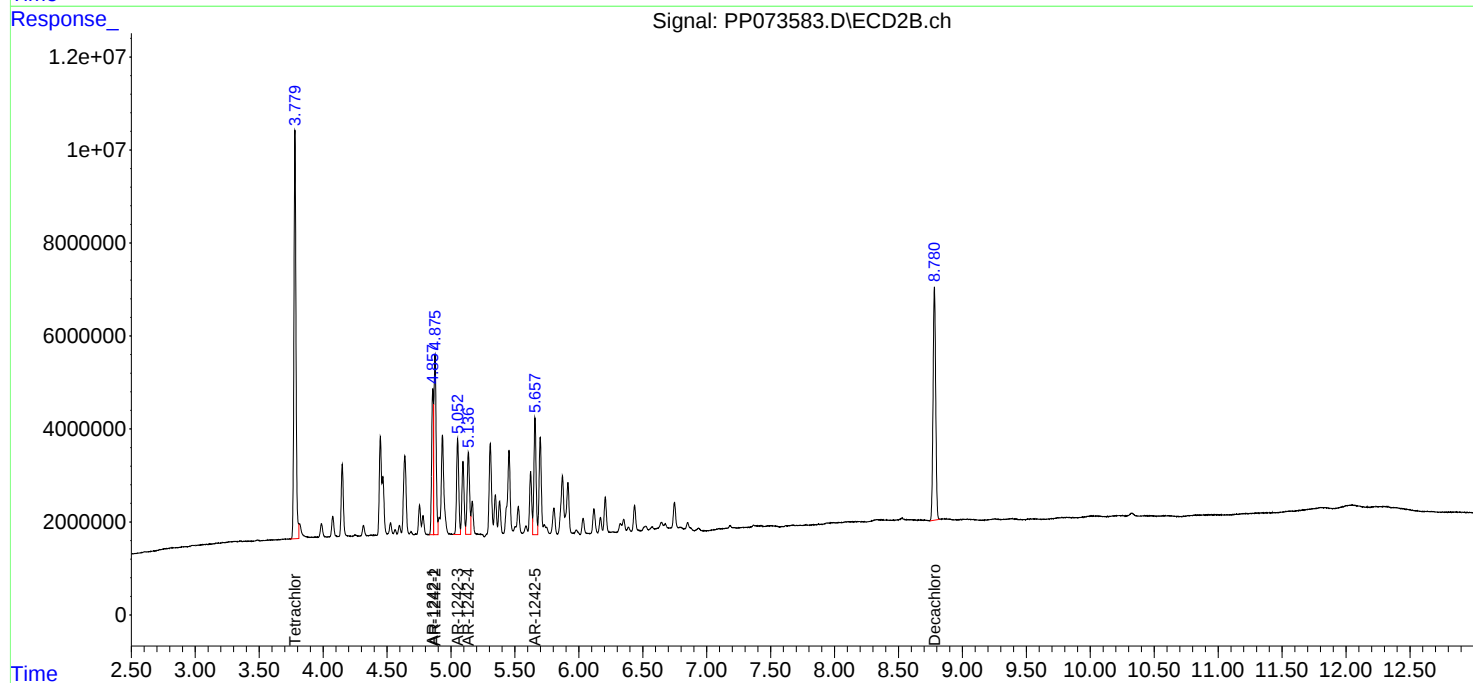
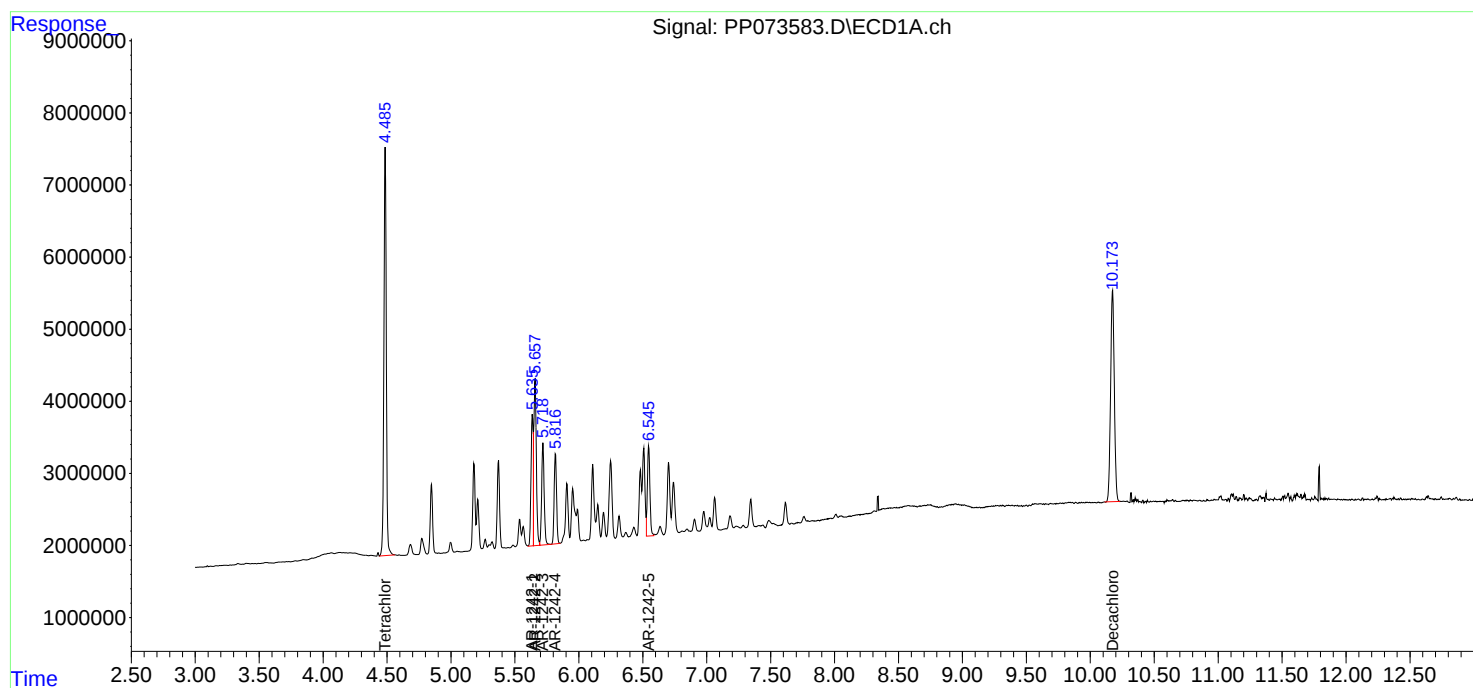
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

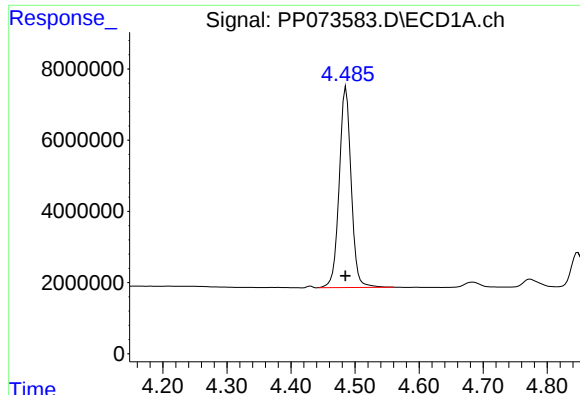
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 05:30
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 05:53:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

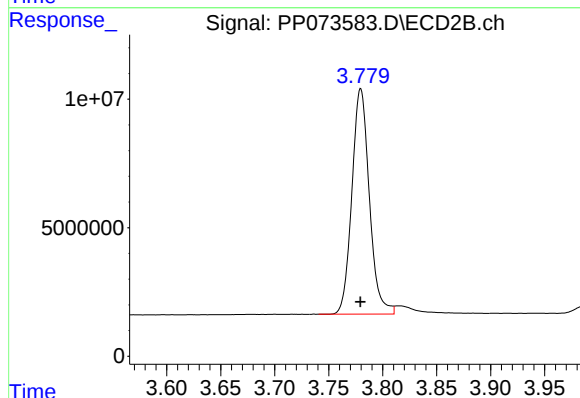




#1 Tetrachloro-m-xylene

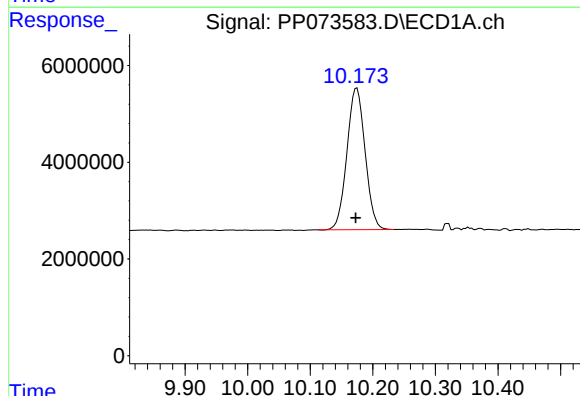
R.T.: 4.486 min
Delta R.T.: 0.000 min
Response: 72993940
Conc: 53.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



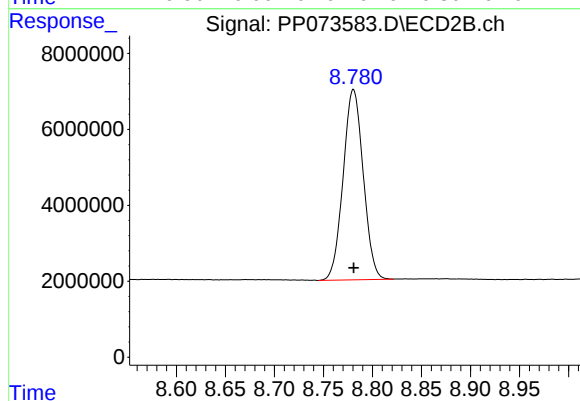
#1 Tetrachloro-m-xylene

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



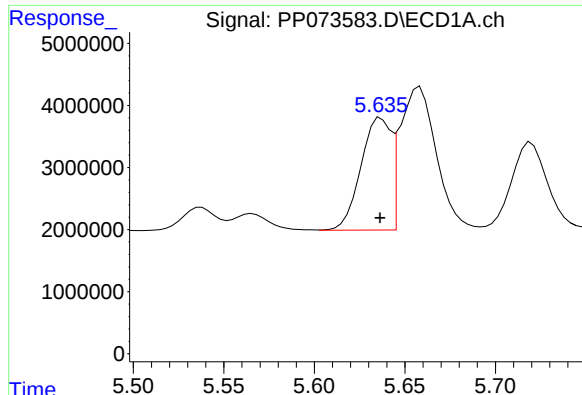
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

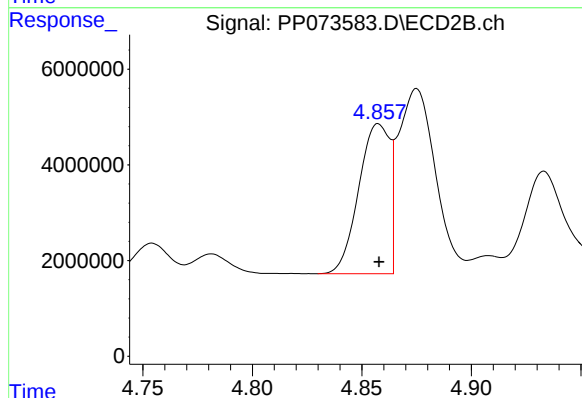
R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 71524197
Conc: 53.92 ng/ml



#16 AR-1242-1

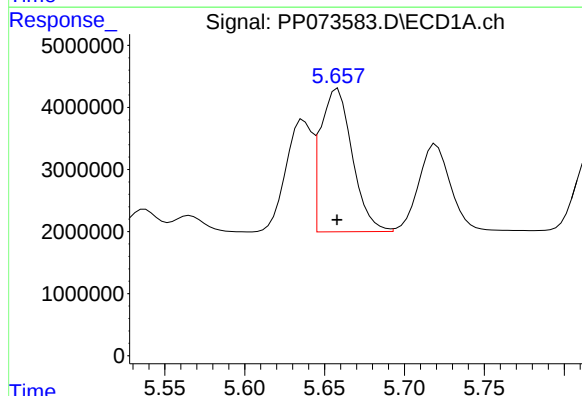
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 20775175
Conc: 544.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



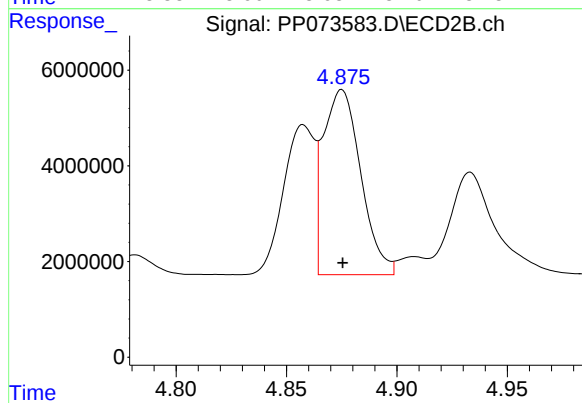
#16 AR-1242-1

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



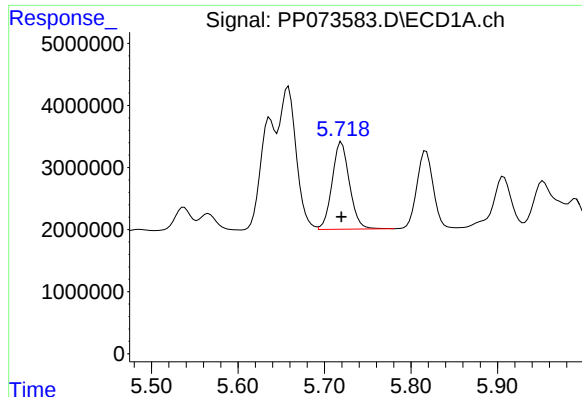
#17 AR-1242-2

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 31979969
Conc: 534.05 ng/ml



#17 AR-1242-2

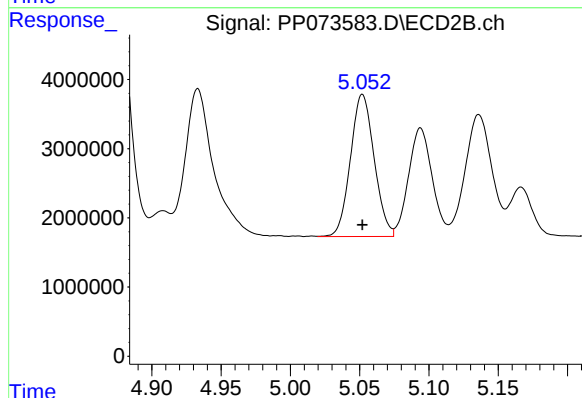
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 45687015
Conc: 528.45 ng/ml



#18 AR-1242-3

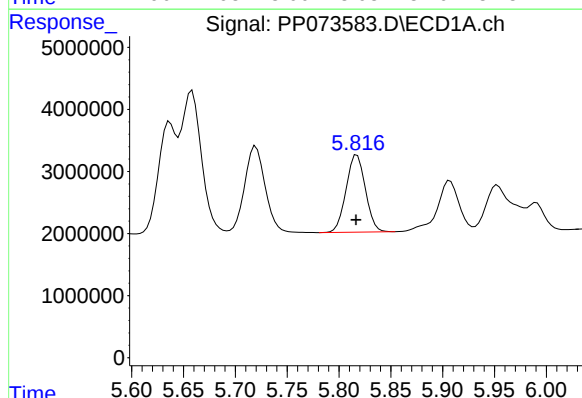
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 19490860
Conc: 532.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



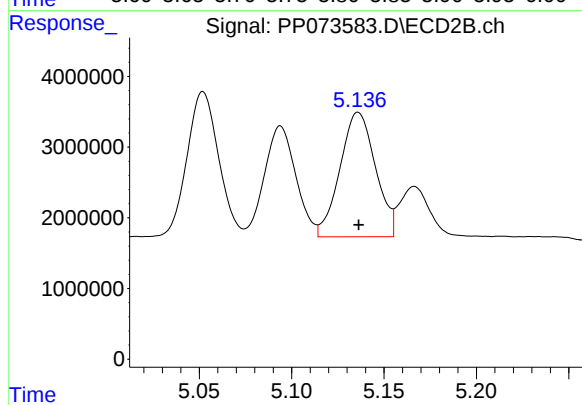
#18 AR-1242-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 24488942
Conc: 532.99 ng/ml



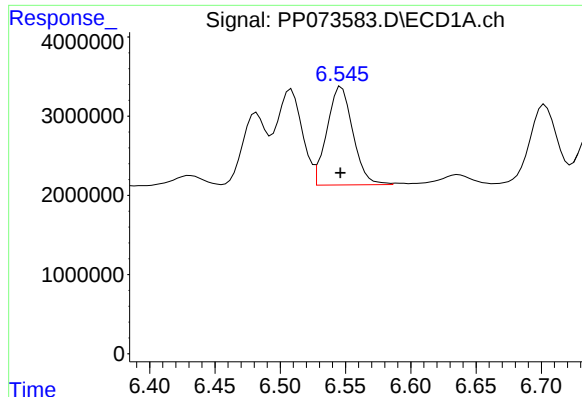
#19 AR-1242-4

R.T.: 5.817 min
Delta R.T.: 0.000 min
Response: 16125476
Conc: 501.79 ng/ml



#19 AR-1242-4

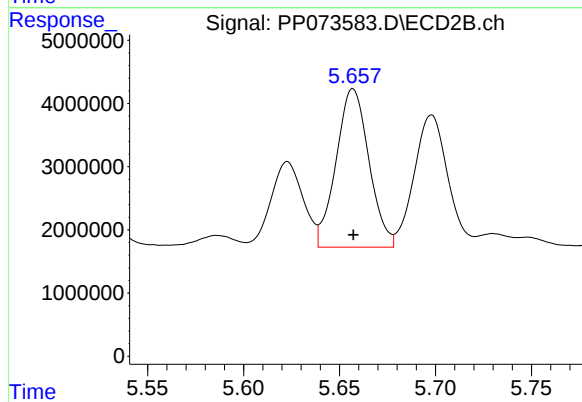
R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 23556759
Conc: 532.20 ng/ml



#20 AR-1242-5

R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 17188141
Conc: 525.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1242



#20 AR-1242-5

R.T.: 5.657 min
Delta R.T.: 0.000 min
Response: 29930341
Conc: 541.80 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
 Data File : PP073584.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 05:46
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP070825AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 06:11:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 06:01:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.489	3.778	71424974	97266201	52.153	52.796
2) SA Decachlor...	10.176	8.779	58027297	74824812	53.185	56.551
Target Compounds						
21) L5 AR-1248-1	5.639	4.857	15762091	23607850	510.587	525.847
22) L5 AR-1248-2	5.910	5.092	20492312	31849894	513.291	517.577
23) L5 AR-1248-3	6.112	5.134	23677594	33328191	533.164	520.228
24) L5 AR-1248-4	6.511	5.306	28997723	39129254	526.461	519.111
25) L5 AR-1248-5	6.550	5.697	28371365	39383540	527.441	527.994

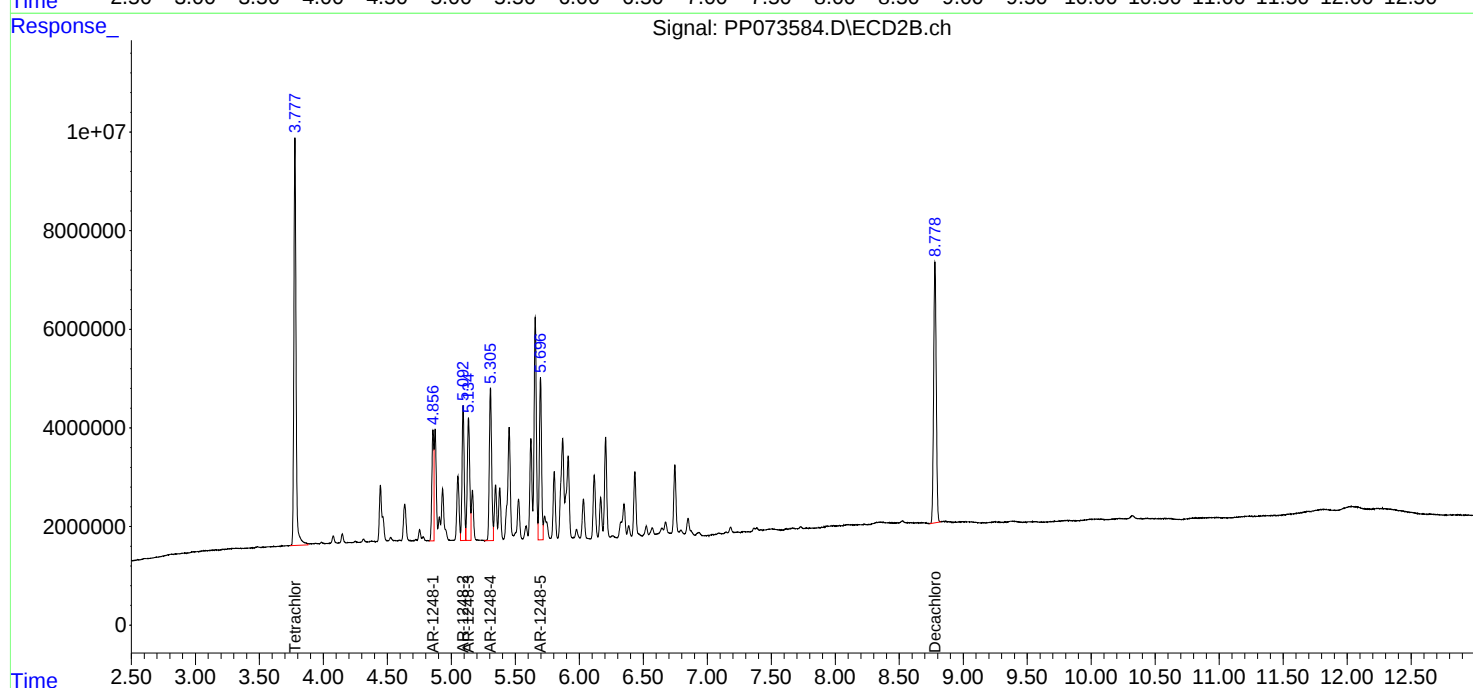
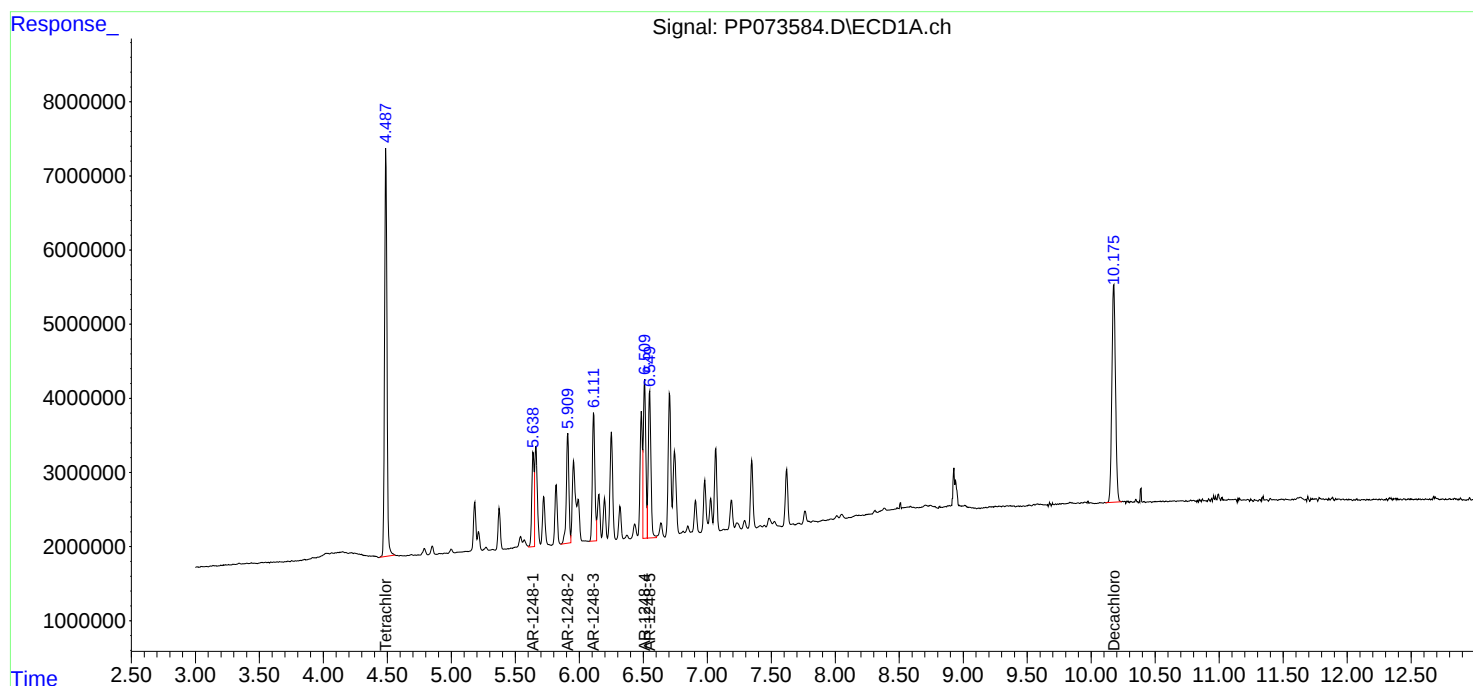
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

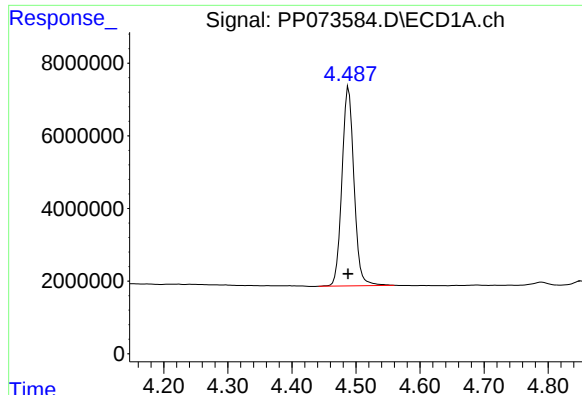
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 05:46
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 06:11:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 06:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

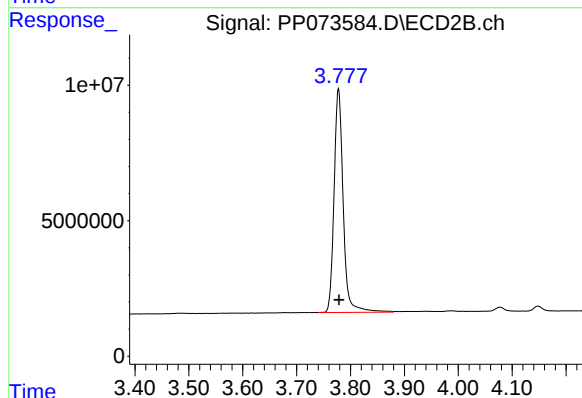




#1 Tetrachloro-m-xylene

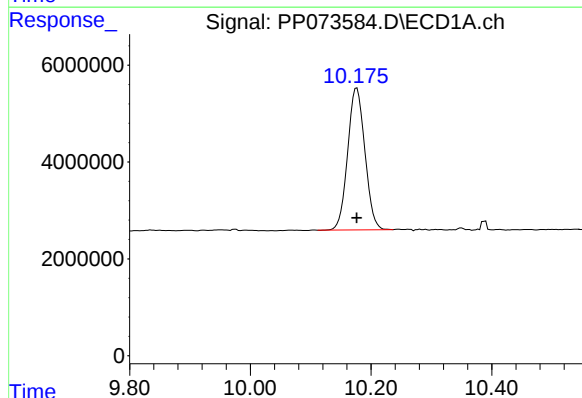
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 71424974
Conc: 52.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



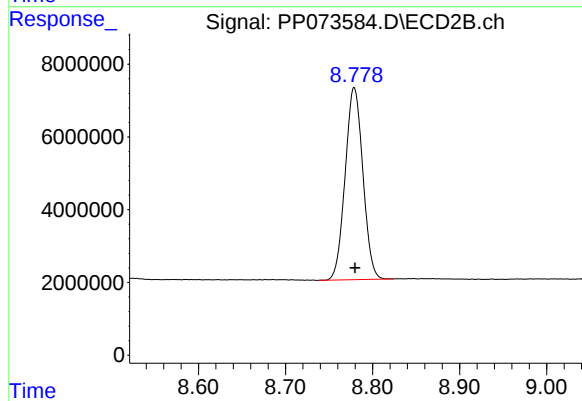
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 97266201
Conc: 52.80 ng/ml



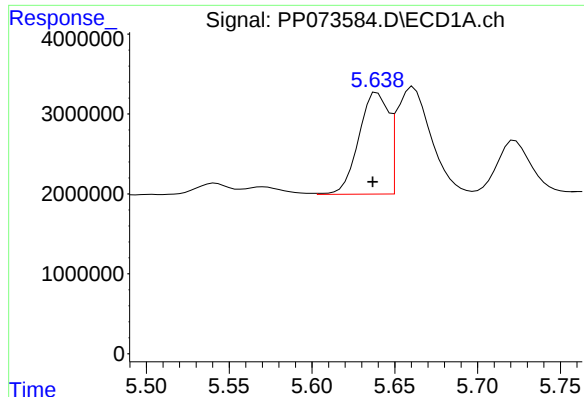
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 58027297
Conc: 53.18 ng/ml



#2 Decachlorobiphenyl

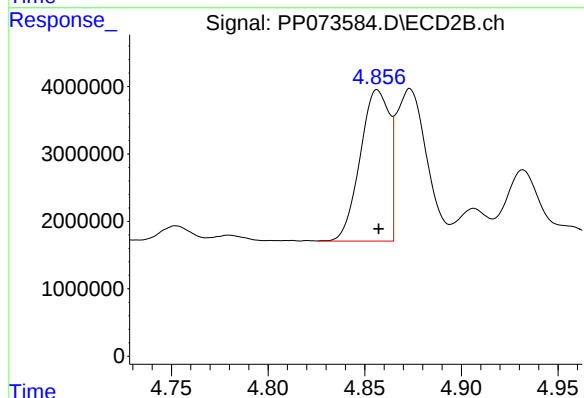
R.T.: 8.779 min
Delta R.T.: -0.001 min
Response: 74824812
Conc: 56.55 ng/ml



#21 AR-1248-1

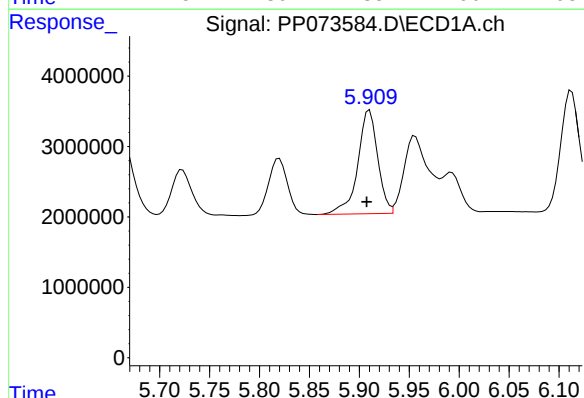
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: 15762091
Conc: 510.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



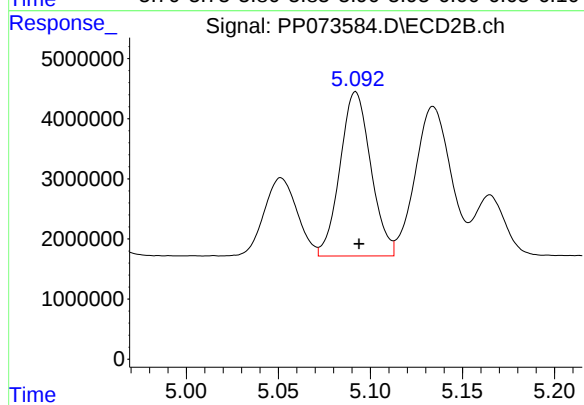
#21 AR-1248-1

R.T.: 4.857 min
Delta R.T.: 0.000 min
Response: 23607850
Conc: 525.85 ng/ml



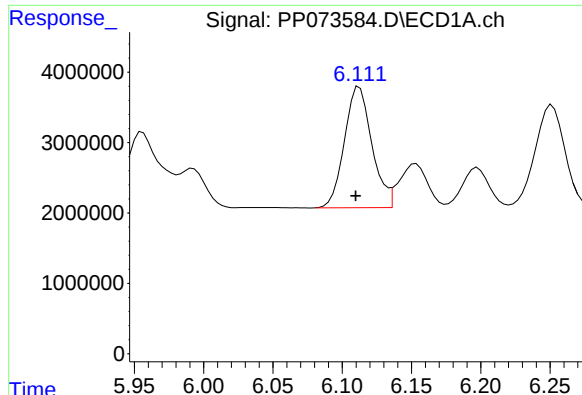
#22 AR-1248-2

R.T.: 5.910 min
Delta R.T.: 0.003 min
Response: 20492312
Conc: 513.29 ng/ml



#22 AR-1248-2

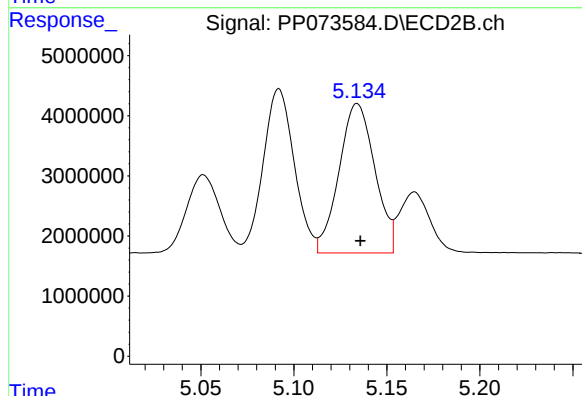
R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 31849894
Conc: 517.58 ng/ml



#23 AR-1248-3

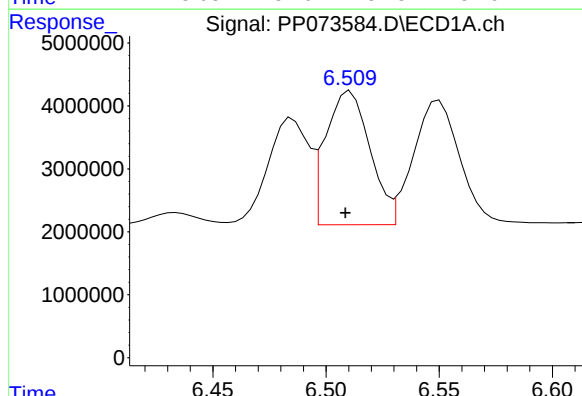
R.T.: 6.112 min
Delta R.T.: 0.003 min
Response: 23677594
Conc: 533.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



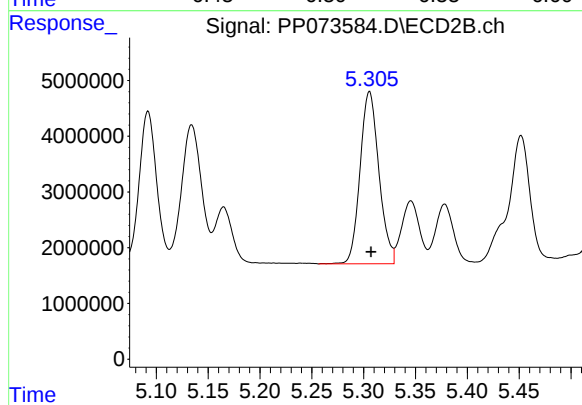
#23 AR-1248-3

R.T.: 5.134 min
Delta R.T.: -0.002 min
Response: 33328191
Conc: 520.23 ng/ml



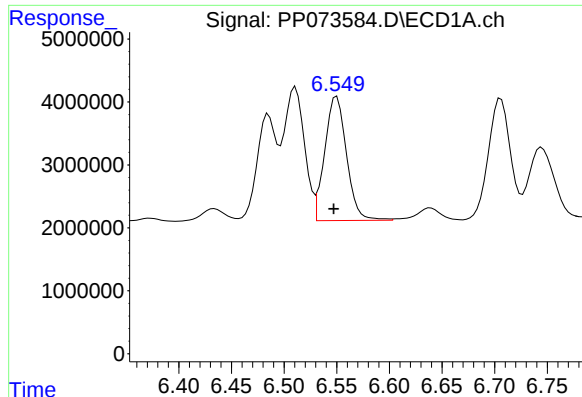
#24 AR-1248-4

R.T.: 6.511 min
Delta R.T.: 0.002 min
Response: 28997723
Conc: 526.46 ng/ml



#24 AR-1248-4

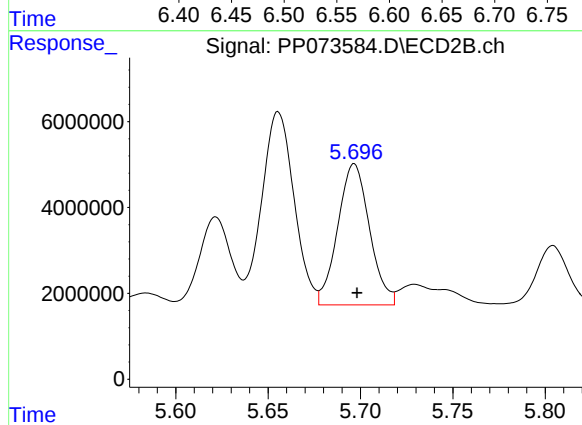
R.T.: 5.306 min
Delta R.T.: -0.002 min
Response: 39129254
Conc: 519.11 ng/ml



#25 AR-1248-5

R.T.: 6.550 min
Delta R.T.: 0.003 min
Response: 28371365
Conc: 527.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1248



#25 AR-1248-5

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 39383540
Conc: 527.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
 Data File : PP073585.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 06:19
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP070825AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 06:42:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 06:01:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.488	3.779	72137939	98177371	52.674	53.291
2) SA Decachlor...	10.176	8.780	58669520	75798661	53.773	57.287
Target Compounds						
26) L6 AR-1254-1	6.486	5.657	27751618	57179282	517.855	492.797
27) L6 AR-1254-2	6.702	5.805	42039125	49615142	504.739	493.077
28) L6 AR-1254-3	7.065	6.207	45059626	78048221	510.118	505.342
29) L6 AR-1254-4	7.348	6.435	39772060	48017763	505.575	507.806
30) L6 AR-1254-5	7.764	6.851	38107518	68206603	517.204	511.122

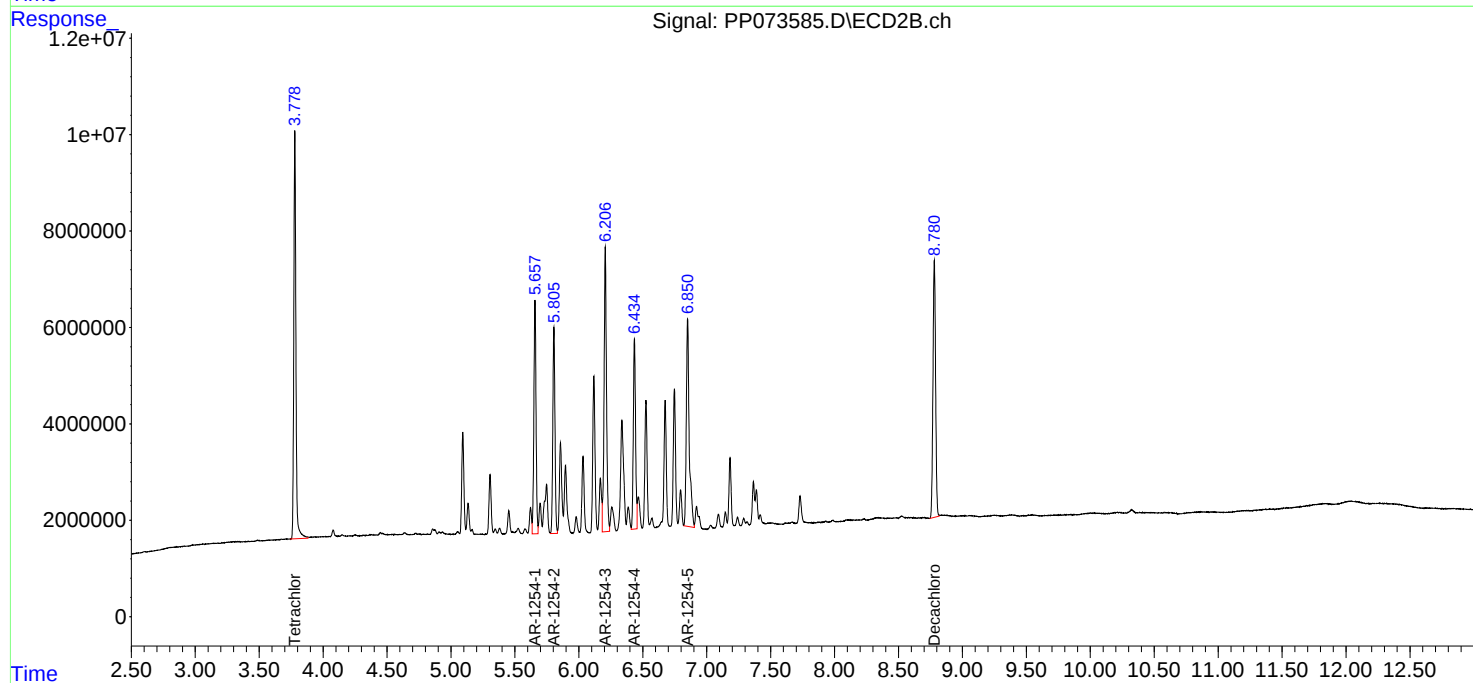
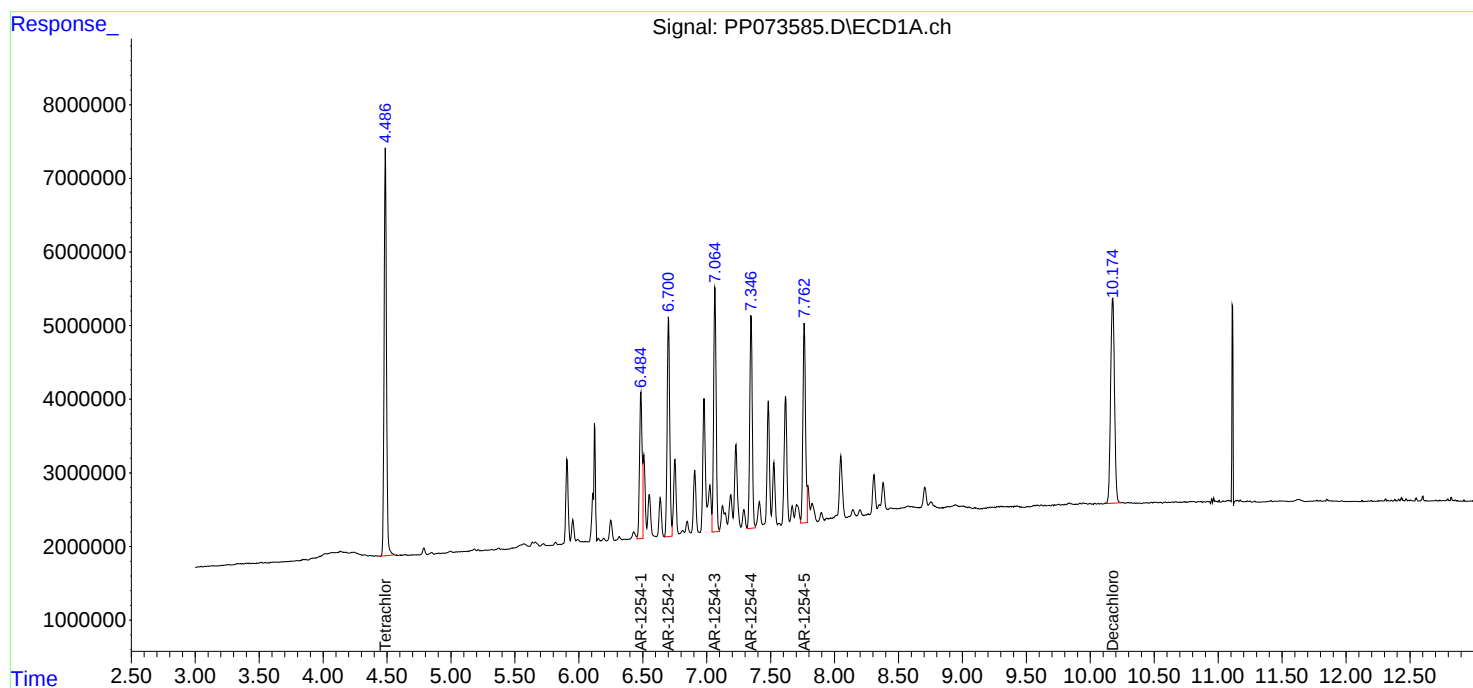
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

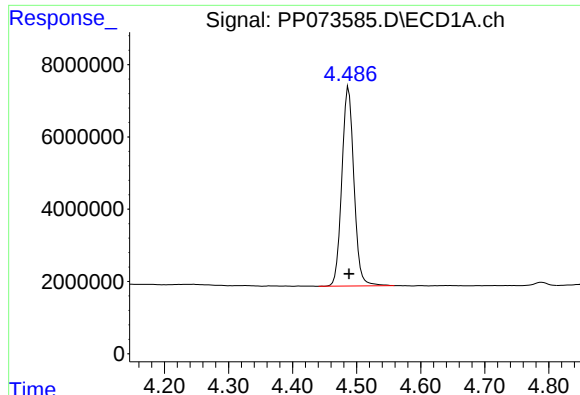
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 06:19
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 06:42:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 06:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

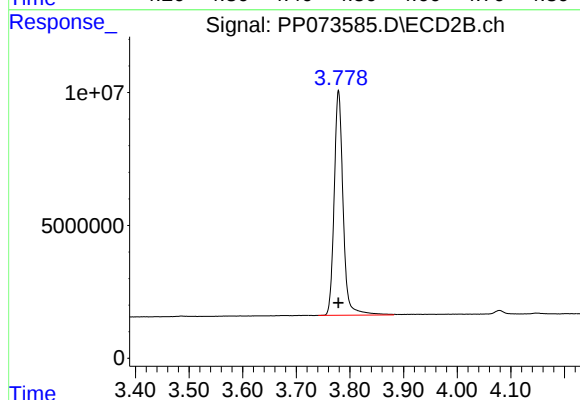




#1 Tetrachloro-m-xylene

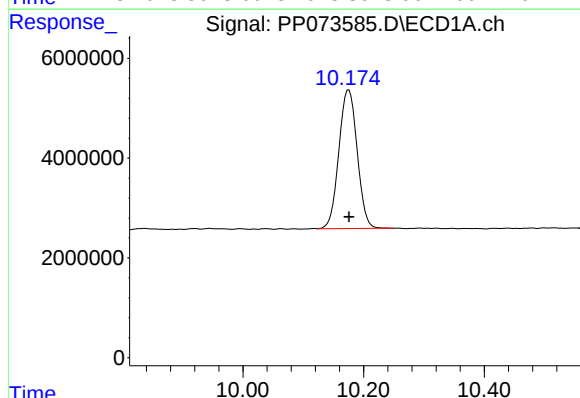
R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 72137939
Conc: 52.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



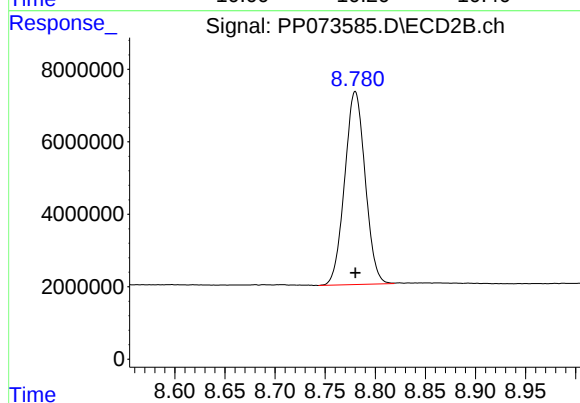
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 98177371
Conc: 53.29 ng/ml



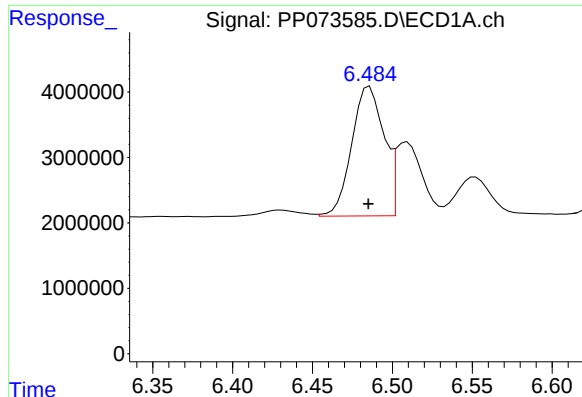
#2 Decachlorobiphenyl

R.T.: 10.176 min
Delta R.T.: 0.000 min
Response: 58669520
Conc: 53.77 ng/ml



#2 Decachlorobiphenyl

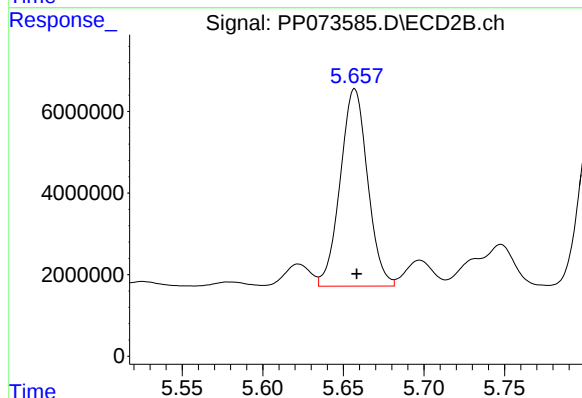
R.T.: 8.780 min
Delta R.T.: 0.000 min
Response: 75798661
Conc: 57.29 ng/ml



#26 AR-1254-1

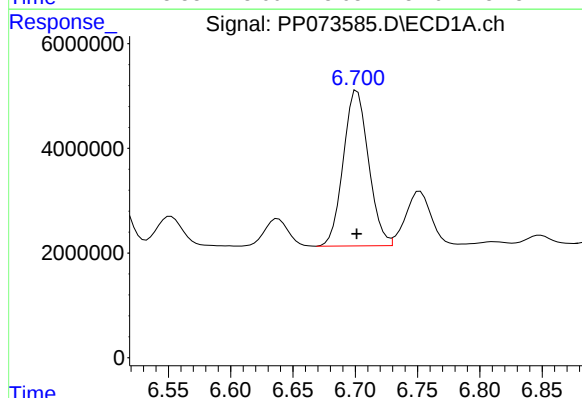
R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 27751618
Conc: 517.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



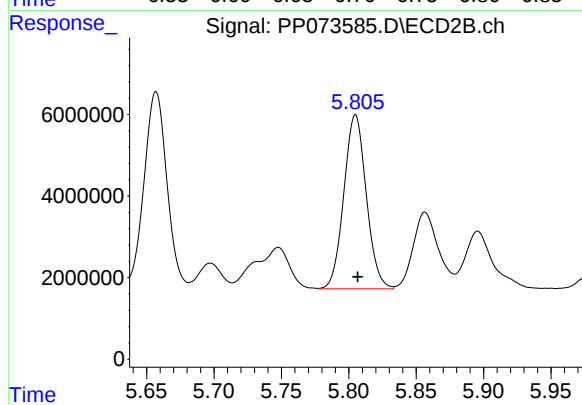
#26 AR-1254-1

R.T.: 5.657 min
Delta R.T.: -0.001 min
Response: 57179282
Conc: 492.80 ng/ml



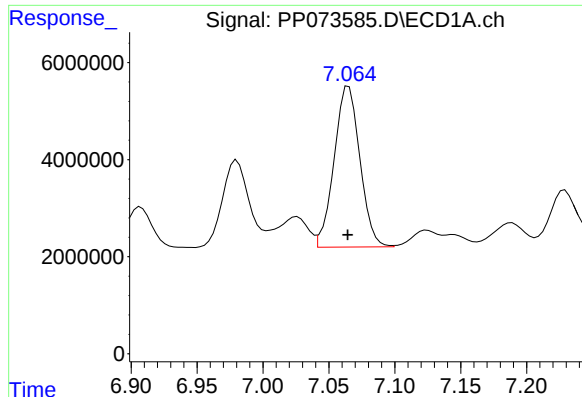
#27 AR-1254-2

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 42039125
Conc: 504.74 ng/ml



#27 AR-1254-2

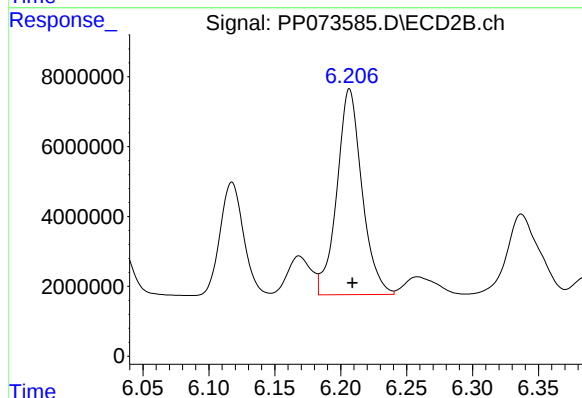
R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 49615142
Conc: 493.08 ng/ml



#28 AR-1254-3

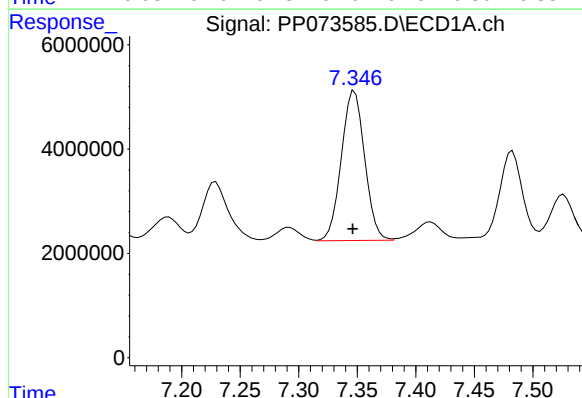
R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 45059626
Conc: 510.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



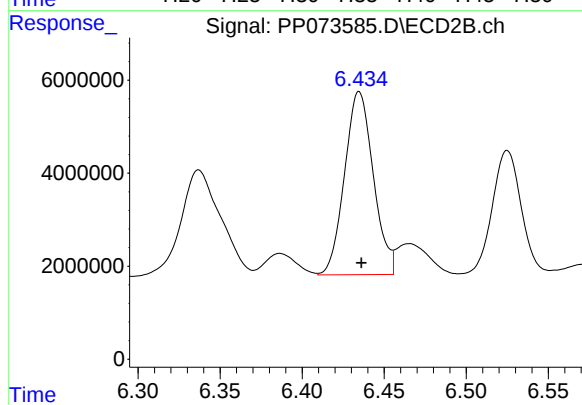
#28 AR-1254-3

R.T.: 6.207 min
Delta R.T.: -0.002 min
Response: 78048221
Conc: 505.34 ng/ml



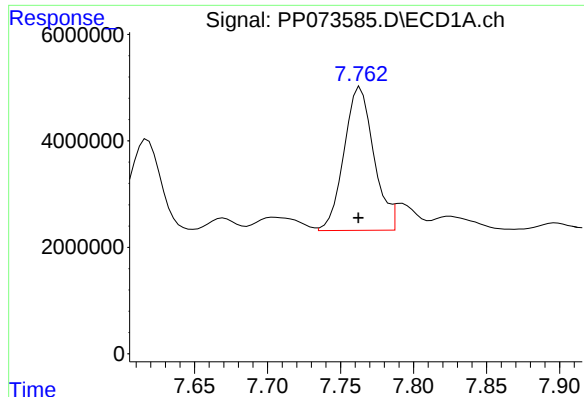
#29 AR-1254-4

R.T.: 7.348 min
Delta R.T.: 0.001 min
Response: 39772060
Conc: 505.57 ng/ml



#29 AR-1254-4

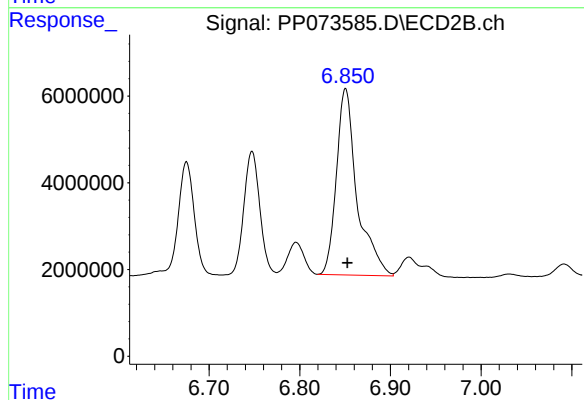
R.T.: 6.435 min
Delta R.T.: -0.001 min
Response: 48017763
Conc: 507.81 ng/ml



#30 AR-1254-5

R.T.: 7.764 min
Delta R.T.: 0.001 min
Response: 38107518
Conc: 517.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1254



#30 AR-1254-5

R.T.: 6.851 min
Delta R.T.: -0.002 min
Response: 68206603
Conc: 511.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
 Data File : PP073586.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 06:52
 Operator : YP\AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP070825AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 08:27:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:22:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.484	3.778	70596120	97414683	50.662	50.893
2) SA Decachlor...	10.172	8.779	103.0E6	129.1E6	51.291	51.524
Target Compounds						
41) L9 AR-1268-1	8.689	7.667	113.4E6	151.6E6	508.169	493.340
42) L9 AR-1268-2	8.781	7.734	97840395	131.8E6	513.584	495.942
43) L9 AR-1268-3	9.010	7.935	83760936	112.1E6	505.877	496.950
44) L9 AR-1268-4	9.426	8.229	34884334	47107861	501.616	506.711
45) L9 AR-1268-5	9.837	8.525	236.8E6	312.0E6	513.720	506.004

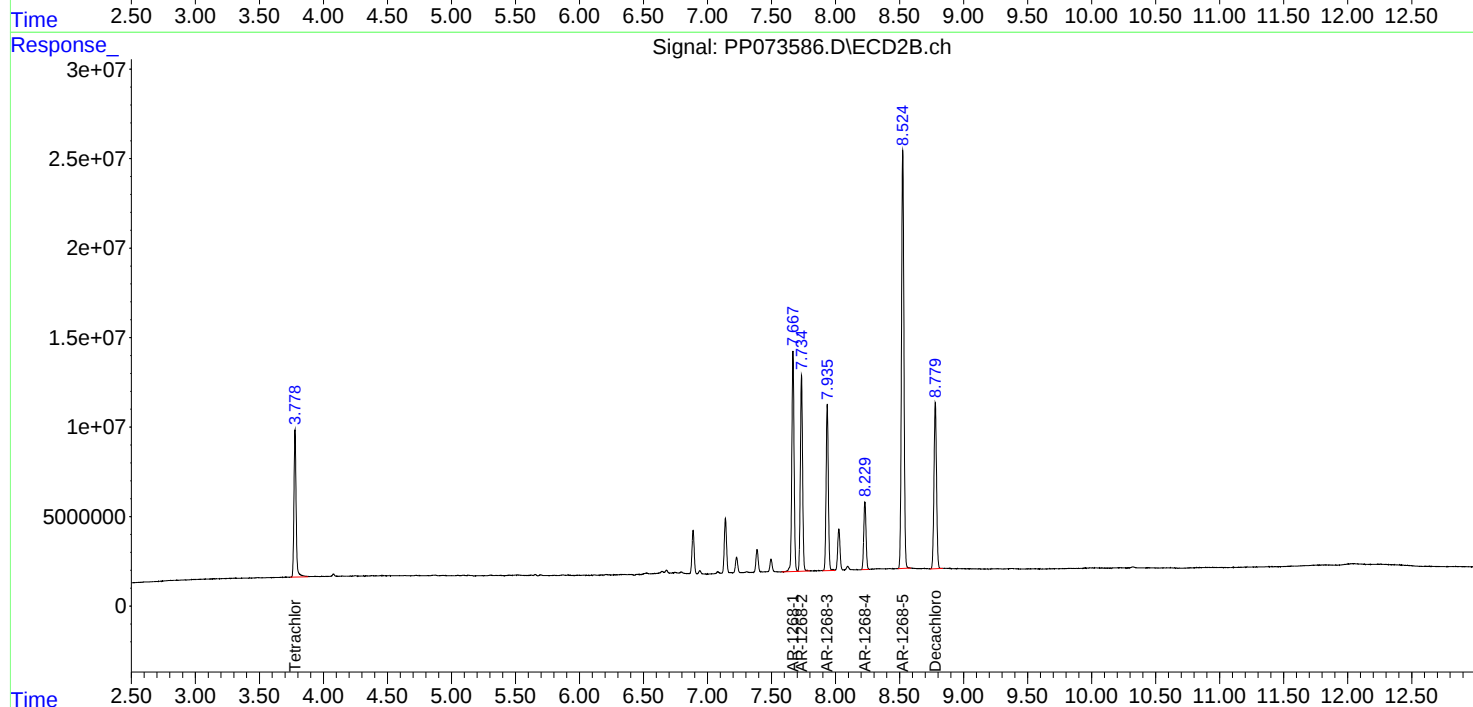
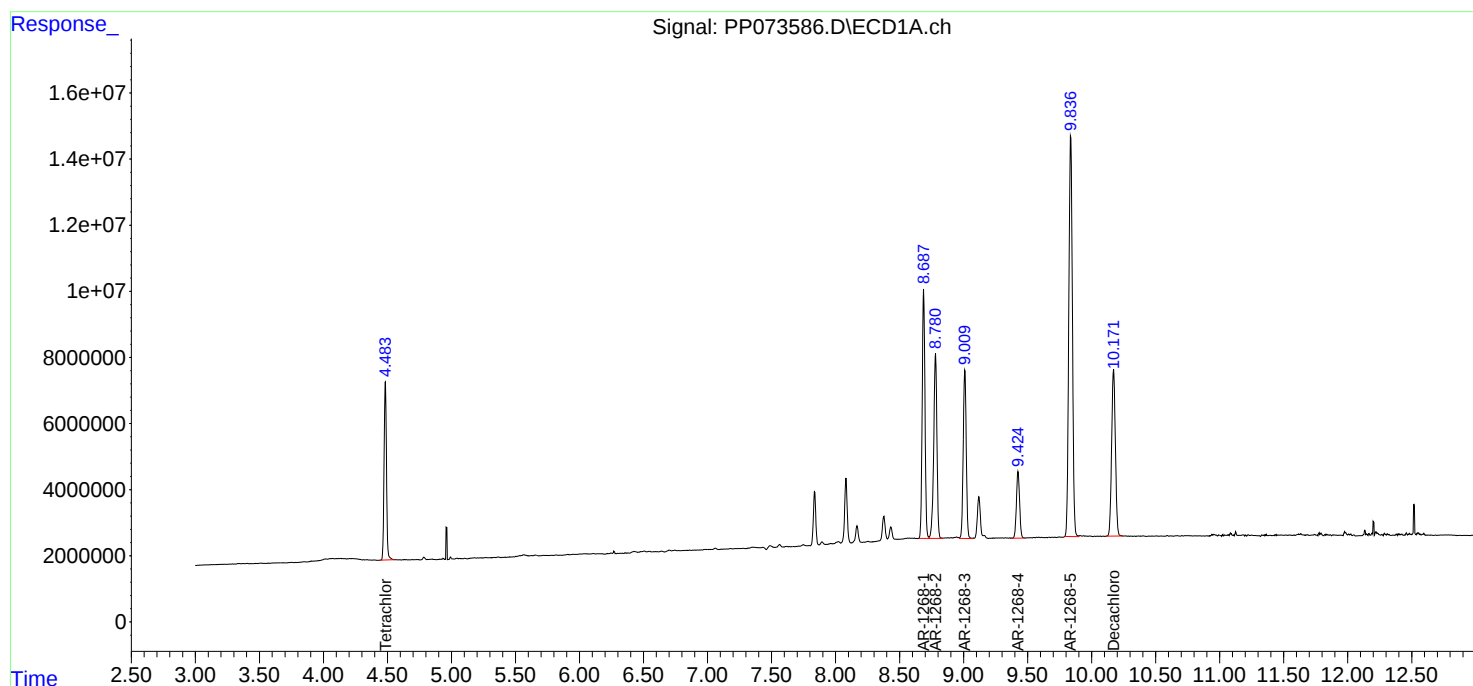
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

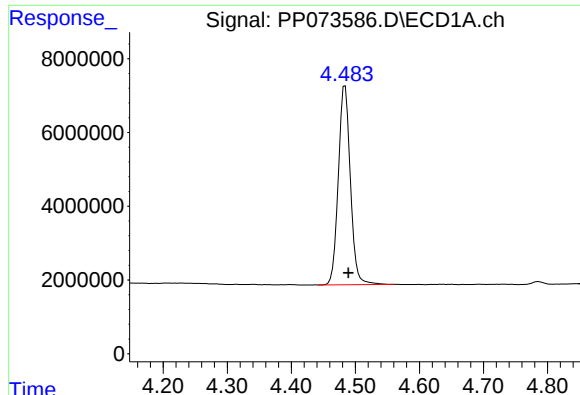
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 06:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 08:27:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:22:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

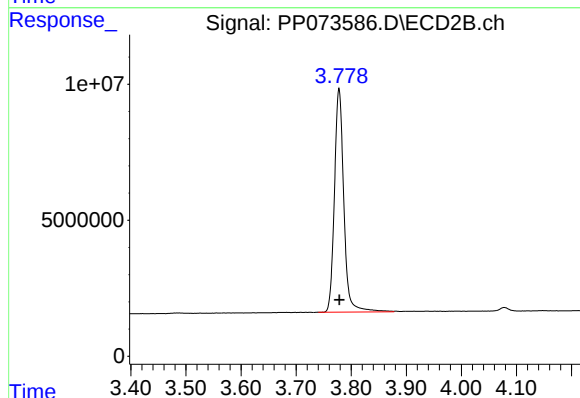




#1 Tetrachloro-m-xylene

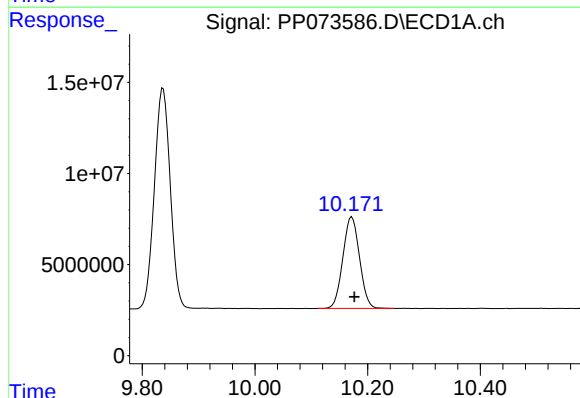
R.T.: 4.484 min
Delta R.T.: -0.005 min
Response: 70596120
Conc: 50.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



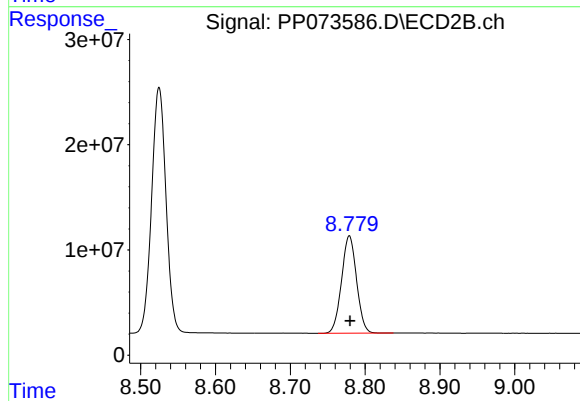
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 97414683
Conc: 50.89 ng/ml



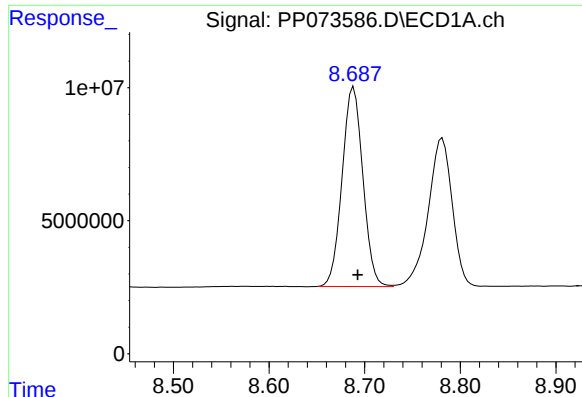
#2 Decachlorobiphenyl

R.T.: 10.172 min
Delta R.T.: -0.005 min
Response: 102995358
Conc: 51.29 ng/ml



#2 Decachlorobiphenyl

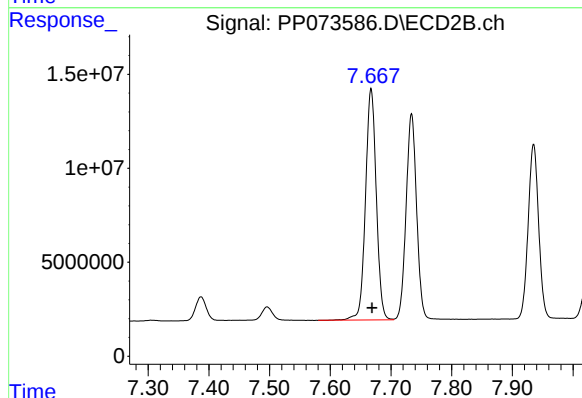
R.T.: 8.779 min
Delta R.T.: -0.001 min
Response: 129091204
Conc: 51.52 ng/ml



#41 AR-1268-1

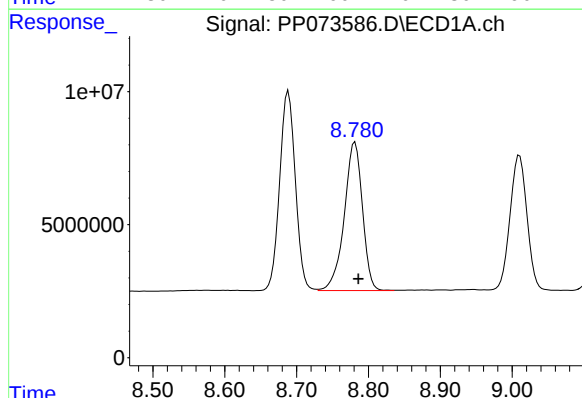
R.T.: 8.689 min
Delta R.T.: -0.004 min
Response: 113435388
Conc: 508.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



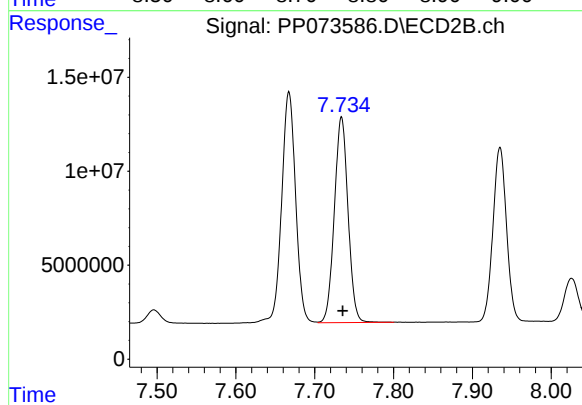
#41 AR-1268-1

R.T.: 7.667 min
Delta R.T.: -0.002 min
Response: 151641353
Conc: 493.34 ng/ml



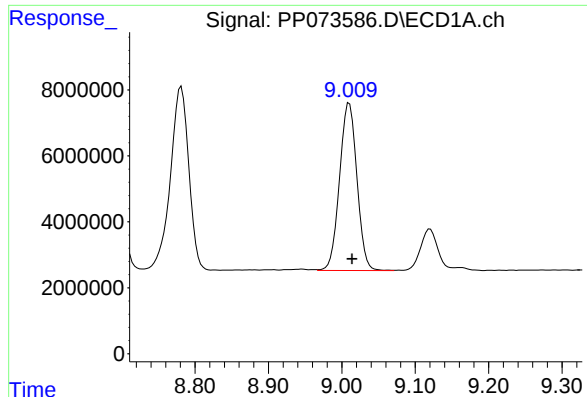
#42 AR-1268-2

R.T.: 8.781 min
Delta R.T.: -0.005 min
Response: 97840395
Conc: 513.58 ng/ml



#42 AR-1268-2

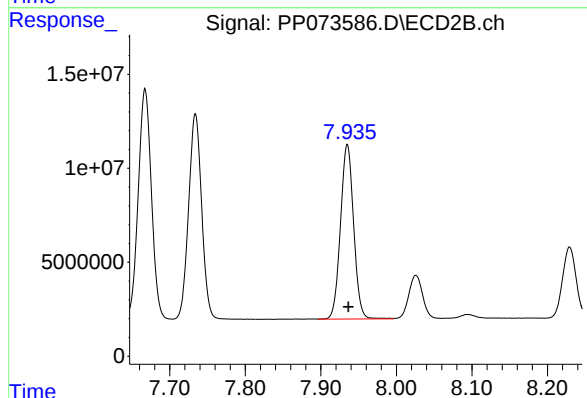
R.T.: 7.734 min
Delta R.T.: -0.001 min
Response: 131765701
Conc: 495.94 ng/ml



#43 AR-1268-3

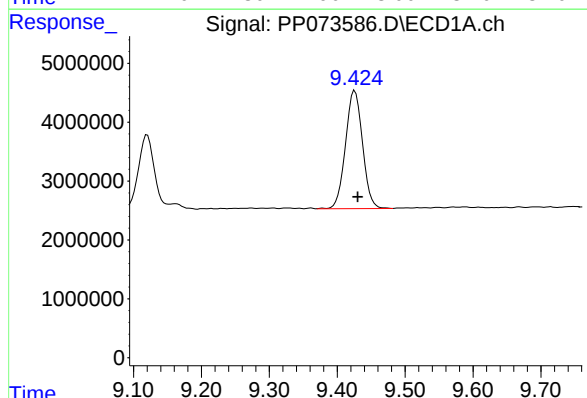
R.T.: 9.010 min
Delta R.T.: -0.004 min
Response: 83760936
Conc: 505.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268



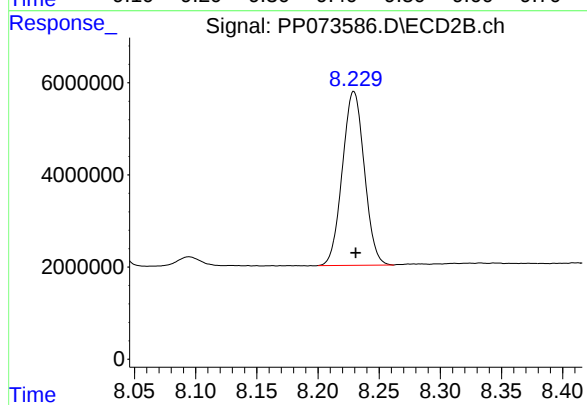
#43 AR-1268-3

R.T.: 7.935 min
Delta R.T.: -0.002 min
Response: 112102210
Conc: 496.95 ng/ml



#44 AR-1268-4

R.T.: 9.426 min
Delta R.T.: -0.004 min
Response: 34884334
Conc: 501.62 ng/ml



#44 AR-1268-4

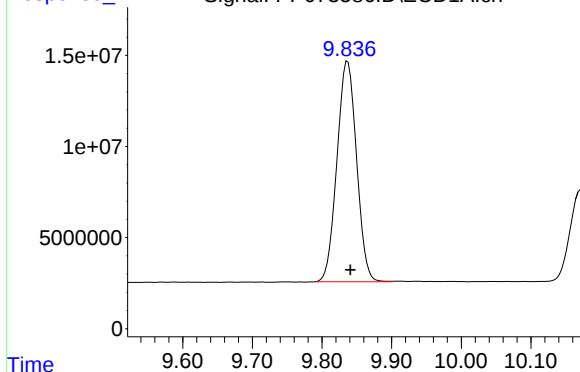
R.T.: 8.229 min
Delta R.T.: -0.002 min
Response: 47107861
Conc: 506.71 ng/ml

Response_

Signal: PP073586.D\ECD1A.ch

#45 AR-1268-5

ICAL Form



R.T.: 9.837 min
Delta R.T.: -0.004 min
Response: 236804938
Conc: 513.72 ng/ml

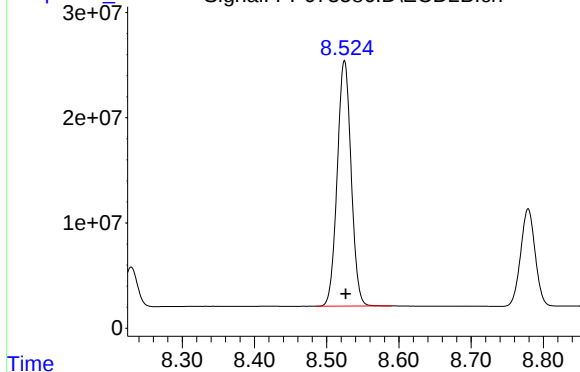
Instrument :
ECD_P
ClientSampleId :
ICVPP070825AR1268

Time

Response

Signal: PP073586.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.525 min
Delta R.T.: -0.002 min
Response: 311977174
Conc: 506.00 ng/ml

Time



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/15/2025

Initial Calibration Date(s): 07/07/2025

07/08/2025

Continuing Calib Time: 16:08

Initial Calibration Time(s): 21:03

04:24

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/15/2025

Initial Calibration Date(s): 07/07/2025

07/08/2025

Continuing Calib Time: 16:08

Initial Calibration Time(s): 21:03

04:24

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/15/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073804.D **Time Analyzed:** 16:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.637	5.539	5.739	455.310	500.000	-8.9
Aroclor-1016-2	5.659	5.560	5.760	494.680	500.000	-1.1
Aroclor-1016-3	5.720	5.622	5.822	488.830	500.000	-2.2
Aroclor-1016-4	5.818	5.720	5.920	493.640	500.000	-1.3
Aroclor-1016-5	6.110	6.012	6.212	507.350	500.000	1.5
Aroclor-1260-1	7.226	7.129	7.329	489.480	500.000	-2.1
Aroclor-1260-2	7.480	7.383	7.583	415.640	500.000	-16.9
Aroclor-1260-3	7.838	7.740	7.940	474.930	500.000	-5.0
Aroclor-1260-4	8.061	7.964	8.164	486.570	500.000	-2.7
Aroclor-1260-5	8.379	8.283	8.483	492.390	500.000	-1.5
Decachlorobiphenyl	10.171	10.076	10.276	52.010	50.000	4.0
Tetrachloro-m-xylene	4.487	4.388	4.588	51.230	50.000	2.5



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/15/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073804.D **Time Analyzed:** 16:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.856	4.758	4.958	472.940	500.000	-5.4
Aroclor-1016-2	4.873	4.775	4.975	467.040	500.000	-6.6
Aroclor-1016-3	5.050	4.951	5.151	476.820	500.000	-4.6
Aroclor-1016-4	5.092	4.993	5.193	476.550	500.000	-4.7
Aroclor-1016-5	5.305	5.207	5.407	509.550	500.000	1.9
Aroclor-1260-1	6.334	6.237	6.437	472.180	500.000	-5.6
Aroclor-1260-2	6.523	6.425	6.625	473.960	500.000	-5.2
Aroclor-1260-3	6.674	6.577	6.777	460.750	500.000	-7.9
Aroclor-1260-4	7.143	7.046	7.246	486.760	500.000	-2.6
Aroclor-1260-5	7.386	7.289	7.489	485.010	500.000	-3.0
Decachlorobiphenyl	8.777	8.680	8.880	53.400	50.000	6.8
Tetrachloro-m-xylene	3.779	3.678	3.878	47.220	50.000	-5.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
 Data File : PP073804.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Jul 2025 16:08
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 01:46:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:35:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.487	3.779	70163666	86997636	51.232	47.222
2) SA Decachlor...	10.171	8.777	56749848	70659011	52.014	53.402
Target Compounds						
3) L1 AR-1016-1	5.637	4.856	21633263	32242882	455.307	472.945
4) L1 AR-1016-2	5.659	4.873	35228241	47584166	494.675	467.041
5) L1 AR-1016-3	5.720	5.050	21343872	25798766	488.831	476.816
6) L1 AR-1016-4	5.818	5.092	17744350	20911283	493.645	476.547
7) L1 AR-1016-5	6.110	5.305	15895513	27812329	507.351	509.547
31) L7 AR-1260-1	7.226	6.334	28860473	46066145	489.482	472.181
32) L7 AR-1260-2	7.480	6.523	39835100	58220499	415.642	473.963
33) L7 AR-1260-3	7.838	6.674	34703178	50435972	474.926	460.755
34) L7 AR-1260-4	8.061	7.143	31773073	43520879	486.572	486.765
35) L7 AR-1260-5	8.379	7.386	74279002	109.0E6	492.394	485.011

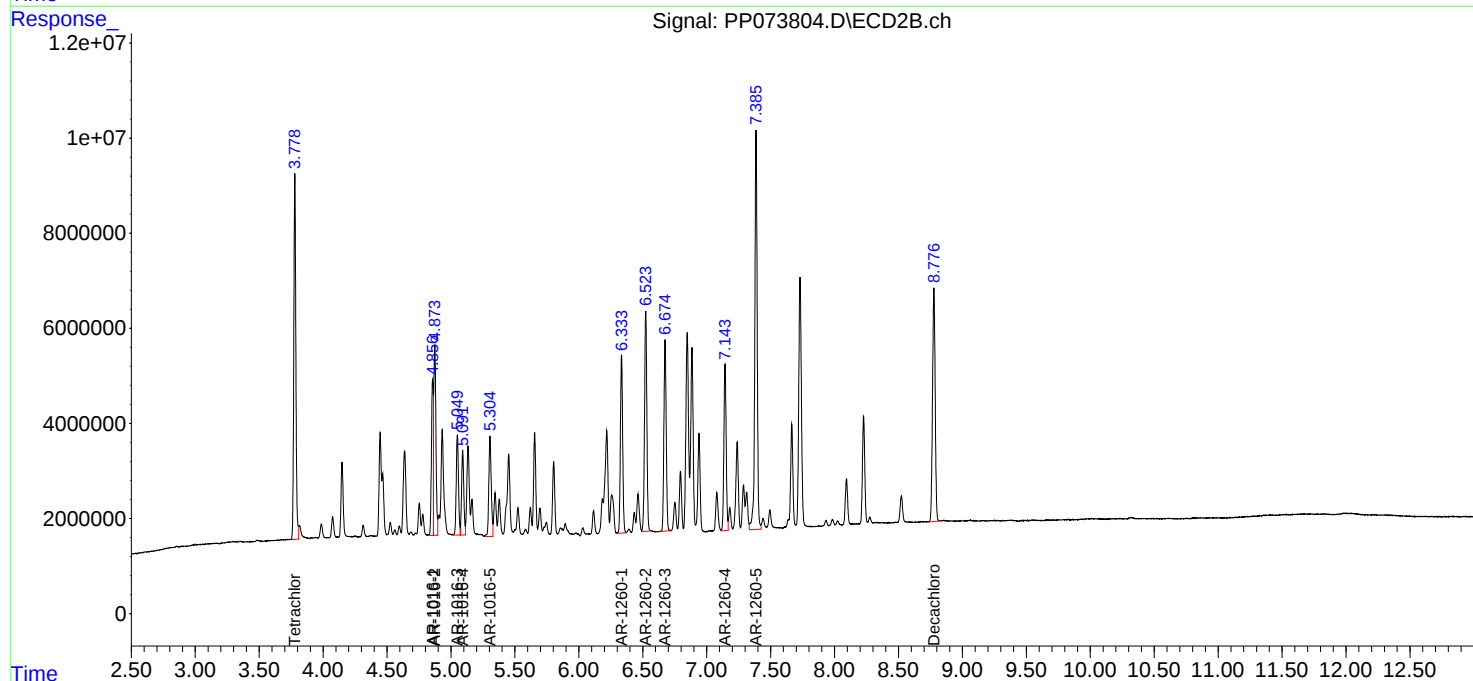
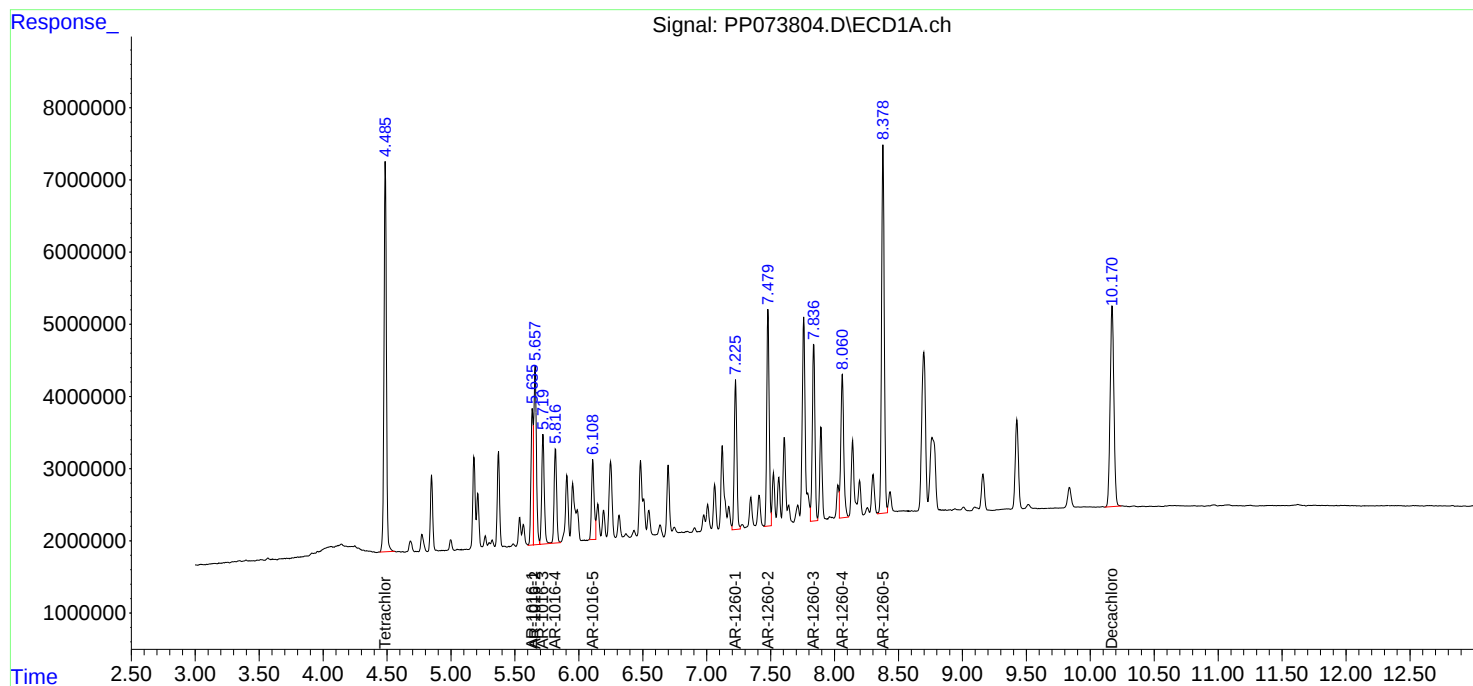
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

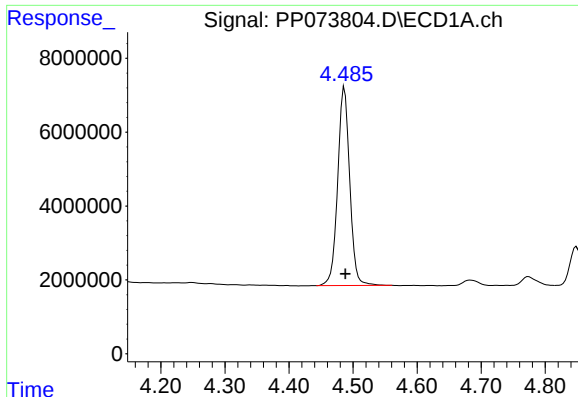
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073804.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 16:08
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:46:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

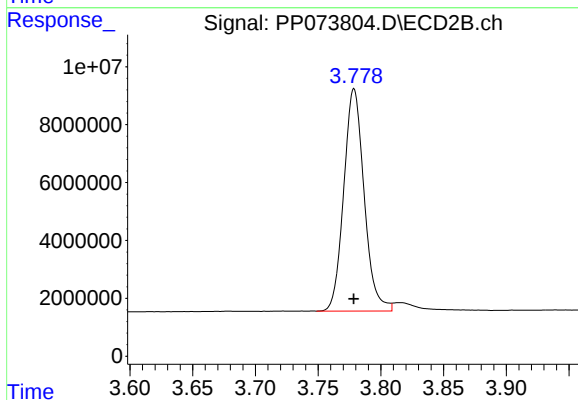




#1 Tetrachloro-m-xylene

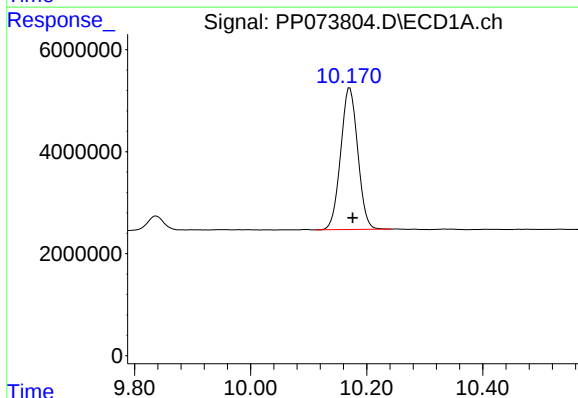
R.T.: 4.487 min
Delta R.T.: -0.001 min
Response: 70163666
Conc: 51.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



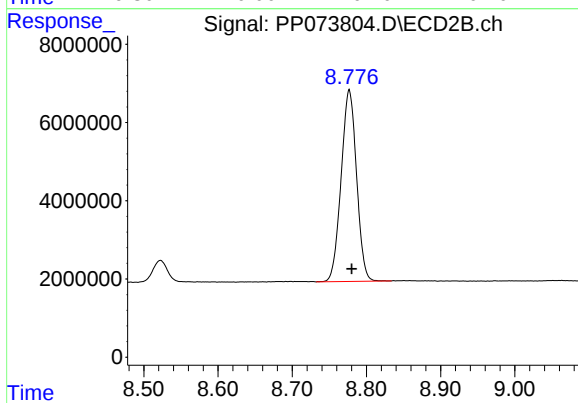
#1 Tetrachloro-m-xylene

R.T.: 3.779 min
Delta R.T.: 0.000 min
Response: 86997636
Conc: 47.22 ng/ml



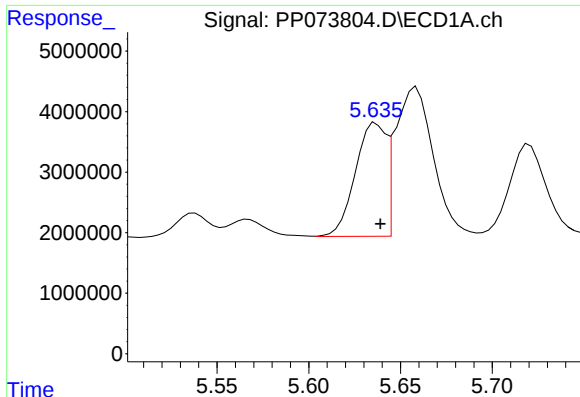
#2 Decachlorobiphenyl

R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 56749848
Conc: 52.01 ng/ml



#2 Decachlorobiphenyl

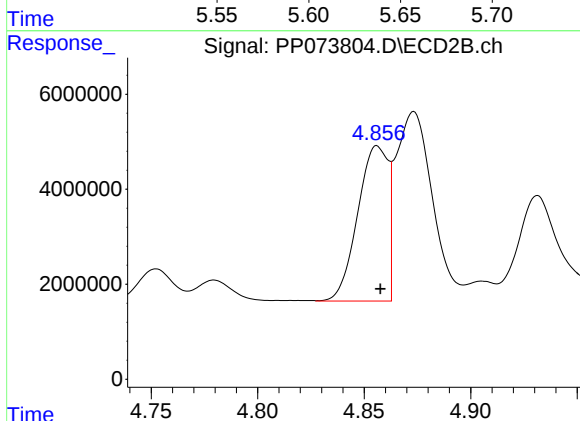
R.T.: 8.777 min
Delta R.T.: -0.003 min
Response: 70659011
Conc: 53.40 ng/ml



#3 AR-1016-1

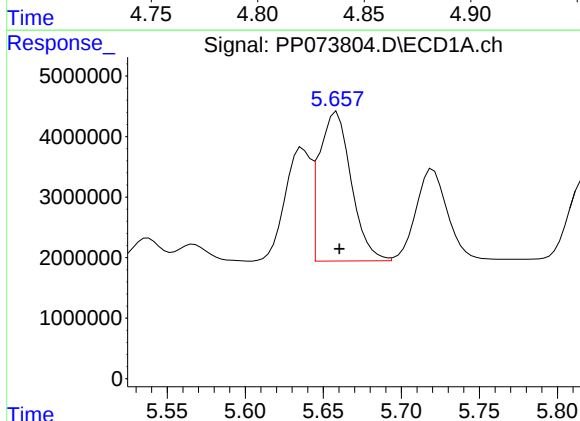
R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 21633263
Conc: 455.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



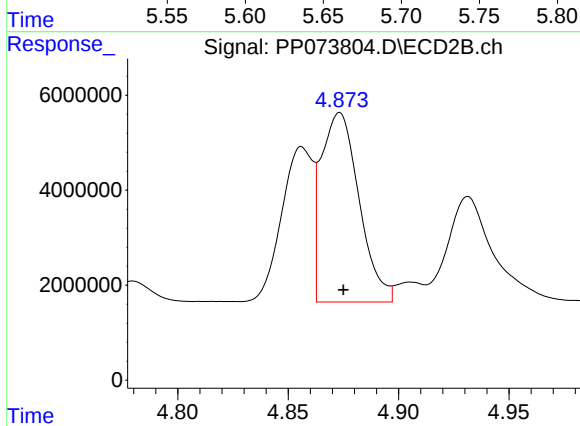
#3 AR-1016-1

R.T.: 4.856 min
Delta R.T.: -0.001 min
Response: 32242882
Conc: 472.94 ng/ml



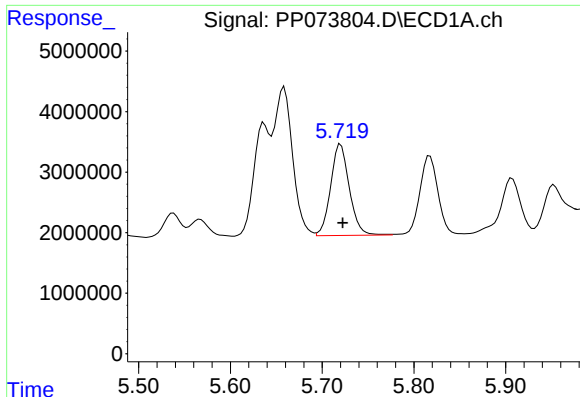
#4 AR-1016-2

R.T.: 5.659 min
Delta R.T.: -0.002 min
Response: 35228241
Conc: 494.68 ng/ml



#4 AR-1016-2

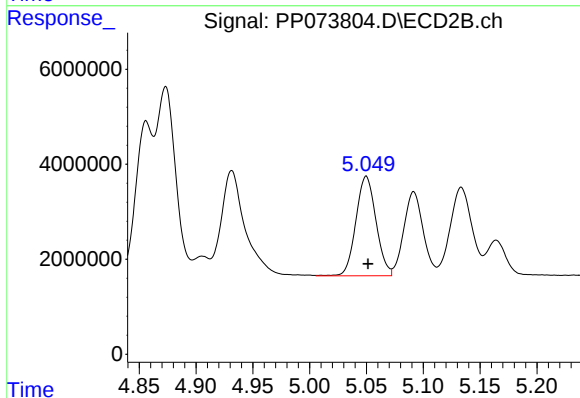
R.T.: 4.873 min
Delta R.T.: -0.002 min
Response: 47584166
Conc: 467.04 ng/ml



#5 AR-1016-3

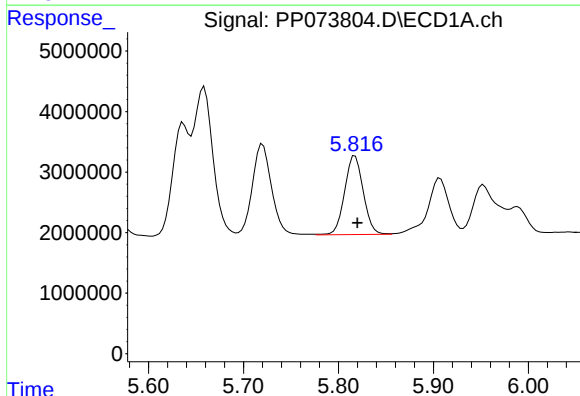
R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 21343872
Conc: 488.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



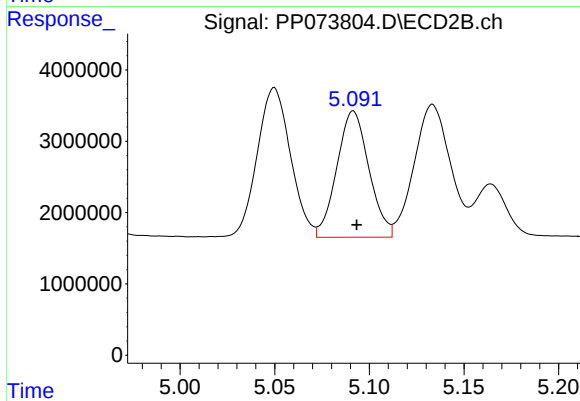
#5 AR-1016-3

R.T.: 5.050 min
Delta R.T.: -0.002 min
Response: 25798766
Conc: 476.82 ng/ml



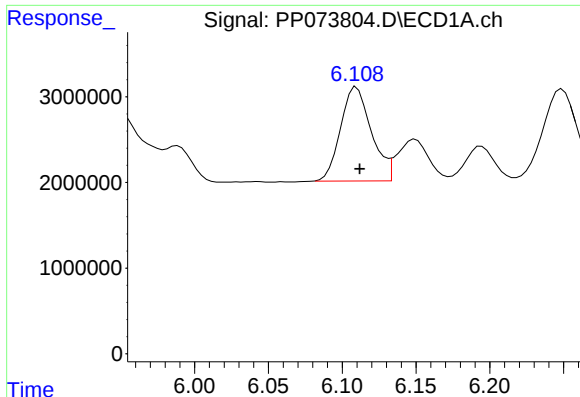
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.003 min
Response: 17744350
Conc: 493.64 ng/ml



#6 AR-1016-4

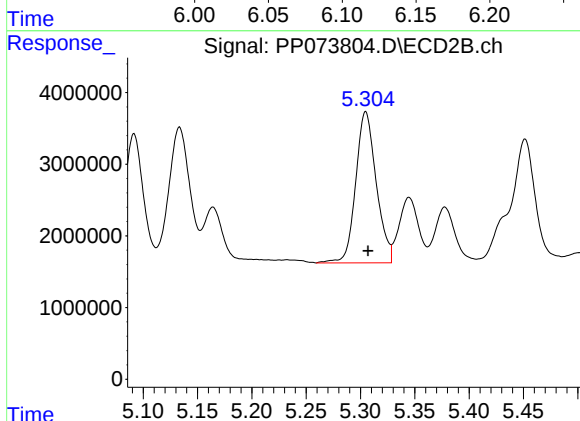
R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 20911283
Conc: 476.55 ng/ml



#7 AR-1016-5

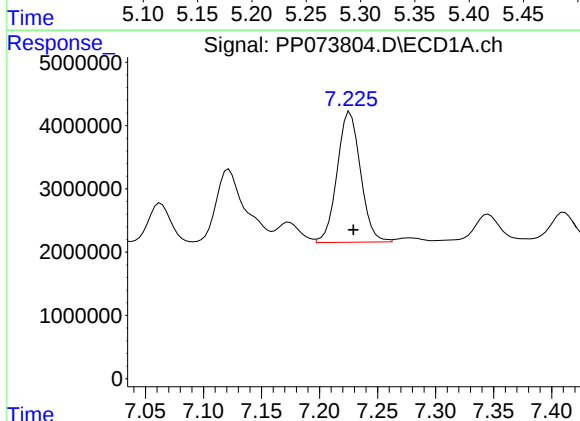
R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 15895513
Conc: 507.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



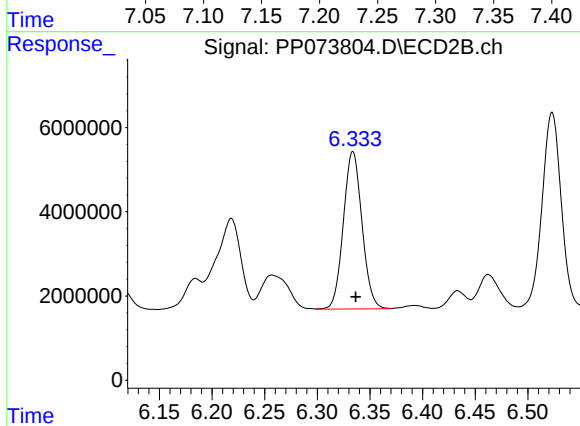
#7 AR-1016-5

R.T.: 5.305 min
Delta R.T.: -0.002 min
Response: 27812329
Conc: 509.55 ng/ml



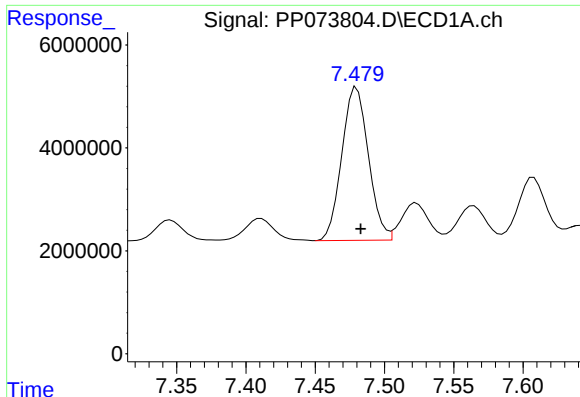
#31 AR-1260-1

R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 28860473
Conc: 489.48 ng/ml



#31 AR-1260-1

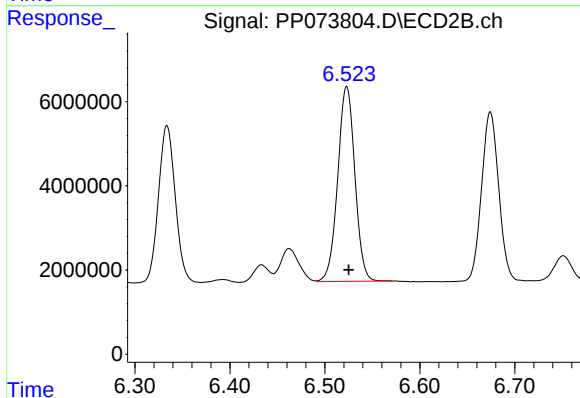
R.T.: 6.334 min
Delta R.T.: -0.003 min
Response: 46066145
Conc: 472.18 ng/ml



#32 AR-1260-2

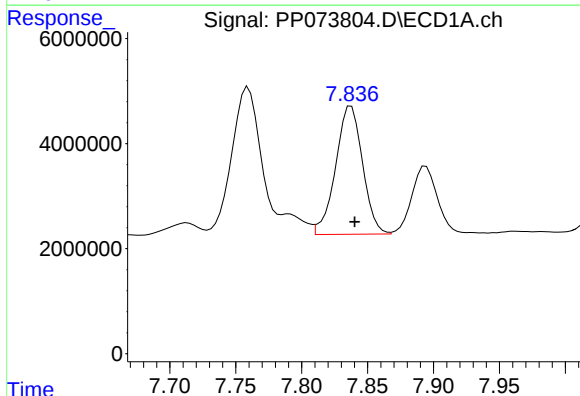
R.T.: 7.480 min
Delta R.T.: -0.003 min
Response: 39835100
Conc: 415.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



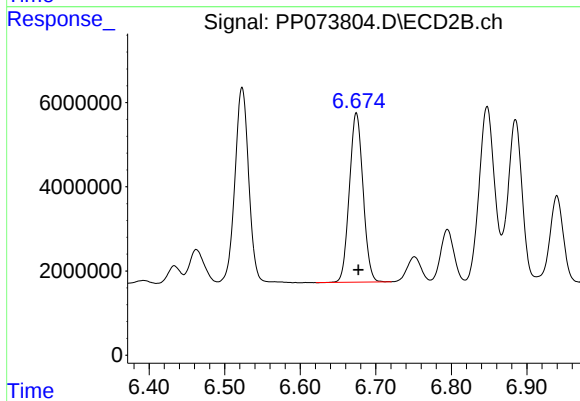
#32 AR-1260-2

R.T.: 6.523 min
Delta R.T.: -0.002 min
Response: 58220499
Conc: 473.96 ng/ml



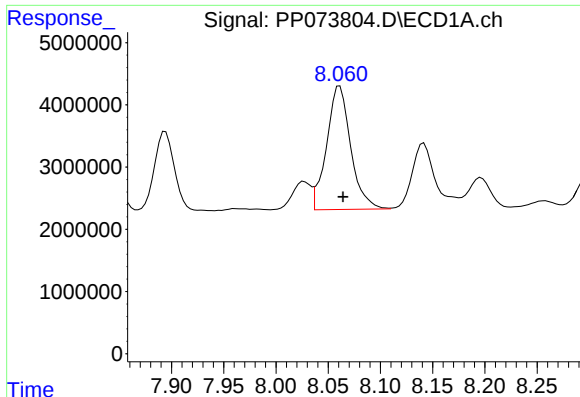
#33 AR-1260-3

R.T.: 7.838 min
Delta R.T.: -0.003 min
Response: 34703178
Conc: 474.93 ng/ml



#33 AR-1260-3

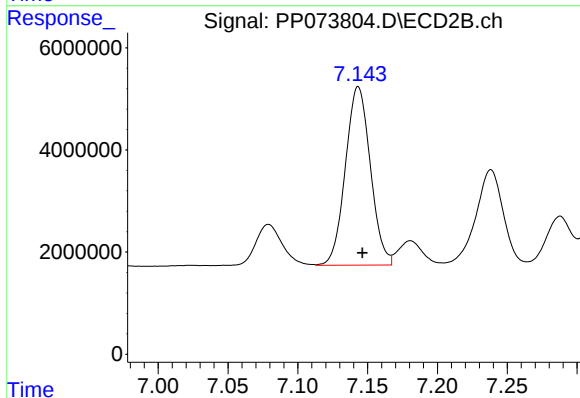
R.T.: 6.674 min
Delta R.T.: -0.003 min
Response: 50435972
Conc: 460.75 ng/ml



#34 AR-1260-4

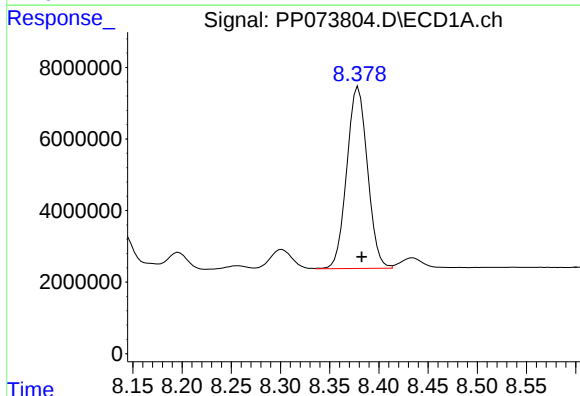
R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 31773073
Conc: 486.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



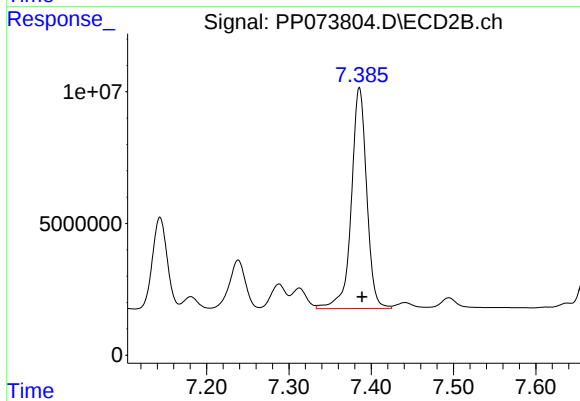
#34 AR-1260-4

R.T.: 7.143 min
Delta R.T.: -0.003 min
Response: 43520879
Conc: 486.76 ng/ml



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.003 min
Response: 74279002
Conc: 492.39 ng/ml



#35 AR-1260-5

R.T.: 7.386 min
Delta R.T.: -0.003 min
Response: 108999729
Conc: 485.01 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/15/2025

Initial Calibration Date(s): 07/07/2025

07/08/2025

Continuing Calib Time: 21:02

Initial Calibration Time(s): 21:03

04:24

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.63	5.64	5.54	5.74	0.01
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.48	4.49	4.39	4.59	0.01
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/15/2025

Initial Calibration Date(s): 07/07/2025

07/08/2025

Continuing Calib Time: 21:02

Initial Calibration Time(s): 21:03

04:24

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/15/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073819.D **Time Analyzed:** 21:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.634	5.539	5.739	406.560	500.000	-18.7
Aroclor-1016-2	5.655	5.560	5.760	433.980	500.000	-13.2
Aroclor-1016-3	5.718	5.622	5.822	433.080	500.000	-13.4
Aroclor-1016-4	5.815	5.720	5.920	439.190	500.000	-12.2
Aroclor-1016-5	6.107	6.012	6.212	444.730	500.000	-11.1
Aroclor-1260-1	7.223	7.129	7.329	426.830	500.000	-14.6
Aroclor-1260-2	7.477	7.383	7.583	361.680	500.000	-27.7
Aroclor-1260-3	7.835	7.740	7.940	411.850	500.000	-17.6
Aroclor-1260-4	8.058	7.964	8.164	422.130	500.000	-15.6
Aroclor-1260-5	8.376	8.283	8.483	430.280	500.000	-13.9
Decachlorobiphenyl	10.166	10.076	10.276	45.300	50.000	-9.4
Tetrachloro-m-xylene	4.484	4.388	4.588	45.830	50.000	-8.3



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/15/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073819.D **Time Analyzed:** 21:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.854	4.758	4.958	469.990	500.000	-6.0
Aroclor-1016-2	4.871	4.775	4.975	464.330	500.000	-7.1
Aroclor-1016-3	5.048	4.951	5.151	474.880	500.000	-5.0
Aroclor-1016-4	5.090	4.993	5.193	470.170	500.000	-6.0
Aroclor-1016-5	5.303	5.207	5.407	502.970	500.000	0.6
Aroclor-1260-1	6.332	6.237	6.437	439.520	500.000	-12.1
Aroclor-1260-2	6.521	6.425	6.625	445.700	500.000	-10.9
Aroclor-1260-3	6.672	6.577	6.777	430.730	500.000	-13.9
Aroclor-1260-4	7.142	7.046	7.246	447.390	500.000	-10.5
Aroclor-1260-5	7.384	7.289	7.489	445.990	500.000	-10.8
Decachlorobiphenyl	8.774	8.680	8.880	50.560	50.000	1.1
Tetrachloro-m-xylene	3.777	3.678	3.878	46.870	50.000	-6.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
 Data File : PP073819.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Jul 2025 21:02
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 01:53:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:35:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.484	3.777	62760501	86345330	45.826	46.868
2) SA Decachlor...	10.166	8.774	49420768	66893713	45.296	50.556
Target Compounds						
3) L1 AR-1016-1	5.634	4.854	19316996	32041247	406.557	469.987
4) L1 AR-1016-2	5.655	4.871	30905659	47307925	433.977	464.329
5) L1 AR-1016-3	5.718	5.048	18909493	25694145	433.077	474.883
6) L1 AR-1016-4	5.815	5.090	15787080	20631336	439.194	470.167
7) L1 AR-1016-5	6.107	5.303	13933482	27453456	444.727	502.972
31) L7 AR-1260-1	7.223	6.332	25166243	42880162	426.827	439.525
32) L7 AR-1260-2	7.477	6.521	34663171	54748601	361.678	445.699
33) L7 AR-1260-3	7.835	6.672	30094214	47149040	411.851	430.727
34) L7 AR-1260-4	8.058	7.142	27564997	40000492	422.129	447.391
35) L7 AR-1260-5	8.376	7.384	64909150	100.2E6	430.282	445.991

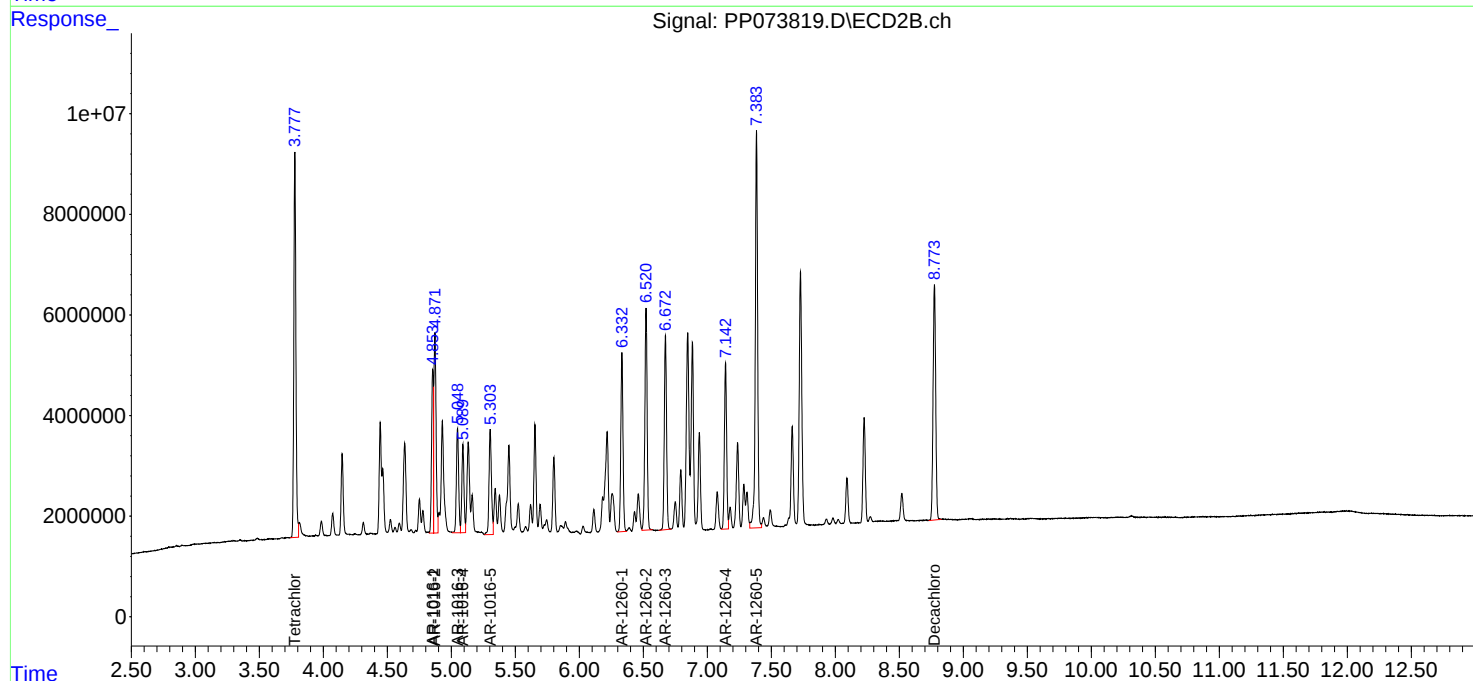
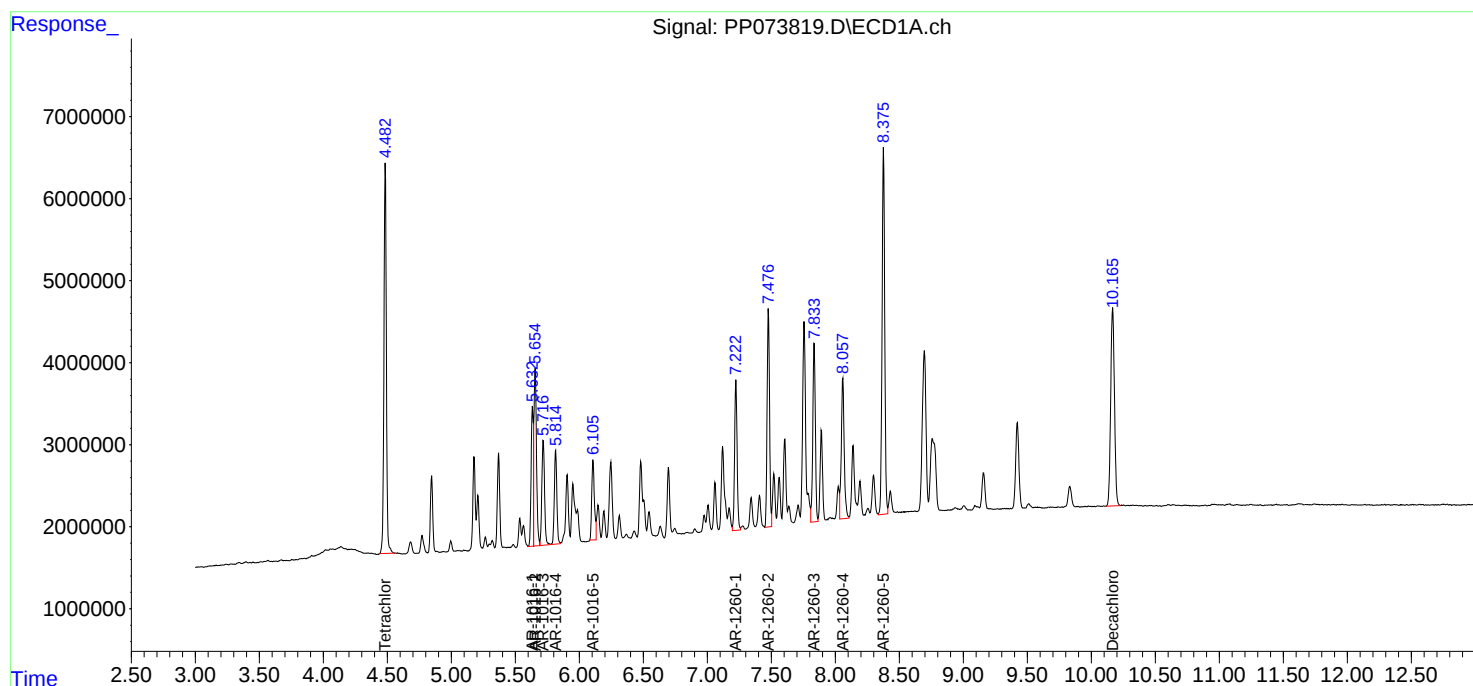
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

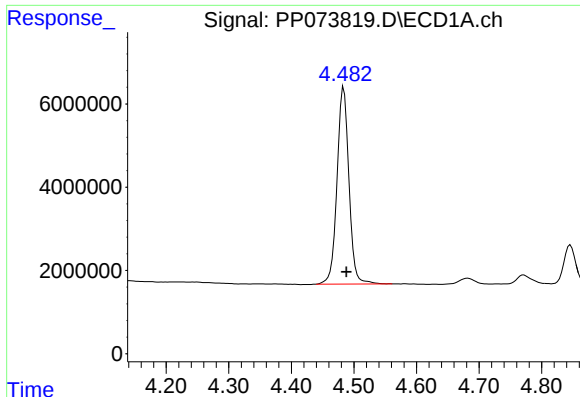
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073819.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 21:02
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:53:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

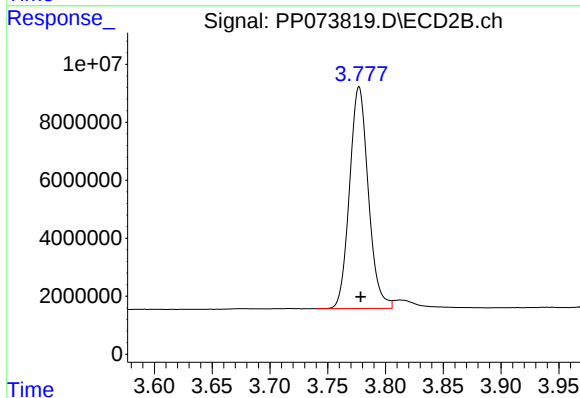




#1 Tetrachloro-m-xylene

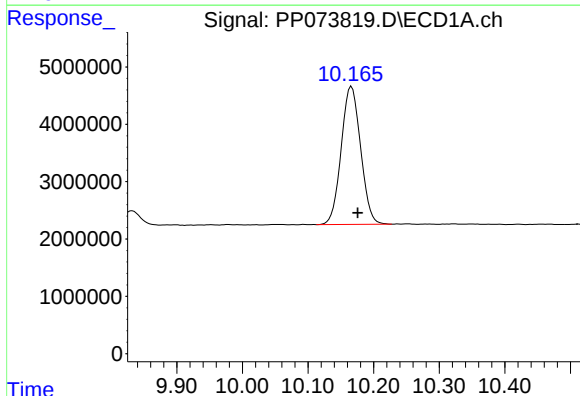
R.T.: 4.484 min
Delta R.T.: -0.004 min
Response: 62760501
Conc: 45.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



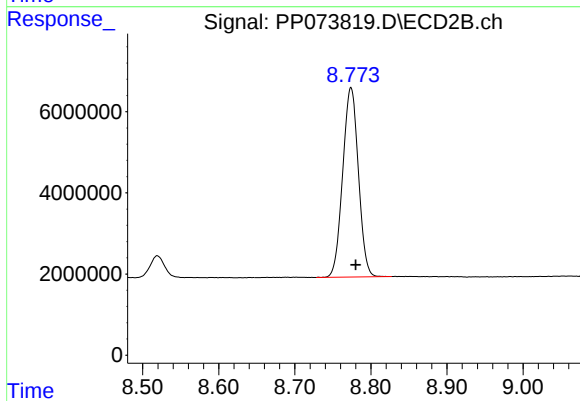
#1 Tetrachloro-m-xylene

R.T.: 3.777 min
Delta R.T.: -0.001 min
Response: 86345330
Conc: 46.87 ng/ml



#2 Decachlorobiphenyl

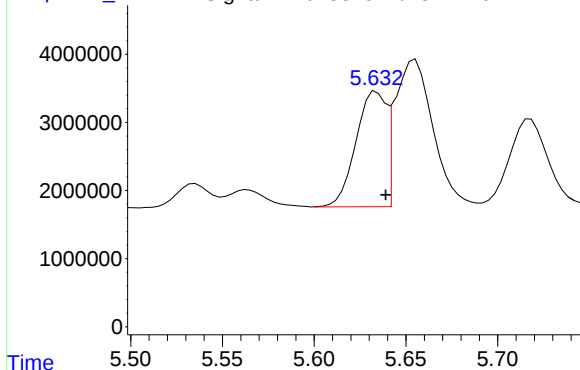
R.T.: 10.166 min
Delta R.T.: -0.010 min
Response: 49420768
Conc: 45.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.774 min
Delta R.T.: -0.006 min
Response: 66893713
Conc: 50.56 ng/ml

Response_ Signal: PP073819.D\ECD1A.ch

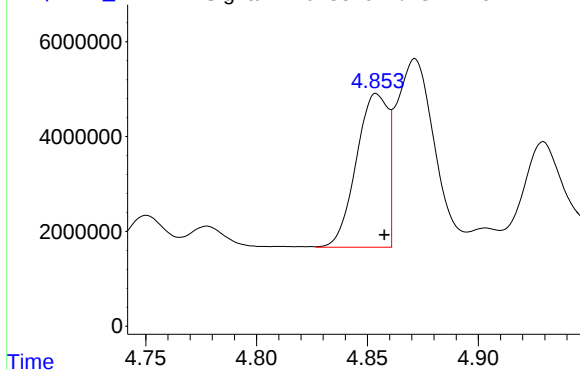


#3 AR-1016-1

R.T.: 5.634 min
Delta R.T.: -0.005 min
Response: 19316996
Conc: 406.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

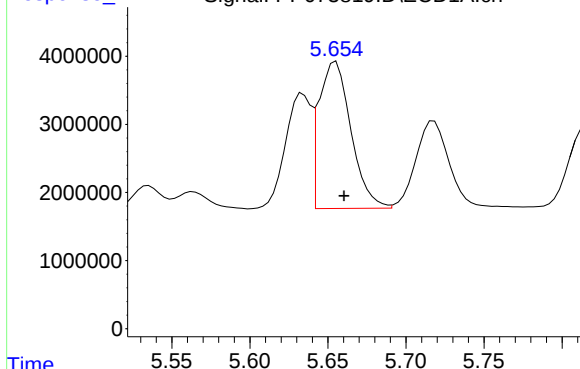
Response_ Signal: PP073819.D\ECD2B.ch



#3 AR-1016-1

R.T.: 4.854 min
Delta R.T.: -0.003 min
Response: 32041247
Conc: 469.99 ng/ml

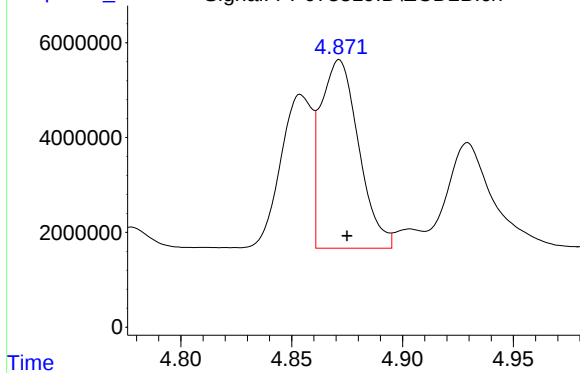
Response_ Signal: PP073819.D\ECD1A.ch



#4 AR-1016-2

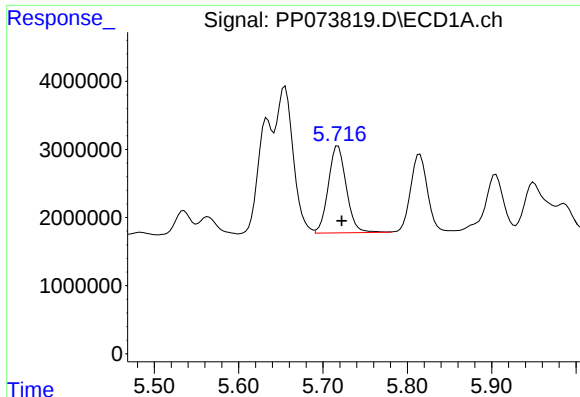
R.T.: 5.655 min
Delta R.T.: -0.005 min
Response: 30905659
Conc: 433.98 ng/ml

Response_ Signal: PP073819.D\ECD2B.ch



#4 AR-1016-2

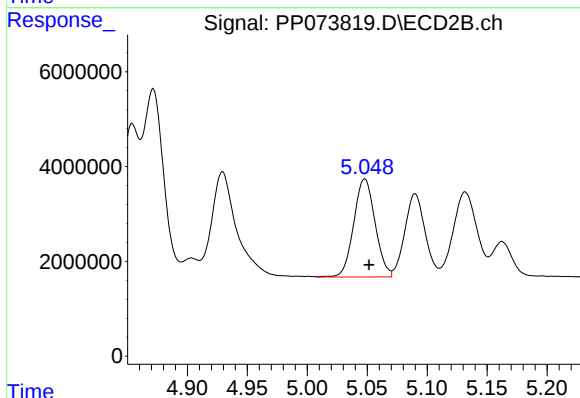
R.T.: 4.871 min
Delta R.T.: -0.004 min
Response: 47307925
Conc: 464.33 ng/ml



#5 AR-1016-3

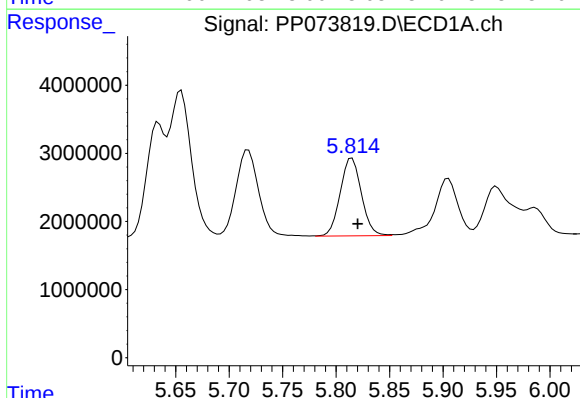
R.T.: 5.718 min
Delta R.T.: -0.005 min
Response: 18909493
Conc: 433.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



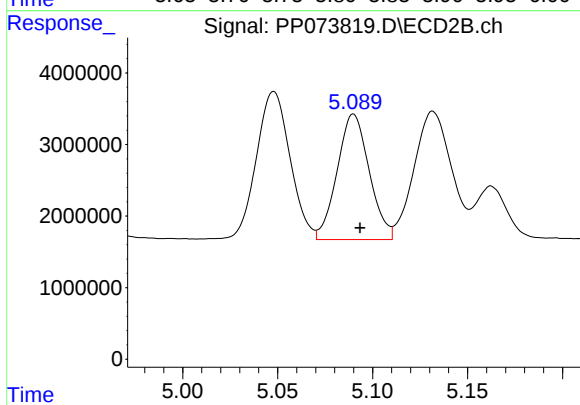
#5 AR-1016-3

R.T.: 5.048 min
Delta R.T.: -0.004 min
Response: 25694145
Conc: 474.88 ng/ml



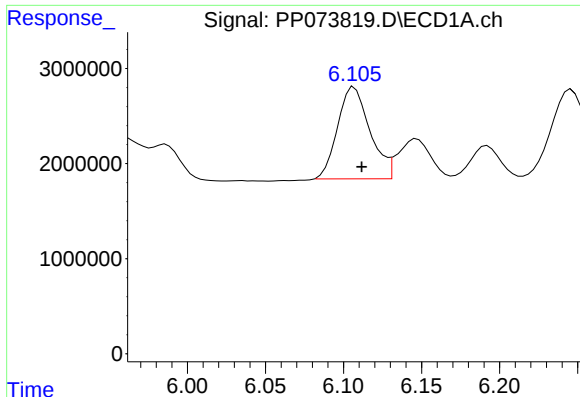
#6 AR-1016-4

R.T.: 5.815 min
Delta R.T.: -0.005 min
Response: 15787080
Conc: 439.19 ng/ml



#6 AR-1016-4

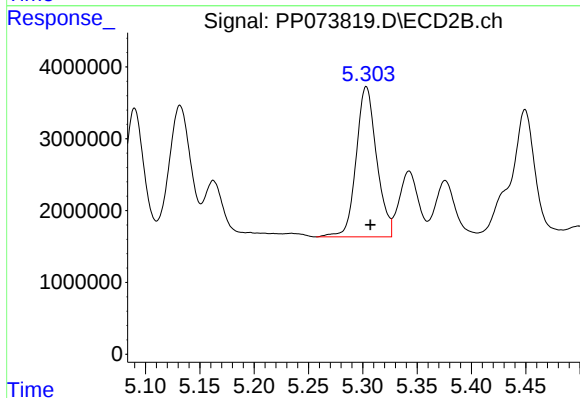
R.T.: 5.090 min
Delta R.T.: -0.003 min
Response: 20631336
Conc: 470.17 ng/ml



#7 AR-1016-5

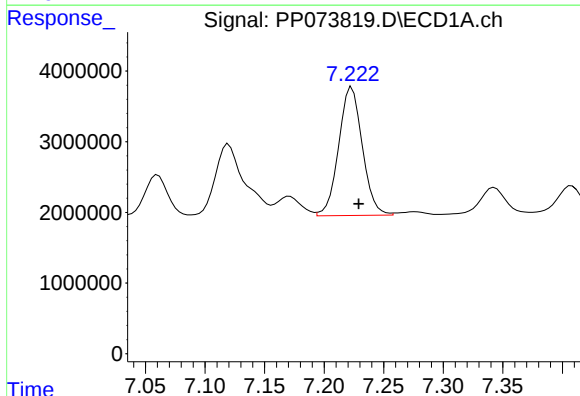
R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 13933482
Conc: 444.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



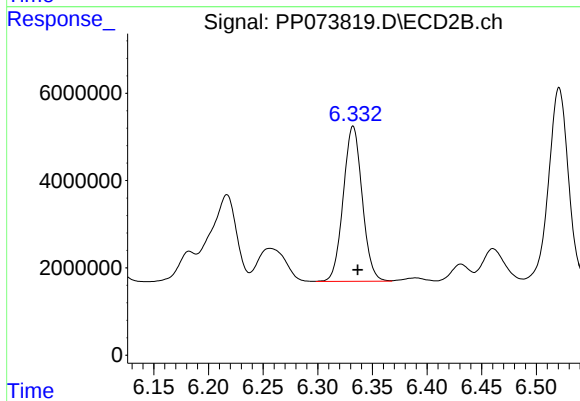
#7 AR-1016-5

R.T.: 5.303 min
Delta R.T.: -0.004 min
Response: 27453456
Conc: 502.97 ng/ml



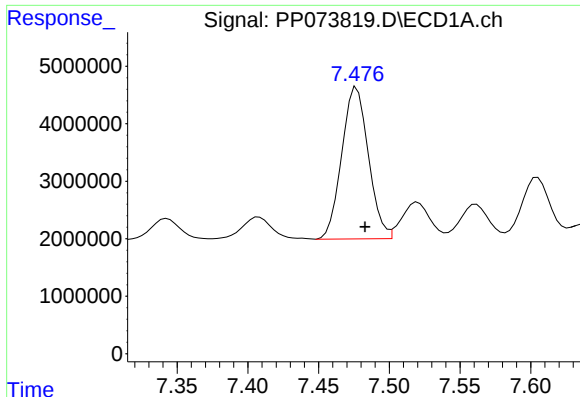
#31 AR-1260-1

R.T.: 7.223 min
Delta R.T.: -0.006 min
Response: 25166243
Conc: 426.83 ng/ml



#31 AR-1260-1

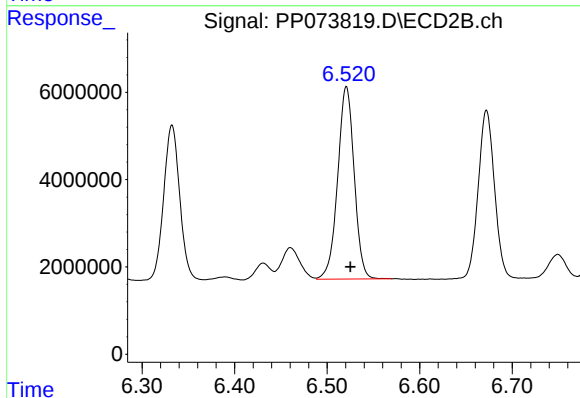
R.T.: 6.332 min
Delta R.T.: -0.004 min
Response: 42880162
Conc: 439.52 ng/ml



#32 AR-1260-2

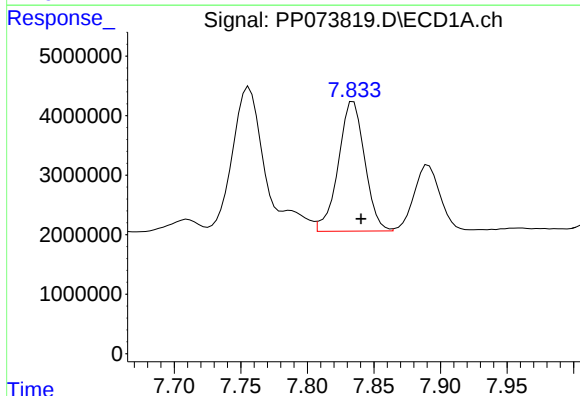
R.T.: 7.477 min
Delta R.T.: -0.006 min
Response: 34663171
Conc: 361.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



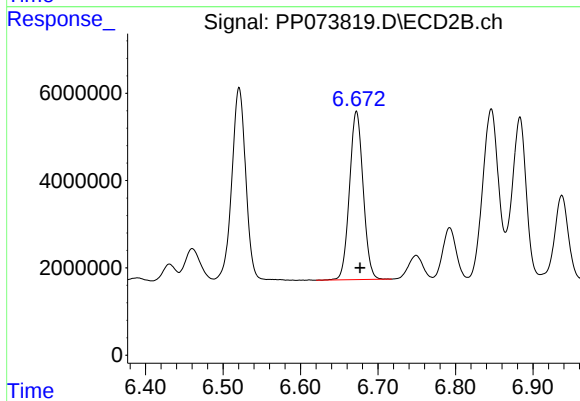
#32 AR-1260-2

R.T.: 6.521 min
Delta R.T.: -0.004 min
Response: 54748601
Conc: 445.70 ng/ml



#33 AR-1260-3

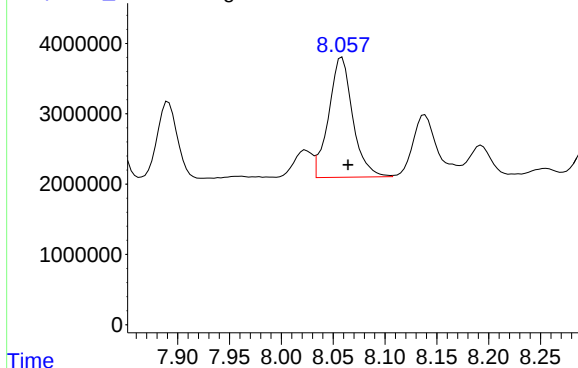
R.T.: 7.835 min
Delta R.T.: -0.006 min
Response: 30094214
Conc: 411.85 ng/ml



#33 AR-1260-3

R.T.: 6.672 min
Delta R.T.: -0.005 min
Response: 47149040
Conc: 430.73 ng/ml

Response_ Signal: PP073819.D\ECD1A.ch

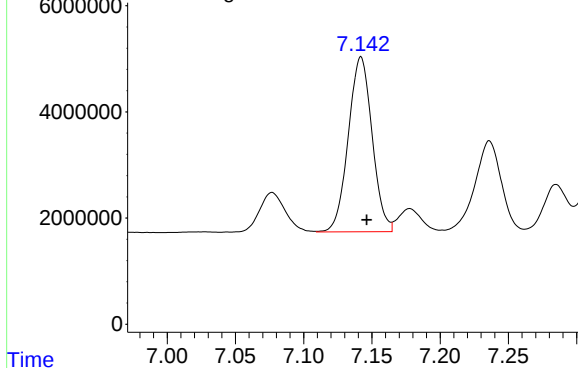


#34 AR-1260-4

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 27564997
Conc: 422.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

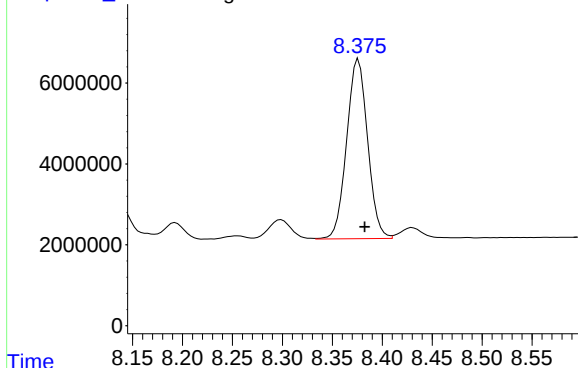
Time Response_ Signal: PP073819.D\ECD2B.ch



#34 AR-1260-4

R.T.: 7.142 min
Delta R.T.: -0.004 min
Response: 40000492
Conc: 447.39 ng/ml

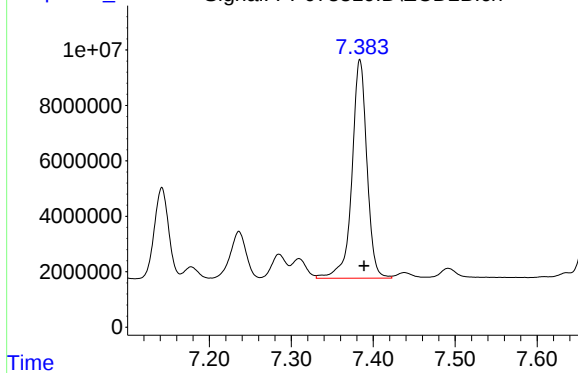
Time Response_ Signal: PP073819.D\ECD1A.ch



#35 AR-1260-5

R.T.: 8.376 min
Delta R.T.: -0.006 min
Response: 64909150
Conc: 430.28 ng/ml

Time Response_ Signal: PP073819.D\ECD2B.ch



#35 AR-1260-5

R.T.: 7.384 min
Delta R.T.: -0.005 min
Response: 100230393
Conc: 445.99 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/16/2025

Initial Calibration Date(s): 07/07/2025

07/08/2025

Continuing Calib Time: 04:09

Initial Calibration Time(s): 21:03

04:24

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/16/2025

Initial Calibration Date(s): 07/07/2025

07/08/2025

Continuing Calib Time: 04:09

Initial Calibration Time(s): 21:03

04:24

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/16/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073834.D **Time Analyzed:** 04:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.637	5.539	5.739	406.110	500.000	-18.8
Aroclor-1016-2	5.658	5.560	5.760	444.870	500.000	-11.0
Aroclor-1016-3	5.721	5.622	5.822	434.180	500.000	-13.2
Aroclor-1016-4	5.818	5.720	5.920	441.020	500.000	-11.8
Aroclor-1016-5	6.110	6.012	6.212	459.000	500.000	-8.2
Aroclor-1260-1	7.227	7.129	7.329	442.950	500.000	-11.4
Aroclor-1260-2	7.478	7.383	7.583	388.470	500.000	-22.3
Aroclor-1260-3	7.838	7.740	7.940	428.260	500.000	-14.3
Aroclor-1260-4	8.062	7.964	8.164	439.070	500.000	-12.2
Aroclor-1260-5	8.379	8.283	8.483	434.140	500.000	-13.2
Decachlorobiphenyl	10.171	10.076	10.276	46.520	50.000	-7.0
Tetrachloro-m-xylene	4.486	4.388	4.588	45.710	50.000	-8.6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/16/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP073834.D **Time Analyzed:** 04:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.855	4.758	4.958	468.590	500.000	-6.3
Aroclor-1016-2	4.872	4.775	4.975	472.680	500.000	-5.5
Aroclor-1016-3	5.049	4.951	5.151	477.370	500.000	-4.5
Aroclor-1016-4	5.090	4.993	5.193	474.450	500.000	-5.1
Aroclor-1016-5	5.303	5.207	5.407	494.620	500.000	-1.1
Aroclor-1260-1	6.333	6.237	6.437	483.280	500.000	-3.3
Aroclor-1260-2	6.522	6.425	6.625	491.070	500.000	-1.8
Aroclor-1260-3	6.673	6.577	6.777	469.470	500.000	-6.1
Aroclor-1260-4	7.142	7.046	7.246	479.030	500.000	-4.2
Aroclor-1260-5	7.385	7.289	7.489	473.830	500.000	-5.2
Decachlorobiphenyl	8.774	8.680	8.880	53.240	50.000	6.5
Tetrachloro-m-xylene	3.777	3.678	3.878	46.020	50.000	-8.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
 Data File : PP073834.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jul 2025 04:09
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2025
 Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 04:36:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:35:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.486	3.777	62599094	84780663	45.709	46.019
2) SA Decachlor...	10.171	8.774	50755584	70445975	46.520	53.241
Target Compounds						
3) L1 AR-1016-1	5.637	4.855	19295842	31946235	406.112	468.594
4) L1 AR-1016-2	5.658	4.872	31681377	48158643	444.870	472.679
5) L1 AR-1016-3	5.721	5.049	18957734	25828737	434.182	477.370
6) L1 AR-1016-4	5.818	5.090	15852774	20819097	441.022	474.446
7) L1 AR-1016-5	6.110	5.303	14380755	26997519	459.003	494.618m
31) L7 AR-1260-1	7.227	6.333	26116827	47148553	442.949	483.276
32) L7 AR-1260-2	7.478	6.522	37230503	60321651	388.466m	491.068 #
33) L7 AR-1260-3	7.838	6.673	31293344	51390104	428.262	469.471
34) L7 AR-1260-4	8.062	7.142	28671006	42829708	439.067	479.034
35) L7 AR-1260-5	8.379	7.385	65491221	106.5E6	434.140	473.834

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073834.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2025 04:09
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

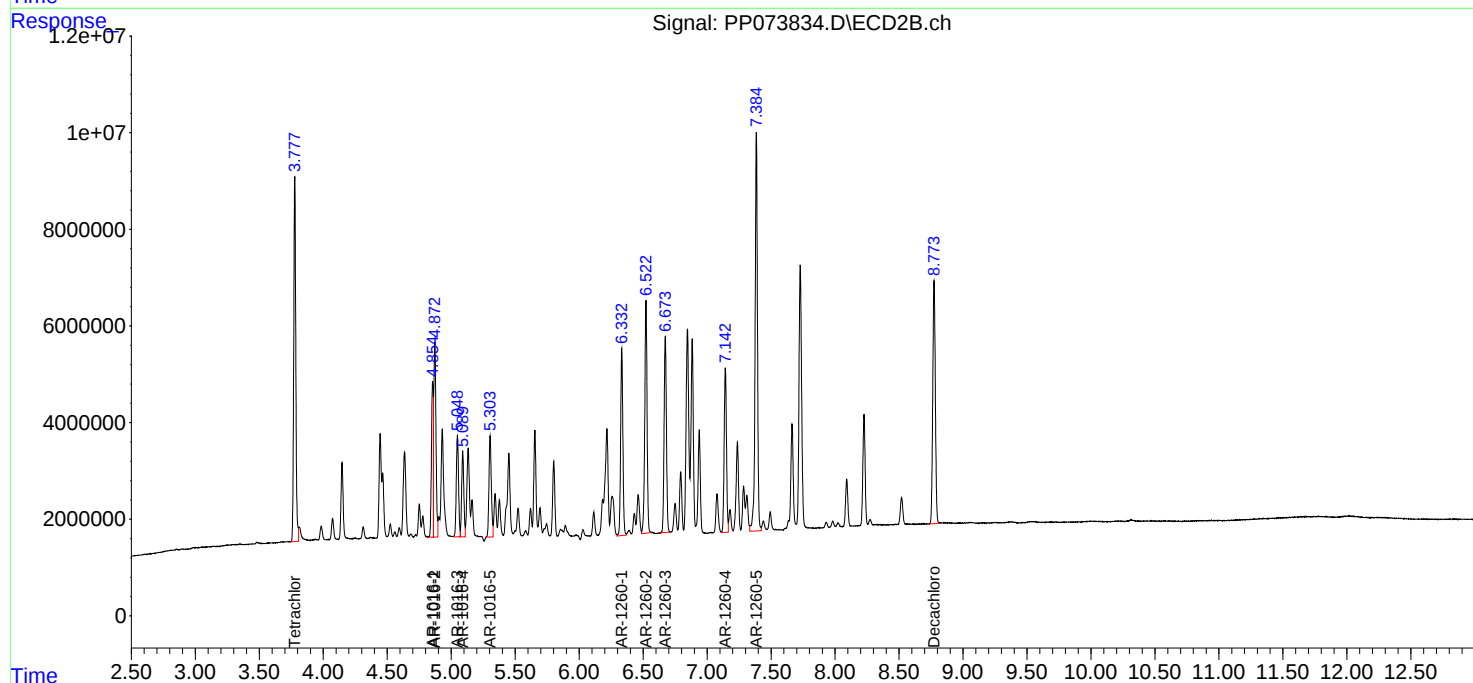
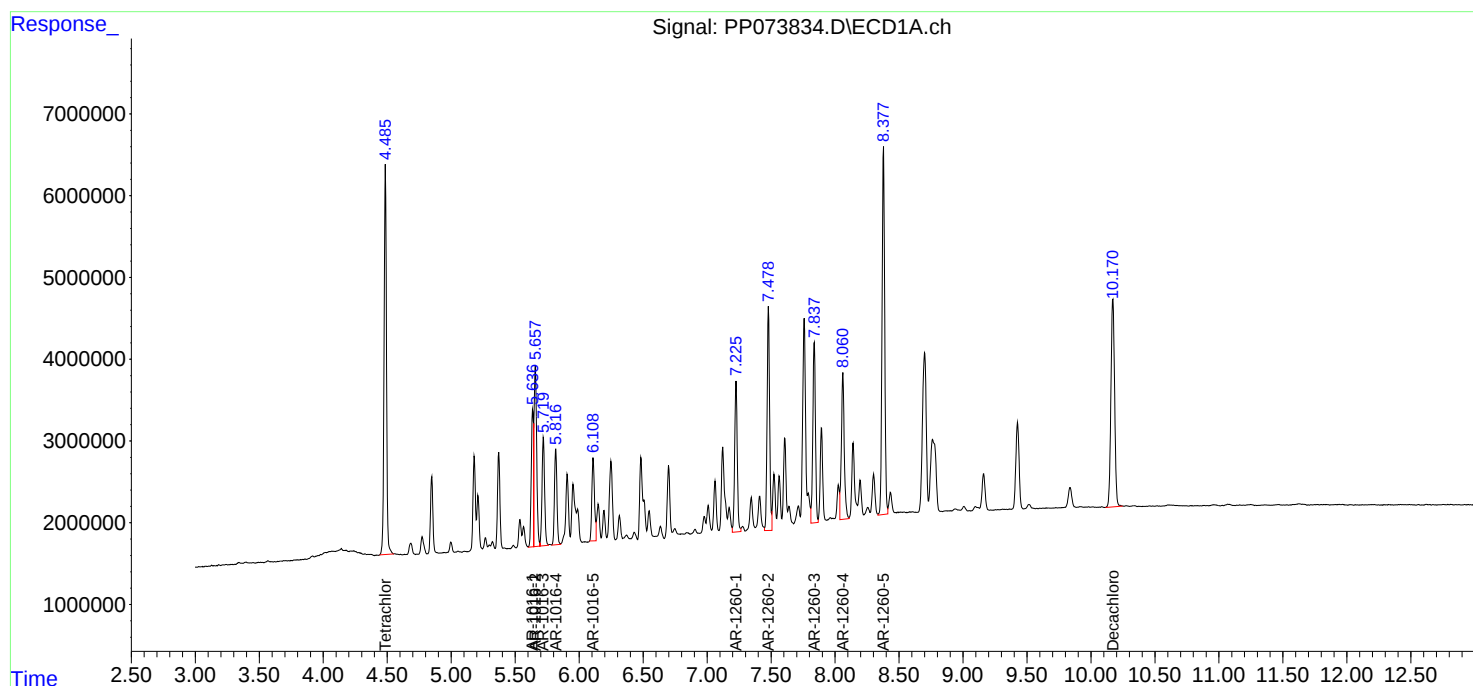
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

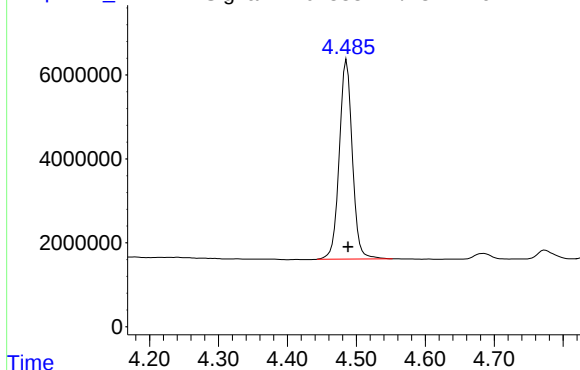
Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 04:36:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PP073834.D\ECD1A.ch



#1 Tetrachloro-m-xylene

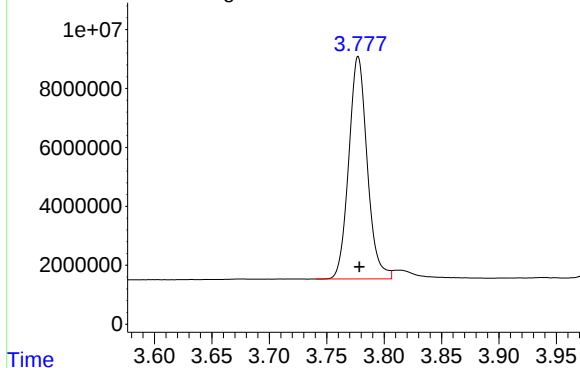
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 62599094
Conc: 45.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

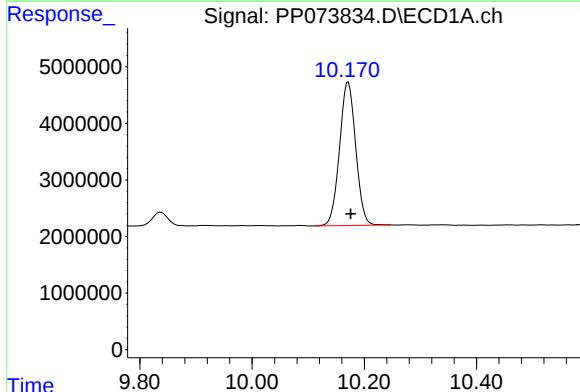
Response_ Signal: PP073834.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.777 min
Delta R.T.: -0.001 min
Response: 84780663
Conc: 46.02 ng/ml

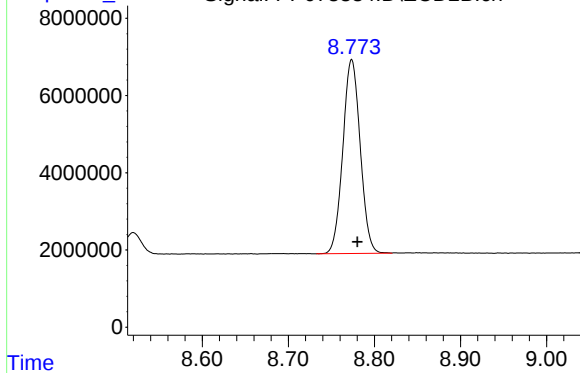
Response_ Signal: PP073834.D\ECD1A.ch



#2 Decachlorobiphenyl

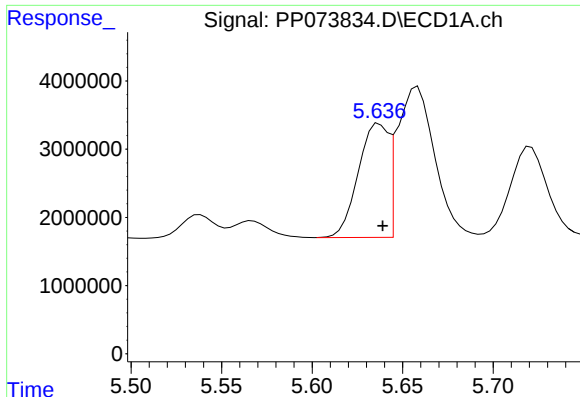
R.T.: 10.171 min
Delta R.T.: -0.005 min
Response: 50755584
Conc: 46.52 ng/ml

Response_ Signal: PP073834.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.774 min
Delta R.T.: -0.007 min
Response: 70445975
Conc: 53.24 ng/ml



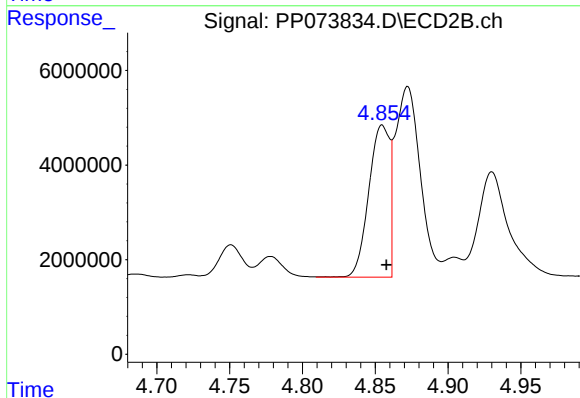
#3 AR-1016-1

R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 19295842
Conc: 406.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

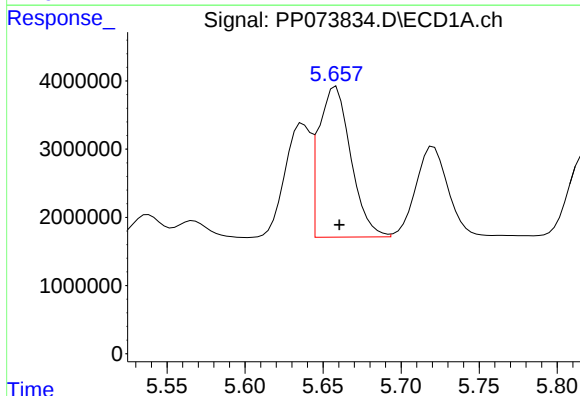
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



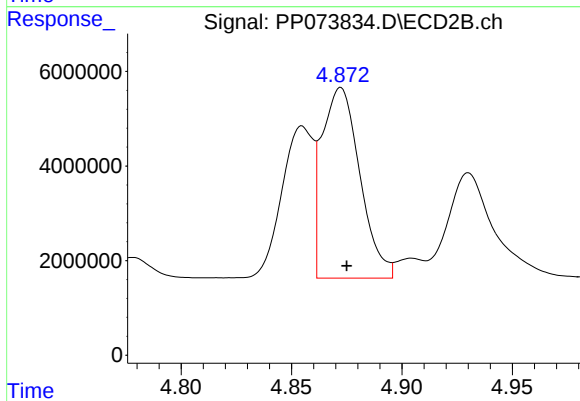
#3 AR-1016-1

R.T.: 4.855 min
Delta R.T.: -0.003 min
Response: 31946235
Conc: 468.59 ng/ml



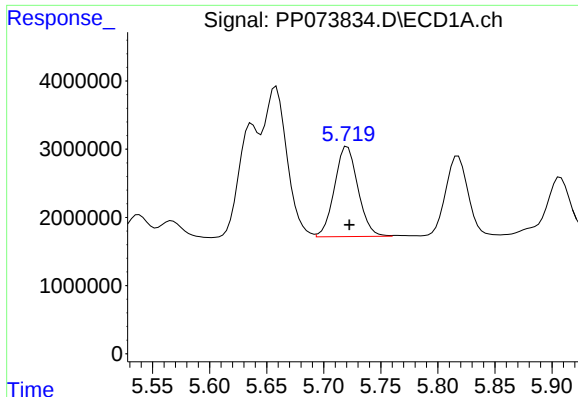
#4 AR-1016-2

R.T.: 5.658 min
Delta R.T.: -0.002 min
Response: 31681377
Conc: 444.87 ng/ml



#4 AR-1016-2

R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 48158643
Conc: 472.68 ng/ml



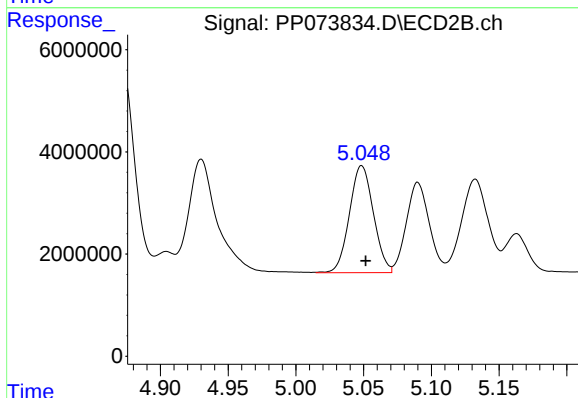
#5 AR-1016-3

R.T.: 5.721 min
Delta R.T.: -0.002 min
Response: 18957734
Conc: 434.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

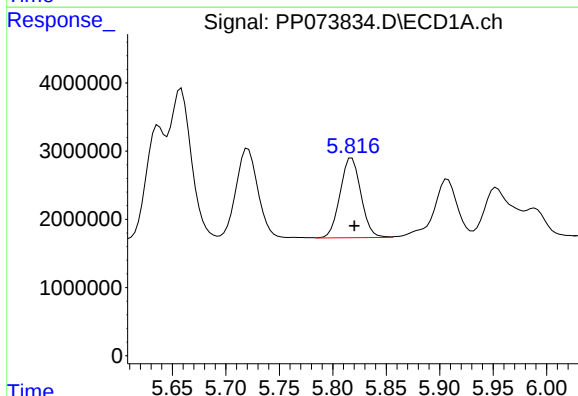
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



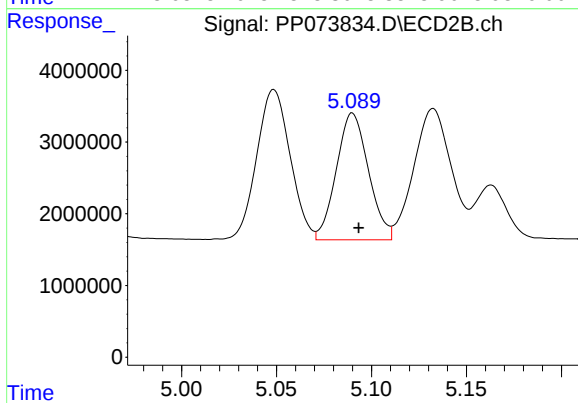
#5 AR-1016-3

R.T.: 5.049 min
Delta R.T.: -0.003 min
Response: 25828737
Conc: 477.37 ng/ml



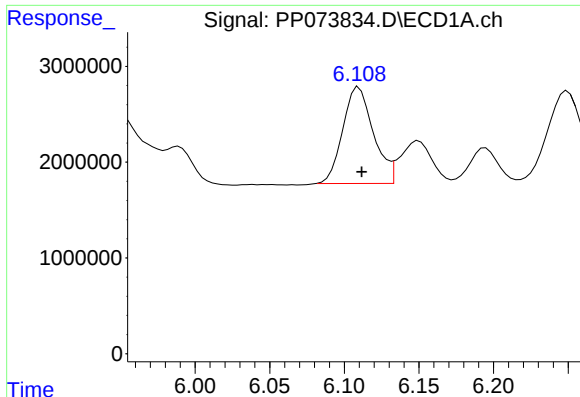
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 15852774
Conc: 441.02 ng/ml



#6 AR-1016-4

R.T.: 5.090 min
Delta R.T.: -0.003 min
Response: 20819097
Conc: 474.45 ng/ml



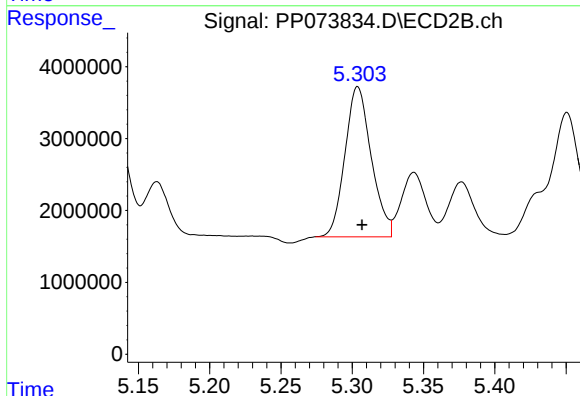
#7 AR-1016-5

R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 14380755
Conc: 459.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

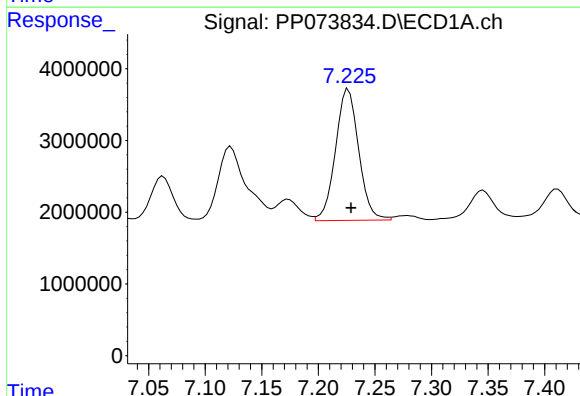
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



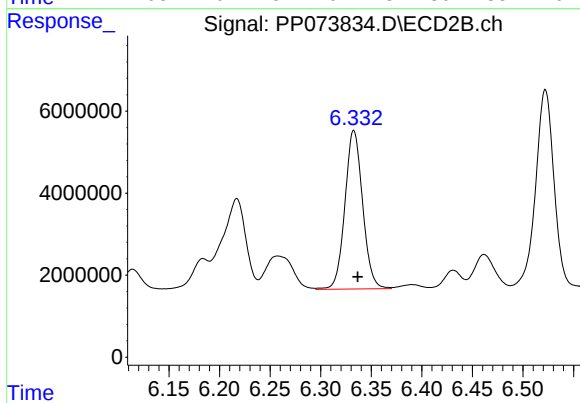
#7 AR-1016-5

R.T.: 5.303 min
Delta R.T.: -0.004 min
Response: 26997519
Conc: 494.62 ng/ml m



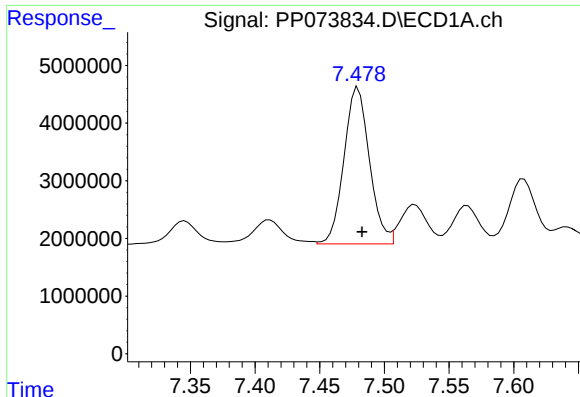
#31 AR-1260-1

R.T.: 7.227 min
Delta R.T.: -0.002 min
Response: 26116827
Conc: 442.95 ng/ml



#31 AR-1260-1

R.T.: 6.333 min
Delta R.T.: -0.004 min
Response: 47148553
Conc: 483.28 ng/ml



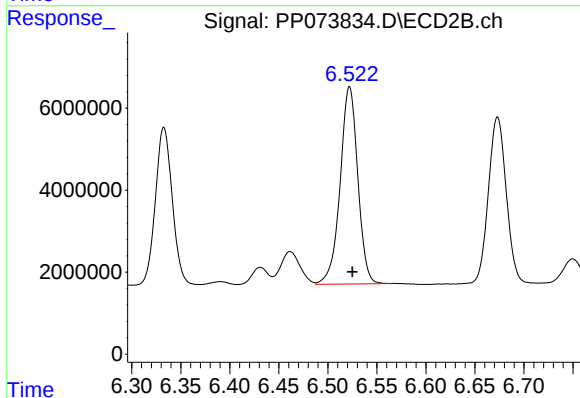
#32 AR-1260-2

R.T.: 7.478 min
Delta R.T.: -0.004 min
Response: 37230503
Conc: 388.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

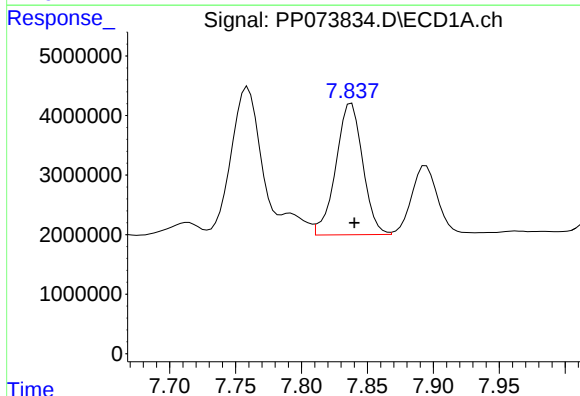
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



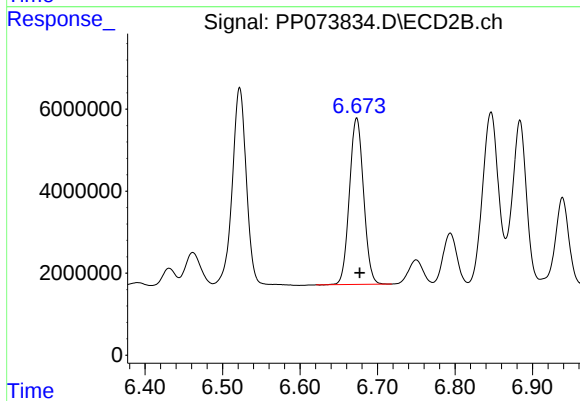
#32 AR-1260-2

R.T.: 6.522 min
Delta R.T.: -0.003 min
Response: 60321651
Conc: 491.07 ng/ml



#33 AR-1260-3

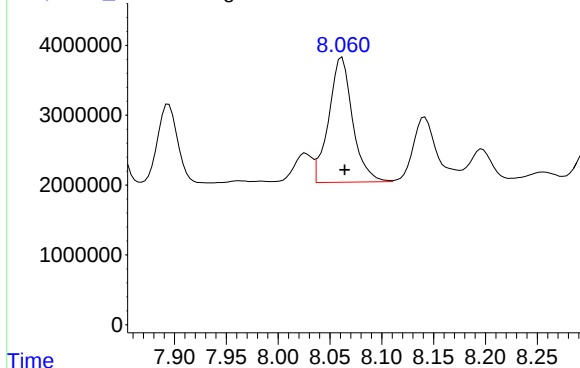
R.T.: 7.838 min
Delta R.T.: -0.002 min
Response: 31293344
Conc: 428.26 ng/ml



#33 AR-1260-3

R.T.: 6.673 min
Delta R.T.: -0.004 min
Response: 51390104
Conc: 469.47 ng/ml

Response_ Signal: PP073834.D\ECD1A.ch



#34 AR-1260-4

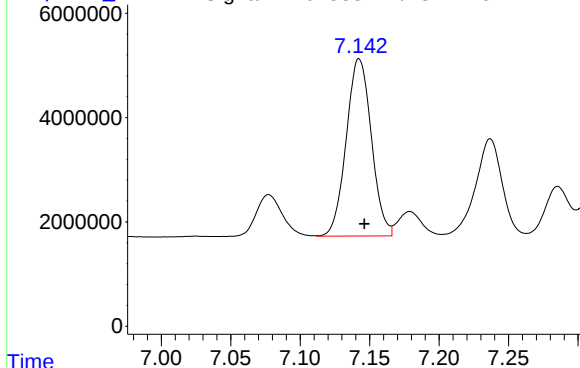
R.T.: 8.062 min
Delta R.T.: -0.003 min
Response: 28671006
Conc: 439.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

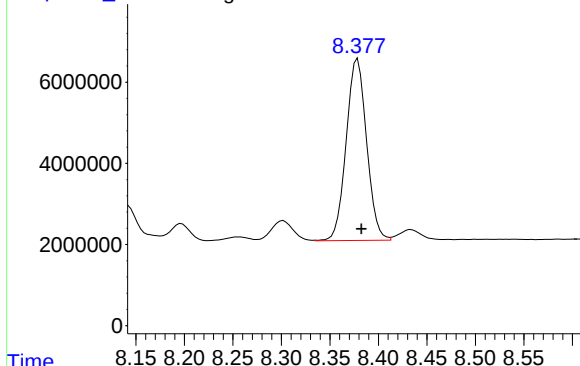
Time Response_ Signal: PP073834.D\ECD2B.ch



#34 AR-1260-4

R.T.: 7.142 min
Delta R.T.: -0.004 min
Response: 42829708
Conc: 479.03 ng/ml

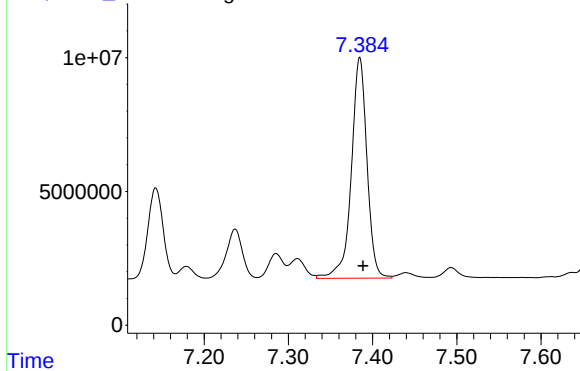
Time Response_ Signal: PP073834.D\ECD1A.ch



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.004 min
Response: 65491221
Conc: 434.14 ng/ml

Time Response_ Signal: PP073834.D\ECD2B.ch



#35 AR-1260-5

R.T.: 7.385 min
Delta R.T.: -0.004 min
Response: 106487883
Conc: 473.83 ng/ml

Analytical Sequence

Client: PARSONS Engineering of New York, Inc.	SDG No.: Q2592
Project: Con Edison - East River Site 2	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 07/07/2025 07/07/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/07/2025	20:30	PP073553.D	10.18	4.49
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	10.18	4.49
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	10.18	4.49
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	10.18	4.49
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	10.18	4.49
AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	10.17	4.49
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	10.18	4.49
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	10.18	4.49
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	10.18	4.49
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	10.18	4.49
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	10.17	4.49
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	10.18	4.49
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	10.17	4.49
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	10.18	4.49
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	10.18	4.49
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	10.17	4.49
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	10.18	4.49
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	10.17	4.49
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	10.18	4.49
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	10.18	4.49
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	10.17	4.49
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	10.18	4.49
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	10.18	4.49
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	10.18	4.49
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	10.18	4.49
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	10.18	4.49
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	10.18	4.49
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	10.17	4.49
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/15/2025	16:08	PP073804.D	10.17	4.49
IBLK	IBLK	07/15/2025	17:13	PP073808.D	10.17	4.48
PB168852BL	PB168852BL	07/15/2025	17:30	PP073809.D	10.17	4.49
PB168852BS	PB168852BS	07/15/2025	17:46	PP073810.D	10.17	4.49
WC-SOIL-20250711	Q2592-01	07/15/2025	18:52	PP073814.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/15/2025	21:02	PP073819.D	10.17	4.48
IBLK	IBLK	07/15/2025	22:41	PP073823.D	10.17	4.49
OK-01-071425MS	Q2598-01MS	07/15/2025	23:13	PP073825.D	10.17	4.49
OK-01-071425MSD	Q2598-01MSD	07/15/2025	23:30	PP073826.D	10.17	4.48
AR1660CCC500	AR1660CCC500	07/16/2025	04:09	PP073834.D	10.17	4.49
IBLK	IBLK	07/16/2025	05:31	PP073838.D	10.17	4.48

Analytical Sequence

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Project: Con Edison - East River Site 2

Instrument ID: ECD_P

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/07/2025

07/07/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/07/2025	20:30	PP073553.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	8.78	3.78
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	8.78	3.78
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	8.78	3.78
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	8.78	3.78
AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	8.78	3.78
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	8.78	3.78
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	8.78	3.78
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	8.78	3.78
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	8.78	3.78
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	8.78	3.78
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	8.78	3.78
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	8.78	3.78
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	8.78	3.78
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	8.78	3.78
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	8.78	3.78
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	8.78	3.78
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	8.78	3.78
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	8.78	3.78
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	8.78	3.78
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	8.78	3.78
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	8.78	3.78
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	8.78	3.78
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	8.78	3.78
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	8.78	3.78
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/15/2025	16:08	PP073804.D	8.78	3.78
IBLK	IBLK	07/15/2025	17:13	PP073808.D	8.78	3.78
PB168852BL	PB168852BL	07/15/2025	17:30	PP073809.D	8.78	3.78
PB168852BS	PB168852BS	07/15/2025	17:46	PP073810.D	8.78	3.78
WC-SOIL-20250711	Q2592-01	07/15/2025	18:52	PP073814.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/15/2025	21:02	PP073819.D	8.77	3.78
IBLK	IBLK	07/15/2025	22:41	PP073823.D	8.78	3.78
OK-01-071425MS	Q2598-01MS	07/15/2025	23:13	PP073825.D	8.77	3.78
OK-01-071425MSD	Q2598-01MSD	07/15/2025	23:30	PP073826.D	8.77	3.78
AR1660CCC500	AR1660CCC500	07/16/2025	04:09	PP073834.D	8.77	3.78
IBLK	IBLK	07/16/2025	05:31	PP073838.D	8.77	3.78



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168852BS

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab Sample ID: PB168852BS

Date(s) Analyzed: 07/15/2025 07/15/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP073810.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.637	5.587	5.687	157	162	3.13
COLUMN 1	2	5.659	5.609	5.709	163		
	3	5.72	5.67	5.77	163		
	4	5.818	5.768	5.868	165		
	5	6.11	6.06	6.16	164		
	1	4.855	4.805	4.905	157		
COLUMN 2	2	4.872	4.822	4.922	155	157	
	3	5.049	4.999	5.099	160		
	4	5.09	5.04	5.14	156		
	5	5.304	5.254	5.354	157		
Aroclor-1260	1	7.227	7.177	7.277	168	151	4.53
COLUMN 1	2	7.48	7.43	7.53	148		
	3	7.838	7.788	7.888	138		
	4	8.062	8.012	8.112	153		
	5	8.379	8.329	8.429	149		
	1	6.333	6.283	6.383	164		
COLUMN 2	2	6.522	6.472	6.572	163	158	
	3	6.673	6.623	6.723	163		
	4	7.143	7.093	7.193	150		
	5	7.385	7.335	7.435	147		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OK-01-071425MS

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab Sample ID: Q2598-01MS

Date(s) Analyzed: 07/15/2025 07/15/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP073825.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.636	5.586	5.686	132	154	4.65
COLUMN 1	2	5.658	5.608	5.708	146		
	3	5.721	5.671	5.771	137		
	4	5.818	5.768	5.868	184		
	5	6.107	6.057	6.157	169		
	1	4.854	4.804	4.904	153		
COLUMN 2	2	4.871	4.821	4.921	144	147	
	3	5.048	4.998	5.098	149		
	4	5.09	5.04	5.14	156		
	5	5.303	5.253	5.353	134		
Aroclor-1260	1	7.226	7.176	7.276	164	143	5.02
COLUMN 1	2	7.48	7.43	7.53	162		
	3	7.838	7.788	7.888	124		
	4	8.06	8.01	8.11	131		
	5	8.379	8.329	8.429	134		
	1	6.333	6.283	6.383	142	136	
COLUMN 2	2	6.521	6.471	6.571	139		
	3	6.673	6.623	6.723	141		
	4	7.142	7.092	7.192	131		
	5	7.385	7.335	7.435	127		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OK-01-071425MSD

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab Sample ID: Q2598-01MSD

Date(s) Analyzed: 07/15/2025 07/15/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP073826.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.635	5.585	5.685	135	162	1.87
COLUMN 1	2	5.656	5.606	5.706	156		
	3	5.719	5.669	5.769	143		
	4	5.816	5.766	5.866	191		
	5	6.106	6.056	6.156	183		
	1	4.854	4.804	4.904	164		
COLUMN 2	2	4.87	4.82	4.92	158	159	
	3	5.047	4.997	5.097	160		
	4	5.09	5.04	5.14	166		
	5	5.302	5.252	5.352	145		
Aroclor-1260	1	7.224	7.174	7.274	169	150	2.7
COLUMN 1	2	7.478	7.428	7.528	170		
	3	7.836	7.786	7.886	127		
	4	8.058	8.008	8.108	143		
	5	8.376	8.326	8.426	141		
	1	6.332	6.282	6.382	151	146	
COLUMN 2	2	6.521	6.471	6.571	155		
	3	6.672	6.622	6.722	153		
	4	7.141	7.091	7.191	136		
	5	7.384	7.334	7.434	136		



QC SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168852BL	SDG No.:	Q2592
Lab Sample ID:	PB168852BL	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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073809.D	1	07/15/25 08:40	07/15/25 17:30	PB168852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17.0	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	17.0	U	3.20	17.0	ug/kg
Total PCBs	Total PCBs	17.0	U	5.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		32 - 175	106%	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\PP071525\
Data File : PP073809.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 17:30
Operator : YP\AJ
Sample : PB168852BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168852BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:48:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.486	3.778	26830517	34042030	19.591	18.478
2) SA Decachlor...	10.172	8.775	21710629	28130725	19.899	21.260

Target Compounds

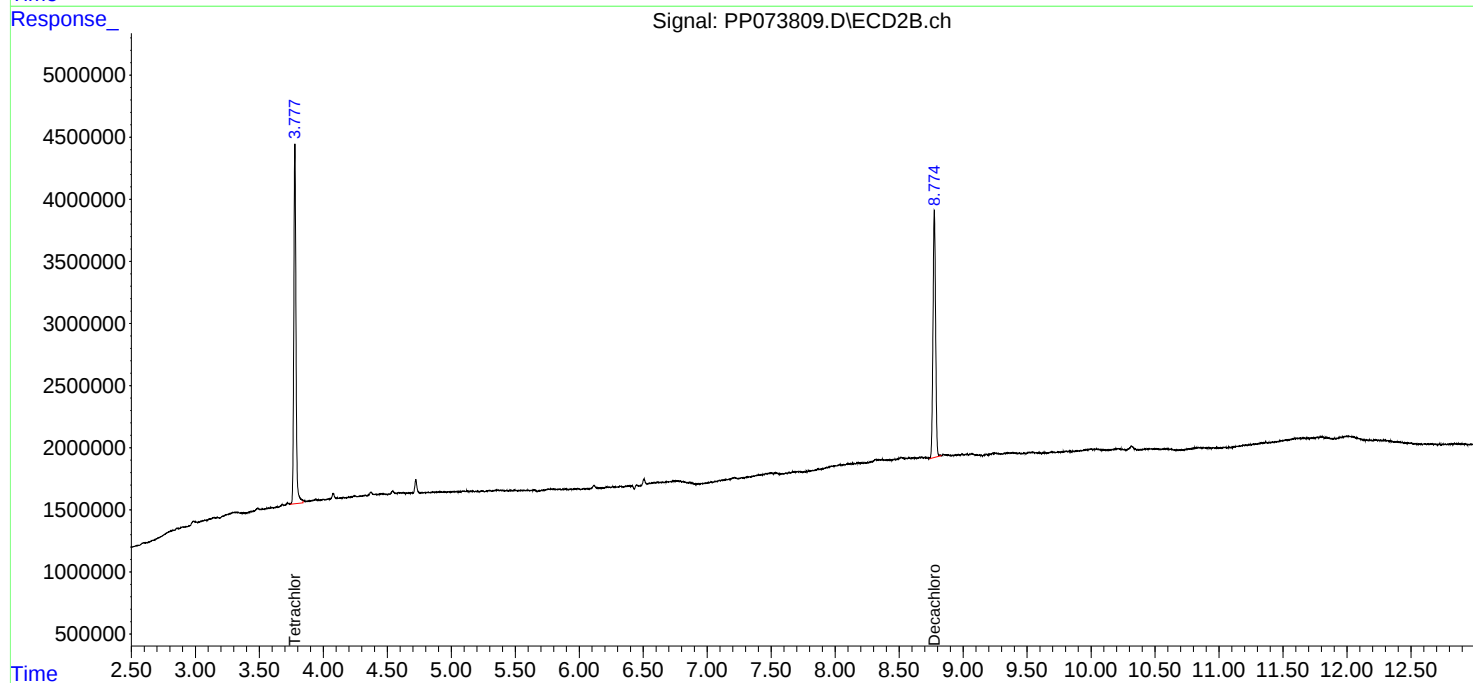
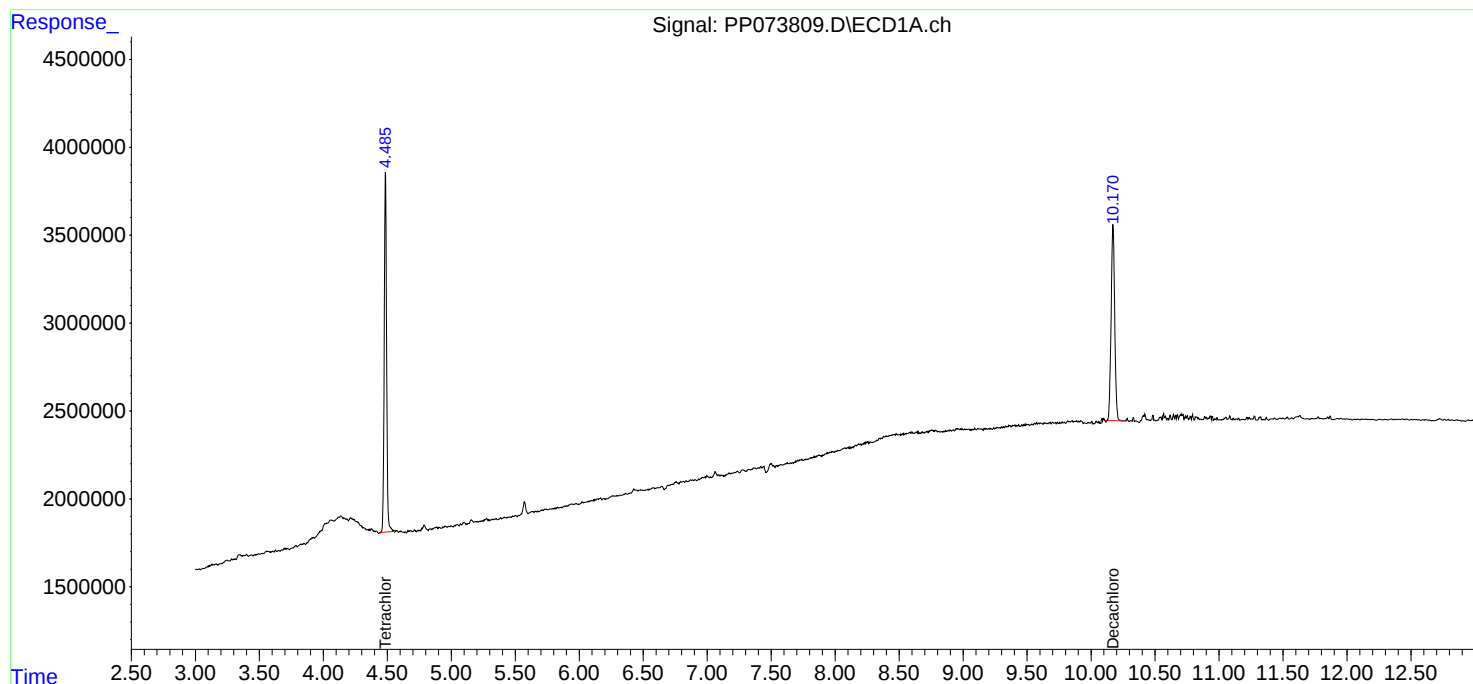
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

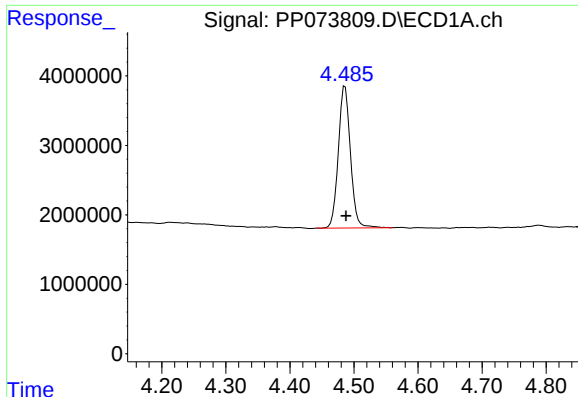
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073809.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 17:30
Operator : YP\AJ
Sample : PB168852BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168852BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:48:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

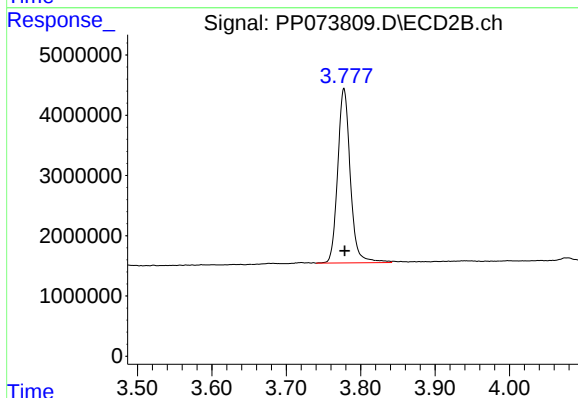




#1 Tetrachloro-m-xylene

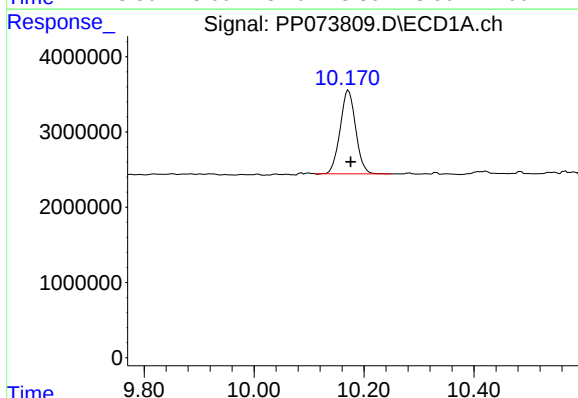
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 26830517
Conc: 19.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168852BL



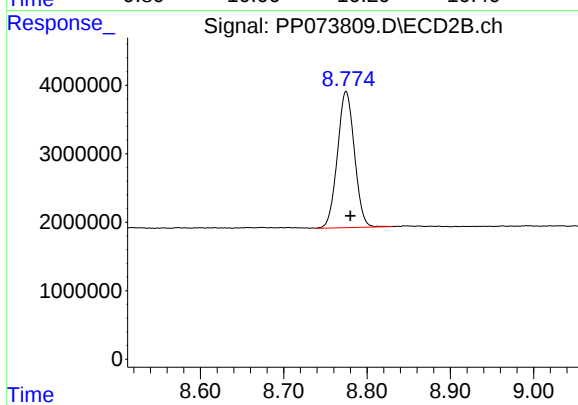
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 34042030
Conc: 18.48 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.172 min
Delta R.T.: -0.004 min
Response: 21710629
Conc: 19.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.005 min
Response: 28130725
Conc: 21.26 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/07/25
Project:	Con Edison - East River Site 2	Date Received:	07/07/25
Client Sample ID:	PIBLK-PP073553.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-PP073553.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073553.D	1		07/07/25	pp070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.2		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140	85%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:30
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 08:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:22:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.489	3.780	22153163	29828480	16.176	16.191
2) SA Decachlor...	10.178	8.781	18922819	22582394	17.344	17.067

Target Compounds

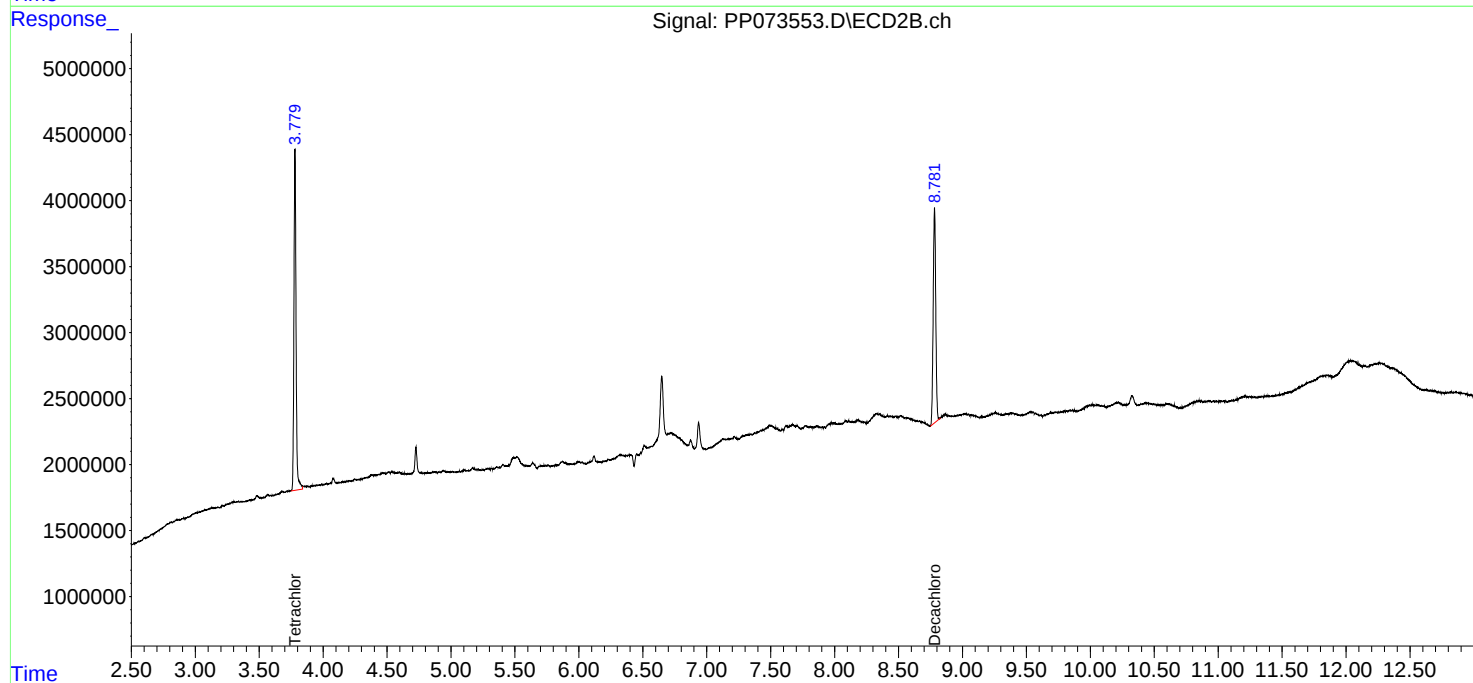
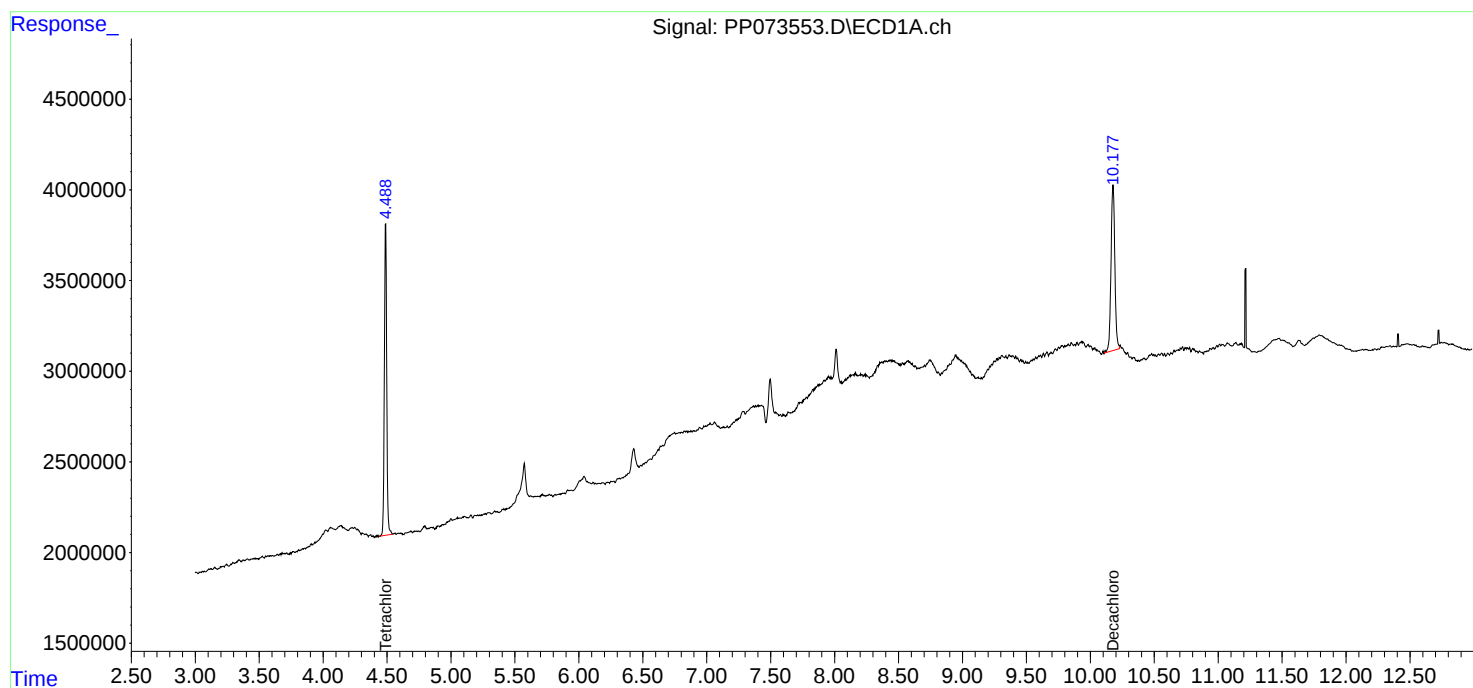
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP070825\
Data File : PP073553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:30
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

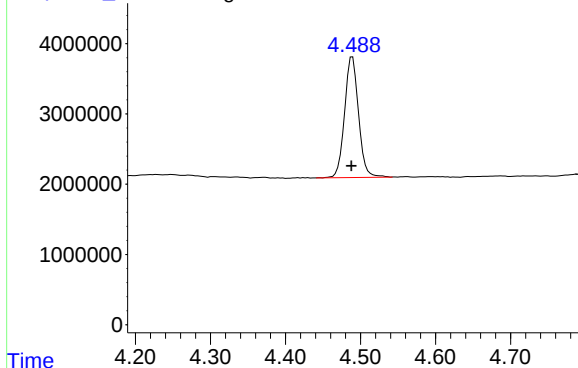
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 08:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:22:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PP073553.D\ECD1A.ch

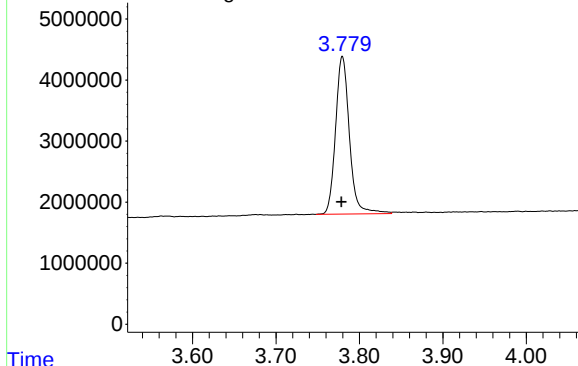


#1 Tetrachloro-m-xylene

R.T.: 4.489 min
Delta R.T.: 0.001 min
Response: 22153163
Conc: 16.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

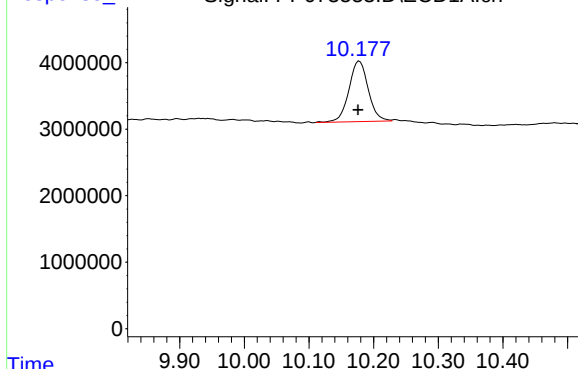
Response_ Signal: PP073553.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.001 min
Response: 29828480
Conc: 16.19 ng/ml

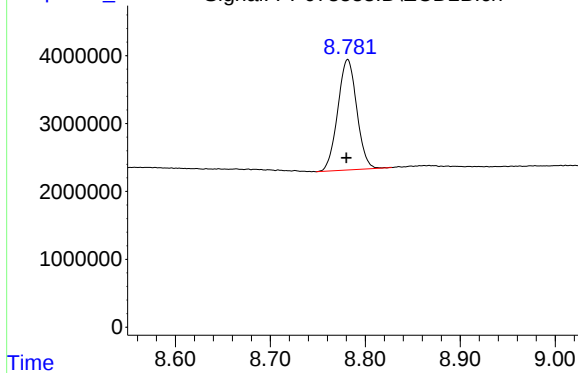
Response_ Signal: PP073553.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.178 min
Delta R.T.: 0.002 min
Response: 18922819
Conc: 17.34 ng/ml

Response_ Signal: PP073553.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.781 min
Delta R.T.: 0.001 min
Response: 22582394
Conc: 17.07 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/15/25
Project:	Con Edison - East River Site 2	Date Received:	07/15/25
Client Sample ID:	PIBLK-PP073808.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-PP073808.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073808.D	1		07/15/25	pp071525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		60 - 140	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		60 - 140	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 17:13
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: Jul 16 01:48:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.483	3.778	26868395	33669146	19.619	18.276
2) SA Decachlor...	10.167	8.776	21502859	27401978	19.708	20.710

Target Compounds

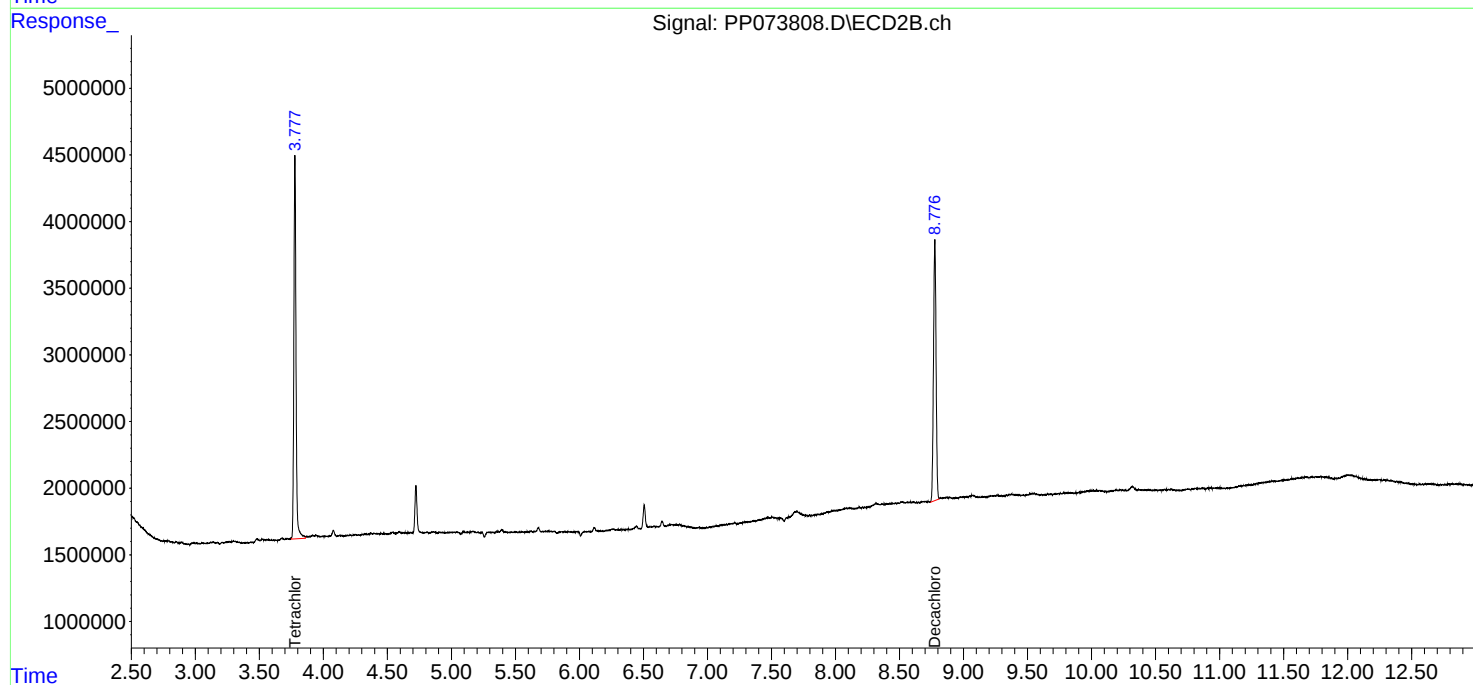
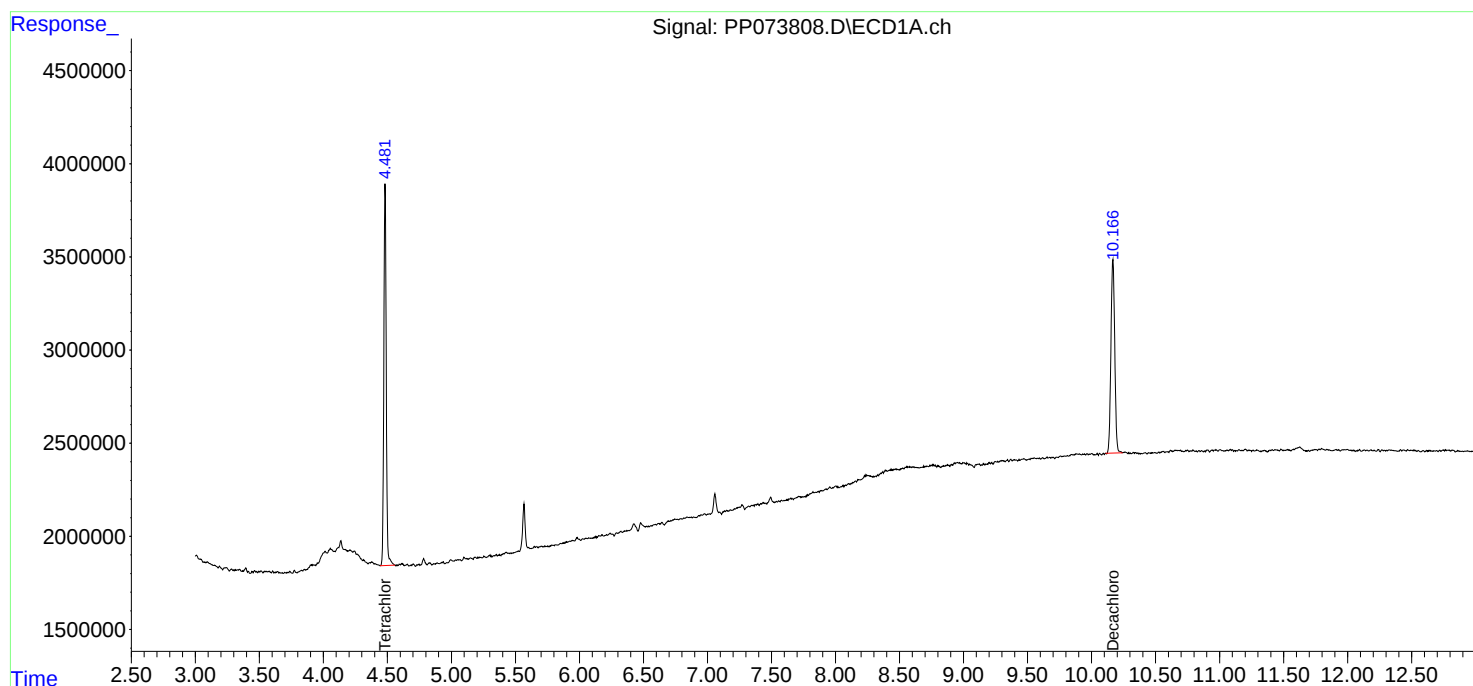
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

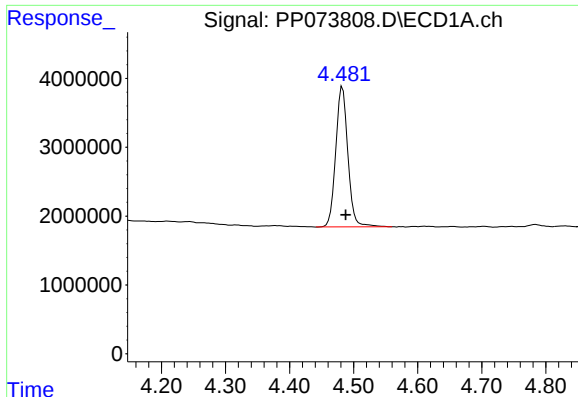
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 17:13
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:48:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

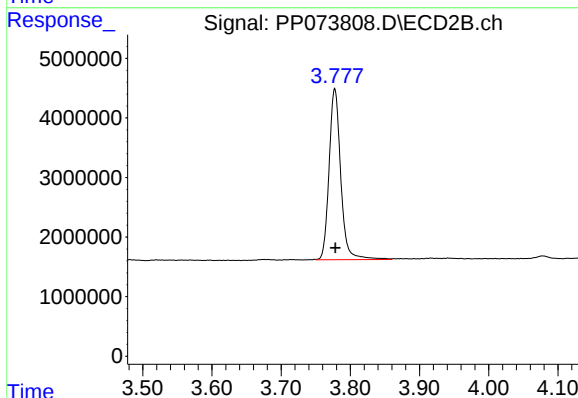




#1 Tetrachloro-m-xylene

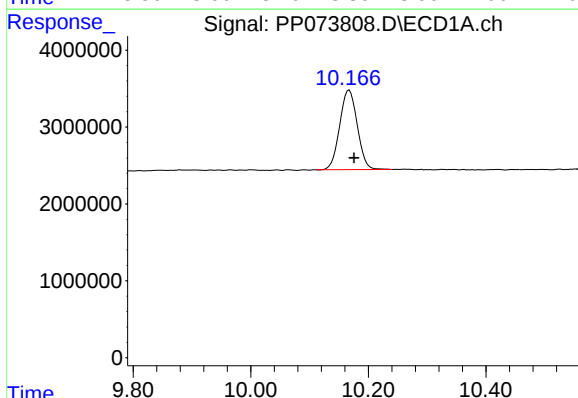
R.T.: 4.483 min
Delta R.T.: -0.005 min
Response: 26868395
Conc: 19.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



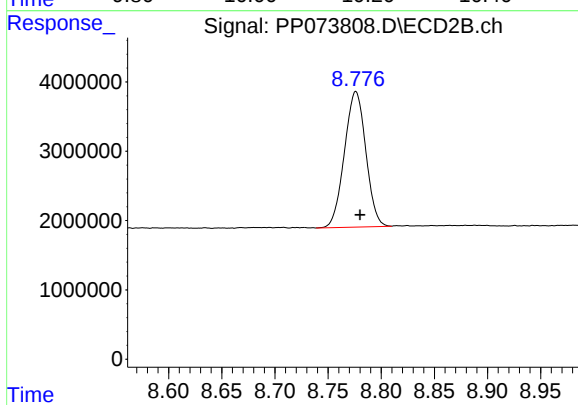
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 33669146
Conc: 18.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.167 min
Delta R.T.: -0.009 min
Response: 21502859
Conc: 19.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.004 min
Response: 27401978
Conc: 20.71 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/15/25
Project:	Con Edison - East River Site 2	Date Received:	07/15/25
Client Sample ID:	PIBLK-PP073823.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-PP073823.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073823.D	1		07/15/25	pp071525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		60 - 140	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		60 - 140	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073823.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 22:41
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:54:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	4.486	3.778	24788259	33308626	18.100	18.080
2)	SA Decachlor...	10.172	8.775	19317791	26989118	17.706	20.398

Target Compounds

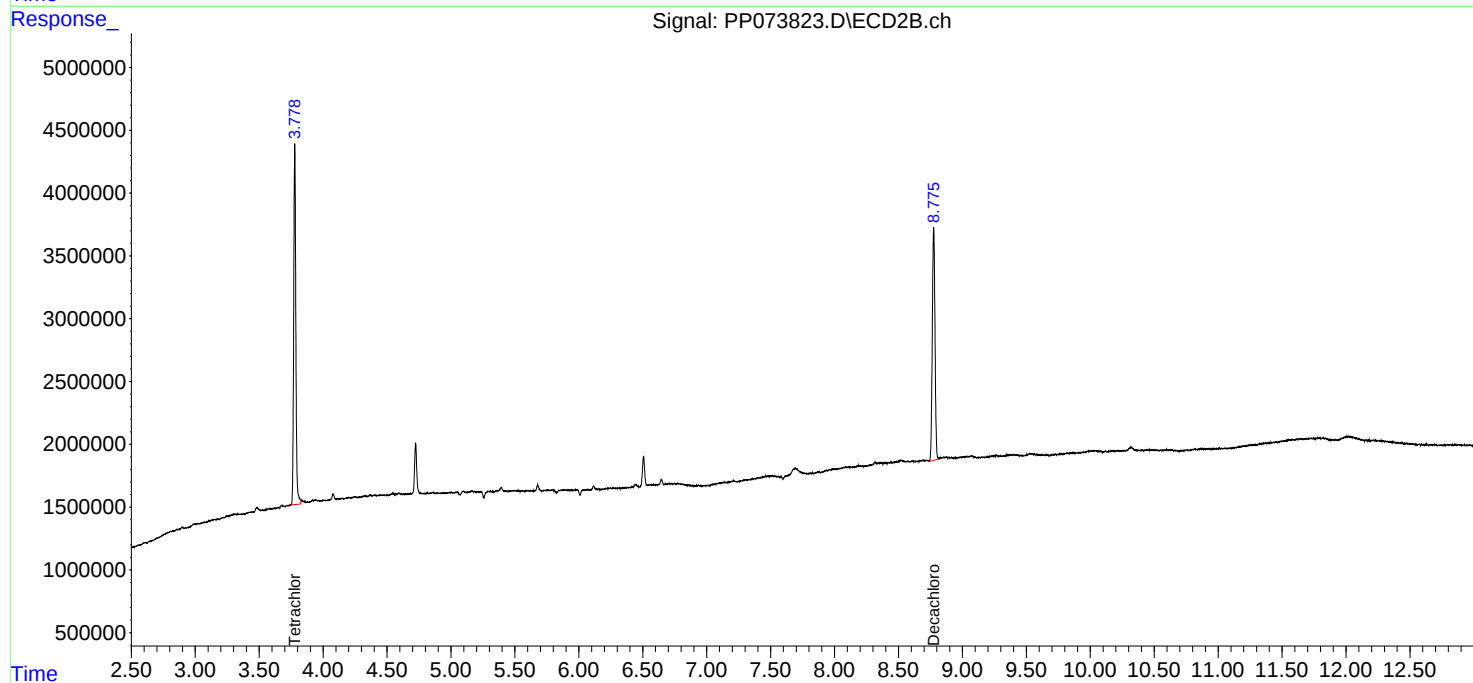
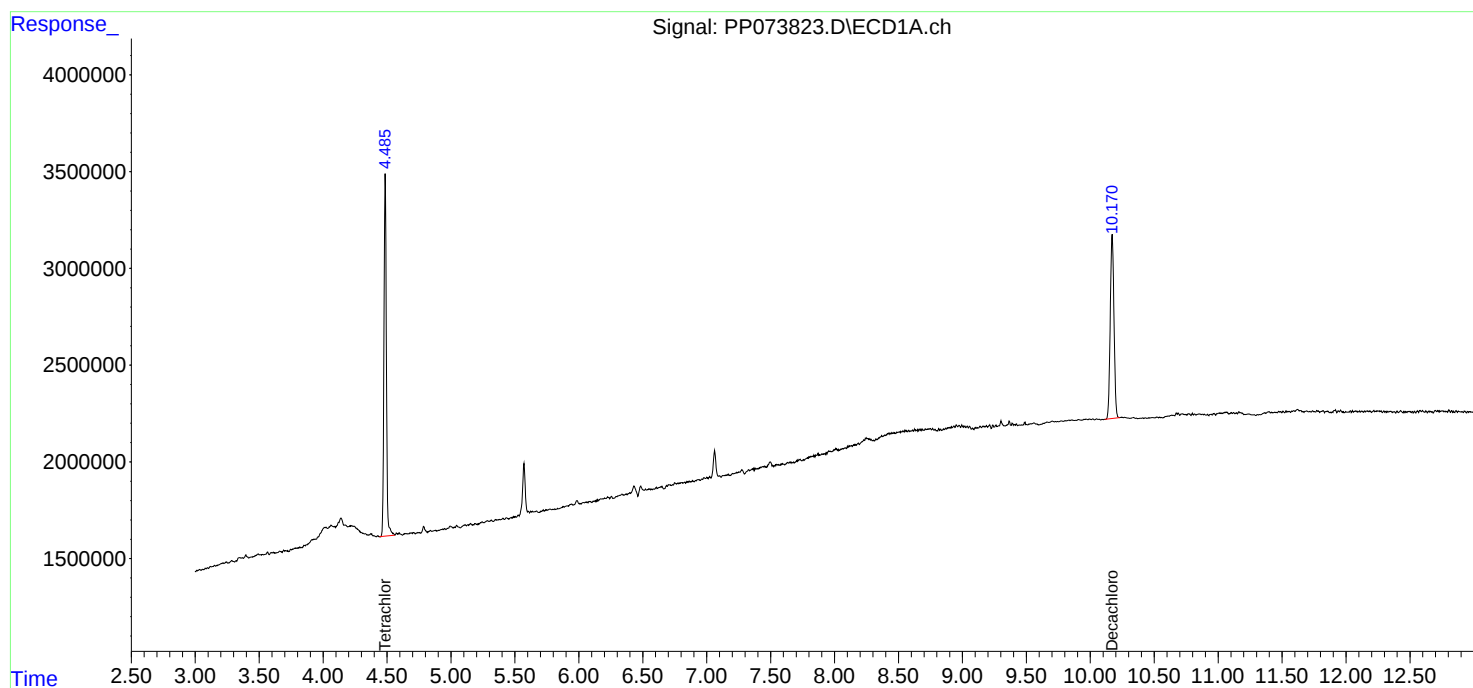
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

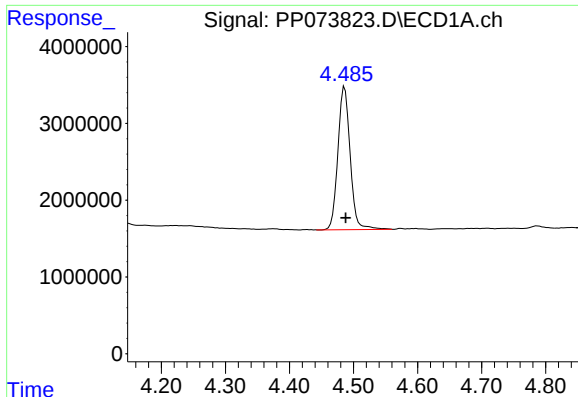
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073823.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 22:41
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:54:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

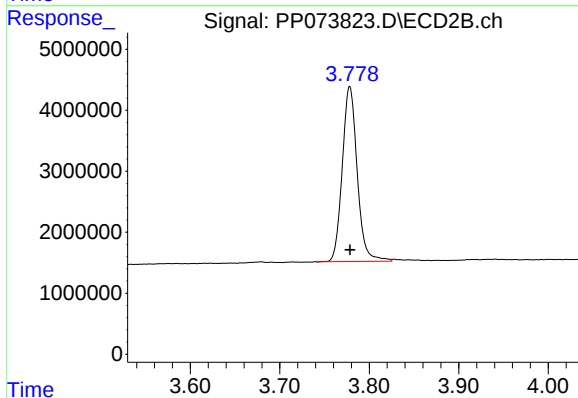




#1 Tetrachloro-m-xylene

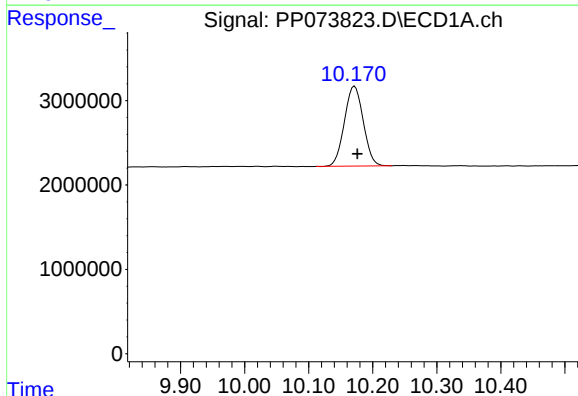
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 24788259
Conc: 18.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



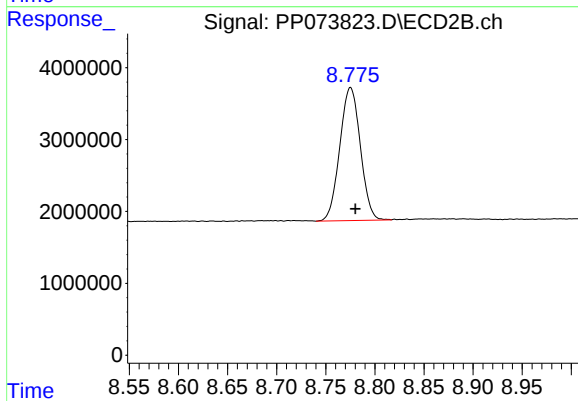
#1 Tetrachloro-m-xylene

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 33308626
Conc: 18.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.172 min
Delta R.T.: -0.004 min
Response: 19317791
Conc: 17.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.005 min
Response: 26989118
Conc: 20.40 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/16/25
Project:	Con Edison - East River Site 2	Date Received:	07/16/25
Client Sample ID:	PIBLK-PP073838.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-PP073838.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073838.D	1		07/16/25	pp071525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8		60 - 140	89%	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_P\Data\PP071525\
 Data File : PP073838.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jul 2025 05:31
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 06:35:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:35:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.483	3.776	24378825	33621193	17.801	18.250
2) SA Decachlor...	10.167	8.774	19722691	28585978	18.077	21.605

Target Compounds

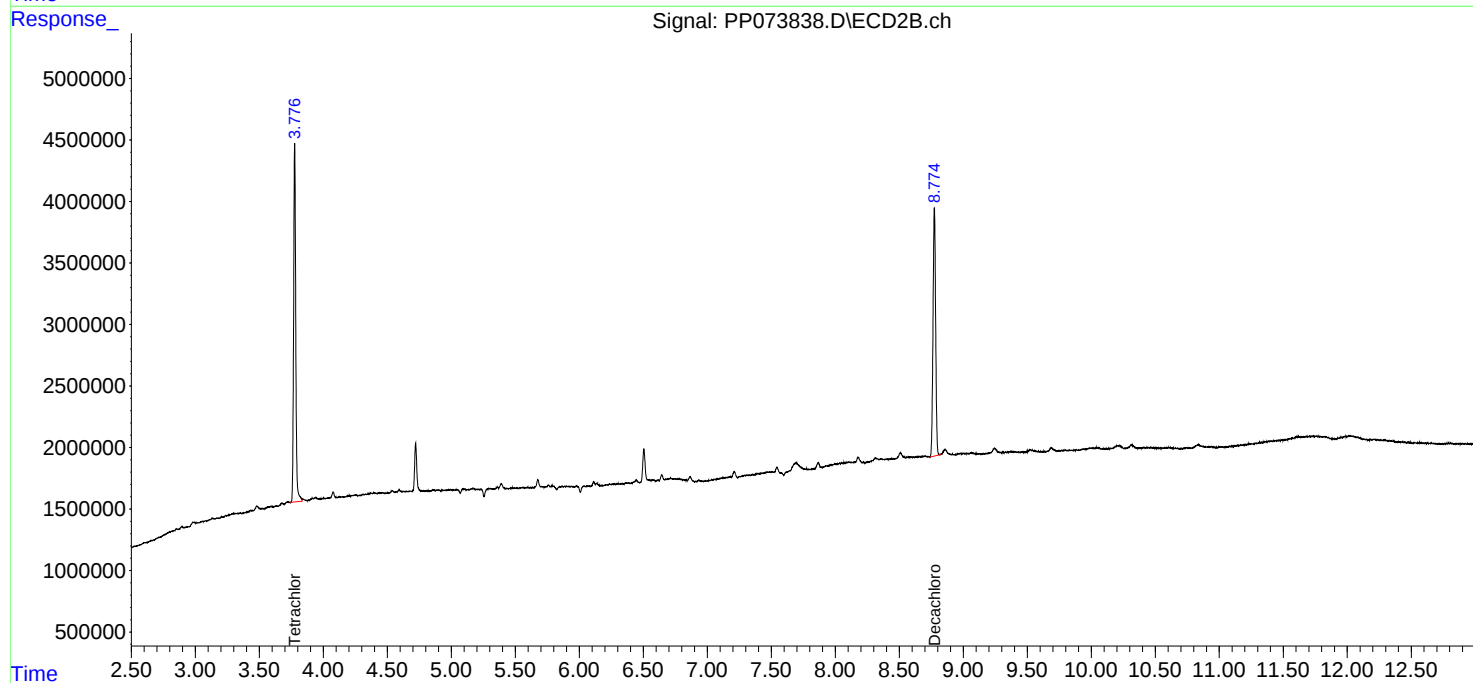
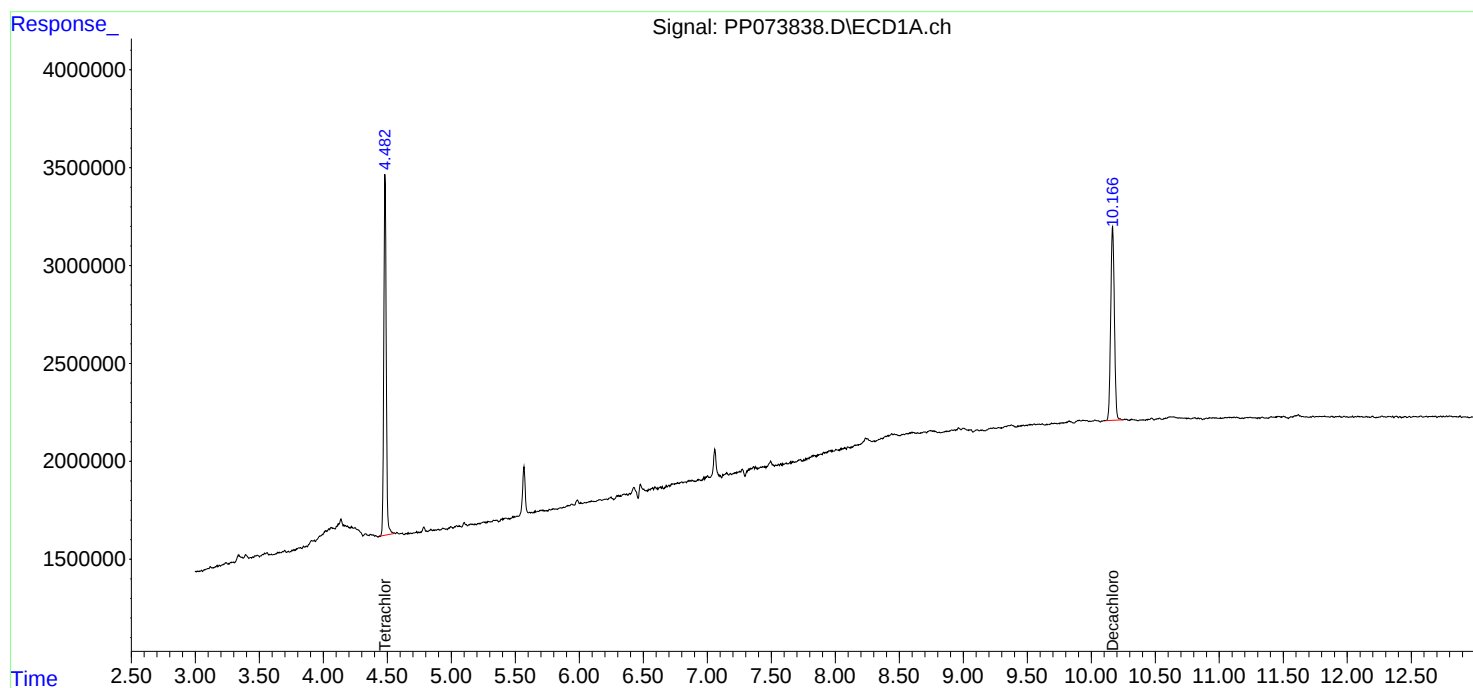
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

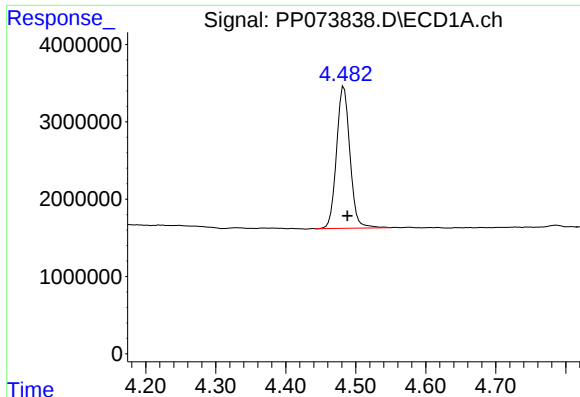
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2025 05:31
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 06:35:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

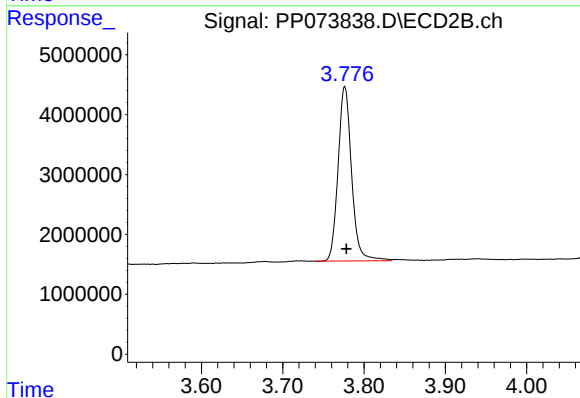




#1 Tetrachloro-m-xylene

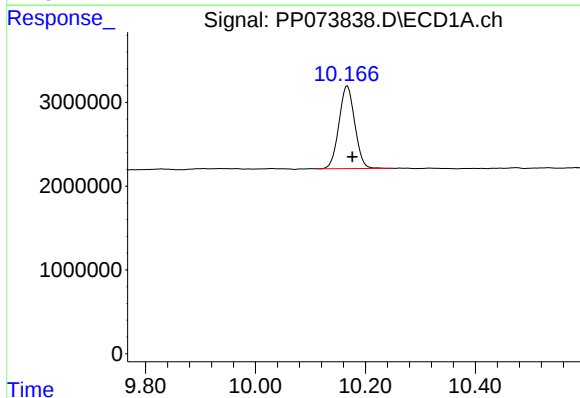
R.T.: 4.483 min
Delta R.T.: -0.005 min
Response: 24378825
Conc: 17.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



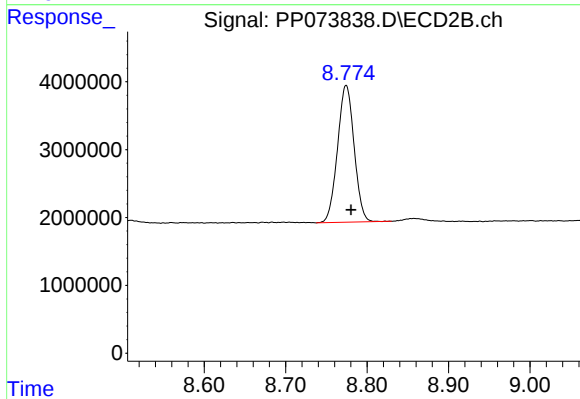
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: -0.002 min
Response: 33621193
Conc: 18.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.167 min
Delta R.T.: -0.009 min
Response: 19722691
Conc: 18.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.774 min
Delta R.T.: -0.006 min
Response: 28585978
Conc: 21.60 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168852BS	SDG No.:	Q2592
Lab Sample ID:	PB168852BS	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 Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073810.D	1	07/15/25 08:40	07/15/25 17:46	PB168852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	162		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	158		3.20	17.0	ug/kg
Total PCBs	Total PCBs	320		7.10	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		32 - 175	110%	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\PP071525\
 Data File : PP073810.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Jul 2025 17:46
 Operator : YP\AJ
 Sample : PB168852BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB168852BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 01:49:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:35:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	4.486	3.777	28011983	33365848	20.454	18.111
2)	SA Decachlor...	10.172	8.775	22398224	29045542	20.529	21.952
Target Compounds							
3)	L1 AR-1016-1	5.637	4.855	22348456	32145876	470.359	471.522
4)	L1 AR-1016-2	5.659	4.872	34874600	47367982	489.709	464.919
5)	L1 AR-1016-3	5.720	5.049	21304763	26017086	487.935	480.851
6)	L1 AR-1016-4	5.818	5.090	17846566	20600241	496.489	469.459
7)	L1 AR-1016-5	6.110	5.304	15420546	25702109	492.191	470.885
31)	L7 AR-1260-1	7.227	6.333	29750910	48136346	504.584	493.401
32)	L7 AR-1260-2	7.480	6.522	42715419	60249248	445.696	490.479
33)	L7 AR-1260-3	7.838	6.673	30347334	53544895	415.315	489.156
34)	L7 AR-1260-4	8.062	7.143	29993141	40286037	459.314	450.584
35)	L7 AR-1260-5	8.379	7.385	67416615	99246861	446.903	441.614

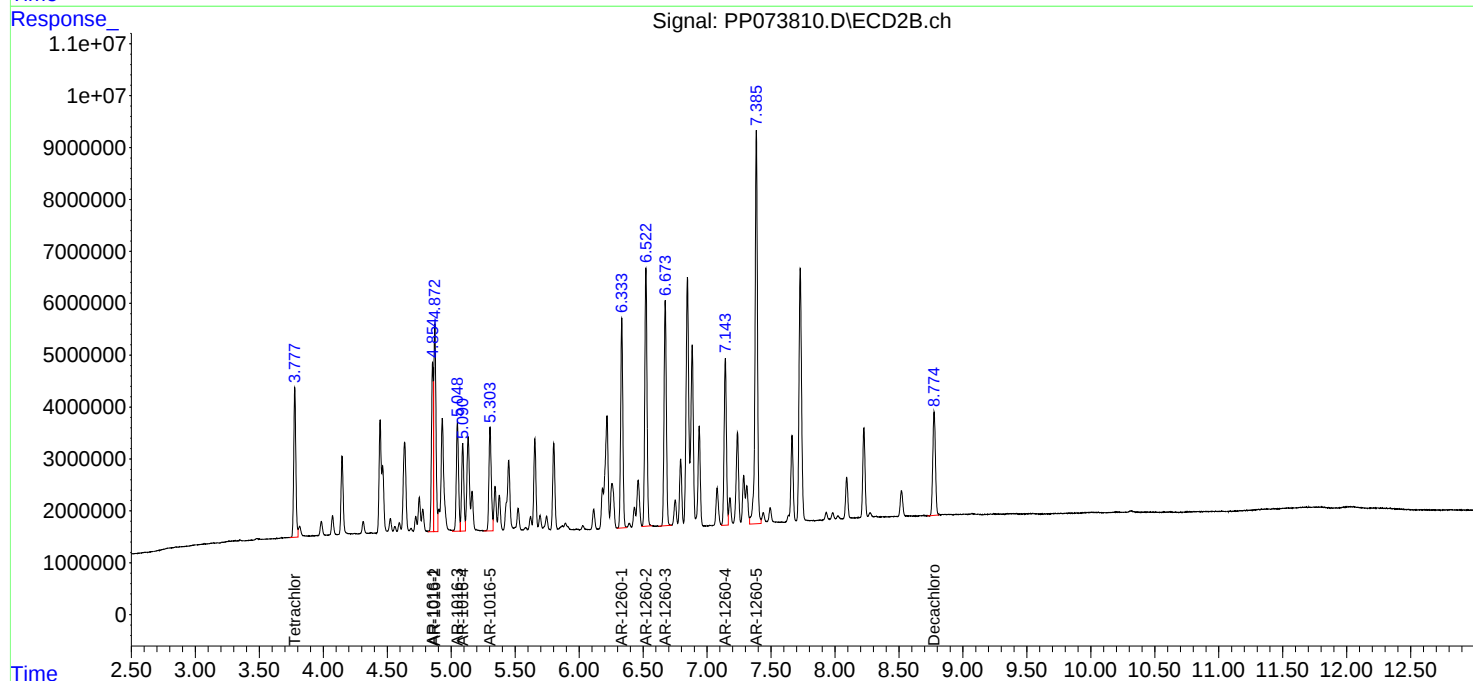
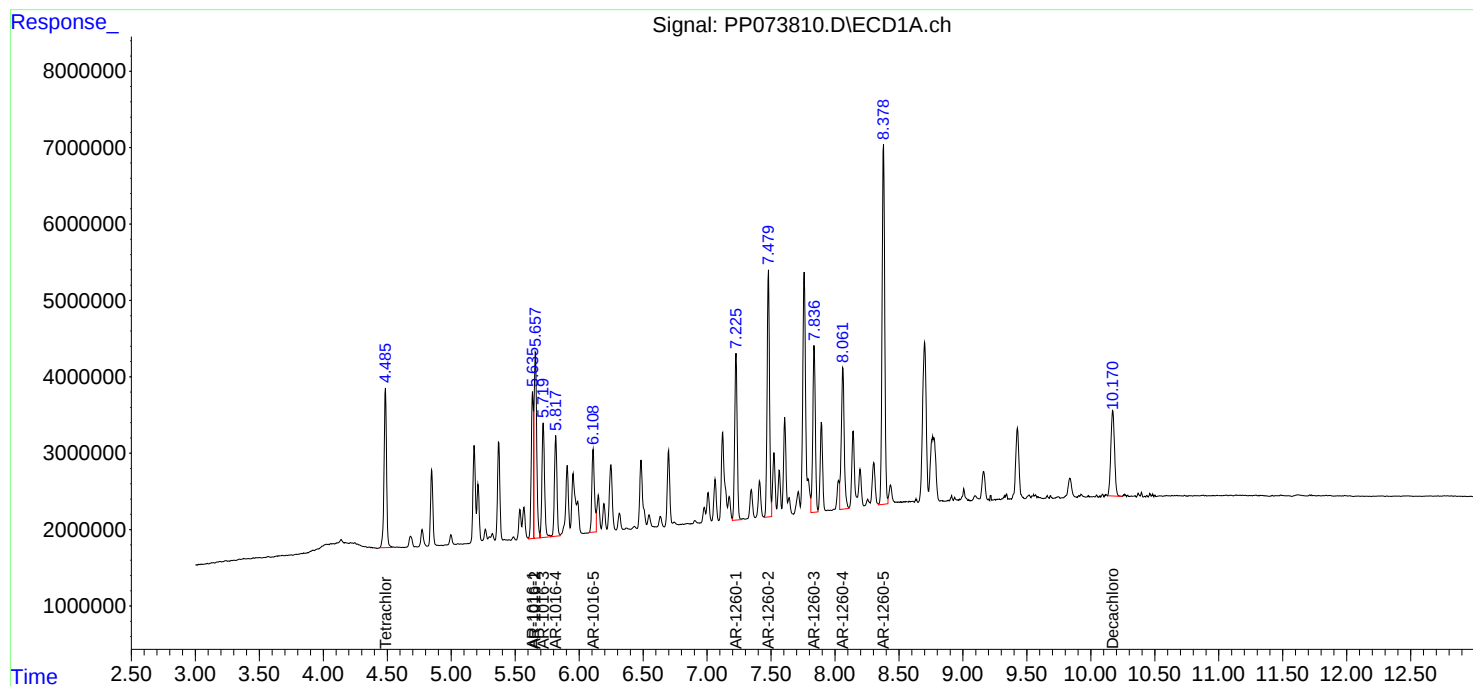
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

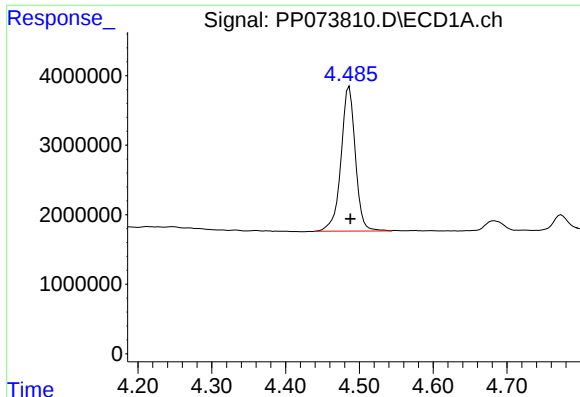
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073810.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 17:46
Operator : YP\AJ
Sample : PB168852BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168852BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:49:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

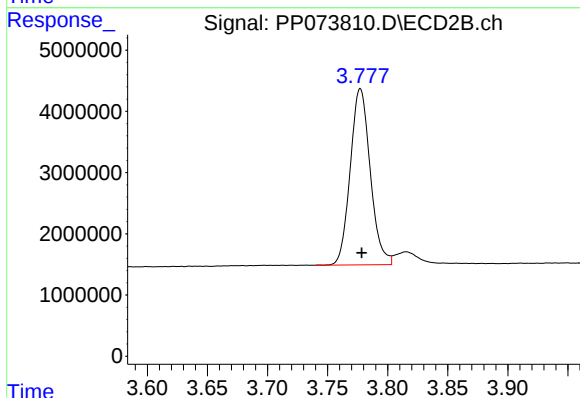




#1 Tetrachloro-m-xylene

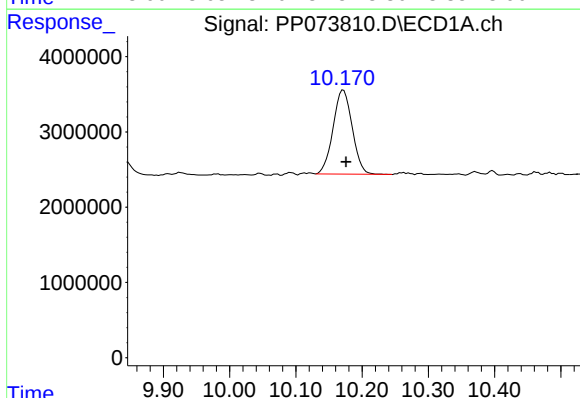
R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 28011983
Conc: 20.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168852BS



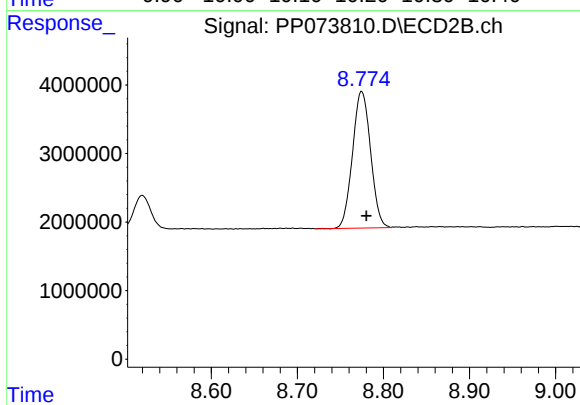
#1 Tetrachloro-m-xylene

R.T.: 3.777 min
Delta R.T.: -0.001 min
Response: 33365848
Conc: 18.11 ng/ml



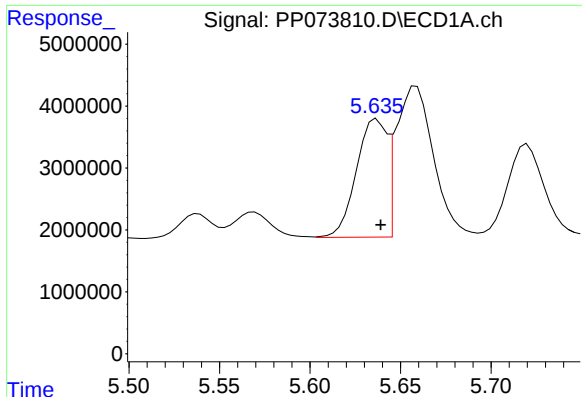
#2 Decachlorobiphenyl

R.T.: 10.172 min
Delta R.T.: -0.004 min
Response: 22398224
Conc: 20.53 ng/ml



#2 Decachlorobiphenyl

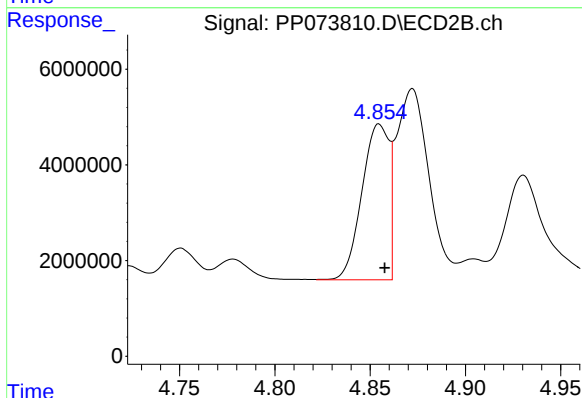
R.T.: 8.775 min
Delta R.T.: -0.006 min
Response: 29045542
Conc: 21.95 ng/ml



#3 AR-1016-1

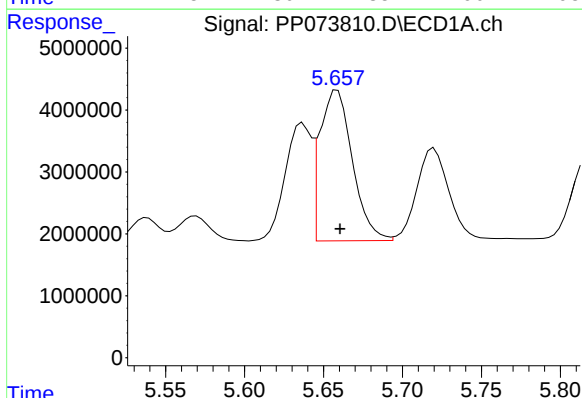
R.T.: 5.637 min
Delta R.T.: -0.002 min
Response: 22348456
Conc: 470.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168852BS



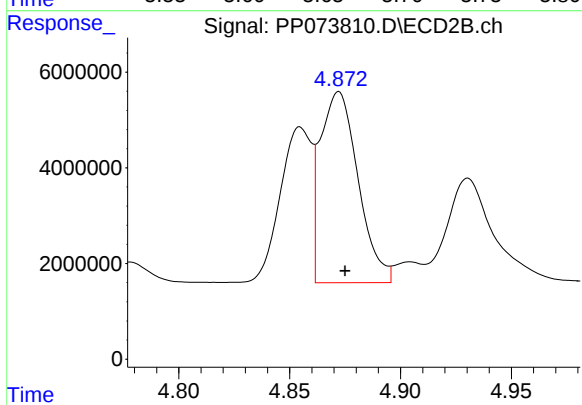
#3 AR-1016-1

R.T.: 4.855 min
Delta R.T.: -0.003 min
Response: 32145876
Conc: 471.52 ng/ml



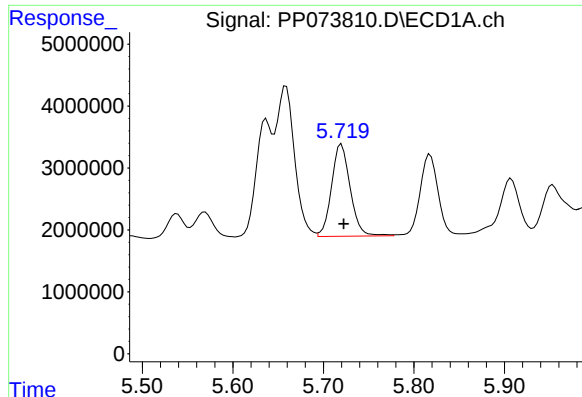
#4 AR-1016-2

R.T.: 5.659 min
Delta R.T.: -0.002 min
Response: 34874600
Conc: 489.71 ng/ml



#4 AR-1016-2

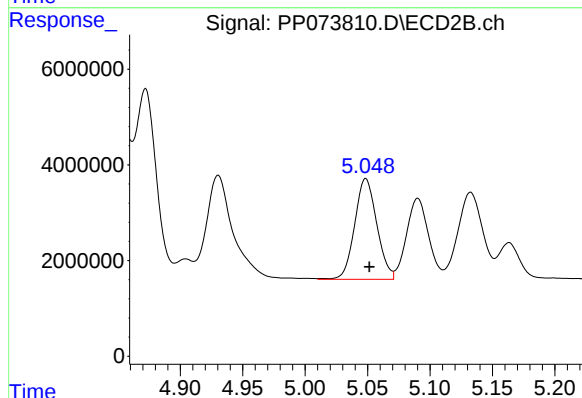
R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 47367982
Conc: 464.92 ng/ml



#5 AR-1016-3

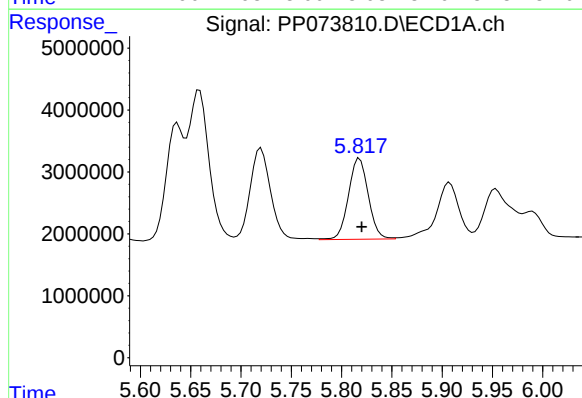
R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 21304763
Conc: 487.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168852BS



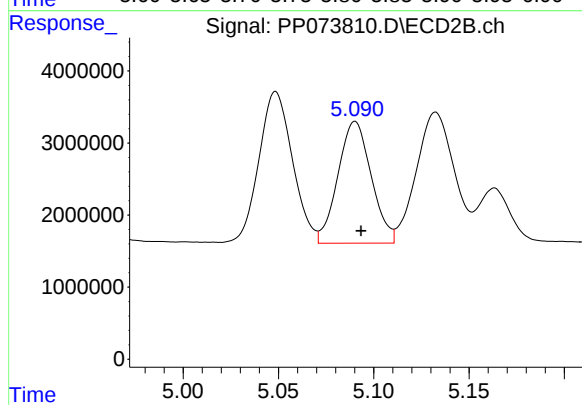
#5 AR-1016-3

R.T.: 5.049 min
Delta R.T.: -0.003 min
Response: 26017086
Conc: 480.85 ng/ml



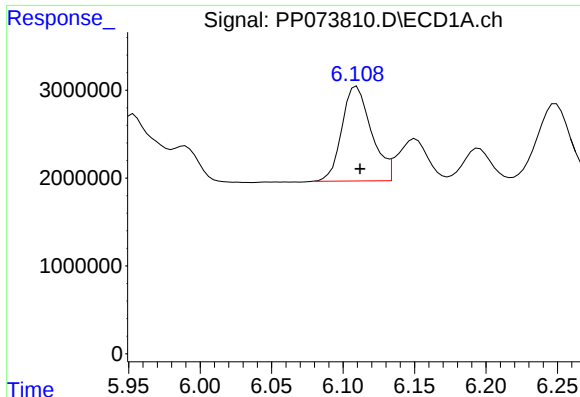
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 17846566
Conc: 496.49 ng/ml



#6 AR-1016-4

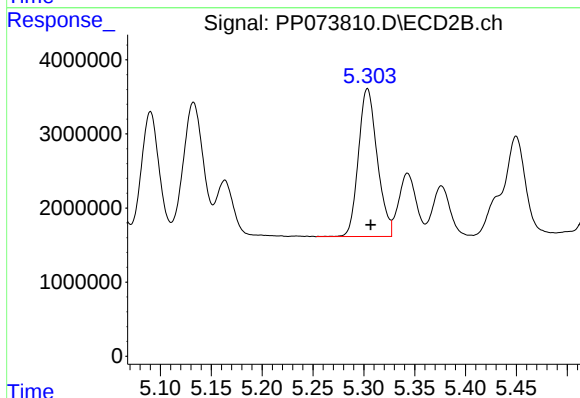
R.T.: 5.090 min
Delta R.T.: -0.003 min
Response: 20600241
Conc: 469.46 ng/ml



#7 AR-1016-5

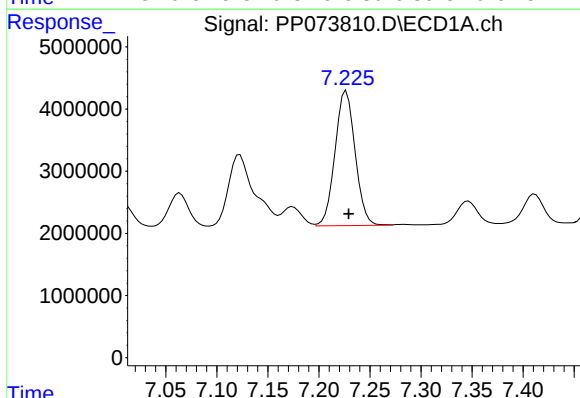
R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 15420546
Conc: 492.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168852BS



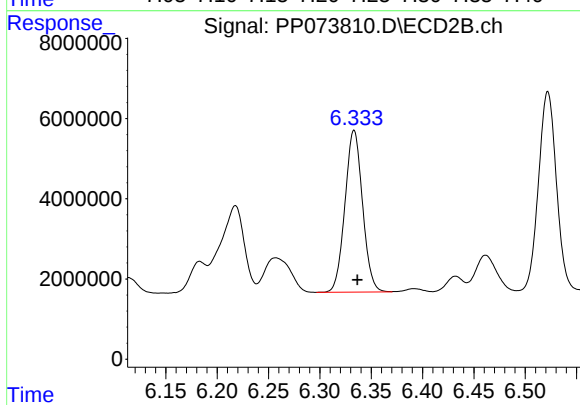
#7 AR-1016-5

R.T.: 5.304 min
Delta R.T.: -0.003 min
Response: 25702109
Conc: 470.89 ng/ml



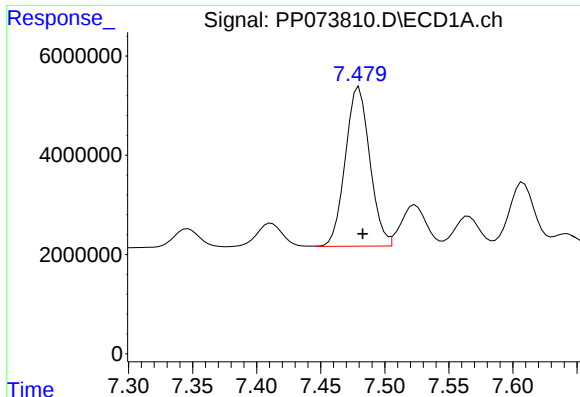
#31 AR-1260-1

R.T.: 7.227 min
Delta R.T.: -0.002 min
Response: 29750910
Conc: 504.58 ng/ml



#31 AR-1260-1

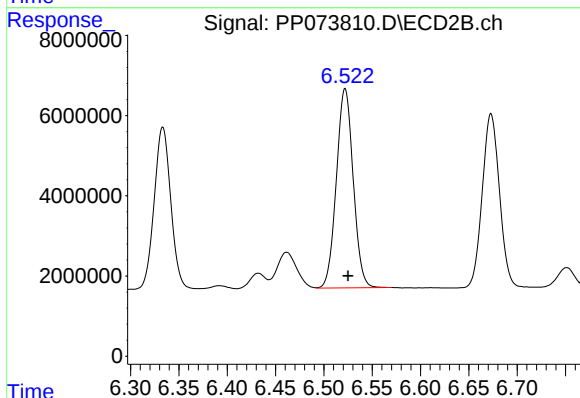
R.T.: 6.333 min
Delta R.T.: -0.003 min
Response: 48136346
Conc: 493.40 ng/ml



#32 AR-1260-2

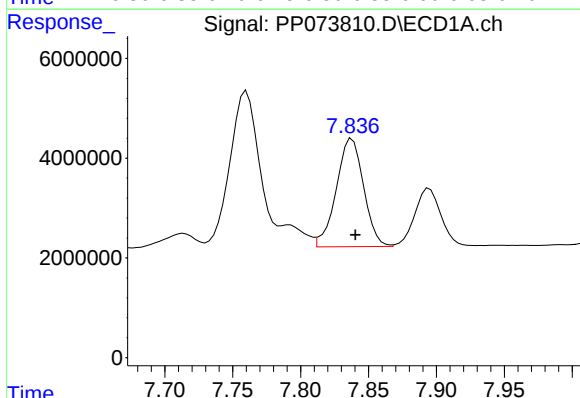
R.T.: 7.480 min
Delta R.T.: -0.003 min
Response: 42715419
Conc: 445.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168852BS



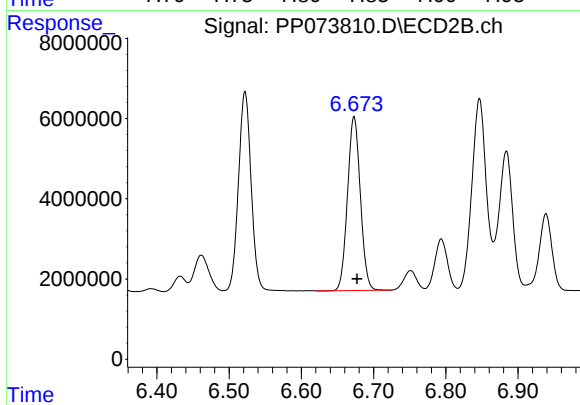
#32 AR-1260-2

R.T.: 6.522 min
Delta R.T.: -0.003 min
Response: 60249248
Conc: 490.48 ng/ml



#33 AR-1260-3

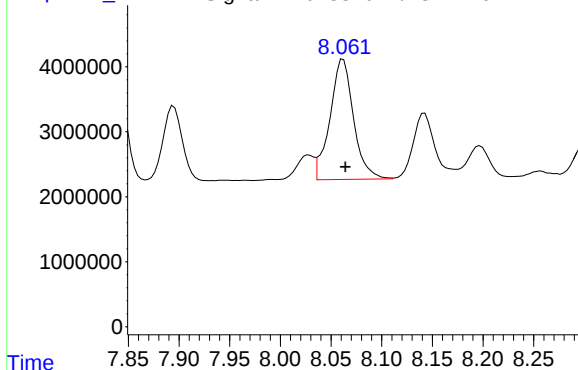
R.T.: 7.838 min
Delta R.T.: -0.002 min
Response: 30347334
Conc: 415.32 ng/ml



#33 AR-1260-3

R.T.: 6.673 min
Delta R.T.: -0.004 min
Response: 53544895
Conc: 489.16 ng/ml

Response_ Signal: PP073810.D\ECD1A.ch

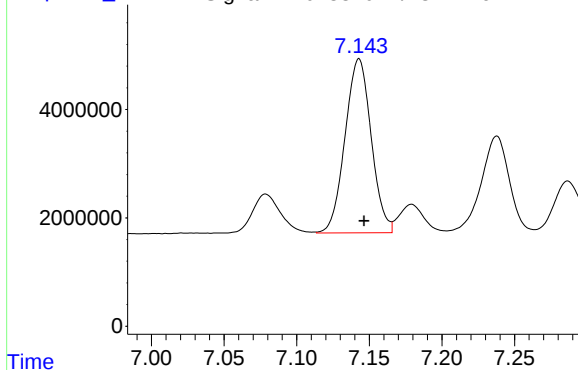


#34 AR-1260-4

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 29993141
Conc: 459.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168852BS

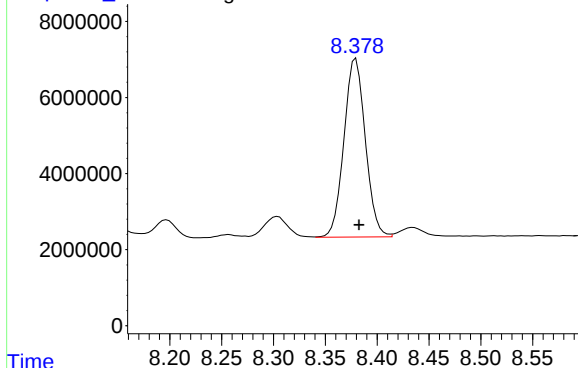
Response_ Signal: PP073810.D\ECD2B.ch



#34 AR-1260-4

R.T.: 7.143 min
Delta R.T.: -0.003 min
Response: 40286037
Conc: 450.58 ng/ml

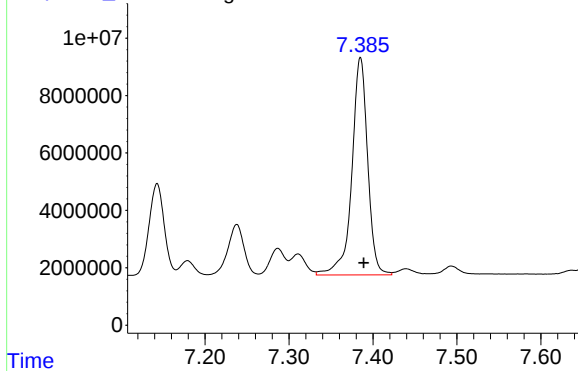
Response_ Signal: PP073810.D\ECD1A.ch



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.003 min
Response: 67416615
Conc: 446.90 ng/ml

Response_ Signal: PP073810.D\ECD2B.ch



#35 AR-1260-5

R.T.: 7.385 min
Delta R.T.: -0.004 min
Response: 99246861
Conc: 441.61 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/14/25
Project:	Con Edison - East River Site 2	Date Received:	07/14/25
Client Sample ID:	OK-01-071425MS	SDG No.:	Q2592
Lab Sample ID:	Q2598-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	96.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073825.D	1	07/15/25 08:40	07/15/25 23:13	PB168852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	154		4.10	17.5	ug/kg
11104-28-2	Aroclor-1221	17.5	U	4.20	17.5	ug/kg
11141-16-5	Aroclor-1232	17.5	U	3.80	17.5	ug/kg
53469-21-9	Aroclor-1242	17.5	U	4.10	17.5	ug/kg
12672-29-6	Aroclor-1248	17.5	U	6.10	17.5	ug/kg
11097-69-1	Aroclor-1254	17.5	U	3.30	17.5	ug/kg
37324-23-5	Aroclor-1262	17.5	U	5.20	17.5	ug/kg
11100-14-4	Aroclor-1268	17.5	U	3.70	17.5	ug/kg
11096-82-5	Aroclor-1260	143		3.30	17.5	ug/kg
Total PCBs	Total PCBs	297		7.40	17.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		32 - 175	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_P\Data\PP071525\
 Data File : PP073825.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Jul 2025 23:13
 Operator : YP\AJ
 Sample : Q2598-01MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 OK-01-071425MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2025
 Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 01:55:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:35:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.485	3.777	22641678	34785989	16.532m	18.882
2) SA Decachlor...	10.170	8.774	20716616	26536568	18.988	20.056
Target Compounds						
3) L1 AR-1016-1	5.636	4.854	18291746	30347228	384.979	445.139
4) L1 AR-1016-2	5.658	4.871	30281427	42782315	425.212	419.910
5) L1 AR-1016-3	5.721	5.048	17369079	23493080	397.798	434.202
6) L1 AR-1016-4	5.818	5.090	19300513	19958621	536.937	454.837
7) L1 AR-1016-5	6.107	5.303	15372302	21261779	490.651m	389.535
31) L7 AR-1260-1	7.226	6.333	28166096	40435789	477.705	414.470
32) L7 AR-1260-2	7.480	6.521	45222319	49641421	471.853	404.122
33) L7 AR-1260-3	7.838	6.673	26302256	44915346	359.957	410.321
34) L7 AR-1260-4	8.060	7.142	24959823	34011813	382.234m	380.409
35) L7 AR-1260-5	8.379	7.385	59020736	83062657	391.247	369.600

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073825.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 23:13
Operator : YP\AJ
Sample : Q2598-01MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

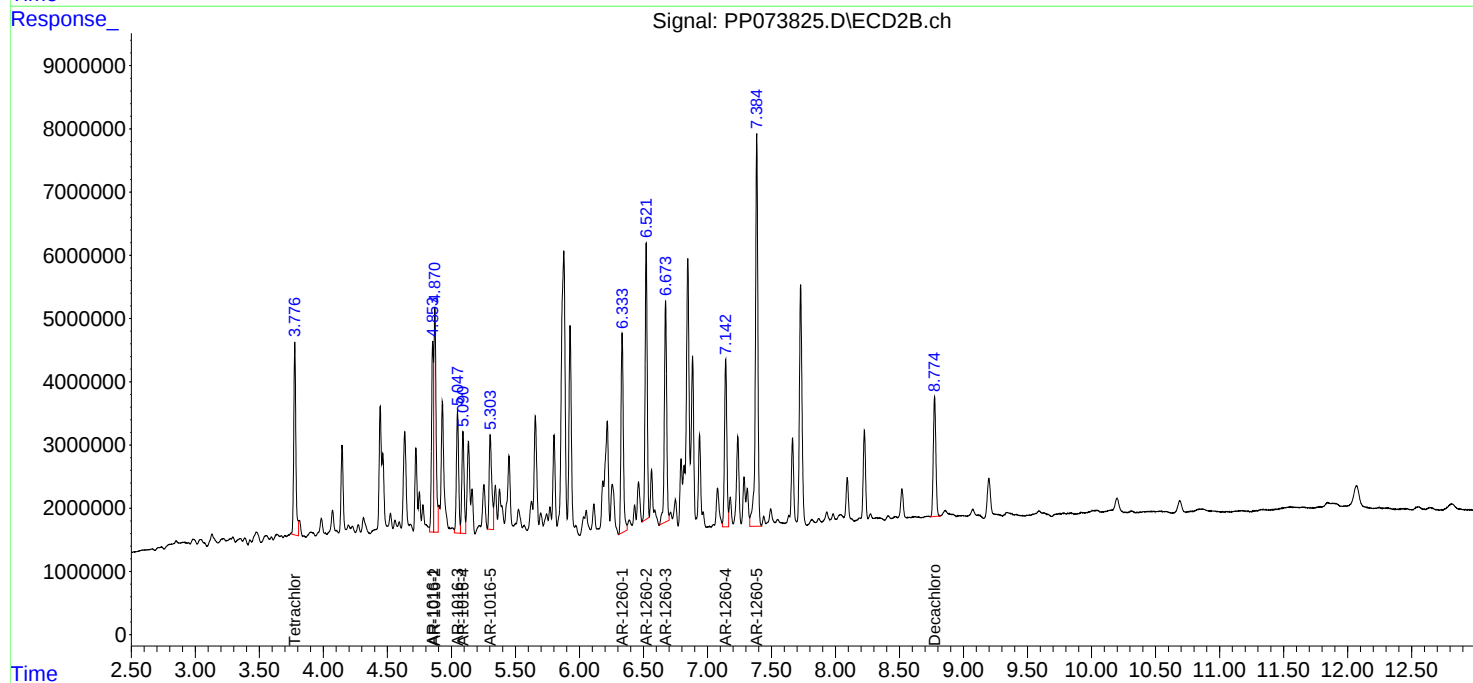
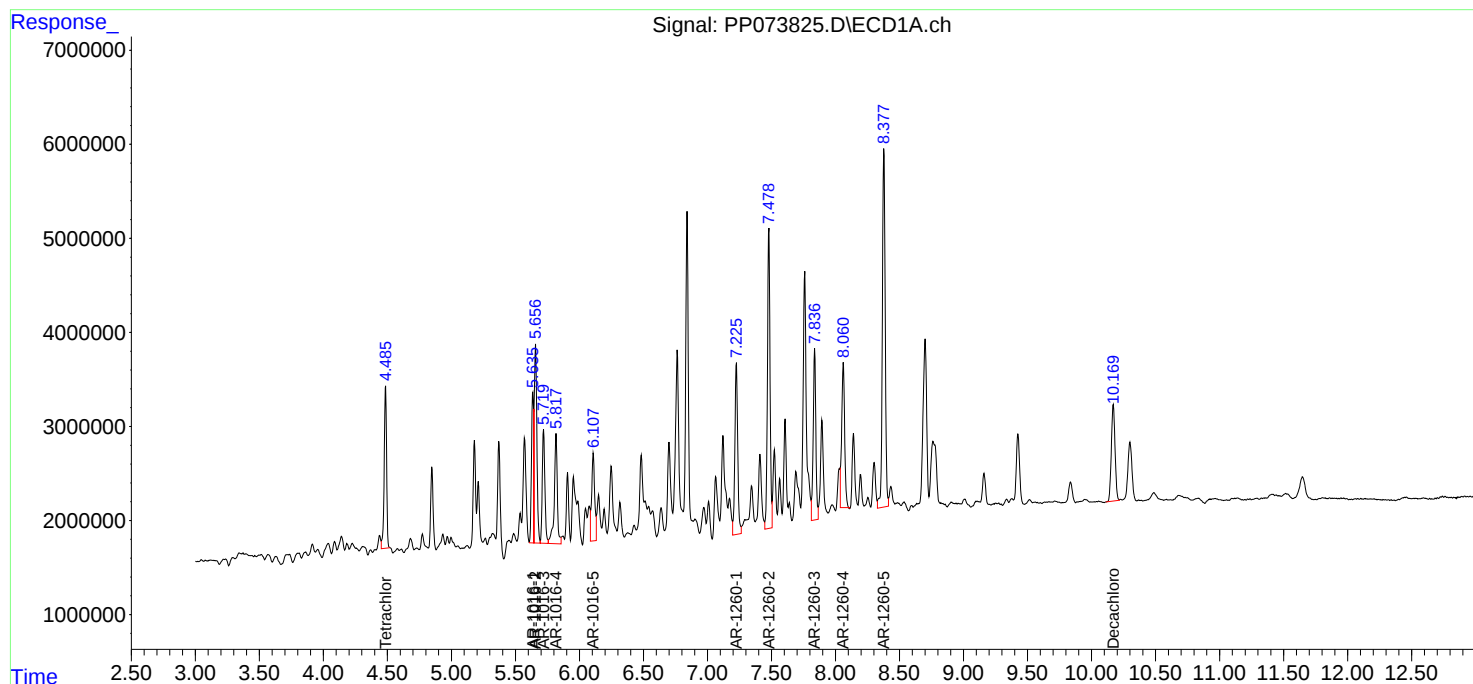
Instrument :
ECD_P
ClientSampleId :
OK-01-071425MS

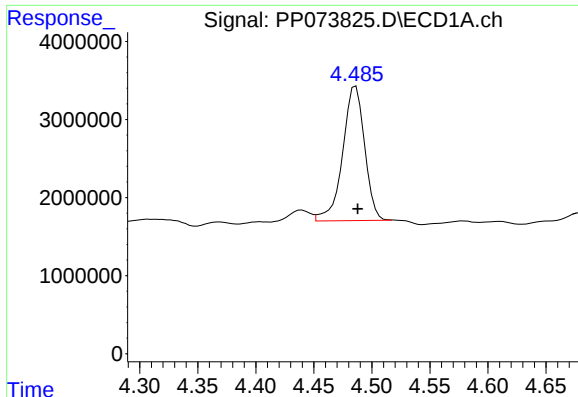
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:55:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





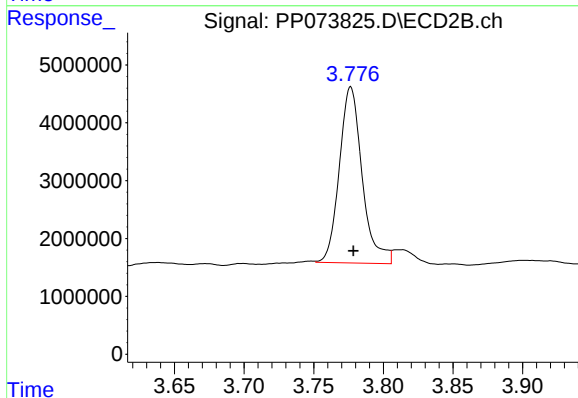
#1 Tetrachloro-m-xylene

R.T.: 4.485 min
Delta R.T.: -0.003 min
Response: 22641678
Conc: 16.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MS

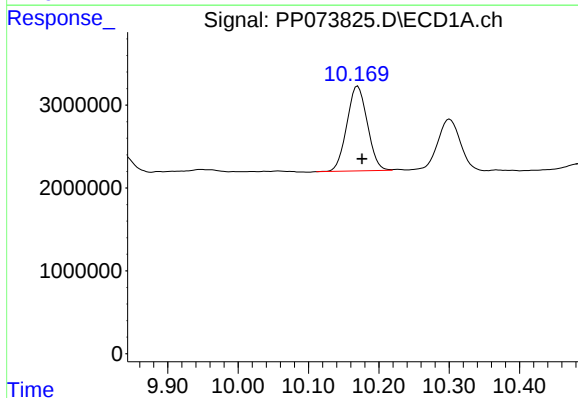
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



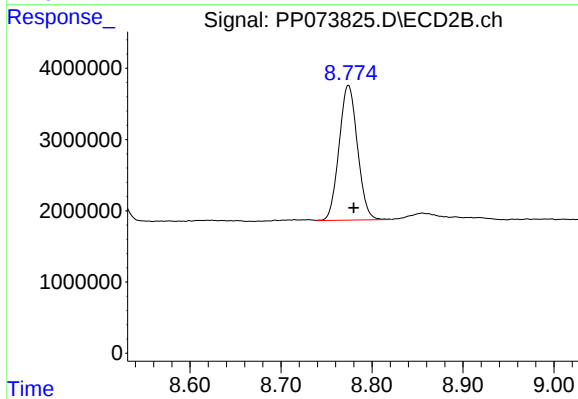
#1 Tetrachloro-m-xylene

R.T.: 3.777 min
Delta R.T.: -0.002 min
Response: 34785989
Conc: 18.88 ng/ml



#2 Decachlorobiphenyl

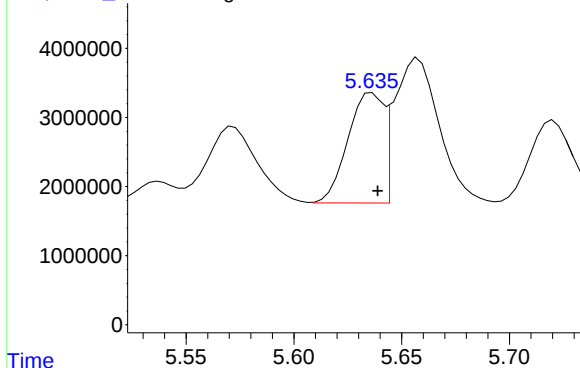
R.T.: 10.170 min
Delta R.T.: -0.006 min
Response: 20716616
Conc: 18.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.774 min
Delta R.T.: -0.006 min
Response: 26536568
Conc: 20.06 ng/ml

Response_ Signal: PP073825.D\ECD1A.ch



#3 AR-1016-1

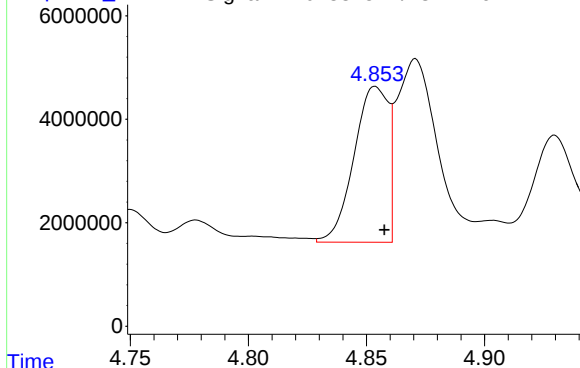
R.T.: 5.636 min
Delta R.T.: -0.003 min
Response: 18291746
Conc: 384.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

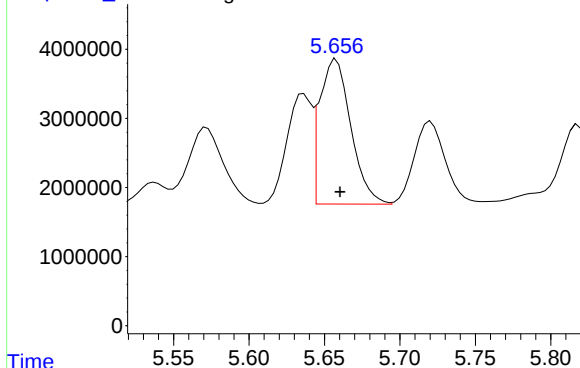
Time Response_ Signal: PP073825.D\ECD2B.ch



#3 AR-1016-1

R.T.: 4.854 min
Delta R.T.: -0.004 min
Response: 30347228
Conc: 445.14 ng/ml

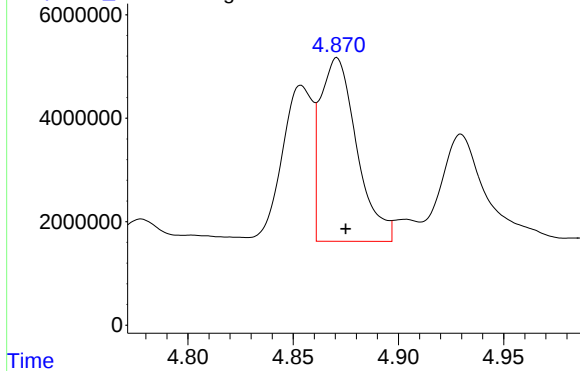
Time Response_ Signal: PP073825.D\ECD1A.ch



#4 AR-1016-2

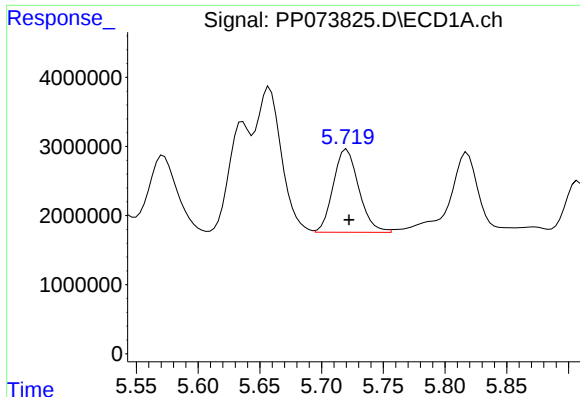
R.T.: 5.658 min
Delta R.T.: -0.003 min
Response: 30281427
Conc: 425.21 ng/ml

Time Response_ Signal: PP073825.D\ECD2B.ch



#4 AR-1016-2

R.T.: 4.871 min
Delta R.T.: -0.004 min
Response: 42782315
Conc: 419.91 ng/ml



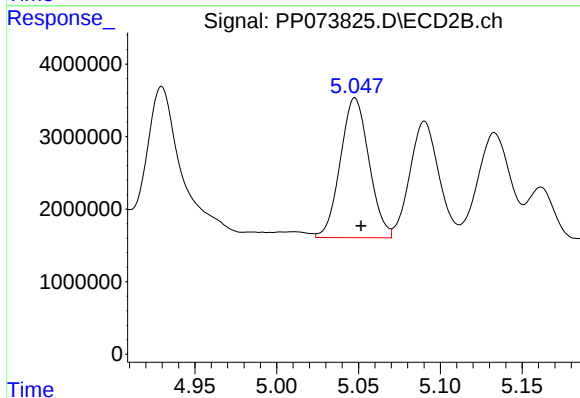
#5 AR-1016-3

R.T.: 5.721 min
Delta R.T.: -0.002 min
Response: 17369079
Conc: 397.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MS

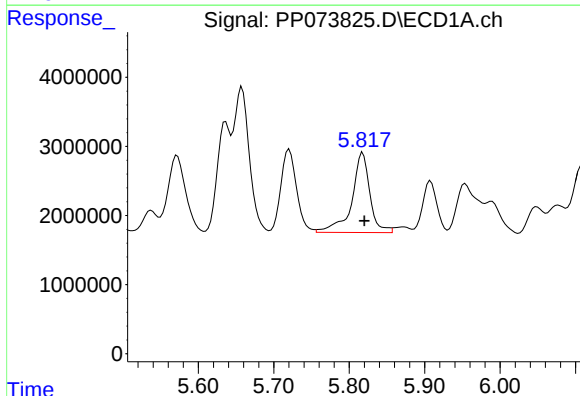
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



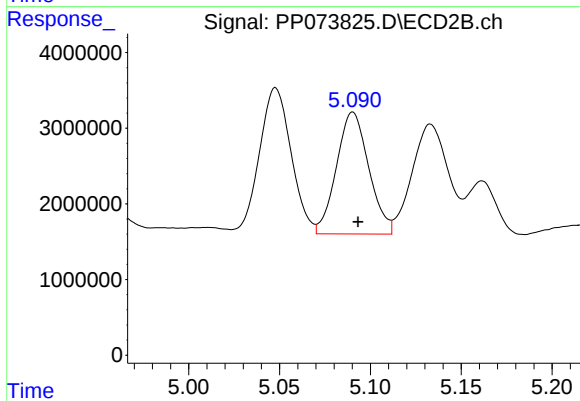
#5 AR-1016-3

R.T.: 5.048 min
Delta R.T.: -0.004 min
Response: 23493080
Conc: 434.20 ng/ml



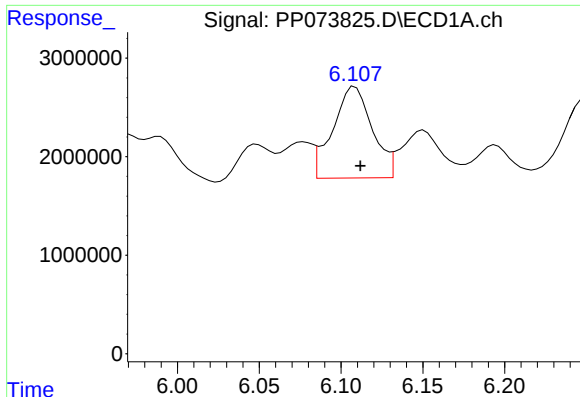
#6 AR-1016-4

R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 19300513
Conc: 536.94 ng/ml



#6 AR-1016-4

R.T.: 5.090 min
Delta R.T.: -0.003 min
Response: 19958621
Conc: 454.84 ng/ml



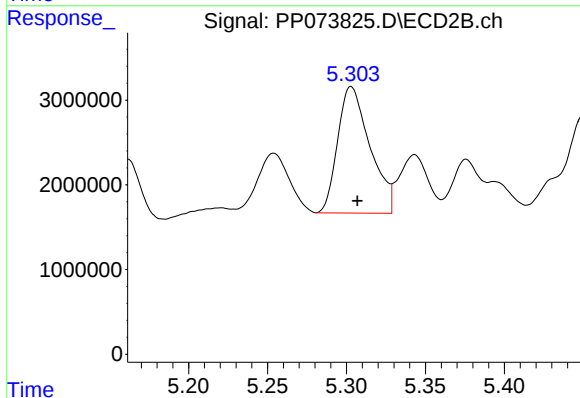
#7 AR-1016-5

R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 15372302
Conc: 490.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MS

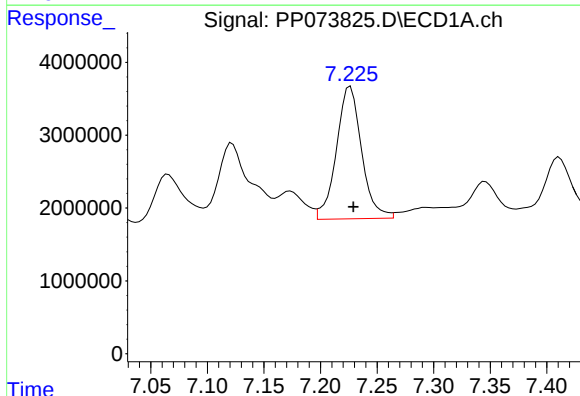
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



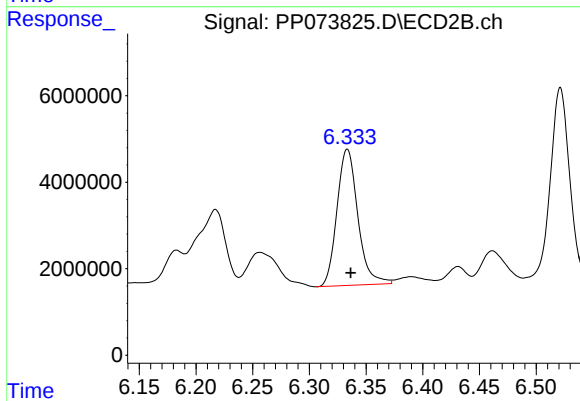
#7 AR-1016-5

R.T.: 5.303 min
Delta R.T.: -0.004 min
Response: 21261779
Conc: 389.53 ng/ml



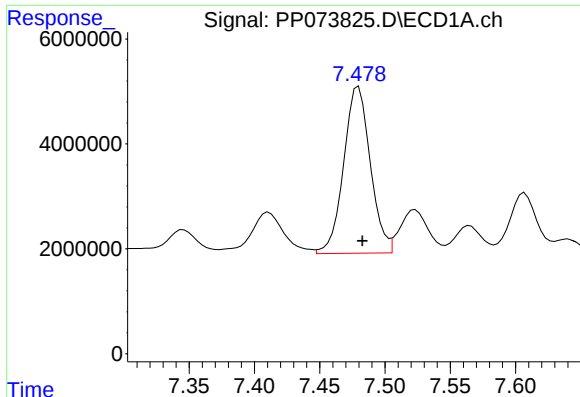
#31 AR-1260-1

R.T.: 7.226 min
Delta R.T.: -0.003 min
Response: 28166096
Conc: 477.71 ng/ml



#31 AR-1260-1

R.T.: 6.333 min
Delta R.T.: -0.003 min
Response: 40435789
Conc: 414.47 ng/ml



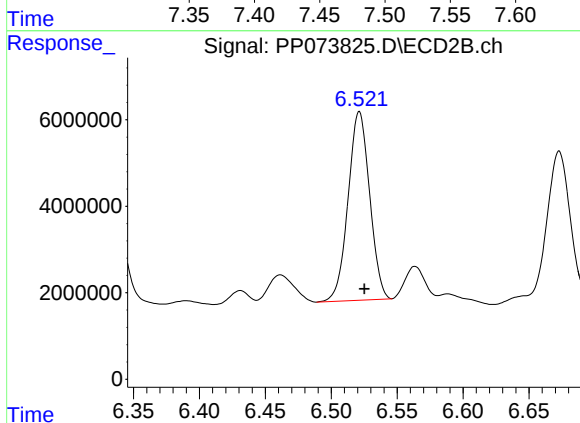
#32 AR-1260-2

R.T.: 7.480 min
Delta R.T.: -0.003 min
Response: 45222319
Conc: 471.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MS

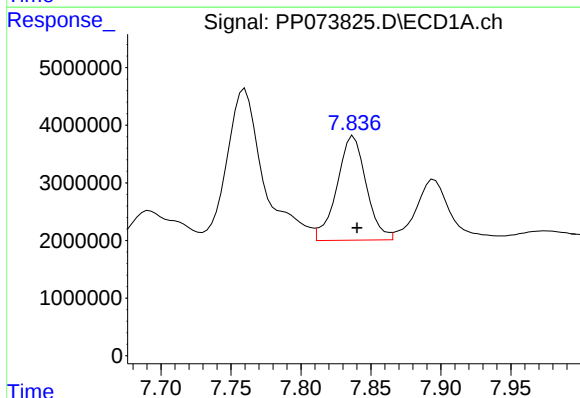
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



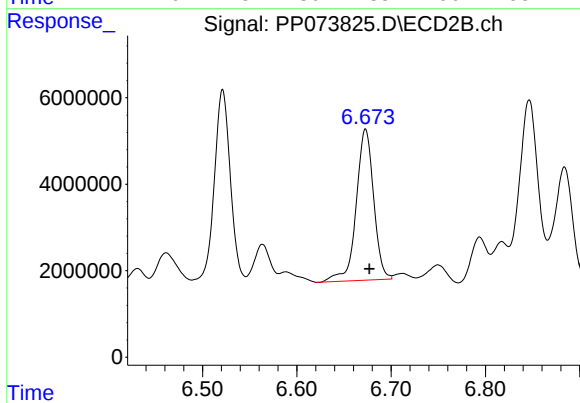
#32 AR-1260-2

R.T.: 6.521 min
Delta R.T.: -0.004 min
Response: 49641421
Conc: 404.12 ng/ml



#33 AR-1260-3

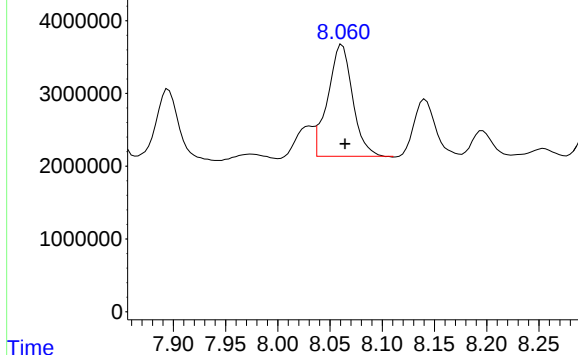
R.T.: 7.838 min
Delta R.T.: -0.003 min
Response: 26302256
Conc: 359.96 ng/ml



#33 AR-1260-3

R.T.: 6.673 min
Delta R.T.: -0.004 min
Response: 44915346
Conc: 410.32 ng/ml

Response_ Signal: PP073825.D\ECD1A.ch



#34 AR-1260-4

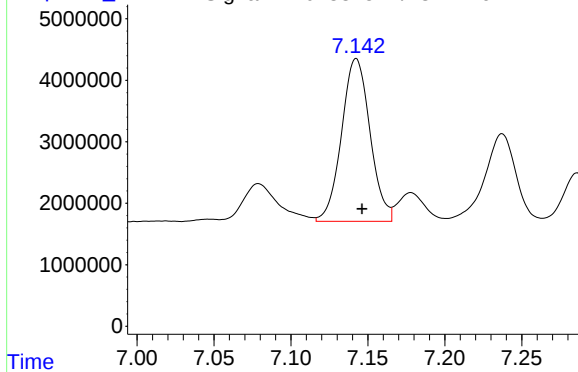
R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 24959823
Conc: 382.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

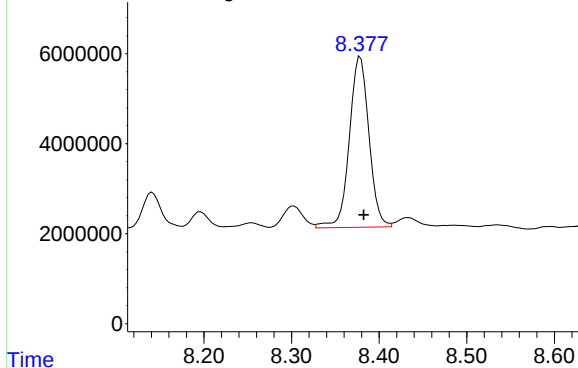
Time Response_ Signal: PP073825.D\ECD2B.ch



#34 AR-1260-4

R.T.: 7.142 min
Delta R.T.: -0.004 min
Response: 34011813
Conc: 380.41 ng/ml

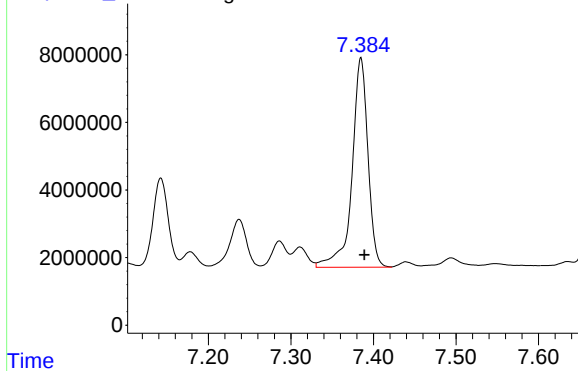
Time Response_ Signal: PP073825.D\ECD1A.ch



#35 AR-1260-5

R.T.: 8.379 min
Delta R.T.: -0.004 min
Response: 59020736
Conc: 391.25 ng/ml

Time Response_ Signal: PP073825.D\ECD2B.ch



#35 AR-1260-5

R.T.: 7.385 min
Delta R.T.: -0.004 min
Response: 83062657
Conc: 369.60 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/14/25
Project:	Con Edison - East River Site 2	Date Received:	07/14/25
Client Sample ID:	OK-01-071425MSD	SDG No.:	Q2592
Lab Sample ID:	Q2598-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	96.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073826.D	1	07/15/25 08:40	07/15/25 23:30	PB168852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	162		4.10	17.6	ug/kg
11104-28-2	Aroclor-1221	17.6	U	4.20	17.6	ug/kg
11141-16-5	Aroclor-1232	17.6	U	3.80	17.6	ug/kg
53469-21-9	Aroclor-1242	17.6	U	4.10	17.6	ug/kg
12672-29-6	Aroclor-1248	17.6	U	6.10	17.6	ug/kg
11097-69-1	Aroclor-1254	17.6	U	3.30	17.6	ug/kg
37324-23-5	Aroclor-1262	17.6	U	5.20	17.6	ug/kg
11100-14-4	Aroclor-1268	17.6	U	3.70	17.6	ug/kg
11096-82-5	Aroclor-1260	150		3.30	17.6	ug/kg
Total PCBs	Total PCBs	312		7.40	17.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		32 - 175	110%	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\PP071525\
 Data File : PP073826.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Jul 2025 23:30
 Operator : YP\AJ
 Sample : Q2598-01MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 OK-01-071425MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2025
 Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 01:55:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 08:35:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	4.483	3.776	24529195	39130978	17.911m	21.240
2) SA Decachlor...	10.168	8.773	21777461	29029892	19.960	21.940
Target Compounds						
3) L1 AR-1016-1	5.635	4.854	18648577	32449281	392.489	475.972
4) L1 AR-1016-2	5.656	4.870	32240713	46671096	452.724	458.079
5) L1 AR-1016-3	5.719	5.047	18116776	25181667	414.922	465.411
6) L1 AR-1016-4	5.816	5.090	19931640	21217801	554.495	483.532
7) L1 AR-1016-5	6.106	5.302	16685994	22973906	532.581m	420.902
31) L7 AR-1260-1	7.224	6.332	29013877	42837365	492.084	439.086
32) L7 AR-1260-2	7.478	6.521	47346013	55399023	494.012	450.994m
33) L7 AR-1260-3	7.836	6.672	27034015	48633620	369.971	444.289
34) L7 AR-1260-4	8.058	7.141	27222151	35409166	416.879m	396.038
35) L7 AR-1260-5	8.376	7.384	61724003	88575638	409.167	394.131

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP071525\
Data File : PP073826.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jul 2025 23:30
Operator : YP\AJ
Sample : Q2598-01MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

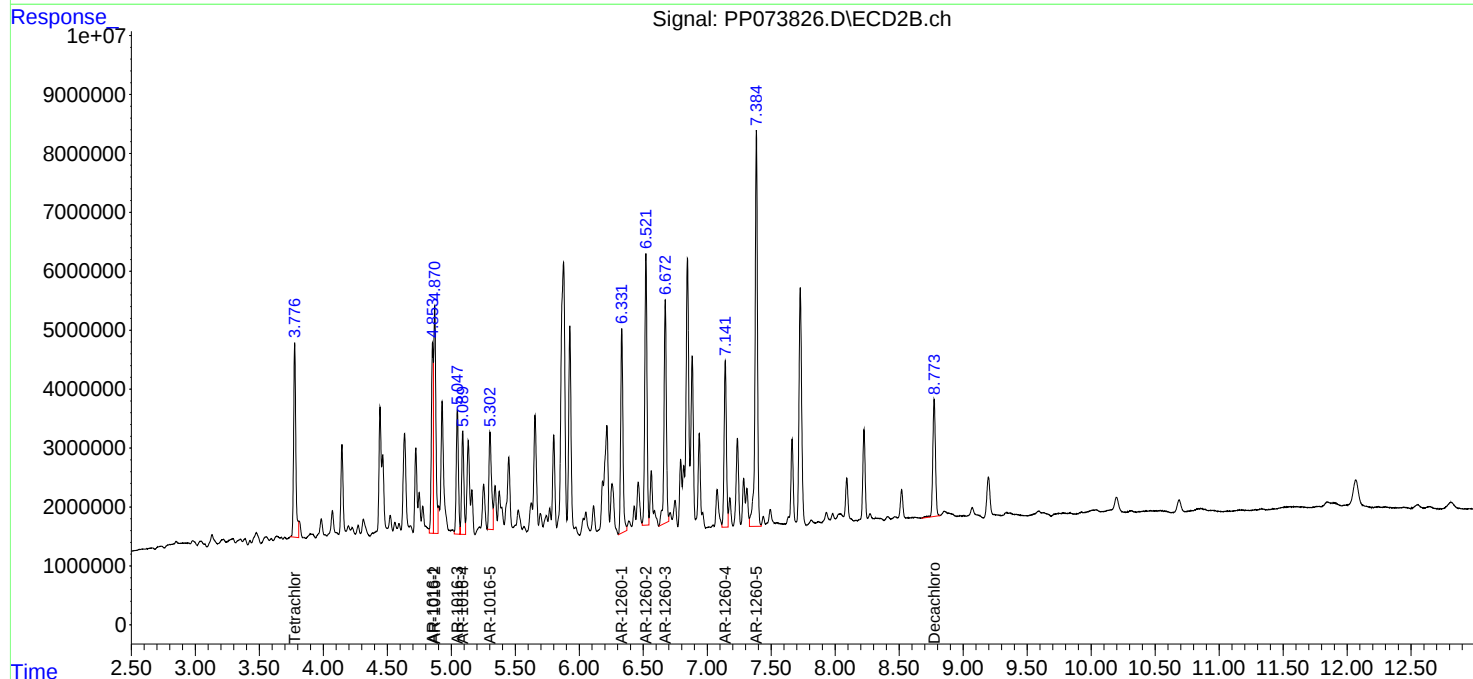
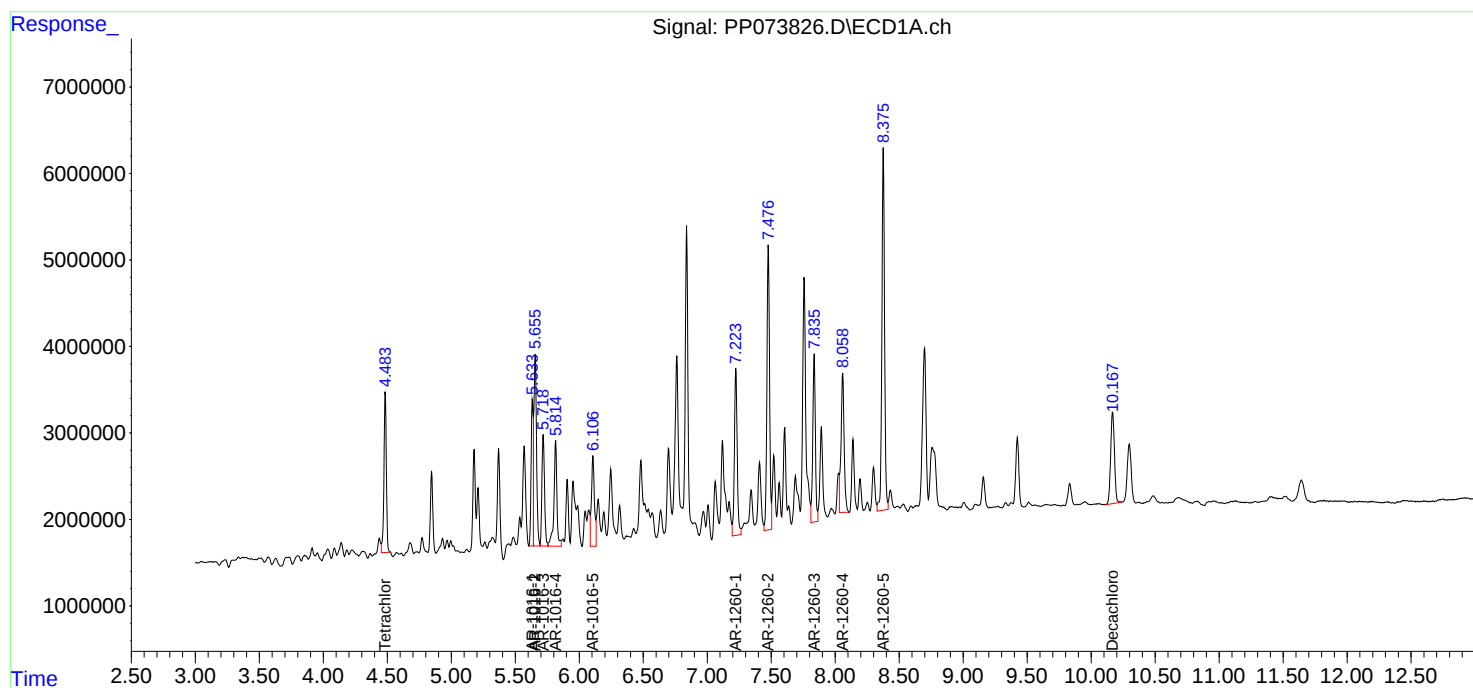
Instrument :
ECD_P
ClientSampleId :
OK-01-071425MSD

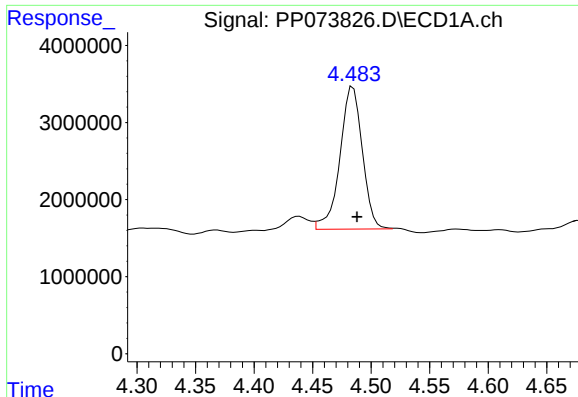
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 16 01:55:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 08:35:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 4.483 min
Delta R.T.: -0.005 min
Response: 24529195
Conc: 17.91 ng/ml

Instrument :

ECD_P

ClientSampleId :

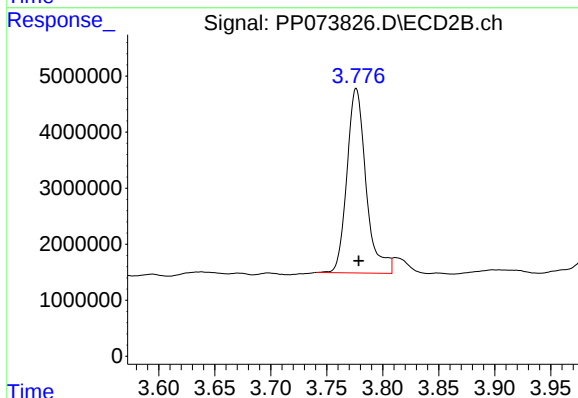
OK-01-071425MSD

Manual Integrations

APPROVED

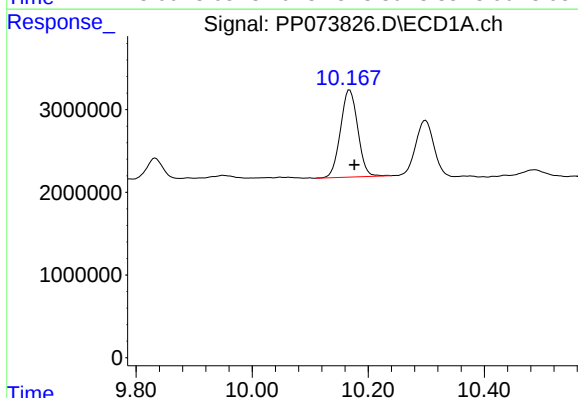
Reviewed By :Yogesh Patel 07/16/2025

Supervised By :mohammad ahmed 07/19/2025



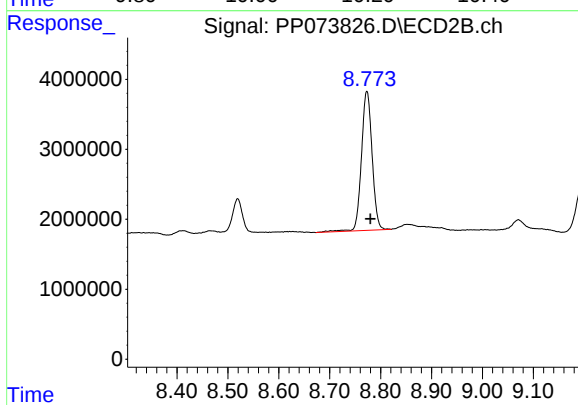
#1 Tetrachloro-m-xylene

R.T.: 3.776 min
Delta R.T.: -0.002 min
Response: 39130978
Conc: 21.24 ng/ml



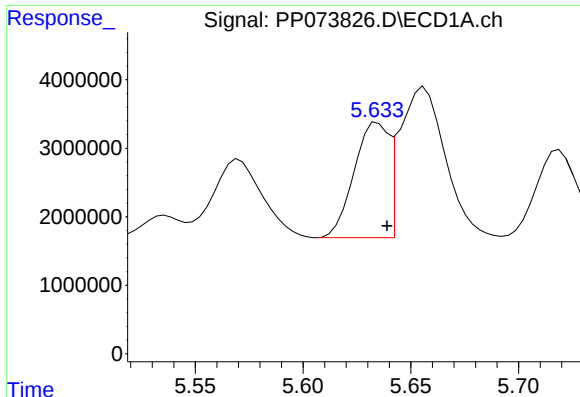
#2 Decachlorobiphenyl

R.T.: 10.168 min
Delta R.T.: -0.008 min
Response: 21777461
Conc: 19.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.773 min
Delta R.T.: -0.007 min
Response: 29029892
Conc: 21.94 ng/ml



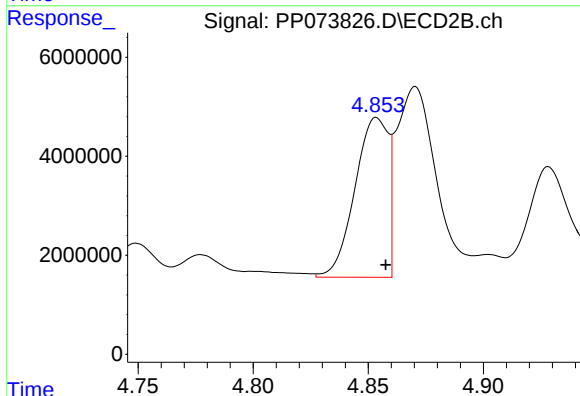
#3 AR-1016-1

R.T.: 5.635 min
Delta R.T.: -0.004 min
Response: 18648577
Conc: 392.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MSD

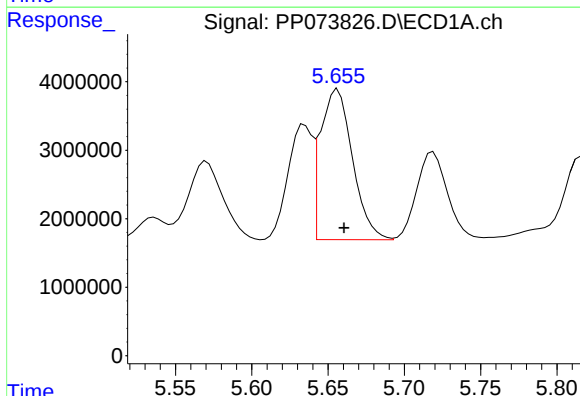
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



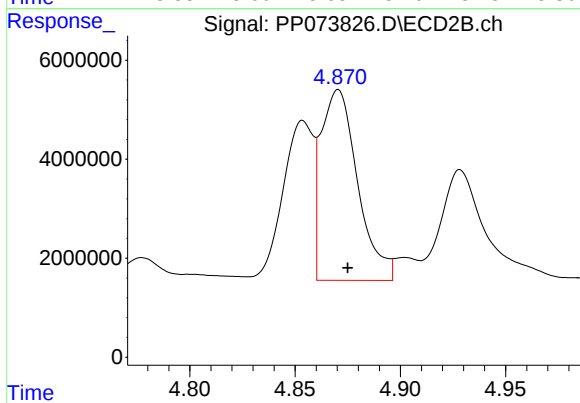
#3 AR-1016-1

R.T.: 4.854 min
Delta R.T.: -0.004 min
Response: 32449281
Conc: 475.97 ng/ml



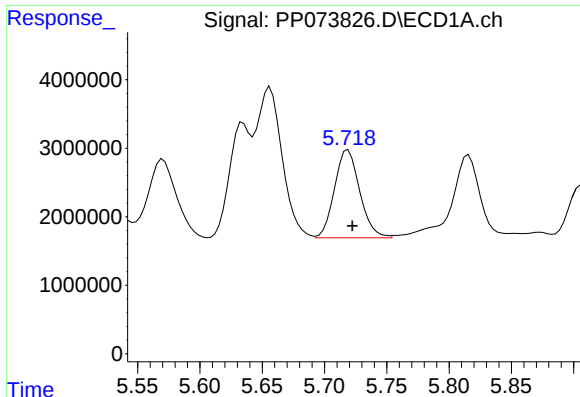
#4 AR-1016-2

R.T.: 5.656 min
Delta R.T.: -0.004 min
Response: 32240713
Conc: 452.72 ng/ml



#4 AR-1016-2

R.T.: 4.870 min
Delta R.T.: -0.005 min
Response: 46671096
Conc: 458.08 ng/ml



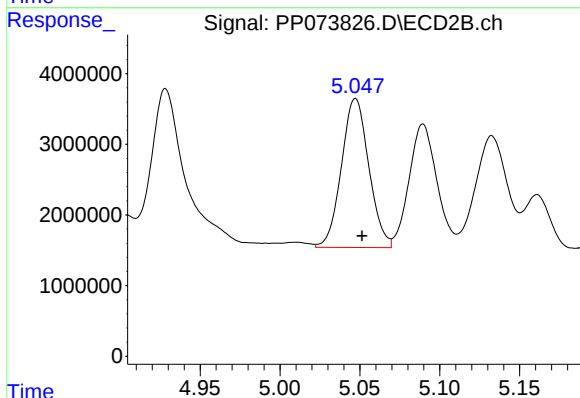
#5 AR-1016-3

R.T.: 5.719 min
Delta R.T.: -0.003 min
Response: 18116776
Conc: 414.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MSD

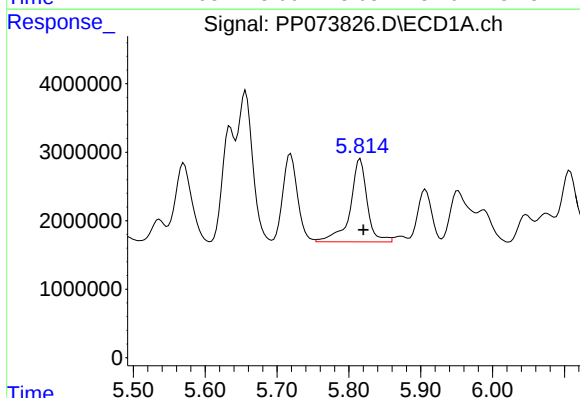
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



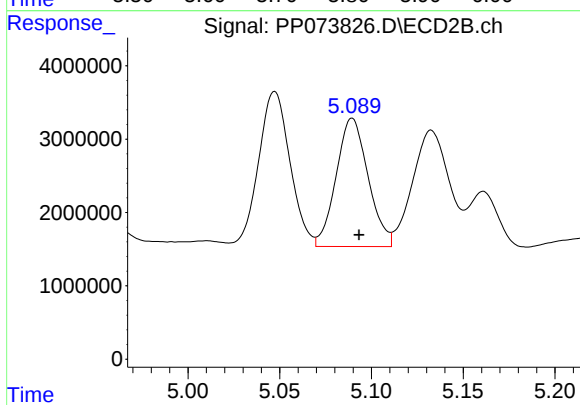
#5 AR-1016-3

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 25181667
Conc: 465.41 ng/ml



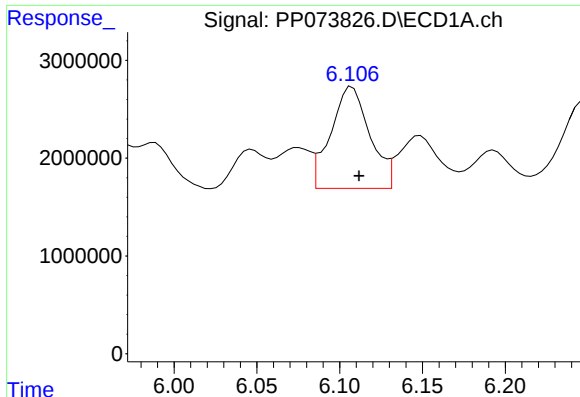
#6 AR-1016-4

R.T.: 5.816 min
Delta R.T.: -0.004 min
Response: 19931640
Conc: 554.49 ng/ml



#6 AR-1016-4

R.T.: 5.090 min
Delta R.T.: -0.004 min
Response: 21217801
Conc: 483.53 ng/ml



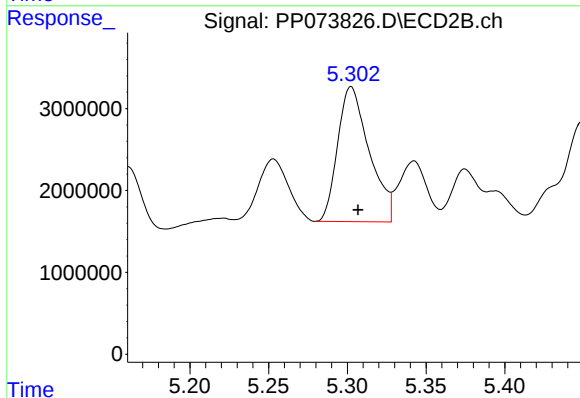
#7 AR-1016-5

R.T.: 6.106 min
Delta R.T.: -0.006 min
Response: 16685994
Conc: 532.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MSD

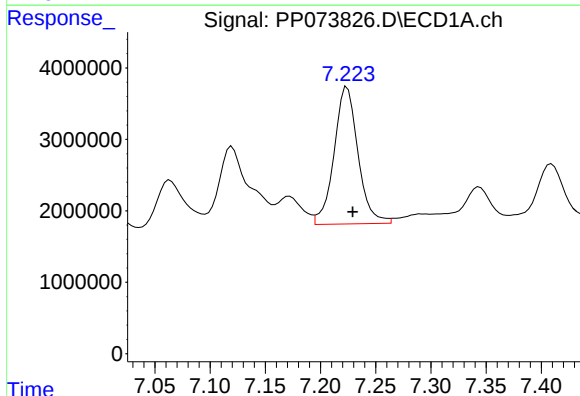
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



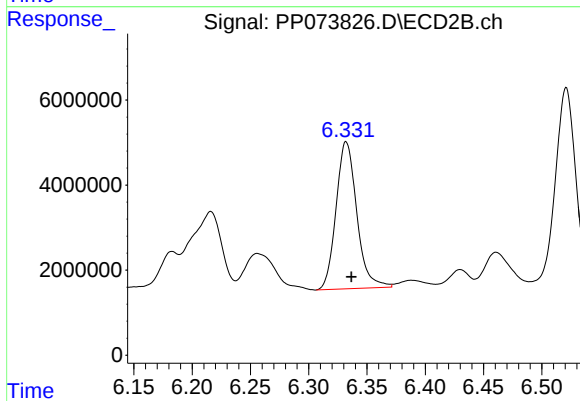
#7 AR-1016-5

R.T.: 5.302 min
Delta R.T.: -0.005 min
Response: 22973906
Conc: 420.90 ng/ml



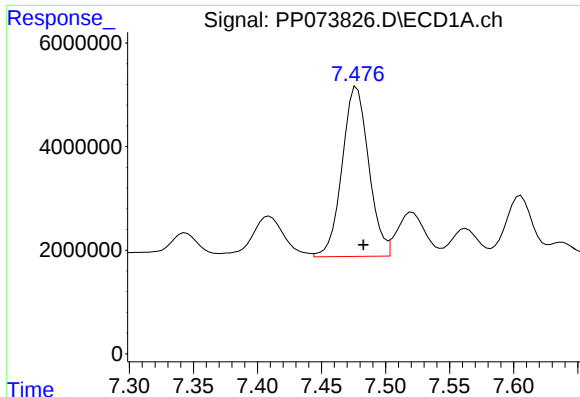
#31 AR-1260-1

R.T.: 7.224 min
Delta R.T.: -0.005 min
Response: 29013877
Conc: 492.08 ng/ml



#31 AR-1260-1

R.T.: 6.332 min
Delta R.T.: -0.004 min
Response: 42837365
Conc: 439.09 ng/ml



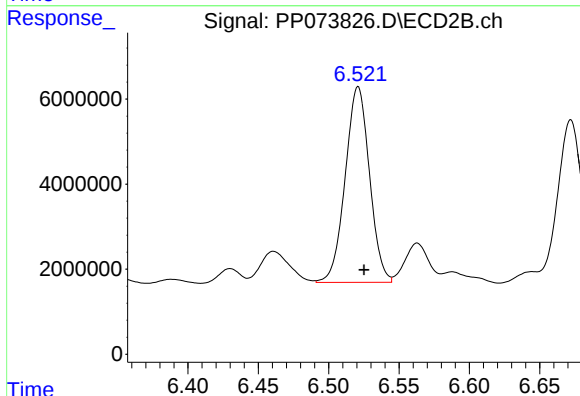
#32 AR-1260-2

R.T.: 7.478 min
Delta R.T.: -0.005 min
Response: 47346013
Conc: 494.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MSD

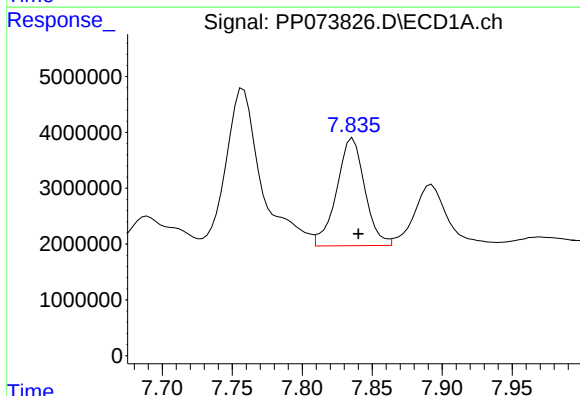
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025



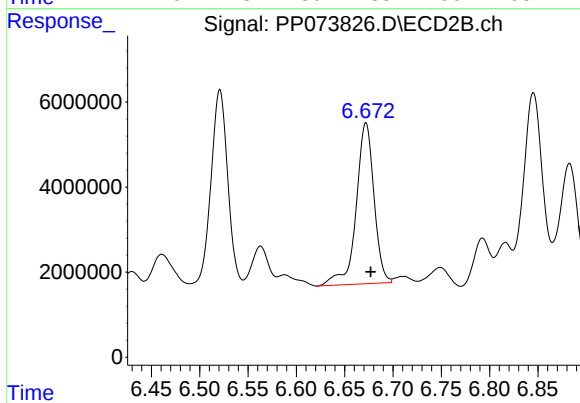
#32 AR-1260-2

R.T.: 6.521 min
Delta R.T.: -0.005 min
Response: 55399023
Conc: 450.99 ng/ml m



#33 AR-1260-3

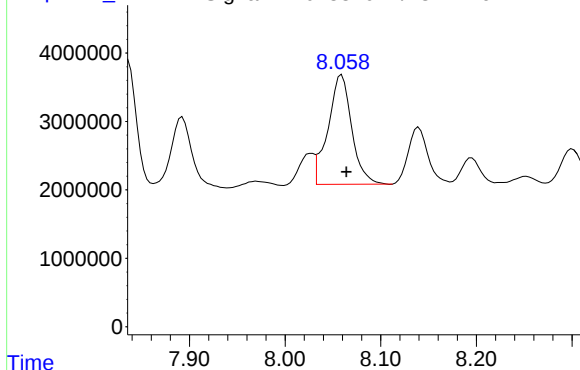
R.T.: 7.836 min
Delta R.T.: -0.004 min
Response: 27034015
Conc: 369.97 ng/ml



#33 AR-1260-3

R.T.: 6.672 min
Delta R.T.: -0.005 min
Response: 48633620
Conc: 444.29 ng/ml

Response_ Signal: PP073826.D\ECD1A.ch



#34 AR-1260-4

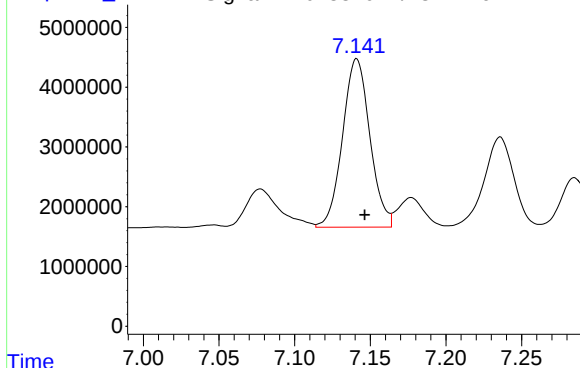
R.T.: 8.058 min
Delta R.T.: -0.007 min
Response: 27222151
Conc: 416.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
OK-01-071425MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2025
Supervised By :mohammad ahmed 07/19/2025

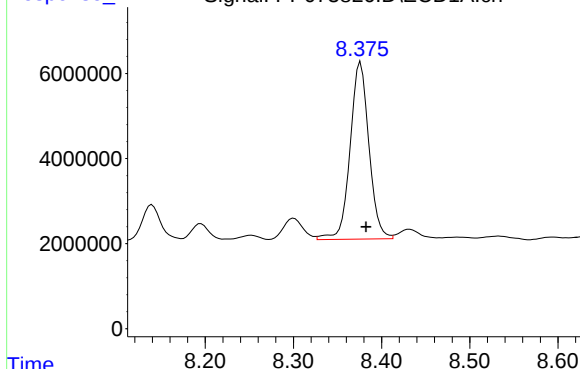
Response_ Signal: PP073826.D\ECD2B.ch



#34 AR-1260-4

R.T.: 7.141 min
Delta R.T.: -0.005 min
Response: 35409166
Conc: 396.04 ng/ml

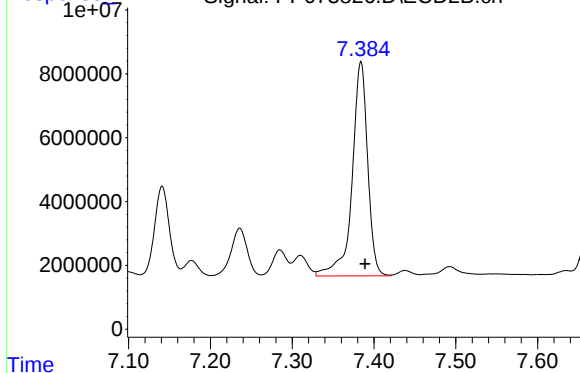
Response_ Signal: PP073826.D\ECD1A.ch



#35 AR-1260-5

R.T.: 8.376 min
Delta R.T.: -0.006 min
Response: 61724003
Conc: 409.17 ng/ml

Response_ Signal: PP073826.D\ECD2B.ch



#35 AR-1260-5

R.T.: 7.384 min
Delta R.T.: -0.005 min
Response: 88575638
Conc: 394.13 ng/ml

Manual Integration Report

Sequence:

pp070825

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP073557.D	AR-1260-4 #2	yogesh	7/8/2025 8:51:16 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC250	PP073557.D	AR-1260-5 #2	yogesh	7/8/2025 8:51:16 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1016-1	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-1 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-4 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1660ICC050	PP073558.D	AR-1260-5 #2	yogesh	7/8/2025 8:51:18 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-1	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-2	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-3	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1242ICC050	PP073565.D	AR-1242-5	yogesh	7/8/2025 8:51:20 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-1	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-4	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1248ICC050	PP073570.D	AR-1248-5	yogesh	7/8/2025 8:51:21 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software

Manual Integration Report

Sequence:

pp070825

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PP073575.D	AR-1254-1	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-2	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-3	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1254ICC050	PP073575.D	AR-1254-4	yogesh	7/8/2025 8:51:23 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1268ICC250	PP073580.D	AR-1268-1 #2	yogesh	7/8/2025 8:51:24 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software
AR1268ICC050	PP073581.D	AR-1268-5	yogesh	7/8/2025 8:51:26 AM	mohammad	7/9/2025 1:51:14	Peak Integrated by Software

Manual Integration Report

Sequence:

pp071525

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2592-01	PP073814.D	Decachlorobiphenyl	yogesh	7/16/2025 8:04:09 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
Q2592-01	PP073814.D	Tetrachloro-m-xylene	yogesh	7/16/2025 8:04:09 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
Q2598-01MS	PP073825.D	AR-1016-5	yogesh	7/16/2025 8:04:22 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
Q2598-01MS	PP073825.D	AR-1260-4	yogesh	7/16/2025 8:04:22 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
Q2598-01MS	PP073825.D	Tetrachloro-m-xylene	yogesh	7/16/2025 8:04:22 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
Q2598-01MSD	PP073826.D	AR-1016-5	yogesh	7/16/2025 8:04:23 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
Q2598-01MSD	PP073826.D	AR-1260-2 #2	yogesh	7/16/2025 8:04:23 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
Q2598-01MSD	PP073826.D	AR-1260-4	yogesh	7/16/2025 8:04:23 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
Q2598-01MSD	PP073826.D	Tetrachloro-m-xylene	yogesh	7/16/2025 8:04:23 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
AR1660CCC500	PP073834.D	AR-1016-5 #2	yogesh	7/16/2025 8:04:31 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software
AR1660CCC500	PP073834.D	AR-1260-2	yogesh	7/16/2025 8:04:31 AM	mohammad	7/19/2025 3:19:57	Peak Integrated by Software

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM
SubDirectory	PP070825	HP Acquire Method	HP Processing Method PP070825
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	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,PP2		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP073552.D	07 Jul 2025 20:13	YP\AJ	Ok
2	I.BLK	PP073553.D	07 Jul 2025 20:30	YP\AJ	Ok
3	AR1660ICC1000	PP073554.D	07 Jul 2025 21:03	YP\AJ	Ok
4	AR1660ICC750	PP073555.D	07 Jul 2025 21:19	YP\AJ	Ok
5	AR1660ICC500	PP073556.D	07 Jul 2025 21:35	YP\AJ	Ok
6	AR1660ICC250	PP073557.D	07 Jul 2025 21:52	YP\AJ	Ok,M
7	AR1660ICC050	PP073558.D	07 Jul 2025 22:08	YP\AJ	Ok,M
8	AR1221ICC500	PP073559.D	07 Jul 2025 22:24	YP\AJ	Ok
9	AR1232ICC500	PP073560.D	07 Jul 2025 22:41	YP\AJ	Ok
10	AR1242ICC1000	PP073561.D	07 Jul 2025 22:57	YP\AJ	Ok
11	AR1242ICC750	PP073562.D	07 Jul 2025 23:14	YP\AJ	Ok
12	AR1242ICC500	PP073563.D	07 Jul 2025 23:30	YP\AJ	Ok
13	AR1242ICC250	PP073564.D	07 Jul 2025 23:46	YP\AJ	Ok
14	AR1242ICC050	PP073565.D	08 Jul 2025 00:03	YP\AJ	Ok,M
15	AR1248ICC1000	PP073566.D	08 Jul 2025 00:19	YP\AJ	Ok
16	AR1248ICC750	PP073567.D	08 Jul 2025 00:35	YP\AJ	Ok
17	AR1248ICC500	PP073568.D	08 Jul 2025 00:52	YP\AJ	Ok
18	AR1248ICC250	PP073569.D	08 Jul 2025 01:08	YP\AJ	Ok
19	AR1248ICC050	PP073570.D	08 Jul 2025 01:25	YP\AJ	Ok,M
20	AR1254ICC1000	PP073571.D	08 Jul 2025 01:41	YP\AJ	Ok
21	AR1254ICC750	PP073572.D	08 Jul 2025 01:57	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM
SubDirectory	PP070825	HP Acquire Method	HP Processing Method PP070825
STD. NAME	STD REF.#		
Tune/Reschk	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		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
LCS Standard			

22	AR1254ICC500	PP073573.D	08 Jul 2025 02:14	YP\AJ	Ok
23	AR1254ICC250	PP073574.D	08 Jul 2025 02:30	YP\AJ	Ok
24	AR1254ICC050	PP073575.D	08 Jul 2025 02:46	YP\AJ	Ok,M
25	AR1262ICC500	PP073576.D	08 Jul 2025 03:03	YP\AJ	Ok
26	AR1268ICC1000	PP073577.D	08 Jul 2025 03:19	YP\AJ	Ok
27	AR1268ICC750	PP073578.D	08 Jul 2025 03:35	YP\AJ	Ok
28	AR1268ICC500	PP073579.D	08 Jul 2025 03:52	YP\AJ	Ok
29	AR1268ICC250	PP073580.D	08 Jul 2025 04:08	YP\AJ	Ok,M
30	AR1268ICC050	PP073581.D	08 Jul 2025 04:24	YP\AJ	Ok,M
31	PP070125ICV500	PP073582.D	08 Jul 2025 04:41	YP\AJ	Ok
32	AR1242ICV500	PP073583.D	08 Jul 2025 05:30	YP\AJ	Ok
33	AR1248ICV500	PP073584.D	08 Jul 2025 05:46	YP\AJ	Ok
34	AR1254ICV500	PP073585.D	08 Jul 2025 06:19	YP\AJ	Ok
35	AR1268ICV500	PP073586.D	08 Jul 2025 06:52	YP\AJ	Ok
36	DDT ANALOGUE	PP073587.D	08 Jul 2025 07:24	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP071525

Review By	yogesh	Review On	7/15/2025 11:21:15 AM
Supervise By	mohammad	Supervise On	7/19/2025 3:19:57 AM
SubDirectory	PP071525	HP Acquire Method	HP Processing Method PP070825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP073788.D	15 Jul 2025 08:49	YP\AJ	Ok
2	AR1660CCC500	PP073789.D	15 Jul 2025 09:05	YP\AJ	Ok
3	AR1242CCC500	PP073790.D	15 Jul 2025 09:33	YP\AJ	Ok
4	AR1248CCC500	PP073791.D	15 Jul 2025 09:49	YP\AJ	Ok
5	AR1254CCC500	PP073792.D	15 Jul 2025 10:05	YP\AJ	Ok
6	I.BLK	PP073793.D	15 Jul 2025 10:22	YP\AJ	Ok
7	DDT ANALOG	PP073794.D	15 Jul 2025 10:38	YP\AJ	Ok
8	PB168851BL	PP073795.D	15 Jul 2025 12:50	YP\AJ	Ok
9	PB168851BS	PP073796.D	15 Jul 2025 13:07	YP\AJ	Ok
10	Q2599-01	PP073797.D	15 Jul 2025 13:23	YP\AJ	Ok,M
11	Q2599-02	PP073798.D	15 Jul 2025 13:40	YP\AJ	Ok
12	Q2599-03	PP073799.D	15 Jul 2025 13:56	YP\AJ	Not Ok
13	Q2601-01	PP073800.D	15 Jul 2025 14:13	YP\AJ	Ok
14	Q2601-02	PP073801.D	15 Jul 2025 14:29	YP\AJ	Ok
15	Q2601-03	PP073802.D	15 Jul 2025 14:46	YP\AJ	Ok
16	Q2601-04	PP073803.D	15 Jul 2025 15:02	YP\AJ	Ok
17	AR1660CCC500	PP073804.D	15 Jul 2025 16:08	YP\AJ	Ok
18	AR1242CCC500	PP073805.D	15 Jul 2025 16:24	YP\AJ	Ok
19	AR1248CCC500	PP073806.D	15 Jul 2025 16:40	YP\AJ	Ok
20	AR1254CCC500	PP073807.D	15 Jul 2025 16:57	YP\AJ	Ok
21	I.BLK	PP073808.D	15 Jul 2025 17:13	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP071525

Review By	yogesh	Review On	7/15/2025 11:21:15 AM
Supervise By	mohammad	Supervise On	7/19/2025 3:19:57 AM
SubDirectory	PP071525	HP Acquire Method	HP Processing Method PP070825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB168852BL	PP073809.D	15 Jul 2025 17:30	YP\AJ	Ok
23	PB168852BS	PP073810.D	15 Jul 2025 17:46	YP\AJ	Ok
24	Q2601-05	PP073811.D	15 Jul 2025 18:02	YP\AJ	Ok
25	Q2601-06	PP073812.D	15 Jul 2025 18:19	YP\AJ	Ok
26	Q2507-01	PP073813.D	15 Jul 2025 18:35	YP\AJ	Ok,M
27	Q2592-01	PP073814.D	15 Jul 2025 18:52	YP\AJ	Ok,M
28	Q2595-01	PP073815.D	15 Jul 2025 19:08	YP\AJ	Ok
29	Q2600-01	PP073816.D	15 Jul 2025 19:24	YP\AJ	Ok,M
30	Q2600-05	PP073817.D	15 Jul 2025 19:41	YP\AJ	Ok,M
31	Q2600-09	PP073818.D	15 Jul 2025 19:57	YP\AJ	Ok,M
32	AR1660CCC500	PP073819.D	15 Jul 2025 21:02	YP\AJ	Ok
33	AR1242CCC500	PP073820.D	15 Jul 2025 21:52	YP\AJ	Ok
34	AR1248CCC500	PP073821.D	15 Jul 2025 22:08	YP\AJ	Ok
35	AR1254CCC500	PP073822.D	15 Jul 2025 22:24	YP\AJ	Ok
36	I.BLK	PP073823.D	15 Jul 2025 22:41	YP\AJ	Ok
37	Q2598-01	PP073824.D	15 Jul 2025 22:57	YP\AJ	Ok,M
38	Q2598-01MS	PP073825.D	15 Jul 2025 23:13	YP\AJ	Ok,M
39	Q2598-01MSD	PP073826.D	15 Jul 2025 23:30	YP\AJ	Ok,M
40	Q2587-01	PP073827.D	15 Jul 2025 23:46	YP\AJ	Ok,M
41	Q2587-02	PP073828.D	16 Jul 2025 00:03	YP\AJ	Ok,M
42	Q2587-03	PP073829.D	16 Jul 2025 00:19	YP\AJ	Ok,M
43	Q2597-01	PP073830.D	16 Jul 2025 00:35	YP\AJ	Dilution
44	PB168869BL	PP073831.D	16 Jul 2025 00:52	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP071525

Review By	yogesh	Review On	7/15/2025 11:21:15 AM
Supervise By	mohammad	Supervise On	7/19/2025 3:19:57 AM
SubDirectory	PP071525	HP Acquire Method	HP Processing Method PP070825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	PB168869BS	PP073832.D	16 Jul 2025 01:09	YP\AJ	Ok
46	Q2607-01	PP073833.D	16 Jul 2025 01:26	YP\AJ	Ok
47	AR1660CCC500	PP073834.D	16 Jul 2025 04:09	YP\AJ	Ok,M
48	AR1242CCC500	PP073835.D	16 Jul 2025 04:42	YP\AJ	Ok
49	AR1248CCC500	PP073836.D	16 Jul 2025 04:59	YP\AJ	Ok
50	AR1254CCC500	PP073837.D	16 Jul 2025 05:15	YP\AJ	Ok
51	I.BLK	PP073838.D	16 Jul 2025 05:31	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM
SubDirectory	PP070825	HP Acquire Method	HP Processing Method PP070825

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP073552.D	07 Jul 2025 20:13		YP\AJ	Ok
2	I.BLK	I.BLK	PP073553.D	07 Jul 2025 20:30		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP073554.D	07 Jul 2025 21:03		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP073555.D	07 Jul 2025 21:19		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP073556.D	07 Jul 2025 21:35		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP073557.D	07 Jul 2025 21:52		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP073558.D	07 Jul 2025 22:08		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP073559.D	07 Jul 2025 22:24		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP073560.D	07 Jul 2025 22:41		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP073561.D	07 Jul 2025 22:57		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP073562.D	07 Jul 2025 23:14		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP073563.D	07 Jul 2025 23:30		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP073564.D	07 Jul 2025 23:46		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP073565.D	08 Jul 2025 00:03		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP073566.D	08 Jul 2025 00:19		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP073567.D	08 Jul 2025 00:35		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP073568.D	08 Jul 2025 00:52		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP073569.D	08 Jul 2025 01:08		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP070825

Review By	yogesh	Review On	7/7/2025 4:17:13 PM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:14 AM
SubDirectory	PP070825	HP Acquire Method	HP Processing Method PP070825
STD. NAME	STD REF.#		
Tune/Reschk	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PP073570.D	08 Jul 2025 01:25		YPIAJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP073571.D	08 Jul 2025 01:41		YPIAJ	Ok
21	AR1254ICC750	AR1254ICC750	PP073572.D	08 Jul 2025 01:57		YPIAJ	Ok
22	AR1254ICC500	AR1254ICC500	PP073573.D	08 Jul 2025 02:14		YPIAJ	Ok
23	AR1254ICC250	AR1254ICC250	PP073574.D	08 Jul 2025 02:30		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PP073575.D	08 Jul 2025 02:46		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP073576.D	08 Jul 2025 03:03		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP073577.D	08 Jul 2025 03:19		YPIAJ	Ok
27	AR1268ICC750	AR1268ICC750	PP073578.D	08 Jul 2025 03:35		YPIAJ	Ok
28	AR1268ICC500	AR1268ICC500	PP073579.D	08 Jul 2025 03:52		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PP073580.D	08 Jul 2025 04:08		YPIAJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP073581.D	08 Jul 2025 04:24		YPIAJ	Ok,M
31	PP070125ICV500	ICVPP070825	PP073582.D	08 Jul 2025 04:41		YPIAJ	Ok
32	AR1242ICV500	ICVPP070825AR1242	PP073583.D	08 Jul 2025 05:30		YPIAJ	Ok
33	AR1248ICV500	ICVPP070825AR1248	PP073584.D	08 Jul 2025 05:46		YPIAJ	Ok
34	AR1254ICV500	ICVPP070825AR1254	PP073585.D	08 Jul 2025 06:19		YPIAJ	Ok
35	AR1268ICV500	ICVPP070825AR1268	PP073586.D	08 Jul 2025 06:52		YPIAJ	Ok
36	DDT ANALOGUE	DDT ANALOGUE	PP073587.D	08 Jul 2025 07:24		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP071525

Review By	yogesh	Review On	7/15/2025 11:21:15 AM
Supervise By	mohammad	Supervise On	7/19/2025 3:19:57 AM
SubDirectory	PP071525	HP Acquire Method	HP Processing Method PP070825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,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	PP073788.D	15 Jul 2025 08:49		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PP073789.D	15 Jul 2025 09:05		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PP073790.D	15 Jul 2025 09:33	DCB and TCMX high in 1st column	YPIAJ	Ok
4	AR1248CCC500	AR1248CCC500	PP073791.D	15 Jul 2025 09:49		YPIAJ	Ok
5	AR1254CCC500	AR1254CCC500	PP073792.D	15 Jul 2025 10:05		YPIAJ	Ok
6	I.BLK	I.BLK	PP073793.D	15 Jul 2025 10:22		YPIAJ	Ok
7	DDT ANALOG	DDT ANALOG	PP073794.D	15 Jul 2025 10:38		YPIAJ	Ok
8	PB168851BL	PB168851BL	PP073795.D	15 Jul 2025 12:50		YPIAJ	Ok
9	PB168851BS	PB168851BS	PP073796.D	15 Jul 2025 13:07		YPIAJ	Ok
10	Q2599-01	A1	PP073797.D	15 Jul 2025 13:23	AR1248 Hit	YPIAJ	Ok,M
11	Q2599-02	A2	PP073798.D	15 Jul 2025 13:40	AR1248 Hit	YPIAJ	Ok
12	Q2599-03	B1	PP073799.D	15 Jul 2025 13:56	need cleanup	YPIAJ	Not Ok
13	Q2601-01	7-14-25-1	PP073800.D	15 Jul 2025 14:13	AR1254 Hit	YPIAJ	Ok
14	Q2601-02	7-14-25-2	PP073801.D	15 Jul 2025 14:29	AR1254 Hit	YPIAJ	Ok
15	Q2601-03	7-14-25-3	PP073802.D	15 Jul 2025 14:46	AR1254 Hit	YPIAJ	Ok
16	Q2601-04	7-14-25-4	PP073803.D	15 Jul 2025 15:02	AR1254 Hit	YPIAJ	Ok
17	AR1660CCC500	AR1660CCC500	PP073804.D	15 Jul 2025 16:08		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP071525

Review By	yogesh	Review On	7/15/2025 11:21:15 AM
Supervise By	mohammad	Supervise On	7/19/2025 3:19:57 AM
SubDirectory	PP071525	HP Acquire Method	HP Processing Method PP070825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,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	PP073805.D	15 Jul 2025 16:24		YPIAJ	Ok
19	AR1248CCC500	AR1248CCC500	PP073806.D	15 Jul 2025 16:40		YPIAJ	Ok
20	AR1254CCC500	AR1254CCC500	PP073807.D	15 Jul 2025 16:57		YPIAJ	Ok
21	I.BLK	I.BLK	PP073808.D	15 Jul 2025 17:13		YPIAJ	Ok
22	PB168852BL	PB168852BL	PP073809.D	15 Jul 2025 17:30		YPIAJ	Ok
23	PB168852BS	PB168852BS	PP073810.D	15 Jul 2025 17:46		YPIAJ	Ok
24	Q2601-05	7-14-25-5	PP073811.D	15 Jul 2025 18:02	AR1254 Hit	YPIAJ	Ok
25	Q2601-06	7-14-25-6	PP073812.D	15 Jul 2025 18:19	AR1254 Hit	YPIAJ	Ok
26	Q2507-01	SU-04-7.3-2025	PP073813.D	15 Jul 2025 18:35		YPIAJ	Ok,M
27	Q2592-01	WC-SOIL-20250711	PP073814.D	15 Jul 2025 18:52		YPIAJ	Ok,M
28	Q2595-01	CHRT-24849	PP073815.D	15 Jul 2025 19:08	AR1260+1254 Hit	YPIAJ	Ok
29	Q2600-01	TRENCH	PP073816.D	15 Jul 2025 19:24	AR1260+1254 Hit	YPIAJ	Ok,M
30	Q2600-05	STOCK-PILE	PP073817.D	15 Jul 2025 19:41	AR1260+1254 Hit	YPIAJ	Ok,M
31	Q2600-09	END-OF-TRENCH	PP073818.D	15 Jul 2025 19:57	AR1254 Hit	YPIAJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP073819.D	15 Jul 2025 21:02	AR1260-2 Low in 1st column	YPIAJ	Ok
33	AR1242CCC500	AR1242CCC500	PP073820.D	15 Jul 2025 21:52		YPIAJ	Ok
34	AR1248CCC500	AR1248CCC500	PP073821.D	15 Jul 2025 22:08		YPIAJ	Ok
35	AR1254CCC500	AR1254CCC500	PP073822.D	15 Jul 2025 22:24		YPIAJ	Ok
36	I.BLK	I.BLK	PP073823.D	15 Jul 2025 22:41		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP071525

Review By	yogesh	Review On	7/15/2025 11:21:15 AM
Supervise By	mohammad	Supervise On	7/19/2025 3:19:57 AM
SubDirectory	PP071525	HP Acquire Method	HP Processing Method PP070825
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	Q2598-01	OK-01-071425	PP073824.D	15 Jul 2025 22:57		YPIAJ	Ok,M
38	Q2598-01MS	OK-01-071425MS	PP073825.D	15 Jul 2025 23:13		YPIAJ	Ok,M
39	Q2598-01MSD	OK-01-071425MSD	PP073826.D	15 Jul 2025 23:30		YPIAJ	Ok,M
40	Q2587-01	E-2257	PP073827.D	15 Jul 2025 23:46		YPIAJ	Ok,M
41	Q2587-02	F-2258	PP073828.D	16 Jul 2025 00:03		YPIAJ	Ok,M
42	Q2587-03	O-2267	PP073829.D	16 Jul 2025 00:19		YPIAJ	Ok,M
43	Q2597-01	CHRT-26899	PP073830.D	16 Jul 2025 00:35	AR1254 Hit , Need 20x dilution	YPIAJ	Dilution
44	PB168869BL	PB168869BL	PP073831.D	16 Jul 2025 00:52		YPIAJ	Ok
45	PB168869BS	PB168869BS	PP073832.D	16 Jul 2025 01:09		YPIAJ	Ok
46	Q2607-01	VNJ-257-1	PP073833.D	16 Jul 2025 01:26	AR1248 Hit	YPIAJ	Ok
47	AR1660CCC500	AR1660CCC500	PP073834.D	16 Jul 2025 04:09	AR1260-2 Low in 1st column	YPIAJ	Ok,M
48	AR1242CCC500	AR1242CCC500	PP073835.D	16 Jul 2025 04:42		YPIAJ	Ok
49	AR1248CCC500	AR1248CCC500	PP073836.D	16 Jul 2025 04:59		YPIAJ	Ok
50	AR1254CCC500	AR1254CCC500	PP073837.D	16 Jul 2025 05:15		YPIAJ	Ok
51	I.BLK	I.BLK	PP073838.D	16 Jul 2025 05:31		YPIAJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/16/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136481

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
Q2592-01	WC-SOIL-20250711	1	1.15	10.84	11.99	9.46	76.7	
Q2605-01	V908	2	1.13	10.70	11.83	11.13	93.5	
Q2605-02	VB16135	3	1.14	10.66	11.8	11.09	93.3	
Q2605-03	VB15061	4	1.18	10.55	11.73	10.99	93.0	
Q2605-04	V897	5	1.17	10.79	11.96	11.76	98.1	
Q2607-01	VNJ-257-1	6	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2607-02	VNJ-257-2	7	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2607-03	ETGI-359-1	8	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2607-04	ETGI-359-2	9	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2608-04	60271	10	1.14	10.65	11.79	9.61	79.5	
Q2609-01	710-ABC	11	1.18	10.37	11.55	11.5	99.5	
Q2609-03	710-C	12	1.13	10.29	11.42	11.37	99.5	
Q2609-05	709-AB	13	1.16	10.26	11.42	11.39	99.7	
Q2609-07	709-A	14	1.14	10.28	11.42	11.4	99.8	
Q2610-01	2010	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2610-02	2011	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2610-03	2012	17	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2610-04	2013	18	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2610-05	2014	19	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2611-01	EO-02-071525	20	1.16	10.17	11.33	10.83	95.1	
Q2611-02	EO-02-071525-E2	21	1.14	10.39	11.53	10.68	91.8	
Q2612-01	OR-02-071525	22	1.18	10.49	11.67	10.1	85.0	
Q2612-02	OR-02-071525-E2	23	1.12	10.61	11.73	9.89	82.7	
Q2614-01	HR-MCN-COMP-01	24	1.15	10.70	11.85	9.61	79.1	
Q2614-02	HR-MCN-VOC-01	25	1.15	10.29	11.44	9.14	77.6	
Q2614-03	HR-MCN-01	26	1.11	10.71	11.82	9.35	76.9	
Q2614-04	HR-MCN-02	27	1.19	10.40	11.59	8.94	74.5	
Q2614-05	HR-MCN-03	28	1.14	10.58	11.72	9.89	82.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

8136481

WorkList Name : %1-071525

WorkList ID : 190721

Department : Wet-Chemistry

Date : 07-15-2025 08:40:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2592-01	WC-SOIL-20250711	Solid	Percent Solids	Cool 4 deg C	PARS02	D51	07/11/2025	Chemtech -SO
Q2605-01	V908	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2605-02	VB16135	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2605-03	VB15061	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2605-04	V897	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2607-01	VNJ-257-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2607-02	VNJ-257-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2607-03	ETGI-359-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2607-04	ETGI-359-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2608-04	60271	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2609-01	710-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2609-03	710-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2609-05	709-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2609-07	709-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-01	2010	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-02	2011	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-03	2012	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-04	2013	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2610-05	2014	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2611-01	EO-02-071525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/15/2025	Chemtech -SO
Q2611-02	EO-02-071525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/15/2025	Chemtech -SO

Date/Time 07-15-25 13:15

Raw Sample Received by: SWC

Raw Sample Relinquished by: SWC

Date/Time 07-15-25

Raw Sample Received by: SWC

Raw Sample Relinquished by: SWC

WORKLIST(Hardcopy Internal Chain)

136481

WorkList Name : %1-071525

WorkList ID : 190721

Department : Wet-Chemistry

Date : 07-15-2025 08:40:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2612-01	OR-02-071525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/15/2025	Chemtech -SO
Q2612-02	OR-02-071525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	07/15/2025	Chemtech -SO
Q2614-01	HR-MCN-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2614-02	HR-MCN-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2614-03	HR-MCN-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2614-04	HR-MCN-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO
Q2614-05	HR-MCN-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	07/15/2025	Chemtech -SO

Date/Time 07-15-25 15:15
Raw Sample Received by: SO WOC
Raw Sample Relinquished by: SO WOC

Date/Time 07-15-25 17:30
Raw Sample Received by: SO WOC
Raw Sample Relinquished by: SO WOC

SOP ID: M3541-ASE Extraction-14
Clean Up SOP #: Acid Cleanup
Matrix : Solid
Weigh By: EH
Balance check: RJ
Balance ID: EX-SC-2
pH Strip Lot#: N/A
Extraction Method: ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Extraction By: RJ
Filter By: RJ
pH Meter ID: N/A
Hood ID: 3,7

Extraction Start Date : 07/15/2025
Extraction Start Time : 08:40
Extraction End Date : 07/15/2025
Extraction End Time : 11:55
Concentration By: EH
Supervisor By : RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24650
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2624
Hexane	N/A	E3950
H2SO4 1:1	N/A	EP2610
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723, Q2587-01,02,03 used Limited volume as samples are oil.

KD Bath ID: N/A
KD Bath Temperature: N/A
Envap ID: NEVAP-02
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/15/25 12:00	ES (Ext Lab)	Y-Peltir Q3
	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 07/15/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168852BL	ABLK852	PCB	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168852BS	ALCS852	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2507-01	SU-04-07032025	PCB	30.05	N/A	ritesh	Evelyn	10			3
Q2587-01	E-2257	PCB	1.03	N/A	ritesh	Evelyn	10		Oil	
Q2587-02	F-2258	PCB	1.06	N/A	ritesh	Evelyn	10		Oil	
Q2587-03	O-2267	PCB	1.08	N/A	ritesh	Evelyn	10		Oil	
Q2592-01	WC-SOIL-20250711	PCB Group1	30.08	N/A	ritesh	Evelyn	10	E		4
Q2595-01	CHRT-24849	PCB	30.03	N/A	ritesh	Evelyn	10	D	Gel Mat.	5
Q2597-01	CHRT-26899	PCB	30.04	N/A	ritesh	Evelyn	10	D		6
Q2598-01	OK-01-071425	PCB	30.06	N/A	ritesh	Evelyn	10	E		U3-1
Q2598-01MS	OK-01-071425MS	PCB	30.07	N/A	ritesh	Evelyn	10	E		2
Q2598-01MS D	OK-01-071425MSD	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q2600-01	TRENCH	PCB	30.04	N/A	ritesh	Evelyn	10	D		4
Q2600-05	STOCK-PILE	PCB	30.05	N/A	ritesh	Evelyn	10	D		5
Q2600-09	END-OF-TRENCH	PCB	30.01	N/A	ritesh	Evelyn	10	D		6

* Extracts relinquished on the same date as received.

R3
7/15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2595 WorkList ID : 190722 Department : Extraction Date : 07-15-2025 08:24:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2587-01	E-2257	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/11/2025	8082A
Q2587-02	F-2258	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/11/2025	8082A
Q2587-03	O-2267	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/11/2025	8082A
Q2592-01	WC-SOIL-20250711	Solid	PCB Group1	Cool 4 deg C	PARS02	D51	07/11/2025	8082A
Q2595-01	CHRT-24849	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/14/2025	8082A
Q2597-01	CHRT-26899	Solid	PCB	Cool 4 deg C	PSEG03	D31	07/14/2025	8082A
Q2598-01	OK-01-071425	Solid	PCB	Cool 4 deg C	PSEG05	D41	07/14/2025	8082A
Q2600-01	TRENCH	Solid	PCB	Cool 4 deg C	TACO01	D41	07/14/2025	8082A
Q2600-05	STOCK-PILE	Solid	PCB	Cool 4 deg C	TACO01	D41	07/14/2025	8082A
Q2600-09	END-OF-TRENCH	Solid	PCB	Cool 4 deg C	TACO01	D41	07/14/2025	8082A

Date/Time 07/15/25 8:35
Raw Sample Received by: RS (EAT-66b)
Raw Sample Relinquished by: OP 8

Date/Time 07/15/25 8:50
Raw Sample Received by: CP 8
Raw Sample Relinquished by: RS (EAT-66b)

Prep Standard - Chemical Standard Summary

Order ID : Q2592

Test : PCB Group1

Prepbatch ID : PB168852,

Sequence ID/Qc Batch ID: pp071525,

Standard ID :

EP2610,EP2613,EP2624,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24650,PP24663,

Chemical ID :

E3551,E3804,E3877,E3932,E3933,E3940,E3944,E3950,E3951,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12950,P12957,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13786,P13830,P13878,P13883,W3112,W3177,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025
<u>FROM</u>	1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025
<u>FROM</u> 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2624	06/26/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 06/26/2025
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025
<u>FROM</u> 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
213	AR1221 1000 PPB WORKING SOLUTION	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
215	AR1242 1000 PPB WORKING STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
217	AR1254 1000 PPB WORKING STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1532	AR1268 1000 PPB Working Solution	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1887	AR1232 1000 PPB Working Sol. 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1890	AR1248 1000 PPB Working Sol. 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1893	AR1254 1000 PPB Working Sol. 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24650	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 0.50000ml of P12950 + 99.50000ml of E3940 = Final Quantity: 100.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025
<u>FROM</u> 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	12/16/2025	06/16/2025 / Abdul	12/20/2023 / Yogesh	P12950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Aroclor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177



**PRODUCTOS
QUÍMICOS
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CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
------	---------------	--------

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

Harout Sahagian **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™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**TM



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) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3933



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™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP on 6/11/25

E3940

J. Croak

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Recd on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



MG157
MS

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 ₂ SO 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 SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantor**™



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

Avantor Performance Materials LLC



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

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.

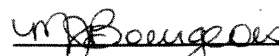
Expiration of Certification:

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:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED WEIGHT REPORT

Part Number: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent(
Aceton

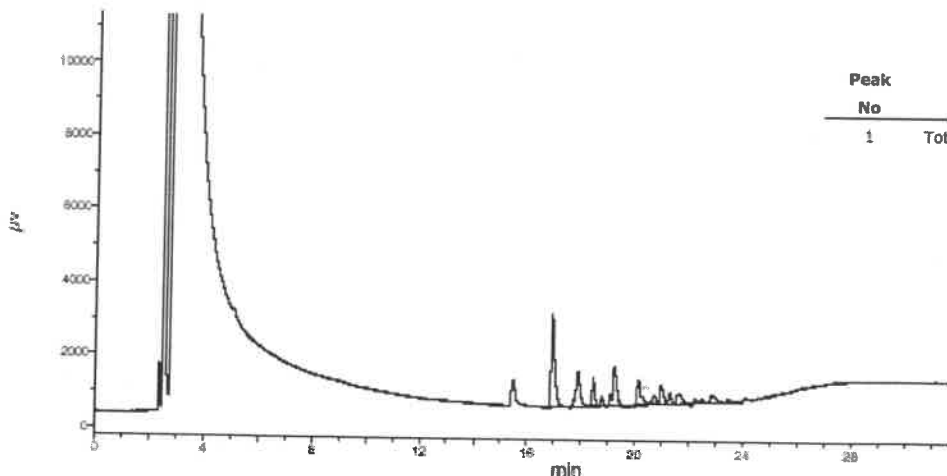
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc ($\mu\text{g/mL}$)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5 μm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5 μL , Range=3





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

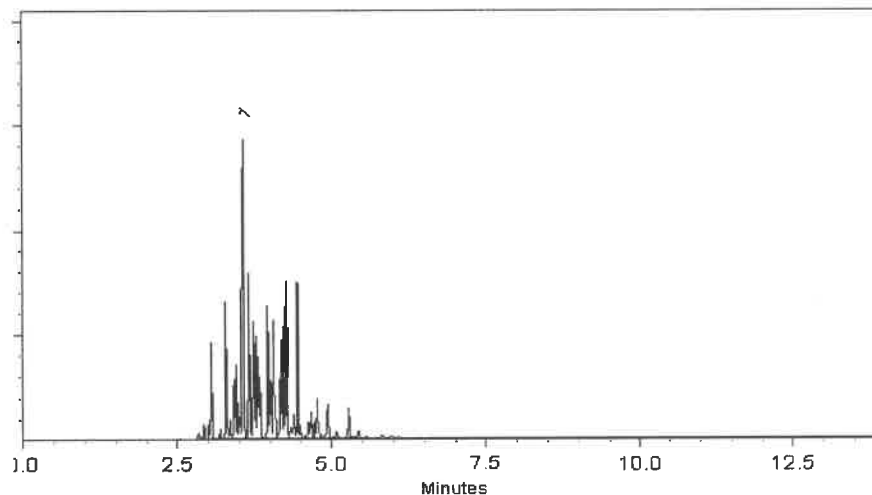
ECD

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

P12993
↓
P12997
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 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:

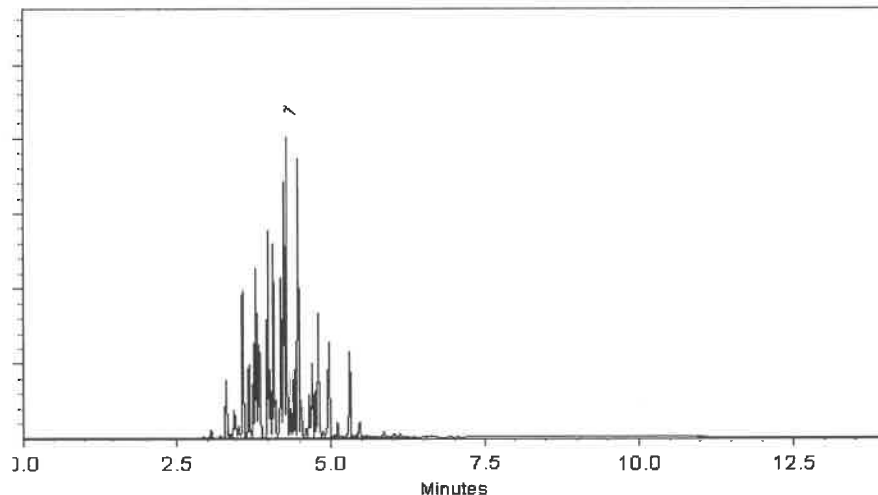
ECD

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



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

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

P12946
↓
P12955
YAP.
12/20/23

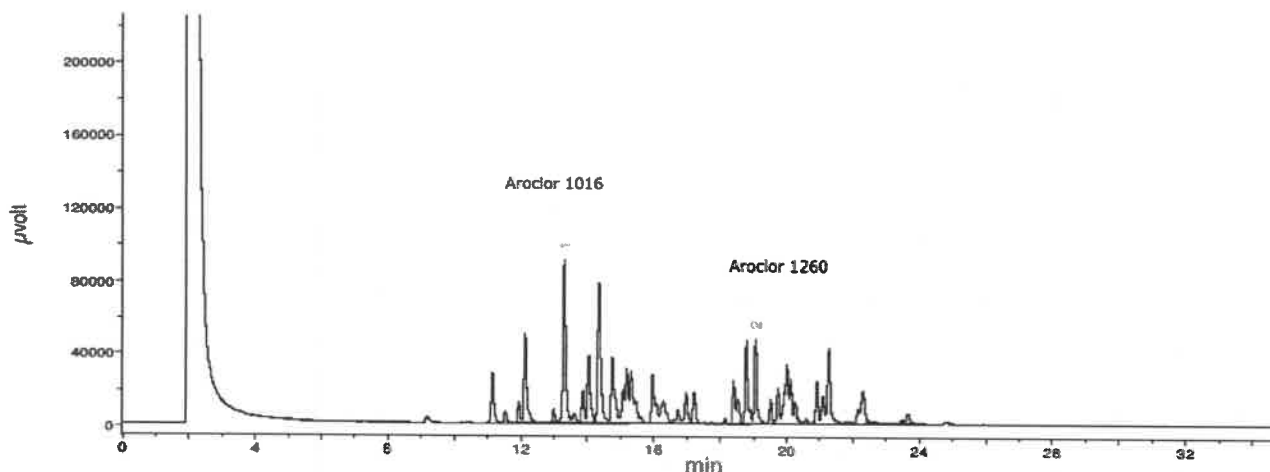
Weight(s) shown below were combined and diluted to (mL): 200.0
5E-05 Balance Uncertainty
0.010 Flask Uncertainty

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	ori-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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm 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





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

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

P12946
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P12955
YAP.
12/20/23

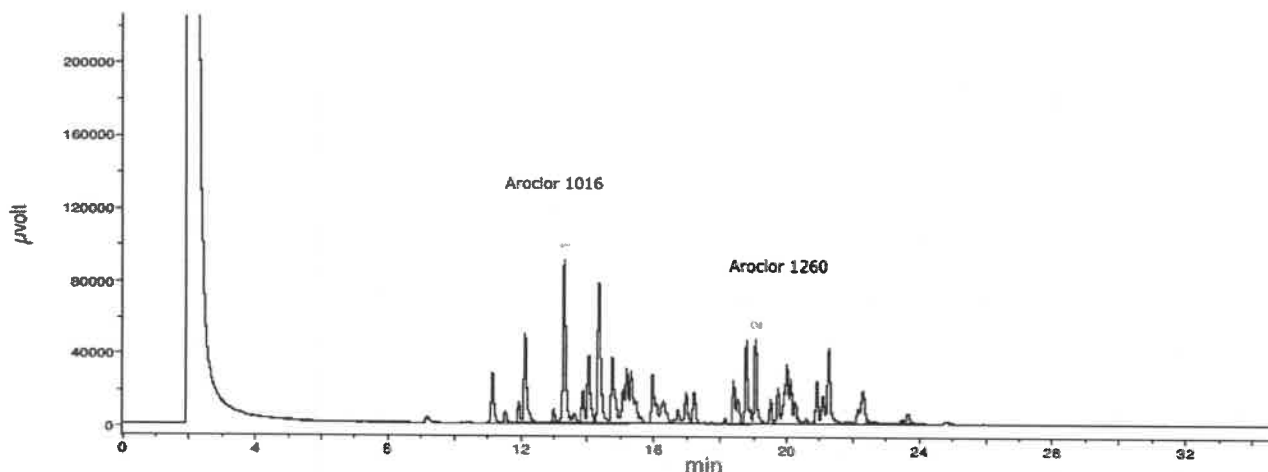
Weight(s) shown below were combined and diluted to (mL): 200.0
5E-05 Balance Uncertainty
0.010 Flask Uncertainty

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	ori-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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm 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





CERTIFIED WEIGHT REPORT

Part Number: **99139**
Lot Number: **121823**
Description: **Aroclor 1254**

Solvent(s):
Iso-octane
Lot#
82227

<i>Anthony Mahoney</i>		121823
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 } Y.P.
12/20/23
P12957 }

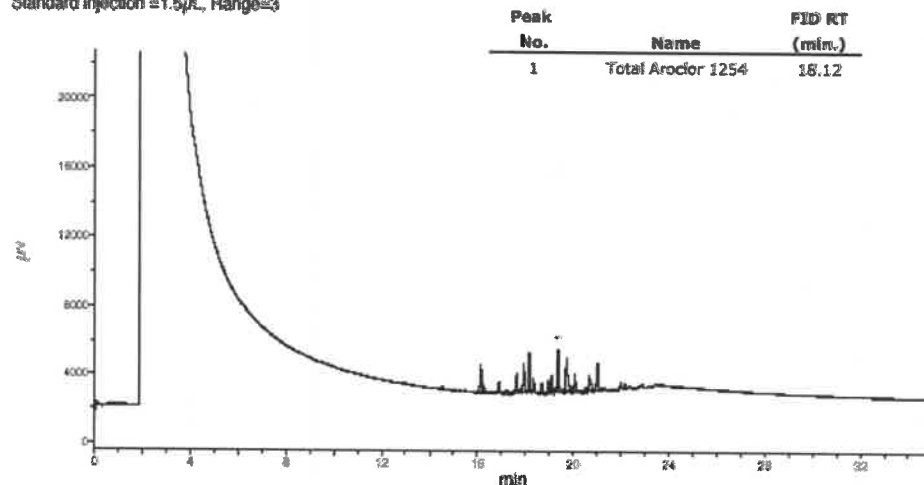
Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB
Volume(s) shown below were combined and diluted to (mL): 20.0
Note: Aroclor 1254 is a mix of isomers.

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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





110 Benner Circle
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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BAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

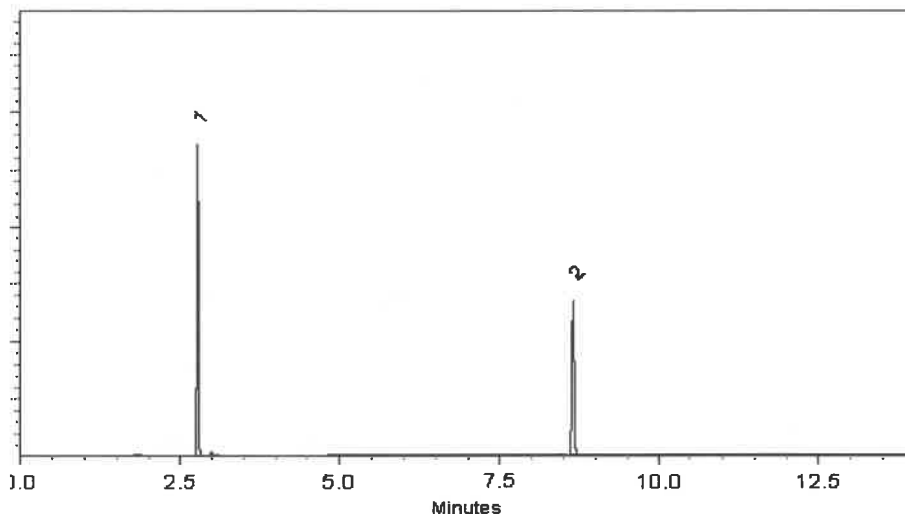
ECD

Split Vent:

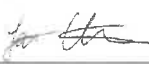
10 ml/min.

Inj. Vol

1µl

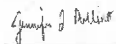


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

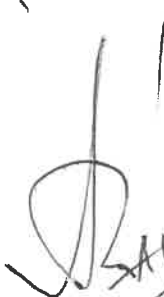
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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P 13357
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SAUF
04/25/2025

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/NCCL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

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P133F3

AJ
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Page: 1 of 2

CSD-QA-015.2

ISO 17025
Cert No. AT-1937



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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P 13381
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SAZU
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:

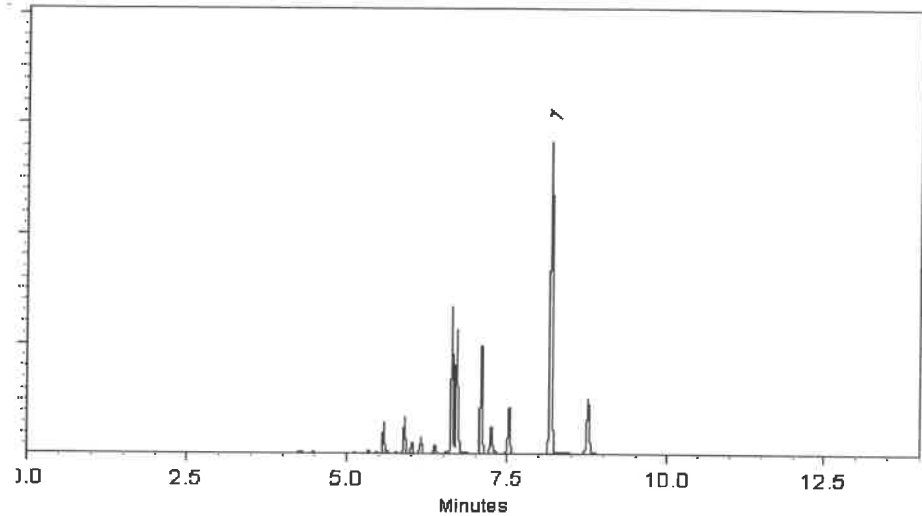
ECD

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
Michael Maye - Operations Tech I

Date Mixed: 06-Feb-2024

Balance Serial # B442140311

Dillon Murphy
Dillon Murphy - Operations Technician I

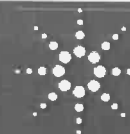
Date Passed: 09-Feb-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13380 } (2)
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[Signature]
05/6/2024

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1242	100.4	± 0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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10/14/24

ISO 17034



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 95T215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1248 Standard

Lot Number: 0006726317

Product Number: PP-342-1

Lot Issue Date: 27-Jan-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

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
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P13592

AS
10/14/2024

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

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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:

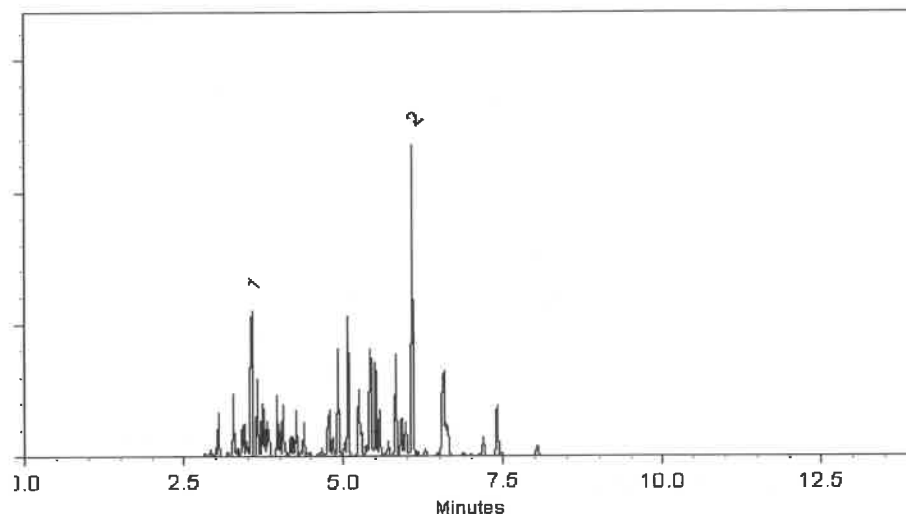
ECD

Split Vent:

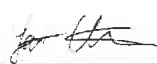
10 ml/min.

Inj. Vol

0.2µl

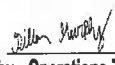


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

P13902
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:

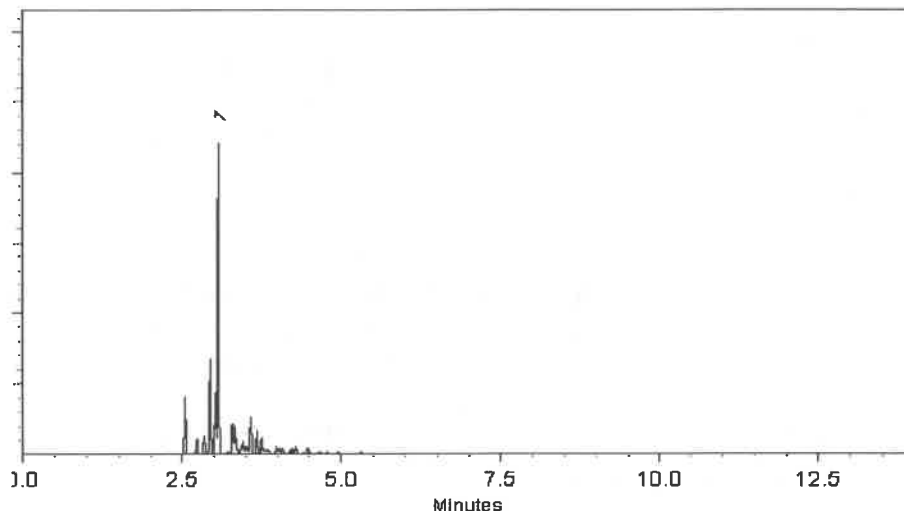
ECD

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
Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024

Balance Serial # 1128360905

Jennifer Pollino
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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

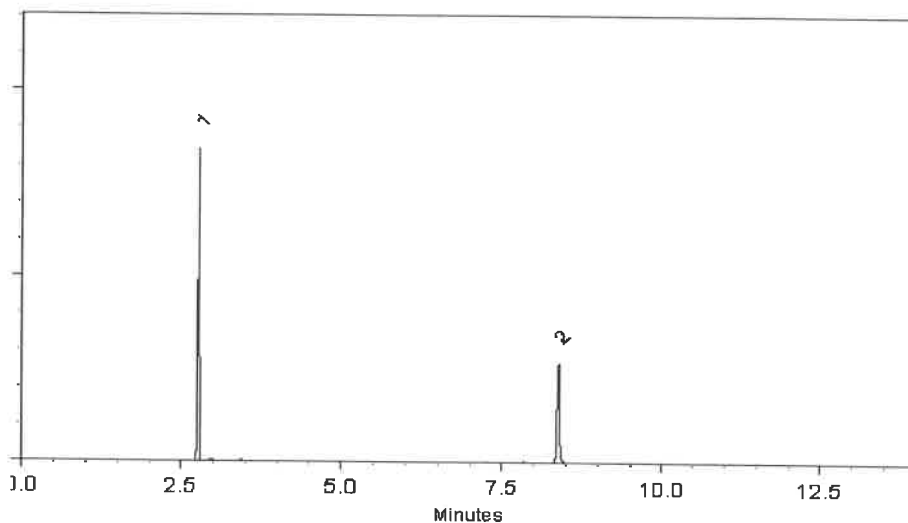
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

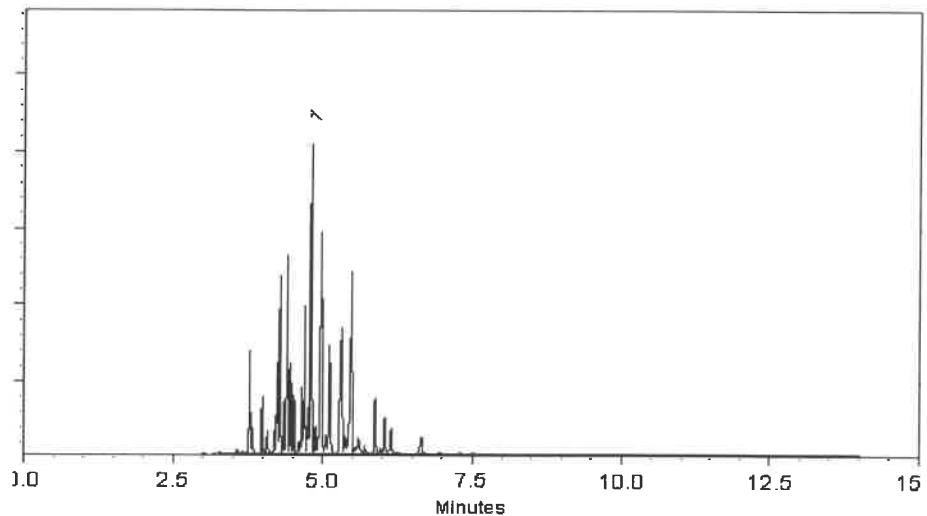
ECD

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
Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024

Balance Serial # C322230531

Jennifer Pollino
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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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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
↓
P13850

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:

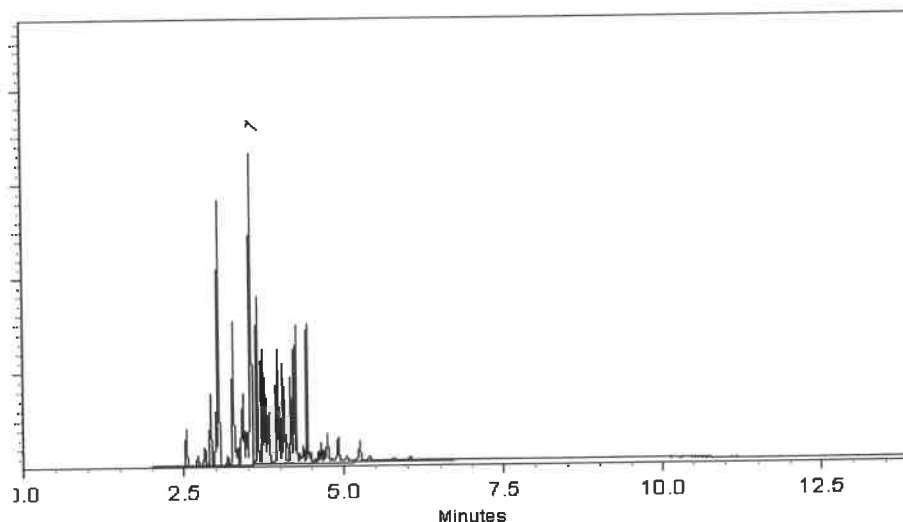
ECD

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
Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024

Balance Serial # C322230531

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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%

P13882

↓

P13883

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:

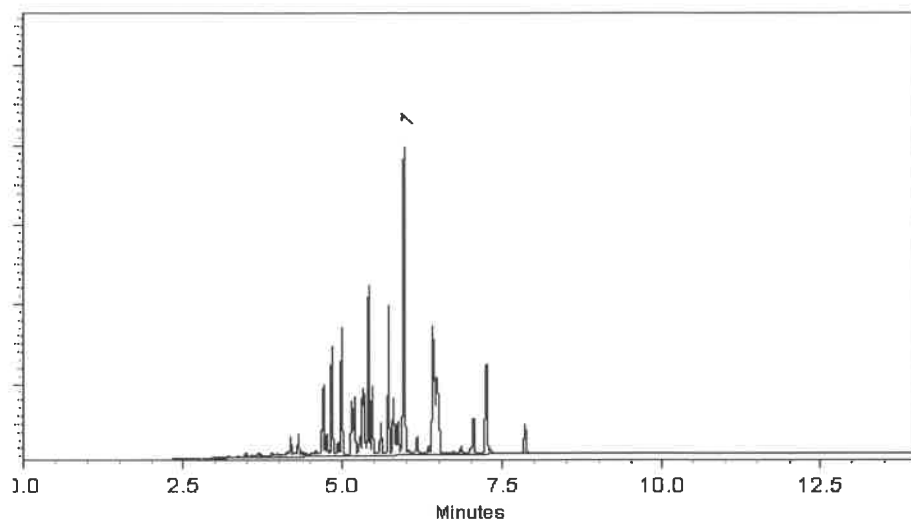
ECD

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™



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 ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.

QUOTE NO.

COC Number 2047546

Q 2592

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Parsons

ADDRESS: 301 Plainfield Road

CITY Syracuse STATE: NY ZIP: 13212

ATTENTION: Zohar Lavy

PHONE: (732) 796-5536 FAX: -

CLIENT PROJECT INFORMATION

PROJECT NAME: ConEd East River SI

PROJECT NO.: 454534 LOCATION: Manhattan

PROJECT MANAGER: Zohar Lavy

e-mail: Zohar.lavy@parsons.com

PHONE: (732) 796-5536 FAX: -

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#: 454534

ADDRESS: 301 Plainfield Road

CITY Syracuse STATE: NY ZIP: 13212

ATTENTION: Zohar Lavy PHONE: (732) 796-5536

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5-day rush DAYS*

HARDCOPY (DATA PACKAGE): DAYS*

EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data) ☐ Other

☐ EDD FORMAT

1. VOCs, SVOCs
2. TAL metals
3. PCBs, TPH
4. TAP WIS, TAP SVOCs
5. TCLP metals
6. TAP pest, TAP herb
7. Ignitability, reactivity
8. Corrosivity, pH
9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-Soil-20250711	S	X		7/11/25	1230	9	X	X	X	X	X	X	X	X	X	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. EMMA SAVER	DATE/TIME: 1440 7/11/25	RECEIVED BY: 1. [Signature] 1440 7-11-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: Include Zohar.lavy@parsons.com and Kirsten.valentin@parsons.com on all data
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1637 7-11-25	RECEIVED BY: 3.	
Page ____ of ____		CLIENT: ☐ Hand Delivered ☐ Other	Shipment Complete ☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2592 PARS02	Order Date : 7/11/2025 3:05:25 PM	Project Mgr :
Client Name : PARSONS Engineering of I	Project Name : Con Edison - East River Sit	Report Type : NYS ASP B
Client Contact : Zohar Lavy	Receive DateTime : 7/11/2025 12:00:00 AM 04:39:00 PM	EDD Type : NYSDEC EDD V-3
Invoice Name : PARSONS Engineering of I	Purchase Order :	Hard Copy Date :
Invoice Contact : Zohar Lavy		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2592-01	WC-SOIL-20250711	Solid	07/11/2025	12:30		VOCMS Group1	8260D		5 Bus. Days

DP 07/15/2025

Relinquished By : 

Date / Time : 7/14/25 0725

Received By : 

Date / Time : 07/14/25 10:00

Storage Area : VOA Refridgerator Room

SAMPLES RECEIVED ON 7/11/25 @ 1440
SAMPLES PLACED IN SM-REF-2

28#6
F22