

DATA PACKAGE GC SEMI-VOLATILES

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3376

ATTENTION : Rob Forstner



Laboratory Certification ID # 20012



1) PCB Data	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	12
9) QC Data Summary For PCB	13
9.1) Deuterated Monitoring Compound Summary	14
9.2) MS/MSD Summary	16
9.3) LCS/LCSD Summary	18
9.4) Method Blank Summary	19
10) Sample Data	20
10.1) PR132-S05-057082-20251016	21
10.2) PR132-DP01-20251016	28
10.3) PR132-COMP2-20251016	35
10.4) PR132-S12-047072-20251016	39
10.5) PR132-S12-020047-20251016	46
11) Calibration Data Summary	53
11.1) Initial Calibration Data	54
11.1.1) PQ101025	54
11.2) Continued Calibration Data	273
11.2.1) PQ071029.D	273
11.2.2) PQ071044.D	285
11.2.3) PQ071134.D	297
11.2.4) PQ071145.D	309
11.3) Analytical Seq	321
12) Compound Detection Summary	325
13) QC Sample Data	332
13.1) Method Blank Data	333
13.2) PIBLK Data	337
13.3) LCS Data	357
13.4) MS Data	366
13.5) MSD Data	375

Table Of Contents for Q3376

14) Manual Integration	384
15) Analytical Runlogs	388
16) Percent Solid	399
17) Extraction Logs	404
17.1) PB170178.pdf	404
17.2) PB170178IC.pdf	406
18) Standard Prep Logs	407
19) Shipping Document	499
19.1) Chain Of Custody	500
19.2) Lab Certificate	501
19.3) Internal COC	502

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

Cover Page

Order ID : Q3376

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3376-01
Q3376-02
Q3376-03
Q3376-04
Q3376-05
Q3376-07

Client Sample Number

PR132-S05-057082-20251016
PR132-DP01-20251016
PR132-COMP2-20251016
PR132-S12-047072-20251016
PR132-S12-020047-20251016
PR132-FB01-20251016

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: 10/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

AECOM

Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Project # N/A

Order ID # Q3376

Test Name: PCB

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/16/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

The 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



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

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_____

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3376

MATRIX: /Water

METHOD: 8082A/3541

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3376

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 Custody

✓

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: 10/29/2025

LAB CHRONICLE

OrderID:	Q3376	OrderDate:	10/17/2025 10:34:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	609937051719208 Soil, VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	PR132-S05-057082-2 0251016	SOIL			10/16/25			10/16/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-02	PR132-DP01-2025101 6	SOIL			10/16/25			10/16/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-03	PR132-COMP2-20251 016	SOIL			10/16/25			10/16/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-04	PR132-S12-047072-2 0251016	SOIL			10/16/25			10/16/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3376-05	PR132-S12-020047-2 0251016	SOIL			10/16/25			10/16/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q3376

Order ID: Q3376

Client: AECOM

Project ID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S05-057082-20251016								
Q3376-01	PR132-S05-057082-2(SOIL	Aroclor-1254		30.0	J	6.00	31.7	ug/kg
		Total Concentration:		30.000				
Client ID : PR132-DP01-20251016								
Q3376-02	PR132-DP01-2025101 SOIL	Aroclor-1254		29.2	J	6.00	31.7	ug/kg
		Total Concentration:		29.200				
Client ID : PR132-S12-047072-20251016								
Q3376-04	PR132-S12-047072-2(SOIL	Aroclor-1248		48.4		11.5	33.1	ug/kg
		Total Concentration:		48.400				
Client ID : PR132-S12-020047-20251016								
Q3376-05	PR132-S12-020047-2(SOIL	Aroclor-1248		10.7	J	8.90	25.4	ug/kg
		Total Concentration:		10.700				



QC SUMMARY

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

Surrogate Summary

SDG No.: Q3376

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PQ070972.D	PIBLK-PQ070972.D	Tetrachloro-m-xyl	1	20	18.3	91		60	140
		Decachlorobiphen	1	20	19.0	95		60	140
		Tetrachloro-m-xyl	2	20	19.1	96		60	140
		Decachlorobiphen	2	20	19.4	97		60	140
I.BLK-PQ071033.D	PIBLK-PQ071033.D	Tetrachloro-m-xyl	1	20	21.8	109		60	140
		Decachlorobiphen	1	20	24.8	124		60	140
		Tetrachloro-m-xyl	2	20	20.7	104		60	140
		Decachlorobiphen	2	20	24.5	123		60	140
PB170178BL	PB170178BL	Tetrachloro-m-xyl	1	20	26.1	130		32	144
		Decachlorobiphen	1	20	29.7	148		32	175
		Tetrachloro-m-xyl	2	20	23.8	119		32	144
		Decachlorobiphen	2	20	28.1	141		32	175
Q3376-01	PR132-S05-057082-20251016	Tetrachloro-m-xyl	1	20	19.8	99		32	144
		Decachlorobiphen	1	20	20.4	102		32	175
		Tetrachloro-m-xyl	2	20	17.9	89		32	144
		Decachlorobiphen	2	20	19.9	100		32	175
Q3376-02	PR132-DP01-20251016	Tetrachloro-m-xyl	1	20	17.3	86		32	144
		Decachlorobiphen	1	20	16.1	81		32	175
		Tetrachloro-m-xyl	2	20	15.2	76		32	144
		Decachlorobiphen	2	20	15.4	77		32	175
Q3376-03	PR132-COMP2-20251016	Tetrachloro-m-xyl	1	20	19.1	96		32	144
		Decachlorobiphen	1	20	17.4	87		32	175
		Tetrachloro-m-xyl	2	20	17.8	89		32	144
		Decachlorobiphen	2	20	16.2	81		32	175
Q3376-04	PR132-S12-047072-20251016	Tetrachloro-m-xyl	1	20	26.4	132		32	144
		Decachlorobiphen	1	20	27.1	135		32	175
		Tetrachloro-m-xyl	2	20	25.0	125		32	144
		Decachlorobiphen	2	20	26.6	133		32	175
Q3376-05	PR132-S12-020047-20251016	Tetrachloro-m-xyl	1	20	25.1	125		32	144
		Decachlorobiphen	1	20	21.9	109		32	175
		Tetrachloro-m-xyl	2	20	24.6	123		32	144
		Decachlorobiphen	2	20	21.6	108		32	175
Q3402-01MS	41-LAMS	Tetrachloro-m-xyl	1	20	23.0	115		32	144
		Decachlorobiphen	1	20	14.8	74		32	175
		Tetrachloro-m-xyl	2	20	20.9	104		32	144
		Decachlorobiphen	2	20	14.0	70		32	175
Q3402-01MSD	41-LAMSD	Tetrachloro-m-xyl	1	20	23.0	115		32	144
		Decachlorobiphen	1	20	14.4	72		32	175
		Tetrachloro-m-xyl	2	20	20.5	103		32	144
		Decachlorobiphen	2	20	13.7	68		32	175
I.BLK-PQ071048.D	PIBLK-PQ071048.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140

Surrogate Summary

SDG No.: Q3376

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PQ071048.D	PIBLK-PQ071048.D	Decachlorobiphen	1	20	22.3	112		60	140
		Tetrachloro-m-xyl	2	20	18.9	95		60	140
I.BLK-PQ071138.D	PIBLK-PQ071138.D	Decachlorobiphen	2	20	22.5	113		60	140
		Tetrachloro-m-xyl	1	20	21.4	107		60	140
		Decachlorobiphen	1	20	24.7	124		60	140
		Tetrachloro-m-xyl	2	20	19.5	98		60	140
PB170178BS	PB170178BS	Decachlorobiphen	2	20	23.6	118		60	140
		Tetrachloro-m-xyl	1	20	22.4	112		32	144
		Decachlorobiphen	1	20	25.7	129		32	175
		Tetrachloro-m-xyl	2	20	19.0	95		32	144
I.BLK-PQ071147.D	PIBLK-PQ071147.D	Decachlorobiphen	2	20	24.3	122		32	175
		Tetrachloro-m-xyl	1	20	20.9	105		60	140
		Decachlorobiphen	1	20	24.7	123		60	140
		Tetrachloro-m-xyl	2	20	19.4	97		60	140
		Decachlorobiphen	2	20	23.3	117		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3376</u>	Analytical Method:	<u>8082A</u>
Client:	<u>AECOM</u>	DataFile :	<u>PQ071042.D</u>

		Sample					Rec		RPD		Limits	
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3402-01MS	Client Sample ID:		41-LAMS								
	(Column 1)											
	AR1016	240.3	0	224	ug/kg	93				55	146	
	AR1260	240.3	0	183	ug/kg	76				54	119	
Lab Sample ID:	Q3402-01MS	Client Sample ID:		41-LAMS								
	(Column 2)											
	AR1016	240.3	0	199	ug/kg	83				55	146	
	AR1260	240.3	0	167	ug/kg	69				54	119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3376</u>	Analytical Method:	<u>8082A</u>
Client:	<u>AECOM</u>	DataFile :	<u>PQ071043.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3402-01MSD	Client Sample ID:		41-LAMSD							
(Column 1)											
AR1016	240.4	0	222	ug/kg	92		1		55	146	15
AR1260	240.4	0	179	ug/kg	74		3		54	119	15
Lab Sample ID:	Q3402-01MSD	Client Sample ID:		41-LAMSD							
(Column 2)											
AR1016	240.4	0	196	ug/kg	82		1		55	146	15
AR1260	240.4	0	164	ug/kg	68		1		54	119	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3376</u>	Analytical Method:	<u>8082A</u>
Client:	<u>AECOM</u>	Datafile :	<u>PQ071140.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170178BS (Column 1)	AR1016	166.5	183	ug/kg	110				71	120	
	AR1260	166.5	181	ug/kg	109				65	130	
PB170178BS (Column 2)	AR1016	166.5	150	ug/kg	90				71	120	
	AR1260	166.5	149	ug/kg	89				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170178BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Lab Sample ID: PB170178BL

Lab File ID: PQ071034.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/21/2025

Date Analyzed (1): 10/21/2025

Date Analyzed (2): 10/21/2025

Time Analyzed (1): 13:31

Time Analyzed (2): 13:31

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

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
PR132-S05-057082-20251016	Q3376-01	PQ071036.D	10/21/2025	10/21/2025
PR132-DP01-20251016	Q3376-02	PQ071037.D	10/21/2025	10/21/2025
PR132-COMP2-20251016	Q3376-03	PQ071038.D	10/21/2025	10/21/2025
PR132-S12-047072-20251016	Q3376-04	PQ071039.D	10/21/2025	10/21/2025
PR132-S12-020047-20251016	Q3376-05	PQ071040.D	10/21/2025	10/21/2025
41-LAMS	Q3402-01MS	PQ071042.D	10/21/2025	10/21/2025
41-LAMSD	Q3402-01MSD	PQ071043.D	10/21/2025	10/21/2025
PB170178BS	PB170178BS	PQ071140.D	10/24/2025	10/24/2025

COMMENTS: _____



SAMPLE DATA

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

Report of Analysis

Client: AECOM	Date Collected: 10/16/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/16/25	
Client Sample ID: PR132-S05-057082-20251016	SDG No.: Q3376	
Lab Sample ID: Q3376-01	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 53.5	
Sample Wt/Vol: 30.08 g Final Vol: 10000 uL	Test: PCB	
Prep Method: SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	31.7	U	1	7.40	31.7	ug/kg	10/21/25 14:00	PB170178
11104-28-2	Aroclor-1221	31.7	U	1	7.50	31.7	ug/kg	10/21/25 14:00	PB170178
11141-16-5	Aroclor-1232	31.7	U	1	6.90	31.7	ug/kg	10/21/25 14:00	PB170178
53469-21-9	Aroclor-1242	31.7	U	1	7.50	31.7	ug/kg	10/21/25 14:00	PB170178
12672-29-6	Aroclor-1248	31.7	U	1	11.0	31.7	ug/kg	10/21/25 14:00	PB170178
11097-69-1	Aroclor-1254	30.0	J	1	6.00	31.7	ug/kg	10/21/25 14:00	PB170178
37324-23-5	Aroclor-1262	31.7	U	1	9.40	31.7	ug/kg	10/21/25 14:00	PB170178
11100-14-4	Aroclor-1268	31.7	U	1	6.70	31.7	ug/kg	10/21/25 14:00	PB170178
11096-82-5	Aroclor-1260	31.7	U	1	6.00	31.7	ug/kg	10/21/25 14:00	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.8			32 - 144	99%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.4			32 - 175	102%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:00
Operator : YP\AJ
Sample : Q3376-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:44:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.777	85983098	90723681	19.765	17.859
2) SA Decachlor...	8.500	7.533	59332591	100.6E6	20.431	19.925
Target Compounds						
26) L6 AR-1254-1	5.297	4.543	4472598	23207039	22.787m	68.820m#
27) L6 AR-1254-2	5.506	4.675	17755590	31200561	61.124	104.998m#
28) L6 AR-1254-3	5.865	5.058	16363052	6924471	53.264	14.825m#
29) L6 AR-1254-4	6.137	5.284	5046924	5803277	22.989	19.655
30) L6 AR-1254-5	6.545	5.688	7520258	13789858	32.429	32.806

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:00
Operator : YP\AJ
Sample : Q3376-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

PR132-S05-057082-20251016

Manual Integrations

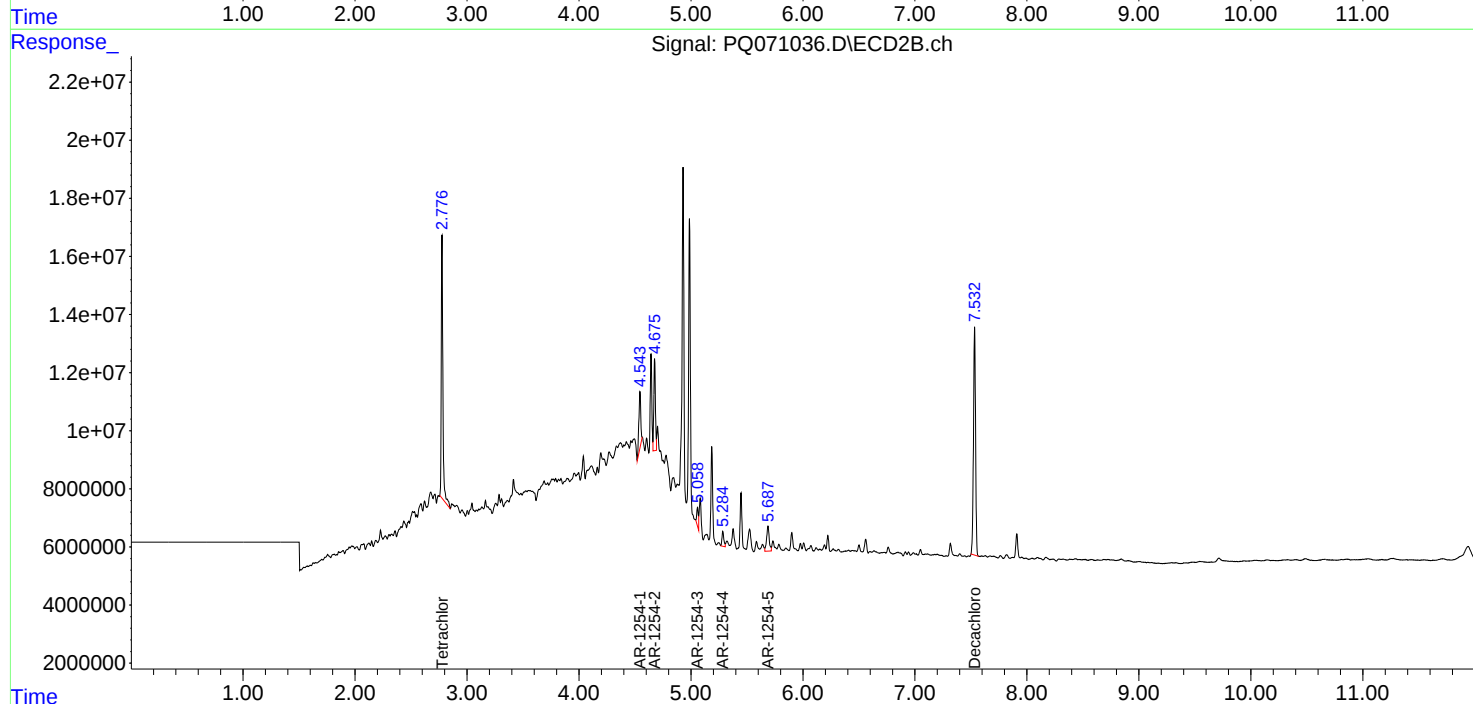
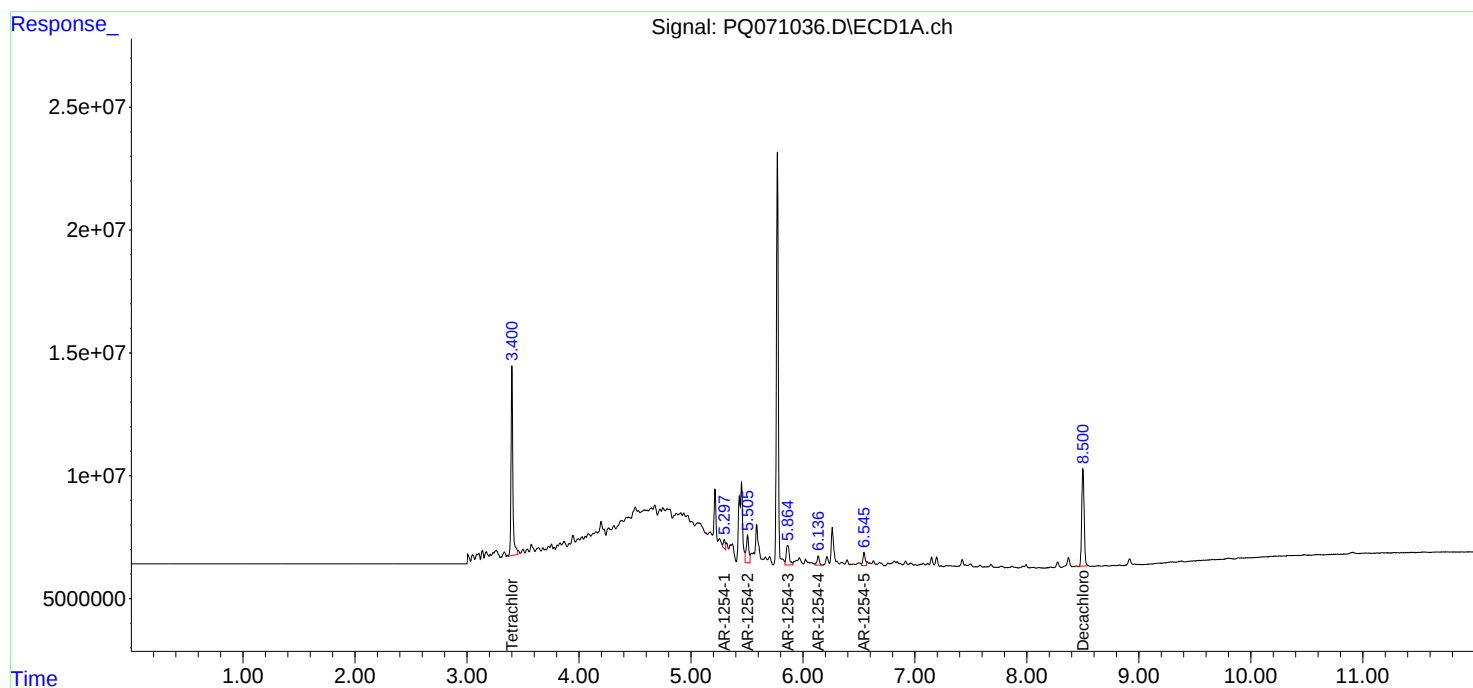
APPROVED

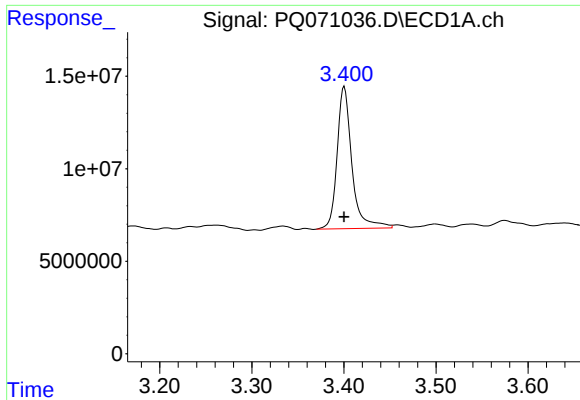
Reviewed By :Yogesh Patel 10/23/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:44:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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





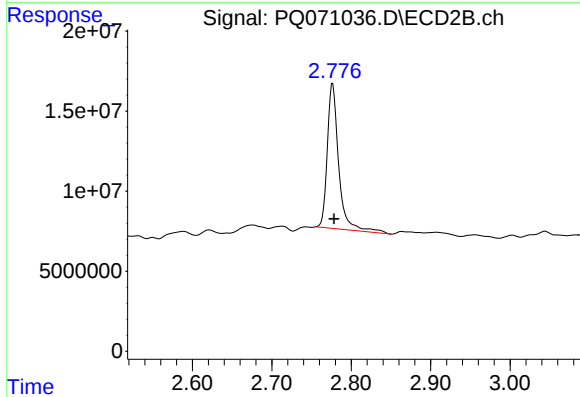
#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 85983098
Conc: 19.76 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S05-057082-20251016

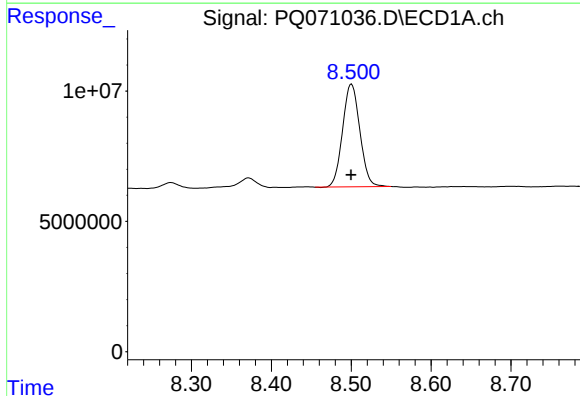
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025



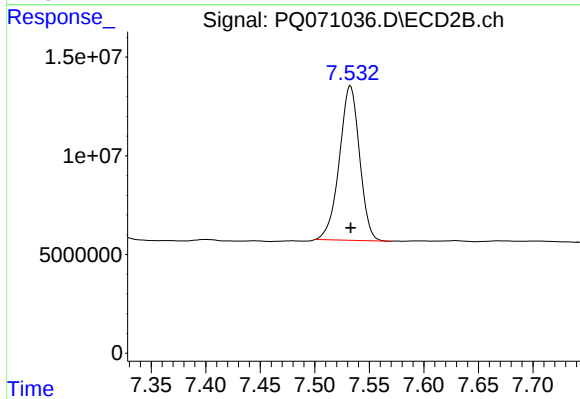
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: -0.002 min
Response: 90723681
Conc: 17.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 59332591
Conc: 20.43 ng/ml

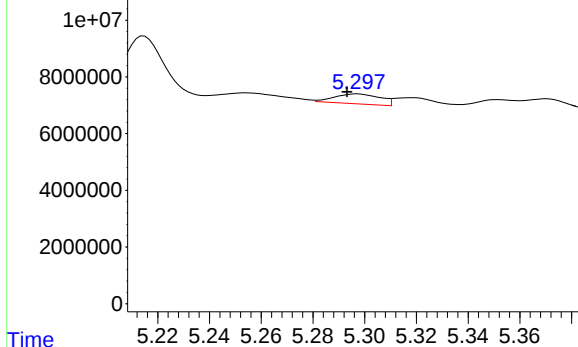


#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 100610473
Conc: 19.92 ng/ml

Response_ Signal: PQ071036.D\ECD1A.ch

#26 AR-1254-1



R.T.: 5.297 min
Delta R.T.: 0.003 min
Response: 4472598
Conc: 22.79 ng/ml

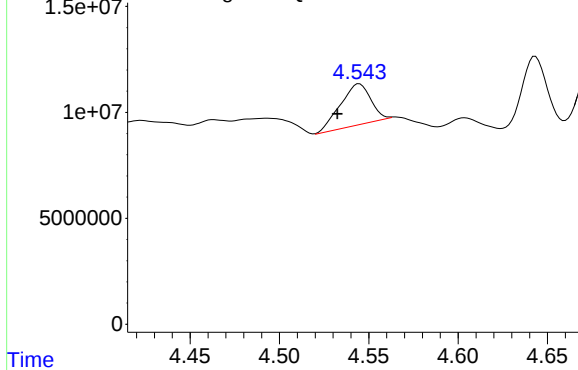
Instrument :
ECD_Q
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025

Time Response_ Signal: PQ071036.D\ECD2B.ch

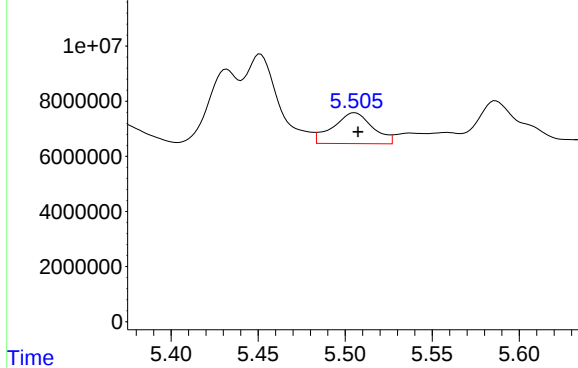
#26 AR-1254-1



R.T.: 4.543 min
Delta R.T.: 0.011 min
Response: 23207039
Conc: 68.82 ng/ml m

Time Response_ Signal: PQ071036.D\ECD1A.ch

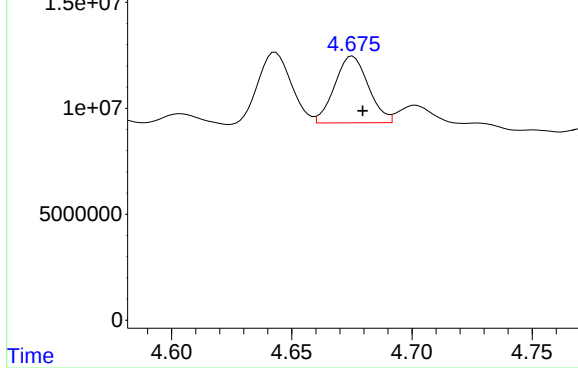
#27 AR-1254-2



R.T.: 5.506 min
Delta R.T.: -0.002 min
Response: 17755590
Conc: 61.12 ng/ml

Time Response_ Signal: PQ071036.D\ECD2B.ch

#27 AR-1254-2



R.T.: 4.675 min
Delta R.T.: -0.005 min
Response: 31200561
Conc: 105.00 ng/ml m

Response_ Signal: PQ071036.D\ECD1A.ch

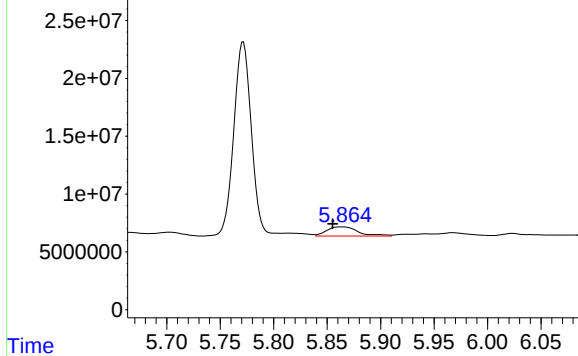
#28 AR-1254-3

R.T.: 5.865 min
Delta R.T.: 0.010 min
Response: 16363052
Conc: 53.26 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

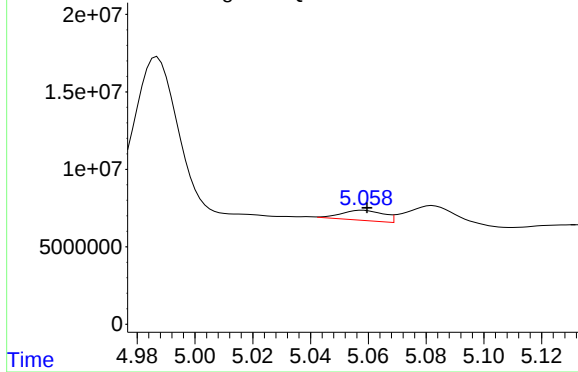
Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025



Time Response_ Signal: PQ071036.D\ECD2B.ch

#28 AR-1254-3

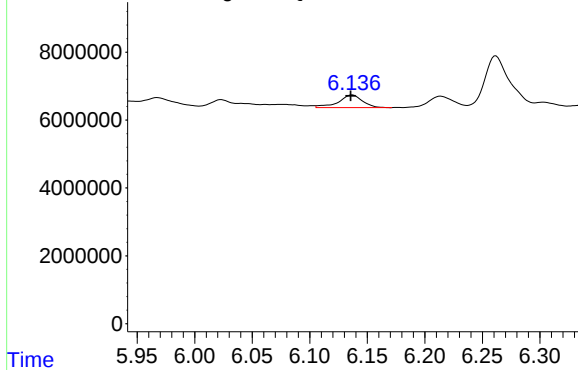
R.T.: 5.058 min
Delta R.T.: -0.001 min
Response: 6924471
Conc: 14.83 ng/ml m



Time Response_ Signal: PQ071036.D\ECD1A.ch

#29 AR-1254-4

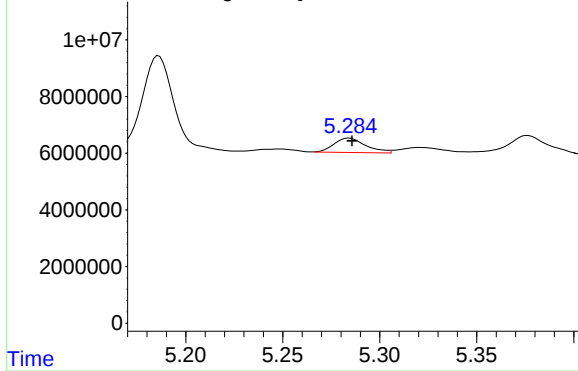
R.T.: 6.137 min
Delta R.T.: 0.001 min
Response: 5046924
Conc: 22.99 ng/ml

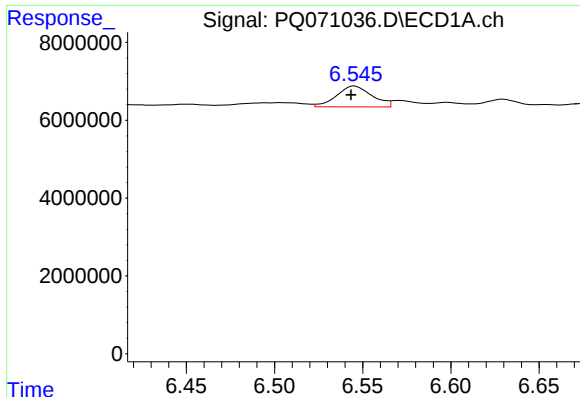


Time Response_ Signal: PQ071036.D\ECD2B.ch

#29 AR-1254-4

R.T.: 5.284 min
Delta R.T.: -0.001 min
Response: 5803277
Conc: 19.66 ng/ml





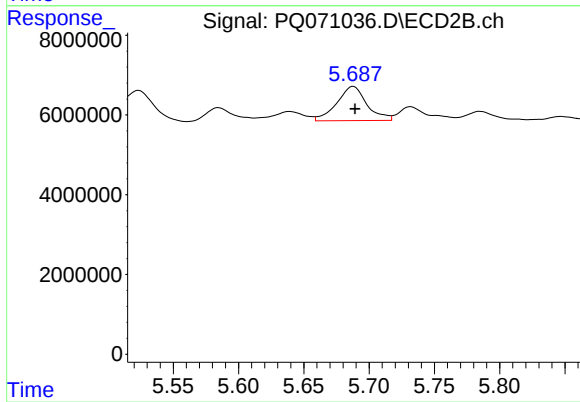
#30 AR-1254-5

R.T.: 6.545 min
Delta R.T.: 0.002 min
Response: 7520258
Conc: 32.43 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025



#30 AR-1254-5

R.T.: 5.688 min
Delta R.T.: -0.001 min
Response: 13789858
Conc: 32.81 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/16/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/16/25	
Client Sample ID: PR132-DP01-20251016	SDG No.: Q3376	
Lab Sample ID: Q3376-02	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 53.6	
Sample Wt/Vol: 30.04 g	Test: PCB	Final Vol: 10000 uL
Prep Method: SW3541B	Prep Date: 10/21/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	31.7	U	1	7.40	31.7	ug/kg	10/21/25 14:15	PB170178
11104-28-2	Aroclor-1221	31.7	U	1	7.50	31.7	ug/kg	10/21/25 14:15	PB170178
11141-16-5	Aroclor-1232	31.7	U	1	6.90	31.7	ug/kg	10/21/25 14:15	PB170178
53469-21-9	Aroclor-1242	31.7	U	1	7.50	31.7	ug/kg	10/21/25 14:15	PB170178
12672-29-6	Aroclor-1248	31.7	U	1	11.0	31.7	ug/kg	10/21/25 14:15	PB170178
11097-69-1	Aroclor-1254	29.2	J	1	6.00	31.7	ug/kg	10/21/25 14:15	PB170178
37324-23-5	Aroclor-1262	31.7	U	1	9.40	31.7	ug/kg	10/21/25 14:15	PB170178
11100-14-4	Aroclor-1268	31.7	U	1	6.70	31.7	ug/kg	10/21/25 14:15	PB170178
11096-82-5	Aroclor-1260	31.7	U	1	6.00	31.7	ug/kg	10/21/25 14:15	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.3			32 - 144	86%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.1			32 - 175	81%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
 Data File : PQ071037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 14:15
 Operator : YP\AJ
 Sample : Q3376-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 PR132-DP01-20251016

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2025
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 17:09:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Oct 11 01:55:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.776	75192371	77025577	17.284	15.162m
2) SA Decachlor...	8.500	7.533	46879264	77913049	16.143	15.430
Target Compounds						
26) L6 AR-1254-1	5.295	4.544	3845555	23449674	19.592m	69.540m#
27) L6 AR-1254-2	5.505	4.675	16710626	24545353	57.527	82.601m#
28) L6 AR-1254-3	5.860	5.059	15542308	12323332	50.592	26.385 #
29) L6 AR-1254-4	6.136	5.285	5382309	6518870	24.516	22.079
30) L6 AR-1254-5	6.545	5.688	8610529	14332319	37.131	34.096

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:15
Operator : YP\AJ
Sample : Q3376-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

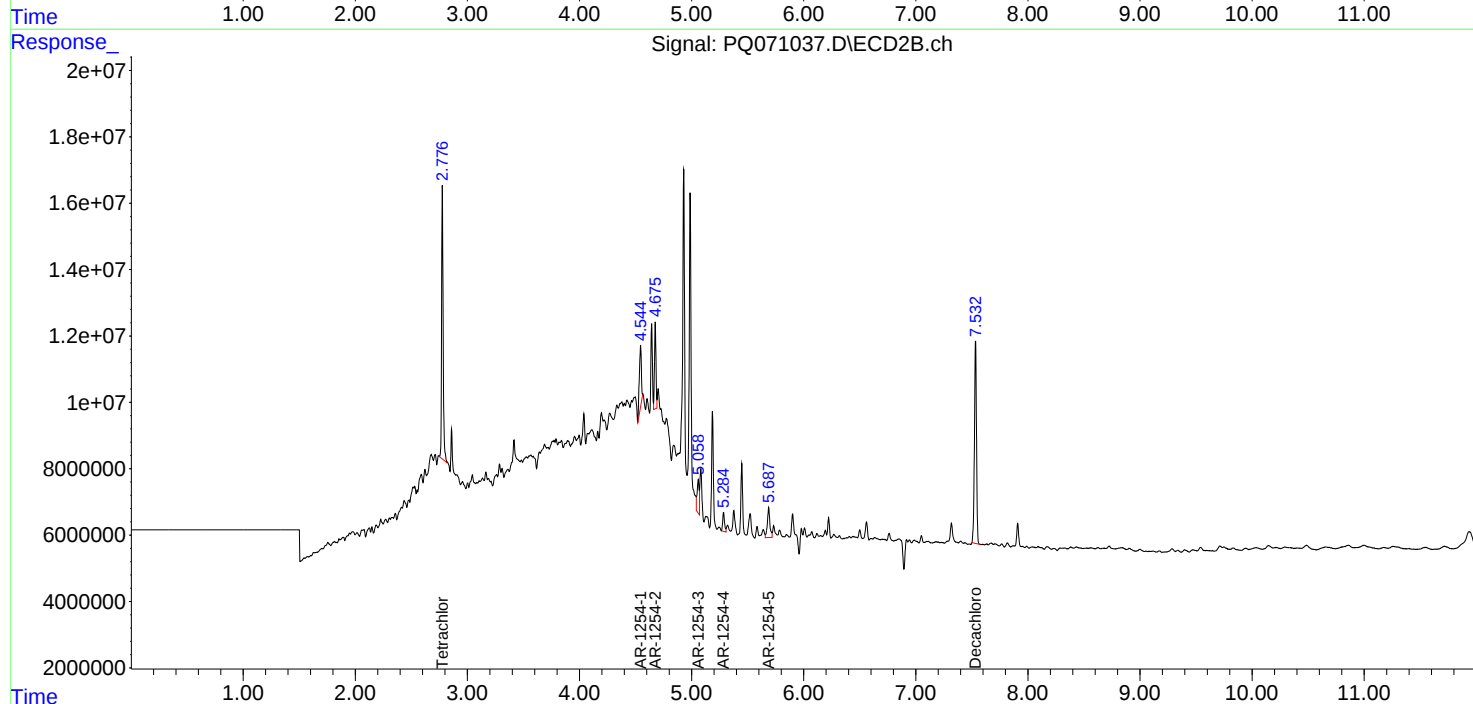
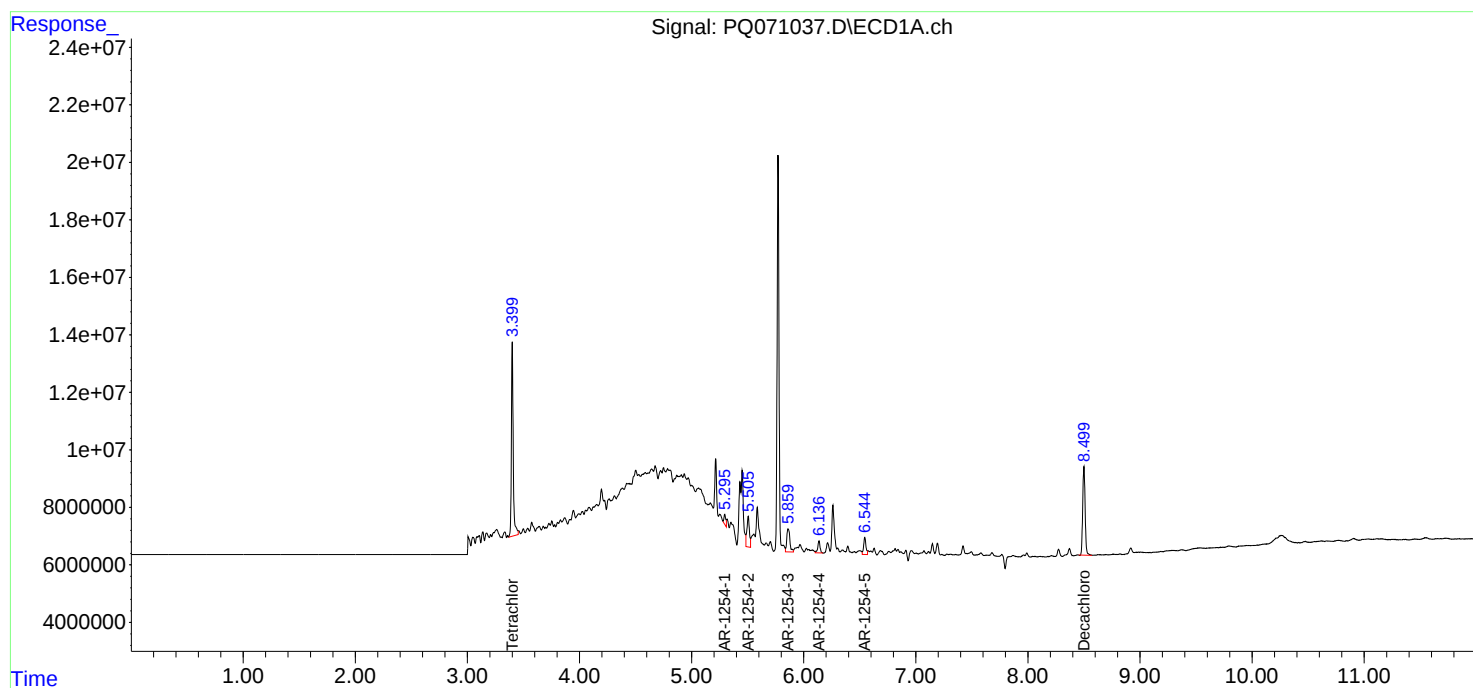
Instrument :
ECD_Q
ClientSampleId :
PR132-DP01-20251016

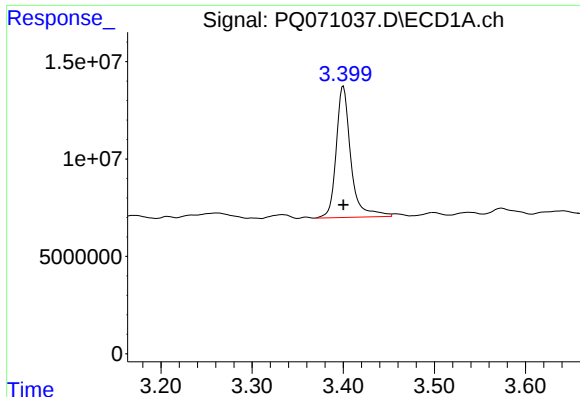
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 17:09:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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





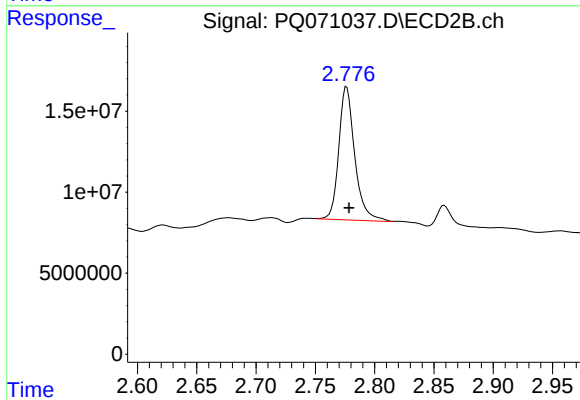
#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 75192371
Conc: 17.28 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-DP01-20251016

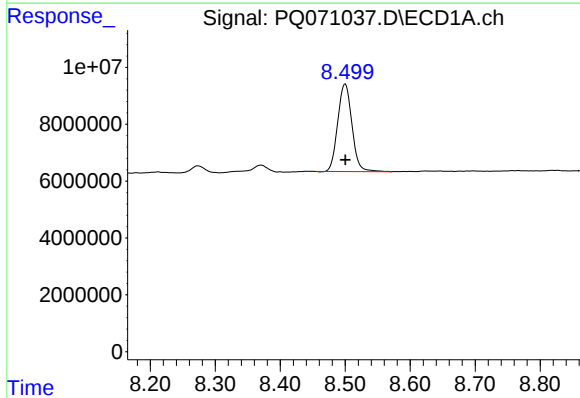
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025



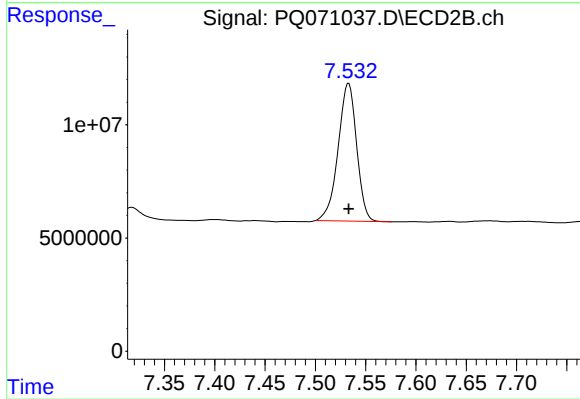
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.003 min
Response: 77025577
Conc: 15.16 ng/ml m



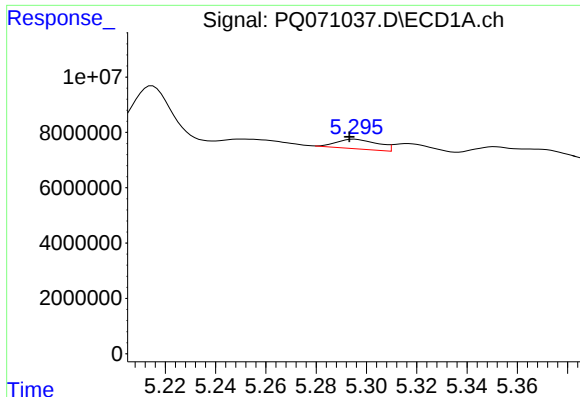
#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 46879264
Conc: 16.14 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 77913049
Conc: 15.43 ng/ml



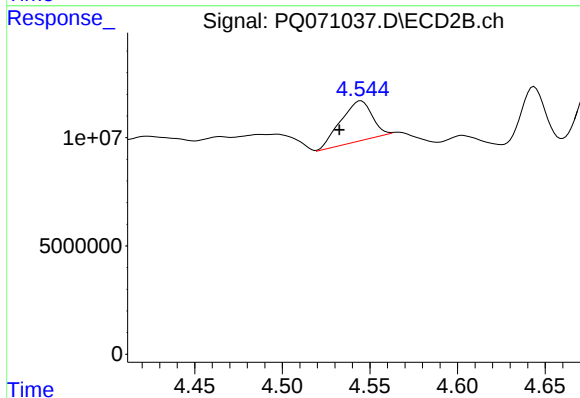
#26 AR-1254-1

R.T.: 5.295 min
Delta R.T.: 0.002 min
Response: 3845555
Conc: 19.59 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-DP01-20251016

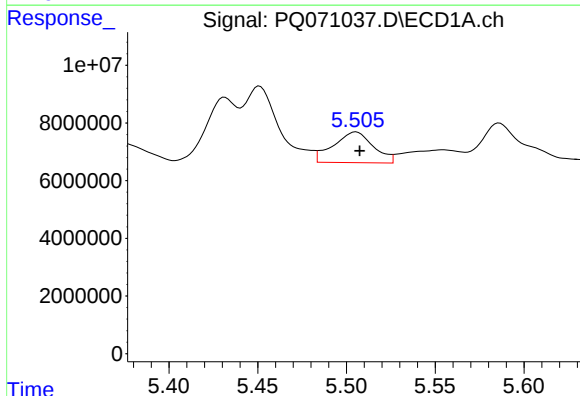
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025



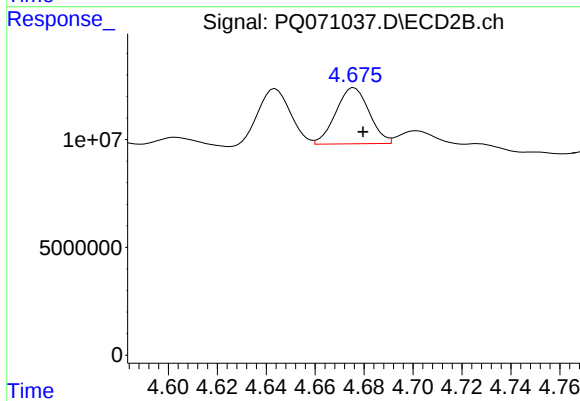
#26 AR-1254-1

R.T.: 4.544 min
Delta R.T.: 0.012 min
Response: 23449674
Conc: 69.54 ng/ml m



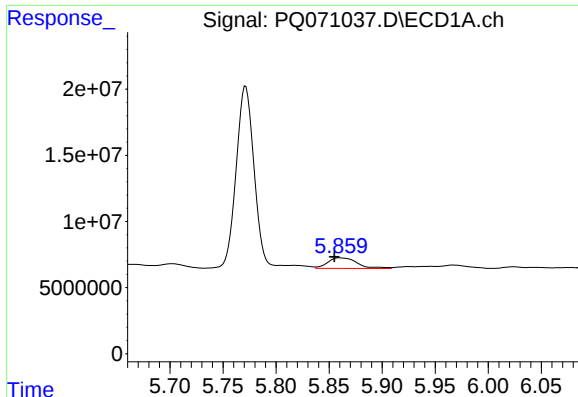
#27 AR-1254-2

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 16710626
Conc: 57.53 ng/ml



#27 AR-1254-2

R.T.: 4.675 min
Delta R.T.: -0.004 min
Response: 24545353
Conc: 82.60 ng/ml m



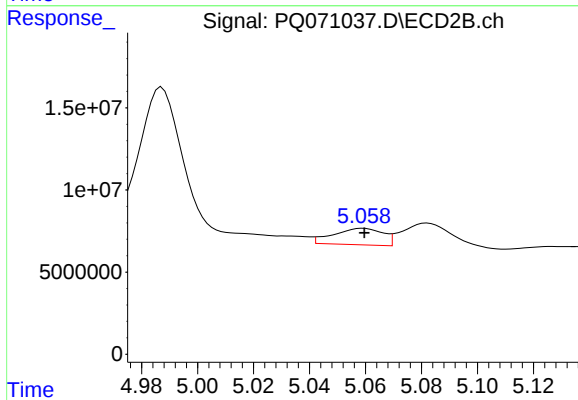
#28 AR-1254-3

R.T.: 5.860 min
Delta R.T.: 0.005 min
Response: 15542308
Conc: 50.59 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-DP01-20251016

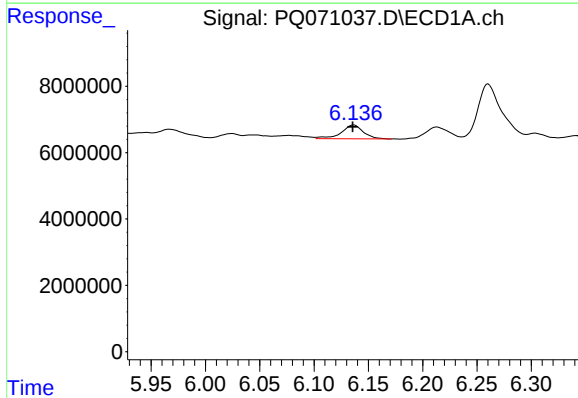
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025



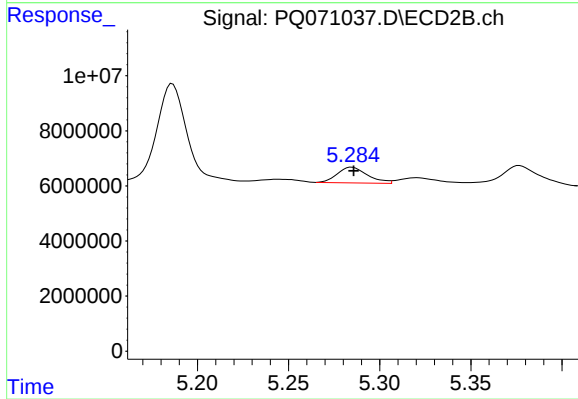
#28 AR-1254-3

R.T.: 5.059 min
Delta R.T.: 0.000 min
Response: 12323332
Conc: 26.38 ng/ml



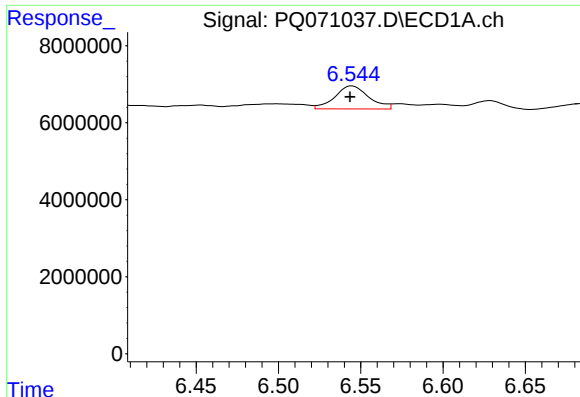
#29 AR-1254-4

R.T.: 6.136 min
Delta R.T.: 0.000 min
Response: 5382309
Conc: 24.52 ng/ml



#29 AR-1254-4

R.T.: 5.285 min
Delta R.T.: 0.000 min
Response: 6518870
Conc: 22.08 ng/ml



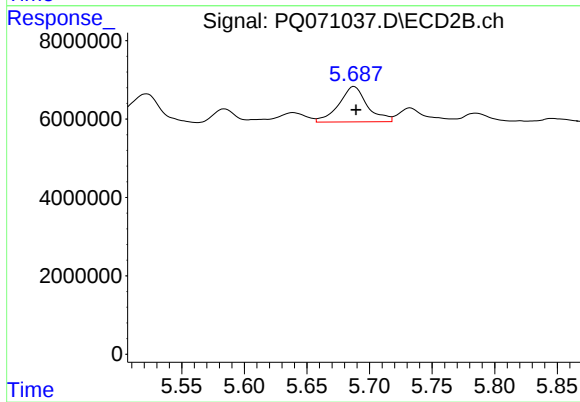
#30 AR-1254-5

R.T.: 6.545 min
Delta R.T.: 0.001 min
Response: 8610529
Conc: 37.13 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-DP01-20251016

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/23/2025
Supervised By :mohammad ahmed 10/24/2025



#30 AR-1254-5

R.T.: 5.688 min
Delta R.T.: -0.002 min
Response: 14332319
Conc: 34.10 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/16/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/16/25	
Client Sample ID: PR132-COMP2-20251016	SDG No.: Q3376	
Lab Sample ID: Q3376-03	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 52.7	
Sample Wt/Vol: 30.02 g	Test: PCB	Final Vol: 10000 uL
Prep Method: SW3541B	Prep Date: 10/21/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	32.2	U	1	7.50	32.2	ug/kg	10/21/25 14:30	PB170178
11104-28-2	Aroclor-1221	32.2	U	1	7.60	32.2	ug/kg	10/21/25 14:30	PB170178
11141-16-5	Aroclor-1232	32.2	U	1	7.10	32.2	ug/kg	10/21/25 14:30	PB170178
53469-21-9	Aroclor-1242	32.2	U	1	7.60	32.2	ug/kg	10/21/25 14:30	PB170178
12672-29-6	Aroclor-1248	32.2	U	1	11.2	32.2	ug/kg	10/21/25 14:30	PB170178
11097-69-1	Aroclor-1254	32.2	U	1	6.10	32.2	ug/kg	10/21/25 14:30	PB170178
37324-23-5	Aroclor-1262	32.2	U	1	9.50	32.2	ug/kg	10/21/25 14:30	PB170178
11100-14-4	Aroclor-1268	32.2	U	1	6.80	32.2	ug/kg	10/21/25 14:30	PB170178
11096-82-5	Aroclor-1260	32.2	U	1	6.10	32.2	ug/kg	10/21/25 14:30	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.1			32 - 144	96%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.4			32 - 175	87%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:30
Operator : YP\AJ
Sample : Q3376-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PR132-COMP2-20251016

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:45:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.776	83227439	90335549	19.132	17.783
2) SA Decachlor...	8.500	7.534	50605746	81923213	17.426	16.224

Target Compounds

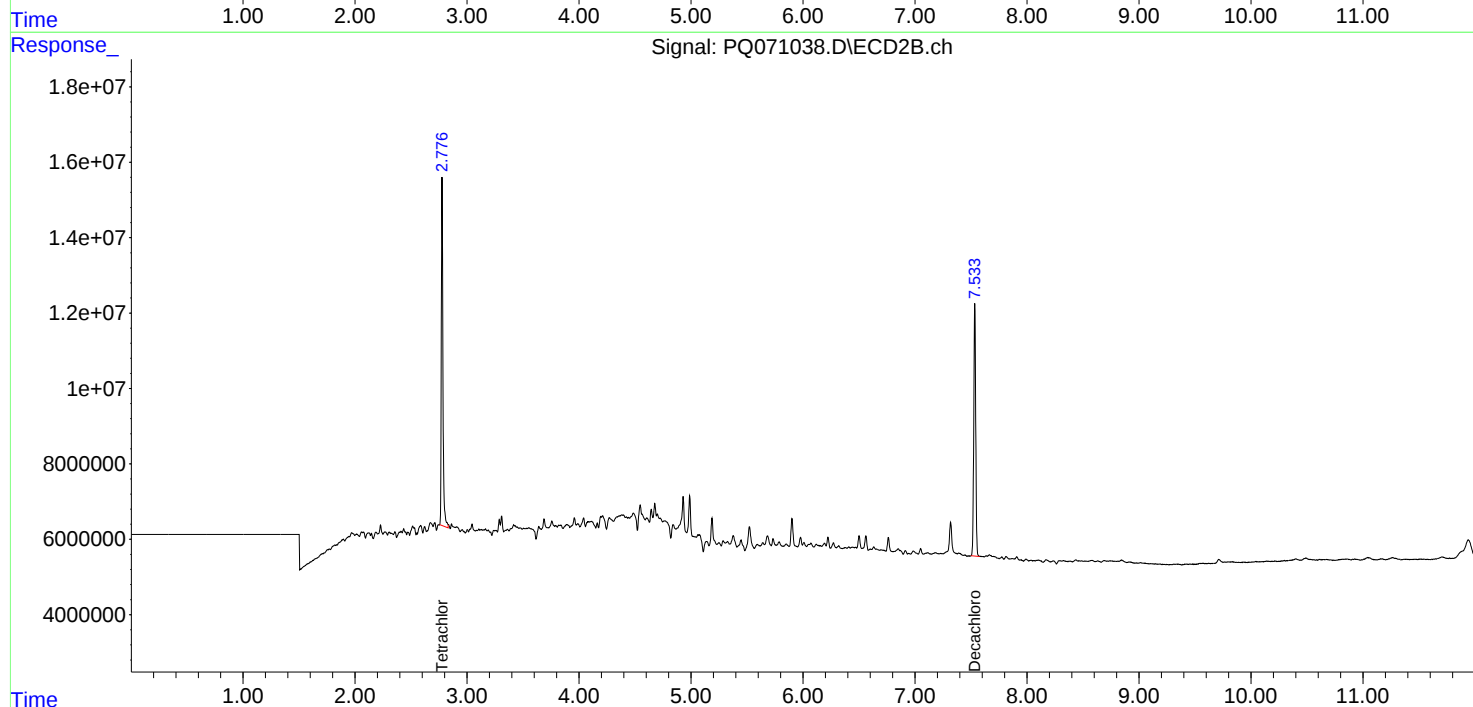
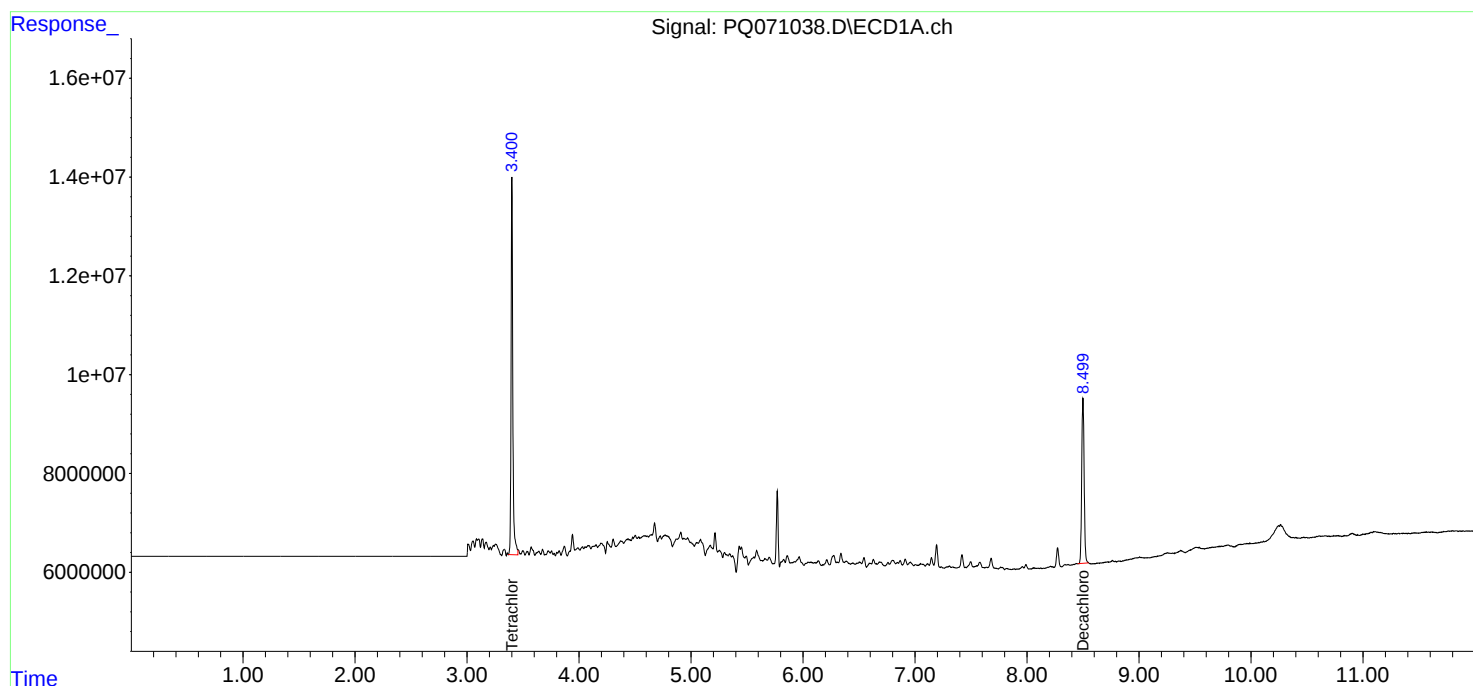
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

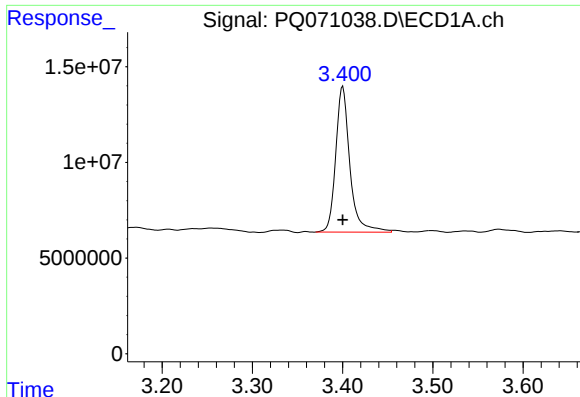
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:30
Operator : YP\AJ
Sample : Q3376-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PR132-COMP2-20251016

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:45:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

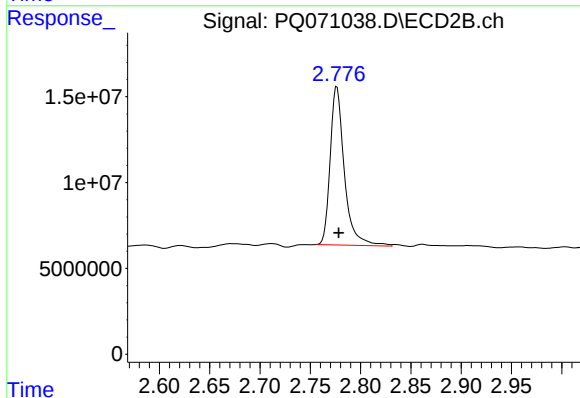




#1 Tetrachloro-m-xylene

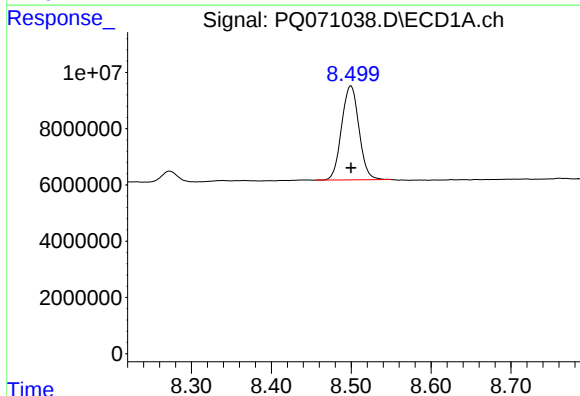
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 83227439
Conc: 19.13 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-COMP2-20251016



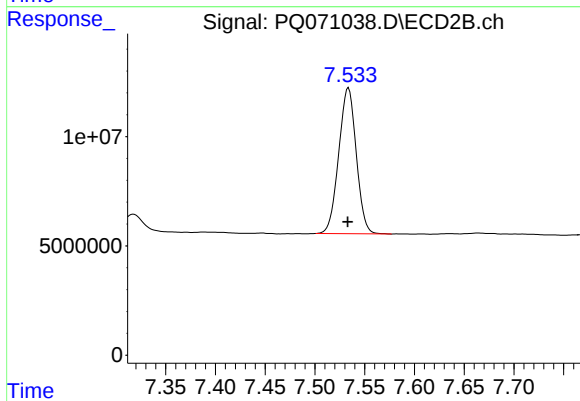
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 90335549
Conc: 17.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 50605746
Conc: 17.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 81923213
Conc: 16.22 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/16/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/16/25	
Client Sample ID: PR132-S12-047072-20251016	SDG No.: Q3376	
Lab Sample ID: Q3376-04	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 51.3	
Sample Wt/Vol: 30.05 g Final Vol: 10000 uL	Test: PCB	
Prep Method: SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	33.1	U	1	7.70	33.1	ug/kg	10/21/25 14:44	PB170178
11104-28-2	Aroclor-1221	33.1	U	1	7.80	33.1	ug/kg	10/21/25 14:44	PB170178
11141-16-5	Aroclor-1232	33.1	U	1	7.20	33.1	ug/kg	10/21/25 14:44	PB170178
53469-21-9	Aroclor-1242	33.1	U	1	7.80	33.1	ug/kg	10/21/25 14:44	PB170178
12672-29-6	Aroclor-1248	48.4		1	11.5	33.1	ug/kg	10/21/25 14:44	PB170178
11097-69-1	Aroclor-1254	33.1	U	1	6.20	33.1	ug/kg	10/21/25 14:44	PB170178
37324-23-5	Aroclor-1262	33.1	U	1	9.80	33.1	ug/kg	10/21/25 14:44	PB170178
11100-14-4	Aroclor-1268	33.1	U	1	7.00	33.1	ug/kg	10/21/25 14:44	PB170178
11096-82-5	Aroclor-1260	33.1	U	1	6.30	33.1	ug/kg	10/21/25 14:44	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.4			32 - 144	132%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.1			32 - 175	135%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:44
Operator : YP\AJ
Sample : Q3376-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-047072-20251016

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:45:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.777	115.0E6	127.0E6	26.442	24.995
2) SA Decachlor...	8.498	7.533	78600580	134.0E6	27.066	26.546
Target Compounds						
21) L5 AR-1248-1	4.481	3.777	7869236	14565874	87.959	115.152 #
22) L5 AR-1248-2	4.744	4.001	10387501	13849049	76.128	73.445
23) L5 AR-1248-3	4.931	4.038	8915338	12979215	55.243	72.245 #
24) L5 AR-1248-4	5.318	4.195	7308770	14076145	42.127	62.747 #
25) L5 AR-1248-5	5.354	4.569	10555351	11581088	70.880	49.738 #

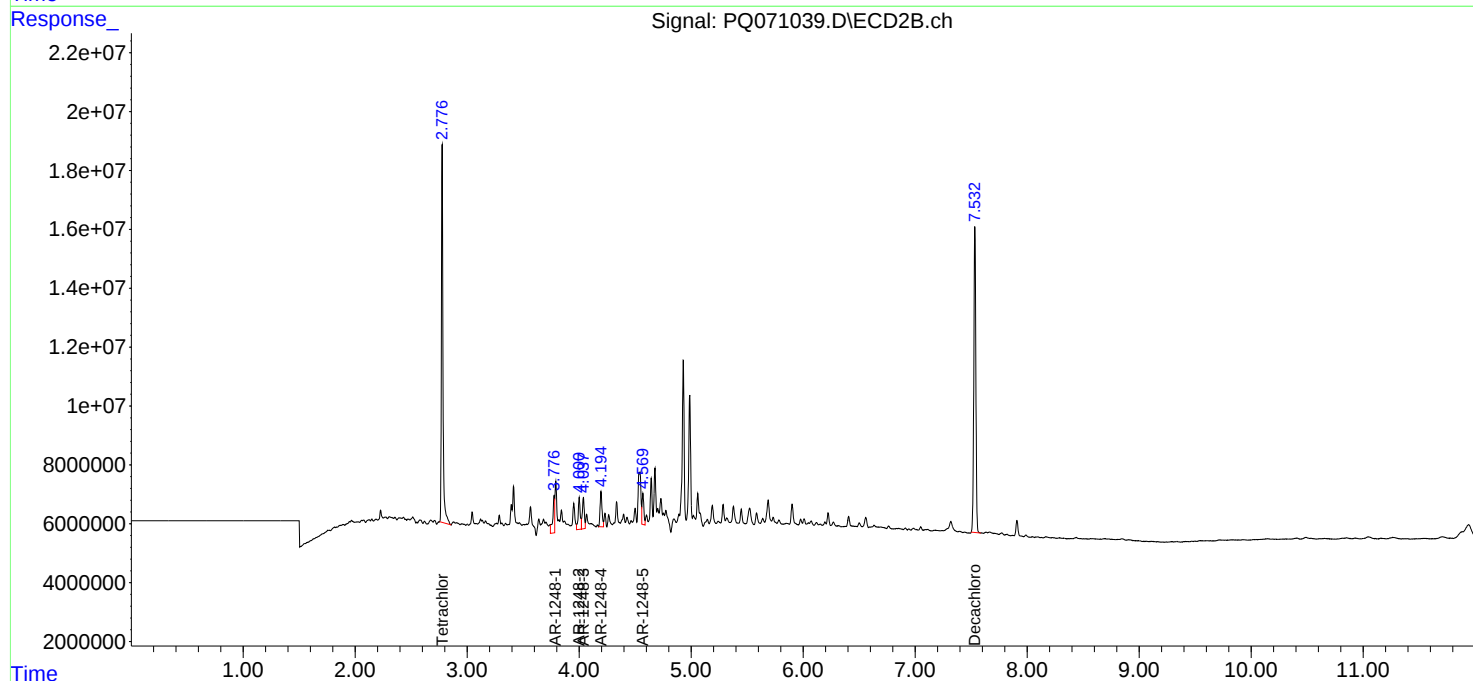
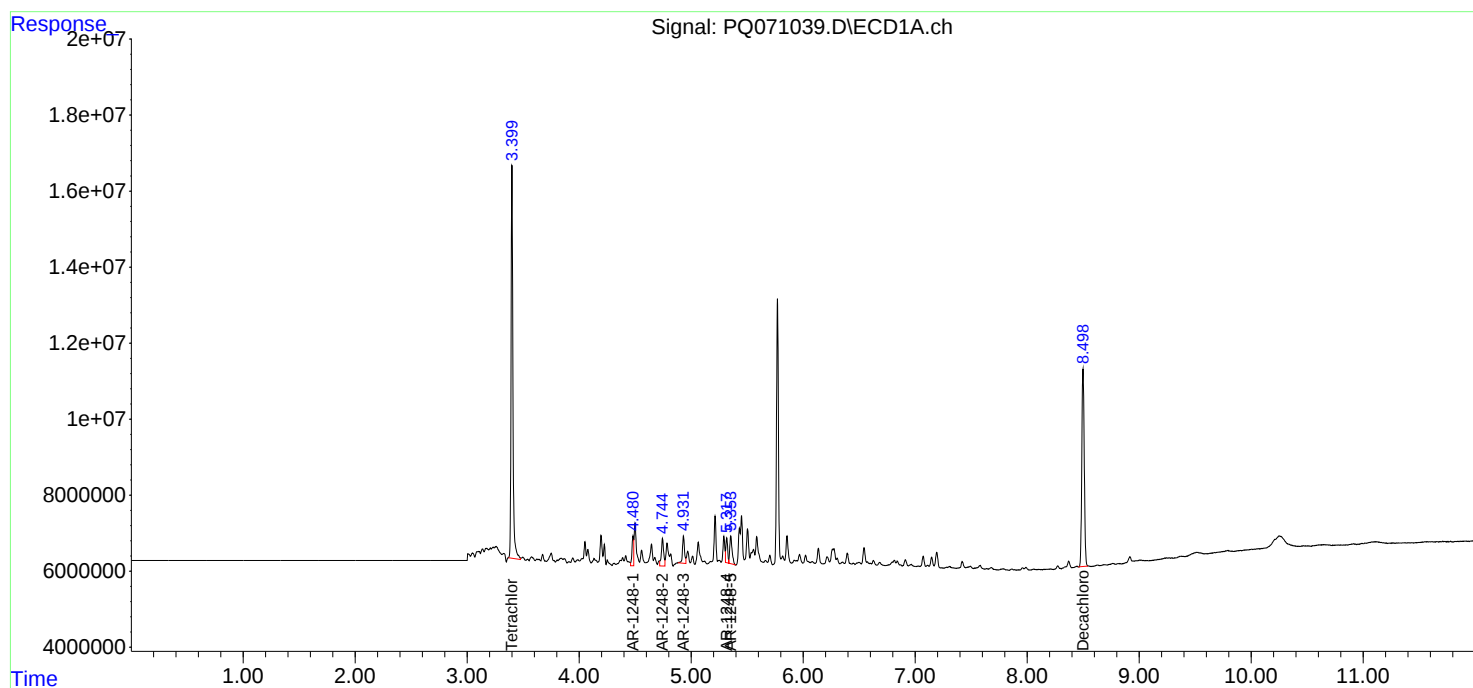
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

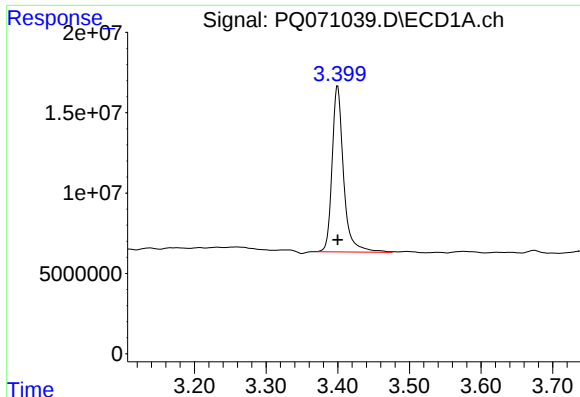
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:44
Operator : YP\AJ
Sample : Q3376-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-047072-20251016

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:45:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

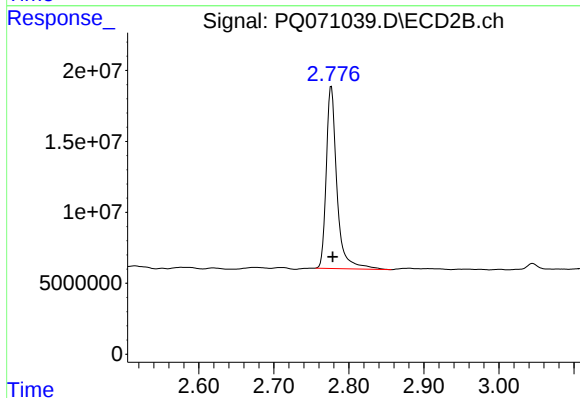




#1 Tetrachloro-m-xylene

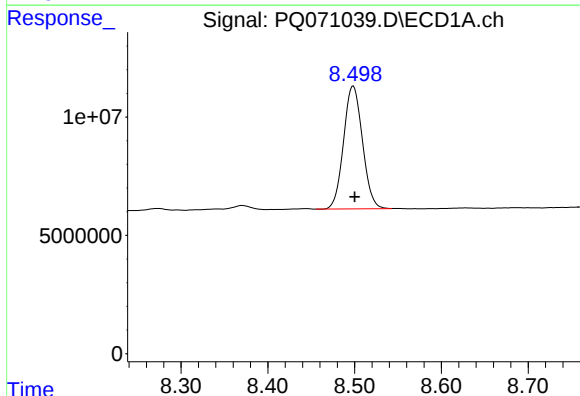
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 115030980
Conc: 26.44 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-047072-20251016



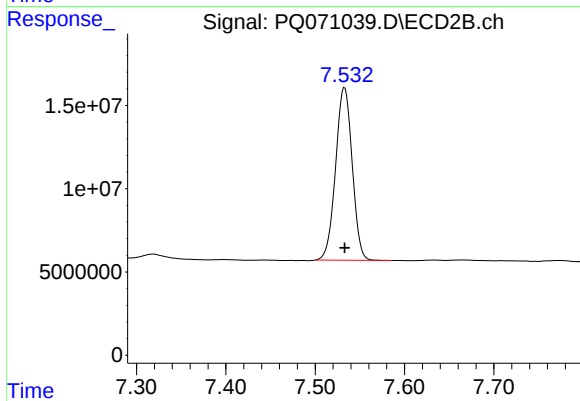
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: -0.002 min
Response: 126975650
Conc: 25.00 ng/ml



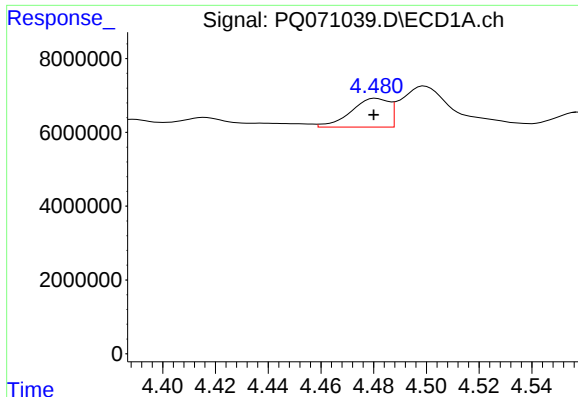
#2 Decachlorobiphenyl

R.T.: 8.498 min
Delta R.T.: -0.002 min
Response: 78600580
Conc: 27.07 ng/ml



#2 Decachlorobiphenyl

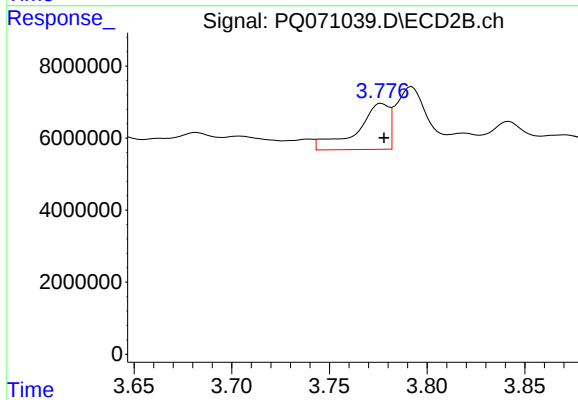
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 134043797
Conc: 26.55 ng/ml



#21 AR-1248-1

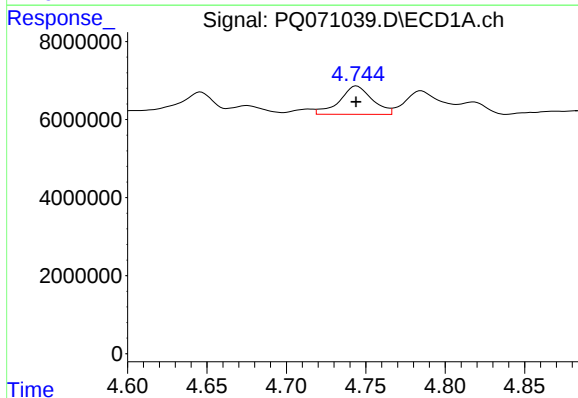
R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 7869236
Conc: 87.96 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-047072-20251016



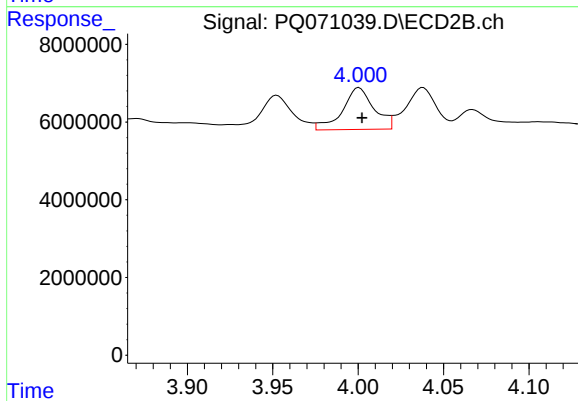
#21 AR-1248-1

R.T.: 3.777 min
Delta R.T.: -0.001 min
Response: 14565874
Conc: 115.15 ng/ml



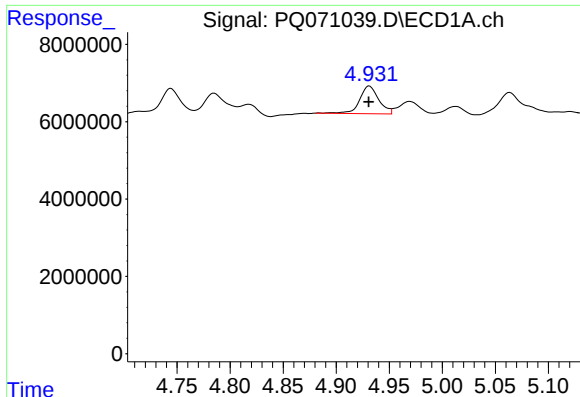
#22 AR-1248-2

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 10387501
Conc: 76.13 ng/ml



#22 AR-1248-2

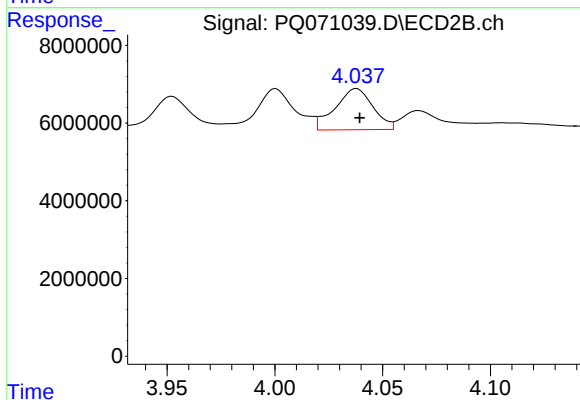
R.T.: 4.001 min
Delta R.T.: -0.002 min
Response: 13849049
Conc: 73.45 ng/ml



#23 AR-1248-3

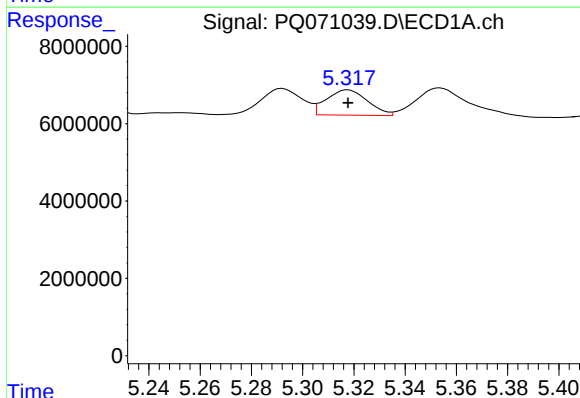
R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 8915338
Conc: 55.24 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-047072-20251016



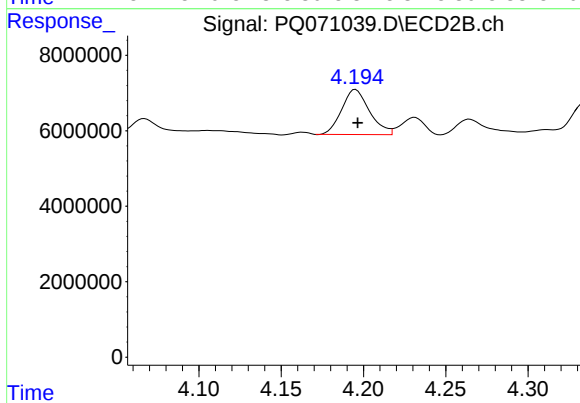
#23 AR-1248-3

R.T.: 4.038 min
Delta R.T.: -0.001 min
Response: 12979215
Conc: 72.25 ng/ml



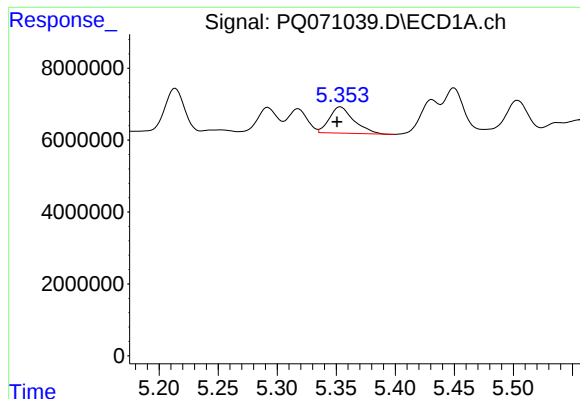
#24 AR-1248-4

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 7308770
Conc: 42.13 ng/ml



#24 AR-1248-4

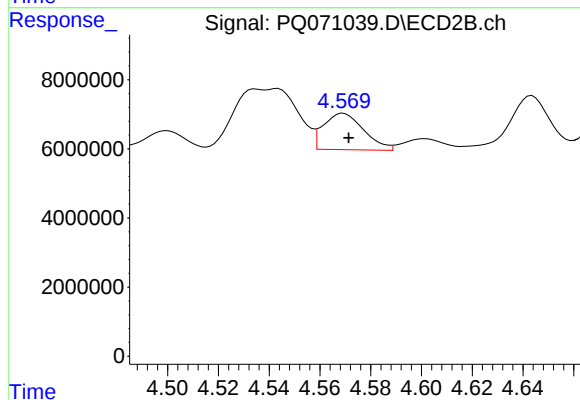
R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 14076145
Conc: 62.75 ng/ml



#25 AR-1248-5

R.T.: 5.354 min
Delta R.T.: 0.003 min
Response: 10555351
Conc: 70.88 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-047072-20251016



#25 AR-1248-5

R.T.: 4.569 min
Delta R.T.: -0.002 min
Response: 11581088
Conc: 49.74 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/16/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/16/25	
Client Sample ID: PR132-S12-020047-20251016	SDG No.: Q3376	
Lab Sample ID: Q3376-05	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 66.8	
Sample Wt/Vol: 30.01 g Final Vol: 10000 uL	Test: PCB	
Prep Method: SW3541B Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	25.4	U	1	5.90	25.4	ug/kg	10/21/25 14:59	PB170178
11104-28-2	Aroclor-1221	25.4	U	1	6.00	25.4	ug/kg	10/21/25 14:59	PB170178
11141-16-5	Aroclor-1232	25.4	U	1	5.60	25.4	ug/kg	10/21/25 14:59	PB170178
53469-21-9	Aroclor-1242	25.4	U	1	6.00	25.4	ug/kg	10/21/25 14:59	PB170178
12672-29-6	Aroclor-1248	10.7	J	1	8.90	25.4	ug/kg	10/21/25 14:59	PB170178
11097-69-1	Aroclor-1254	25.4	U	1	4.80	25.4	ug/kg	10/21/25 14:59	PB170178
37324-23-5	Aroclor-1262	25.4	U	1	7.50	25.4	ug/kg	10/21/25 14:59	PB170178
11100-14-4	Aroclor-1268	25.4	U	1	5.40	25.4	ug/kg	10/21/25 14:59	PB170178
11096-82-5	Aroclor-1260	25.4	U	1	4.80	25.4	ug/kg	10/21/25 14:59	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	25.1			32 - 144	125%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.9			32 - 175	109%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:59
Operator : YP\AJ
Sample : Q3376-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-020047-20251016

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:45:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.776	109.1E6	124.8E6	25.071	24.571
2) SA Decachlor...	8.498	7.533	63580775	108.8E6	21.894	21.556
Target Compounds						
21) L5 AR-1248-1	4.482	3.778	1234145	2213656	13.795	17.500 #
22) L5 AR-1248-2	4.744	4.001	4414767	4761677	32.355	25.252
23) L5 AR-1248-3	4.931	4.037	2471807	3749563	15.316	20.871 #
24) L5 AR-1248-4	5.317	4.194	1768619	5562423	10.194	24.796 #
25) L5 AR-1248-5	5.355	4.569	2546575	4414530	17.101	18.959

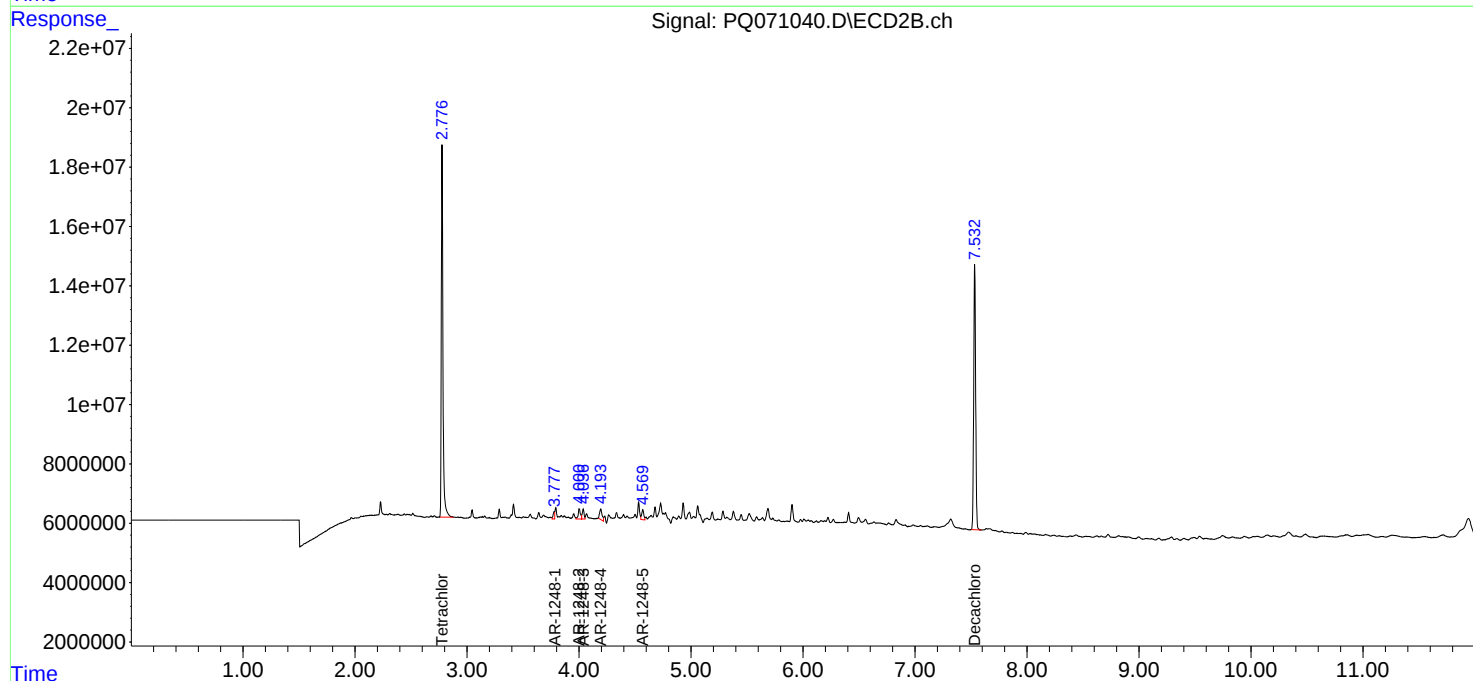
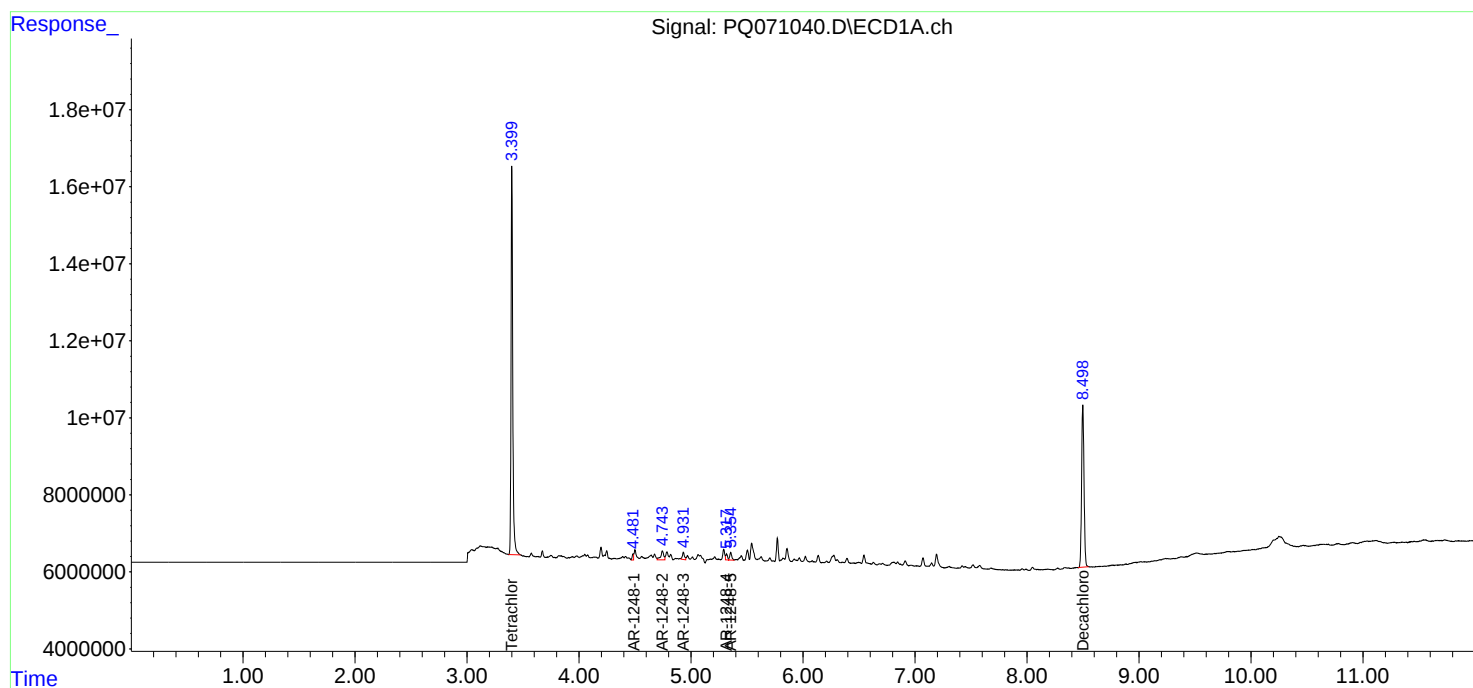
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

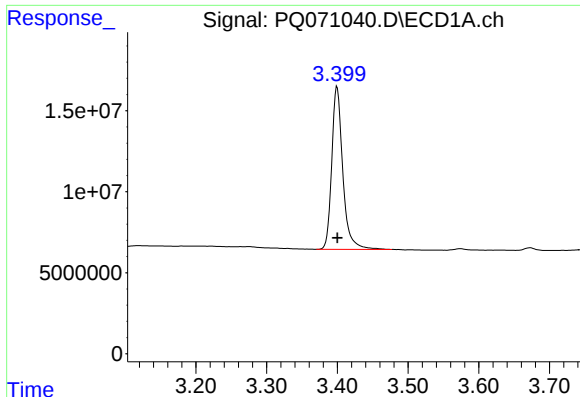
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:59
Operator : YP\AJ
Sample : Q3376-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-020047-20251016

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:45:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

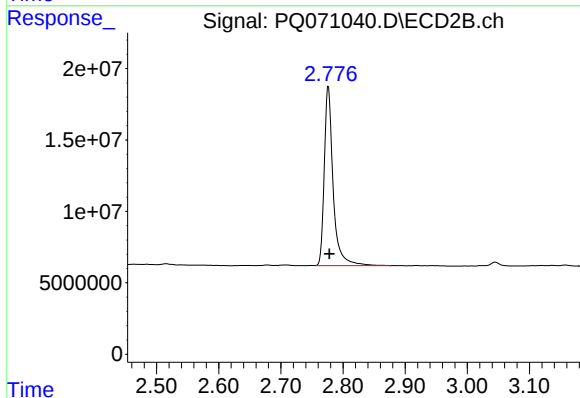




#1 Tetrachloro-m-xylene

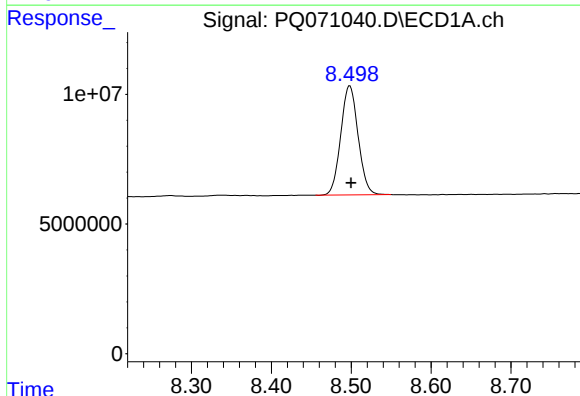
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 109067143
Conc: 25.07 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-020047-20251016



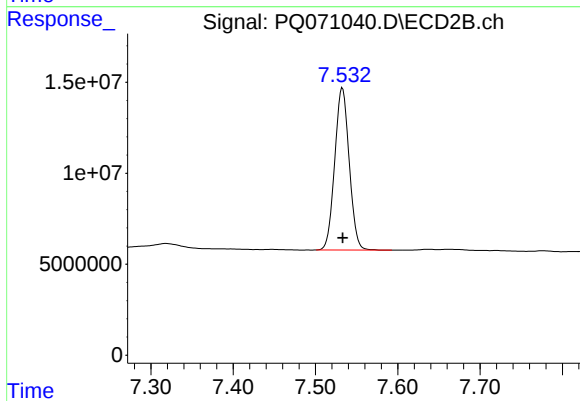
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 124822917
Conc: 24.57 ng/ml



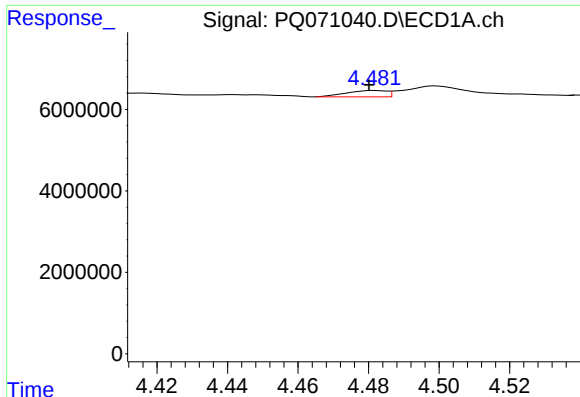
#2 Decachlorobiphenyl

R.T.: 8.498 min
Delta R.T.: -0.002 min
Response: 63580775
Conc: 21.89 ng/ml



#2 Decachlorobiphenyl

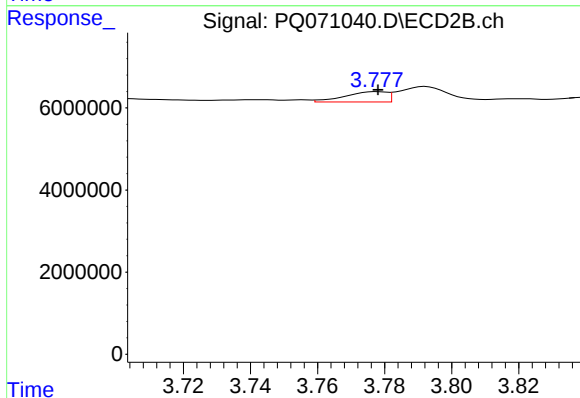
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 108848593
Conc: 21.56 ng/ml



#21 AR-1248-1

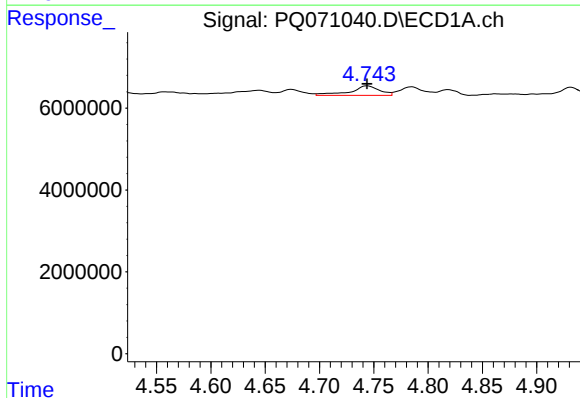
R.T.: 4.482 min
Delta R.T.: 0.002 min
Response: 1234145
Conc: 13.79 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-020047-20251016



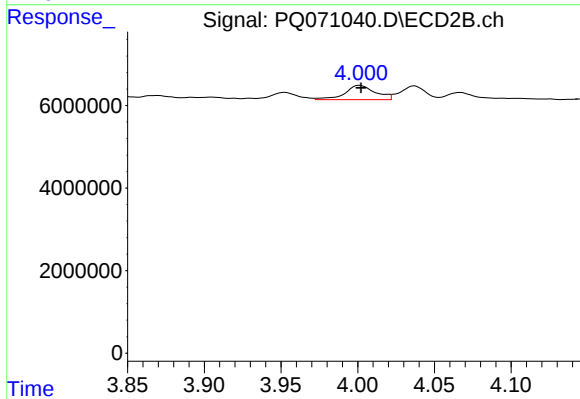
#21 AR-1248-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 2213656
Conc: 17.50 ng/ml



#22 AR-1248-2

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 4414767
Conc: 32.36 ng/ml

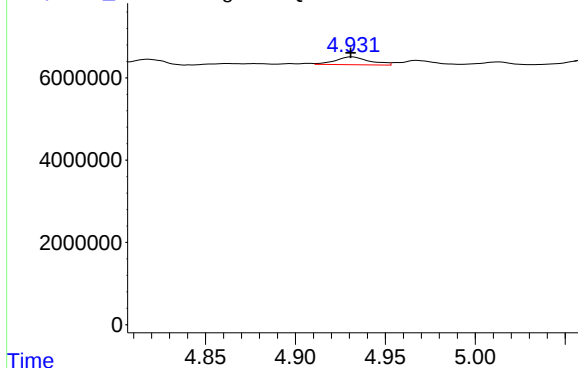


#22 AR-1248-2

R.T.: 4.001 min
Delta R.T.: -0.001 min
Response: 4761677
Conc: 25.25 ng/ml

Response_ Signal: PQ071040.D\ECD1A.ch

#23 AR-1248-3

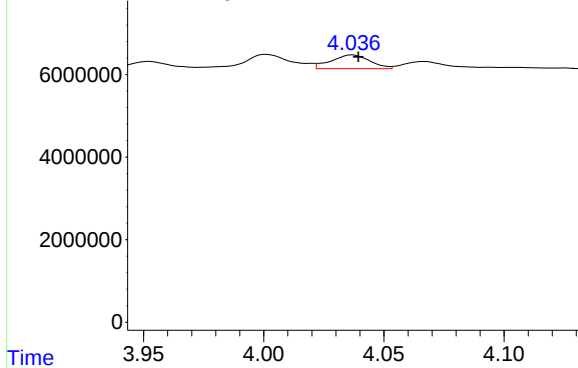


R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 2471807
Conc: 15.32 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-020047-20251016

Time Response_ Signal: PQ071040.D\ECD2B.ch

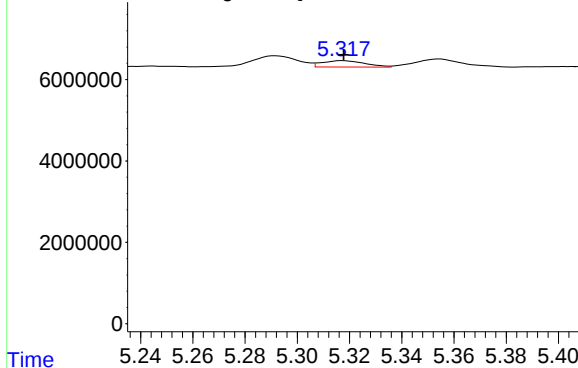
#23 AR-1248-3



R.T.: 4.037 min
Delta R.T.: -0.002 min
Response: 3749563
Conc: 20.87 ng/ml

Time Response_ Signal: PQ071040.D\ECD1A.ch

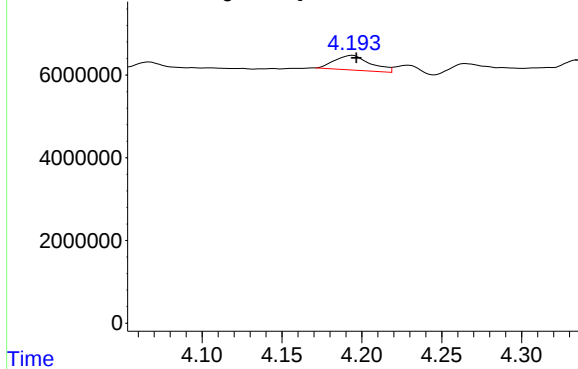
#24 AR-1248-4



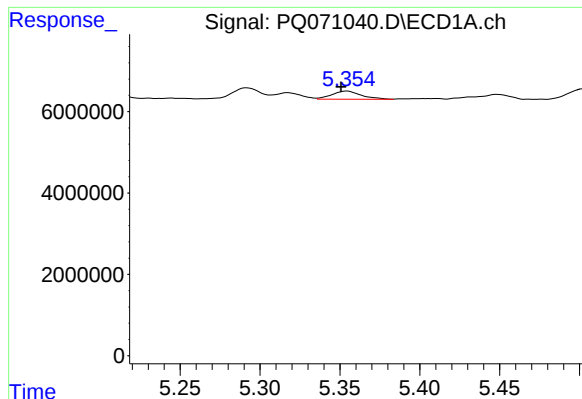
R.T.: 5.317 min
Delta R.T.: 0.000 min
Response: 1768619
Conc: 10.19 ng/ml

Time Response_ Signal: PQ071040.D\ECD2B.ch

#24 AR-1248-4



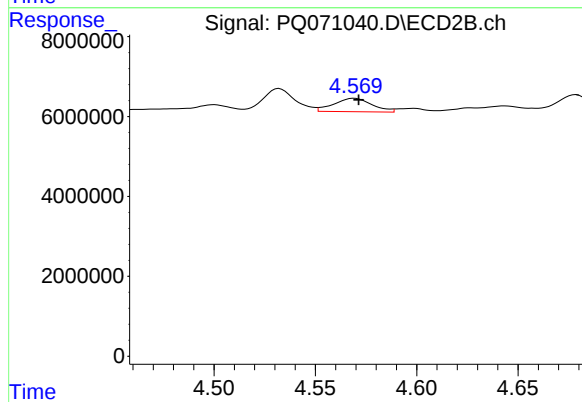
R.T.: 4.194 min
Delta R.T.: -0.003 min
Response: 5562423
Conc: 24.80 ng/ml



#25 AR-1248-5

R.T.: 5.355 min
Delta R.T.: 0.004 min
Response: 2546575
Conc: 17.10 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PR132-S12-020047-20251016



#25 AR-1248-5

R.T.: 4.569 min
Delta R.T.: -0.002 min
Response: 4414530
Conc: 18.96 ng/ml



CALIBRATION SUMMARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3376</u>
Instrument ID:	<u>ECD_Q</u>	Calibration Date(s):	<u>10/10/2025</u> <u>10/10/2025</u>
		Calibration Times:	<u>08:57</u> <u>16:43</u>

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

LAB FILE ID:	RT 1000 = <u>PQ070973.D</u>	RT 750 = <u>PQ070974.D</u>
RT 500 = <u>PQ070975.D</u>	RT 250 = <u>PQ070976.D</u>	RT 050 = <u>PQ070977.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1016-2	(2)	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1016-3	(3)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1016-4	(4)	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1016-5	(5)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1260-1	(1)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Aroclor-1260-2	(2)	6.28	6.28	6.28	6.28	6.27	6.28	6.18	6.38
Aroclor-1260-3	(3)	6.63	6.63	6.63	6.63	6.63	6.63	6.53	6.73
Aroclor-1260-4	(4)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Aroclor-1260-5	(5)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1242-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1242-2	(2)	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-3	(3)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1242-4	(4)	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1242-5	(5)	5.35	5.35	5.35	5.35	5.32	5.34	5.24	5.44
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1248-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1248-2	(2)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-3	(3)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1248-4	(4)	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
Aroclor-1248-5	(5)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1254-1	(1)	5.29	5.29	5.29	5.29	5.29	5.29	5.19	5.39
Aroclor-1254-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1254-3	(3)	5.86	5.85	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1254-4	(4)	6.14	6.13	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1254-5	(5)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1268-1	(1)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Aroclor-1268-2	(2)	7.49	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1268-3	(3)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Aroclor-1268-4	(4)	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Aroclor-1268-5	(5)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene	3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3376</u>
Instrument ID:	<u>ECD_Q</u>	Calibration Date(s):	<u>10/10/2025</u> <u>10/10/2025</u>
		Calibration Times:	<u>08:57</u> <u>16:43</u>

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

LAB FILE ID:	RT 1000 = <u>PQ070973.D</u>	RT 750 = <u>PQ070974.D</u>
RT 500 = <u>PQ070975.D</u>	RT 250 = <u>PQ070976.D</u>	RT 050 = <u>PQ070977.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1016-2	(2)	3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1016-3	(3)	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Aroclor-1016-4	(4)	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
Aroclor-1016-5	(5)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1260-1	(1)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-2	(2)	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
Aroclor-1260-3	(3)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1260-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1260-5	(5)	6.22	6.22	6.22	6.22	6.22	6.22	6.12	6.32
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1242-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-2	(2)	3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1242-3	(3)	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Aroclor-1242-4	(4)	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Aroclor-1242-5	(5)	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1248-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-2	(2)	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
Aroclor-1248-3	(3)	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Aroclor-1248-4	(4)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1248-5	(5)	4.57	4.57	4.57	4.57	4.57	4.57	4.47	4.67
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1254-1	(1)	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1254-2	(2)	4.68	4.68	4.68	4.68	4.68	4.68	4.58	4.78
Aroclor-1254-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1254-4	(4)	5.29	5.29	5.29	5.29	5.29	5.29	5.19	5.39
Aroclor-1254-5	(5)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1268-1	(1)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1268-2	(2)	6.56	6.56	6.56	6.56	6.56	6.56	6.46	6.66
Aroclor-1268-3	(3)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1268-4	(4)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aroclor-1268-5	(5)	7.32	7.32	7.32	7.32	7.32	7.32	7.22	7.42

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3376

Calibration Date(s): 10/10/2025 10/10/2025
Calibration Times: 08:57 16:43

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

LAB FILE ID:		CF 1000 = <u>PQ070973.D</u>		CF 750 = <u>PQ070974.D</u>			
CF 500 = <u>PQ070975.D</u>		CF 250 = <u>PQ070976.D</u>		CF 050 = <u>PQ070977.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	152632258	161381460	169566884	175492100	161647220	164143984
Aroclor-1016-2	(2)	235274296	256838307	264605432	271518004	253235720	256294352
Aroclor-1016-3	(3)	145675938	156782704	164416996	169596776	159119400	159118363
Aroclor-1016-4	(4)	120162951	129378400	134848252	138303760	126953020	129929277
Aroclor-1016-5	(5)	117231883	128545740	133336348	136306768	128593380	128802824
Aroclor-1260-1	(1)	208928914	234195365	241877518	247859876	239493660	234471067
Aroclor-1260-2	(2)	243695794	275266251	287710272	296720404	279652200	276608984
Aroclor-1260-3	(3)	178017013	196424459	204653606	209590628	207855920	199308325
Aroclor-1260-4	(4)	191556315	214263107	223690164	228814336	216092480	214883280
Aroclor-1260-5	(5)	400986941	436898331	447507618	451939420	431553500	433777162
Decachlorobiphenyl		2603997920	2888430733	3017037660	3097201720	2913248400	2903983287
Tetrachloro-m-xylene		4048991050	4420325093	4447782420	4497118040	4337178200	4350278961
Aroclor-1242-1	(1)	117929900	120501580	121917368	124177888	110233240	118951995
Aroclor-1242-2	(2)	179238730	188762288	194471730	197719720	193371880	190712870
Aroclor-1242-3	(3)	111298009	117265485	120728326	123754708	121434700	118896246
Aroclor-1242-4	(4)	91702396	97376287	98944784	101196952	108558560	99555796
Aroclor-1242-5	(5)	63322787	67097277	82718820	102665812	77804800	78721899
Decachlorobiphenyl		3082568640	3243406933	3352805760	3359769360	3286790800	3265068299
Tetrachloro-m-xylene		4441893010	4577290613	4623065280	4605855840	4702516200	4590124189
Aroclor-1248-1	(1)	89951061	92802913	99278242	97399904	67891380	89464700
Aroclor-1248-2	(2)	126849870	131764987	138900528	142257364	142462060	136446962
Aroclor-1248-3	(3)	152980867	157544657	166146850	167481096	162764480	161383590
Aroclor-1248-4	(4)	167077290	173126060	182827440	186713196	157721500	173493097
Aroclor-1248-5	(5)	163667698	168136284	132211082	121389384	159185140	148917918
Decachlorobiphenyl		3177348440	3248518907	3402766540	3434790520	3353916400	3323468161
Tetrachloro-m-xylene		4546508980	4599154480	4739413180	4685828360	4518221600	4617825320
Aroclor-1254-1	(1)	186317660	198212097	200308250	222421948	174131700	196278331
Aroclor-1254-2	(2)	272465681	301191412	300558232	318683640	259516480	290483089
Aroclor-1254-3	(3)	294493285	320137152	318530722	335107472	267769020	307207530
Aroclor-1254-4	(4)	212636724	232647637	229798130	237628972	184991000	219540493
Aroclor-1254-5	(5)	229095618	241104957	242576814	249415576	197285560	231895705
Decachlorobiphenyl		3135993520	3237057933	3300114540	3432442200	2724290800	3165979799
Tetrachloro-m-xylene		4449551480	4584042107	4604497820	4625575480	3701892800	4393111937
Aroclor-1268-1	(1)	555593291	572438855	583365466	598015136	603747960	582632142

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	510325576	524057337	534075228	546100468	539884140	530888550	3
Aroclor-1268-3	(3)	416538407	427532203	436646098	443325192	442459640	433300308	3
Aroclor-1268-4	(4)	179373252	185531188	189624920	193669728	190155160	187670850	3
Aroclor-1268-5	(5)	1283167757	1308010297	1321380362	1326514116	1318957680	1311606042	1
Decachlorobiphenyl		5757514290	5913646120	6037365900	6192444040	6223042400	6024802550	3
Tetrachloro-m-xylene		4734874420	4871269707	4916225920	4964521920	4932484000	4883875193	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3376

Calibration Date(s): 10/10/2025 10/10/2025
Calibration Times: 08:57 16:43

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

LAB FILE ID:		CF 1000 = <u>PQ070973.D</u>		CF 750 = <u>PQ070974.D</u>			
CF 500 = <u>PQ070975.D</u>		CF 250 = <u>PQ070976.D</u>		CF 050 = <u>PQ070977.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	198094739	217218485	228189888	237783008	238723760	224001976
Aroclor-1016-2	(2)	306974778	336928535	345611618	359075648	352024660	340123048
Aroclor-1016-3	(3)	164197912	180535471	187035142	195263012	182262860	181858879
Aroclor-1016-4	(4)	139678855	154088441	161162796	170890484	161242760	157412667
Aroclor-1016-5	(5)	171310856	187991799	196963118	205633060	197310680	191841903
Aroclor-1260-1	(1)	322104344	352779140	365742242	382158164	379245720	360405922
Aroclor-1260-2	(2)	392921251	432078265	450339936	466790948	457838380	439993756
Aroclor-1260-3	(3)	374441100	409997701	423595070	436050024	430913160	414999411
Aroclor-1260-4	(4)	324169048	356082777	368301826	380117112	370143240	359762801
Aroclor-1260-5	(5)	773923407	822481391	873089514	880740576	851175200	840282018
Decachlorobiphenyl		4511855410	4959881947	5165429800	5359918520	5250729800	5049563095
Tetrachloro-m-xylene		4790824740	5183285133	5313707940	5302586120	4809696600	5080020107
Aroclor-1242-1	(1)	149120136	160366853	160219200	165386980	179219740	162862582
Aroclor-1242-2	(2)	228406508	237737935	244055020	248772624	247903320	241375081
Aroclor-1242-3	(3)	123267302	131780304	132089372	135429308	136535900	131820437
Aroclor-1242-4	(4)	107929318	113409847	120761922	128344628	102401880	114569519
Aroclor-1242-5	(5)	175313049	196019013	175387368	167275268	156704980	174139936
Decachlorobiphenyl		5194557400	5483323560	5616478880	5698756520	6104877800	5619598832
Tetrachloro-m-xylene		5511103540	5712989200	5725543240	5446452960	5436162600	5566450308
Aroclor-1248-1	(1)	118147108	120641916	127443132	132200888	134031720	126492953
Aroclor-1248-2	(2)	172958749	177705395	189325858	196101732	206725040	188563355
Aroclor-1248-3	(3)	167593672	172934769	178216680	182062792	197467520	179655087
Aroclor-1248-4	(4)	207432918	214191484	230649658	232116576	237264740	224331075
Aroclor-1248-5	(5)	211078475	216720032	243430792	250826296	242157620	232842643
Decachlorobiphenyl		5357284330	5460780160	5730809660	5844375240	6130897000	5704829278
Tetrachloro-m-xylene		5499268270	5571294053	5722936200	5664492400	5408993600	5573396905
Aroclor-1254-1	(1)	326099704	341297420	345505280	377987212	295169840	337211891
Aroclor-1254-2	(2)	283781194	302336180	304849560	326229636	268575420	297154398
Aroclor-1254-3	(3)	455841488	477545104	484627186	501619228	415693040	467065209
Aroclor-1254-4	(4)	291449906	303039177	308578712	317073776	256115840	295251482
Aroclor-1254-5	(5)	417470468	427079459	439495106	452352324	365350180	420349507
Decachlorobiphenyl		5360763820	5577066440	5716894620	5972893640	5256420800	5576807864
Tetrachloro-m-xylene		5311856950	5451428933	5484489360	5522984680	4238156400	5201783265
Aroclor-1268-1	(1)	931455367	961712979	973652708	974423320	1030986200	974446115

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	858872879	891158693	900594916	906701084	936258500	898717214	3
Aroclor-1268-3	(3)	746016914	769745548	779615614	791820108	821422560	781724149	4
Aroclor-1268-4	(4)	330162118	339473573	345636662	356393996	350955500	344524370	3
Aroclor-1268-5	(5)	2374681378	2422263161	2432472106	2427996872	2444443520	2420371407	1
Decachlorobiphenyl		10401085910	10736618840	10941521580	11269357960	11896046400	11048926138	5
Tetrachloro-m-xylene		5581659480	5729850200	5733063640	5828463760	5669436400	5708494696	2

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Instrument ID: ECD_Q Date(s) Analyzed: 10/10/2025 10/10/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.59	3.49	3.69	59190800
		2	3.67	3.57	3.77	43146800
		3	3.74	3.64	3.84	133548000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.74	3.64	3.84	108948000
		2	4.23	4.13	4.33	57502800
		3	4.50	4.40	4.60	107099000
		4	4.65	4.55	4.75	54014200
		5	4.79	4.69	4.89	43713200
Aroclor-1262	500	1	6.84	6.74	6.94	274018000
		2	7.15	7.05	7.25	498476000
		3	7.42	7.32	7.52	328660000
		4	7.49	7.39	7.59	252340000
		5	7.99	7.89	8.09	164350000



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3376

Instrument ID: ECD_Q Date(s) Analyzed: 10/10/2025 10/10/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	2.98	2.88	3.08	73819200
		2	3.05	2.95	3.15	60003200
		3	3.12	3.02	3.22	171184000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.12	3.02	3.22	139342000
		2	3.79	3.69	3.89	138900000
		3	3.95	3.85	4.05	73450200
		4	4.04	3.94	4.14	63034400
		5	4.20	4.10	4.30	71607200
Aroclor-1262	500	1	5.73	5.63	5.83	452486000
		2	5.98	5.88	6.08	427702000
		3	6.50	6.40	6.60	332708000
		4	6.56	6.46	6.66	616820000
		5	7.05	6.95	7.15	302986000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 08:57
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 10:54:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 10:49:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.401	2.778	404.9E6	479.1E6	95.307	94.825
2) SA Decachlor...	8.496	7.534	260.4E6	451.2E6	92.652	93.246
Target Compounds						
3) L1 AR-1016-1	4.480	3.778	152.6E6	198.1E6	947.441	929.401
4) L1 AR-1016-2	4.499	3.793	235.3E6	307.0E6	941.324	940.794
5) L1 AR-1016-3	4.556	3.954	145.7E6	164.2E6	939.563	934.980
6) L1 AR-1016-4	4.646	4.002	120.2E6	139.7E6	942.413	928.587
7) L1 AR-1016-5	4.931	4.197	117.2E6	171.3E6	935.728	930.345
31) L7 AR-1260-1	6.020	5.190	208.9E6	322.1E6	926.912	936.559
32) L7 AR-1260-2	6.275	5.379	243.7E6	392.9E6	917.174	931.909
33) L7 AR-1260-3	6.626	5.520	178.0E6	374.4E6	930.393	938.406
34) L7 AR-1260-4	6.840	5.980	191.6E6	324.2E6	922.615	936.268
35) L7 AR-1260-5	7.146	6.224	401.0E6	773.9E6	945.173	939.790

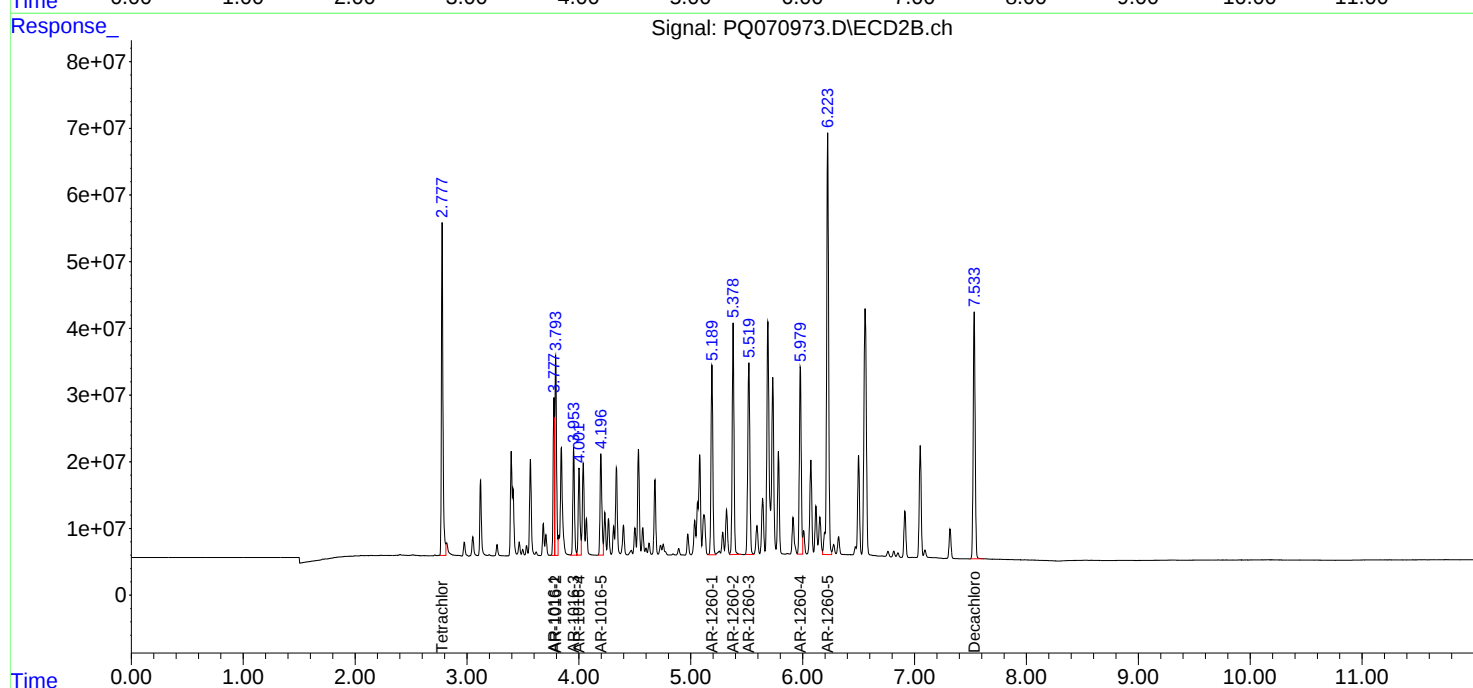
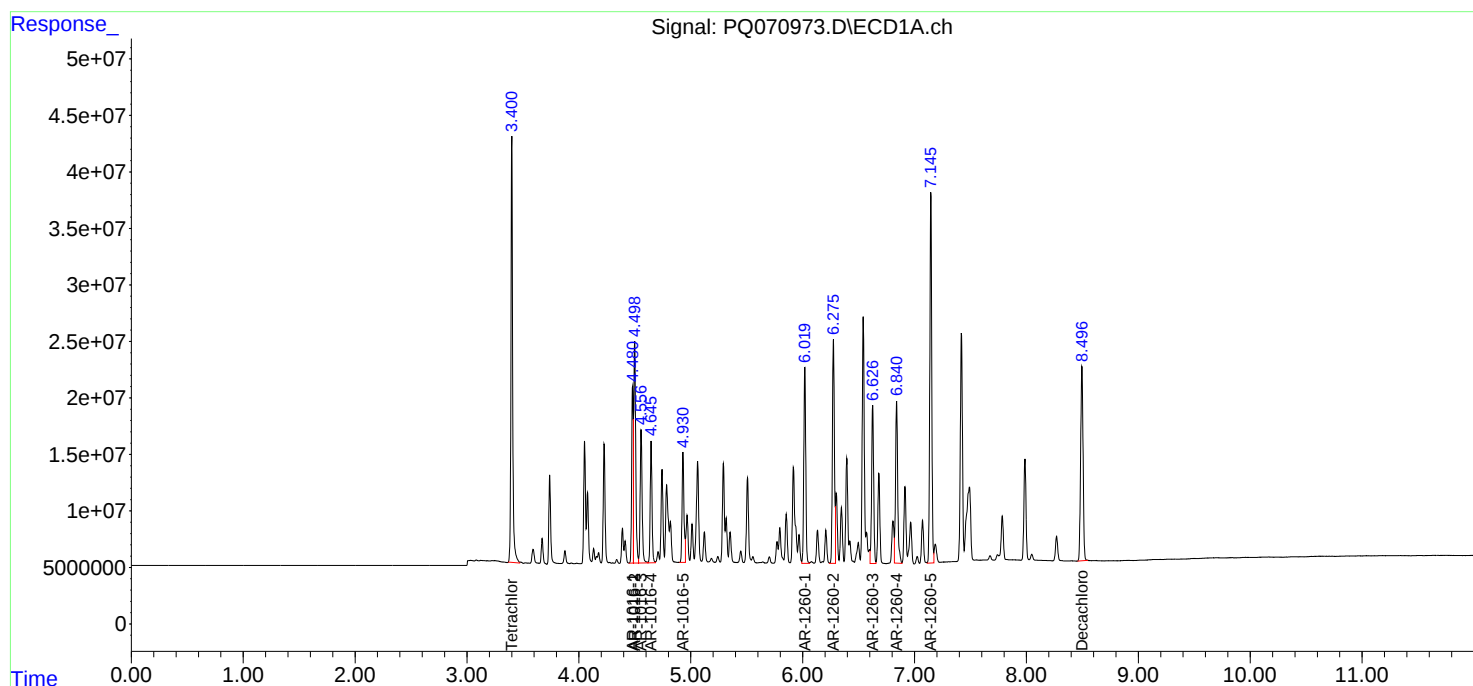
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

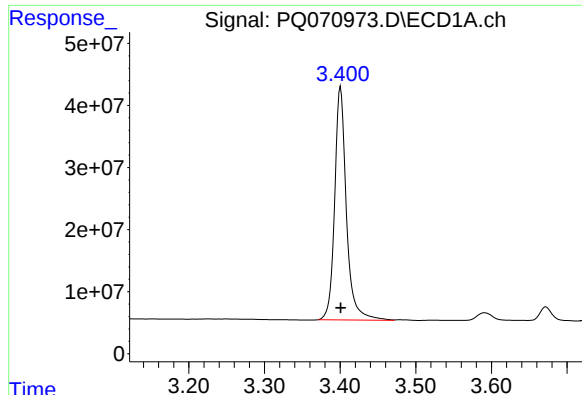
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 08:57
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 10:54:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 10:49:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

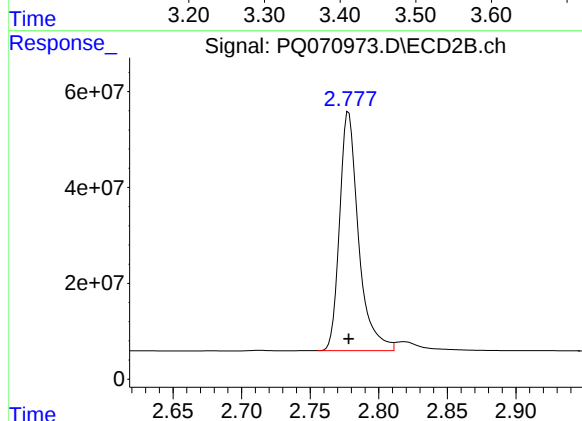




#1 Tetrachloro-m-xylene

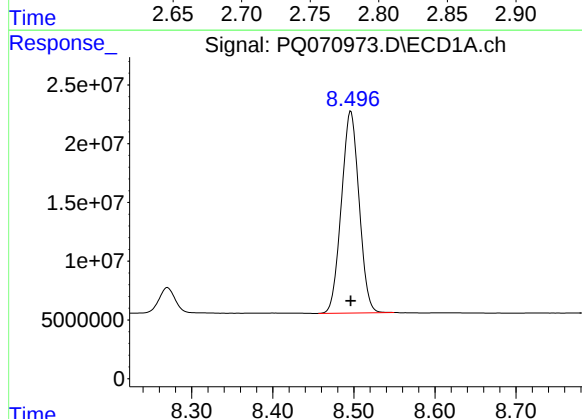
R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 404899105
Conc: 95.31 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



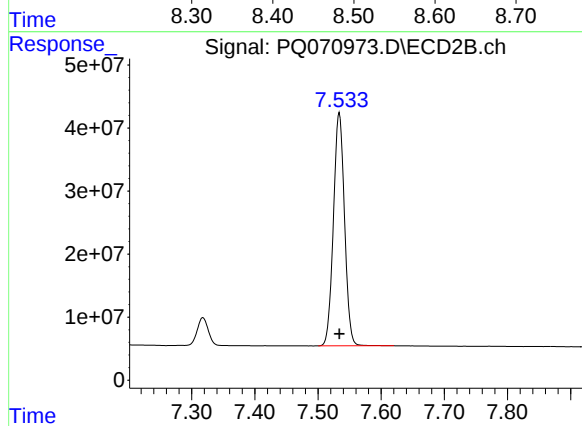
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 479082474
Conc: 94.83 ng/ml



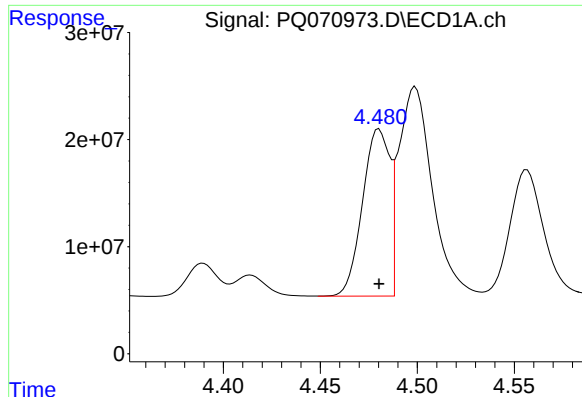
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 260399792
Conc: 92.65 ng/ml



#2 Decachlorobiphenyl

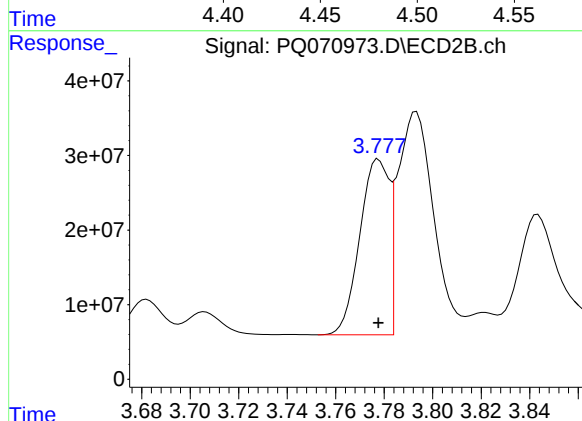
R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 451185541
Conc: 93.25 ng/ml



#3 AR-1016-1

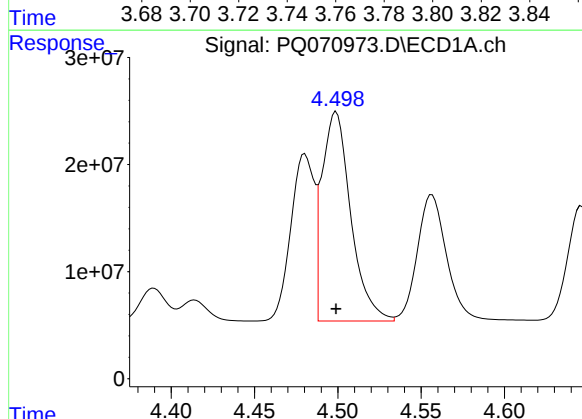
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 152632258
Conc: 947.44 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



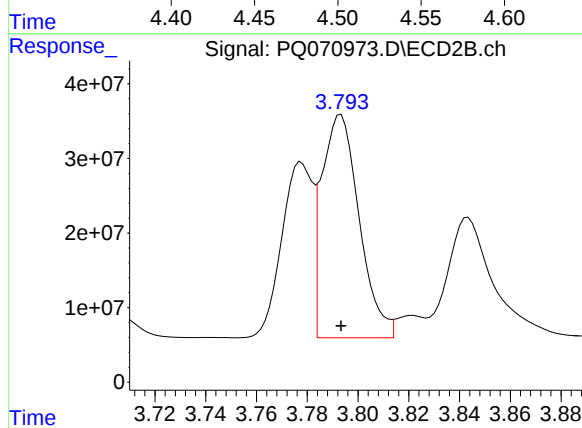
#3 AR-1016-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 198094739
Conc: 929.40 ng/ml



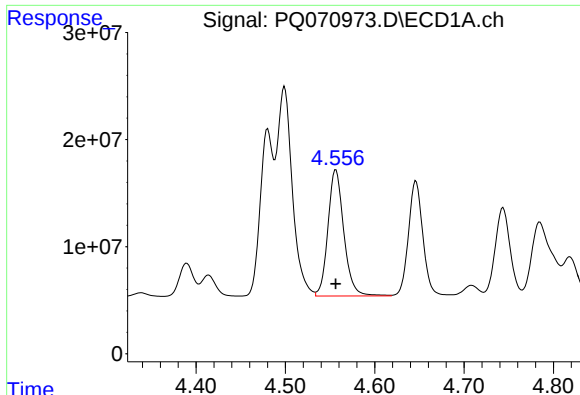
#4 AR-1016-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 235274296
Conc: 941.32 ng/ml



#4 AR-1016-2

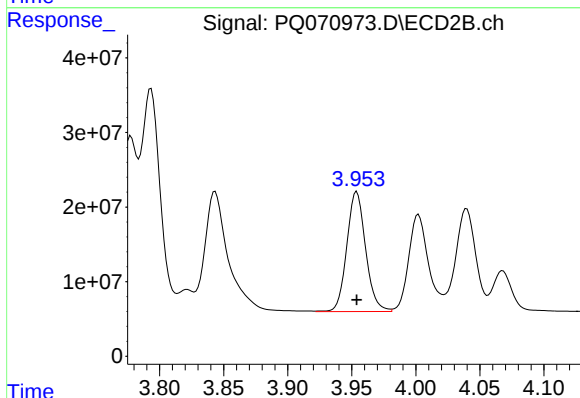
R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 306974778
Conc: 940.79 ng/ml



#5 AR-1016-3

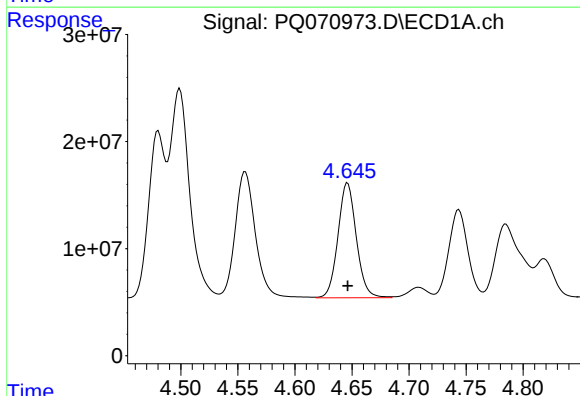
R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 145675938
Conc: 939.56 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



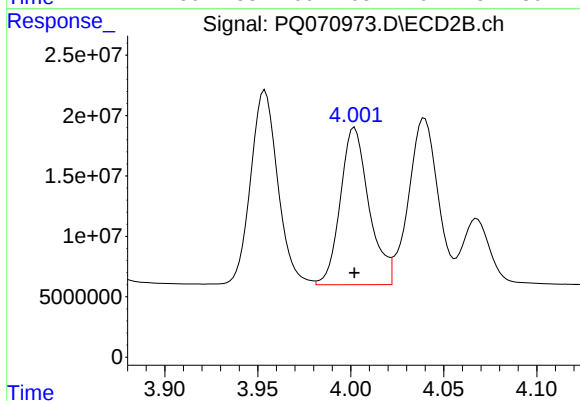
#5 AR-1016-3

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 164197912
Conc: 934.98 ng/ml



#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 120162951
Conc: 942.41 ng/ml



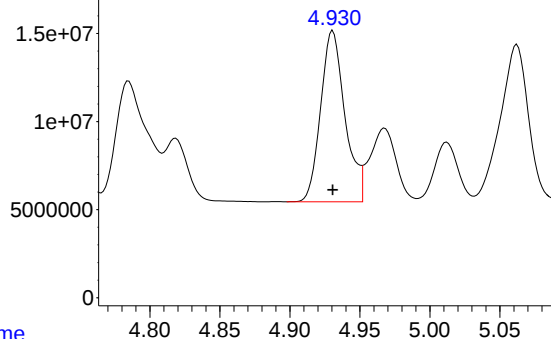
#6 AR-1016-4

R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 139678855
Conc: 928.59 ng/ml

Response_

Signal: PQ070973.D\ECD1A.ch

#7 AR-1016-5



R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 117231883
Conc: 935.73 ng/ml

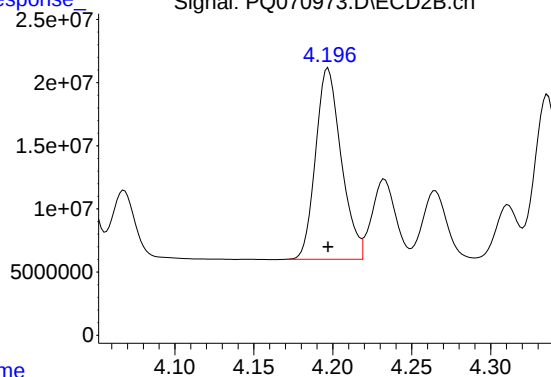
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000

Time

Response

Signal: PQ070973.D\ECD2B.ch

#7 AR-1016-5



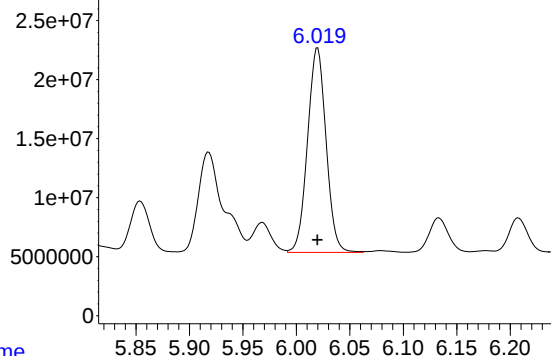
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 171310856
Conc: 930.34 ng/ml

Time

Response_

Signal: PQ070973.D\ECD1A.ch

#31 AR-1260-1



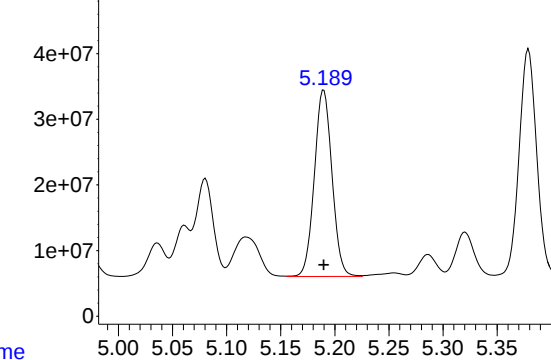
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 208928914
Conc: 926.91 ng/ml

Time

Response_

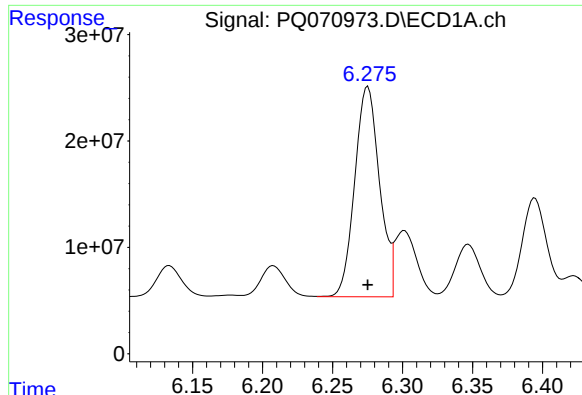
Signal: PQ070973.D\ECD2B.ch

#31 AR-1260-1



R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 322104344
Conc: 936.56 ng/ml

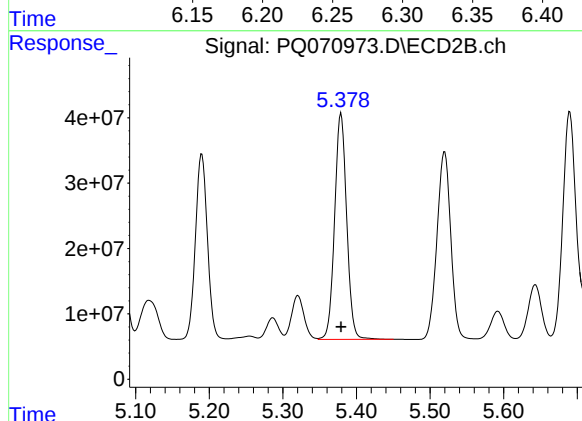
Time



#32 AR-1260-2

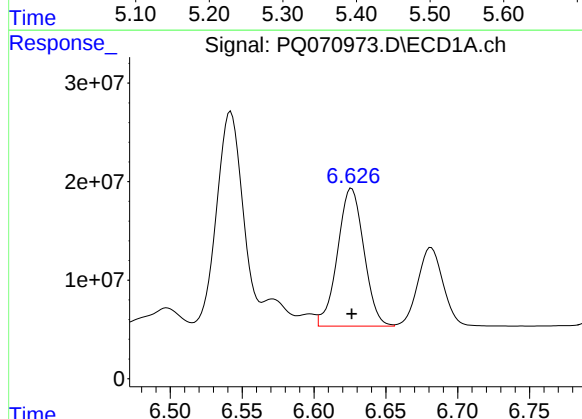
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 243695794
Conc: 917.17 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



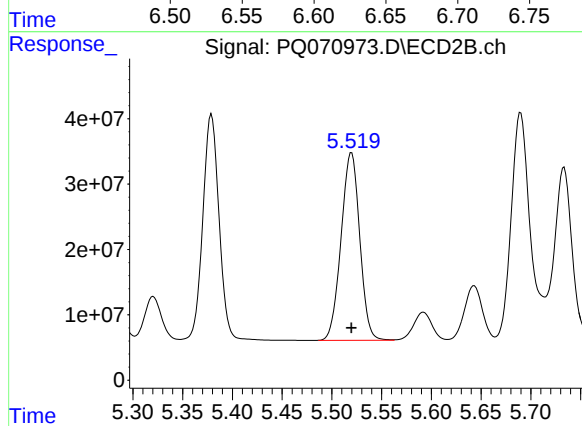
#32 AR-1260-2

R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 392921251
Conc: 931.91 ng/ml



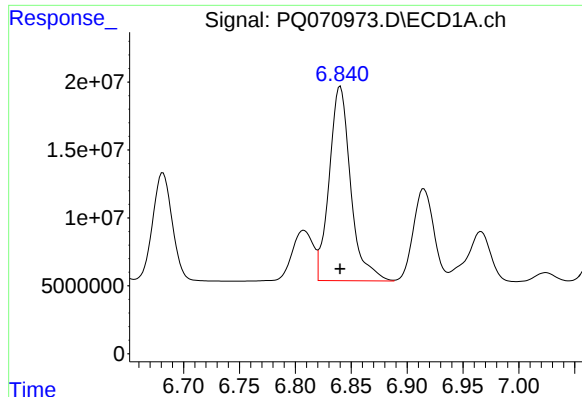
#33 AR-1260-3

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 178017013
Conc: 930.39 ng/ml



#33 AR-1260-3

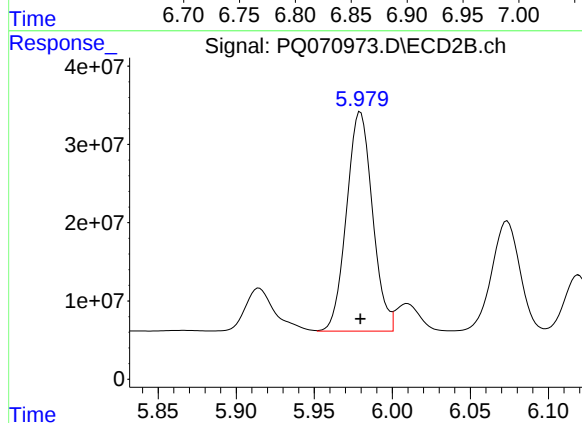
R.T.: 5.520 min
Delta R.T.: 0.000 min
Response: 374441100
Conc: 938.41 ng/ml



#34 AR-1260-4

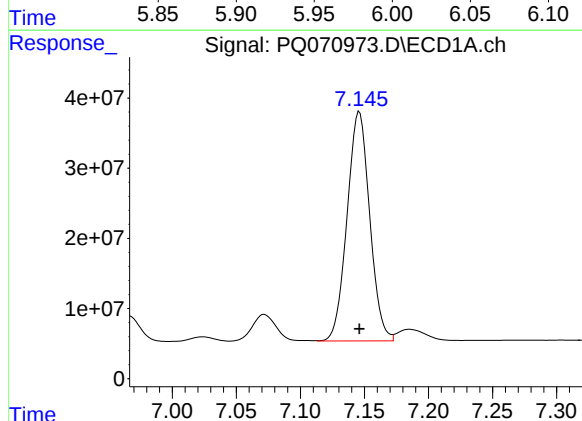
R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 191556315
Conc: 922.62 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000



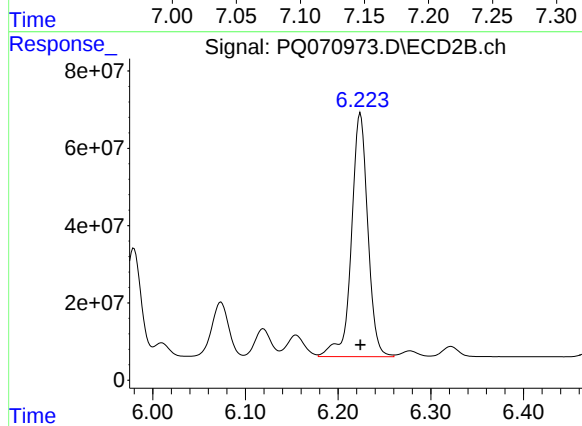
#34 AR-1260-4

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 324169048
Conc: 936.27 ng/ml



#35 AR-1260-5

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 400986941
Conc: 945.17 ng/ml



#35 AR-1260-5

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 773923407
Conc: 939.79 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
 Data File : PQ070974.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 09:11
 Operator : YP\AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 10:57:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Oct 10 10:49:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	331.5E6	388.7E6	76.997	76.286
2) SA Decachlor...	8.496	7.534	216.6E6	372.0E6	76.373	76.242
Target Compounds						
3) L1 AR-1016-1	4.480	3.778	121.0E6	162.9E6	750.874	759.502
4) L1 AR-1016-2	4.499	3.794	192.6E6	252.7E6	763.674	766.122
5) L1 AR-1016-3	4.556	3.954	117.6E6	135.4E6	755.578	763.875
6) L1 AR-1016-4	4.646	4.002	97033800	115.6E6	757.308	762.093
7) L1 AR-1016-5	4.930	4.197	96409305	141.0E6	762.905	760.395
31) L7 AR-1260-1	6.020	5.189	175.6E6	264.6E6	769.253	762.765
32) L7 AR-1260-2	6.276	5.378	206.4E6	324.1E6	767.783	762.288
33) L7 AR-1260-3	6.627	5.519	147.3E6	307.5E6	763.182	763.633
34) L7 AR-1260-4	6.840	5.980	160.7E6	267.1E6	765.822	764.087
35) L7 AR-1260-5	7.146	6.224	327.7E6	616.9E6	764.763	749.377

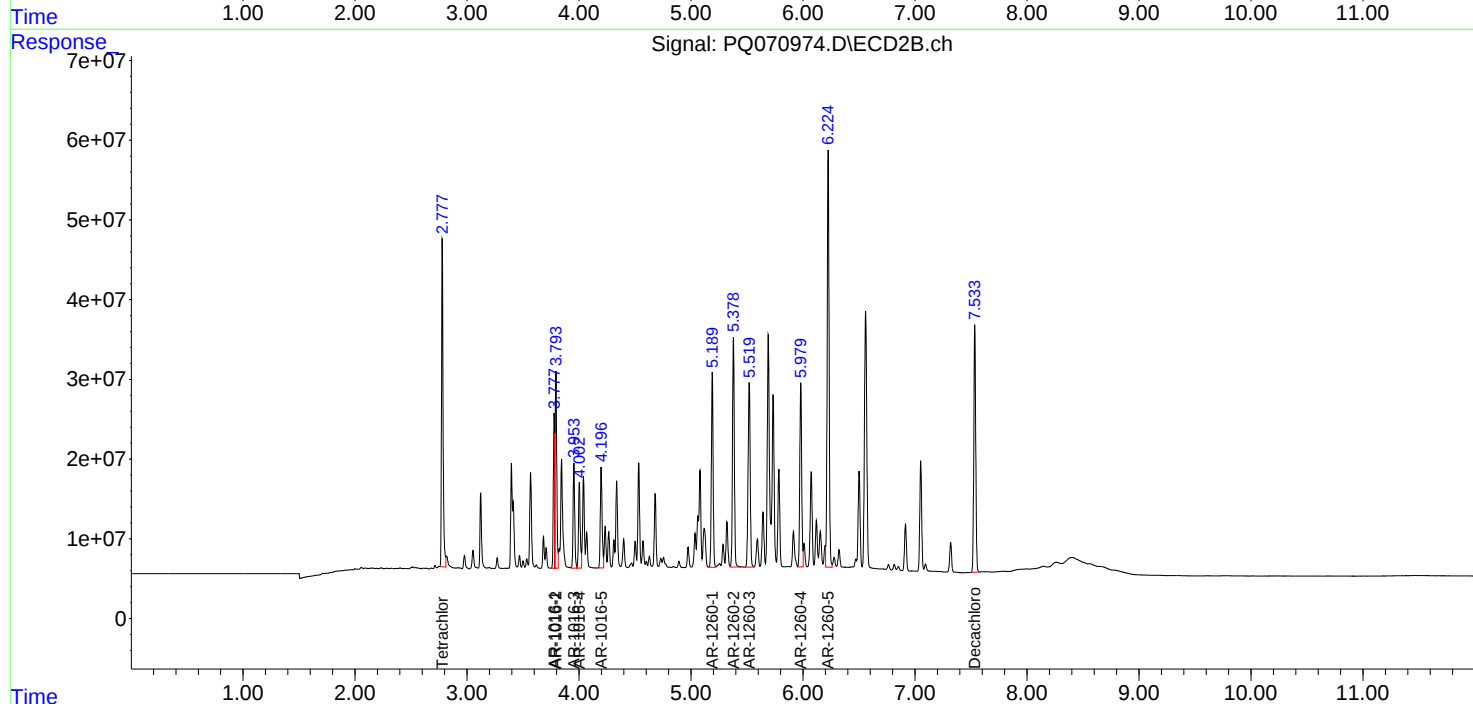
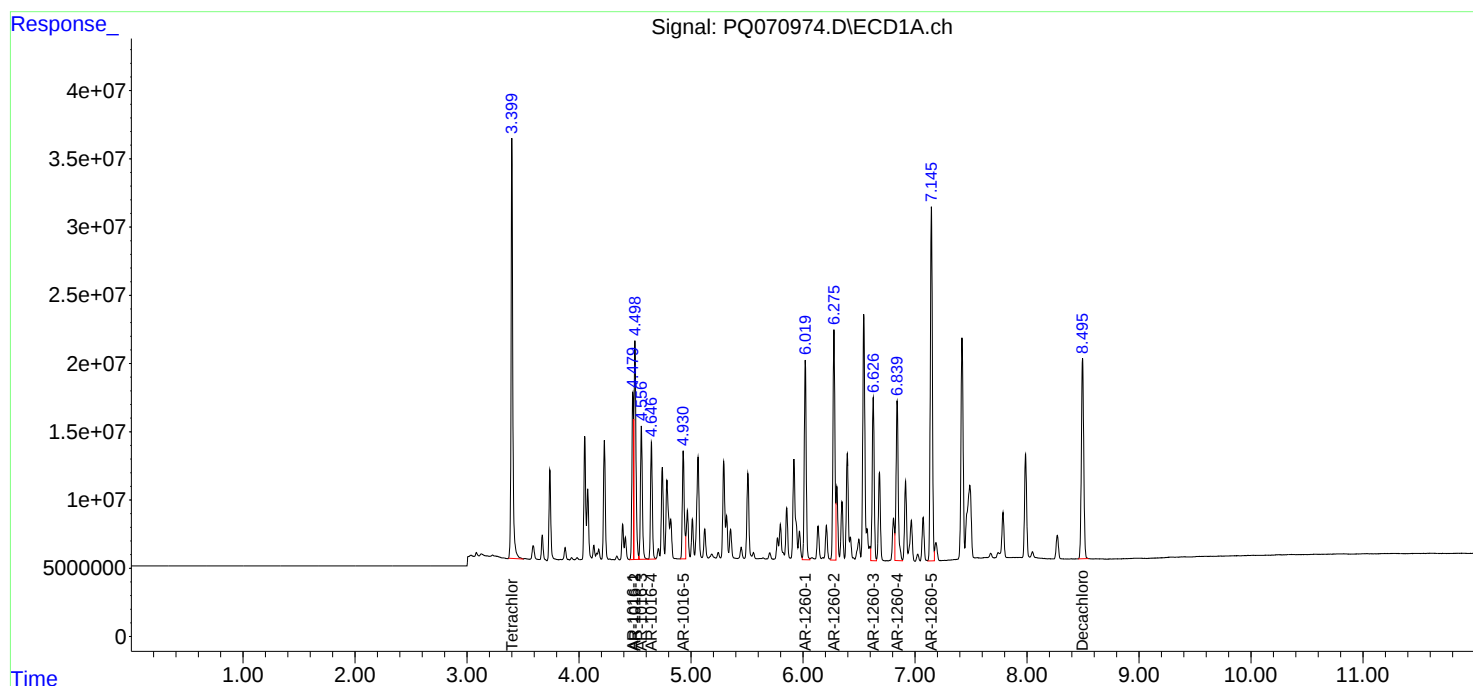
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

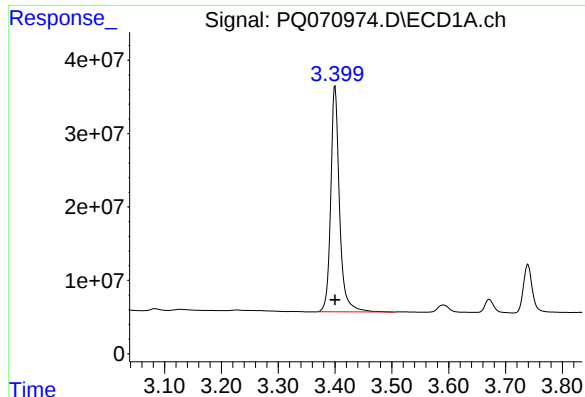
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 09:11
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 10:57:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 10:49:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

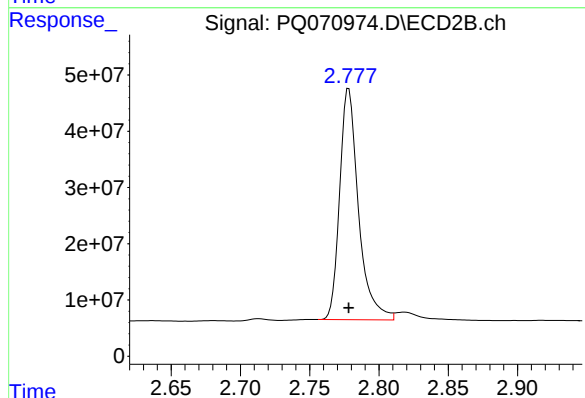




#1 Tetrachloro-m-xylene

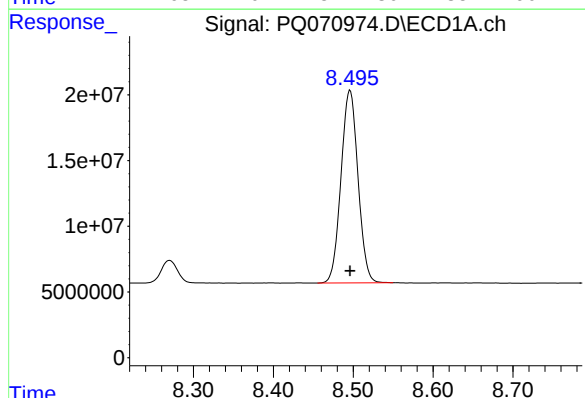
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 331524382
Conc: 77.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



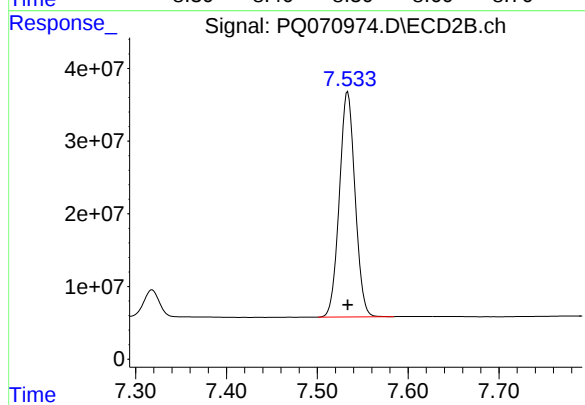
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 388746385
Conc: 76.29 ng/ml



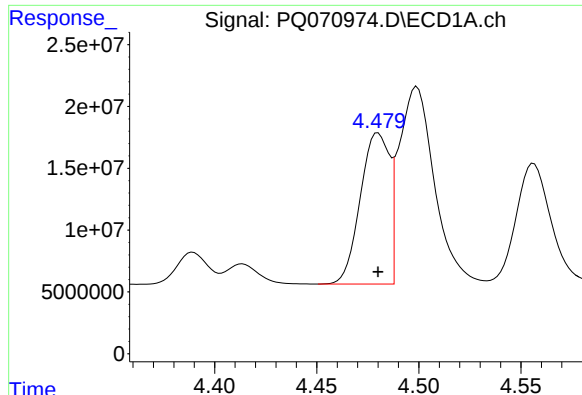
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 216632305
Conc: 76.37 ng/ml



#2 Decachlorobiphenyl

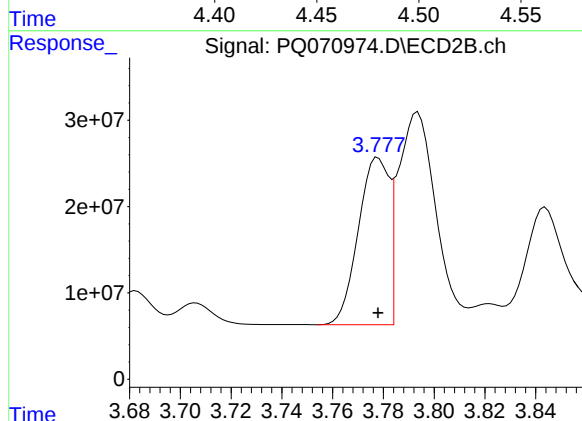
R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 371991146
Conc: 76.24 ng/ml



#3 AR-1016-1

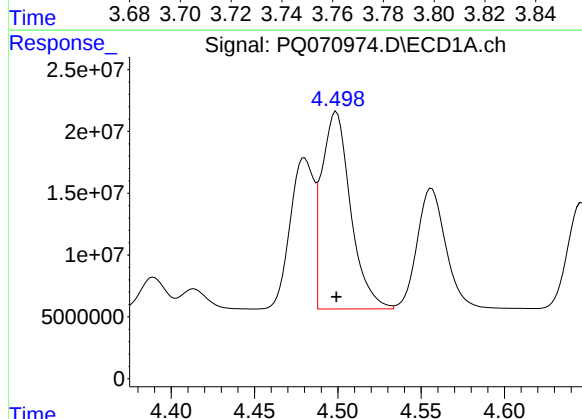
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 121036095
Conc: 750.87 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



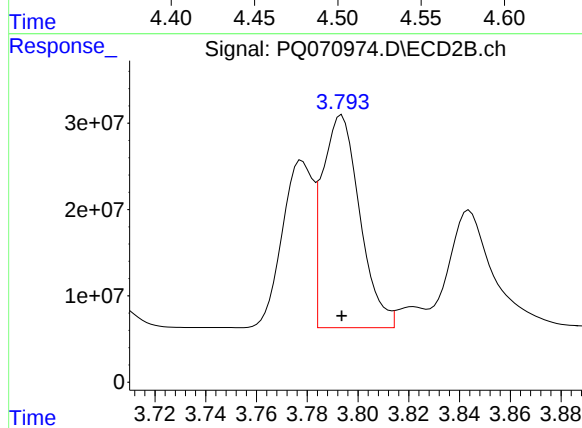
#3 AR-1016-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 162913864
Conc: 759.50 ng/ml



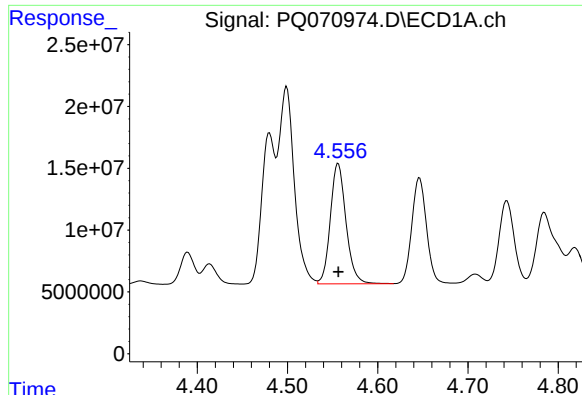
#4 AR-1016-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 192628730
Conc: 763.67 ng/ml



#4 AR-1016-2

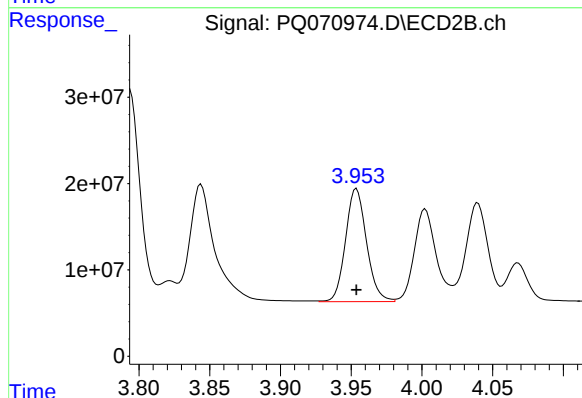
R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 252696401
Conc: 766.12 ng/ml



#5 AR-1016-3

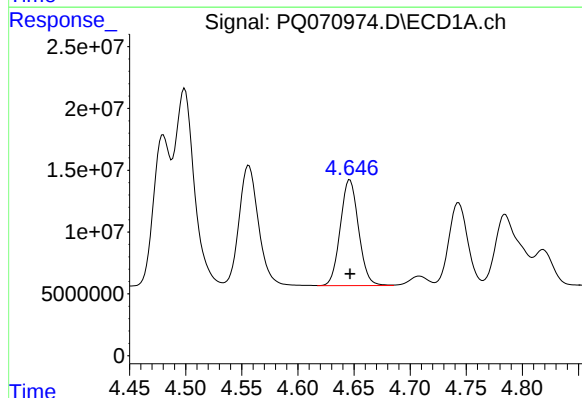
R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 117587028
Conc: 755.58 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



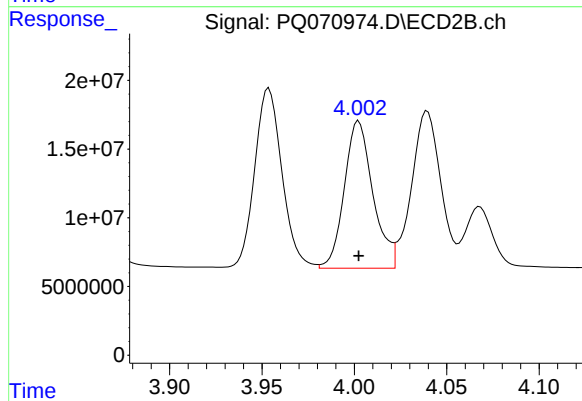
#5 AR-1016-3

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 135401603
Conc: 763.88 ng/ml



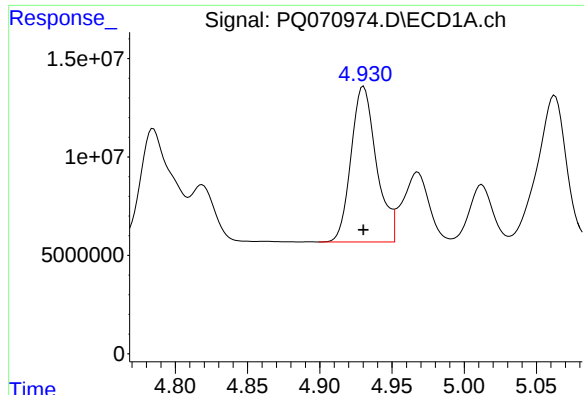
#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 97033800
Conc: 757.31 ng/ml



#6 AR-1016-4

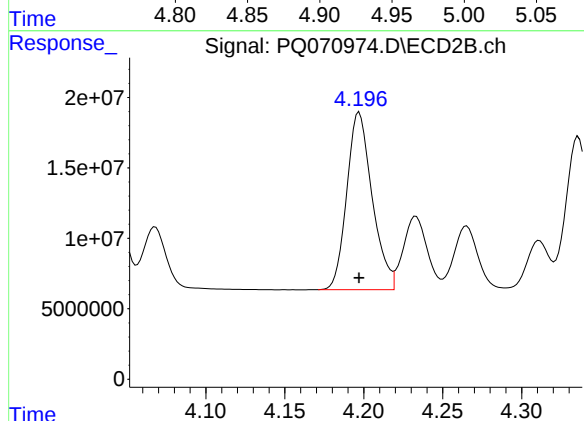
R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 115566331
Conc: 762.09 ng/ml



#7 AR-1016-5

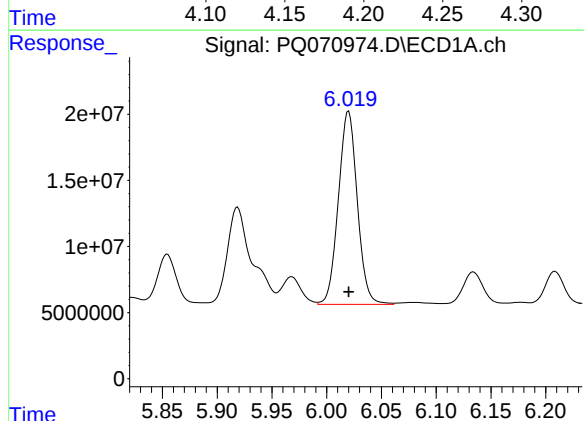
R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 96409305
Conc: 762.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



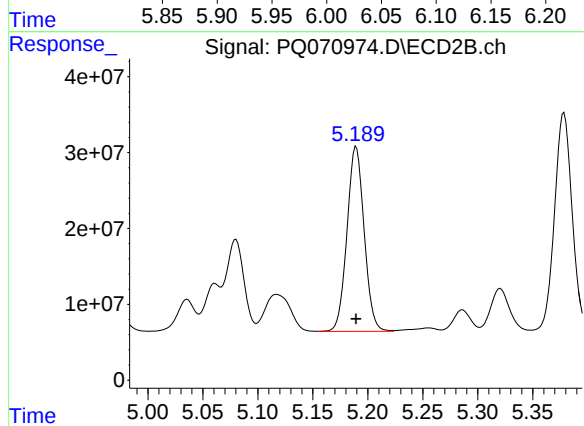
#7 AR-1016-5

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 140993849
Conc: 760.39 ng/ml



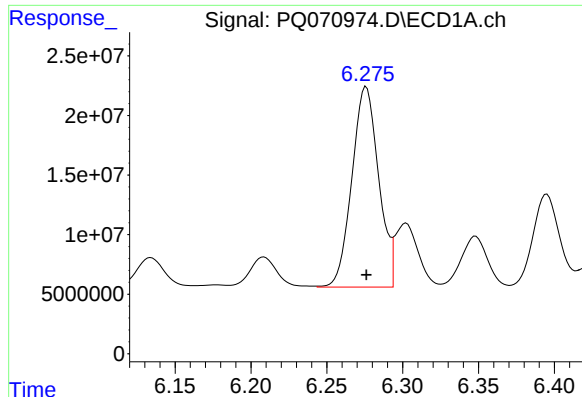
#31 AR-1260-1

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 175646524
Conc: 769.25 ng/ml



#31 AR-1260-1

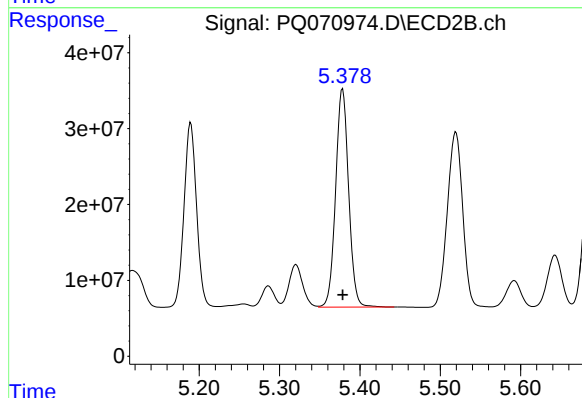
R.T.: 5.189 min
Delta R.T.: 0.000 min
Response: 264584355
Conc: 762.77 ng/ml



#32 AR-1260-2

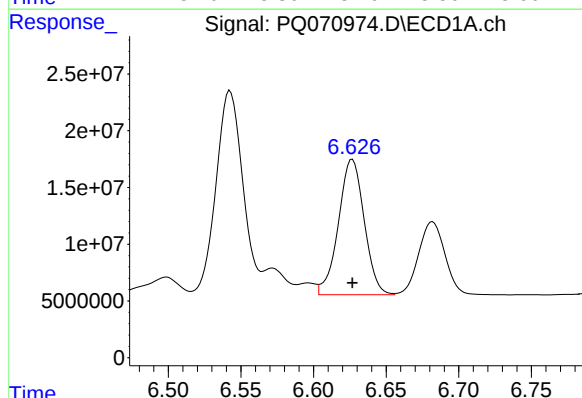
R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 206449688
Conc: 767.78 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



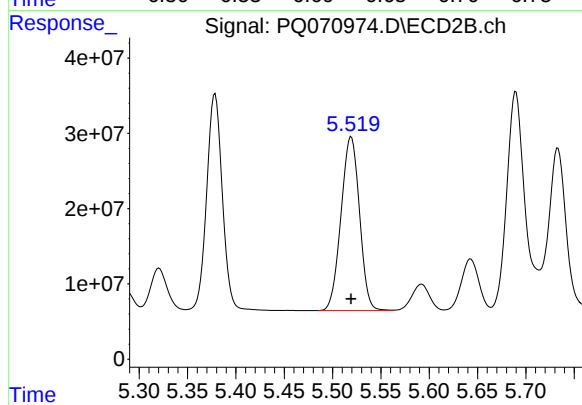
#32 AR-1260-2

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 324058699
Conc: 762.29 ng/ml



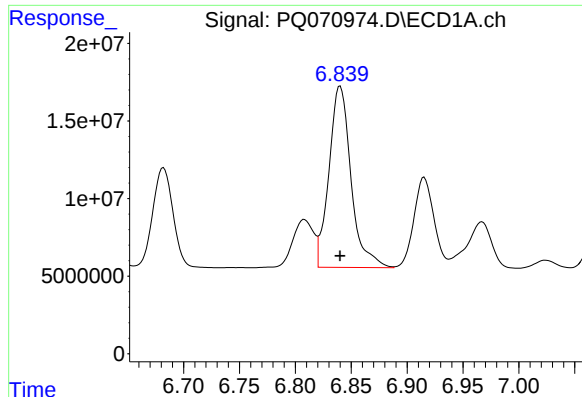
#33 AR-1260-3

R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 147318344
Conc: 763.18 ng/ml



#33 AR-1260-3

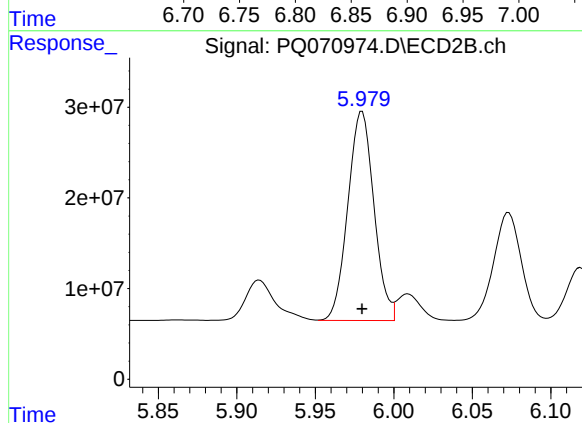
R.T.: 5.519 min
Delta R.T.: 0.000 min
Response: 307498276
Conc: 763.63 ng/ml



#34 AR-1260-4

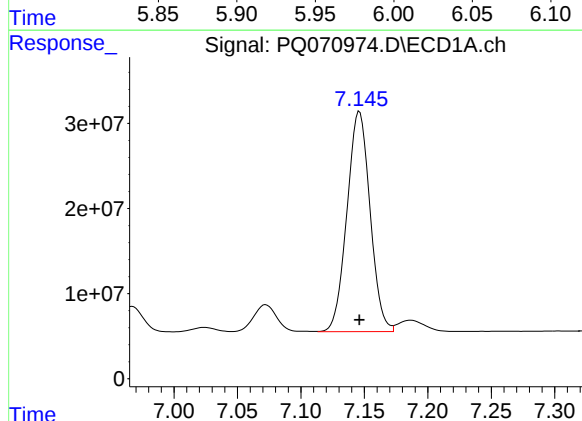
R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 160697330
Conc: 765.82 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750



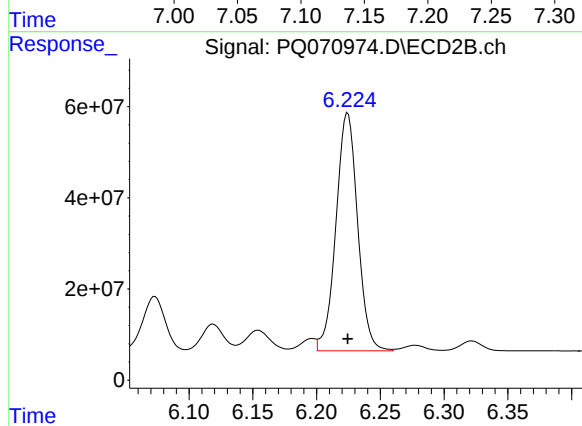
#34 AR-1260-4

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 267062083
Conc: 764.09 ng/ml



#35 AR-1260-5

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 327673748
Conc: 764.76 ng/ml



#35 AR-1260-5

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 616861043
Conc: 749.38 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 09:26
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 10:49:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 10:49:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	222.4E6	265.7E6	50.000	50.000
2) SA Decachlor...	8.496	7.533	150.9E6	258.3E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	4.480	3.778	84783442	114.1E6	500.000	500.000
4) L1 AR-1016-2	4.499	3.793	132.3E6	172.8E6	500.000	500.000
5) L1 AR-1016-3	4.556	3.953	82208498	93517571	500.000	500.000
6) L1 AR-1016-4	4.646	4.002	67424126	80581398	500.000	500.000
7) L1 AR-1016-5	4.931	4.197	66668174	98481559	500.000	500.000
31) L7 AR-1260-1	6.019	5.189	120.9E6	182.9E6	500.000	500.000
32) L7 AR-1260-2	6.275	5.378	143.9E6	225.2E6	500.000	500.000
33) L7 AR-1260-3	6.626	5.519	102.3E6	211.8E6	500.000	500.000
34) L7 AR-1260-4	6.840	5.979	111.8E6	184.2E6	500.000	500.000
35) L7 AR-1260-5	7.145	6.224	223.8E6	436.5E6	500.000	500.000

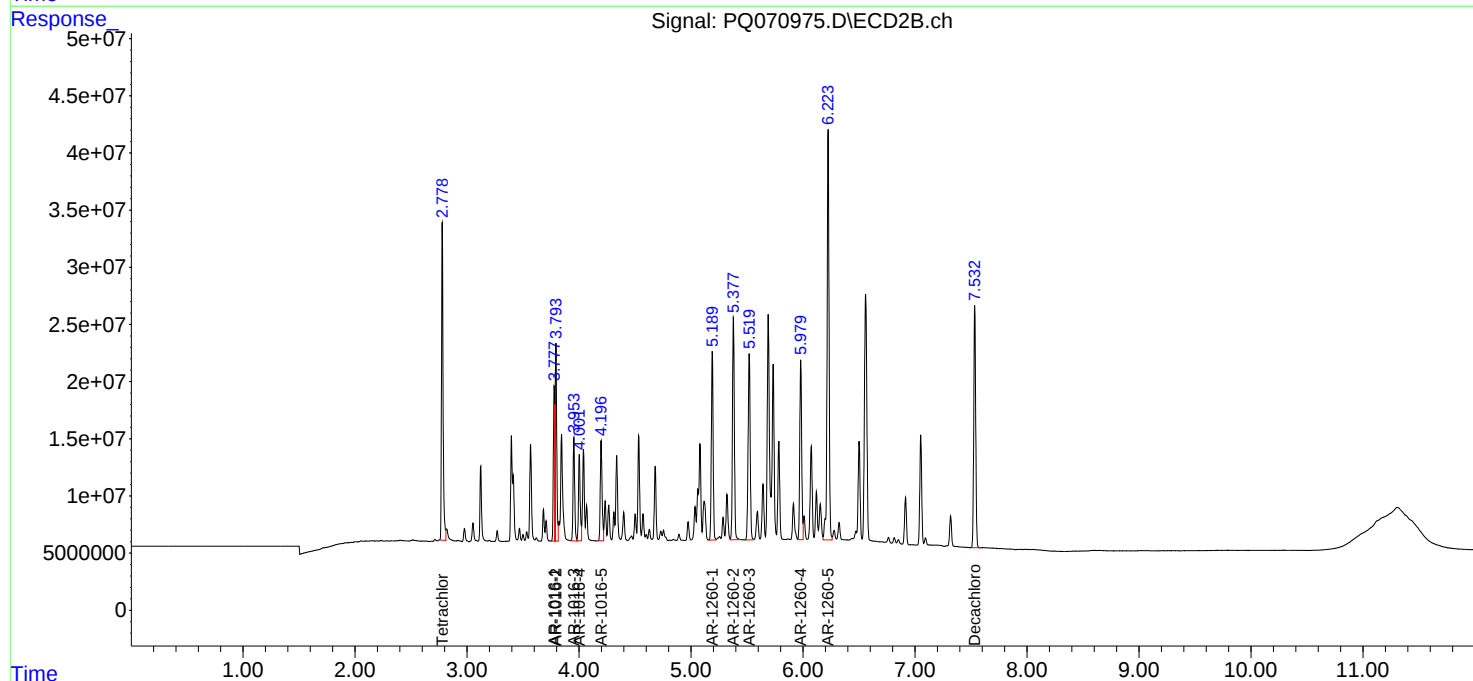
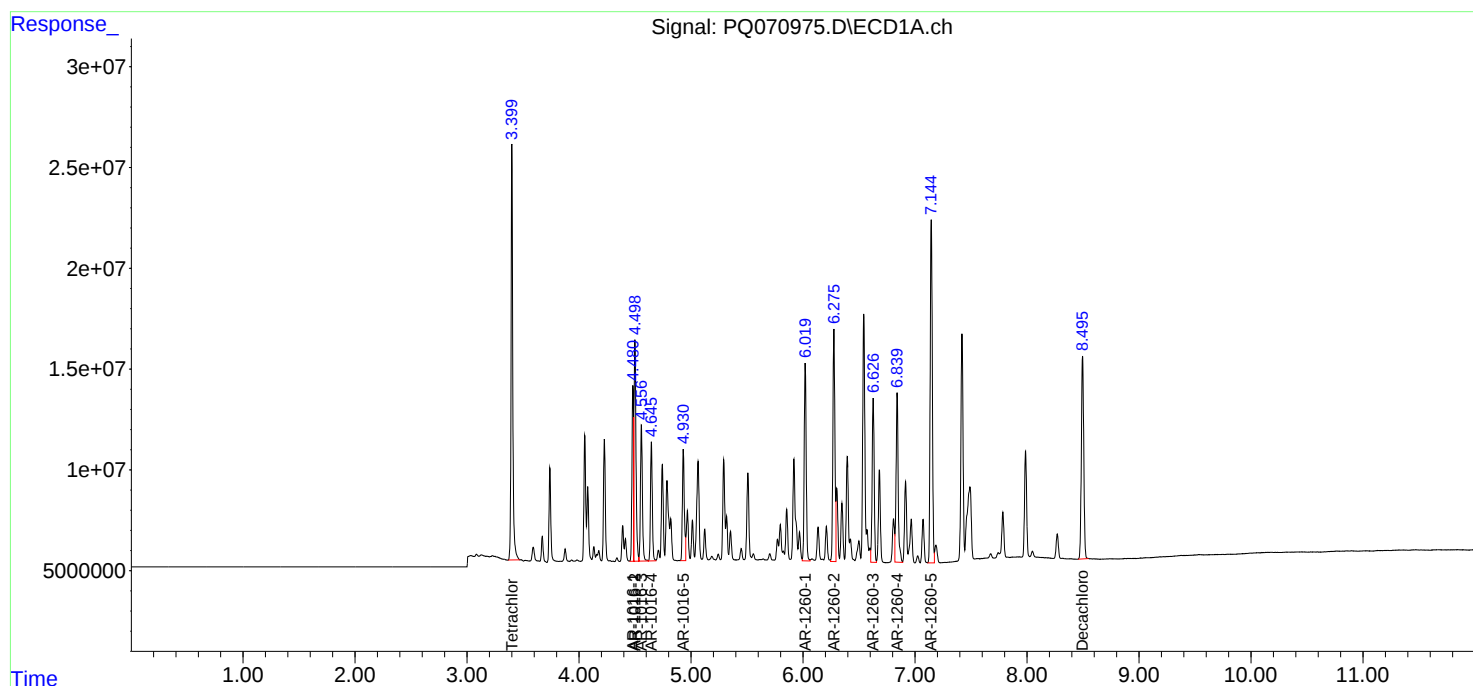
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

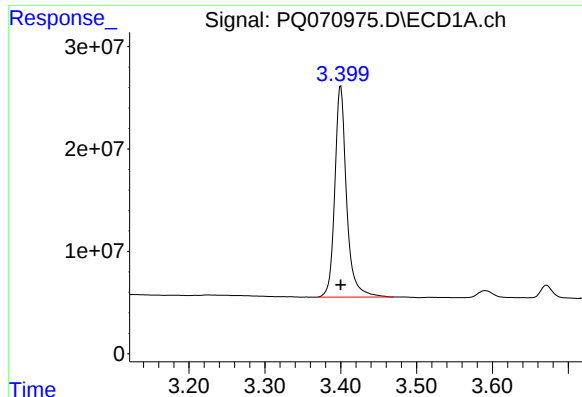
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 09:26
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 10:49:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 10:49:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

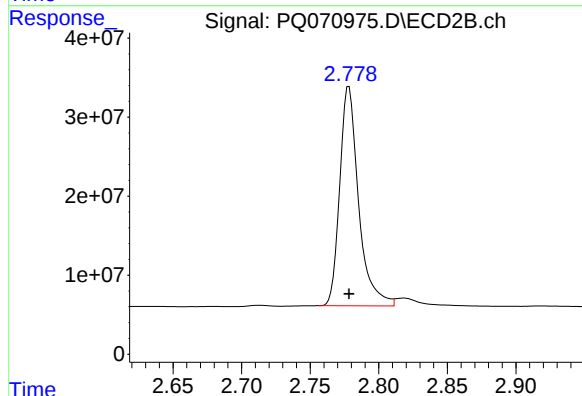




#1 Tetrachloro-m-xylene

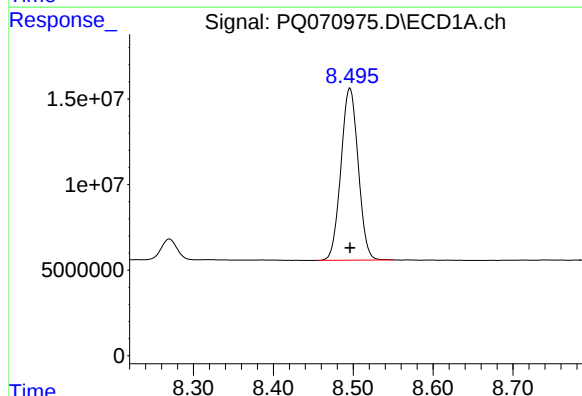
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 222389121
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



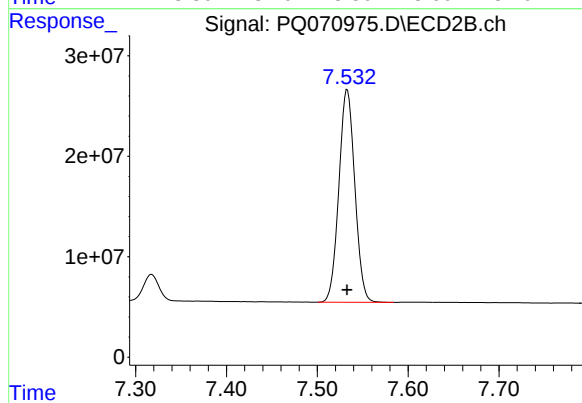
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 265685397
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

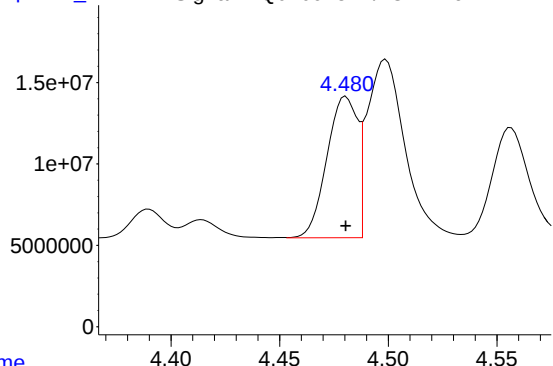
R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 150851883
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 258271490
Conc: 50.00 ng/ml

Response_ Signal: PQ070975.D\ECD1A.ch

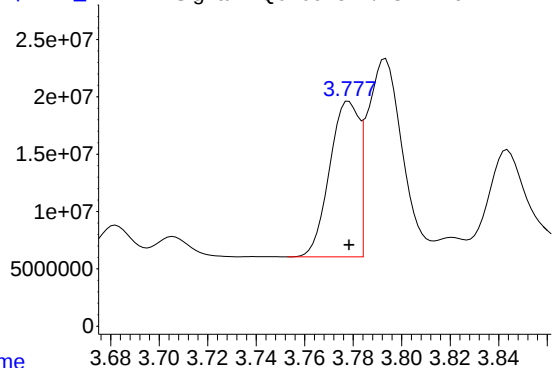


#3 AR-1016-1

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 84783442
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500

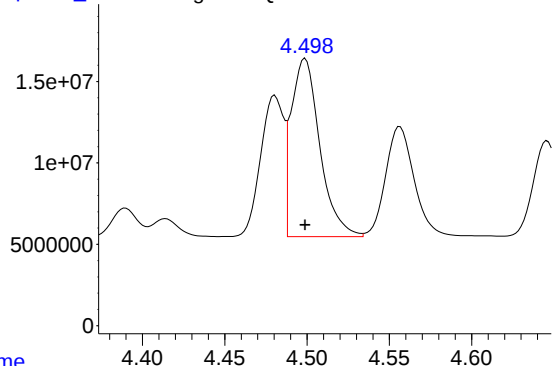
Time Response_ Signal: PQ070975.D\ECD2B.ch



#3 AR-1016-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 114094944
Conc: 500.00 ng/ml

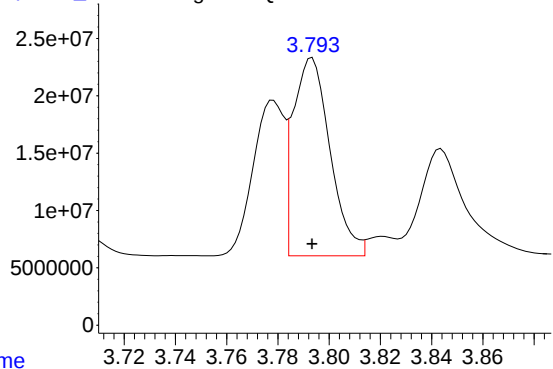
Time Response_ Signal: PQ070975.D\ECD1A.ch



#4 AR-1016-2

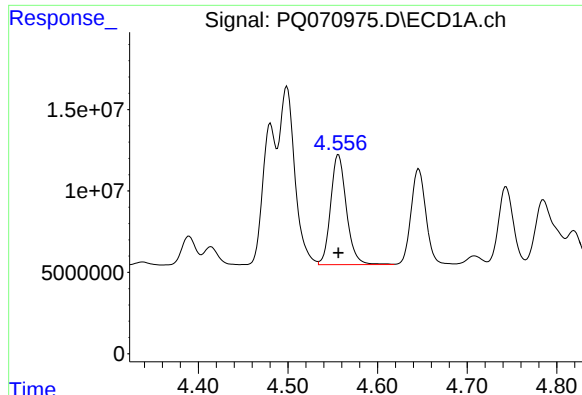
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 132302716
Conc: 500.00 ng/ml

Time Response_ Signal: PQ070975.D\ECD2B.ch



#4 AR-1016-2

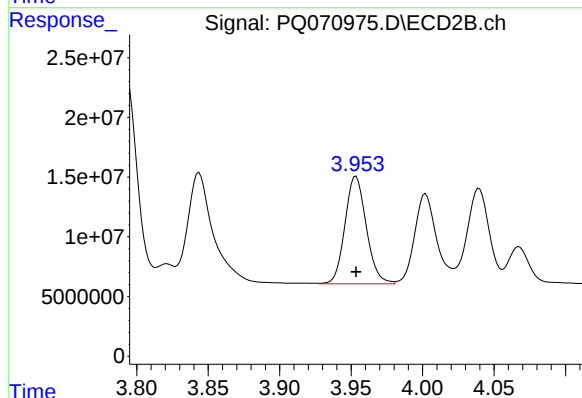
R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 172805809
Conc: 500.00 ng/ml



#5 AR-1016-3

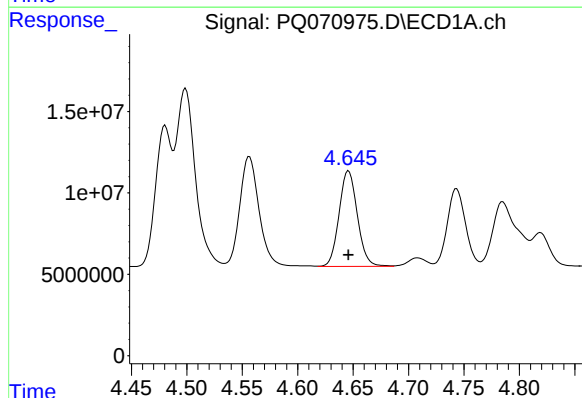
R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 82208498
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



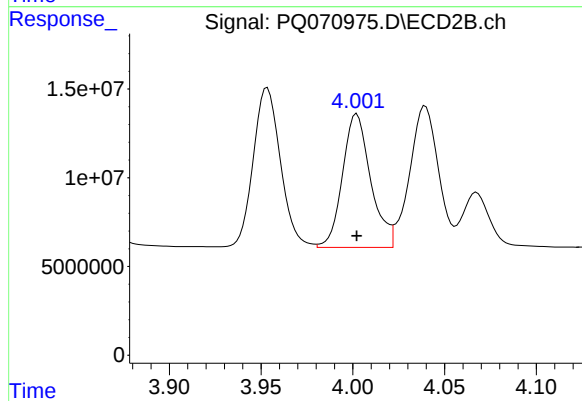
#5 AR-1016-3

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 93517571
Conc: 500.00 ng/ml



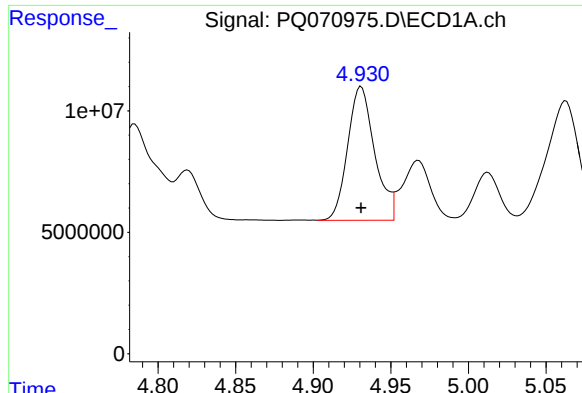
#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 67424126
Conc: 500.00 ng/ml



#6 AR-1016-4

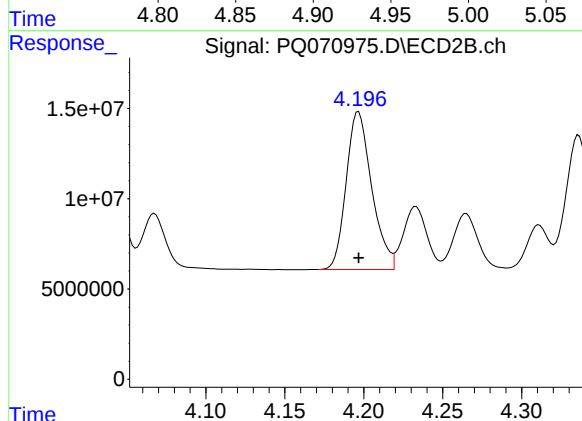
R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 80581398
Conc: 500.00 ng/ml



#7 AR-1016-5

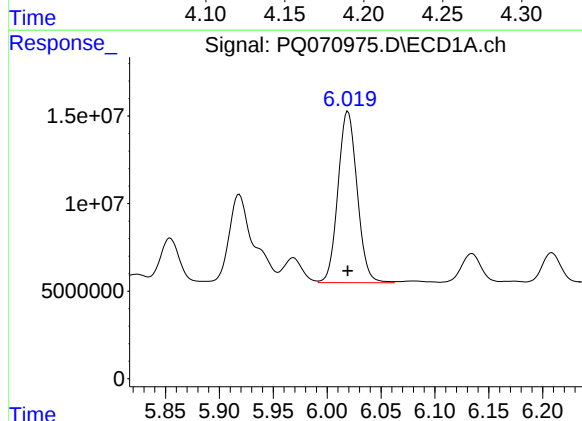
R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 66668174
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



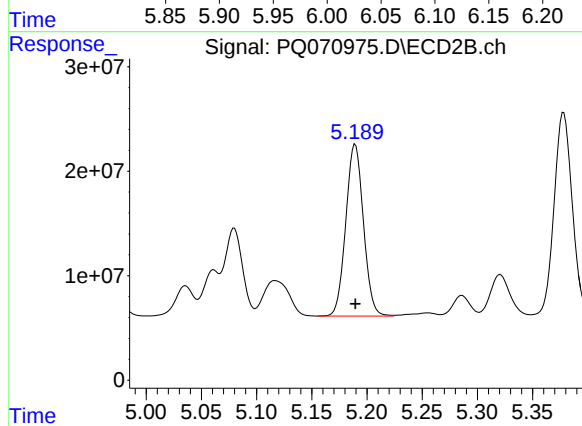
#7 AR-1016-5

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 98481559
Conc: 500.00 ng/ml



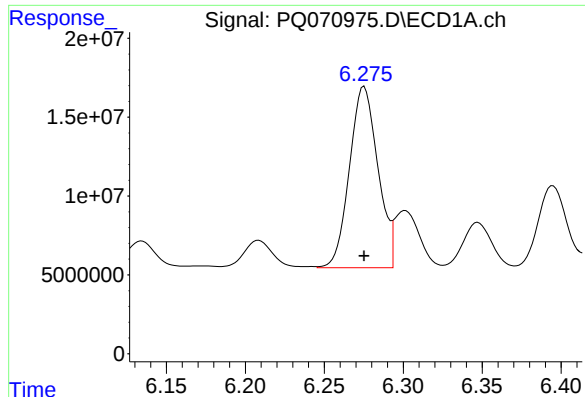
#31 AR-1260-1

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 120938759
Conc: 500.00 ng/ml



#31 AR-1260-1

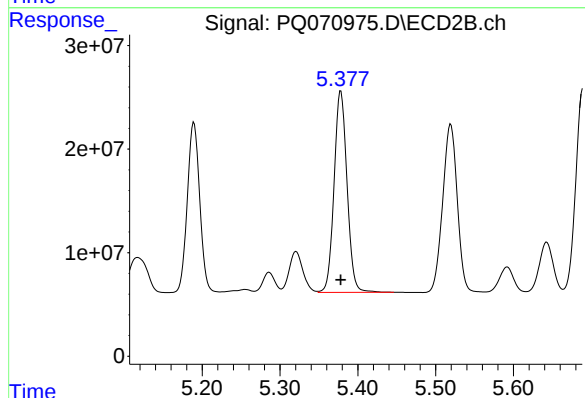
R.T.: 5.189 min
Delta R.T.: 0.000 min
Response: 182871121
Conc: 500.00 ng/ml



#32 AR-1260-2

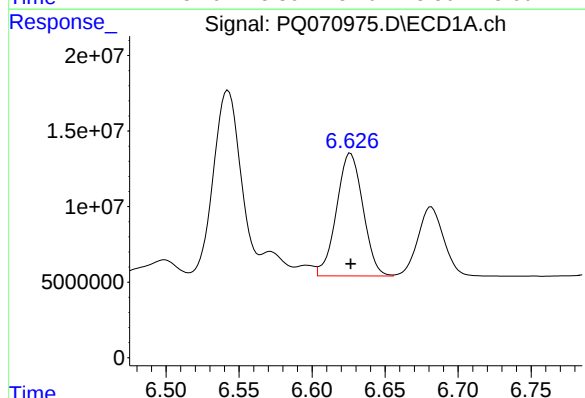
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 143855136
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500



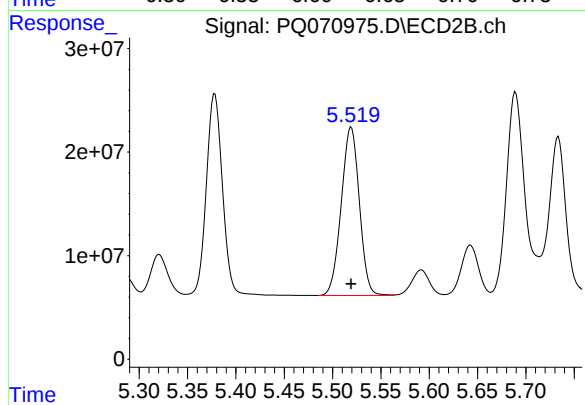
#32 AR-1260-2

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 225169968
Conc: 500.00 ng/ml



#33 AR-1260-3

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 102326803
Conc: 500.00 ng/ml



#33 AR-1260-3

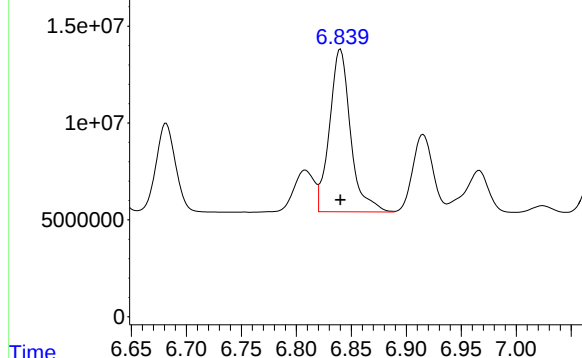
R.T.: 5.519 min
Delta R.T.: 0.000 min
Response: 211797535
Conc: 500.00 ng/ml

Response_ Signal: PQ070975.D\ECD1A.ch

#34 AR-1260-4

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 111845082
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500

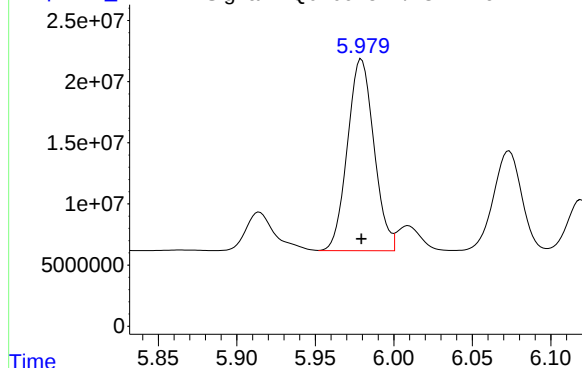


Time 6.65 6.70 6.75 6.80 6.85 6.90 6.95 7.00

Response_ Signal: PQ070975.D\ECD2B.ch

#34 AR-1260-4

R.T.: 5.979 min
Delta R.T.: 0.000 min
Response: 184150913
Conc: 500.00 ng/ml

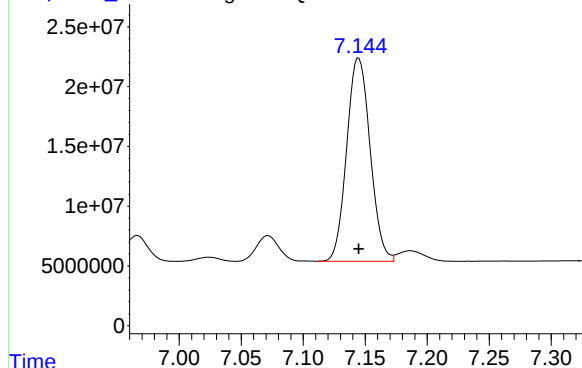


Time 5.85 5.90 5.95 6.00 6.05 6.10

Response_ Signal: PQ070975.D\ECD1A.ch

#35 AR-1260-5

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 223753809
Conc: 500.00 ng/ml

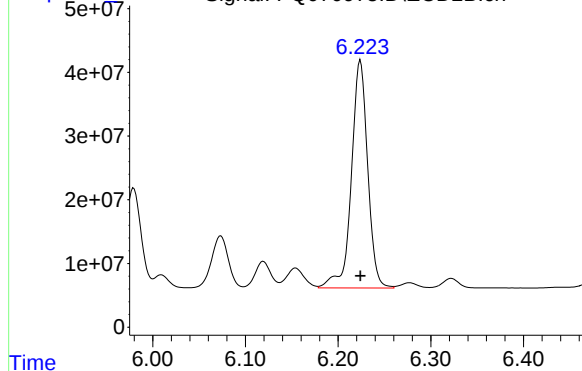


Time 7.00 7.05 7.10 7.15 7.20 7.25 7.30

Response_ Signal: PQ070975.D\ECD2B.ch

#35 AR-1260-5

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 436544757
Conc: 500.00 ng/ml



Time 6.00 6.10 6.20 6.30 6.40

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 09:40
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 11:01:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 10:49:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	112.4E6	132.6E6	25.824	25.753
2) SA Decachlor...	8.495	7.534	77430043	134.0E6	26.685	26.803
Target Compounds						
3) L1 AR-1016-1	4.480	3.778	43873025	59445752	266.271	269.814
4) L1 AR-1016-2	4.499	3.794	67879501	89768912	264.062	266.260
5) L1 AR-1016-3	4.557	3.954	42399194	48815753	266.464	268.576
6) L1 AR-1016-4	4.646	4.003	34575940	42722621	264.598	273.066
7) L1 AR-1016-5	4.931	4.197	34076692	51408265	264.457	269.895
31) L7 AR-1260-1	6.019	5.190	61964969	95539541	265.698	268.599
32) L7 AR-1260-2	6.275	5.379	74180101	116.7E6	268.916	267.943
33) L7 AR-1260-3	6.626	5.520	52397657	109.0E6	265.747	265.224
34) L7 AR-1260-4	6.840	5.980	57203584	95029278	266.583	266.063
35) L7 AR-1260-5	7.146	6.224	113.0E6	220.2E6	260.134	262.889

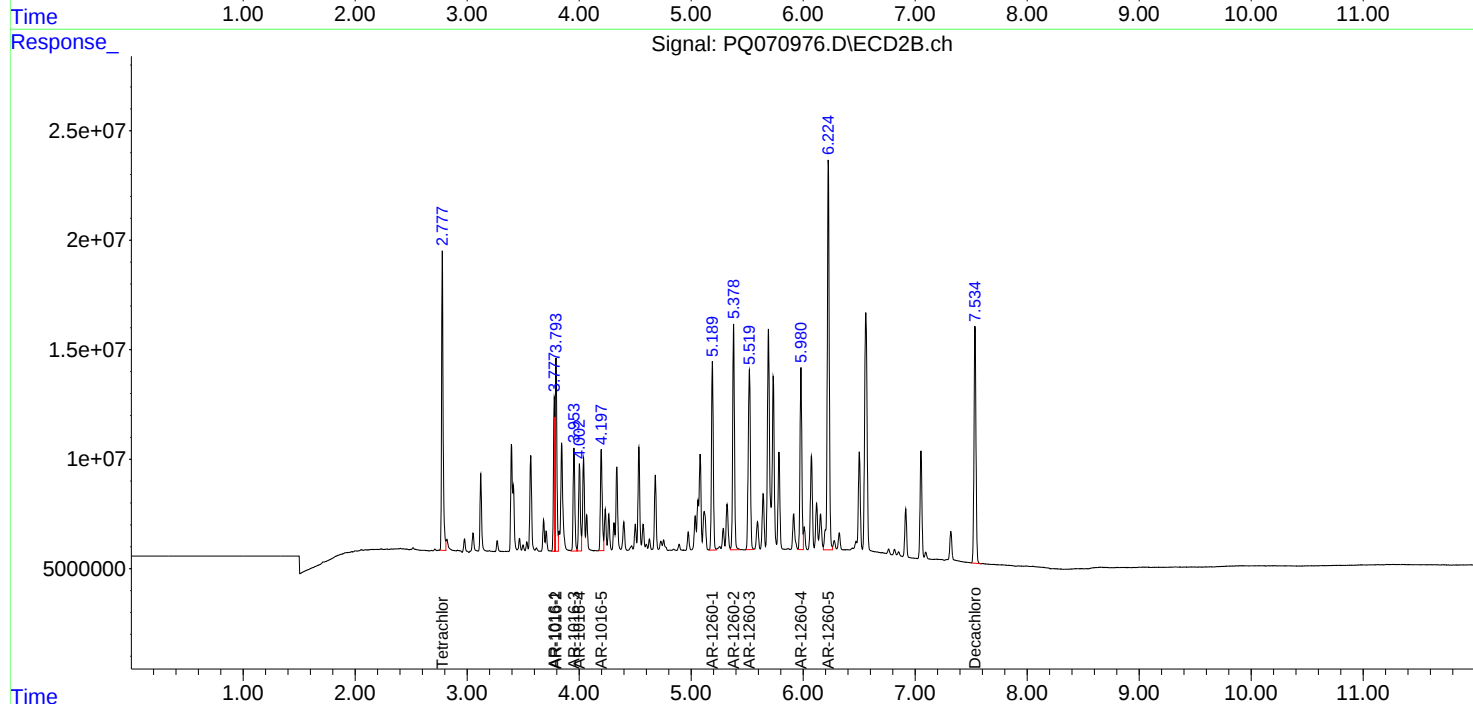
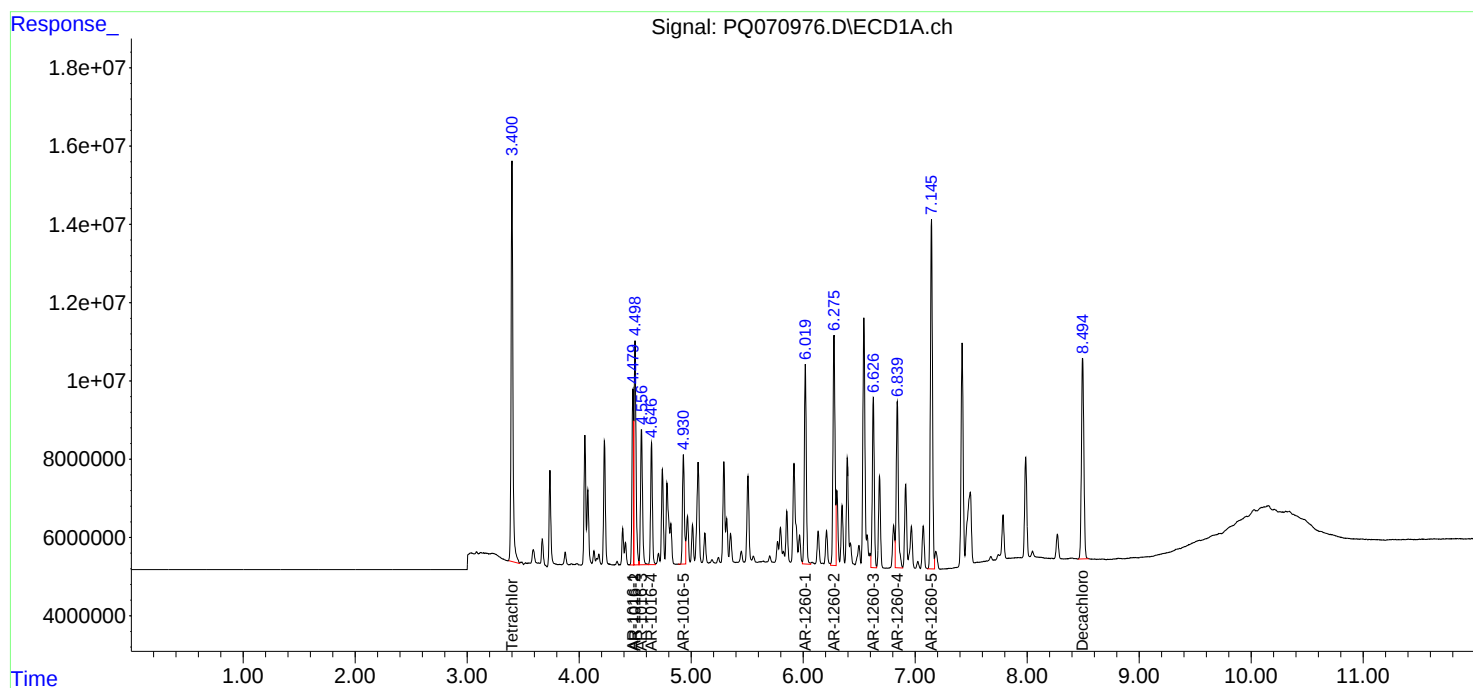
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

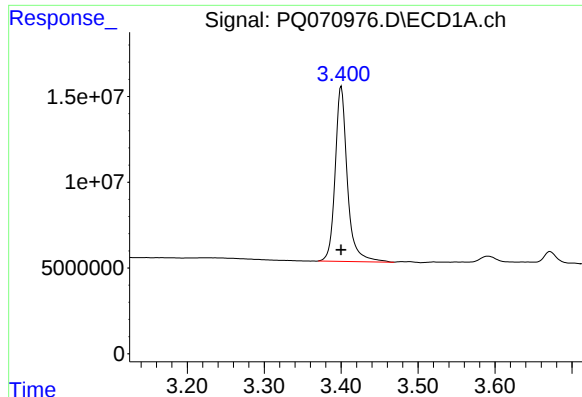
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 09:40
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 11:01:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 10:49:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

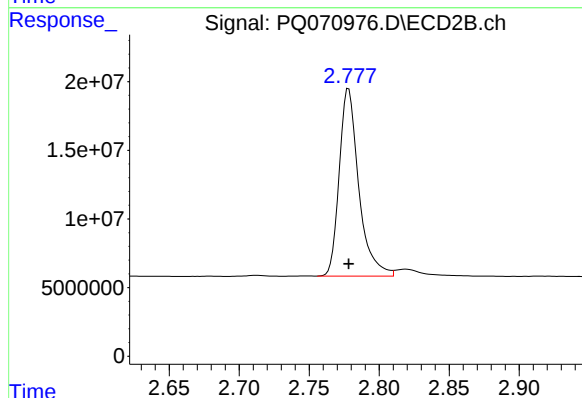




#1 Tetrachloro-m-xylene

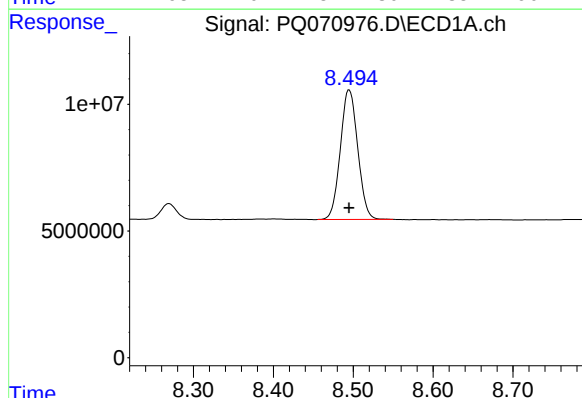
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 112427951
Conc: 25.82 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



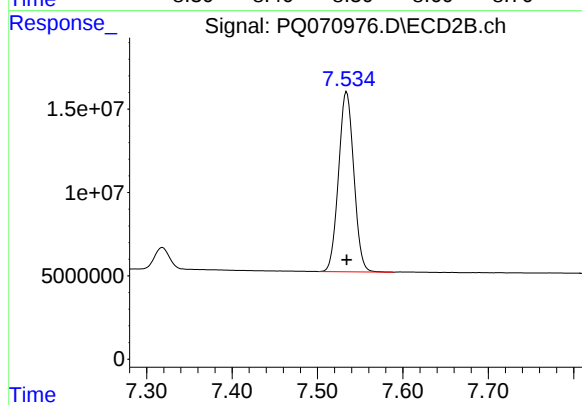
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 132564653
Conc: 25.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 77430043
Conc: 26.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 133997963
Conc: 26.80 ng/ml

Response_

Signal: PQ070976.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.480 min

Delta R.T.: 0.000 min

Response: 43873025

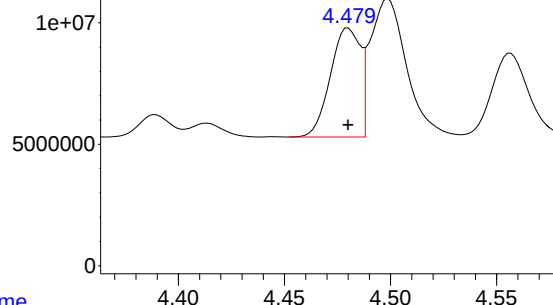
Conc: 266.27 ng/ml

Instrument :

ECD_Q

ClientSampleId :

AR1660ICC250



Time

Response_

Signal: PQ070976.D\ECD2B.ch

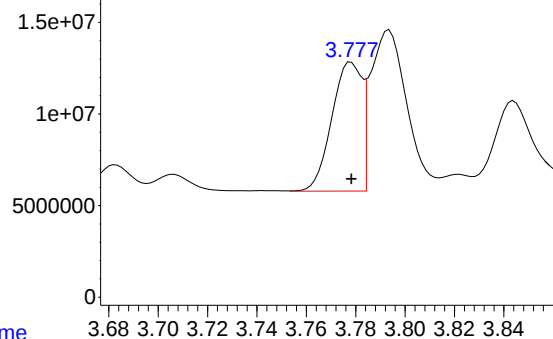
#3 AR-1016-1

R.T.: 3.778 min

Delta R.T.: 0.000 min

Response: 59445752

Conc: 269.81 ng/ml



Time

Response_

Signal: PQ070976.D\ECD1A.ch

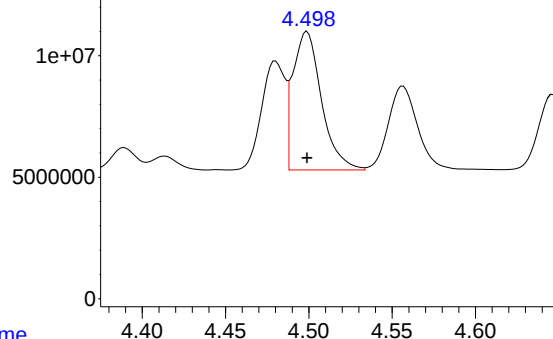
#4 AR-1016-2

R.T.: 4.499 min

Delta R.T.: 0.000 min

Response: 67879501

Conc: 264.06 ng/ml



Time

Response_

Signal: PQ070976.D\ECD2B.ch

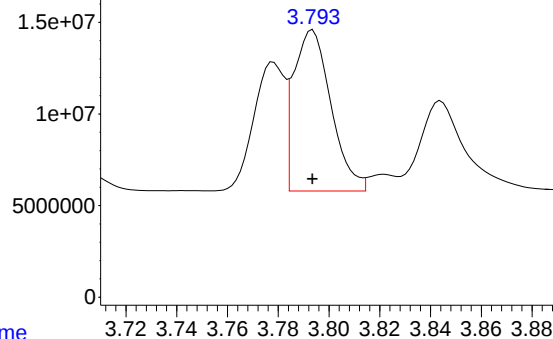
#4 AR-1016-2

R.T.: 3.794 min

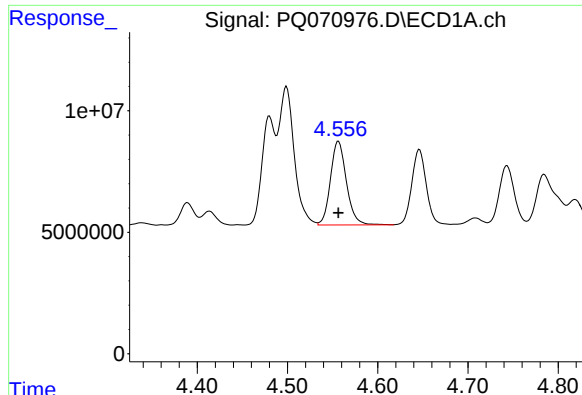
Delta R.T.: 0.000 min

Response: 89768912

Conc: 266.26 ng/ml



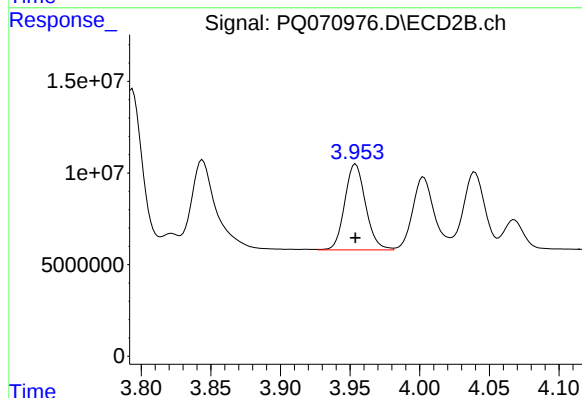
Time



#5 AR-1016-3

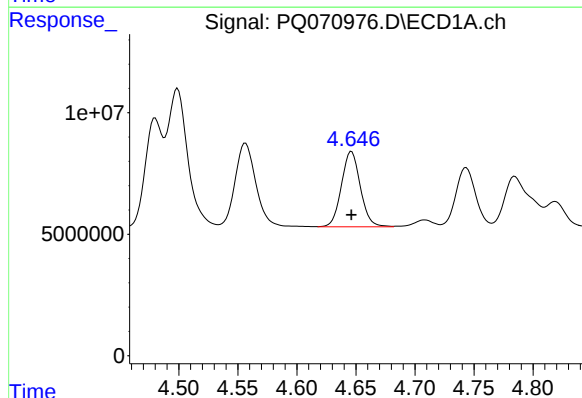
R.T.: 4.557 min
Delta R.T.: 0.000 min
Response: 42399194
Conc: 266.46 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



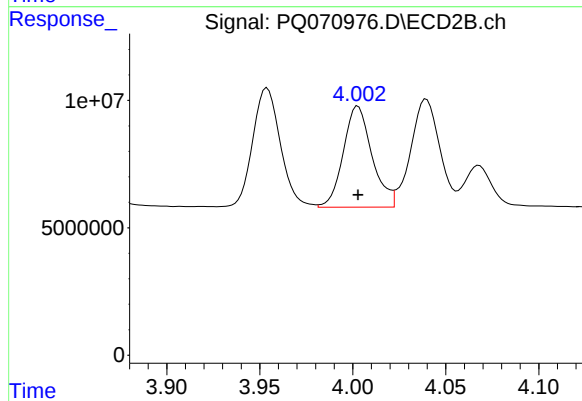
#5 AR-1016-3

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 48815753
Conc: 268.58 ng/ml



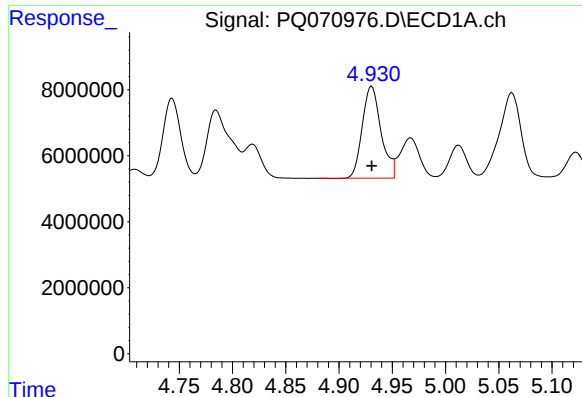
#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 34575940
Conc: 264.60 ng/ml



#6 AR-1016-4

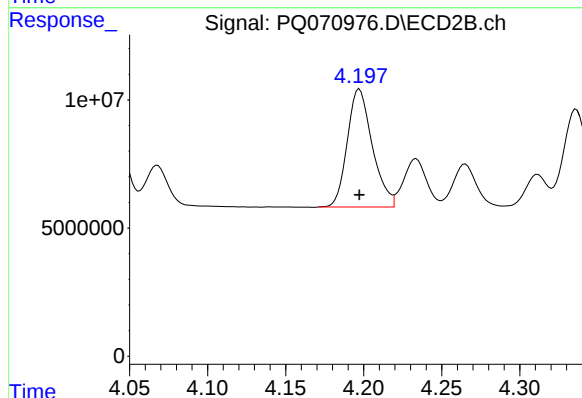
R.T.: 4.003 min
Delta R.T.: 0.000 min
Response: 42722621
Conc: 273.07 ng/ml



#7 AR-1016-5

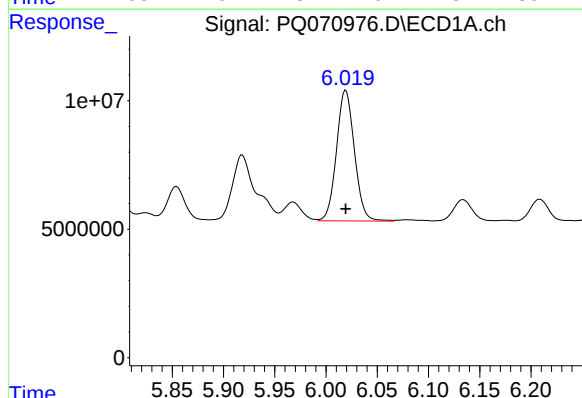
R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 34076692
Conc: 264.46 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



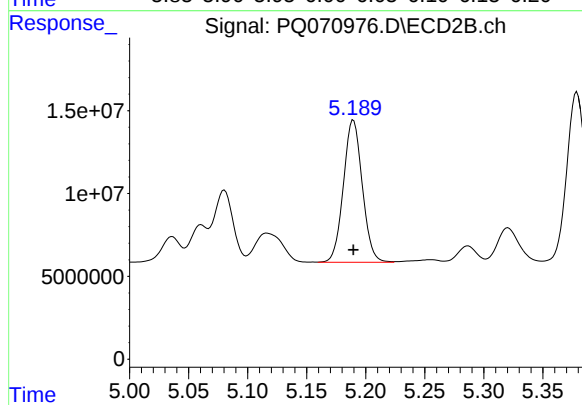
#7 AR-1016-5

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 51408265
Conc: 269.90 ng/ml



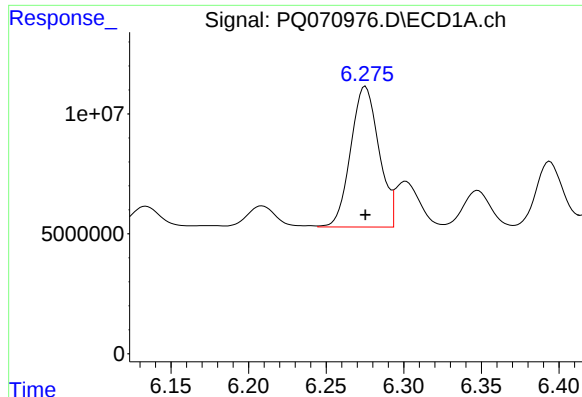
#31 AR-1260-1

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 61964969
Conc: 265.70 ng/ml



#31 AR-1260-1

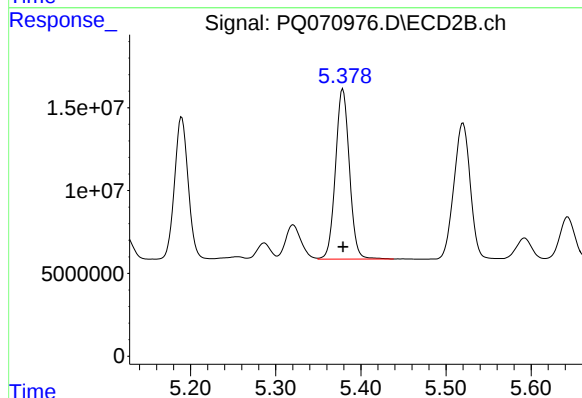
R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 95539541
Conc: 268.60 ng/ml



#32 AR-1260-2

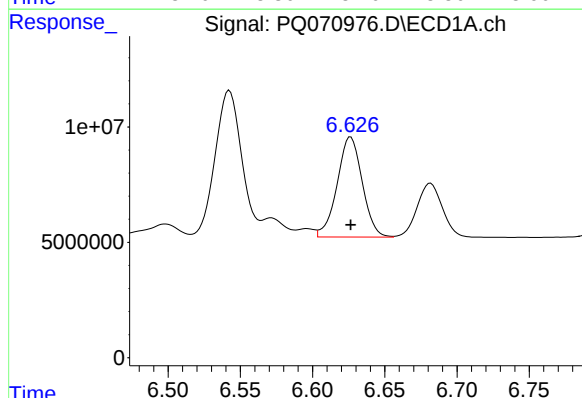
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 74180101
Conc: 268.92 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



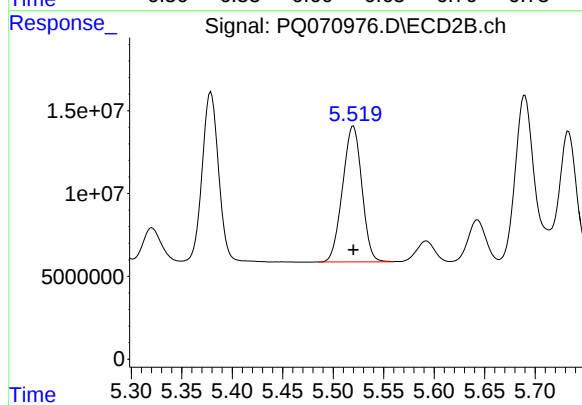
#32 AR-1260-2

R.T.: 5.379 min
Delta R.T.: 0.000 min
Response: 116697737
Conc: 267.94 ng/ml



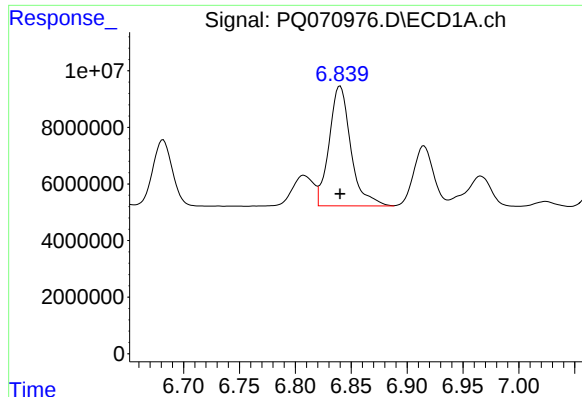
#33 AR-1260-3

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 52397657
Conc: 265.75 ng/ml



#33 AR-1260-3

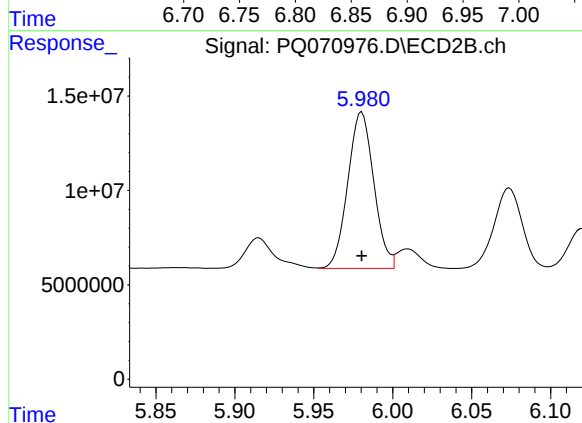
R.T.: 5.520 min
Delta R.T.: 0.000 min
Response: 109012506
Conc: 265.22 ng/ml



#34 AR-1260-4

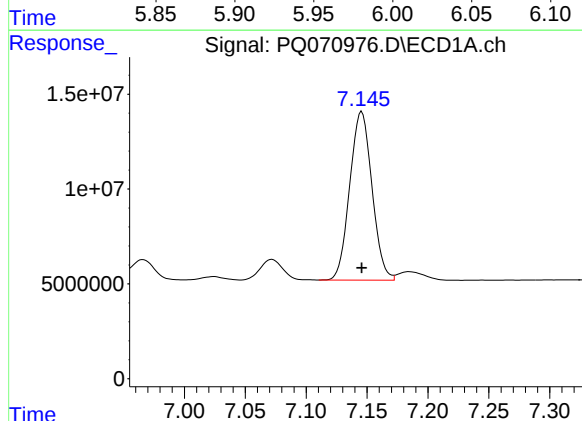
R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 57203584
Conc: 266.58 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250



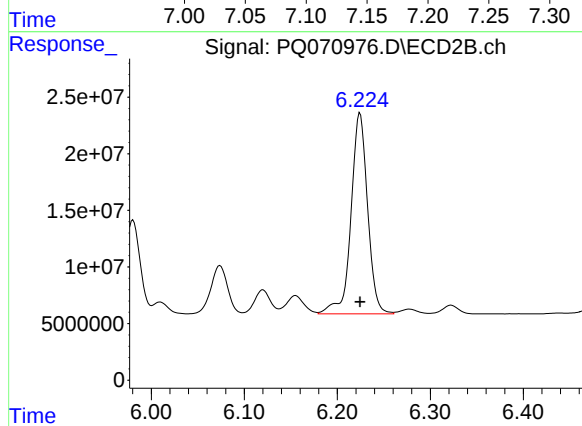
#34 AR-1260-4

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 95029278
Conc: 266.06 ng/ml



#35 AR-1260-5

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 112984855
Conc: 260.13 ng/ml



#35 AR-1260-5

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 220185144
Conc: 262.89 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
 Data File : PQ070977.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 09:55
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/13/2025
 Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 11:05:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Oct 10 10:49:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	21685891	24048483	4.985	4.734
2) SA Decachlor...	8.495	7.533	14566242	26253649	5.016	5.199
Target Compounds						
3) L1 AR-1016-1	4.480	3.778	8082361	11936188	49.239	53.286
4) L1 AR-1016-2	4.498	3.793	12661786	17601233	49.403	51.750
5) L1 AR-1016-3	4.557	3.953	7955970	9113143	50.000	50.111
6) L1 AR-1016-4	4.645	4.002	6347651	8062138	48.855	51.217
7) L1 AR-1016-5	4.930	4.197	6429669	9865534	49.919	51.425
31) L7 AR-1260-1	6.019	5.190	11974683	18962286	51.162m	52.614
32) L7 AR-1260-2	6.274	5.378	13982610	22891919	50.322m	52.028
33) L7 AR-1260-3	6.626	5.519	10392796	21545658	52.144	51.917
34) L7 AR-1260-4	6.840	5.980	10804624	18507162	50.281	51.443
35) L7 AR-1260-5	7.145	6.224	21577675	42558760	49.744	50.648

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 09:55
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

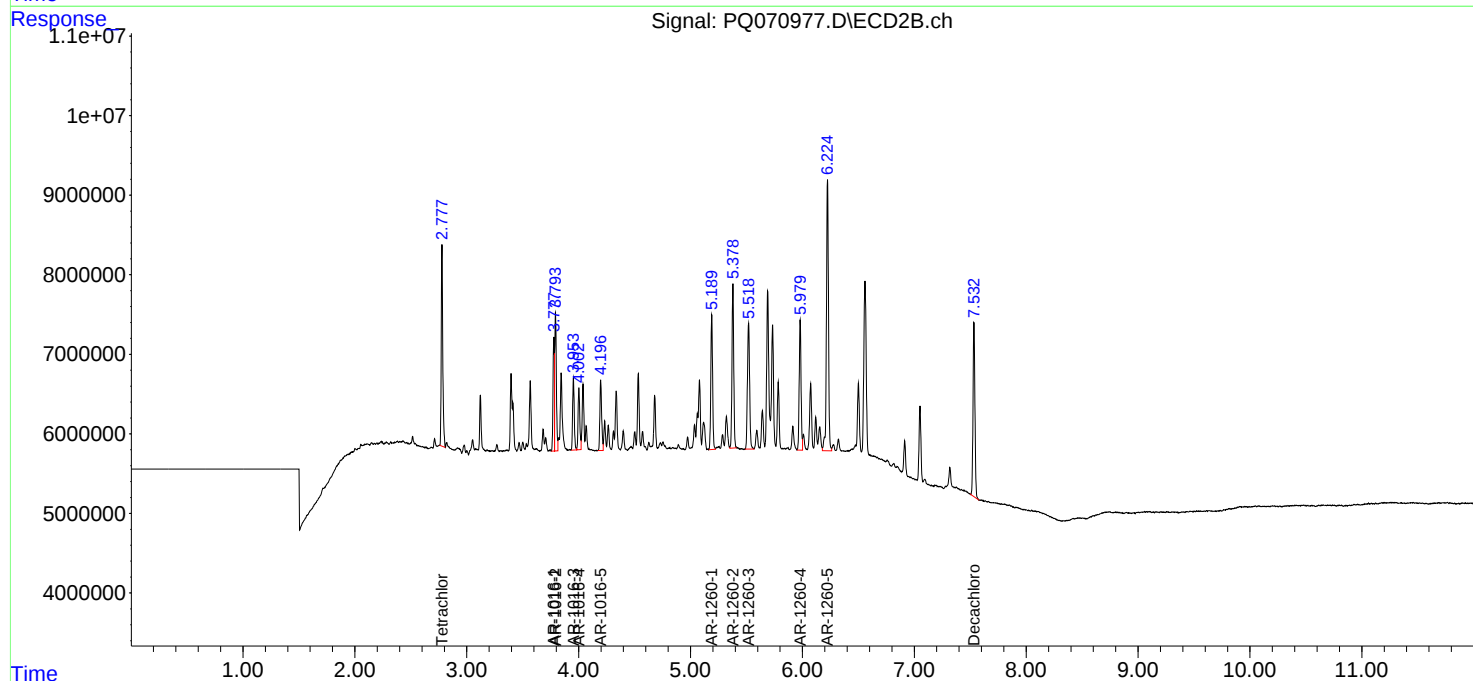
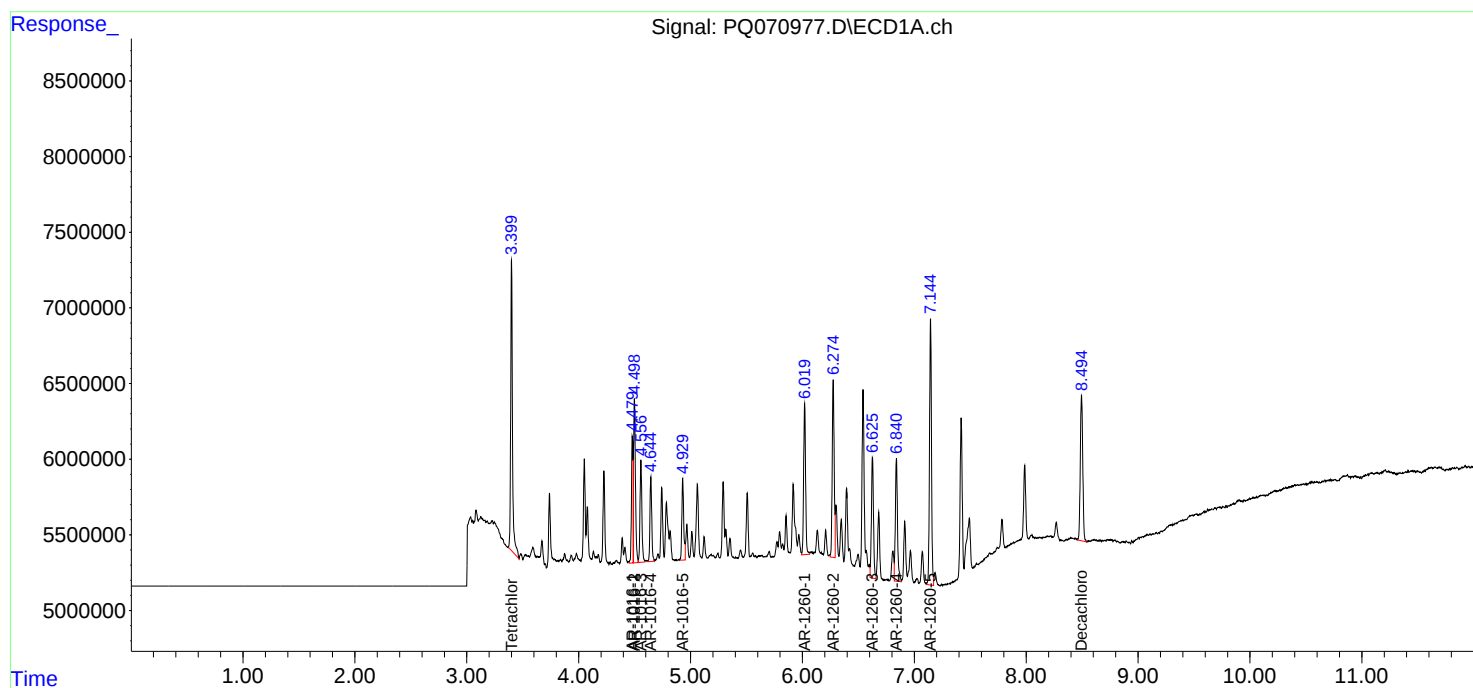
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

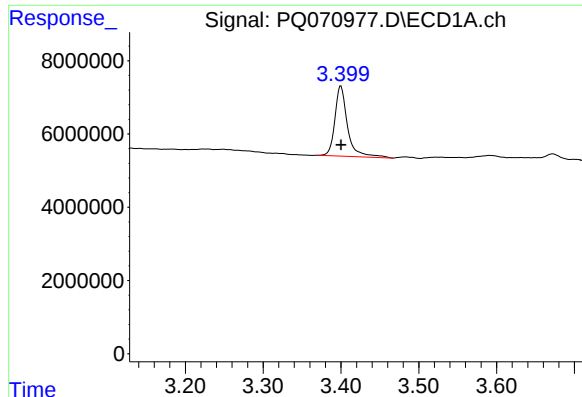
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 11:05:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 10:49:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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





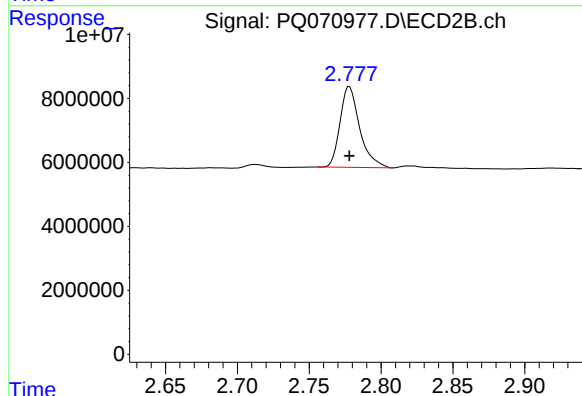
#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 21685891
Conc: 4.98 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

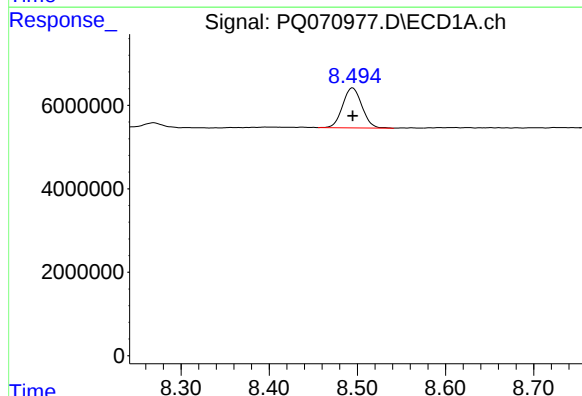
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



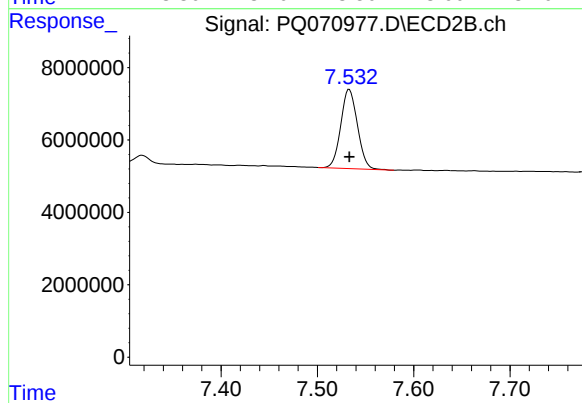
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 24048483
Conc: 4.73 ng/ml



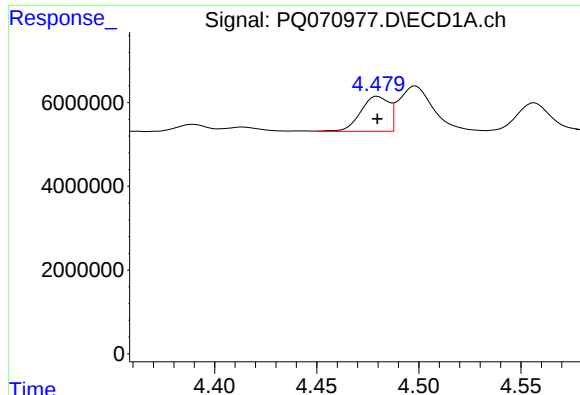
#2 Decachlorobiphenyl

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 14566242
Conc: 5.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 26253649
Conc: 5.20 ng/ml



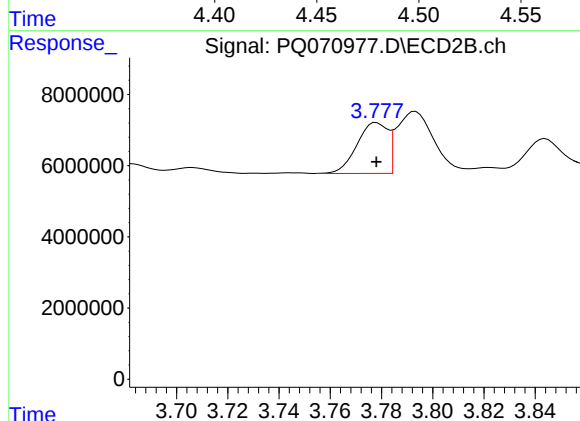
#3 AR-1016-1

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 8082361
Conc: 49.24 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

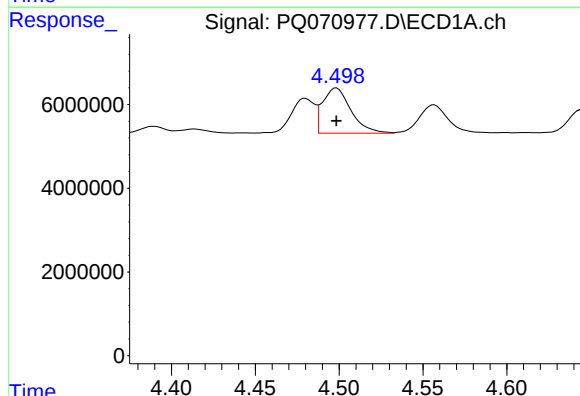
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



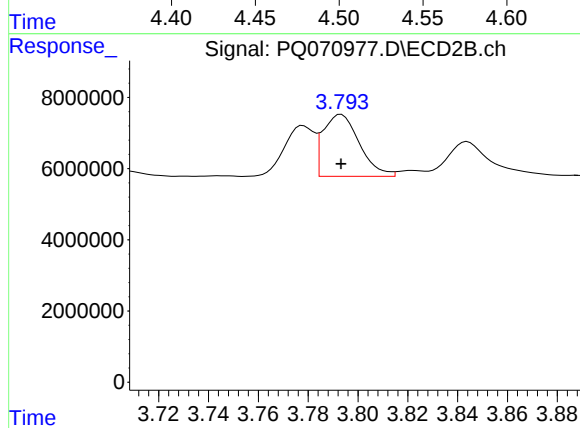
#3 AR-1016-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 11936188
Conc: 53.29 ng/ml



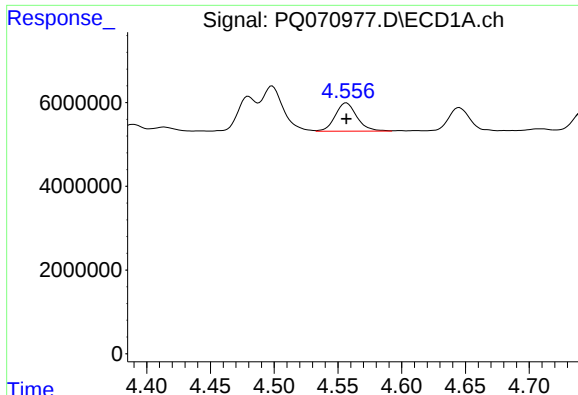
#4 AR-1016-2

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 12661786
Conc: 49.40 ng/ml



#4 AR-1016-2

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 17601233
Conc: 51.75 ng/ml



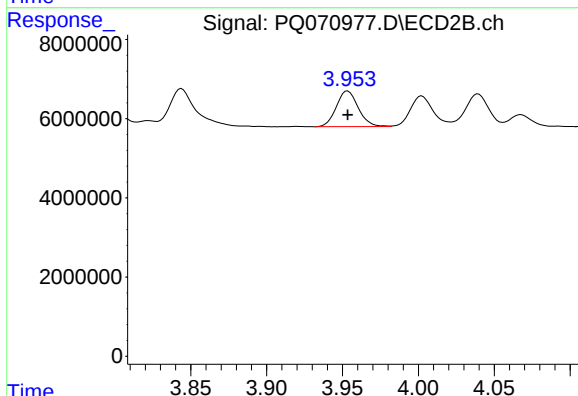
#5 AR-1016-3

R.T.: 4.557 min
Delta R.T.: 0.000 min
Response: 7955970
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

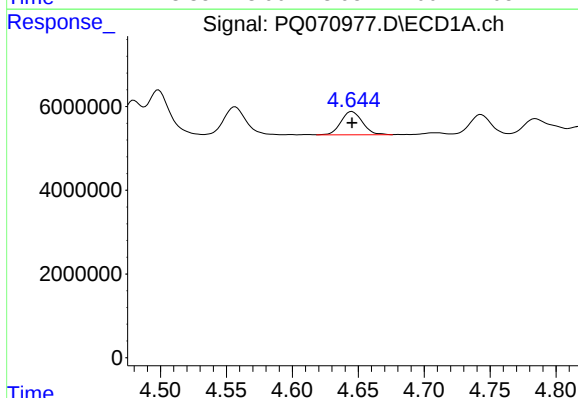
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



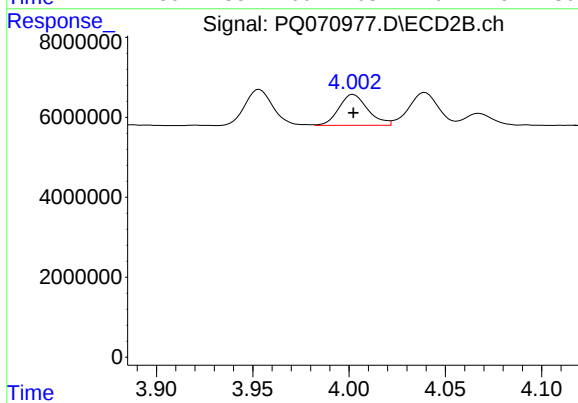
#5 AR-1016-3

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 9113143
Conc: 50.11 ng/ml



#6 AR-1016-4

R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 6347651
Conc: 48.85 ng/ml

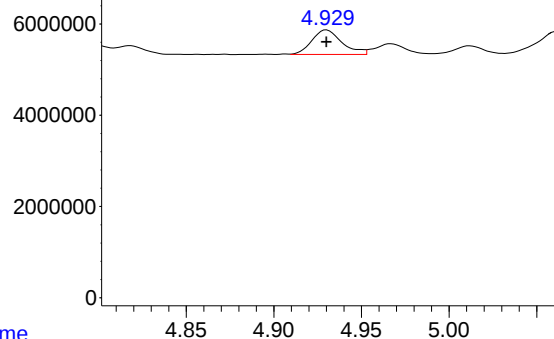


#6 AR-1016-4

R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 8062138
Conc: 51.22 ng/ml

Response_ Signal: PQ070977.D\ECD1A.ch

#7 AR-1016-5



R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 6429669
Conc: 49.92 ng/ml

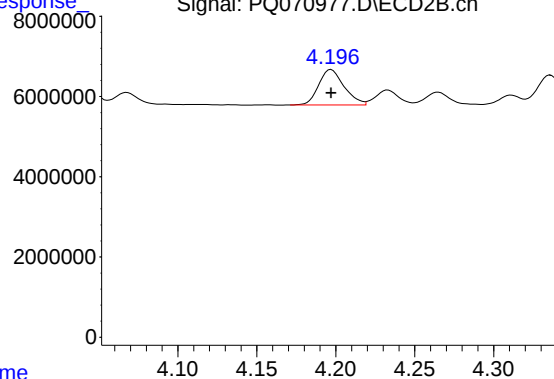
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Time Response_ Signal: PQ070977.D\ECD2B.ch

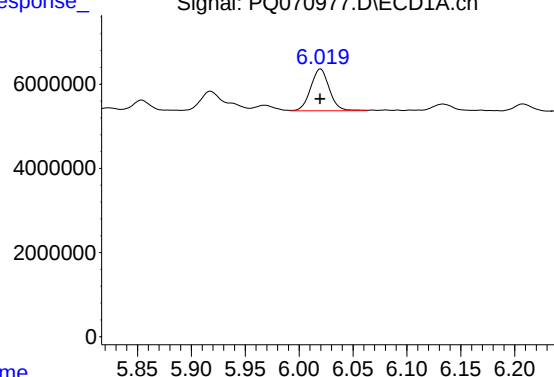
#7 AR-1016-5



R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 9865534
Conc: 51.43 ng/ml

Time Response_ Signal: PQ070977.D\ECD1A.ch

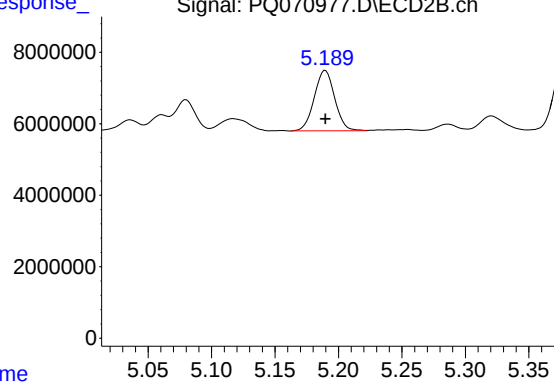
#31 AR-1260-1



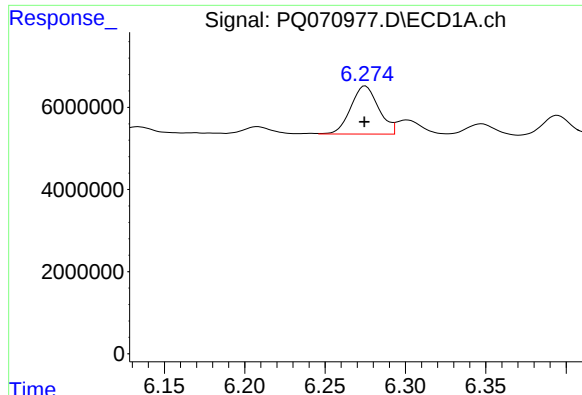
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 11974683
Conc: 51.16 ng/ml m

Time Response_ Signal: PQ070977.D\ECD2B.ch

#31 AR-1260-1



R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 18962286
Conc: 52.61 ng/ml



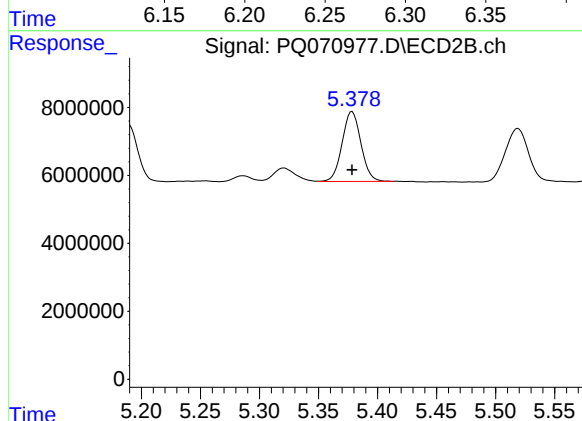
#32 AR-1260-2

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 13982610
Conc: 50.32 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

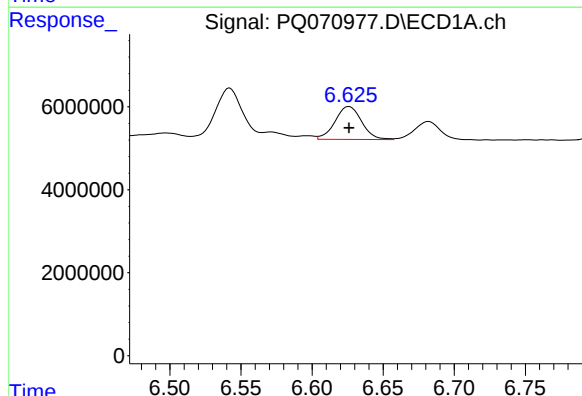
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



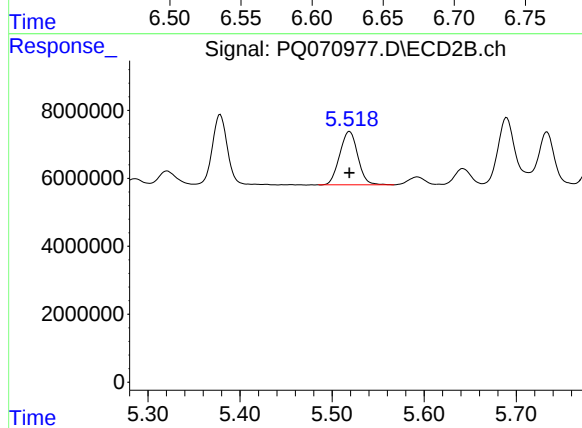
#32 AR-1260-2

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 22891919
Conc: 52.03 ng/ml



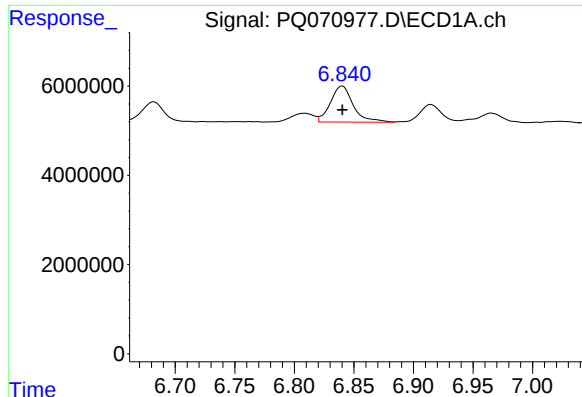
#33 AR-1260-3

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 10392796
Conc: 52.14 ng/ml



#33 AR-1260-3

R.T.: 5.519 min
Delta R.T.: 0.000 min
Response: 21545658
Conc: 51.92 ng/ml



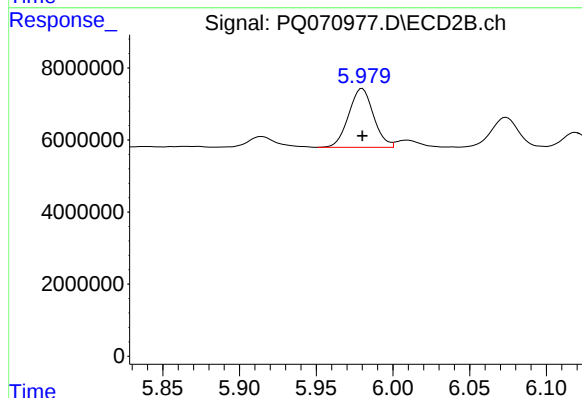
#34 AR-1260-4

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 10804624
Conc: 50.28 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

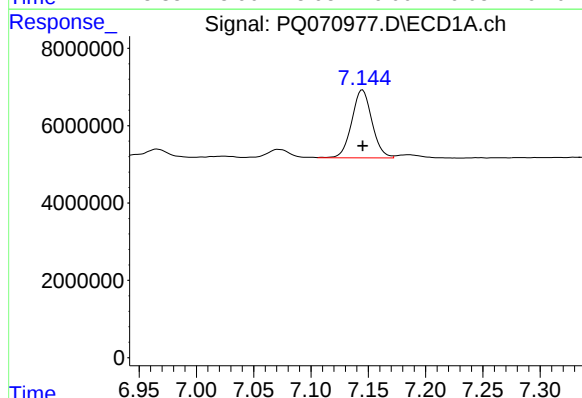
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



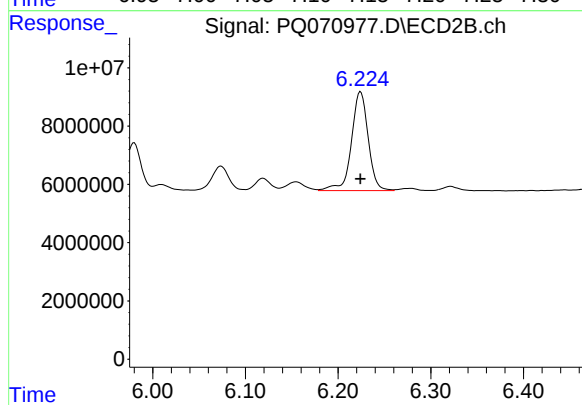
#34 AR-1260-4

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 18507162
Conc: 51.44 ng/ml



#35 AR-1260-5

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 21577675
Conc: 49.74 ng/ml



#35 AR-1260-5

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 42558760
Conc: 50.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:09
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 11:55:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 11:55:37 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...	3.400	2.778	220.4E6	255.3E6	50.000	50.000
2) SA Decachlor...	8.496	7.534	149.9E6	262.1E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.594	2.977	29595379	36909578	500.000	500.000
9) L2 AR-1221-2	3.672	3.053	21573372	30001568	500.000	500.000
10) L2 AR-1221-3	3.739	3.122	66773962	85591891	500.000	500.000

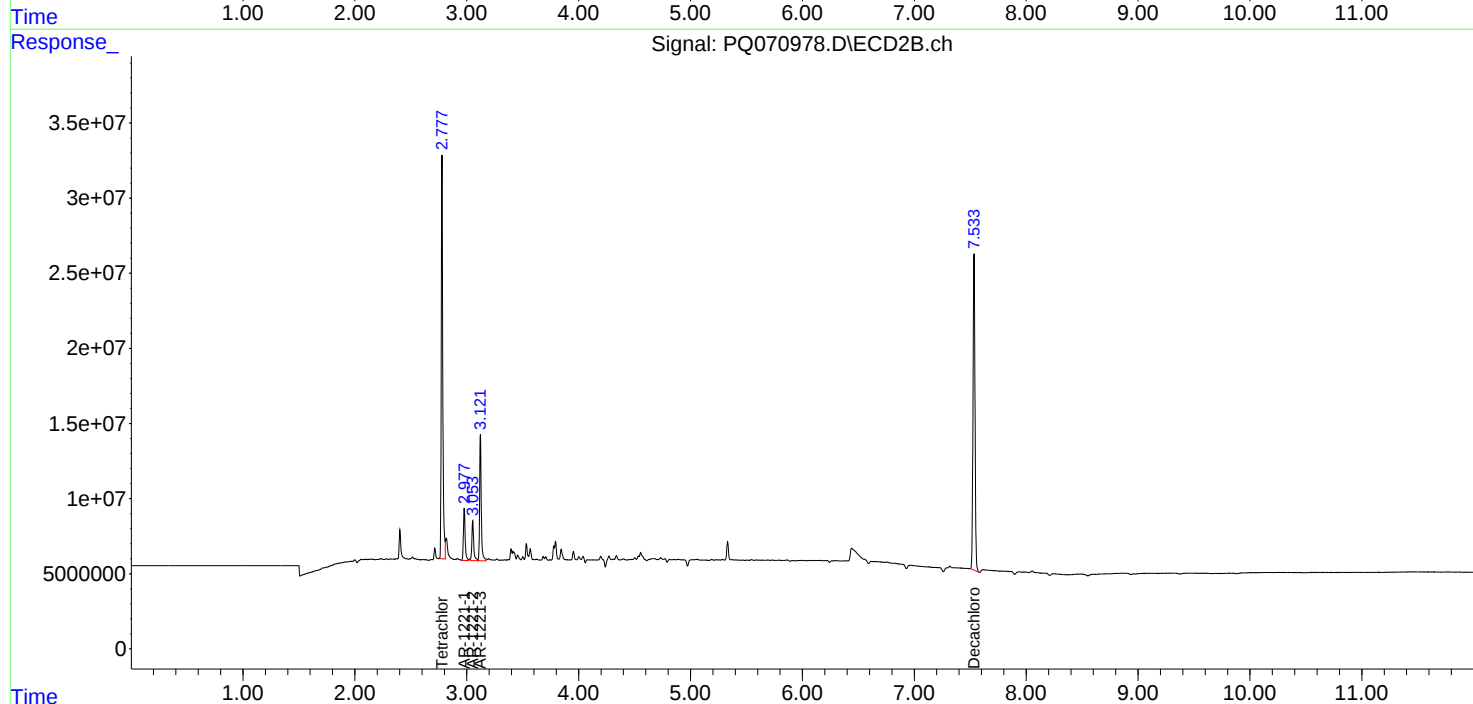
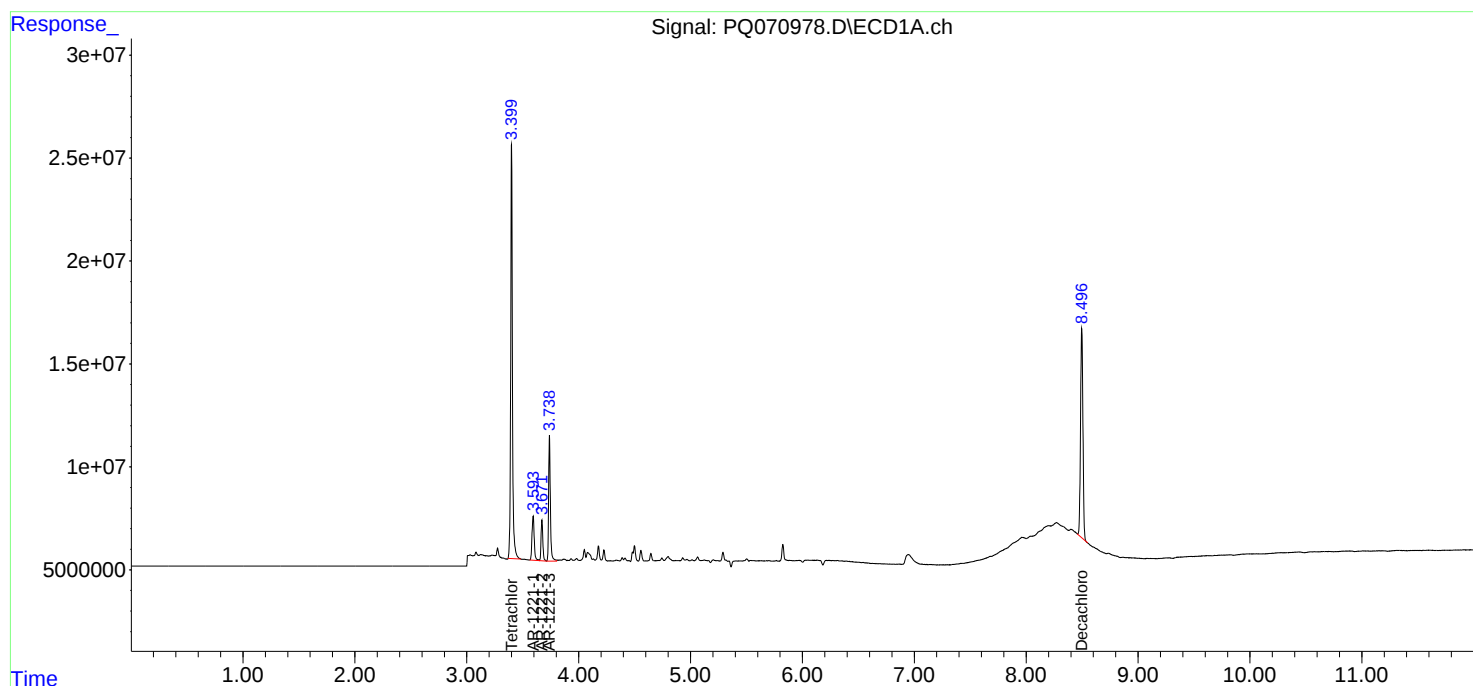
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

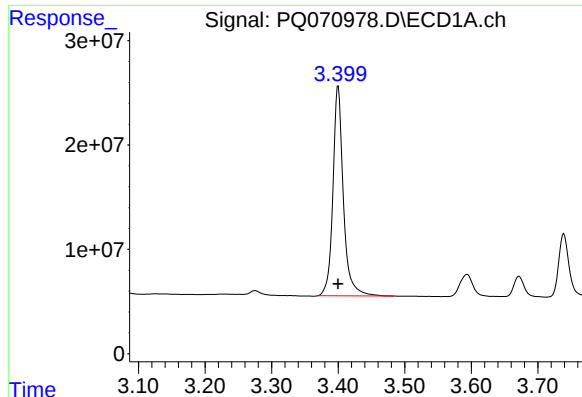
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:09
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 11:55:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 11:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

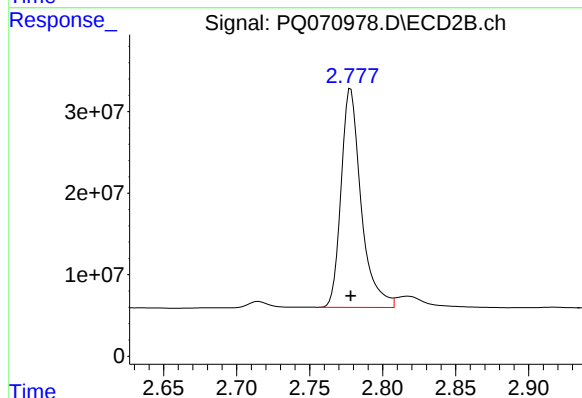




#1 Tetrachloro-m-xylene

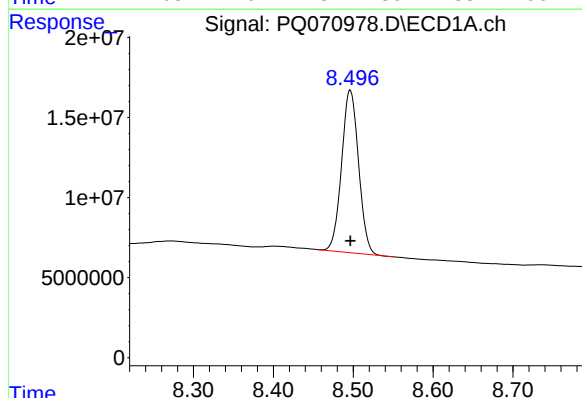
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 220369967
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500



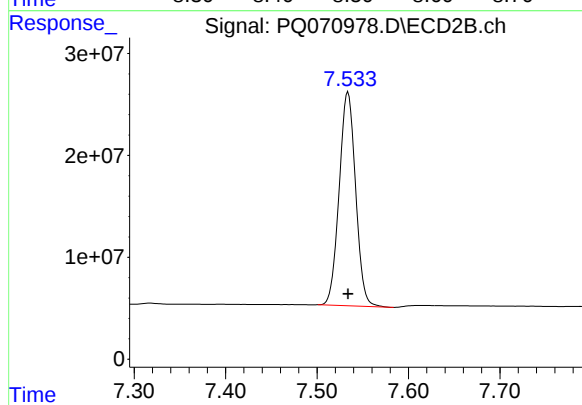
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 255300945
Conc: 50.00 ng/ml



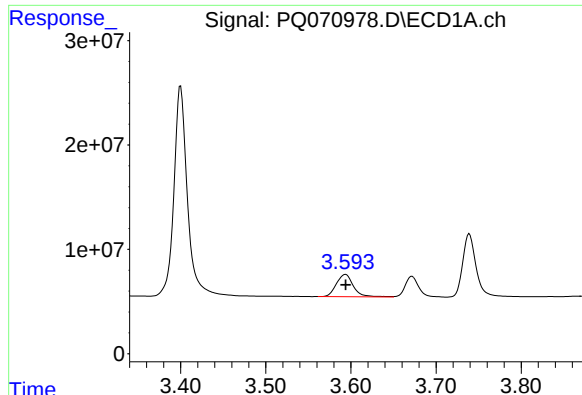
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 149874496
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

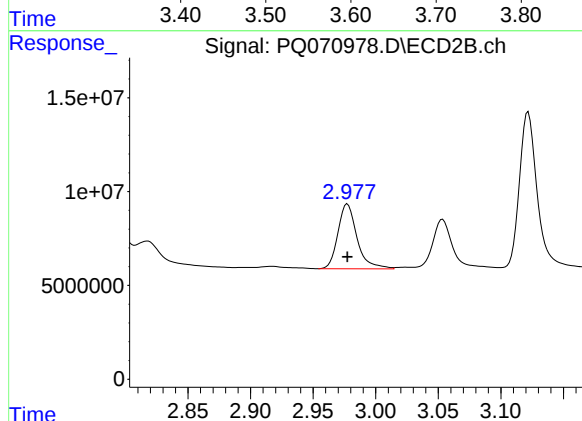
R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 262139791
Conc: 50.00 ng/ml



#8 AR-1221-1

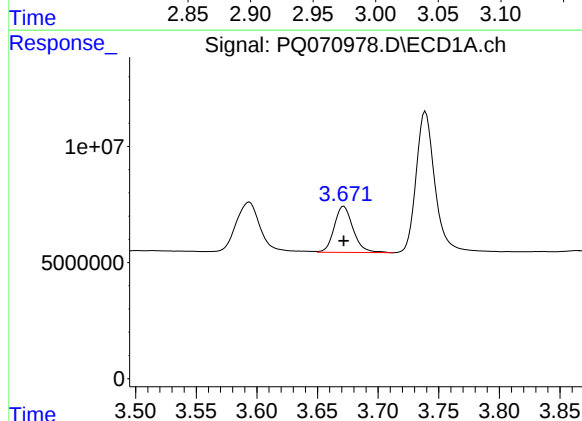
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 29595379
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500



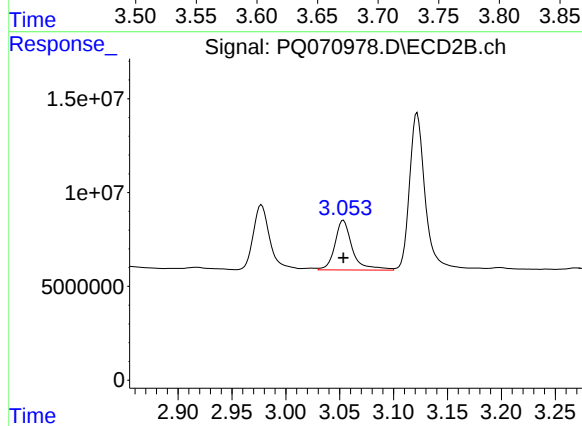
#8 AR-1221-1

R.T.: 2.977 min
Delta R.T.: 0.000 min
Response: 36909578
Conc: 500.00 ng/ml



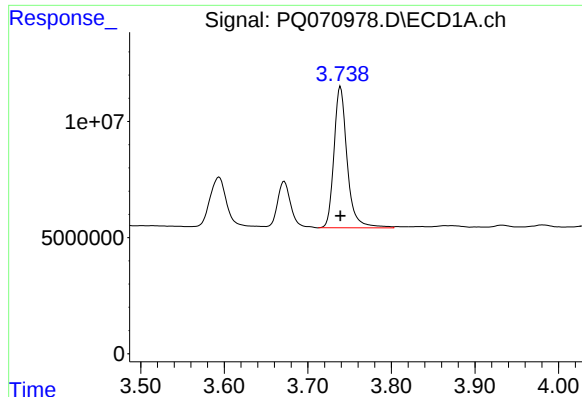
#9 AR-1221-2

R.T.: 3.672 min
Delta R.T.: 0.000 min
Response: 21573372
Conc: 500.00 ng/ml



#9 AR-1221-2

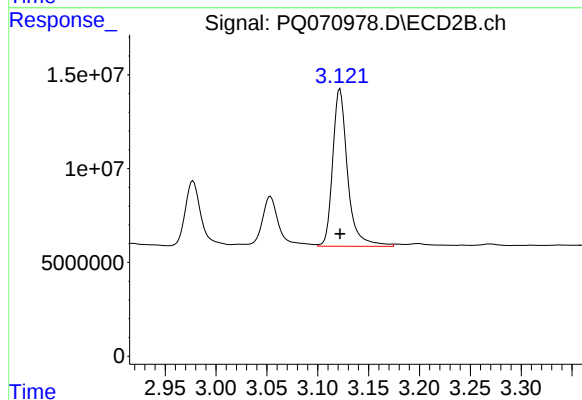
R.T.: 3.053 min
Delta R.T.: 0.000 min
Response: 30001568
Conc: 500.00 ng/ml



#10 AR-1221-3

R.T.: 3.739 min
Delta R.T.: 0.000 min
Response: 66773962
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 3.122 min
Delta R.T.: 0.000 min
Response: 85591891
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:24
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:00:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 11:55:37 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...	3.400	2.778	234.5E6	276.3E6	50.000	50.000
2) SA Decachlor...	8.497	7.534	163.6E6	280.6E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	3.739	3.121	54474047	69671226	500.000	500.000
12) L3 AR-1232-2	4.226	3.793	28751418	69449831	500.000	500.000
13) L3 AR-1232-3	4.499	3.953	53549480	36725094	500.000	500.000
14) L3 AR-1232-4	4.646	4.039	27007118	31517168	500.000	500.000
15) L3 AR-1232-5	4.785	4.197	21856633	35803624	500.000	500.000

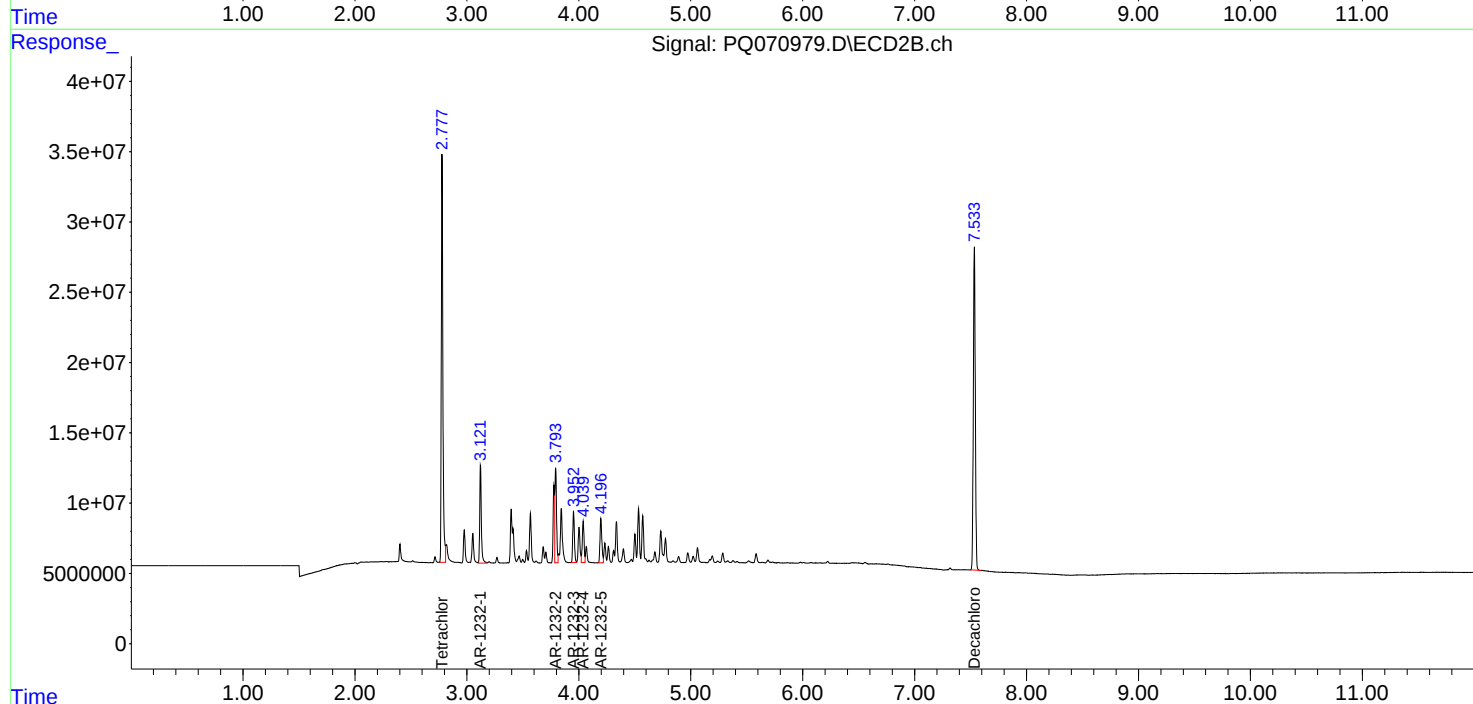
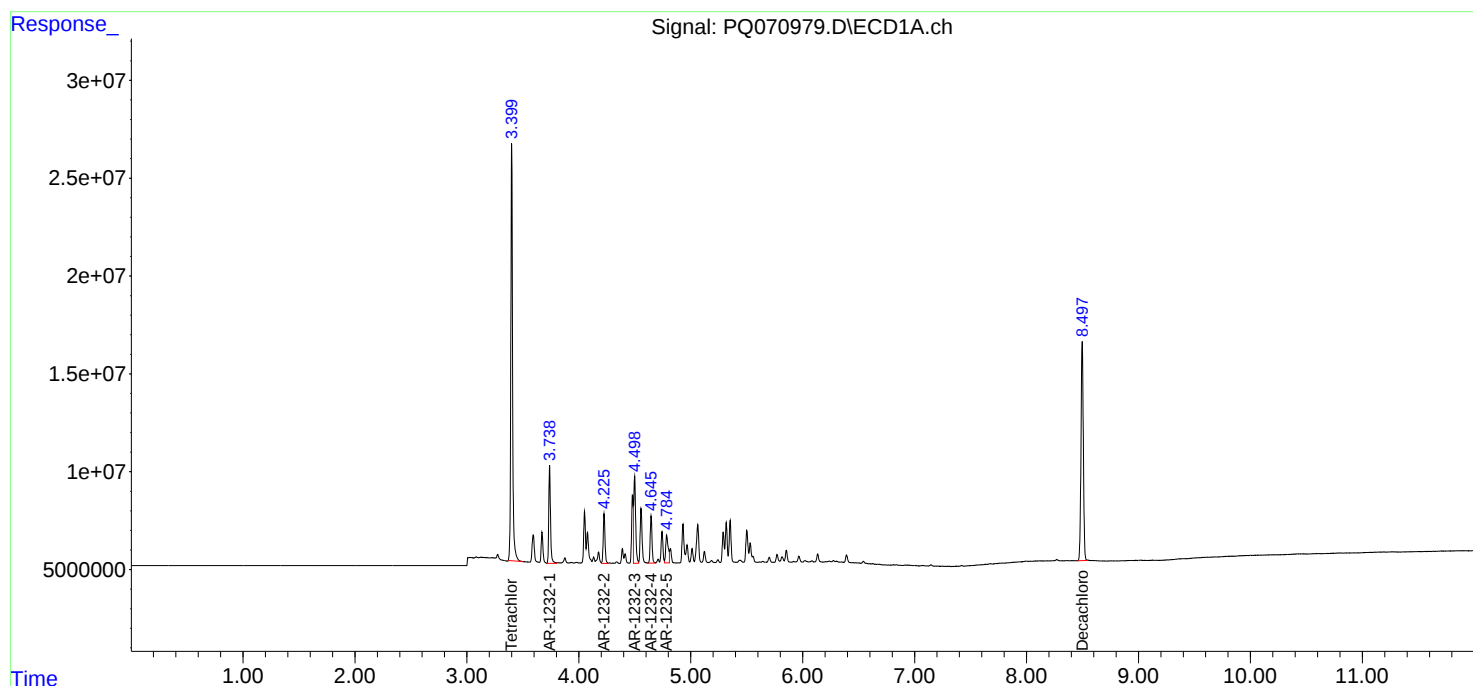
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

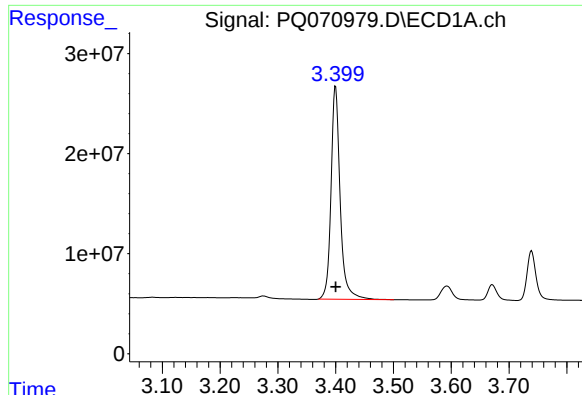
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:24
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:00:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 11:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

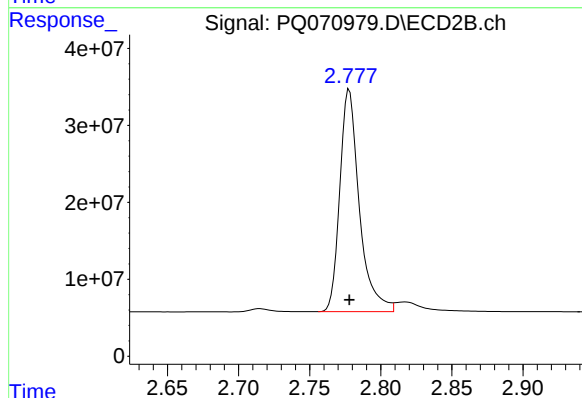




#1 Tetrachloro-m-xylene

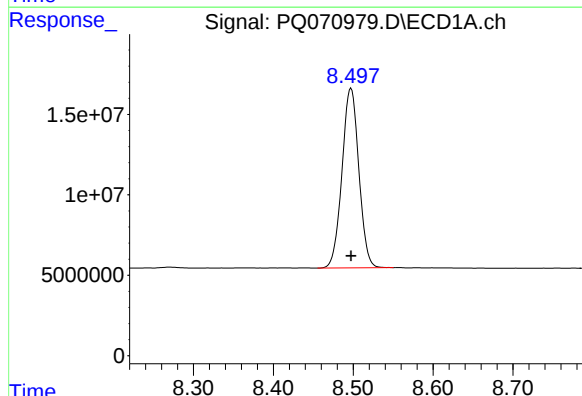
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 234547177
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500



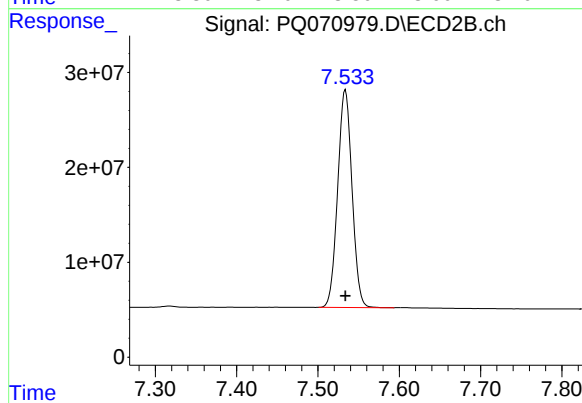
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 276348863
Conc: 50.00 ng/ml



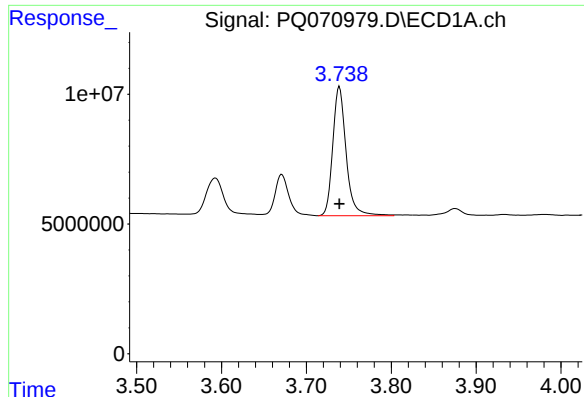
#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 163612084
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

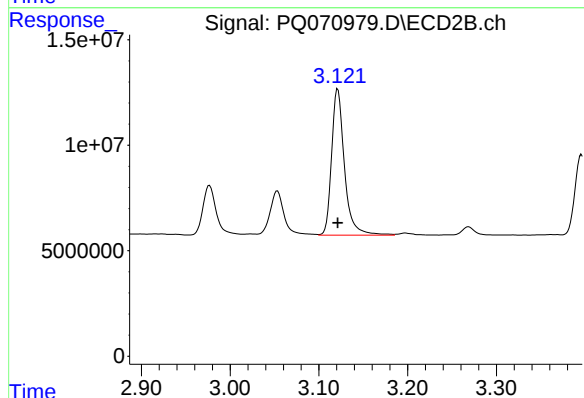
R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 280551433
Conc: 50.00 ng/ml



#11 AR-1232-1

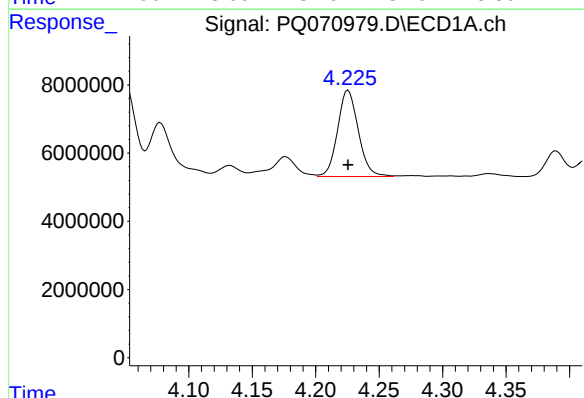
R.T.: 3.739 min
Delta R.T.: 0.000 min
Response: 54474047
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500



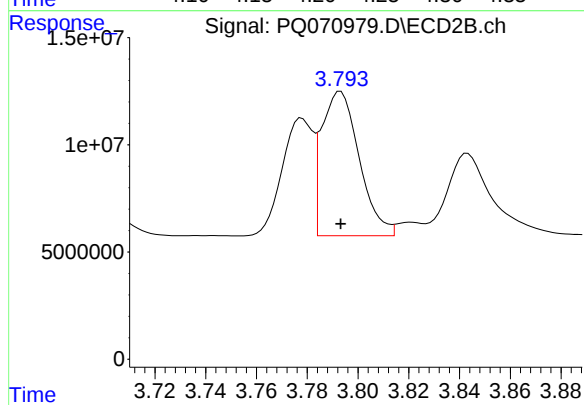
#11 AR-1232-1

R.T.: 3.121 min
Delta R.T.: 0.000 min
Response: 69671226
Conc: 500.00 ng/ml



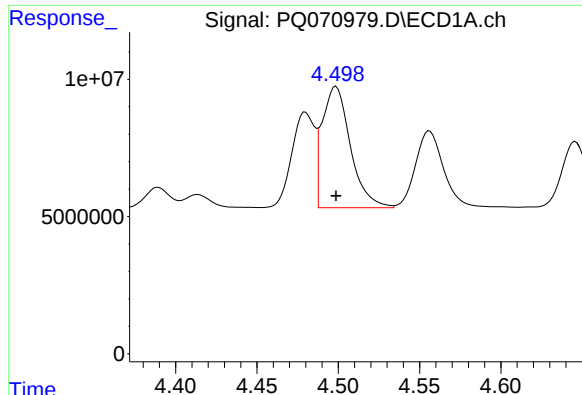
#12 AR-1232-2

R.T.: 4.226 min
Delta R.T.: 0.000 min
Response: 28751418
Conc: 500.00 ng/ml



#12 AR-1232-2

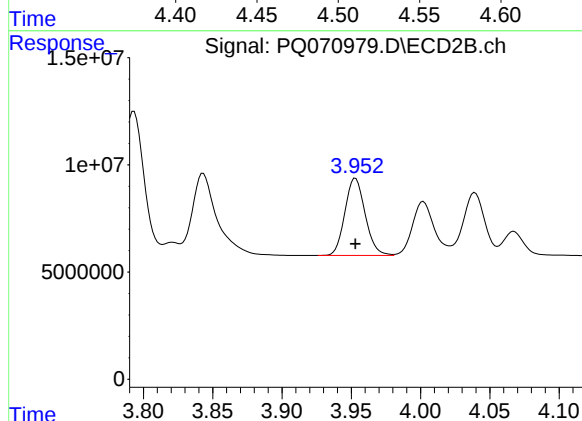
R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 69449831
Conc: 500.00 ng/ml



#13 AR-1232-3

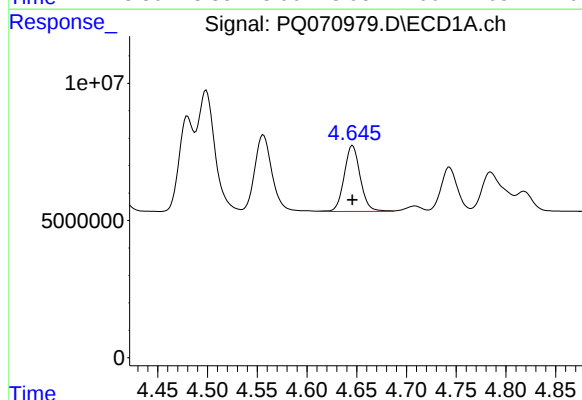
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 53549480
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500



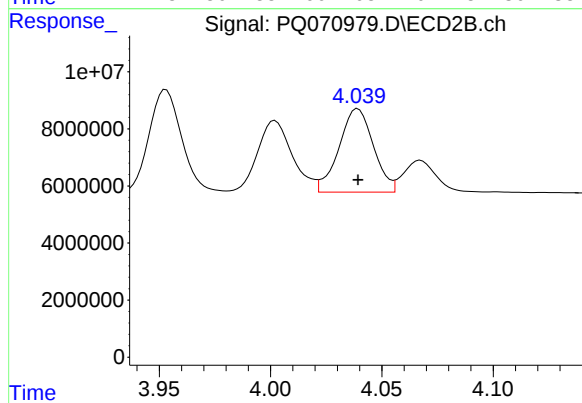
#13 AR-1232-3

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 36725094
Conc: 500.00 ng/ml



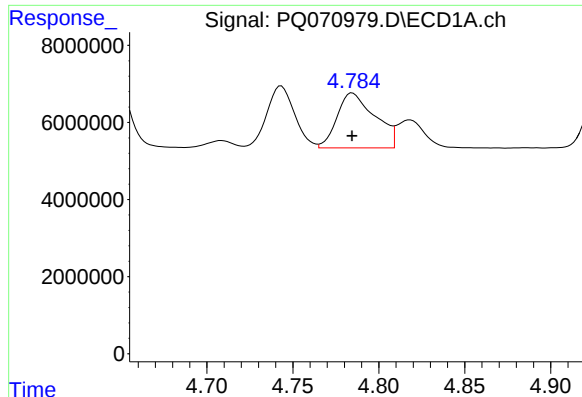
#14 AR-1232-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 27007118
Conc: 500.00 ng/ml



#14 AR-1232-4

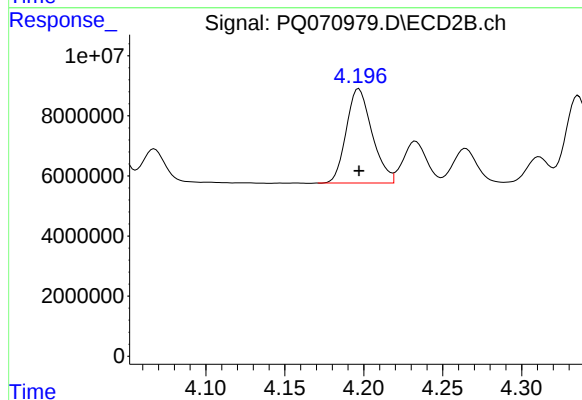
R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 31517168
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 21856633
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 35803624
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:38
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:08:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:05:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	444.2E6	551.1E6	98.001	98.092
2) SA Decachlor...	8.495	7.534	308.3E6	519.5E6	95.801	96.097
Target Compounds						
16) L4 AR-1242-1	4.480	3.778	117.9E6	149.1E6	983.375	964.120
17) L4 AR-1242-2	4.499	3.793	179.2E6	228.4E6	959.238	966.879
18) L4 AR-1242-3	4.556	3.953	111.3E6	123.3E6	959.357	965.452
19) L4 AR-1242-4	4.646	4.039	91702396	107.9E6	962.012	943.887
20) L4 AR-1242-5	5.349	4.534	63322787	175.3E6	867.188	999.788

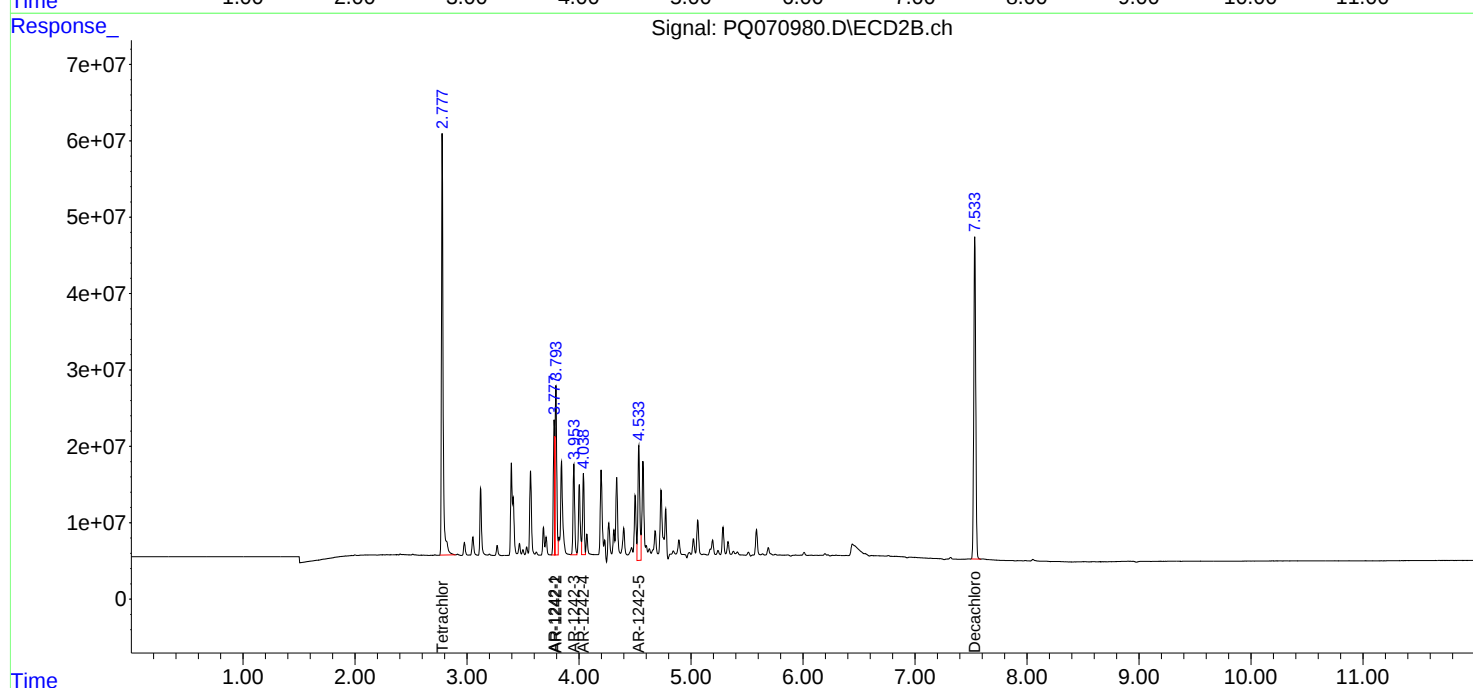
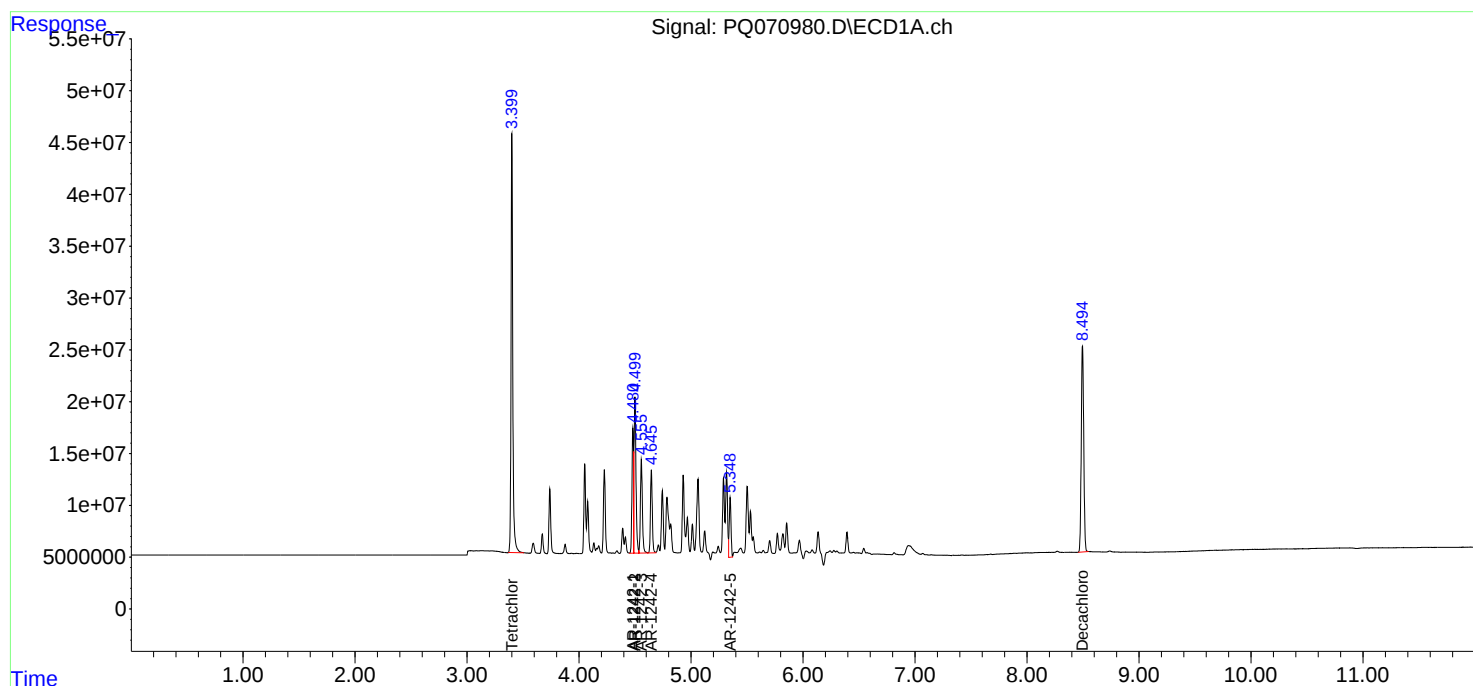
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

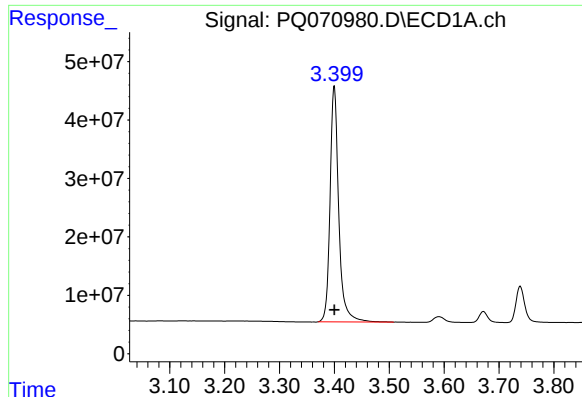
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:38
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:08:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:05:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

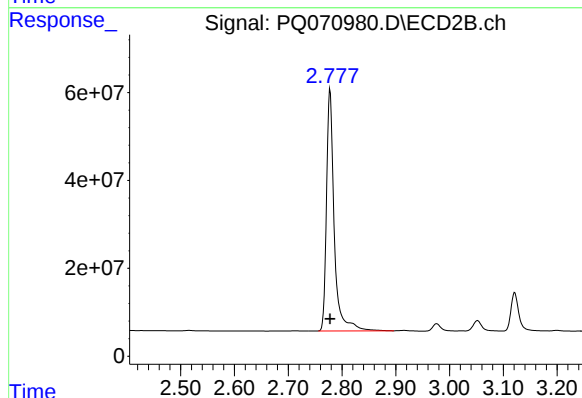




#1 Tetrachloro-m-xylene

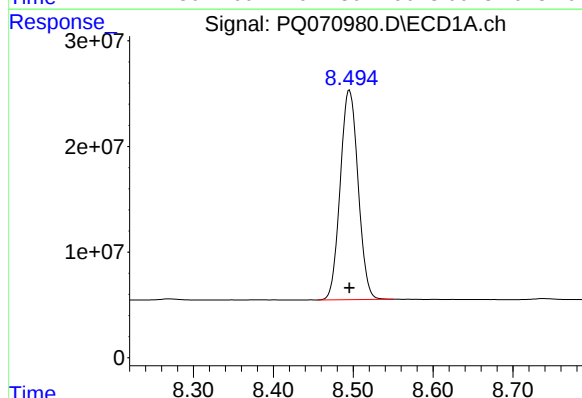
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 444189301
Conc: 98.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000



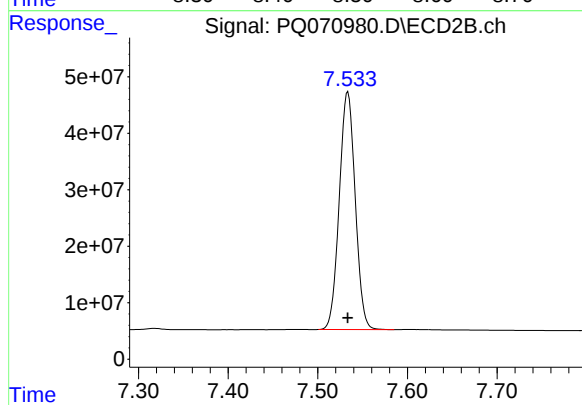
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 551110354
Conc: 98.09 ng/ml



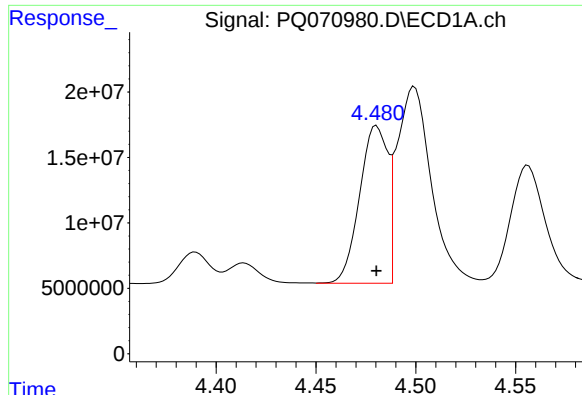
#2 Decachlorobiphenyl

R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 308256864
Conc: 95.80 ng/ml



#2 Decachlorobiphenyl

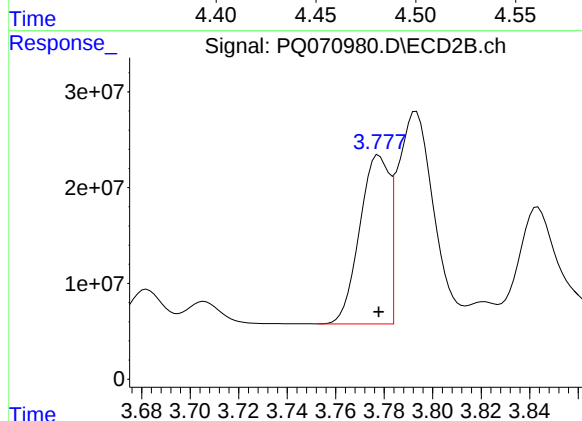
R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 519455740
Conc: 96.10 ng/ml



#16 AR-1242-1

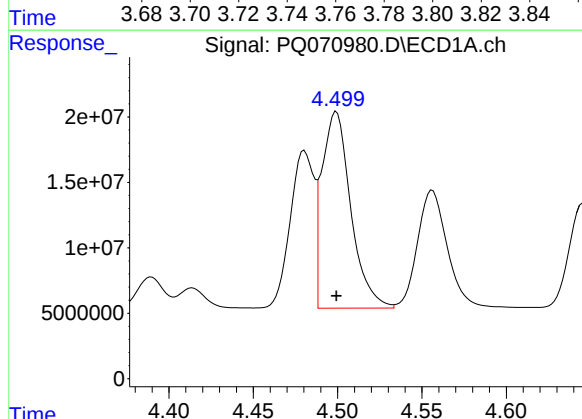
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 117929900
Conc: 983.37 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000



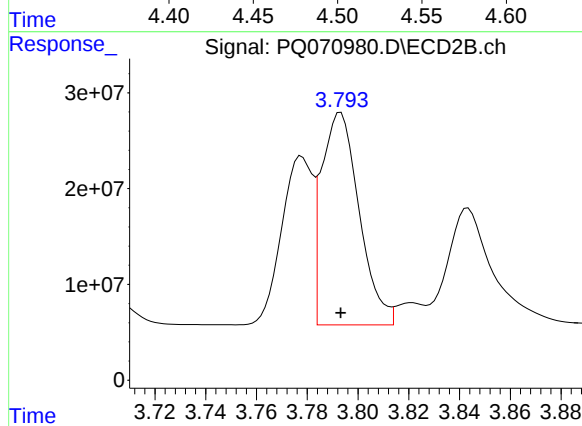
#16 AR-1242-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 149120136
Conc: 964.12 ng/ml



#17 AR-1242-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 179238730
Conc: 959.24 ng/ml



#17 AR-1242-2

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 228406508
Conc: 966.88 ng/ml

Response_ Signal: PQ070980.D\ECD1A.ch

#18 AR-1242-3

R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 111298009
Conc: 959.36 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000

Time

Response_ Signal: PQ070980.D\ECD2B.ch

#18 AR-1242-3

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 123267302
Conc: 965.45 ng/ml

Time

Response_ Signal: PQ070980.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 91702396
Conc: 962.01 ng/ml

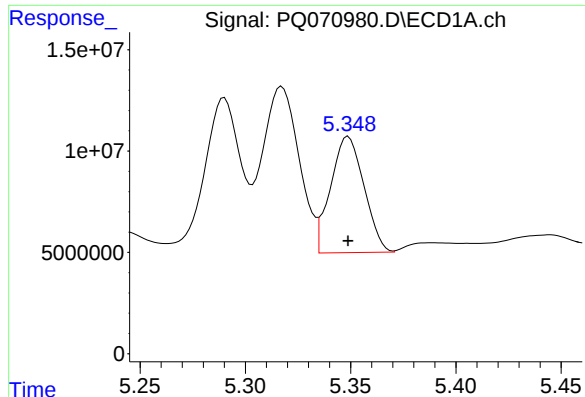
Time

Response_ Signal: PQ070980.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 107929318
Conc: 943.89 ng/ml

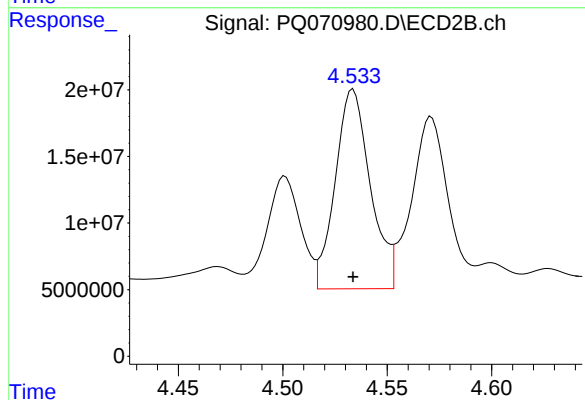
Time



#20 AR-1242-5

R.T.: 5.349 min
Delta R.T.: 0.000 min
Response: 63322787
Conc: 867.19 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 175313049
Conc: 999.79 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:53
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:12:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:10:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	343.3E6	428.5E6	75.493	75.838
2) SA Decachlor...	8.496	7.534	243.3E6	411.2E6	75.399	75.716
Target Compounds						
16) L4 AR-1242-1	4.480	3.778	90376185	120.3E6	752.406	768.194
17) L4 AR-1242-2	4.498	3.794	141.6E6	178.3E6	755.086	753.183
18) L4 AR-1242-3	4.556	3.954	87949114	98835228	755.378	765.893
19) L4 AR-1242-4	4.646	4.039	73032215	85057385	760.690	745.897
20) L4 AR-1242-5	5.348	4.534	50322958	147.0E6	708.312	806.708

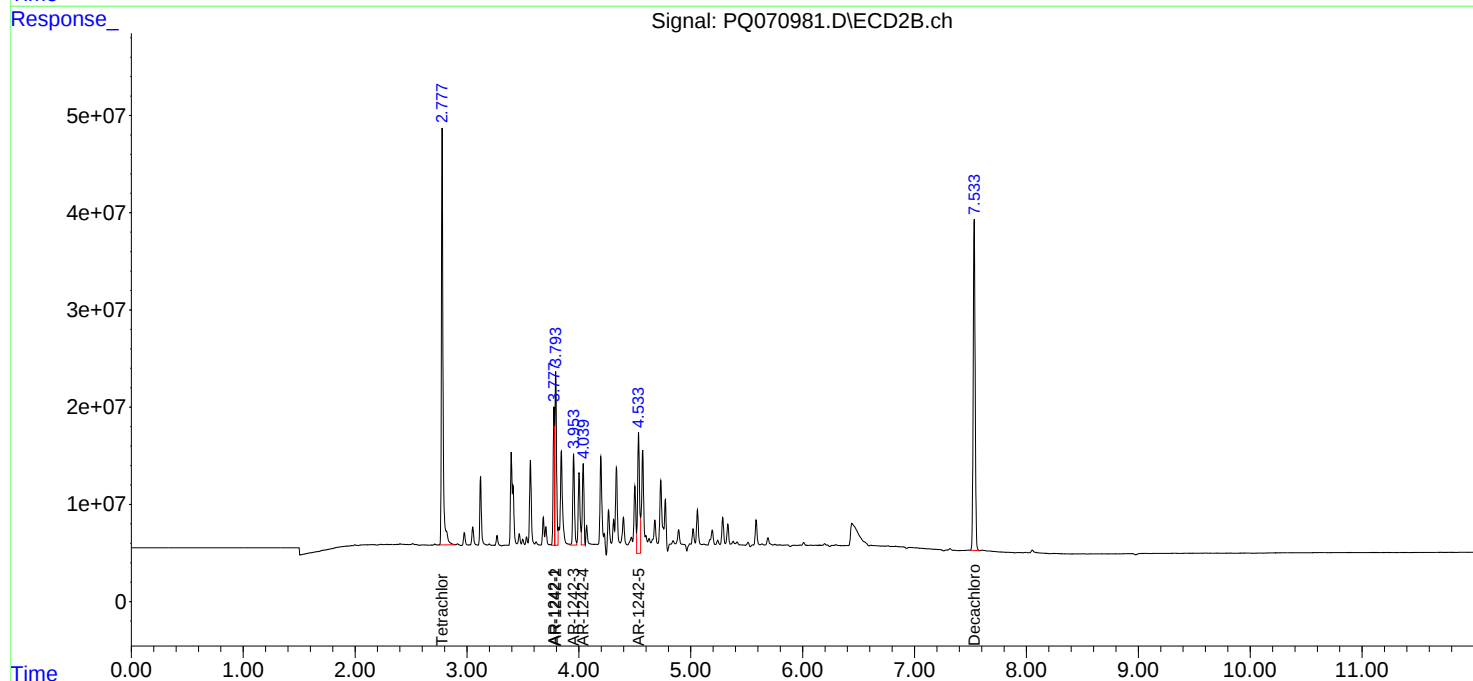
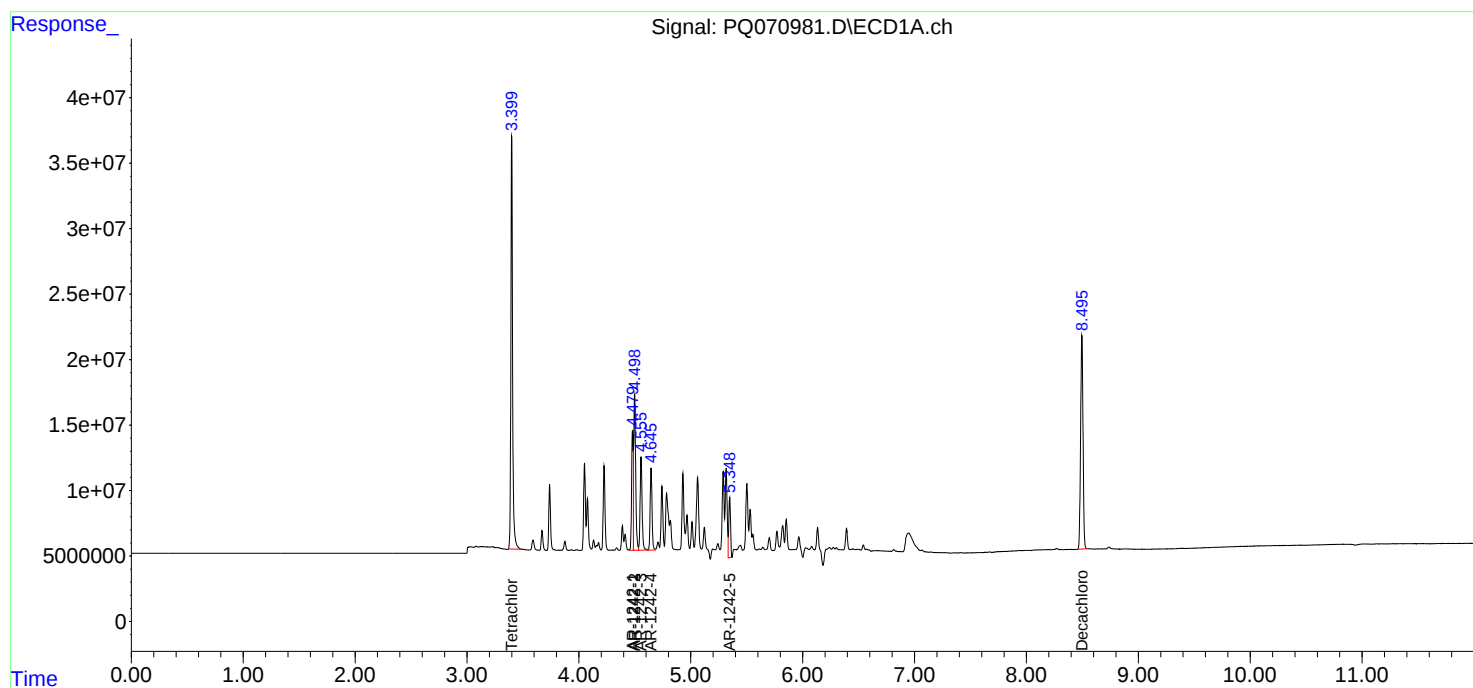
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:53
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:12:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:10:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

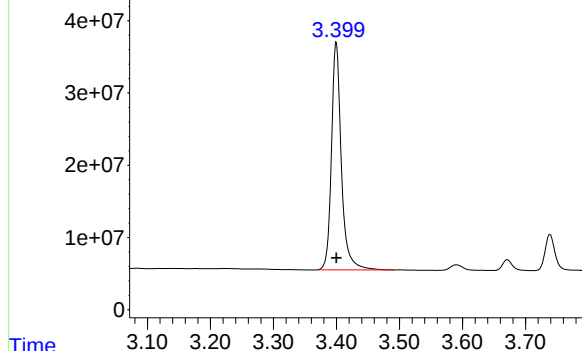


Response_ Signal: PQ070981.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 343296796
Conc: 75.49 ng/ml

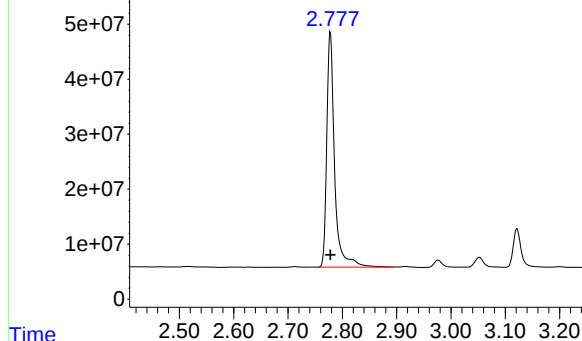
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750



Time Response_ Signal: PQ070981.D\ECD2B.ch

#1 Tetrachloro-m-xylene

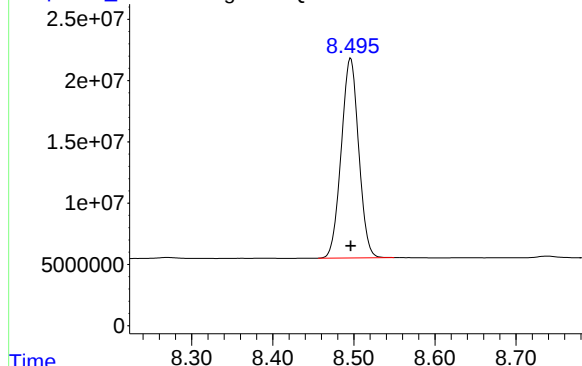
R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 428474190
Conc: 75.84 ng/ml



Time Response_ Signal: PQ070981.D\ECD1A.ch

#2 Decachlorobiphenyl

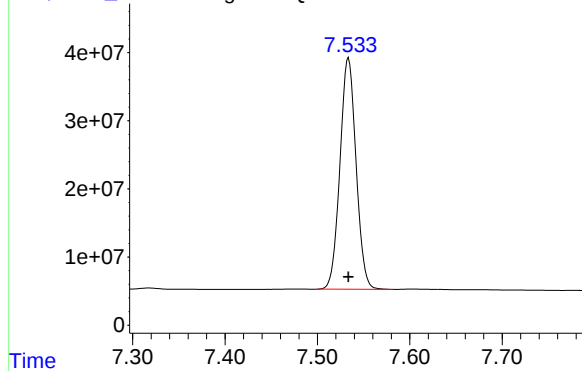
R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 243255520
Conc: 75.40 ng/ml

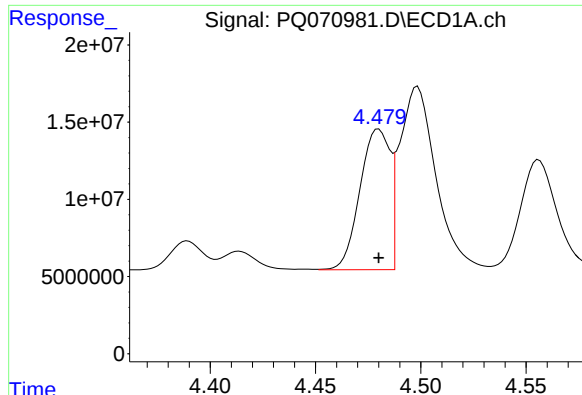


Time Response_ Signal: PQ070981.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 411249267
Conc: 75.72 ng/ml

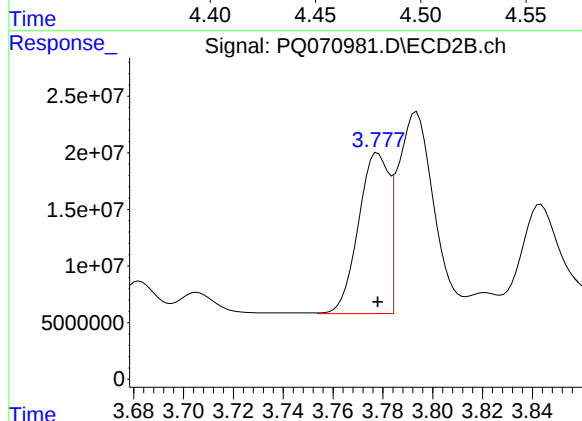




#16 AR-1242-1

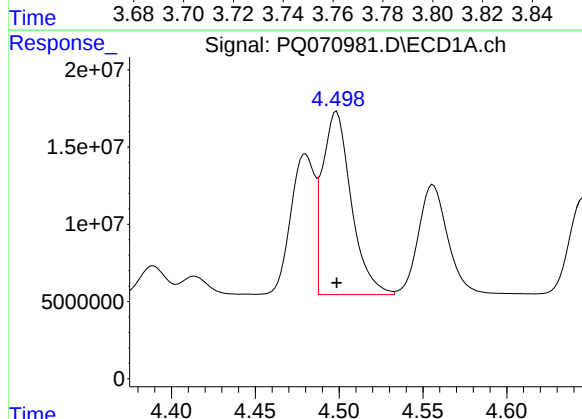
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 90376185
Conc: 752.41 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750



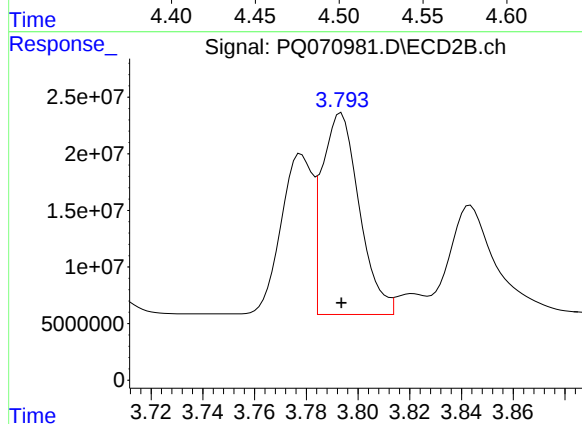
#16 AR-1242-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 120275140
Conc: 768.19 ng/ml



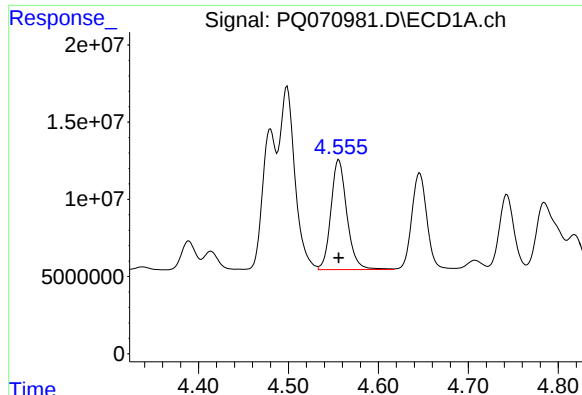
#17 AR-1242-2

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 141571716
Conc: 755.09 ng/ml



#17 AR-1242-2

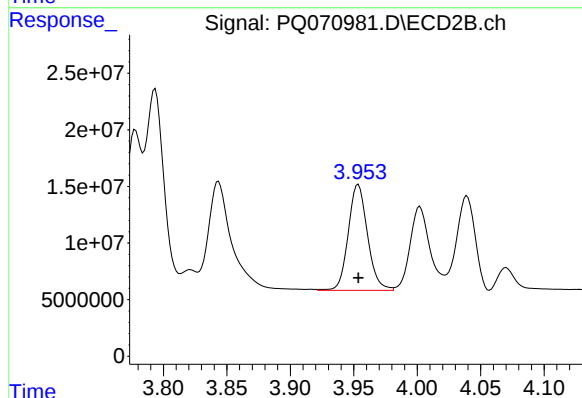
R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 178303451
Conc: 753.18 ng/ml



#18 AR-1242-3

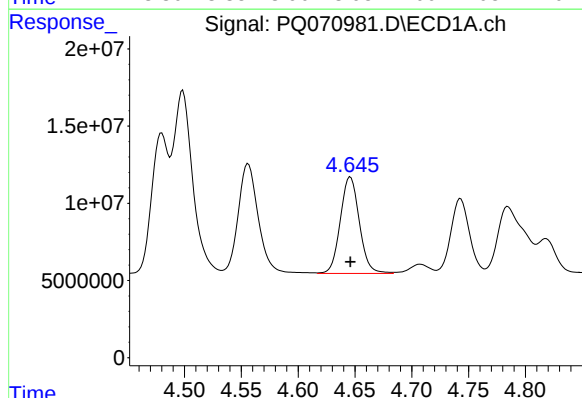
R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 87949114
Conc: 755.38 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750



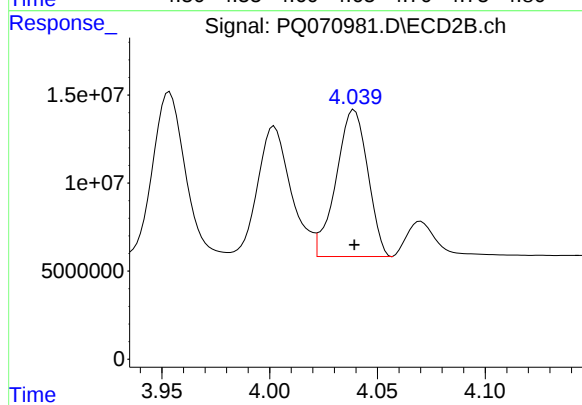
#18 AR-1242-3

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 98835228
Conc: 765.89 ng/ml



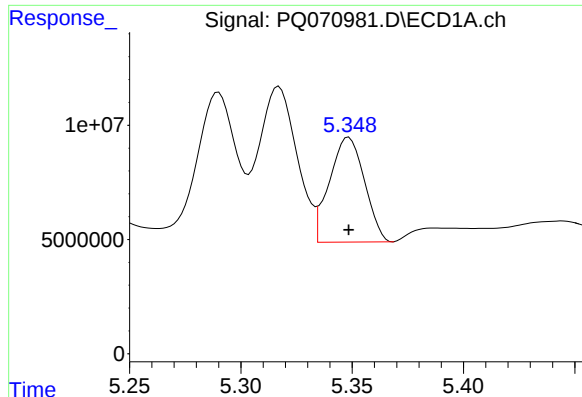
#19 AR-1242-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 73032215
Conc: 760.69 ng/ml



#19 AR-1242-4

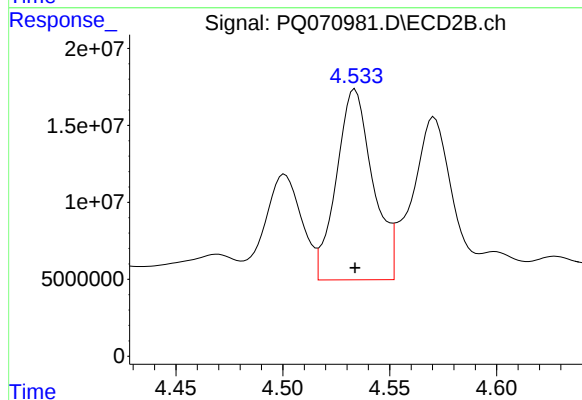
R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 85057385
Conc: 745.90 ng/ml



#20 AR-1242-5

R.T.: 5.348 min
Delta R.T.: 0.000 min
Response: 50322958
Conc: 708.31 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 147014260
Conc: 806.71 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 11:08
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:05:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:05:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	231.2E6	286.3E6	50.000	50.000
2) SA Decachlor...	8.496	7.533	167.6E6	280.8E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	4.480	3.778	60958684	80109600	500.000	500.000
17) L4 AR-1242-2	4.499	3.793	97235865	122.0E6	500.000	500.000
18) L4 AR-1242-3	4.556	3.954	60364163	66044686	500.000	500.000
19) L4 AR-1242-4	4.646	4.040	49472392	60380961	500.000	500.000
20) L4 AR-1242-5	5.351	4.534	41359410	87693684	500.000	500.000

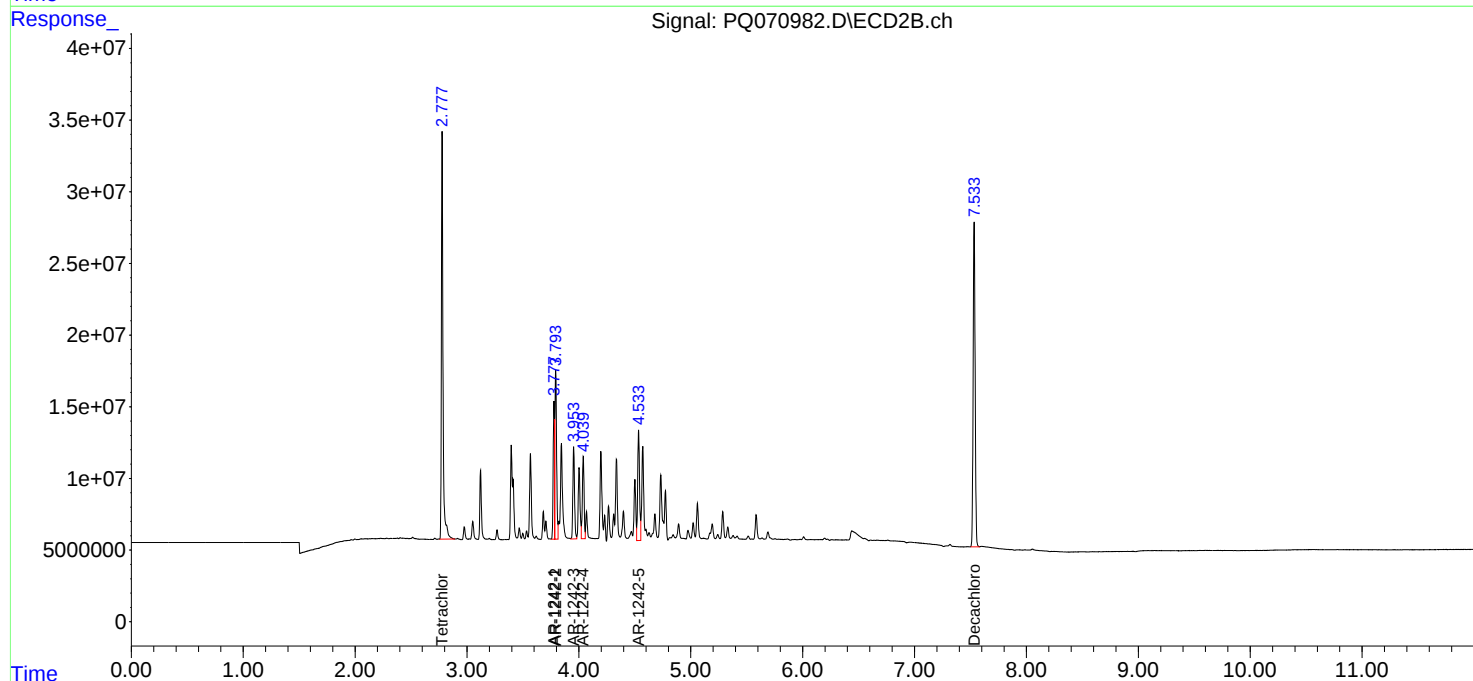
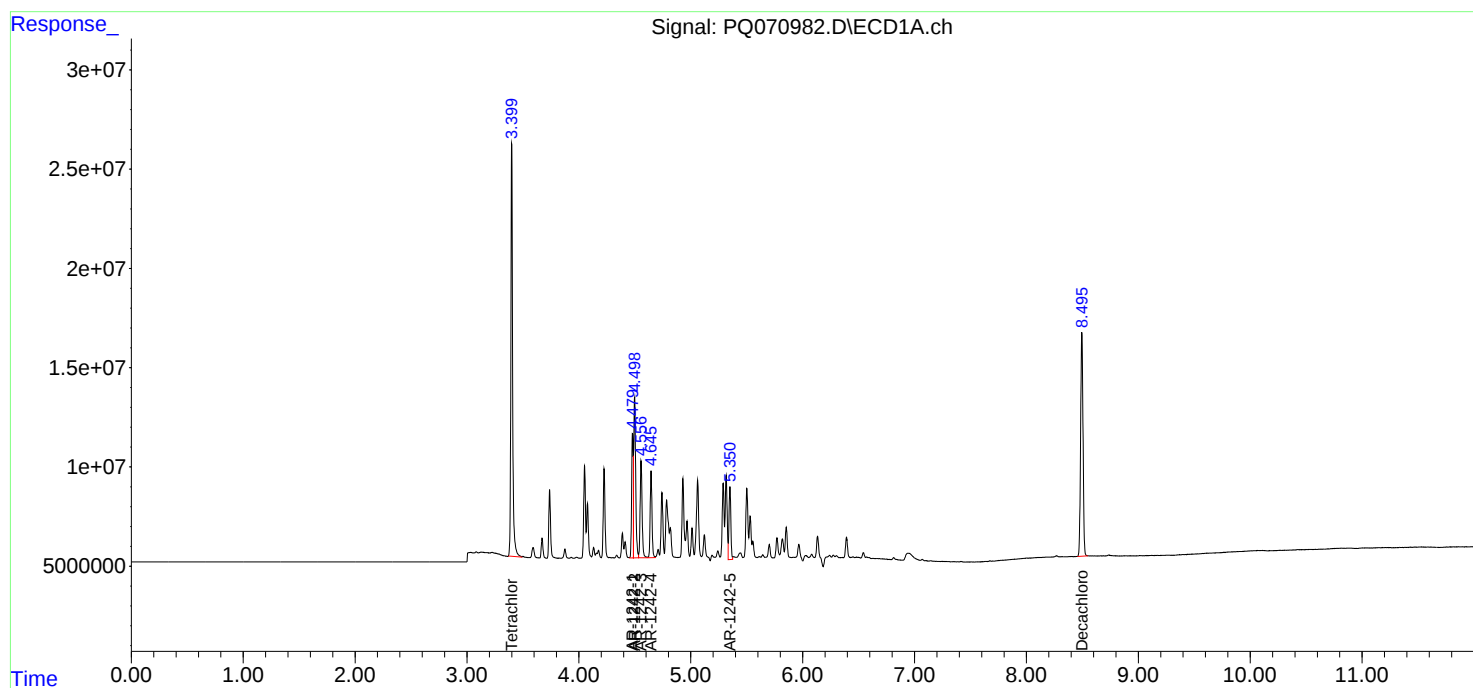
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

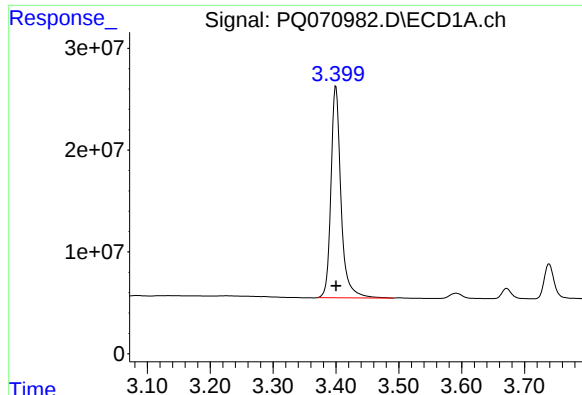
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 11:08
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:05:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:05:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

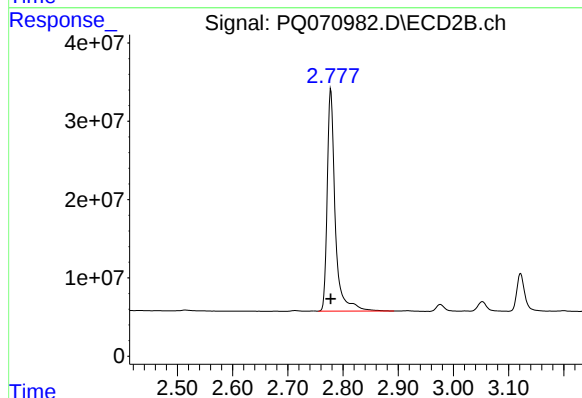




#1 Tetrachloro-m-xylene

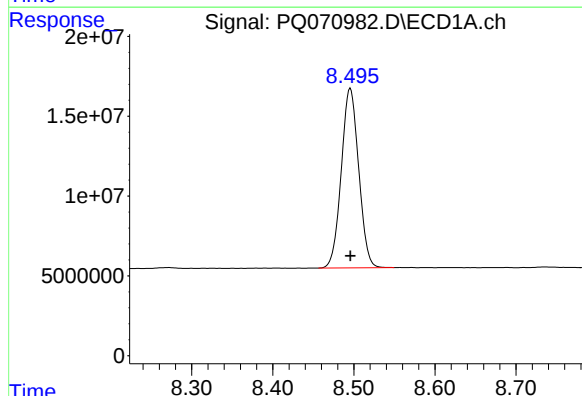
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 231153264
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500



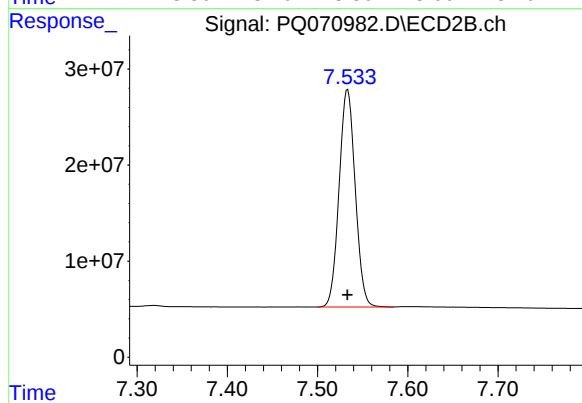
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 286277162
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 167640288
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

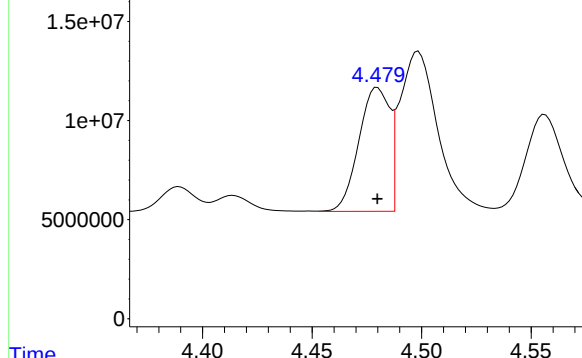
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 280823944
Conc: 50.00 ng/ml

Response_ Signal: PQ070982.D\ECD1A.ch

#16 AR-1242-1

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 60958684
Conc: 500.00 ng/ml

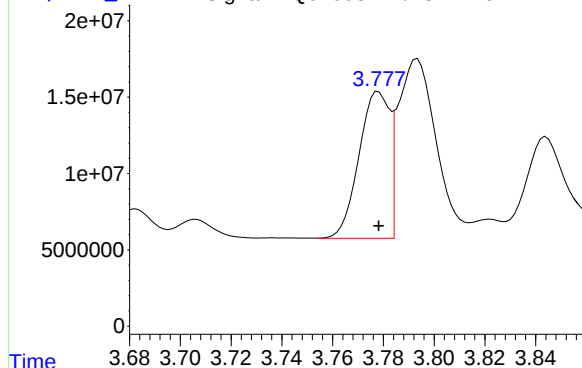
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500



Time Response_ Signal: PQ070982.D\ECD2B.ch

#16 AR-1242-1

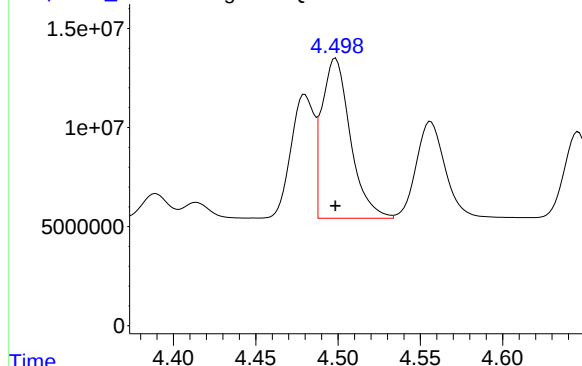
R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 80109600
Conc: 500.00 ng/ml



Time Response_ Signal: PQ070982.D\ECD1A.ch

#17 AR-1242-2

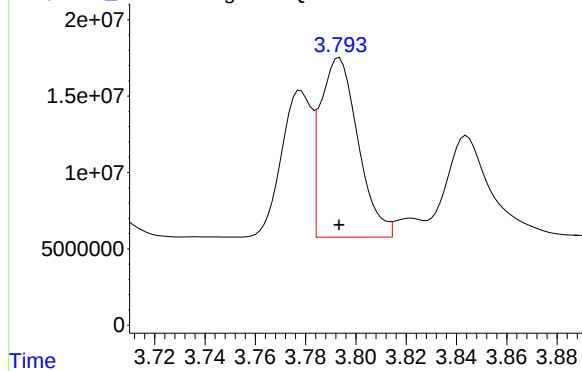
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 97235865
Conc: 500.00 ng/ml



Time Response_ Signal: PQ070982.D\ECD2B.ch

#17 AR-1242-2

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 122027510
Conc: 500.00 ng/ml

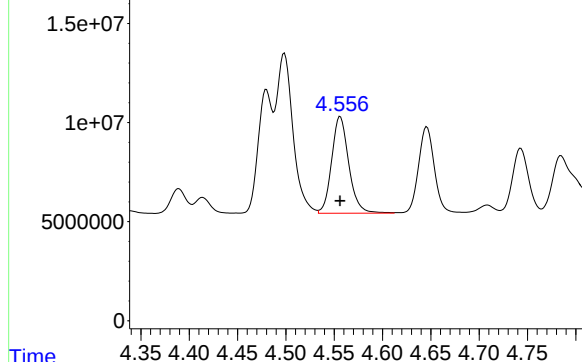


Response_ Signal: PQ070982.D\ECD1A.ch

#18 AR-1242-3

R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 60364163
Conc: 500.00 ng/ml

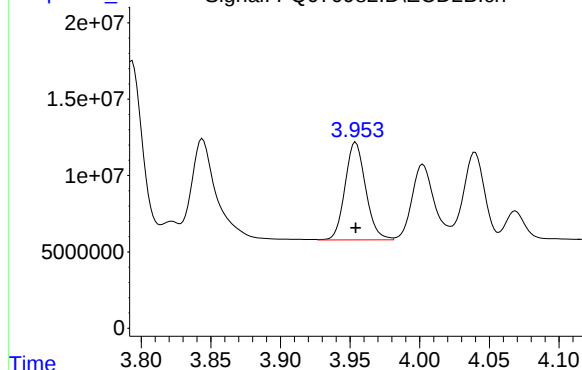
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500



Time Response_ Signal: PQ070982.D\ECD2B.ch

#18 AR-1242-3

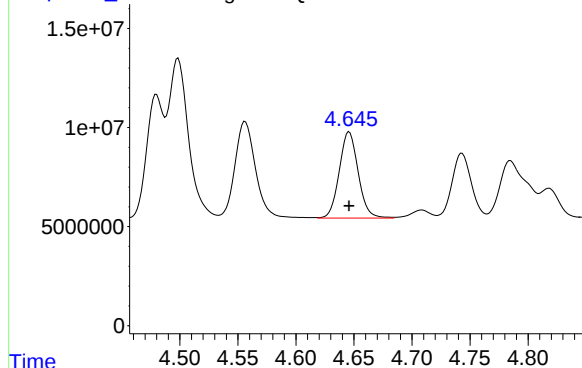
R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 66044686
Conc: 500.00 ng/ml



Time Response_ Signal: PQ070982.D\ECD1A.ch

#19 AR-1242-4

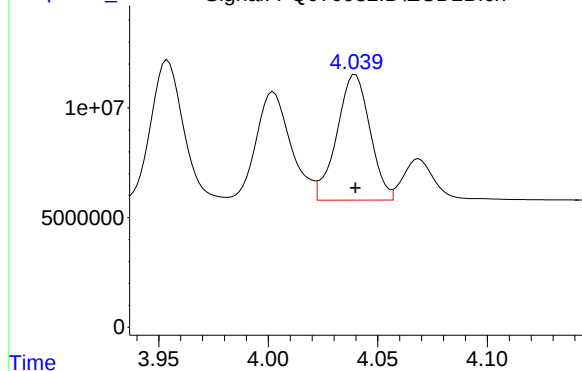
R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 49472392
Conc: 500.00 ng/ml

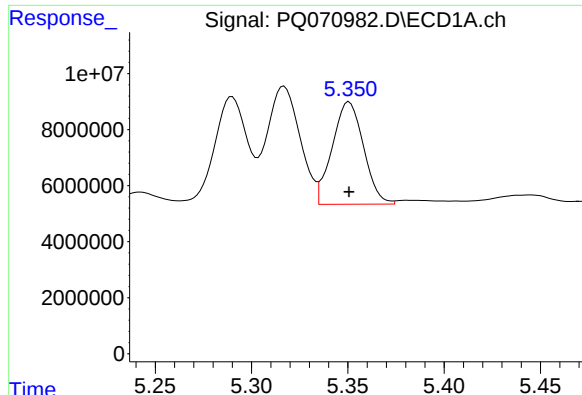


Time Response_ Signal: PQ070982.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.040 min
Delta R.T.: 0.000 min
Response: 60380961
Conc: 500.00 ng/ml

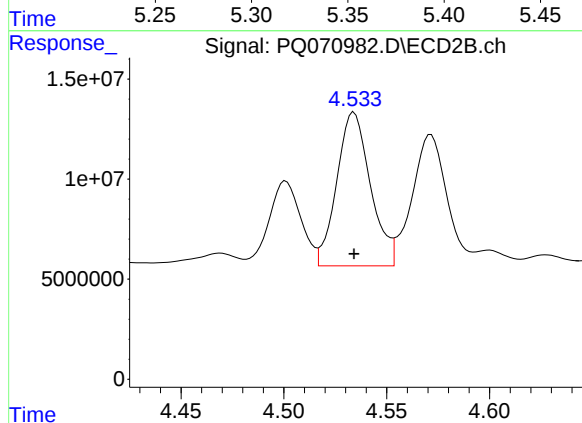




#20 AR-1242-5

R.T.: 5.351 min
Delta R.T.: 0.000 min
Response: 41359410
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 87693684
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 11:22
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:15:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:10:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.401	2.778	115.1E6	136.2E6	25.240	24.319
2) SA Decachlor...	8.497	7.534	83994234	142.5E6	25.768	25.912
Target Compounds						
16) L4 AR-1242-1	4.481	3.778	31044472	41346745	256.287	260.414
17) L4 AR-1242-2	4.499	3.794	49429930	62193156	260.092	259.416
18) L4 AR-1242-3	4.557	3.954	30938677	33857327	261.612	259.162
19) L4 AR-1242-4	4.647	4.040	25299238	32086157	259.999	272.815
20) L4 AR-1242-5	5.352	4.534	25666453	41818817	325.093	234.281 #

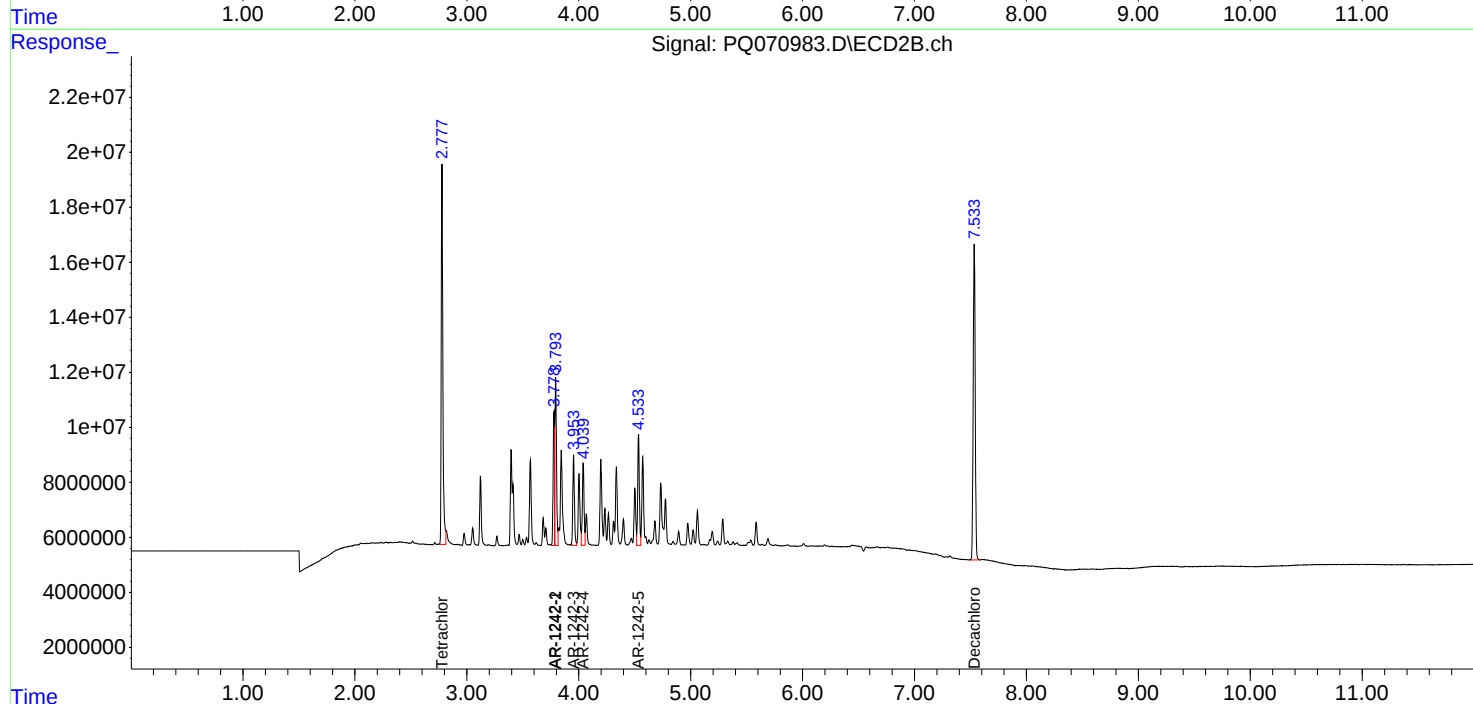
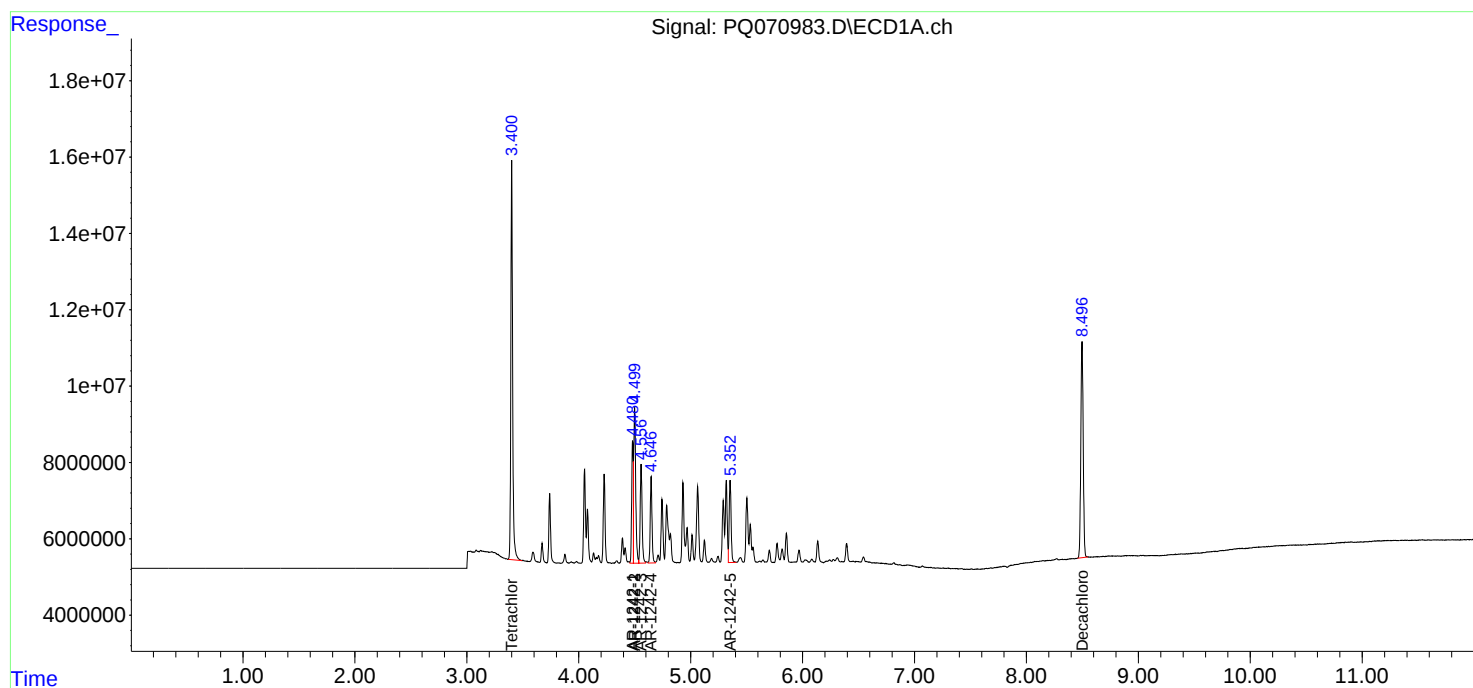
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

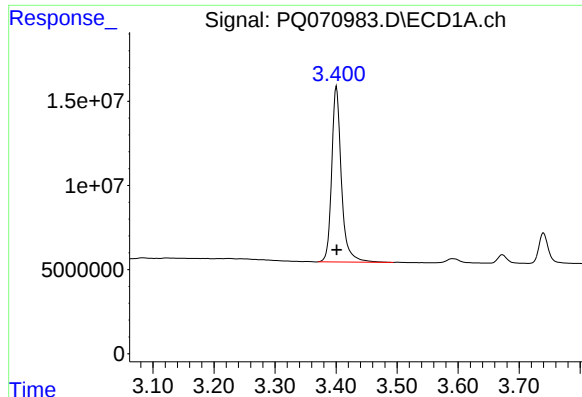
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 11:22
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:15:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:10:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

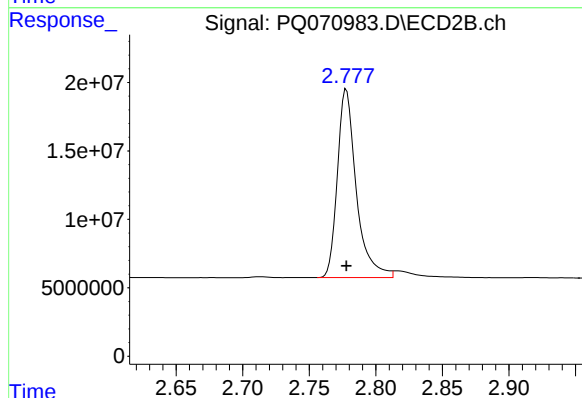




#1 Tetrachloro-m-xylene

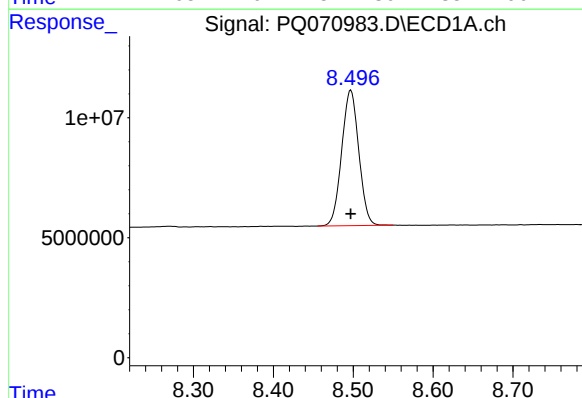
R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 115146396
Conc: 25.24 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250



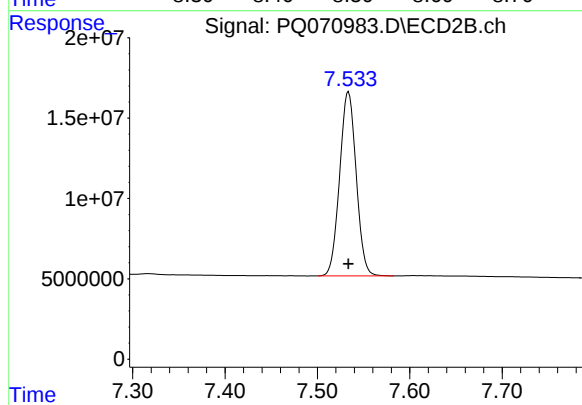
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 136161324
Conc: 24.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 83994234
Conc: 25.77 ng/ml



#2 Decachlorobiphenyl

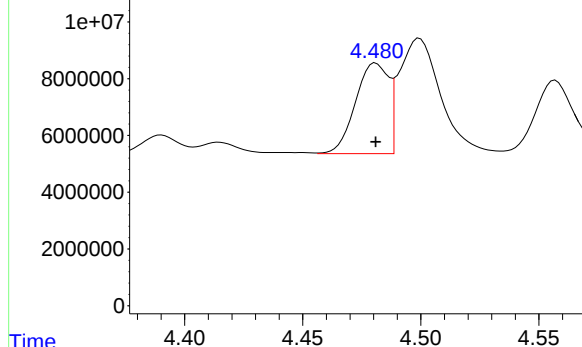
R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 142468913
Conc: 25.91 ng/ml

Response_ Signal: PQ070983.D\ECD1A.ch

#16 AR-1242-1

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 31044472
Conc: 256.29 ng/ml

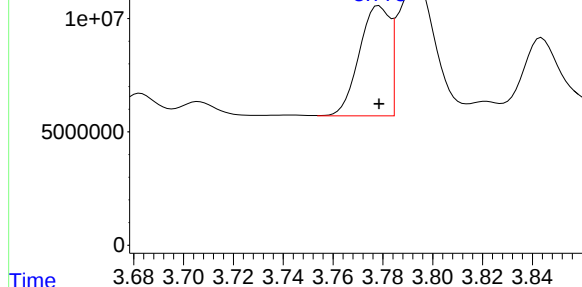
Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250



Time Response_ Signal: PQ070983.D\ECD2B.ch

#16 AR-1242-1

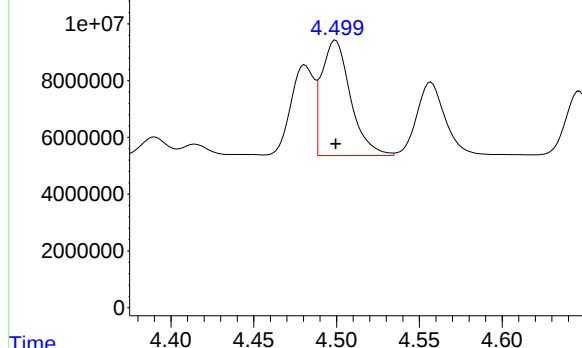
R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 41346745
Conc: 260.41 ng/ml



Time Response_ Signal: PQ070983.D\ECD1A.ch

#17 AR-1242-2

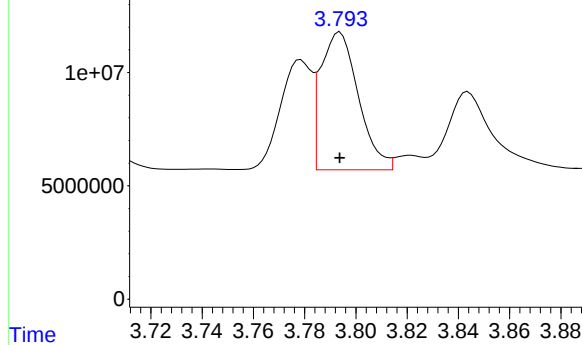
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 49429930
Conc: 260.09 ng/ml



Time Response_ Signal: PQ070983.D\ECD2B.ch

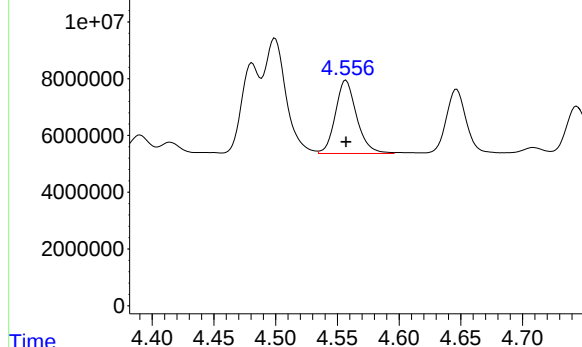
#17 AR-1242-2

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 62193156
Conc: 259.42 ng/ml



Response_ Signal: PQ070983.D\ECD1A.ch

#18 AR-1242-3

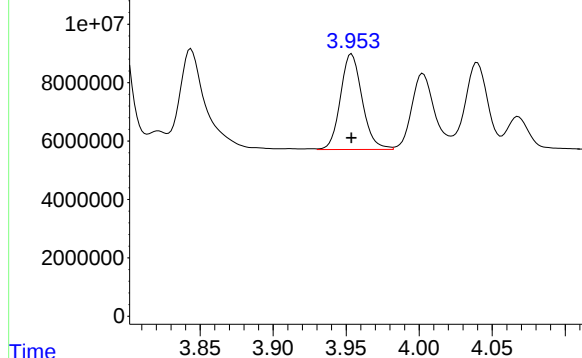


R.T.: 4.557 min
Delta R.T.: 0.000 min
Response: 30938677
Conc: 261.61 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250

Time Response_ Signal: PQ070983.D\ECD2B.ch

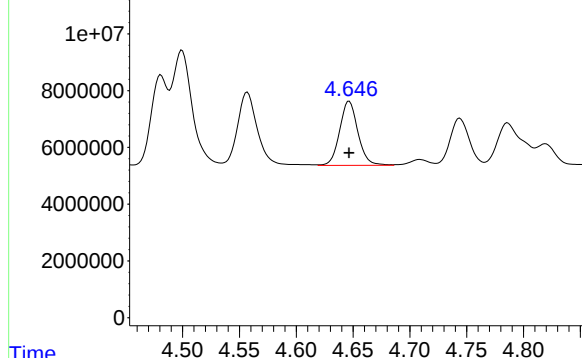
#18 AR-1242-3



R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 33857327
Conc: 259.16 ng/ml

Time Response_ Signal: PQ070983.D\ECD1A.ch

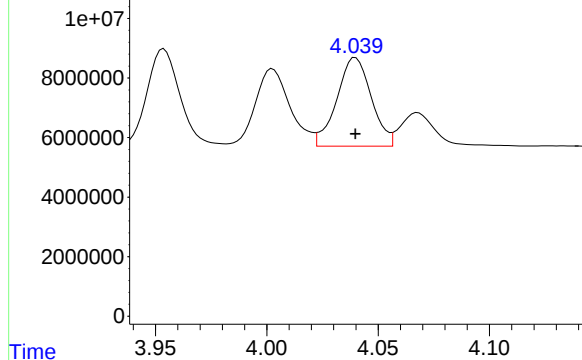
#19 AR-1242-4



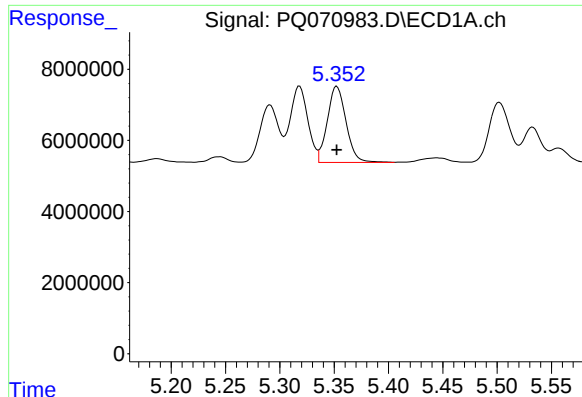
R.T.: 4.647 min
Delta R.T.: 0.000 min
Response: 25299238
Conc: 260.00 ng/ml

Time Response_ Signal: PQ070983.D\ECD2B.ch

#19 AR-1242-4



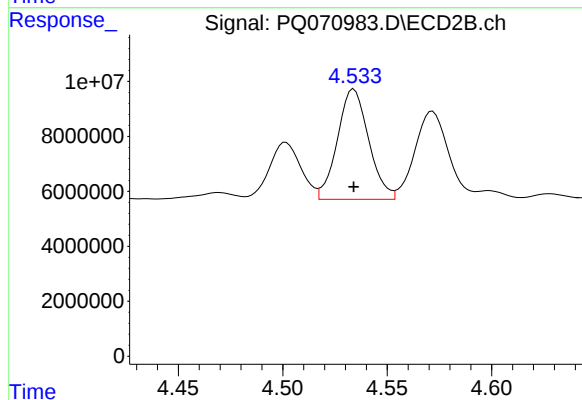
R.T.: 4.040 min
Delta R.T.: 0.000 min
Response: 32086157
Conc: 272.81 ng/ml



#20 AR-1242-5

R.T.: 5.352 min
Delta R.T.: 0.000 min
Response: 25666453
Conc: 325.09 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 41818817
Conc: 234.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
 Data File : PQ070984.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 11:37
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/13/2025
 Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 12:20:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Oct 10 12:10:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	23512581	27180813	5.122	4.883
2) SA Decachlor...	8.496	7.534	16433954	30524389	5.033	5.432
Target Compounds						
16) L4 AR-1242-1	4.481	3.777	5511662	8960987	46.335	57.042m
17) L4 AR-1242-2	4.499	3.793	9668594	12395166	50.697	51.291m
18) L4 AR-1242-3	4.556	3.953	6071735	6826795	51.068	51.803m
19) L4 AR-1242-4	4.646	4.039	5427928	5120094	54.521	44.579m
20) L4 AR-1242-5	5.317	4.534	3890240	7835249	49.488m	45.137m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 11:37
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR1242ICC050

Manual Integrations

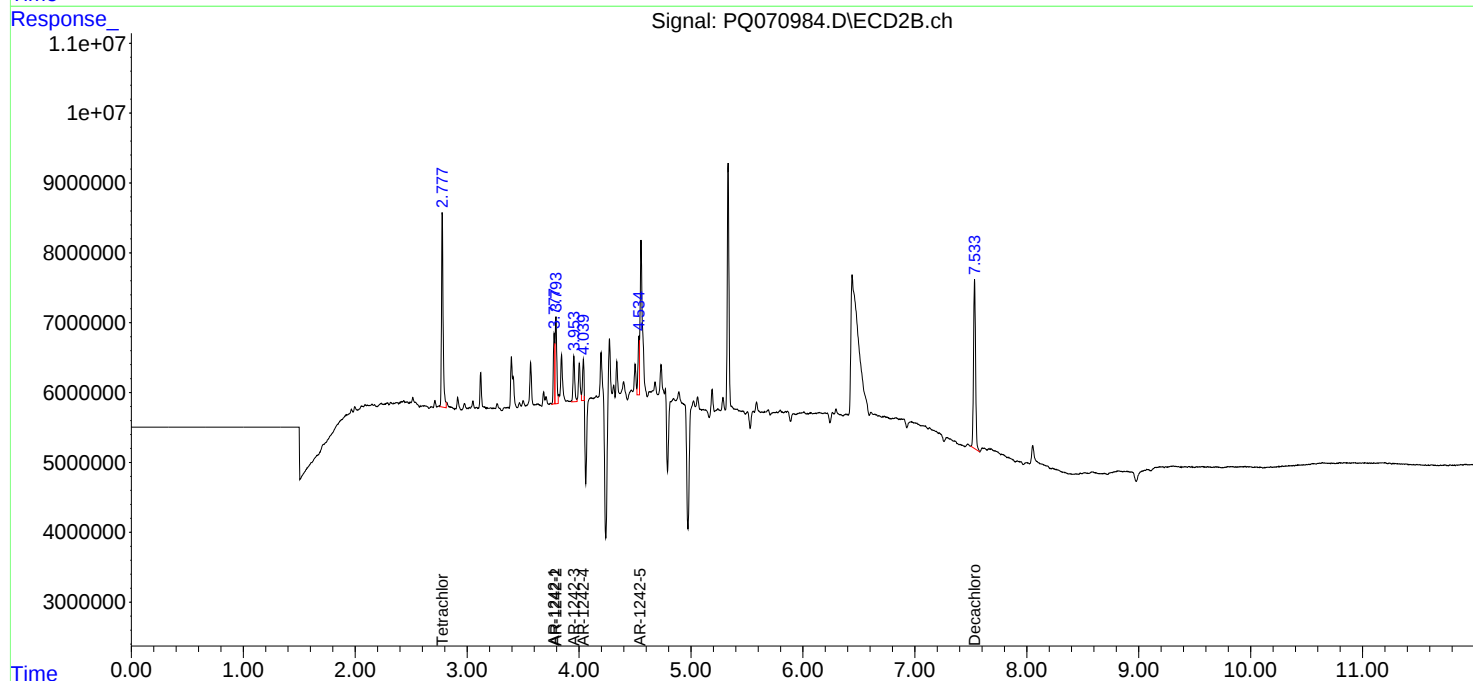
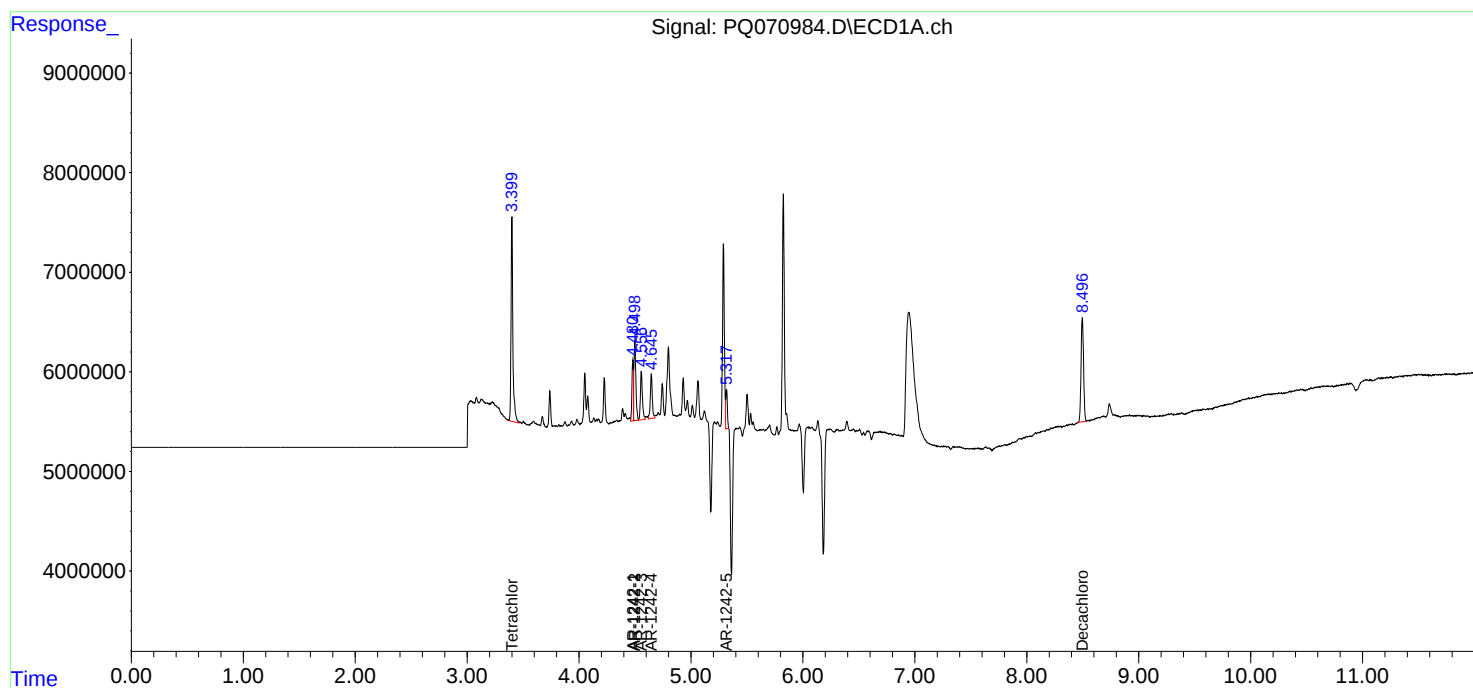
APPROVED

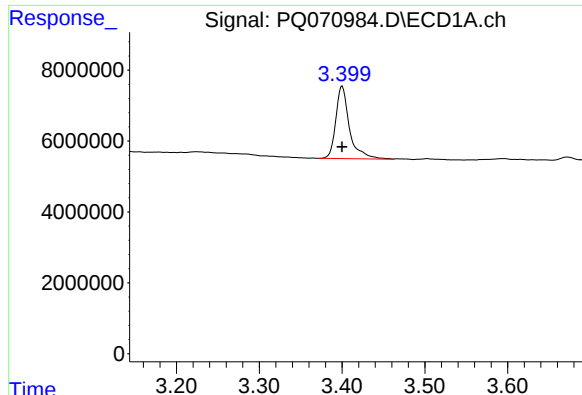
Reviewed By :Yogesh Patel 10/13/2025

Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:20:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:10:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





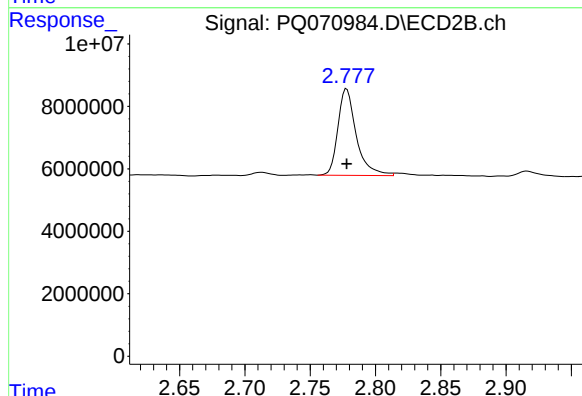
#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 23512581
Conc: 5.12 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050

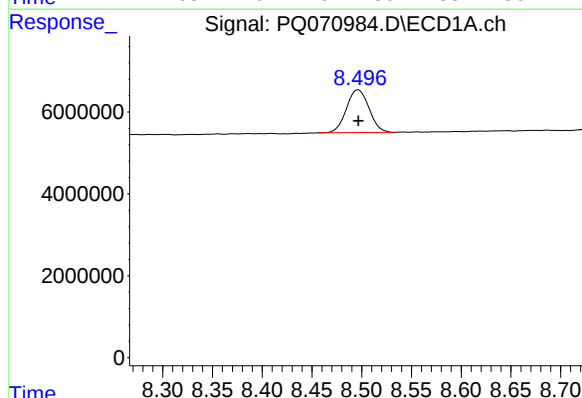
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



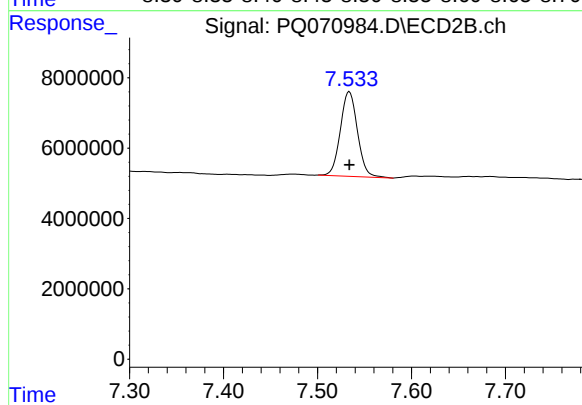
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 27180813
Conc: 4.88 ng/ml



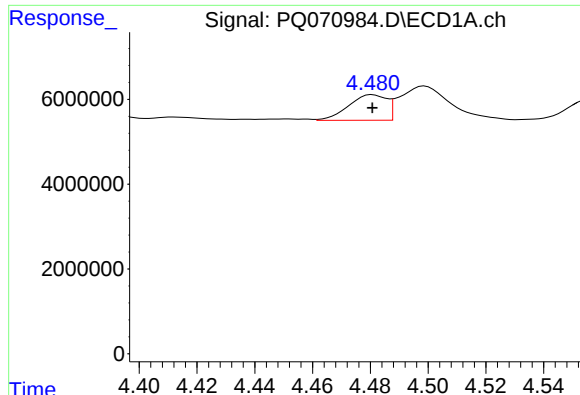
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 16433954
Conc: 5.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 30524389
Conc: 5.43 ng/ml



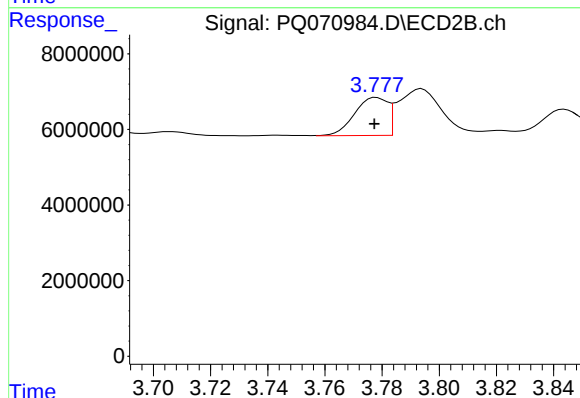
#16 AR-1242-1

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 5511662
Conc: 46.34 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050

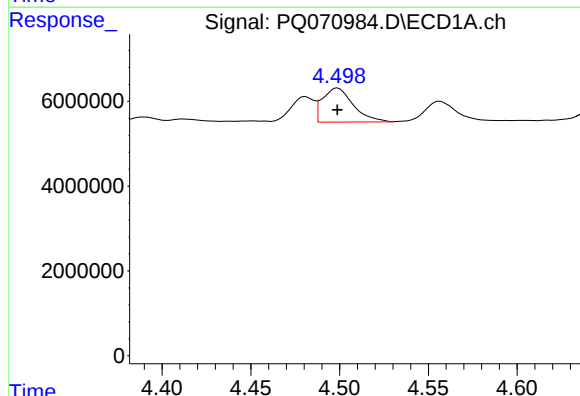
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



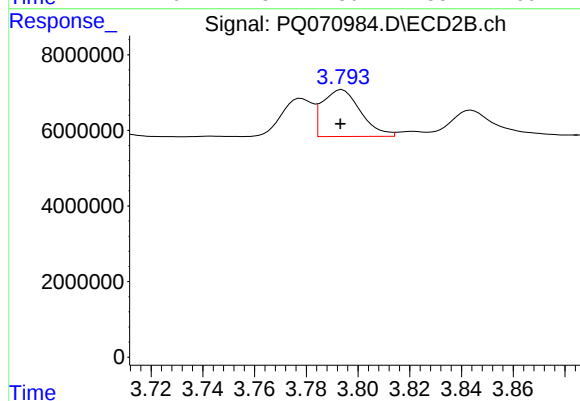
#16 AR-1242-1

R.T.: 3.777 min
Delta R.T.: 0.000 min
Response: 8960987
Conc: 57.04 ng/ml m



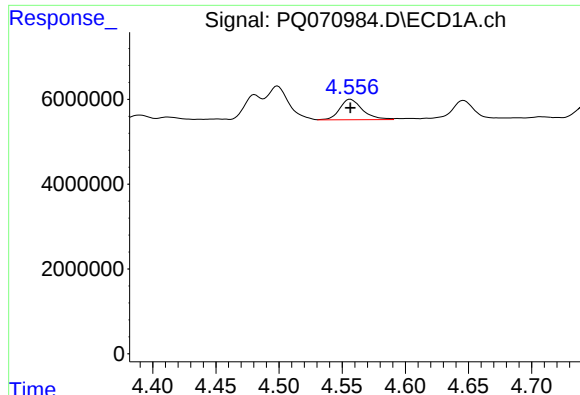
#17 AR-1242-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 9668594
Conc: 50.70 ng/ml



#17 AR-1242-2

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 12395166
Conc: 51.29 ng/ml m



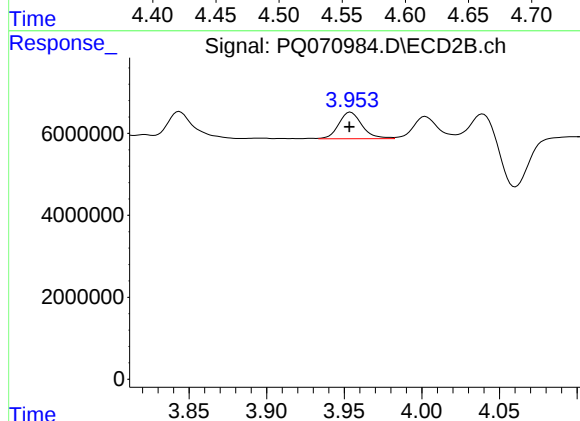
#18 AR-1242-3

R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 6071735
Conc: 51.07 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050

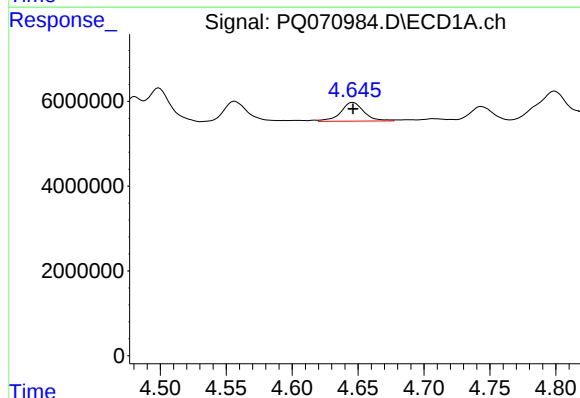
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



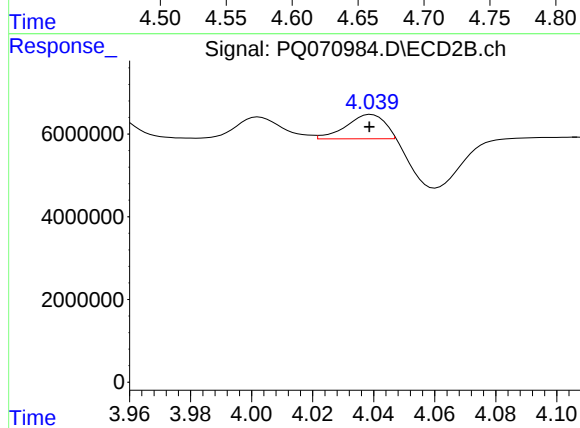
#18 AR-1242-3

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 6826795
Conc: 51.80 ng/ml m



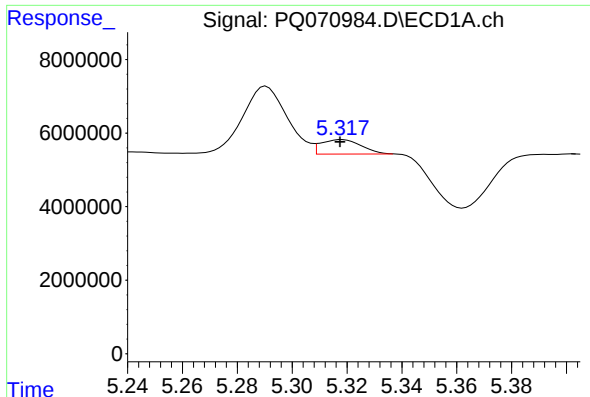
#19 AR-1242-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 5427928
Conc: 54.52 ng/ml



#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 5120094
Conc: 44.58 ng/ml m



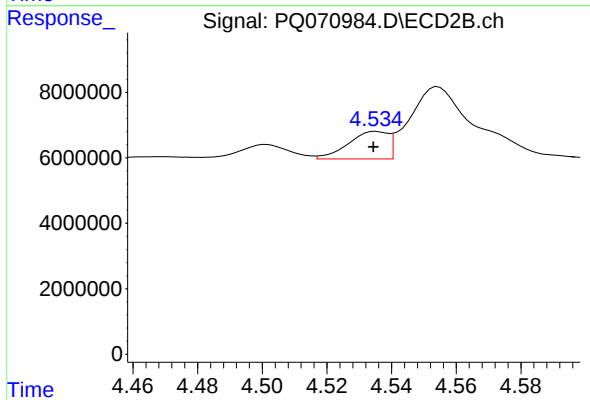
#20 AR-1242-5

R.T.: 5.317 min
Delta R.T.: 0.000 min
Response: 3890240
Conc: 49.49 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



#20 AR-1242-5

R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 7835249
Conc: 45.14 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 11:51
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:40:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:37:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	454.7E6	549.9E6	97.923	98.007
2) SA Decachlor...	8.496	7.534	317.7E6	535.7E6	96.574	96.631
Target Compounds						
21) L5 AR-1248-1	4.480	3.778	89951061	118.1E6	950.710	962.148
22) L5 AR-1248-2	4.743	4.002	126.8E6	173.0E6	954.654	954.823
23) L5 AR-1248-3	4.930	4.039	153.0E6	167.6E6	958.744	969.281
24) L5 AR-1248-4	5.318	4.197	167.1E6	207.4E6	954.987	947.004
25) L5 AR-1248-5	5.353	4.572	163.7E6	211.1E6	1106.316	928.819

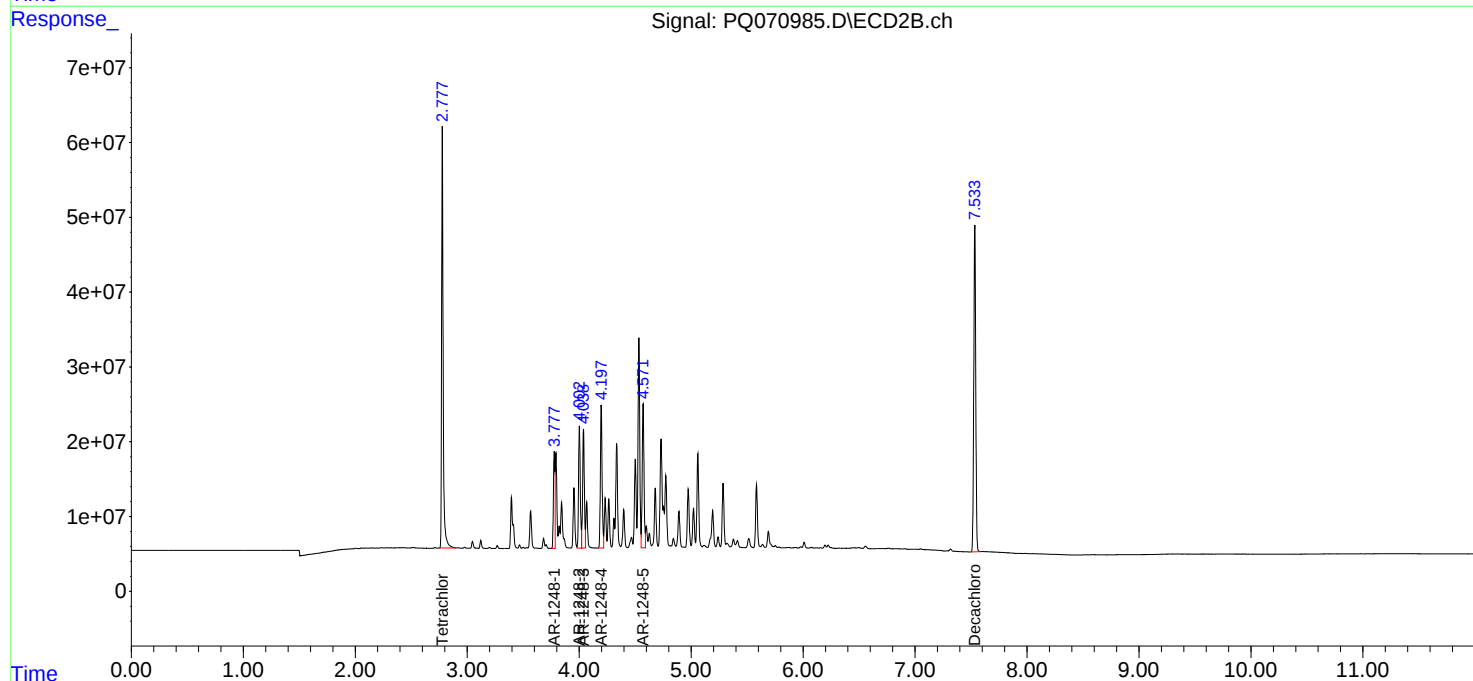
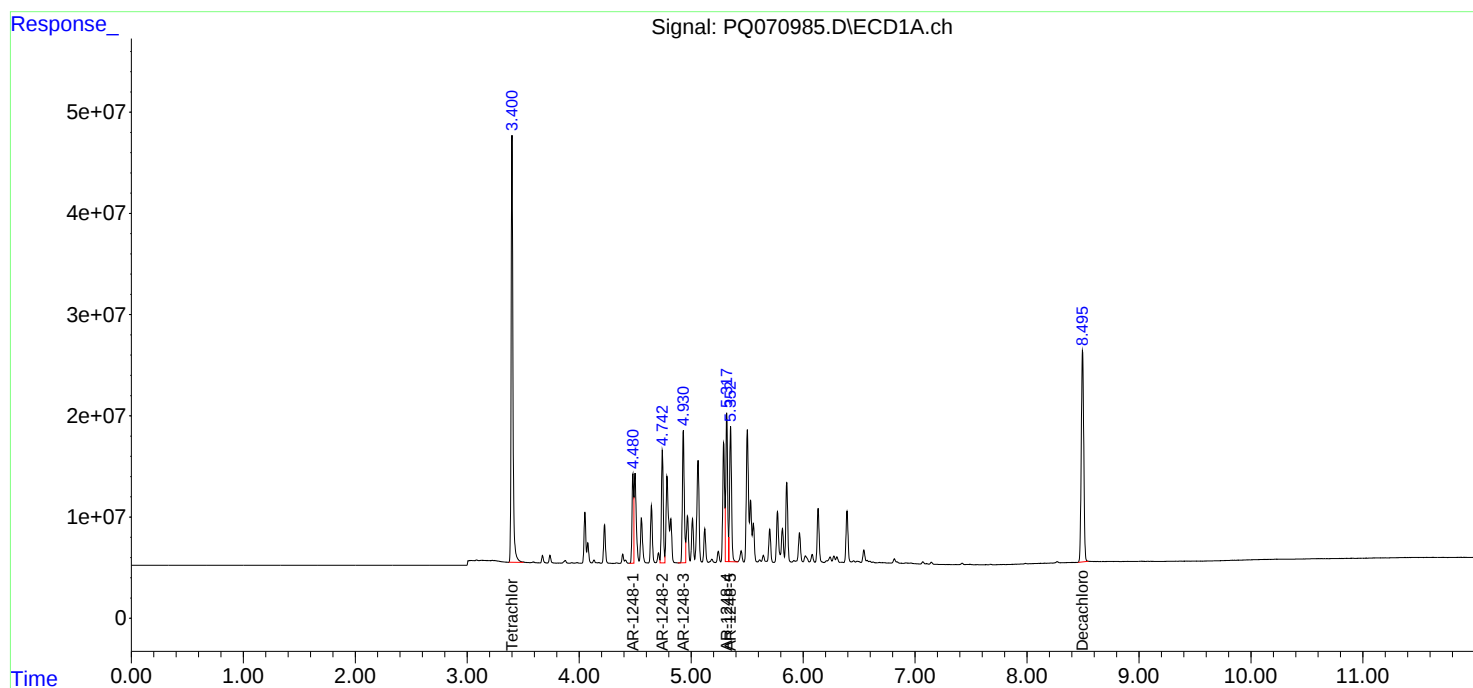
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 11:51
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

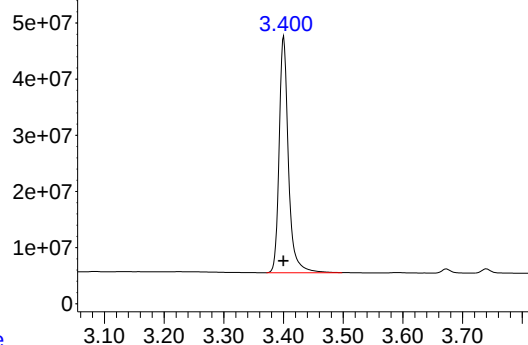
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:40:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:37:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: PQ070985.D\ECD1A.ch

#1 Tetrachloro-m-xylene

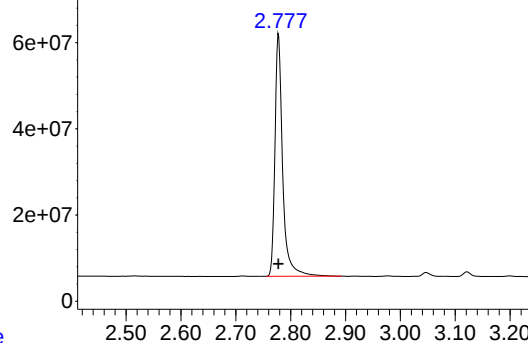


R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 454650898
Conc: 97.92 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

Time Response_ Signal: PQ070985.D\ECD2B.ch

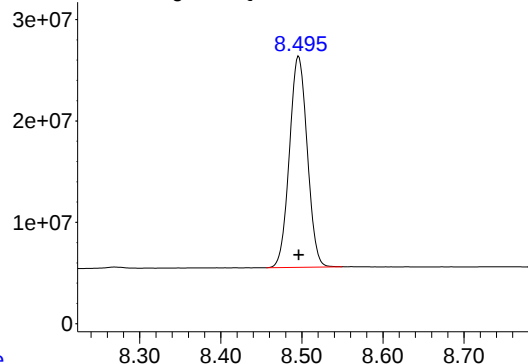
#1 Tetrachloro-m-xylene



R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 549926827
Conc: 98.01 ng/ml

Time Response_ Signal: PQ070985.D\ECD1A.ch

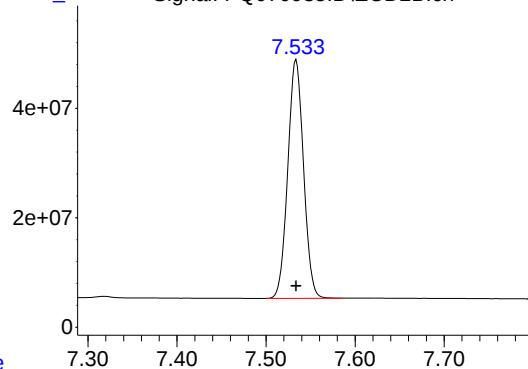
#2 Decachlorobiphenyl



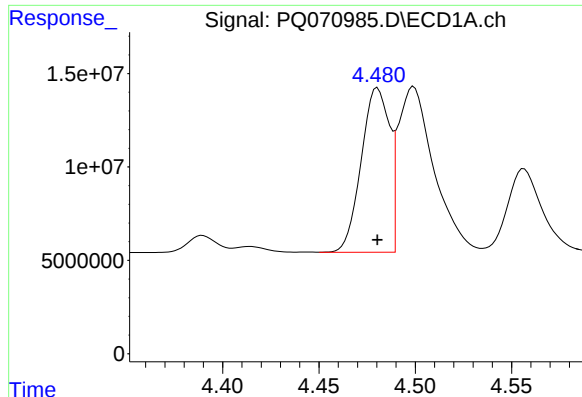
R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 317734844
Conc: 96.57 ng/ml

Time Response_ Signal: PQ070985.D\ECD2B.ch

#2 Decachlorobiphenyl



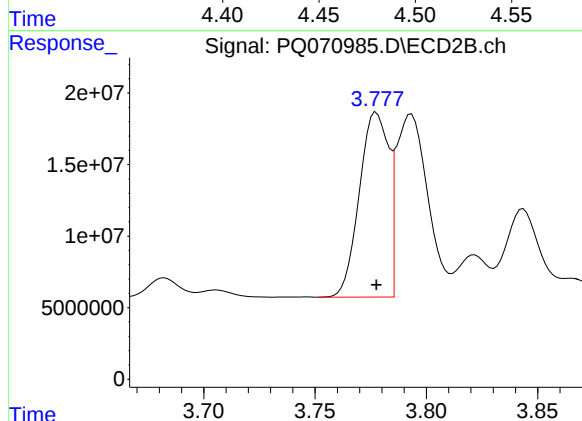
R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 535728433
Conc: 96.63 ng/ml



#21 AR-1248-1

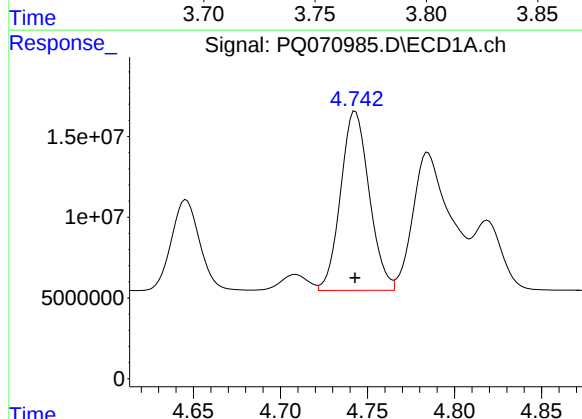
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 89951061
Conc: 950.71 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000



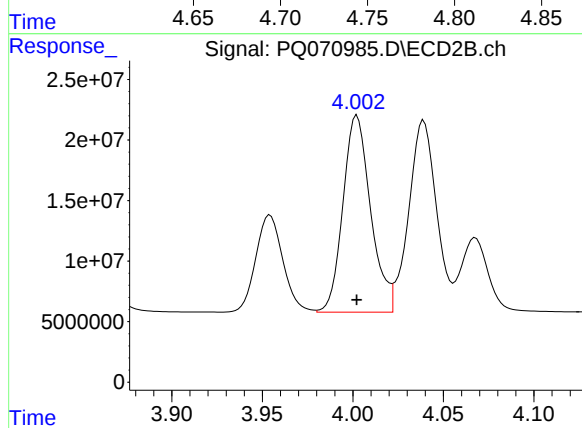
#21 AR-1248-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 118147108
Conc: 962.15 ng/ml



#22 AR-1248-2

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 126849870
Conc: 954.65 ng/ml

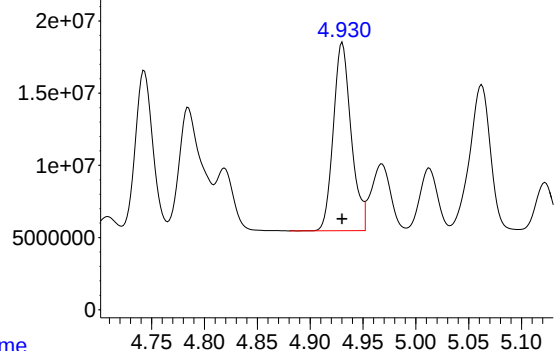


#22 AR-1248-2

R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 172958749
Conc: 954.82 ng/ml

Response_ Signal: PQ070985.D\ECD1A.ch

#23 AR-1248-3

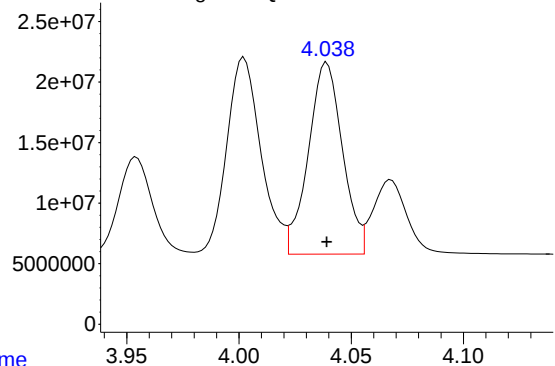


R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 152980867
Conc: 958.74 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

Time Response_ Signal: PQ070985.D\ECD2B.ch

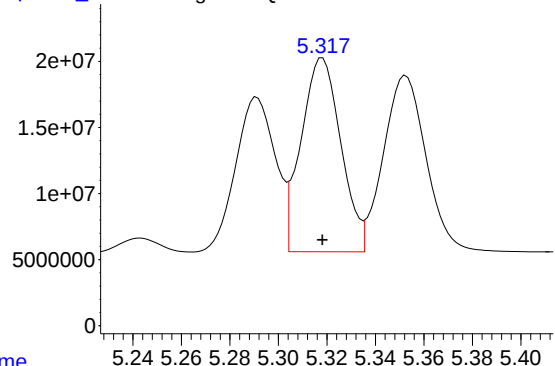
#23 AR-1248-3



R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 167593672
Conc: 969.28 ng/ml

Time Response_ Signal: PQ070985.D\ECD1A.ch

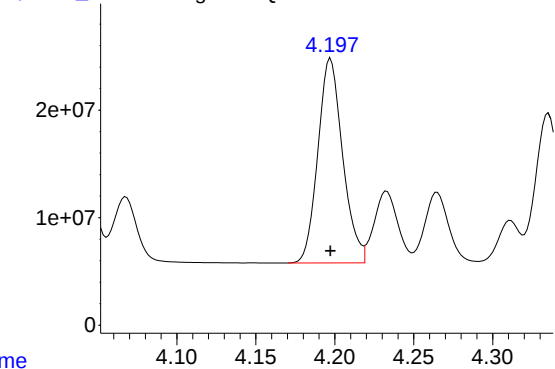
#24 AR-1248-4



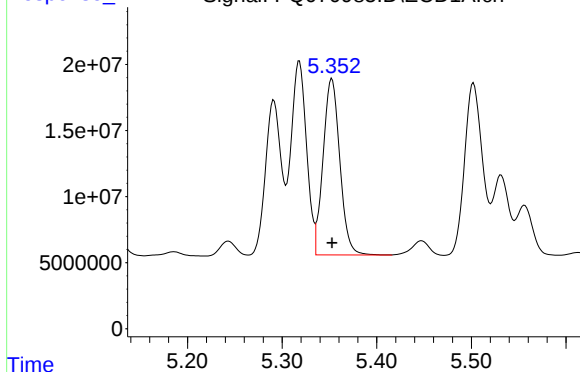
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 167077290
Conc: 954.99 ng/ml

Time Response_ Signal: PQ070985.D\ECD2B.ch

#24 AR-1248-4



R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 207432918
Conc: 947.00 ng/ml



R.T.: 5.353 min
Delta R.T.: 0.000 min
Response: 163667698
Conc: 1106.32 ng/ml

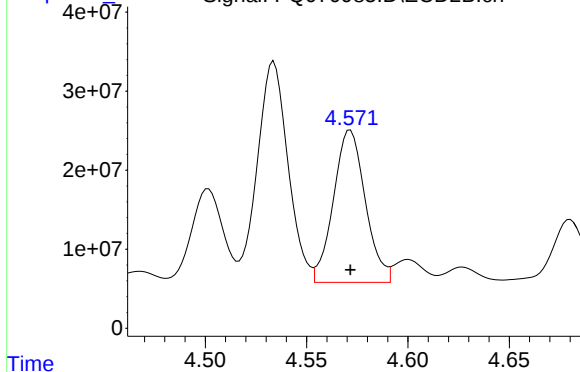
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

Time

Response

Signal: PQ070985.D\ECD2B.ch

#25 AR-1248-5



R.T.: 4.572 min
Delta R.T.: 0.000 min
Response: 211078475
Conc: 928.82 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:06
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:46:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:37:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	344.9E6	417.8E6	74.527	74.644
2) SA Decachlor...	8.495	7.533	243.6E6	409.6E6	74.366	74.245
Target Compounds						
21) L5 AR-1248-1	4.480	3.777	69602185	90481437	740.364	741.181
22) L5 AR-1248-2	4.744	4.002	98823740	133.3E6	745.811	740.453
23) L5 AR-1248-3	4.931	4.039	118.2E6	129.7E6	743.646	750.086
24) L5 AR-1248-4	5.318	4.197	129.8E6	160.6E6	744.762	738.847
25) L5 AR-1248-5	5.352	4.571	126.1E6	162.5E6	815.290	726.458

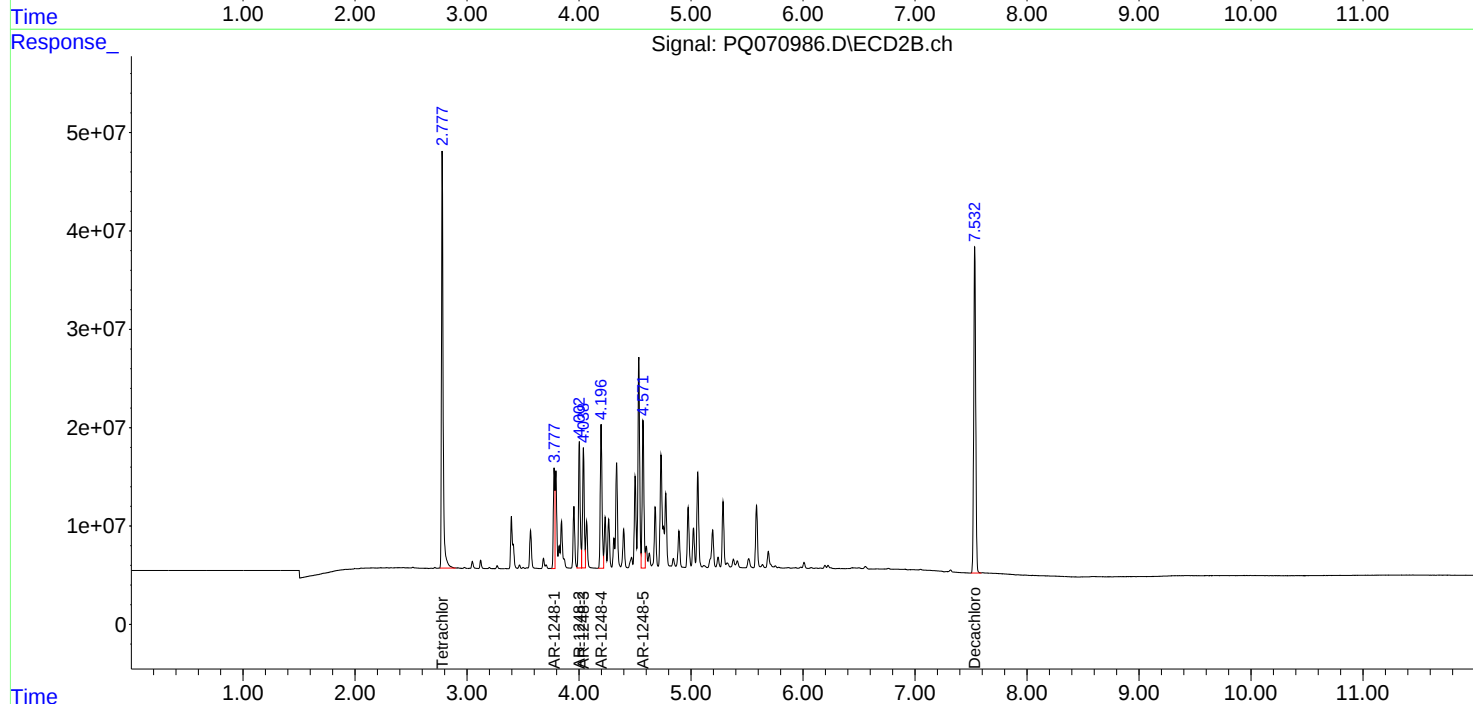
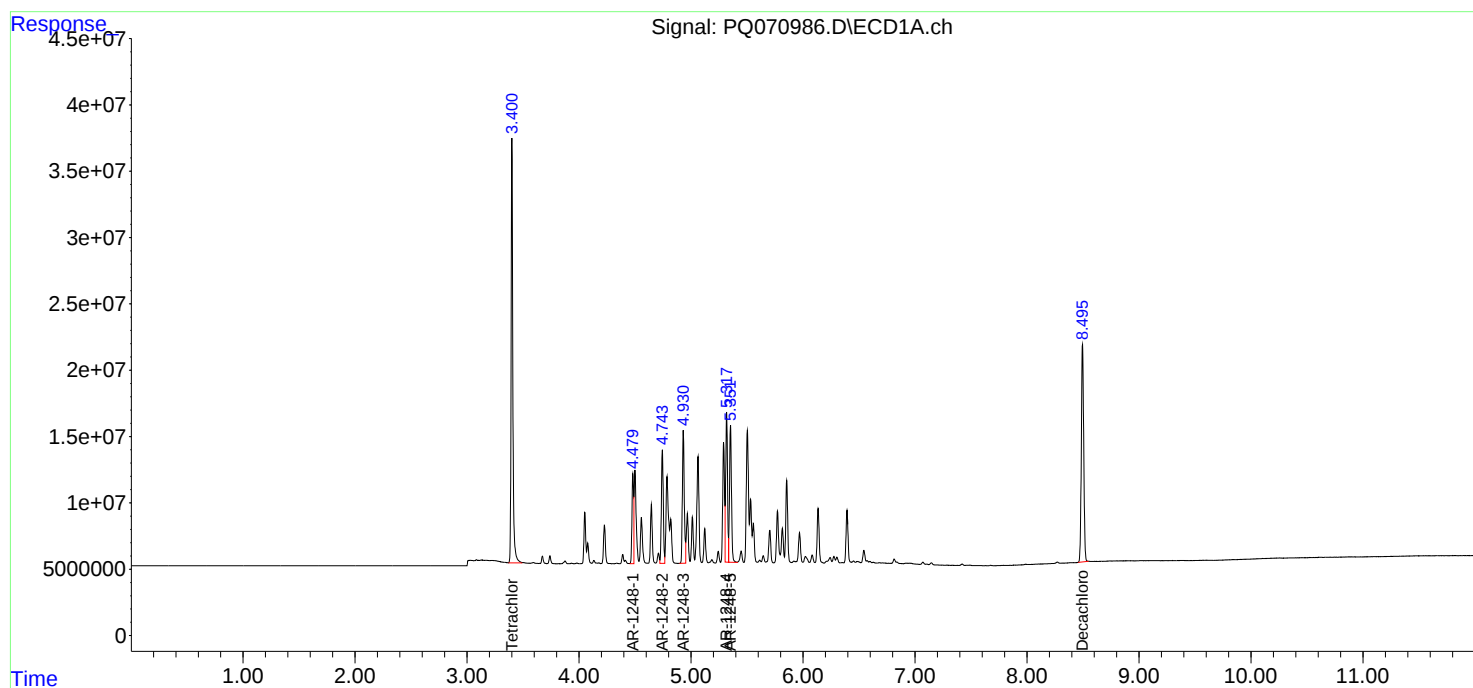
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:06
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:46:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:37:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

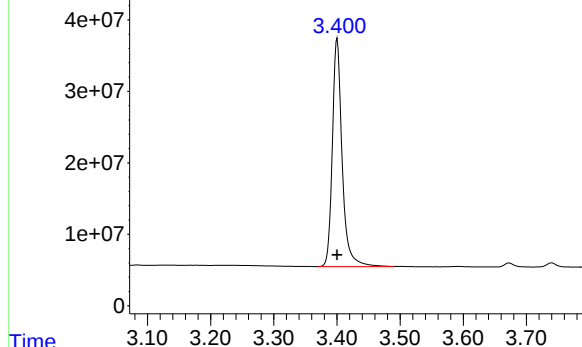


Response_ Signal: PQ070986.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 344936586
Conc: 74.53 ng/ml

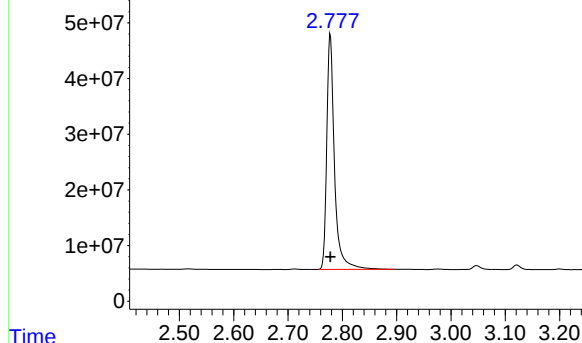
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750



Time Response_ Signal: PQ070986.D\ECD2B.ch

#1 Tetrachloro-m-xylene

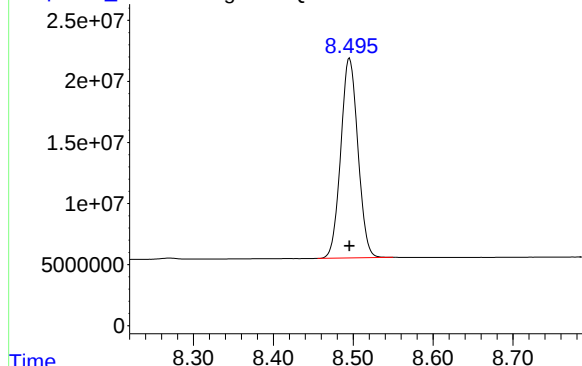
R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 417847054
Conc: 74.64 ng/ml



Time Response_ Signal: PQ070986.D\ECD1A.ch

#2 Decachlorobiphenyl

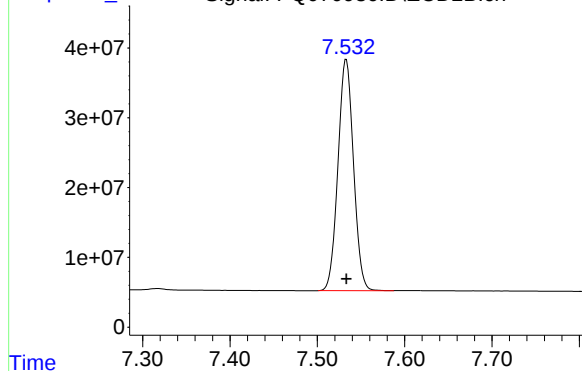
R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 243638918
Conc: 74.37 ng/ml



Time Response_ Signal: PQ070986.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 409558512
Conc: 74.25 ng/ml



Response_

Signal: PQ070986.D\ECD1A.ch

#21 AR-1248-1

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 69602185
Conc: 740.36 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750

1e+07

5000000

0

4.479

+

Time

4.40

4.45

4.50

4.55

Response_

Signal: PQ070986.D\ECD2B.ch

#21 AR-1248-1

R.T.: 3.777 min
Delta R.T.: 0.000 min
Response: 90481437
Conc: 741.18 ng/ml

1.5e+07

1e+07

5000000

0

3.777

+

Time

3.70

3.75

3.80

3.85

Response_

Signal: PQ070986.D\ECD1A.ch

#22 AR-1248-2

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 98823740
Conc: 745.81 ng/ml

1.5e+07

1e+07

5000000

0

4.743

+

Time

4.65

4.70

4.75

4.80

Response_

Signal: PQ070986.D\ECD2B.ch

#22 AR-1248-2

R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 133279046
Conc: 740.45 ng/ml

2e+07

1.5e+07

1e+07

5000000

0

4.002

+

Time

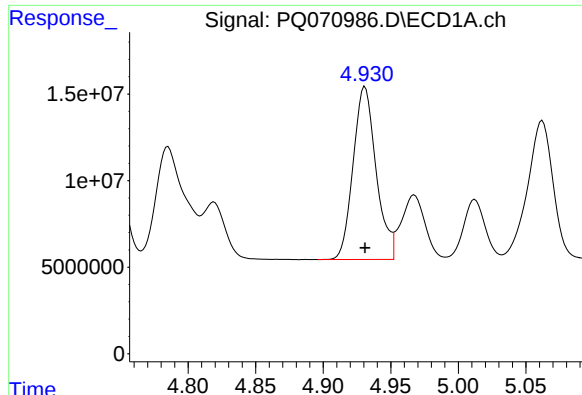
3.90

3.95

4.00

4.05

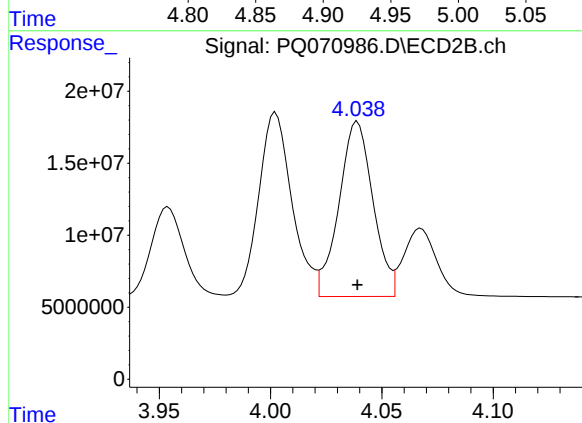
4.10



#23 AR-1248-3

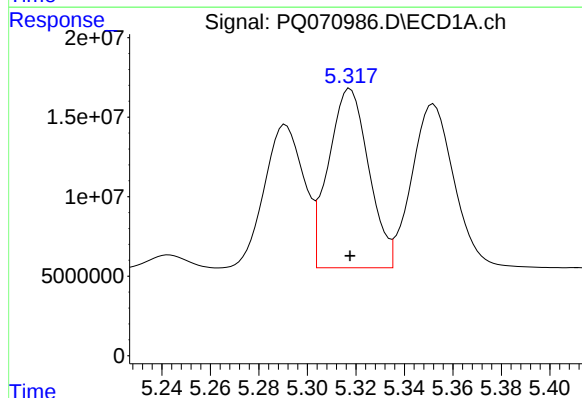
R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 118158493
Conc: 743.65 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750



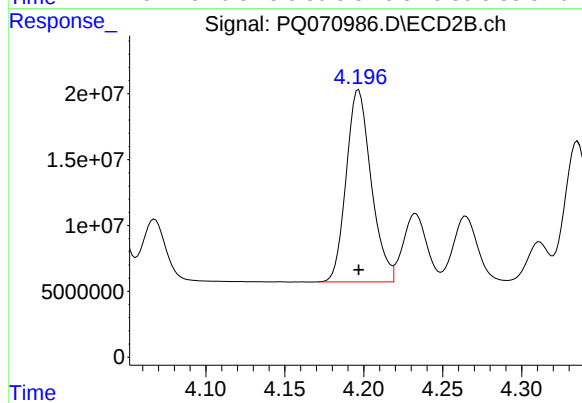
#23 AR-1248-3

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 129701077
Conc: 750.09 ng/ml



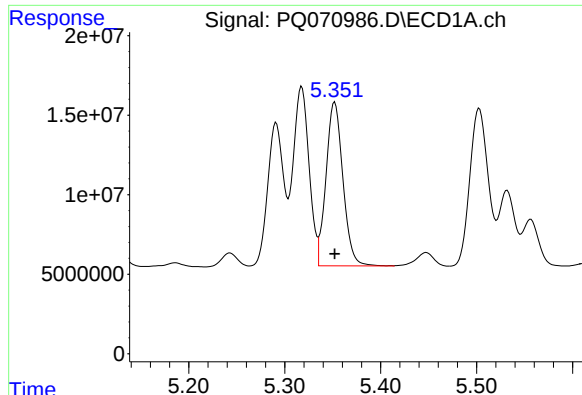
#24 AR-1248-4

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 129844545
Conc: 744.76 ng/ml



#24 AR-1248-4

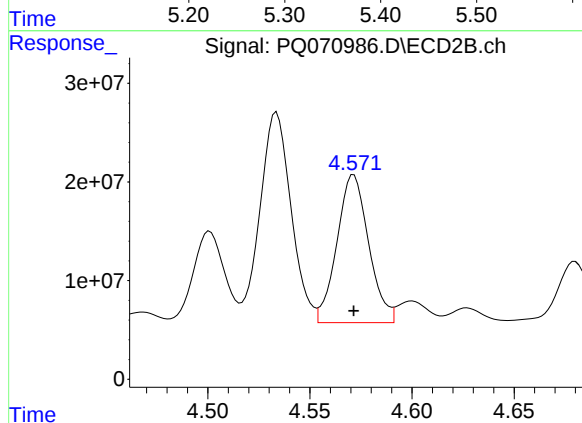
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 160643613
Conc: 738.85 ng/ml



#25 AR-1248-5

R.T.: 5.352 min
Delta R.T.: 0.000 min
Response: 126102213
Conc: 815.29 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 4.571 min
Delta R.T.: 0.000 min
Response: 162540024
Conc: 726.46 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:20
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:37:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:37:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	237.0E6	286.1E6	50.000	50.000
2) SA Decachlor...	8.496	7.532	170.1E6	286.5E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.480	3.778	49639121	63721566	500.000	500.000
22) L5 AR-1248-2	4.744	4.002	69450264	94662929	500.000	500.000
23) L5 AR-1248-3	4.931	4.039	83073425	89108340	500.000	500.000
24) L5 AR-1248-4	5.318	4.197	91413720	115.3E6	500.000	500.000
25) L5 AR-1248-5	5.351	4.571	66105541	121.7E6	500.000	500.000

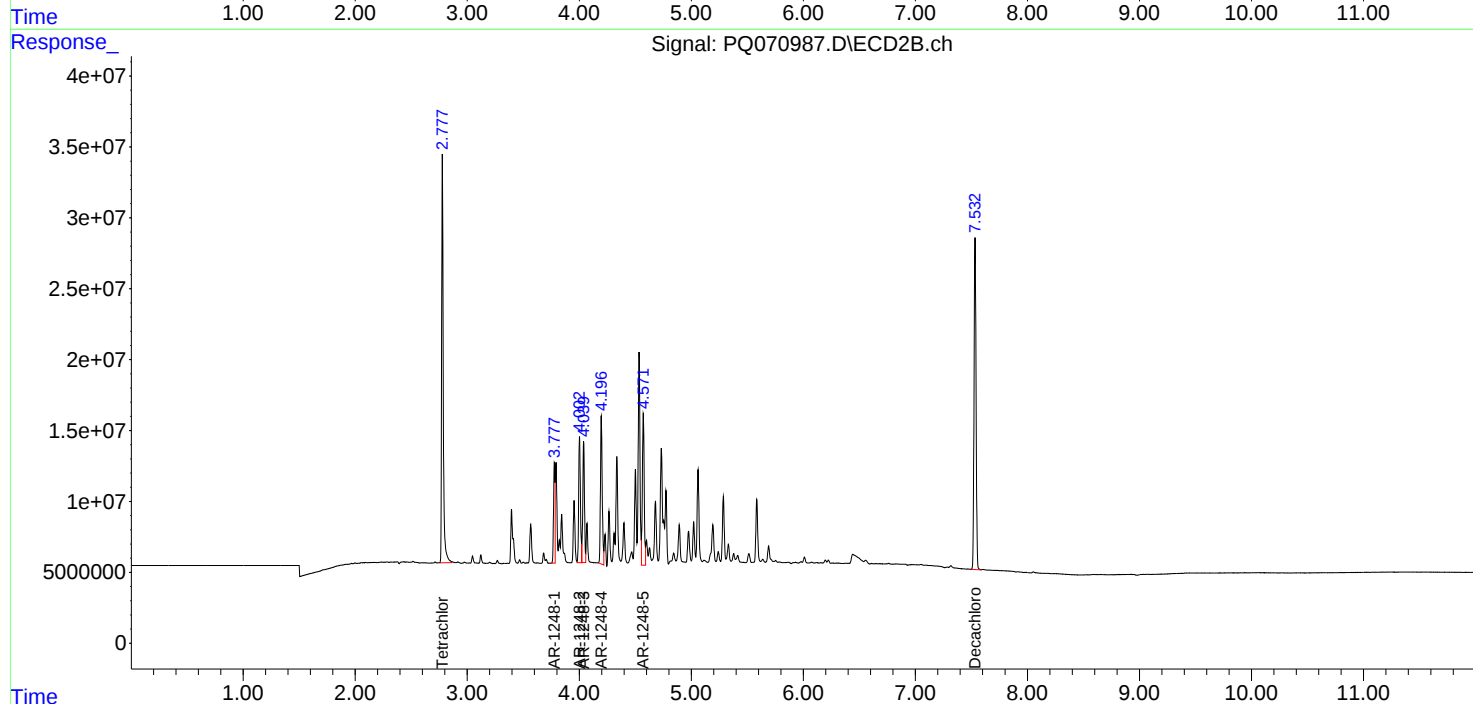
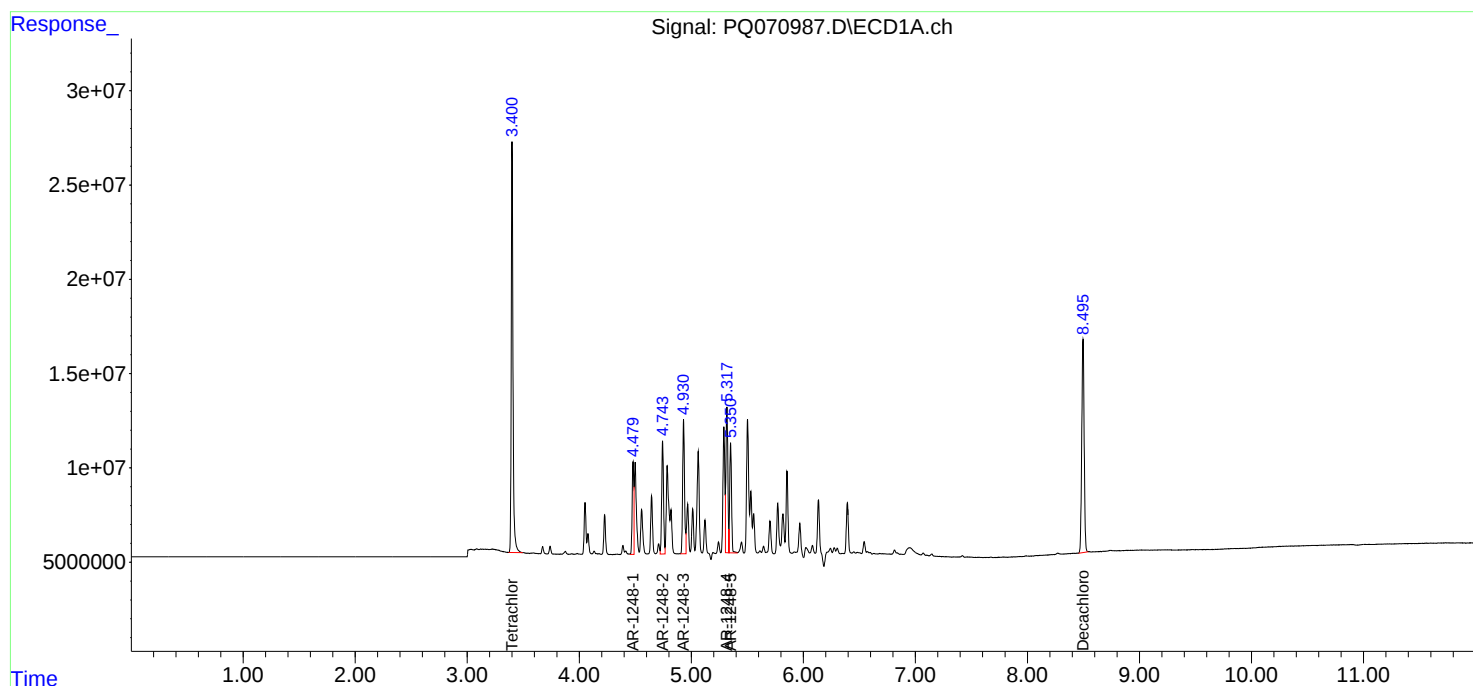
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

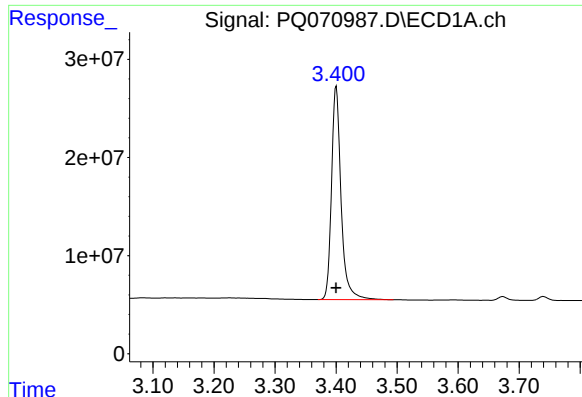
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:20
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:37:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:37:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

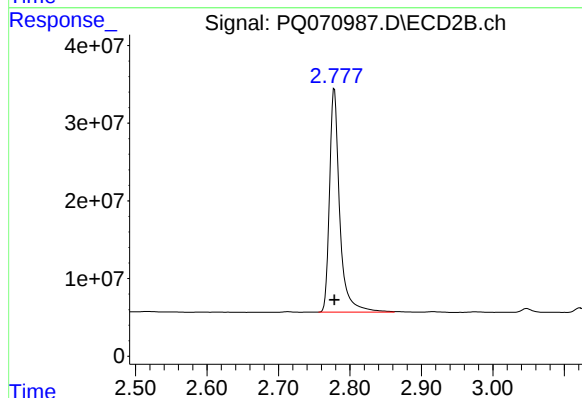




#1 Tetrachloro-m-xylene

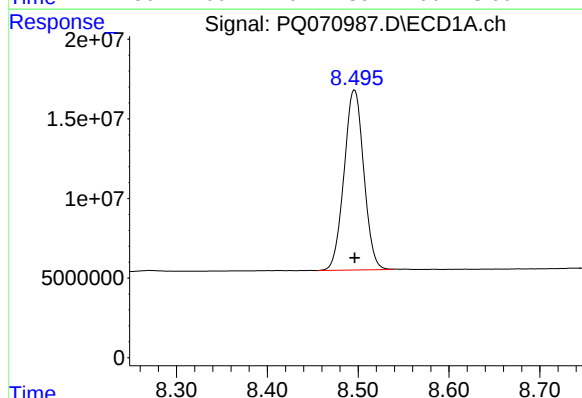
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 236970659
Conc: 50.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500



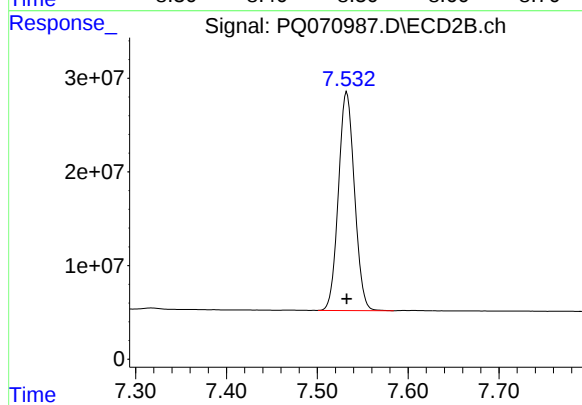
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 286146810
Conc: 50.00 ng/ml



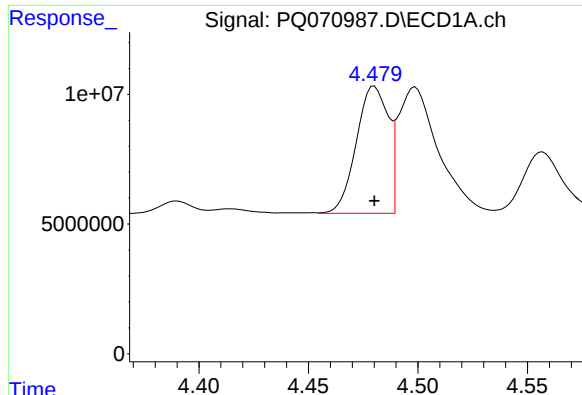
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 170138327
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

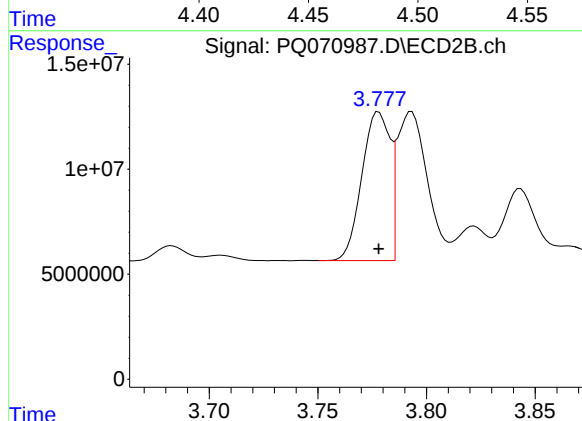
R.T.: 7.532 min
Delta R.T.: 0.000 min
Response: 286540483
Conc: 50.00 ng/ml



#21 AR-1248-1

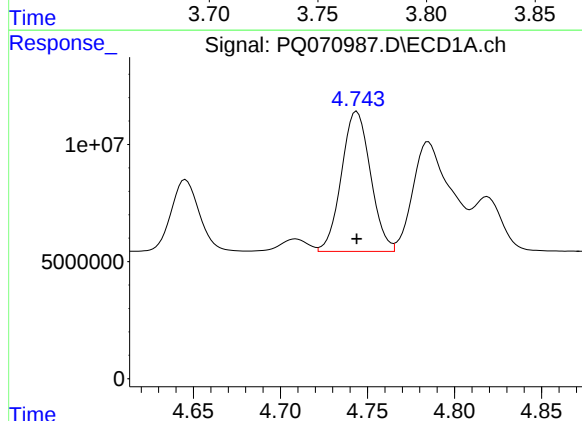
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 49639121
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500



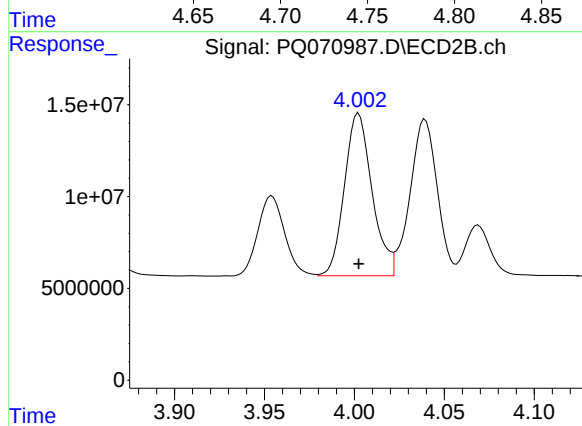
#21 AR-1248-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 63721566
Conc: 500.00 ng/ml



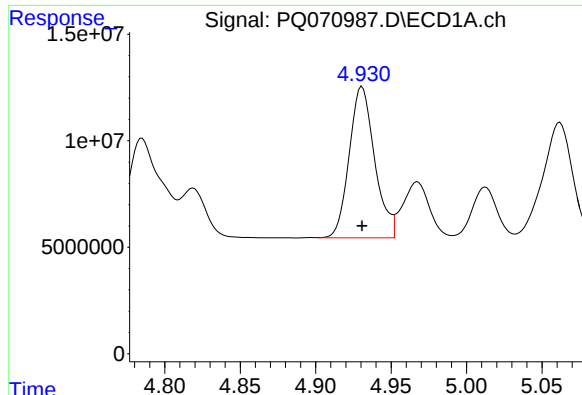
#22 AR-1248-2

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 69450264
Conc: 500.00 ng/ml



#22 AR-1248-2

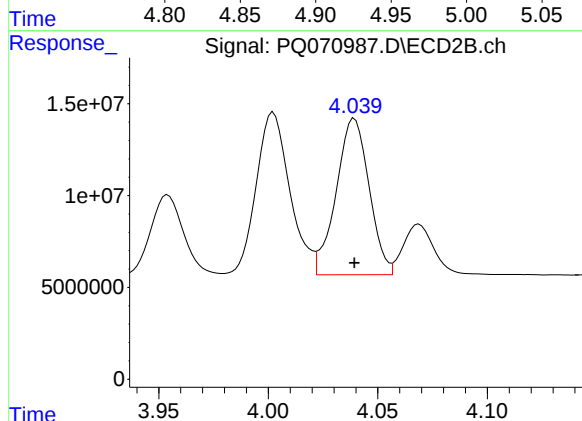
R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 94662929
Conc: 500.00 ng/ml



#23 AR-1248-3

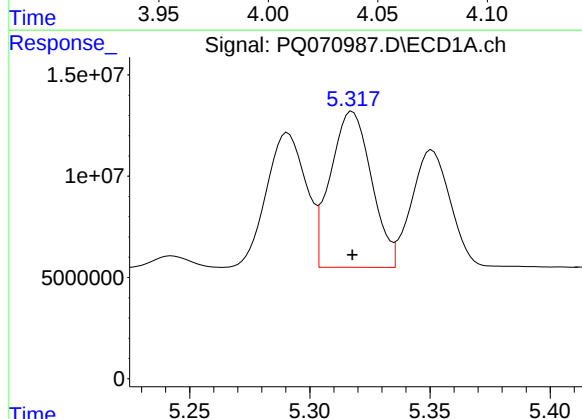
R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 83073425
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500



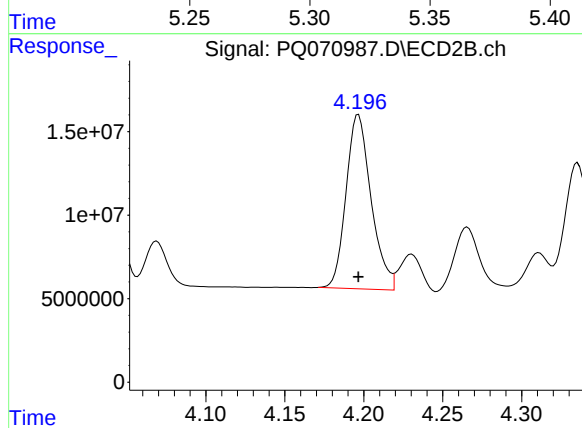
#23 AR-1248-3

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 89108340
Conc: 500.00 ng/ml



#24 AR-1248-4

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 91413720
Conc: 500.00 ng/ml

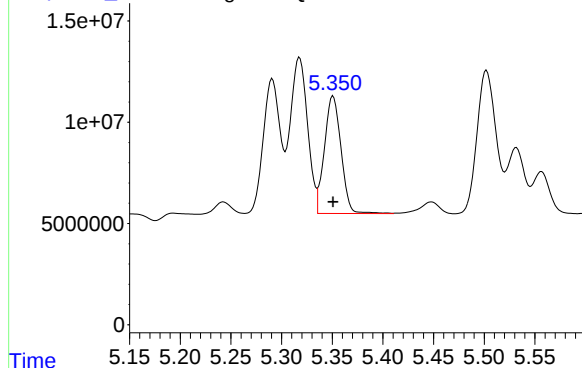


#24 AR-1248-4

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 115324829
Conc: 500.00 ng/ml

Signal: PQ070987.D\ECD1A.ch

#25 AR-1248-5

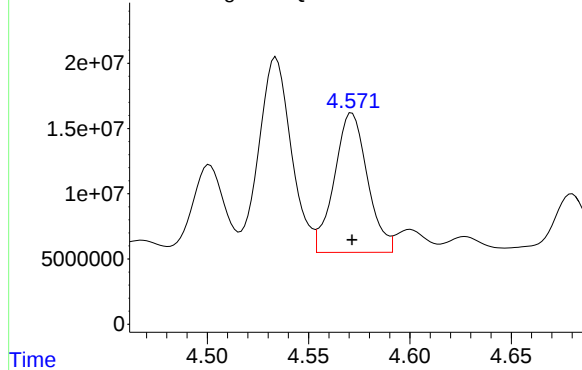


R.T.: 5.351 min
Delta R.T.: 0.000 min
Response: 66105541
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500

Signal: PQ070987.D\ECD2B.ch

#25 AR-1248-5



R.T.: 4.571 min
Delta R.T.: 0.000 min
Response: 121715396
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
 Data File : PQ070988.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 12:35
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/13/2025
 Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 12:50:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Oct 10 12:37:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.401	2.778	117.1E6	141.6E6	25.232	25.223
2) SA Decachlor...	8.497	7.534	85869763	146.1E6	25.897	26.099
Target Compounds						
21) L5 AR-1248-1	4.481	3.778	24349976	33050222	256.699	265.233
22) L5 AR-1248-2	4.744	4.002	35564341	49025433	263.550	266.409
23) L5 AR-1248-3	4.931	4.039	41870274	45515698	260.002	259.790
24) L5 AR-1248-4	5.318	4.196	46678299	58029144	263.071	262.398m
25) L5 AR-1248-5	5.351	4.570	30347346	62706574	207.360	273.971m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:35
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

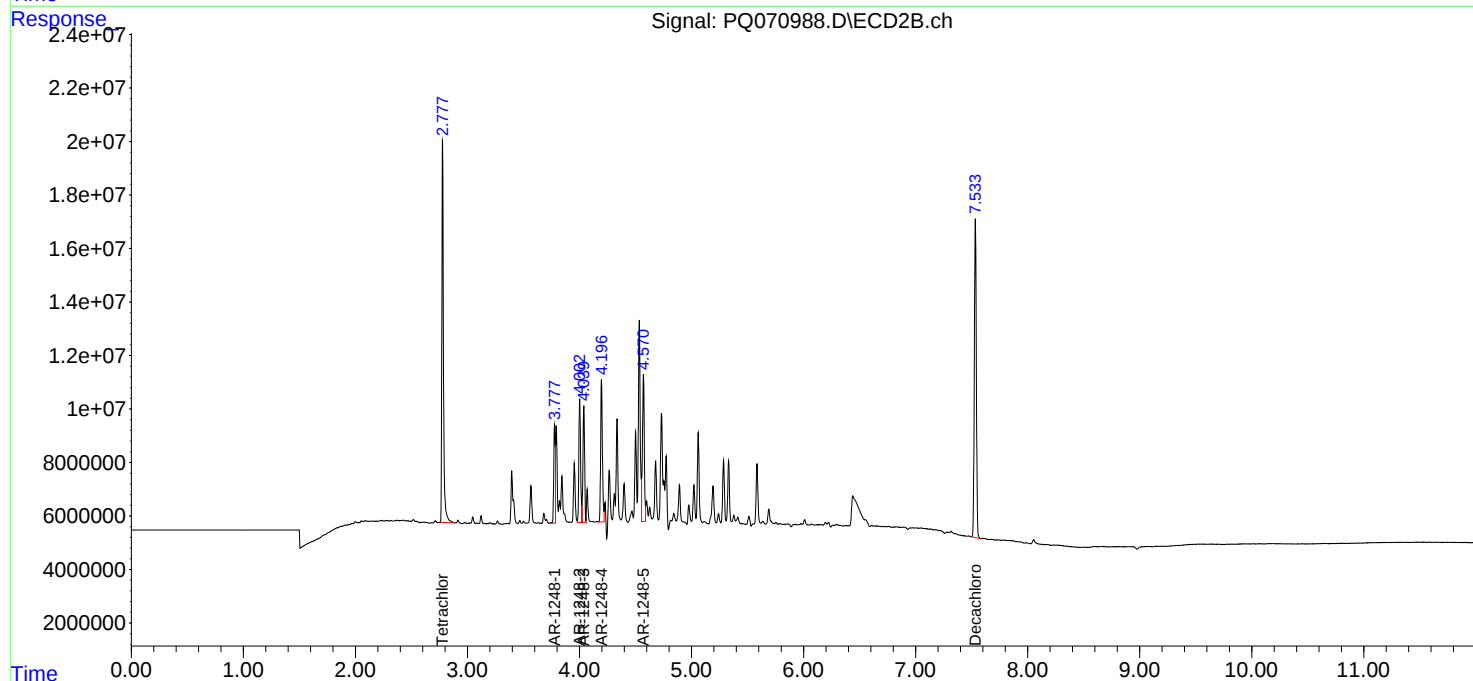
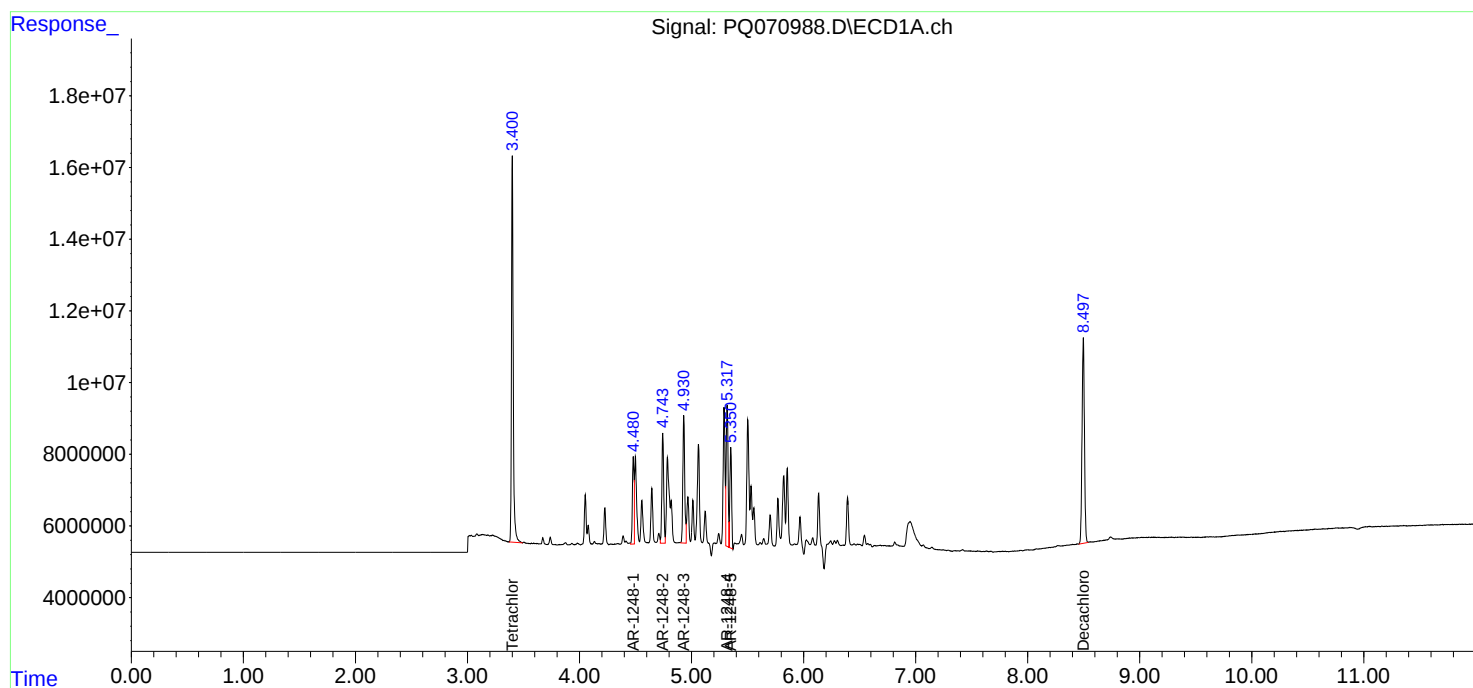
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

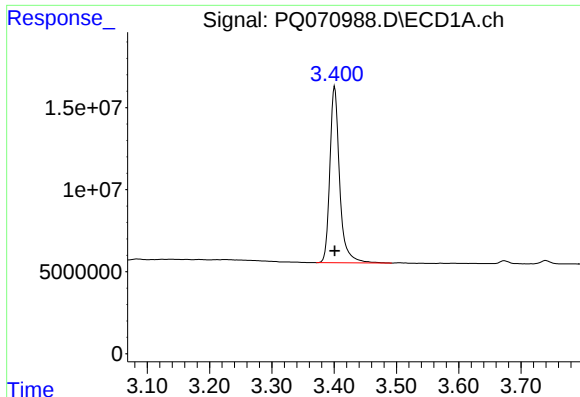
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 12:50:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 12:37:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





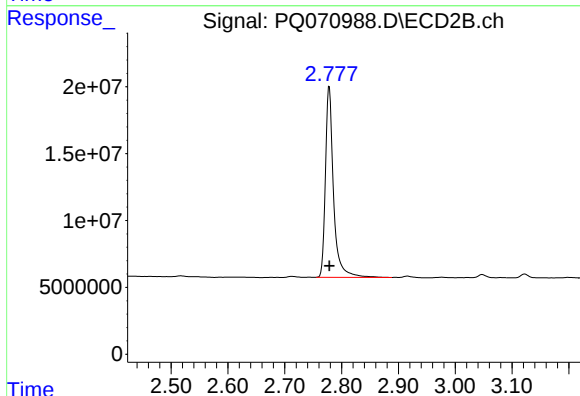
#1 Tetrachloro-m-xylene

R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 117145709
Conc: 25.23 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

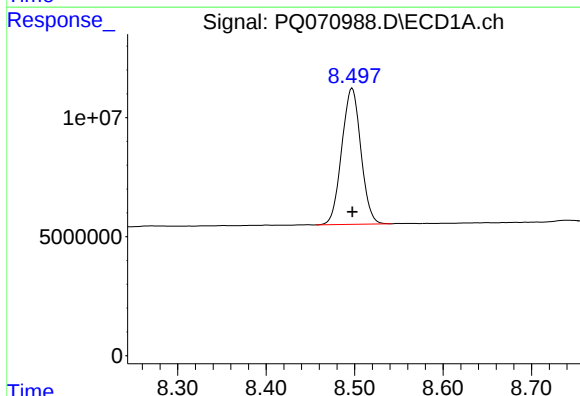
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



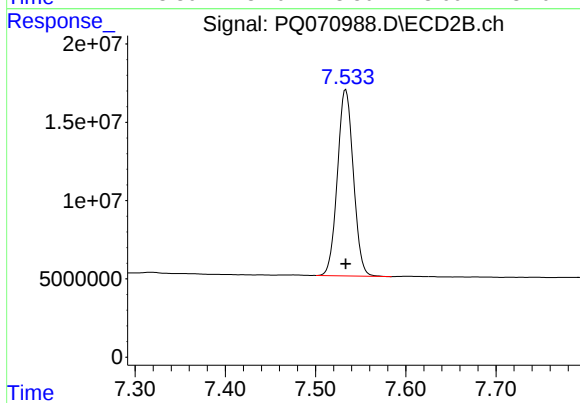
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 141612310
Conc: 25.22 ng/ml



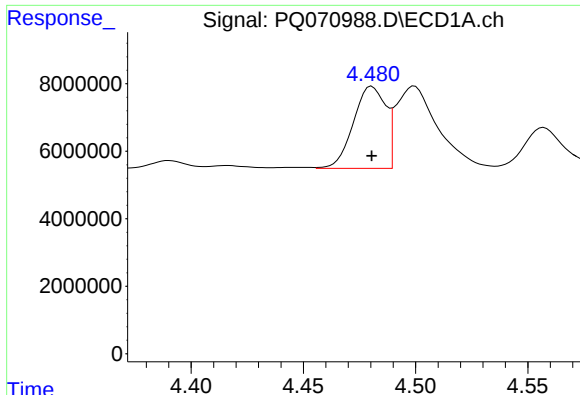
#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 85869763
Conc: 25.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 146109381
Conc: 26.10 ng/ml



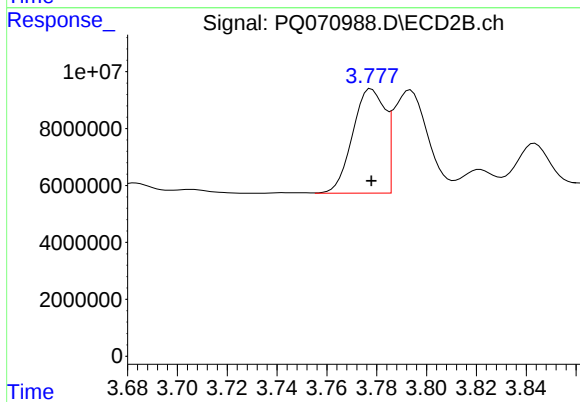
#21 AR-1248-1

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 24349976
Conc: 256.70 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

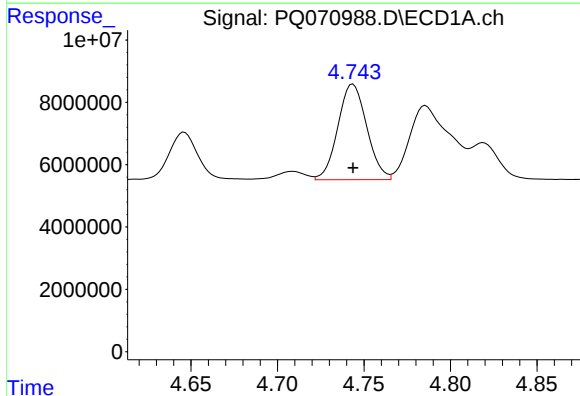
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



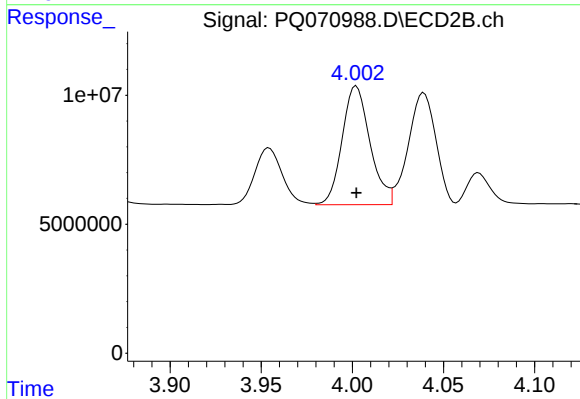
#21 AR-1248-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 33050222
Conc: 265.23 ng/ml



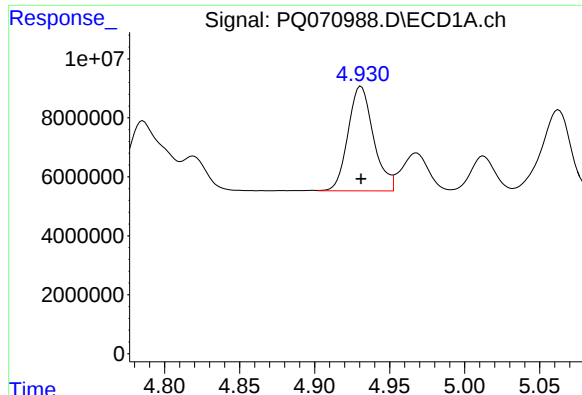
#22 AR-1248-2

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 35564341
Conc: 263.55 ng/ml



#22 AR-1248-2

R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 49025433
Conc: 266.41 ng/ml



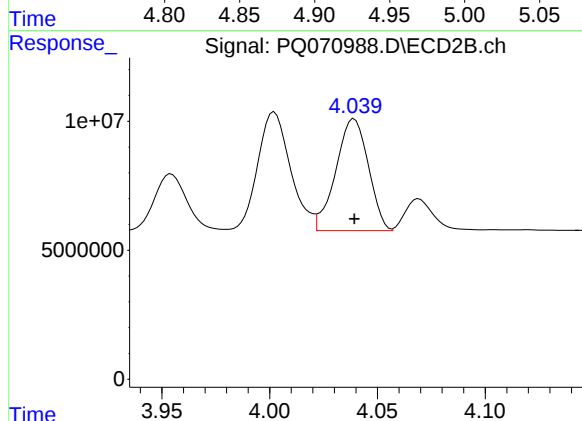
#23 AR-1248-3

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 41870274
Conc: 260.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

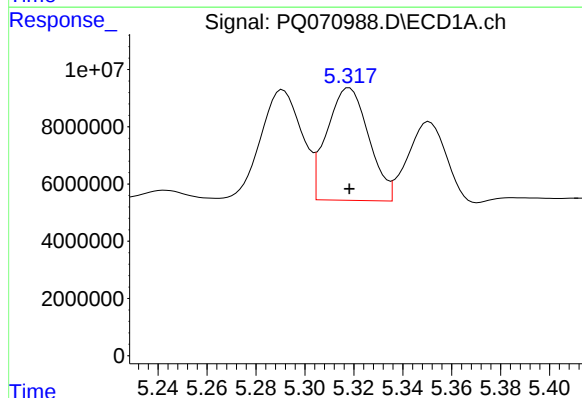
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



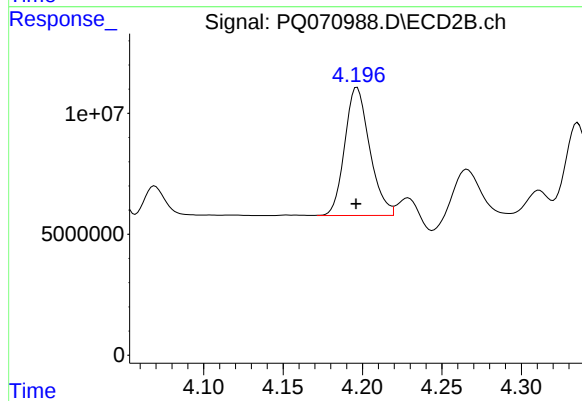
#23 AR-1248-3

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 45515698
Conc: 259.79 ng/ml



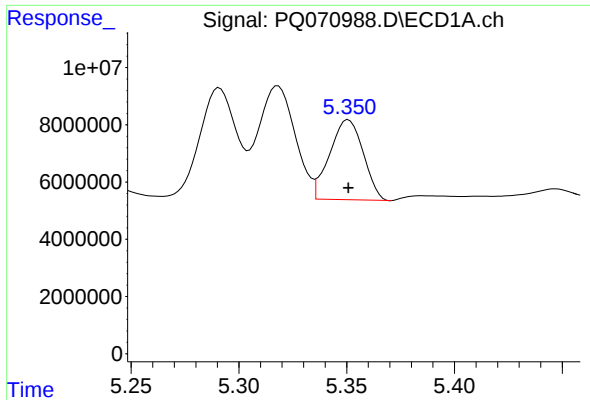
#24 AR-1248-4

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 46678299
Conc: 263.07 ng/ml



#24 AR-1248-4

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 58029144
Conc: 262.40 ng/ml m



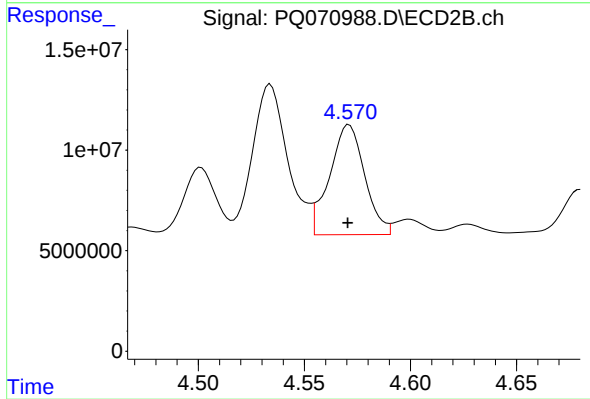
#25 AR-1248-5

R.T.: 5.351 min
Delta R.T.: 0.000 min
Response: 30347346
Conc: 207.36 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



#25 AR-1248-5

R.T.: 4.570 min
Delta R.T.: 0.000 min
Response: 62706574
Conc: 273.97 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:50
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 14:30:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	22591108	27044968	4.892	4.853
2) SA Decachlor...	8.497	7.534	16769582	30654485	5.046	5.373
Target Compounds						
21) L5 AR-1248-1	4.481	3.778	3394569	6701586	37.943	52.980 #
22) L5 AR-1248-2	4.743	4.002	7123103	10336252	52.204	54.816
23) L5 AR-1248-3	4.931	4.039	8138224	9873376	50.428	54.957
24) L5 AR-1248-4	5.318	4.197	7886075	11863237	45.455	52.883
25) L5 AR-1248-5	5.352	4.571	7959257	12107881	53.447	52.000

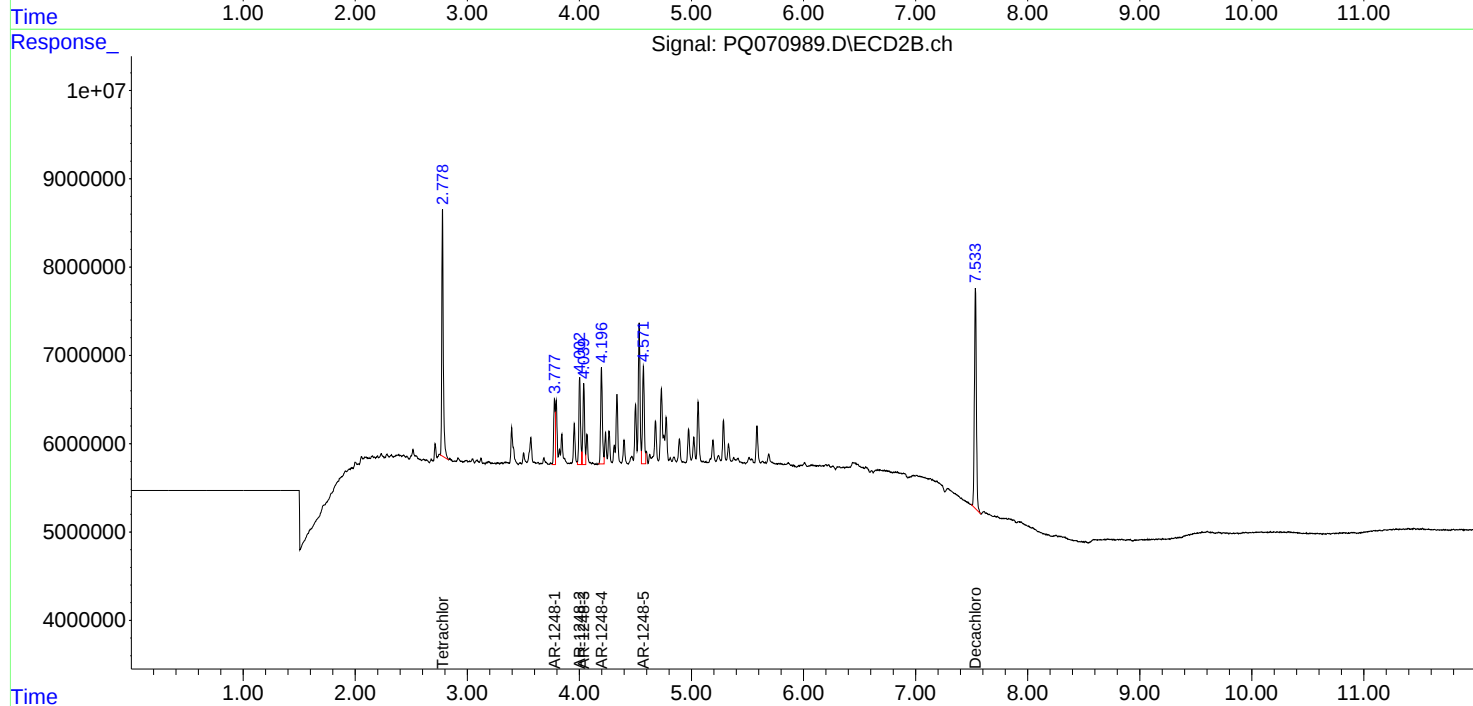
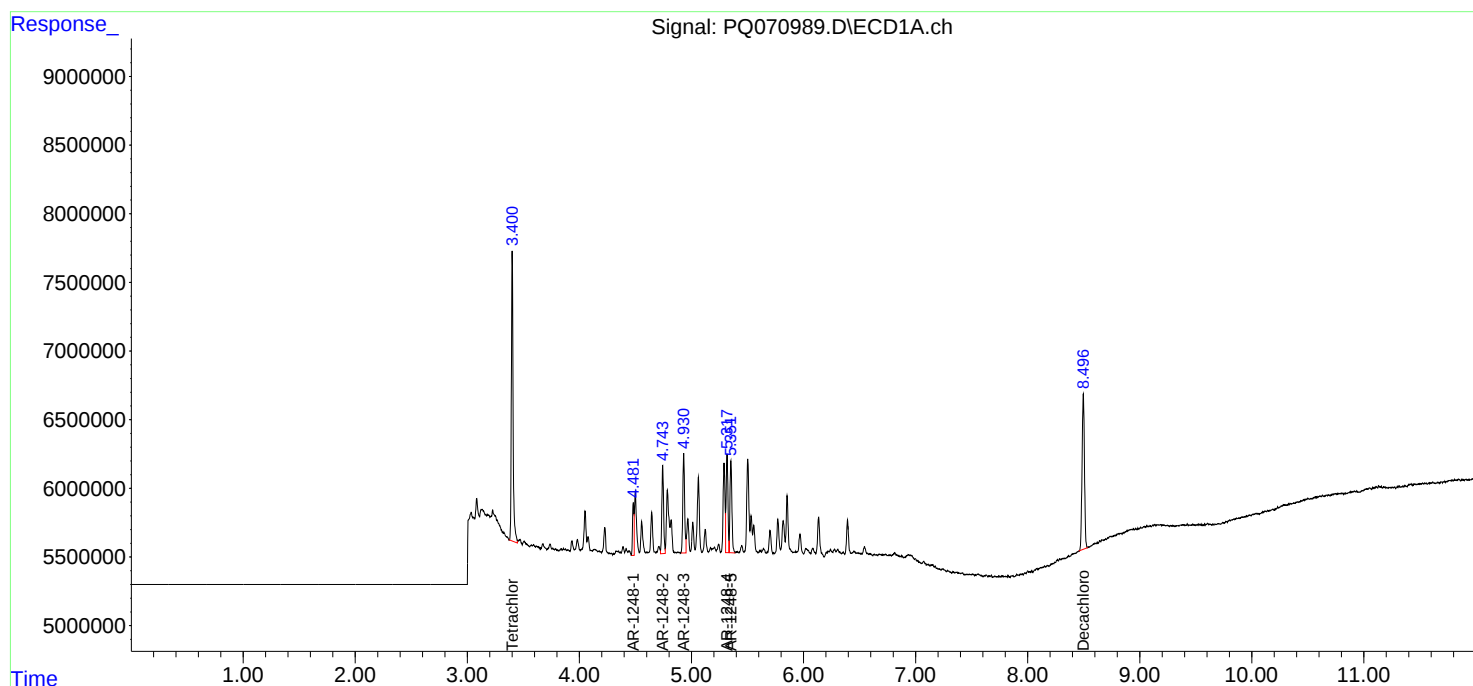
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

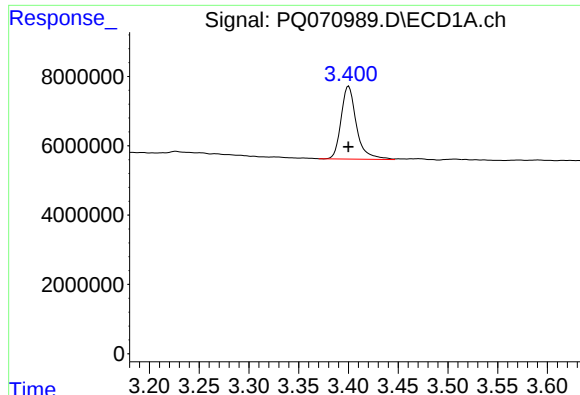
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:50
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 14:30:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

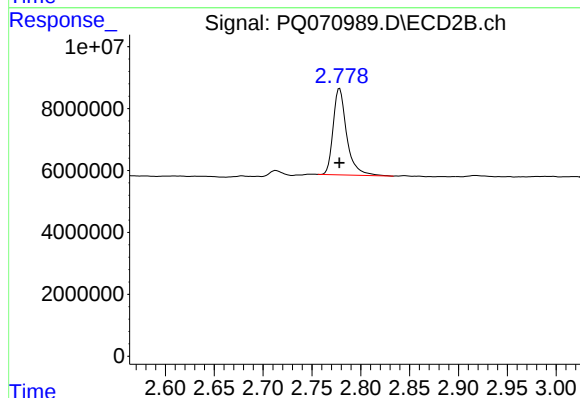




#1 Tetrachloro-m-xylene

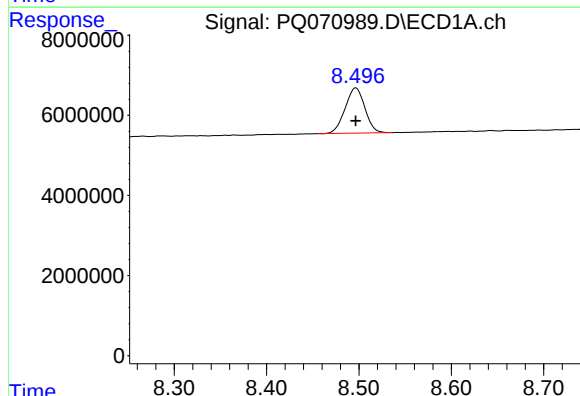
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 22591108
Conc: 4.89 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050



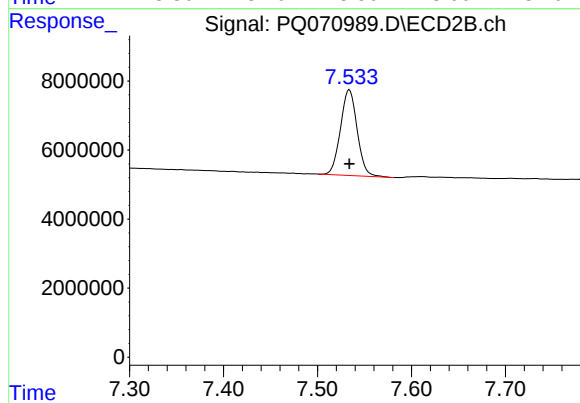
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 27044968
Conc: 4.85 ng/ml



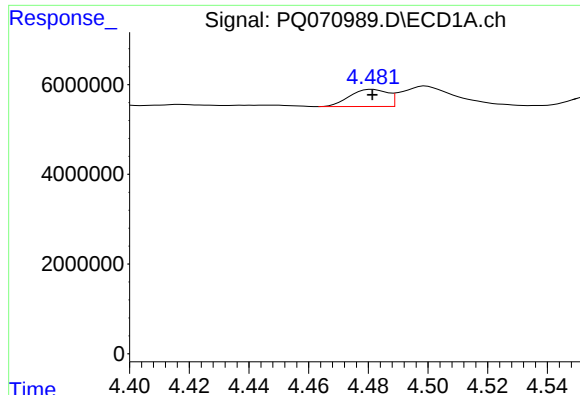
#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 16769582
Conc: 5.05 ng/ml



#2 Decachlorobiphenyl

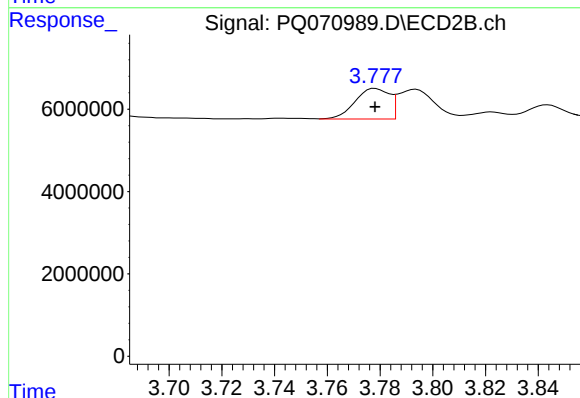
R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 30654485
Conc: 5.37 ng/ml



#21 AR-1248-1

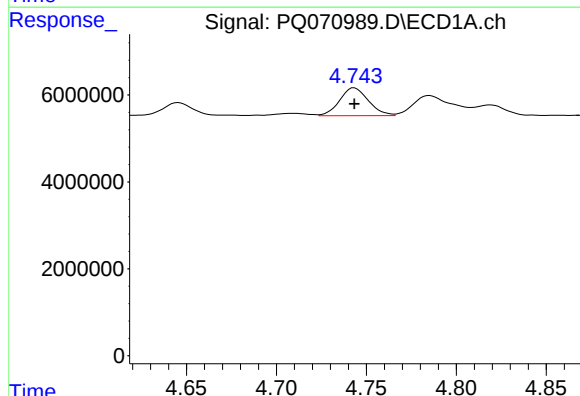
R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 3394569
Conc: 37.94 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050



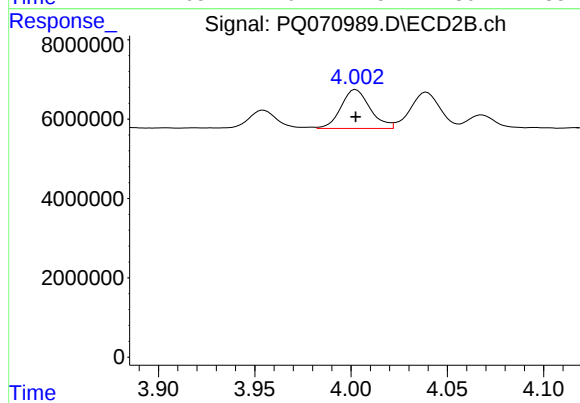
#21 AR-1248-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 6701586
Conc: 52.98 ng/ml



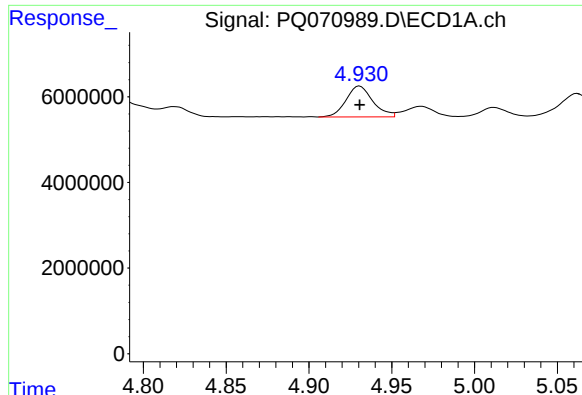
#22 AR-1248-2

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 7123103
Conc: 52.20 ng/ml



#22 AR-1248-2

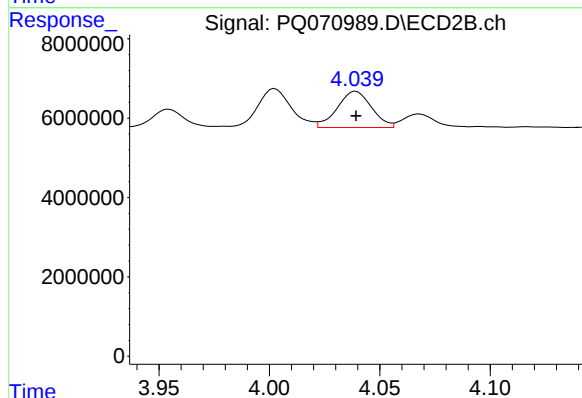
R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 10336252
Conc: 54.82 ng/ml



#23 AR-1248-3

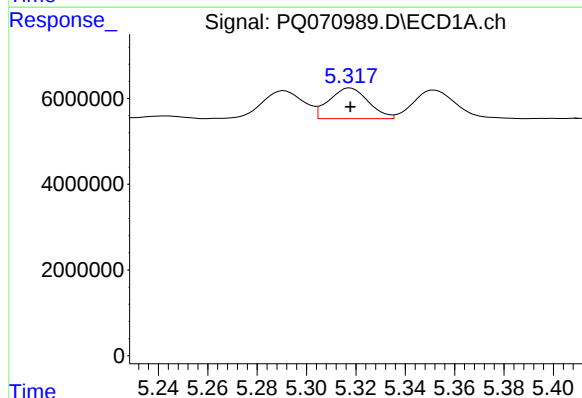
R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 8138224
Conc: 50.43 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050



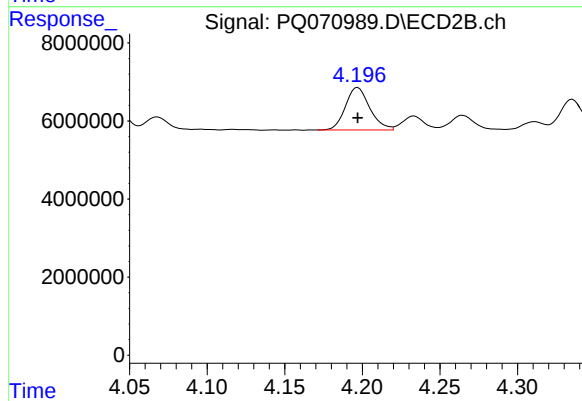
#23 AR-1248-3

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 9873376
Conc: 54.96 ng/ml



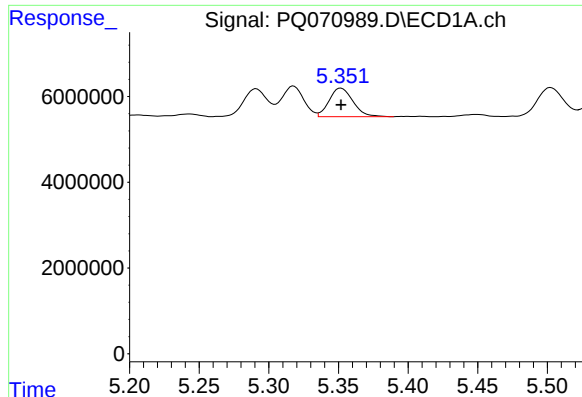
#24 AR-1248-4

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 7886075
Conc: 45.45 ng/ml



#24 AR-1248-4

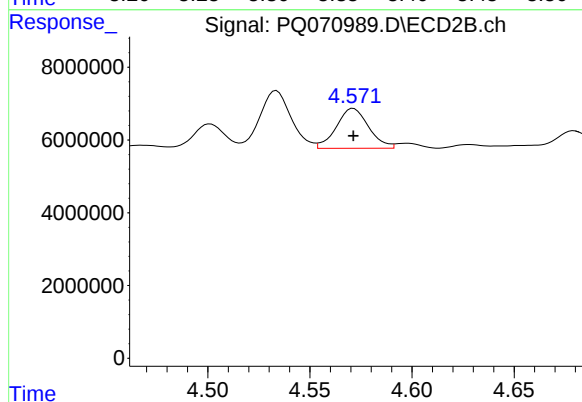
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 11863237
Conc: 52.88 ng/ml



#25 AR-1248-5

R.T.: 5.352 min
Delta R.T.: 0.000 min
Response: 7959257
Conc: 53.45 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 4.571 min
Delta R.T.: 0.000 min
Response: 12107881
Conc: 52.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:04
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:53:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 14:52:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	445.0E6	531.2E6	98.289	98.401
2) SA Decachlor...	8.496	7.533	313.6E6	536.1E6	97.450	96.785
Target Compounds						
26) L6 AR-1254-1	5.292	4.533	186.3E6	326.1E6	963.814	971.106
27) L6 AR-1254-2	5.507	4.680	272.5E6	283.8E6	950.975	964.208
28) L6 AR-1254-3	5.855	5.060	294.5E6	455.8E6	960.789	969.392
29) L6 AR-1254-4	6.135	5.286	212.6E6	291.4E6	961.211	971.453
30) L6 AR-1254-5	6.543	5.690	229.1E6	417.5E6	971.418	974.299

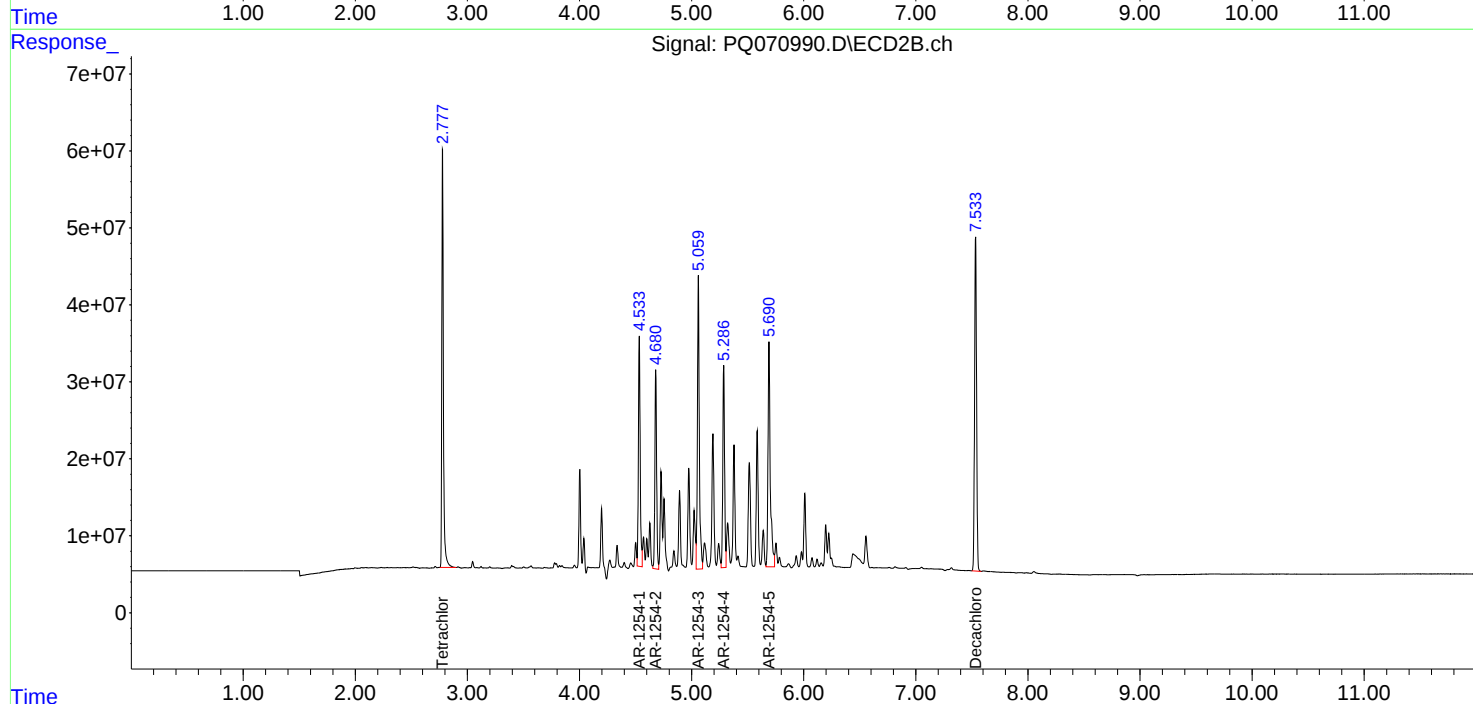
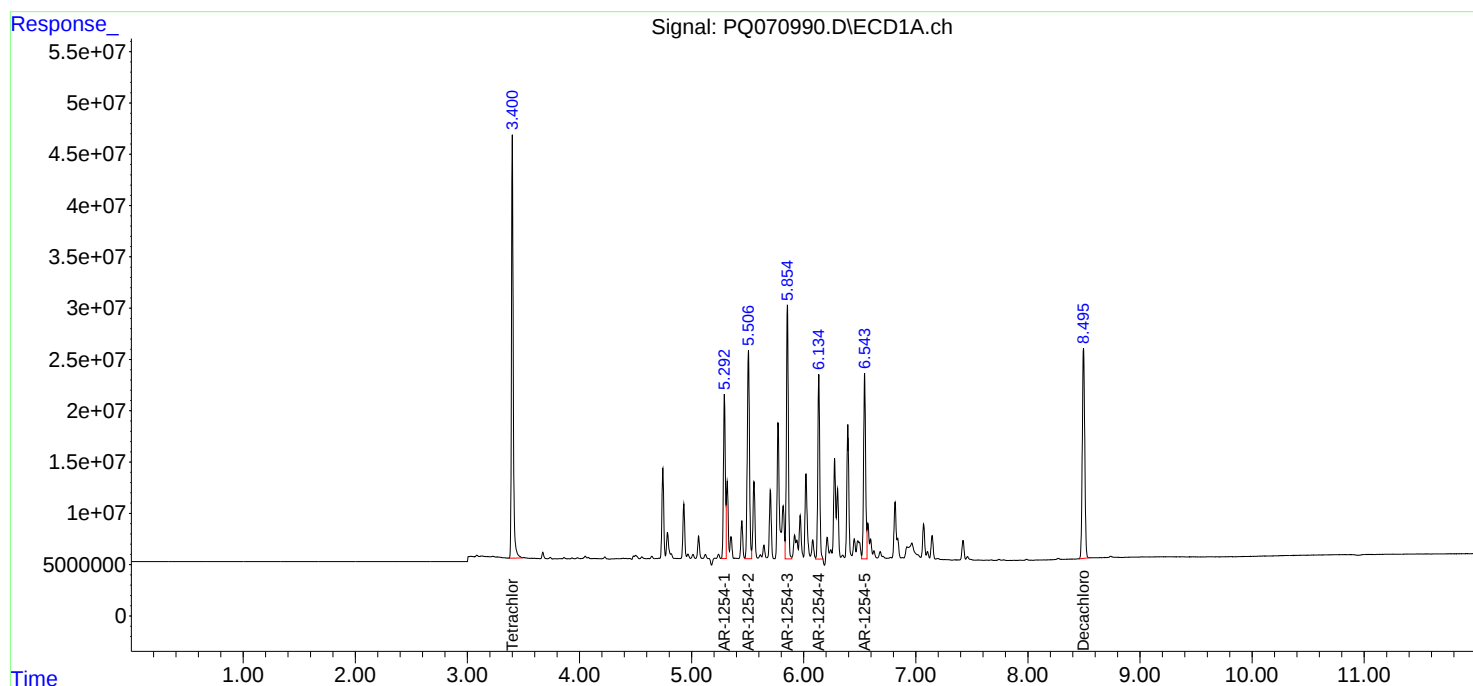
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

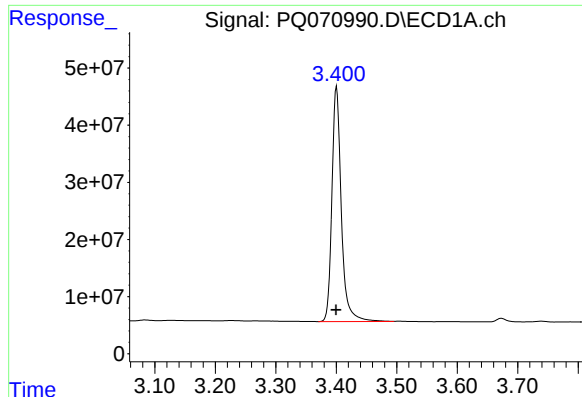
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:04
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:53:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 14:52:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

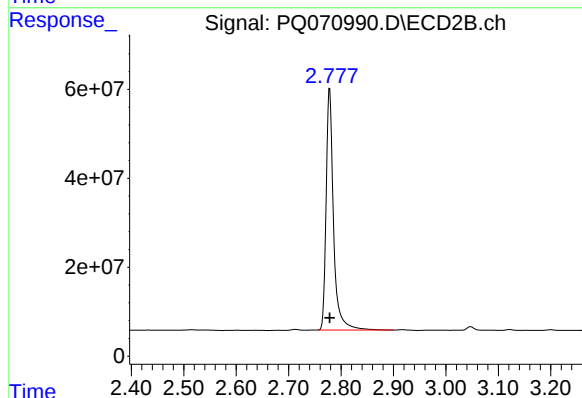




#1 Tetrachloro-m-xylene

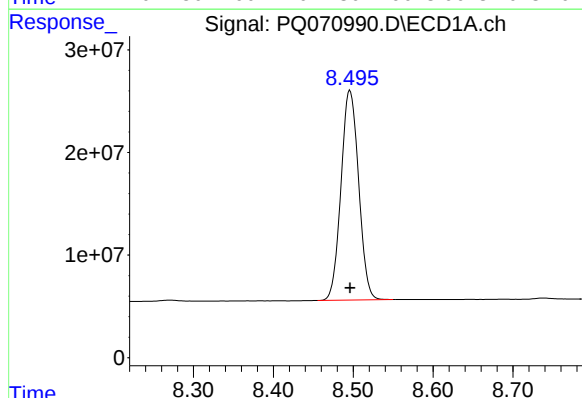
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 444955148
Conc: 98.29 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000



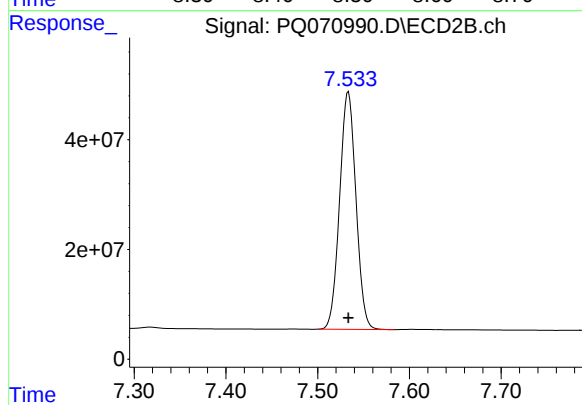
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 531185695
Conc: 98.40 ng/ml



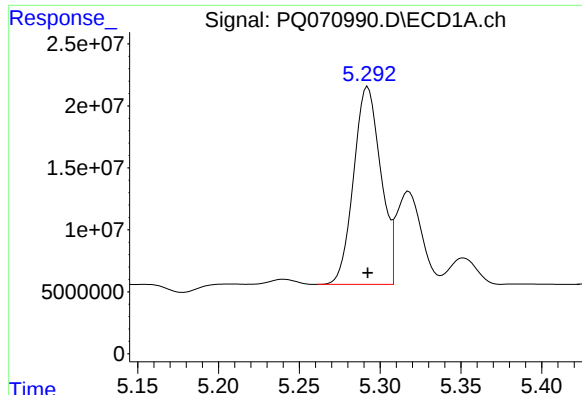
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 313599352
Conc: 97.45 ng/ml



#2 Decachlorobiphenyl

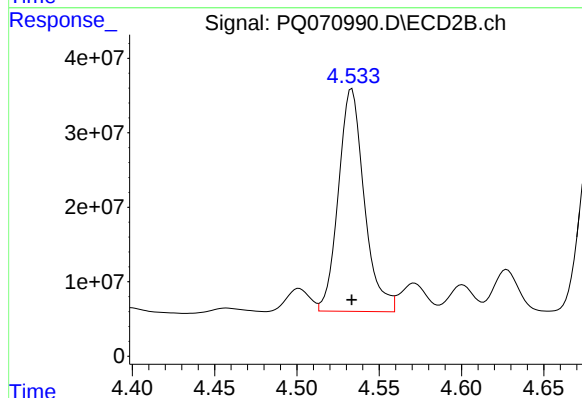
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 536076382
Conc: 96.79 ng/ml



#26 AR-1254-1

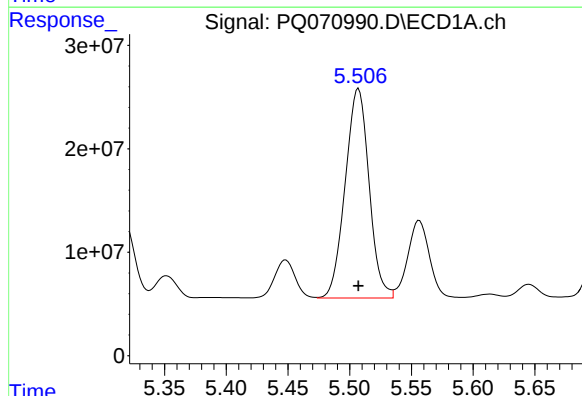
R.T.: 5.292 min
Delta R.T.: 0.000 min
Response: 186317660
Conc: 963.81 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000



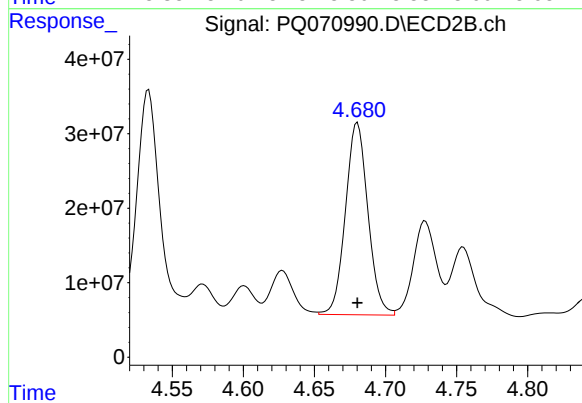
#26 AR-1254-1

R.T.: 4.533 min
Delta R.T.: 0.000 min
Response: 326099704
Conc: 971.11 ng/ml



#27 AR-1254-2

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 272465681
Conc: 950.97 ng/ml



#27 AR-1254-2

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 283781194
Conc: 964.21 ng/ml

Response_ Signal: PQ070990.D\ECD1A.ch

#28 AR-1254-3

R.T.: 5.855 min
Delta R.T.: 0.000 min
Response: 294493285
Conc: 960.79 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000

Time

Response_ Signal: PQ070990.D\ECD2B.ch

#28 AR-1254-3

R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 455841488
Conc: 969.39 ng/ml

Time

Response_ Signal: PQ070990.D\ECD1A.ch

#29 AR-1254-4

R.T.: 6.135 min
Delta R.T.: 0.000 min
Response: 212636724
Conc: 961.21 ng/ml

Time

Response_ Signal: PQ070990.D\ECD2B.ch

#29 AR-1254-4

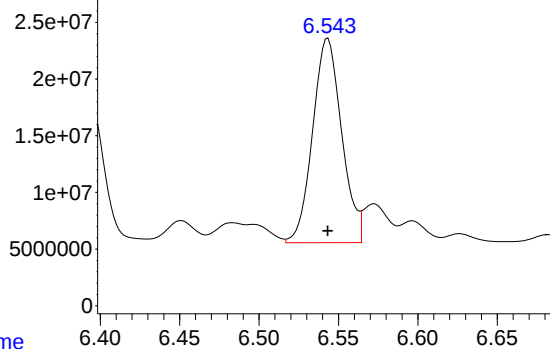
R.T.: 5.286 min
Delta R.T.: 0.000 min
Response: 291449906
Conc: 971.45 ng/ml

Time

Response_

Signal: PQ070990.D\ECD1A.ch

#30 AR-1254-5



R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 229095618
Conc: 971.42 ng/ml

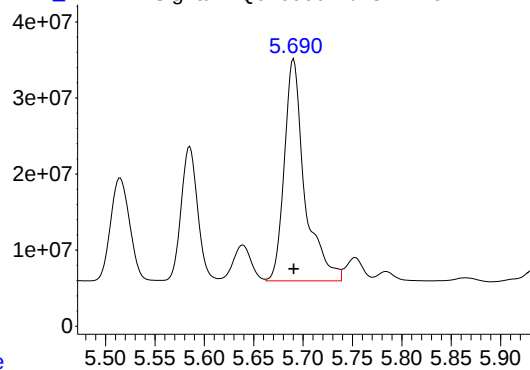
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000

Time

Response_

Signal: PQ070990.D\ECD2B.ch

#30 AR-1254-5



R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 417470468
Conc: 974.30 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:19
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:59:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 14:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.401	2.778	343.8E6	408.9E6	75.627	75.492
2) SA Decachlor...	8.496	7.534	242.8E6	418.3E6	75.295	75.344
Target Compounds						
26) L6 AR-1254-1	5.293	4.533	148.7E6	256.0E6	762.565	758.137
27) L6 AR-1254-2	5.507	4.680	225.9E6	226.8E6	775.187	763.504
28) L6 AR-1254-3	5.854	5.060	240.1E6	358.2E6	771.902	757.733
29) L6 AR-1254-4	6.134	5.286	174.5E6	227.3E6	775.397	755.024
30) L6 AR-1254-5	6.544	5.690	180.8E6	320.3E6	761.088	748.361

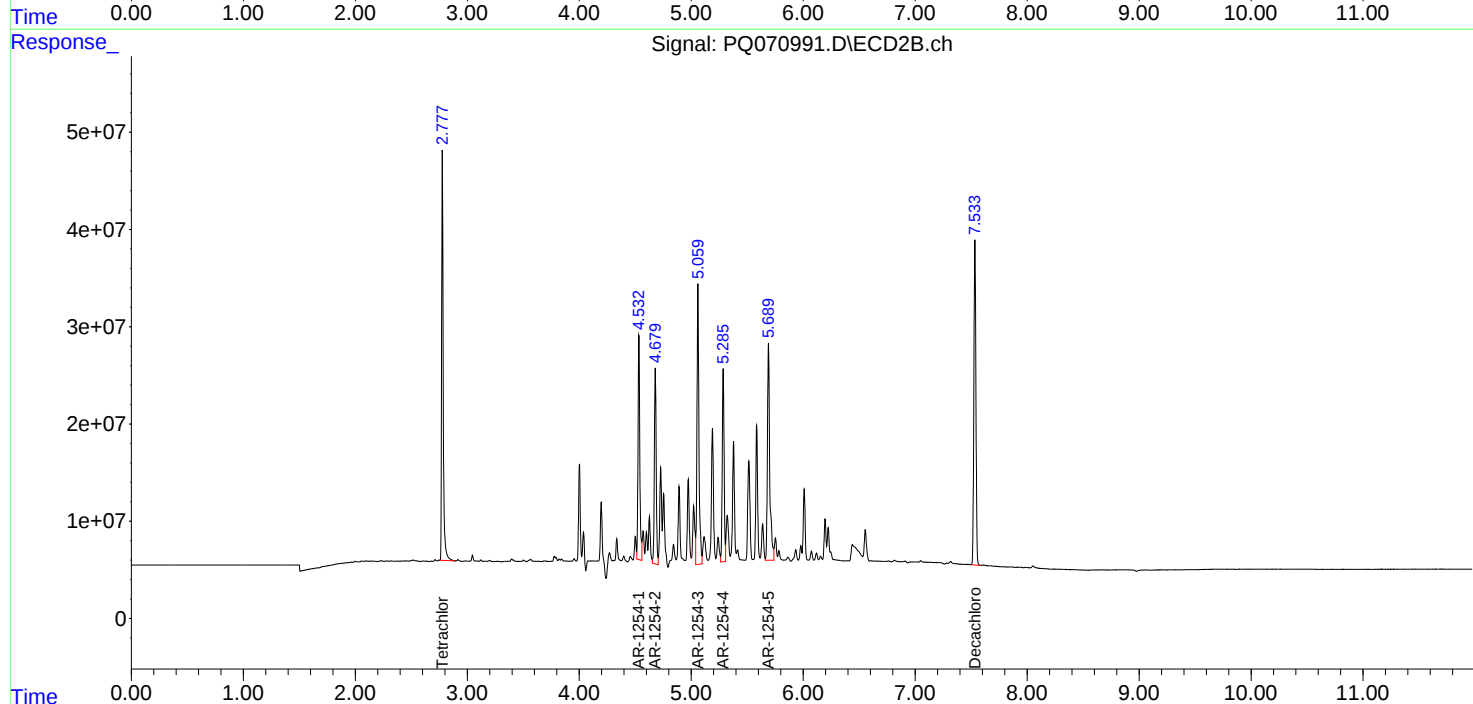
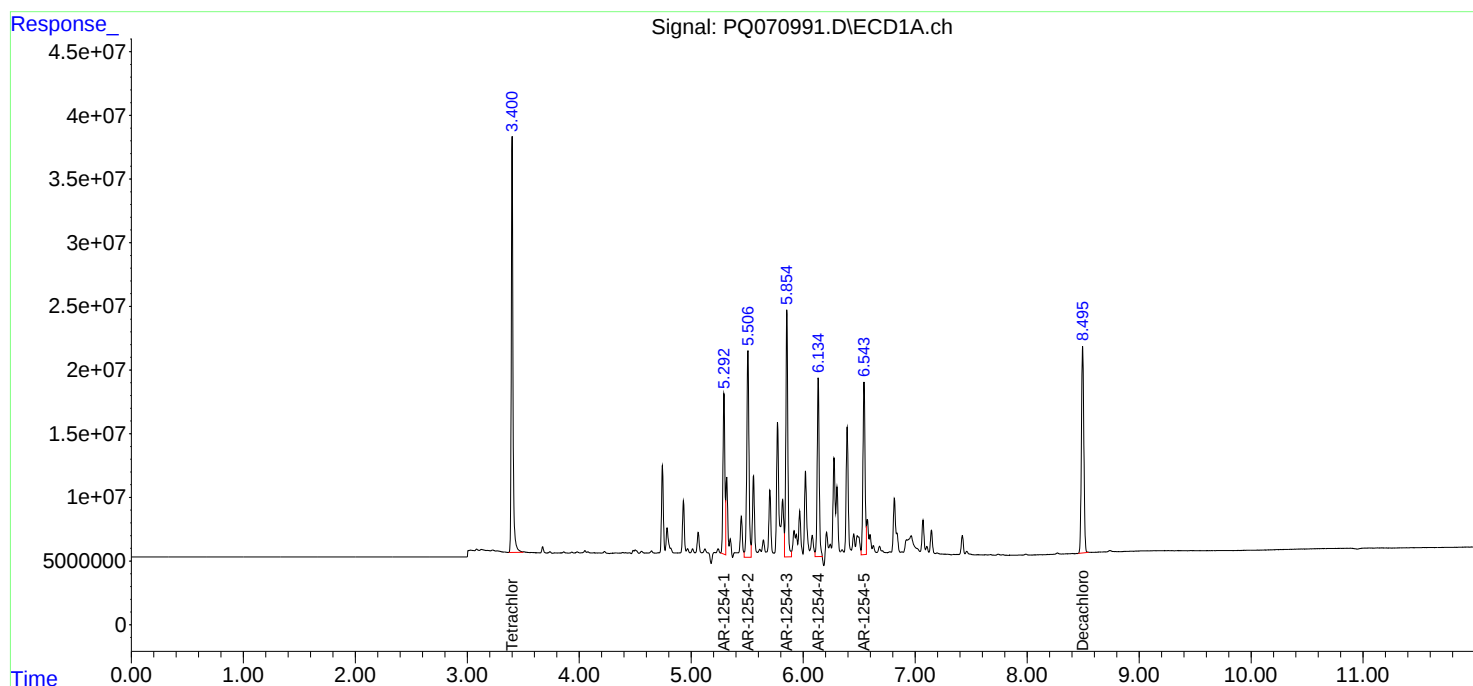
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:19
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:59:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 14:59:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

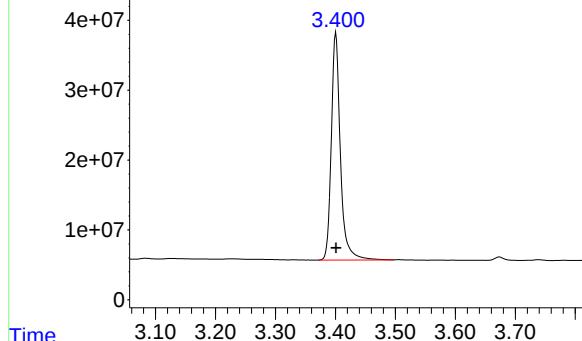


Response_ Signal: PQ070991.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 343803158
Conc: 75.63 ng/ml

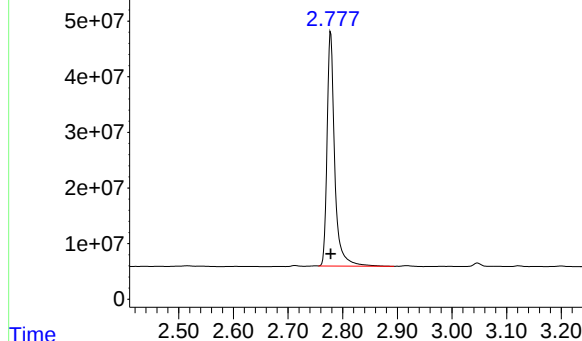
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750



Time Response_ Signal: PQ070991.D\ECD2B.ch

#1 Tetrachloro-m-xylene

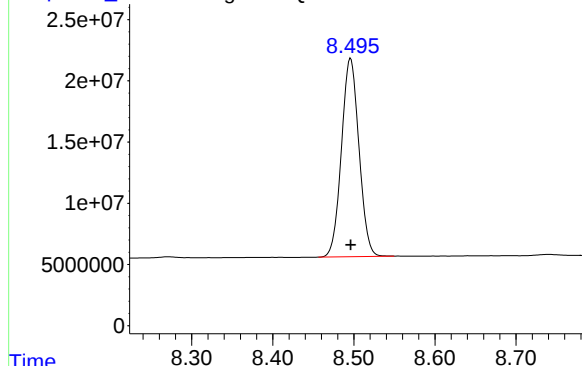
R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 408857170
Conc: 75.49 ng/ml



Time Response_ Signal: PQ070991.D\ECD1A.ch

#2 Decachlorobiphenyl

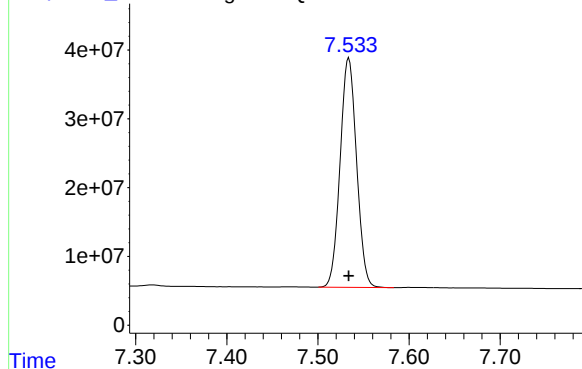
R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 242779345
Conc: 75.29 ng/ml



Time Response_ Signal: PQ070991.D\ECD2B.ch

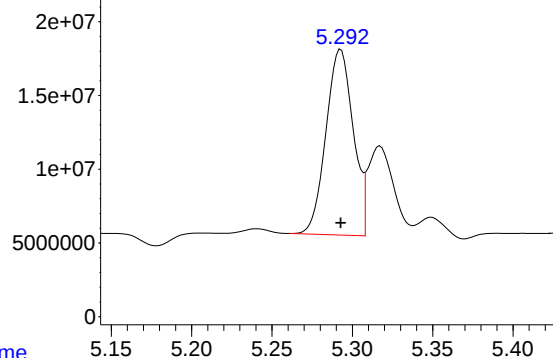
#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 418279983
Conc: 75.34 ng/ml



Response_ Signal: PQ070991.D\ECD1A.ch

#26 AR-1254-1

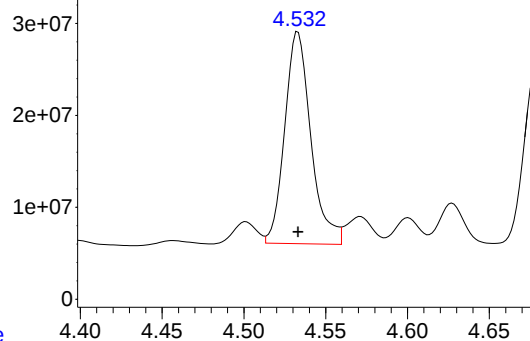


R.T.: 5.293 min
Delta R.T.: 0.000 min
Response: 148659073
Conc: 762.57 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Time Response_ Signal: PQ070991.D\ECD2B.ch

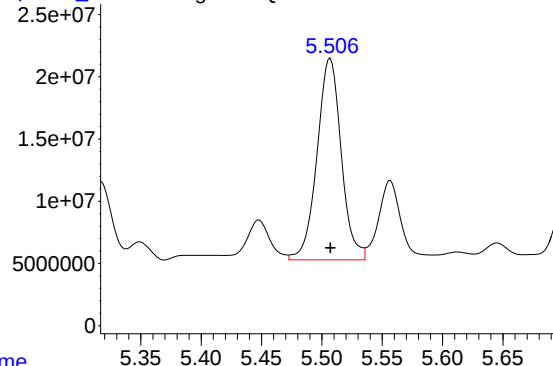
#26 AR-1254-1



R.T.: 4.533 min
Delta R.T.: 0.000 min
Response: 255973065
Conc: 758.14 ng/ml

Time Response_ Signal: PQ070991.D\ECD1A.ch

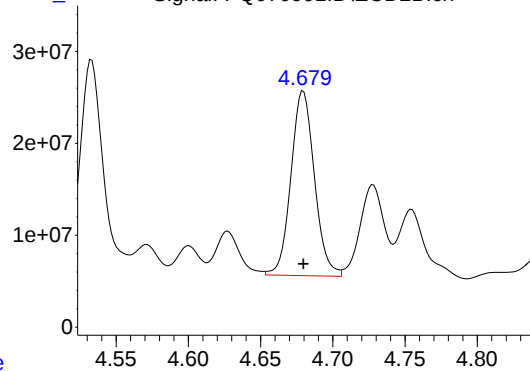
#27 AR-1254-2



R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 225893559
Conc: 775.19 ng/ml

Time Response_ Signal: PQ070991.D\ECD2B.ch

#27 AR-1254-2

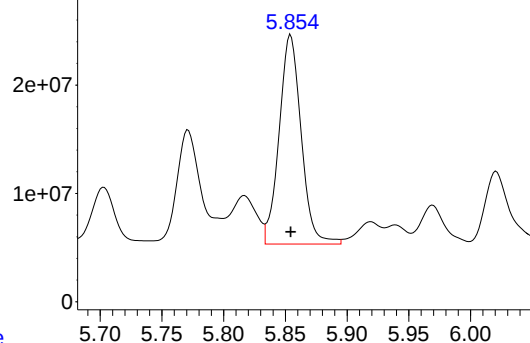


R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 226752135
Conc: 763.50 ng/ml

Response_

Signal: PQ070991.D\ECD1A.ch

#28 AR-1254-3



R.T.: 5.854 min
Delta R.T.: 0.000 min
Response: 240102864
Conc: 771.90 ng/ml

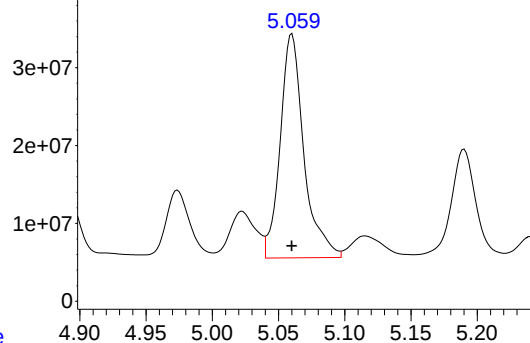
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PQ070991.D\ECD2B.ch

#28 AR-1254-3



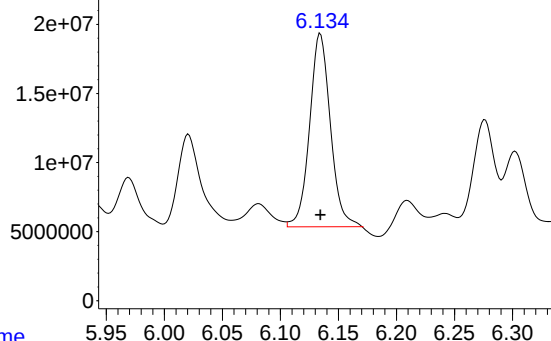
R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 358158828
Conc: 757.73 ng/ml

Time

Response_

Signal: PQ070991.D\ECD1A.ch

#29 AR-1254-4



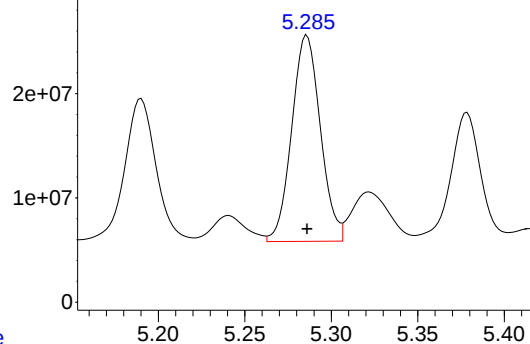
R.T.: 6.134 min
Delta R.T.: 0.000 min
Response: 174485728
Conc: 775.40 ng/ml

Time

Response_

Signal: PQ070991.D\ECD2B.ch

#29 AR-1254-4



R.T.: 5.286 min
Delta R.T.: 0.000 min
Response: 227279383
Conc: 755.02 ng/ml

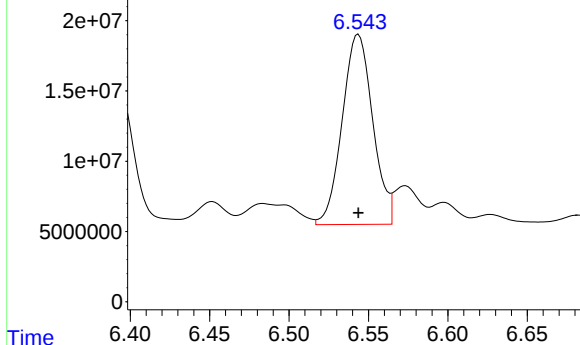
Time

Response_

Signal: PQ070991.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 180828718
Conc: 761.09 ng/ml

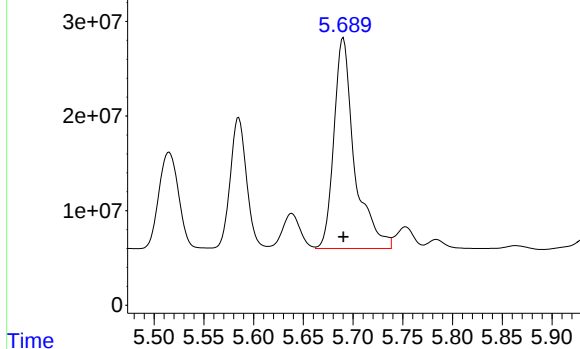
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PQ070991.D\ECD2B.ch

#30 AR-1254-5



R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 320309594
Conc: 748.36 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:33
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:49:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 14:49:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	230.2E6	274.2E6	50.000	50.000
2) SA Decachlor...	8.497	7.534	165.0E6	285.8E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.293	4.532	100.2E6	172.8E6	500.000	500.000
27) L6 AR-1254-2	5.507	4.680	150.3E6	152.4E6	500.000	500.000
28) L6 AR-1254-3	5.855	5.060	159.3E6	242.3E6	500.000	500.000
29) L6 AR-1254-4	6.136	5.286	114.9E6	154.3E6	500.000	500.000
30) L6 AR-1254-5	6.543	5.689	121.3E6	219.7E6	500.000	500.000

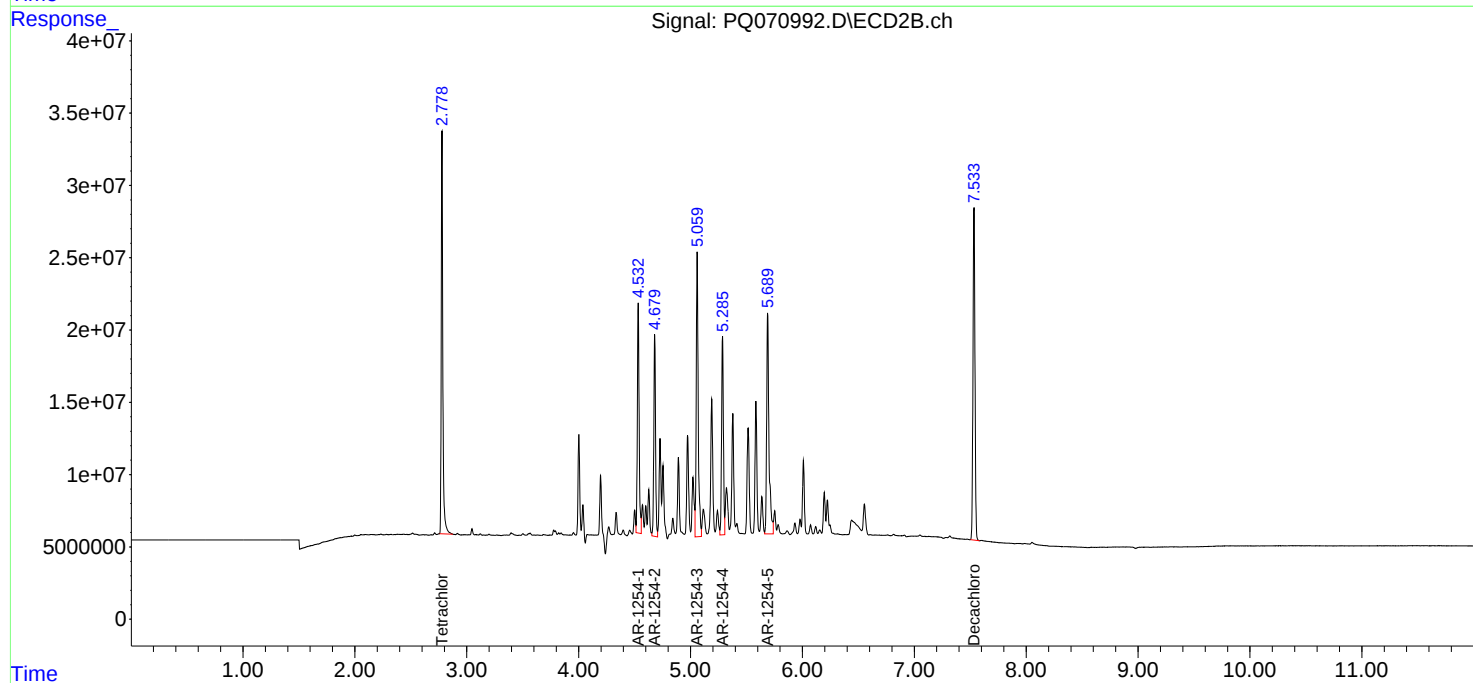
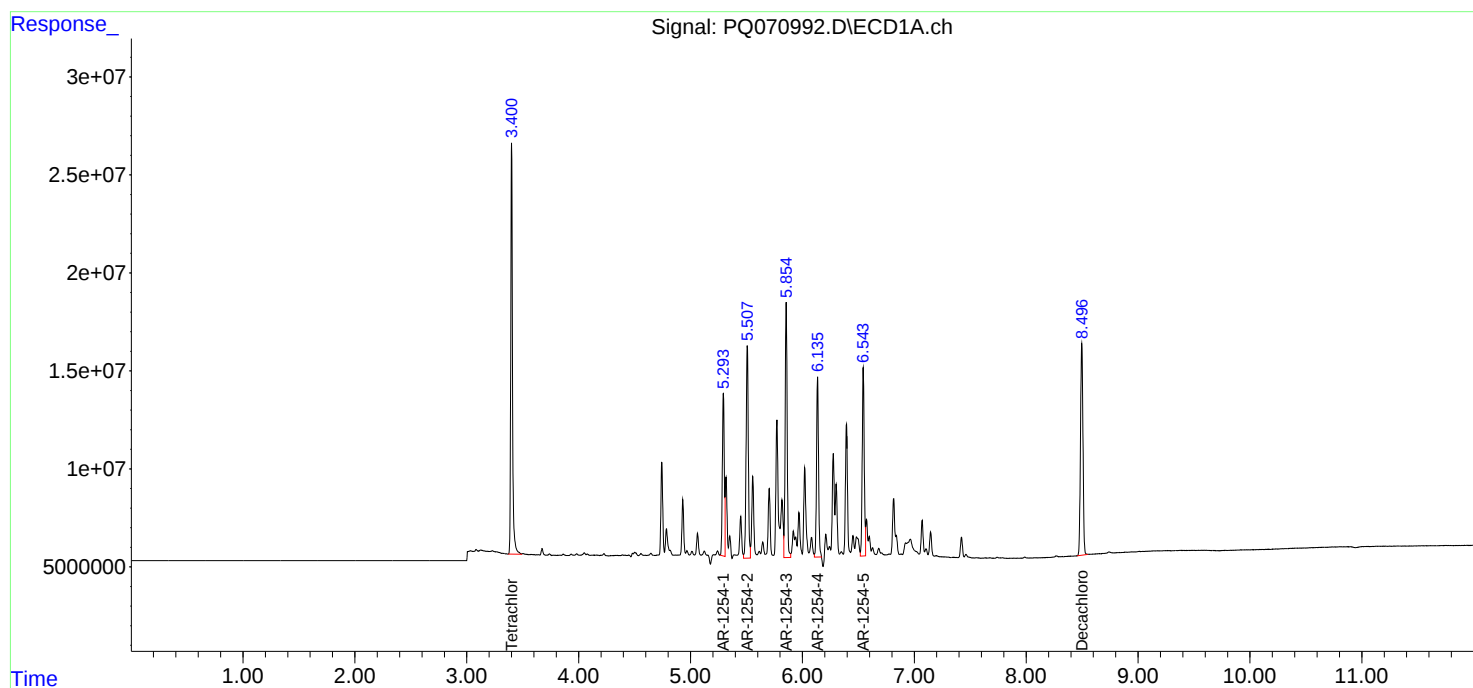
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:33
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:49:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 14:49:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

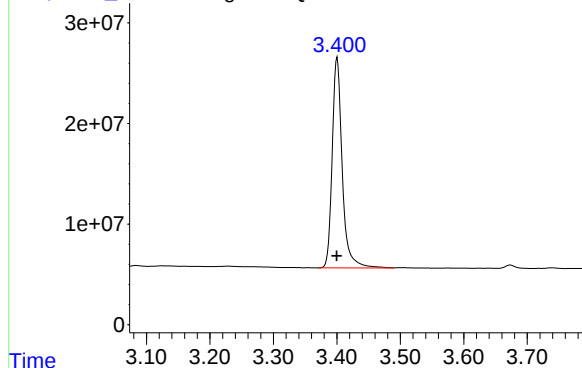


Response_ Signal: PQ070992.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 230224891
Conc: 50.00 ng/ml

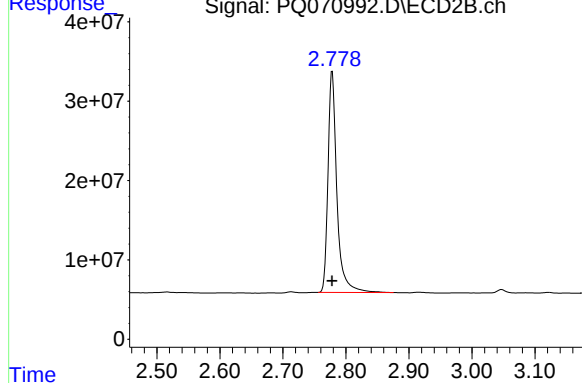
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500



Time Response_ Signal: PQ070992.D\ECD2B.ch

#1 Tetrachloro-m-xylene

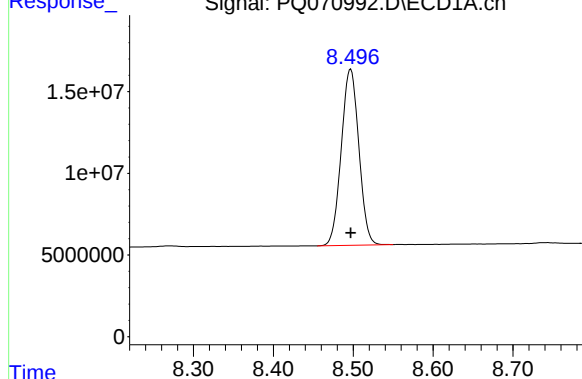
R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 274224468
Conc: 50.00 ng/ml



Time Response_ Signal: PQ070992.D\ECD1A.ch

#2 Decachlorobiphenyl

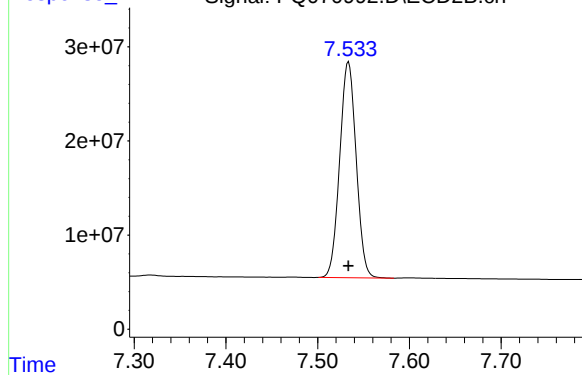
R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 165005727
Conc: 50.00 ng/ml



Time Response_ Signal: PQ070992.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 285844731
Conc: 50.00 ng/ml

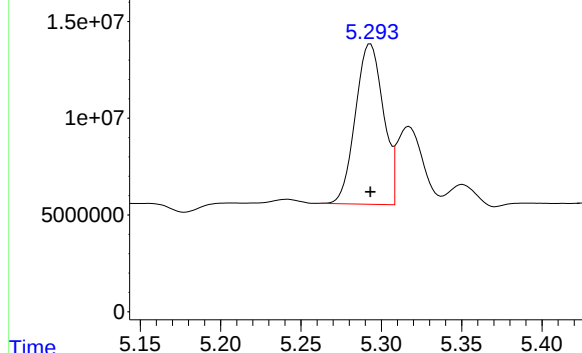


Response_ Signal: PQ070992.D\ECD1A.ch

#26 AR-1254-1

R.T.: 5.293 min
Delta R.T.: 0.000 min
Response: 100154125
Conc: 500.00 ng/ml

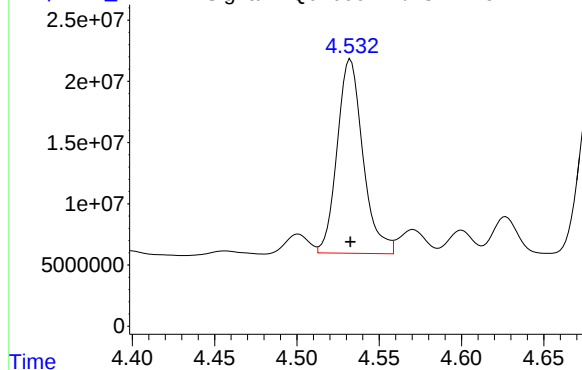
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500



Response_ Signal: PQ070992.D\ECD2B.ch

#26 AR-1254-1

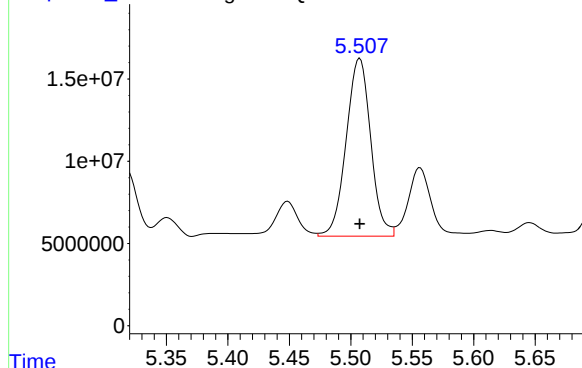
R.T.: 4.532 min
Delta R.T.: 0.000 min
Response: 172752640
Conc: 500.00 ng/ml



Response_ Signal: PQ070992.D\ECD1A.ch

#27 AR-1254-2

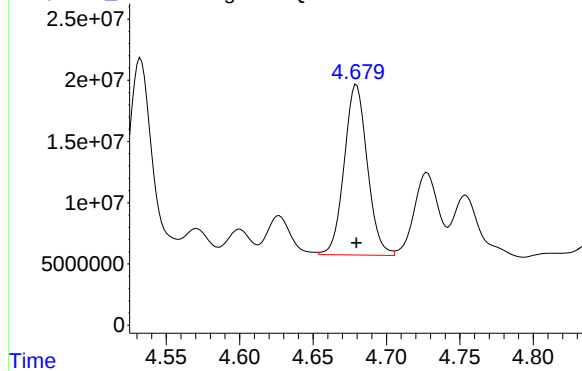
R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 150279116
Conc: 500.00 ng/ml

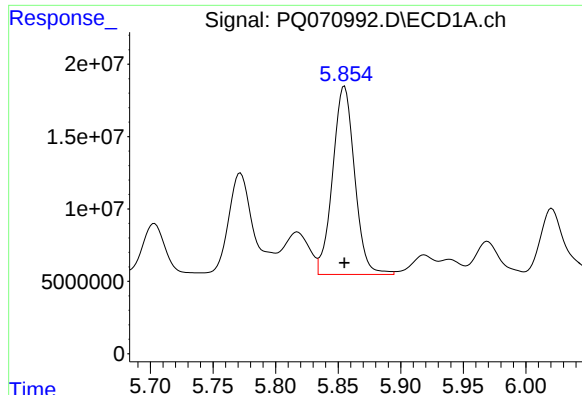


Response_ Signal: PQ070992.D\ECD2B.ch

#27 AR-1254-2

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 152424780
Conc: 500.00 ng/ml

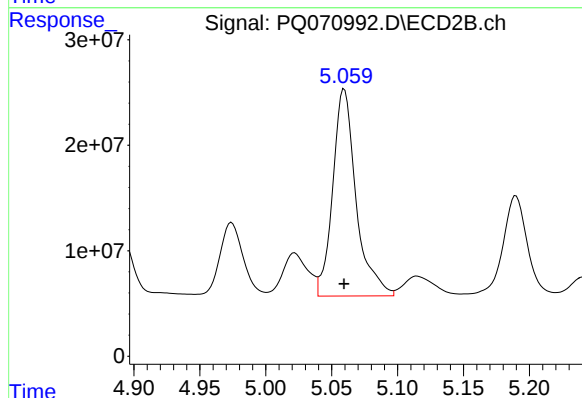




#28 AR-1254-3

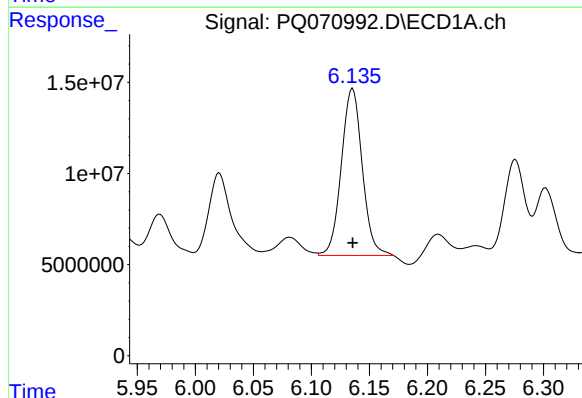
R.T.: 5.855 min
Delta R.T.: 0.000 min
Response: 159265361
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500



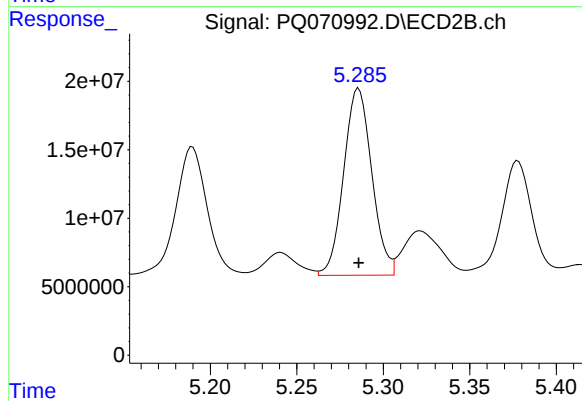
#28 AR-1254-3

R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 242313593
Conc: 500.00 ng/ml



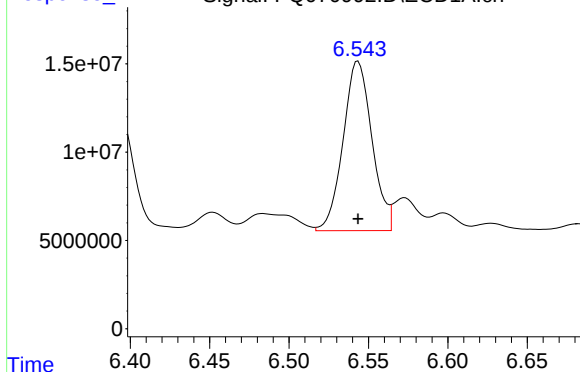
#29 AR-1254-4

R.T.: 6.136 min
Delta R.T.: 0.000 min
Response: 114899065
Conc: 500.00 ng/ml



#29 AR-1254-4

R.T.: 5.286 min
Delta R.T.: 0.000 min
Response: 154289356
Conc: 500.00 ng/ml



R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 121288407
Conc: 500.00 ng/ml

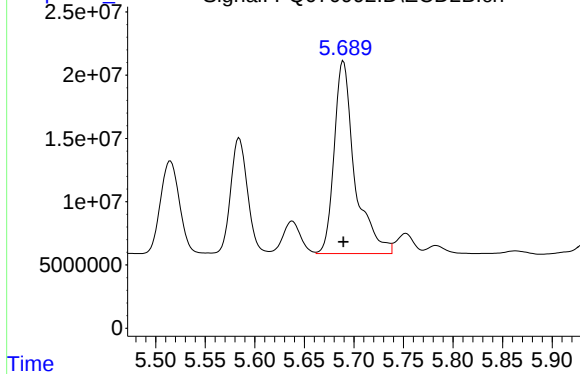
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500

Time

Response

Signal: PQ070992.D\ECD2B.ch

#30 AR-1254-5



R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 219747553
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
 Data File : PQ070993.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 13:48
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 15:02:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Oct 10 15:02:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.401	2.778	115.6E6	138.1E6	25.327	25.369
2) SA Decachlor...	8.497	7.534	85811055	149.3E6	26.191	26.396
Target Compounds						
26) L6 AR-1254-1	5.293	4.533	55605487	94496803	275.527	271.759
27) L6 AR-1254-2	5.507	4.679	79670910	81557409	267.151	268.017
28) L6 AR-1254-3	5.855	5.060	83776868	125.4E6	264.224	261.310
29) L6 AR-1254-4	6.135	5.286	59407243	79268444	260.355	259.866
30) L6 AR-1254-5	6.544	5.690	62353894	113.1E6	259.216	260.512

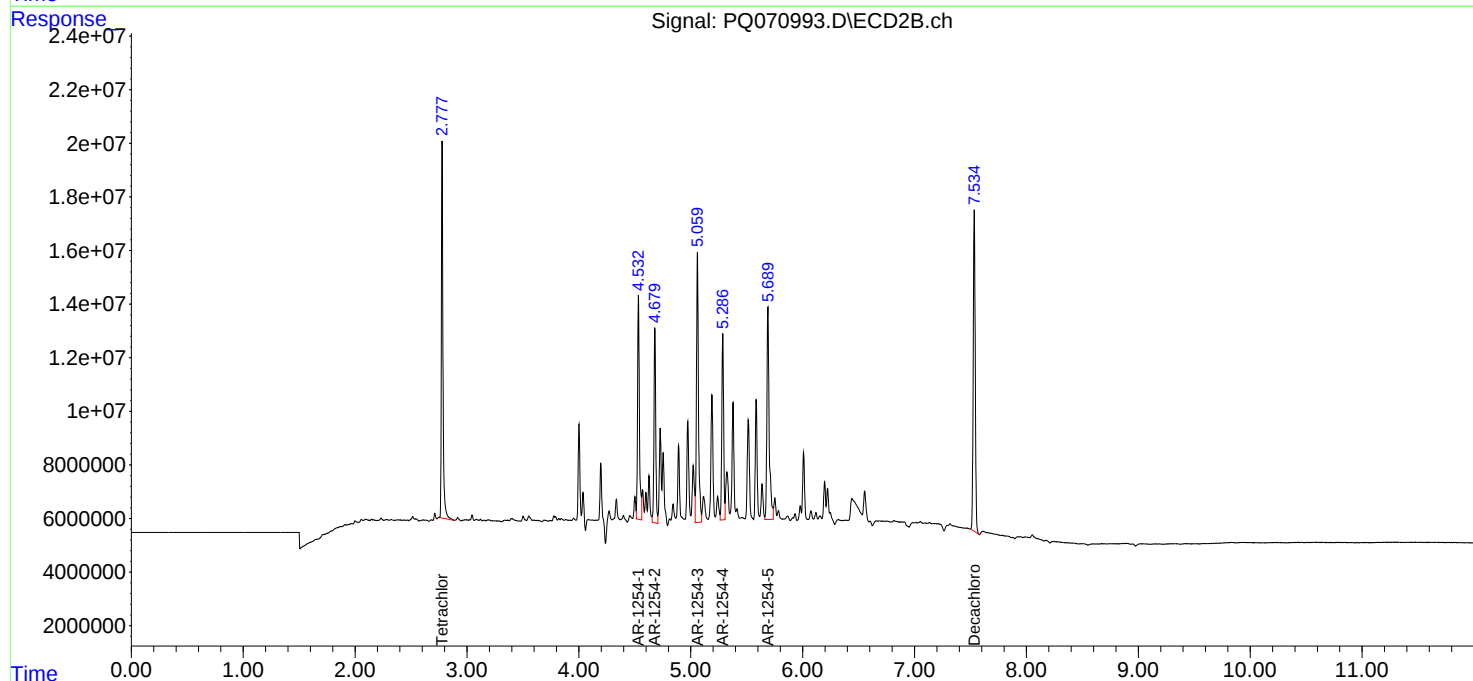
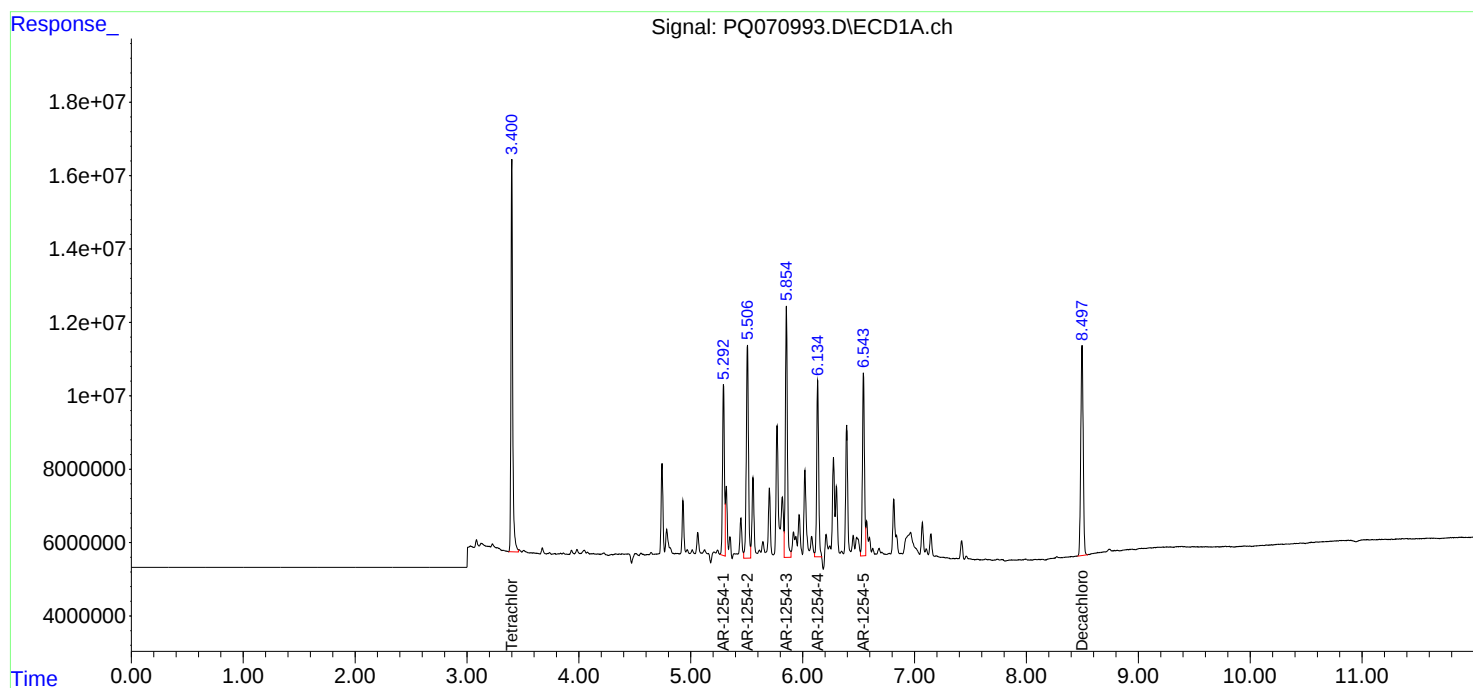
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

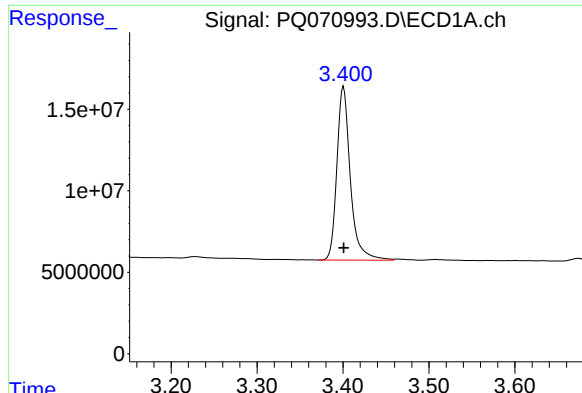
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:48
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 15:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 15:02:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

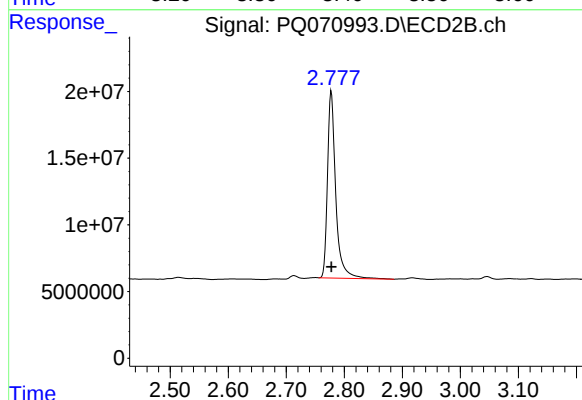




#1 Tetrachloro-m-xylene

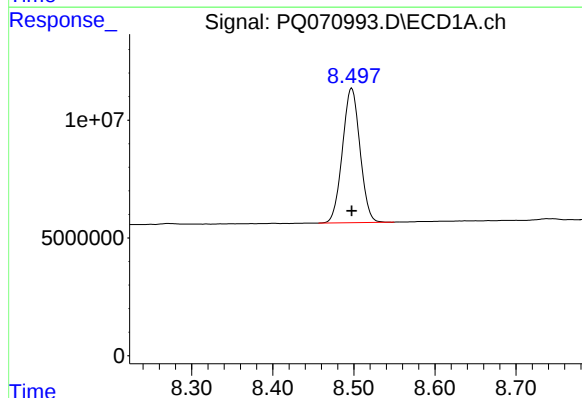
R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 115639387
Conc: 25.33 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250



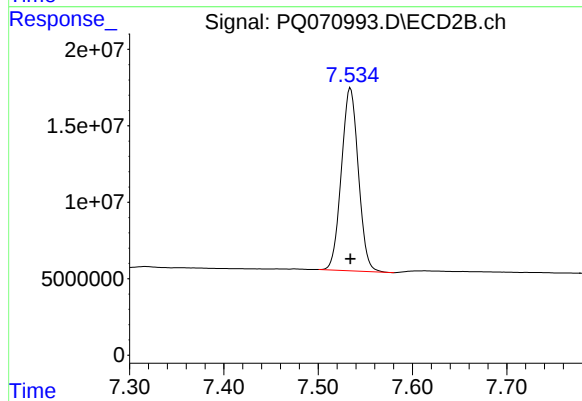
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 138074617
Conc: 25.37 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 85811055
Conc: 26.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 149322341
Conc: 26.40 ng/ml

Response_ Signal: PQ070993.D\ECD1A.ch

#26 AR-1254-1

R.T.: 5.293 min
Delta R.T.: 0.000 min
Response: 55605487
Conc: 275.53 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250

Time

Response_ Signal: PQ070993.D\ECD2B.ch

#26 AR-1254-1

R.T.: 4.533 min
Delta R.T.: 0.000 min
Response: 94496803
Conc: 271.76 ng/ml

Time

Response_ Signal: PQ070993.D\ECD1A.ch

#27 AR-1254-2

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 79670910
Conc: 267.15 ng/ml

Time

Response_ Signal: PQ070993.D\ECD2B.ch

#27 AR-1254-2

R.T.: 4.679 min
Delta R.T.: 0.000 min
Response: 81557409
Conc: 268.02 ng/ml

Time

Response_

Signal: PQ070993.D\ECD1A.ch

#28 AR-1254-3

R.T.: 5.855 min
Delta R.T.: 0.000 min
Response: 83776868
Conc: 264.22 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250

Time

Response_

Signal: PQ070993.D\ECD2B.ch

#28 AR-1254-3

R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 125404807
Conc: 261.31 ng/ml

Time

Response_

Signal: PQ070993.D\ECD1A.ch

#29 AR-1254-4

R.T.: 6.135 min
Delta R.T.: 0.000 min
Response: 59407243
Conc: 260.35 ng/ml

Time

Response_

Signal: PQ070993.D\ECD2B.ch

#29 AR-1254-4

R.T.: 5.286 min
Delta R.T.: 0.000 min
Response: 79268444
Conc: 259.87 ng/ml

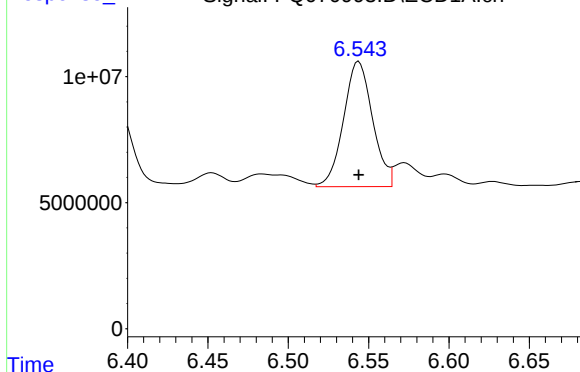
Time

Response_

Signal: PQ070993.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 62353894
Conc: 259.22 ng/ml

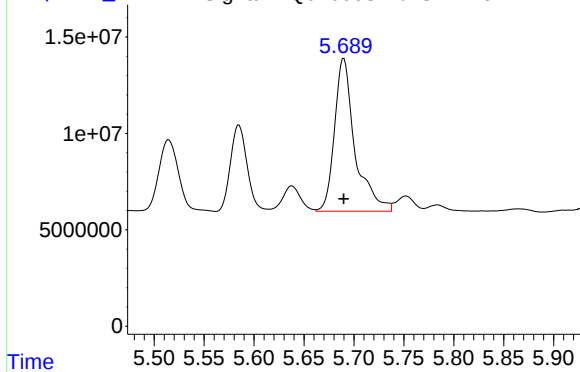
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250

Time

Response_

Signal: PQ070993.D\ECD2B.ch

#30 AR-1254-5



R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 113088081
Conc: 260.51 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:15
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 15:31:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 15:31:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.777	18509464	21190782	4.213	4.074
2) SA Decachlor...	8.497	7.533	13621454	26282104	4.302	4.713
Target Compounds						
26) L6 AR-1254-1	5.294	4.533	8706585	14758492	44.358	43.766
27) L6 AR-1254-2	5.507	4.679	12975824	13428771	44.670	45.191
28) L6 AR-1254-3	5.856	5.060	13388451	20784652	43.581	44.501
29) L6 AR-1254-4	6.135	5.286	9249550	12805792	42.131	43.372
30) L6 AR-1254-5	6.544	5.690	9864278	18267509	42.538	43.458

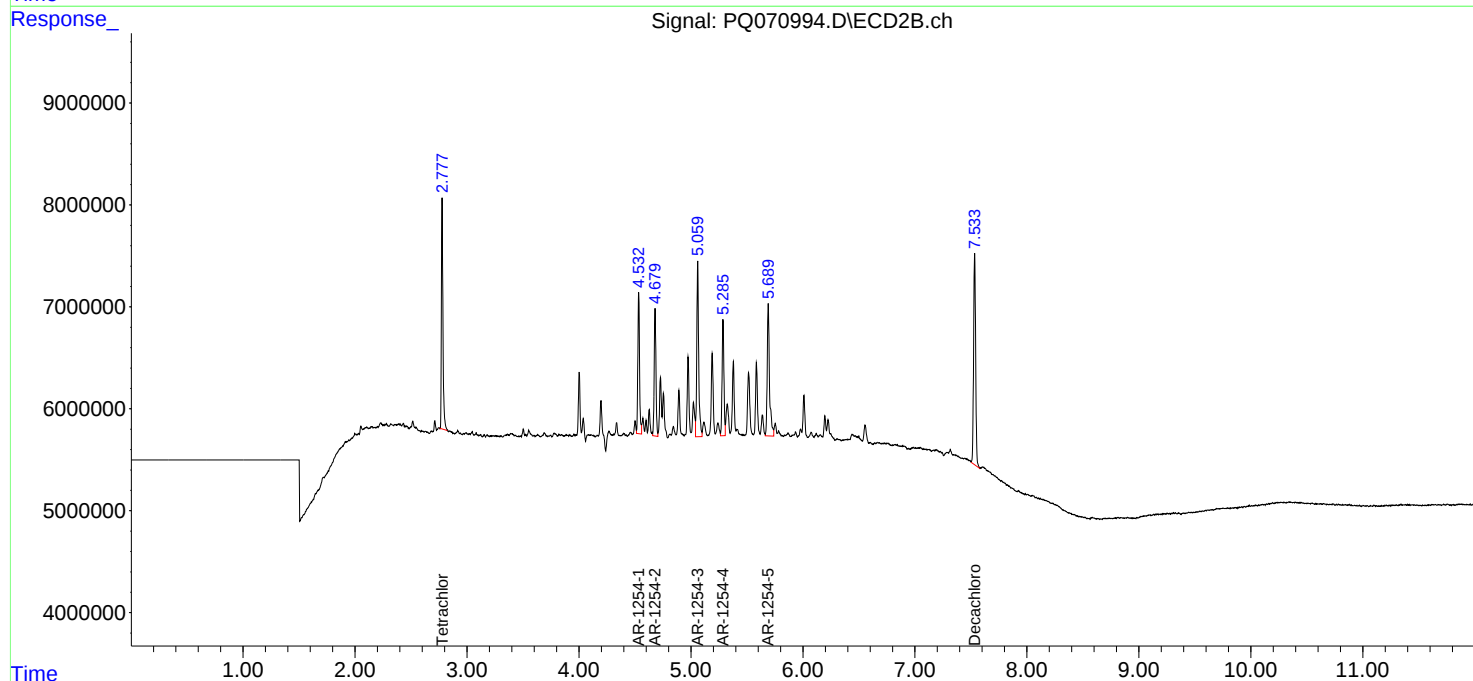
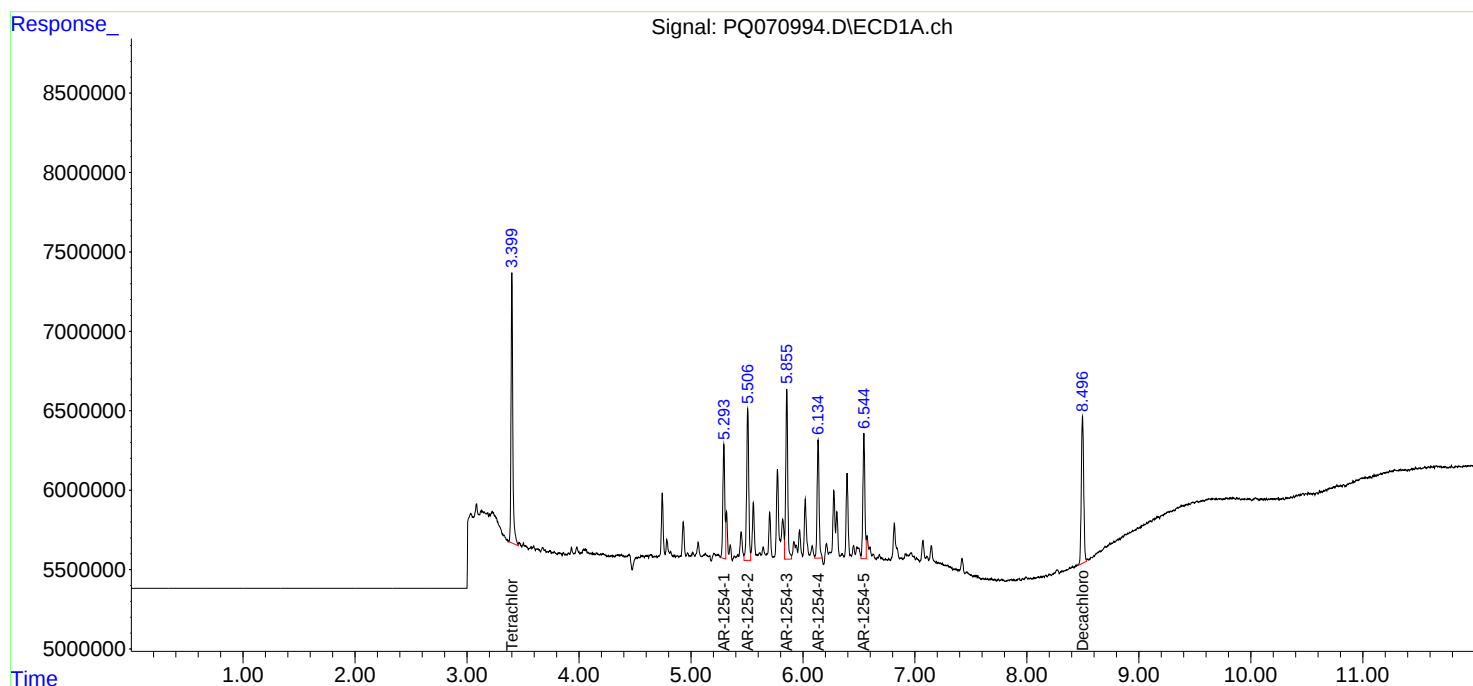
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

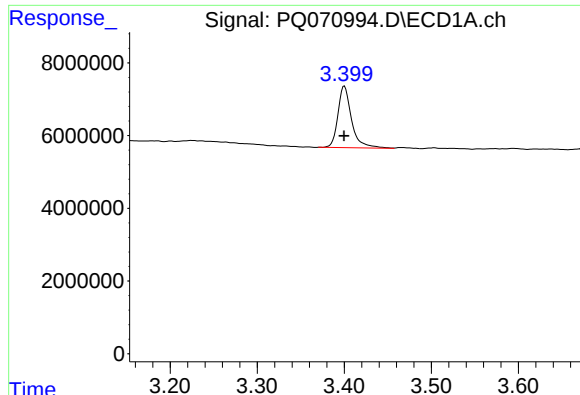
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:15
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 15:31:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 15:31:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

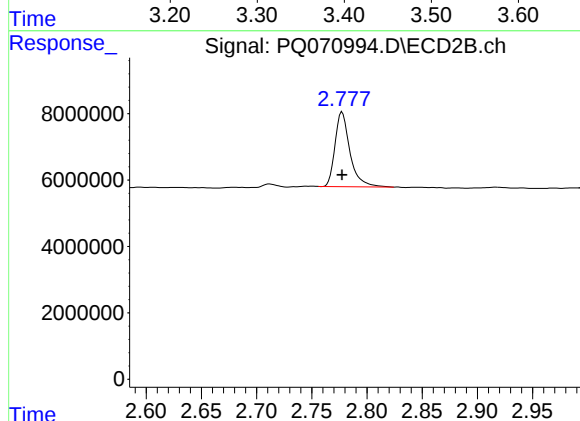




#1 Tetrachloro-m-xylene

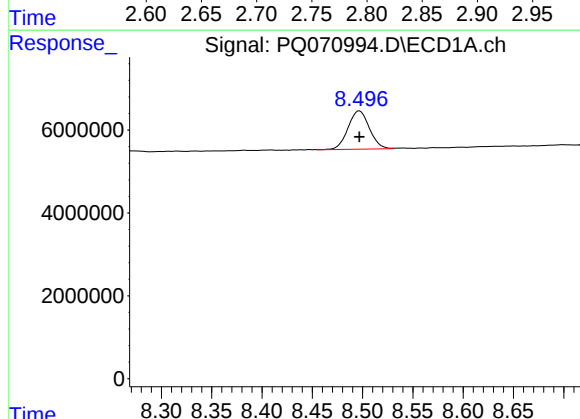
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 18509464
Conc: 4.21 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050



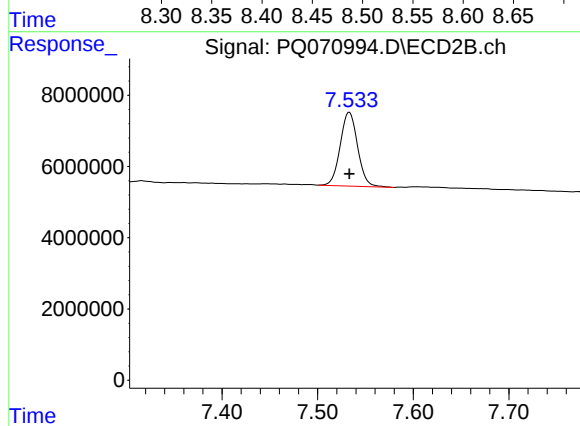
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 21190782
Conc: 4.07 ng/ml



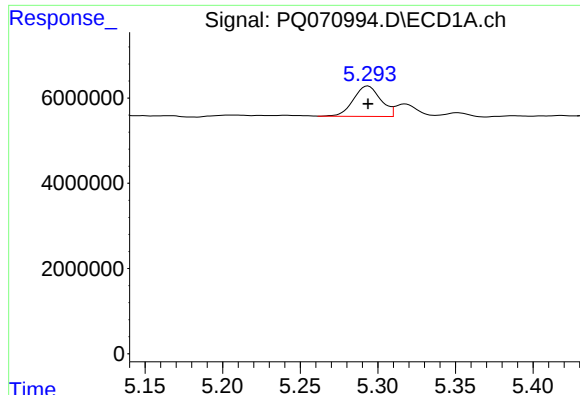
#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 13621454
Conc: 4.30 ng/ml



#2 Decachlorobiphenyl

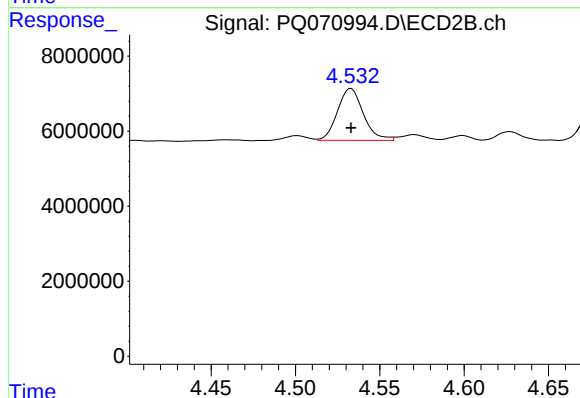
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 26282104
Conc: 4.71 ng/ml



#26 AR-1254-1

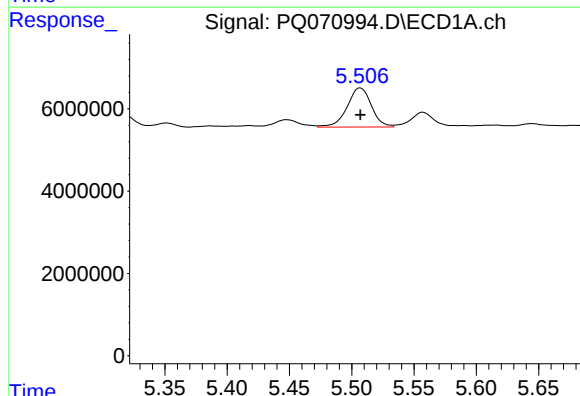
R.T.: 5.294 min
Delta R.T.: 0.000 min
Response: 8706585
Conc: 44.36 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050



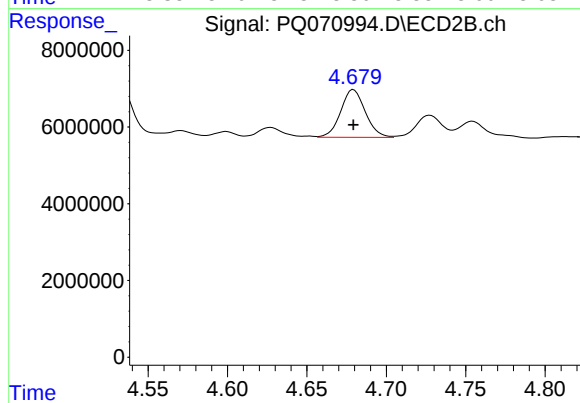
#26 AR-1254-1

R.T.: 4.533 min
Delta R.T.: 0.000 min
Response: 14758492
Conc: 43.77 ng/ml



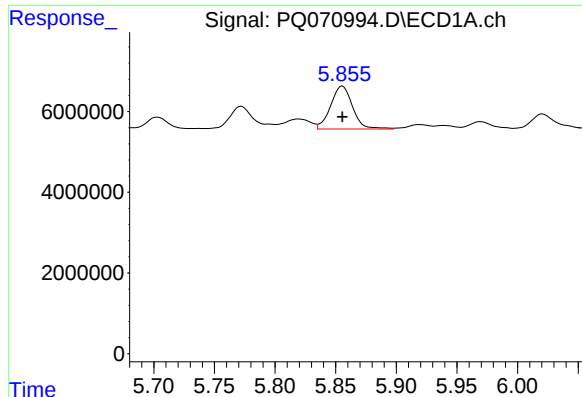
#27 AR-1254-2

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 12975824
Conc: 44.67 ng/ml



#27 AR-1254-2

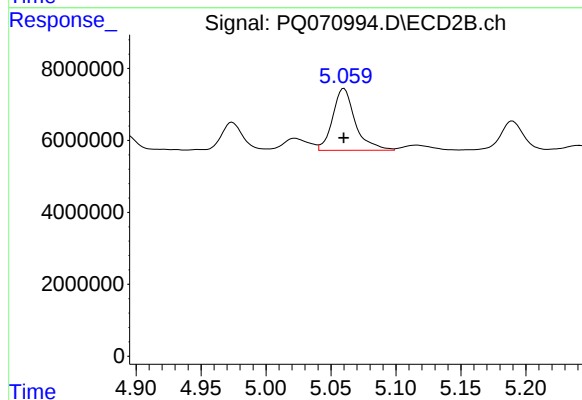
R.T.: 4.679 min
Delta R.T.: 0.000 min
Response: 13428771
Conc: 45.19 ng/ml



#28 AR-1254-3

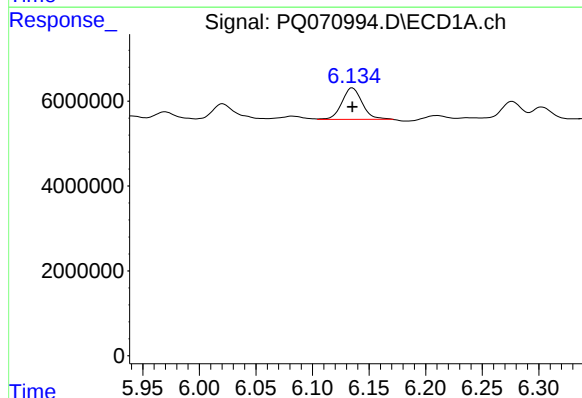
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 13388451
Conc: 43.58 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050



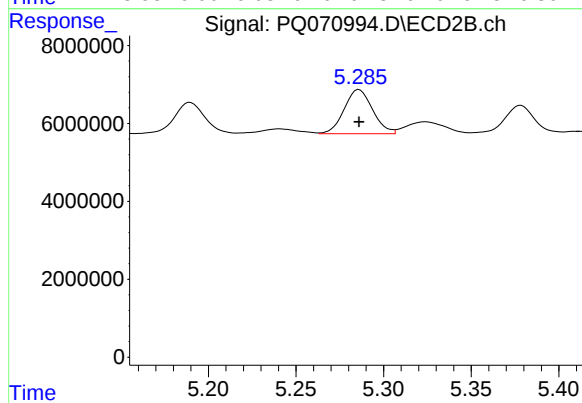
#28 AR-1254-3

R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 20784652
Conc: 44.50 ng/ml



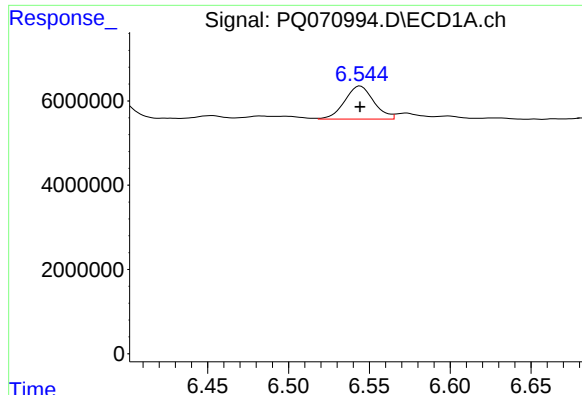
#29 AR-1254-4

R.T.: 6.135 min
Delta R.T.: 0.000 min
Response: 9249550
Conc: 42.13 ng/ml



#29 AR-1254-4

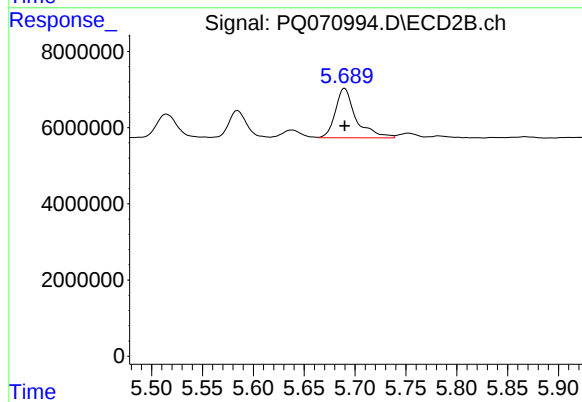
R.T.: 5.286 min
Delta R.T.: 0.000 min
Response: 12805792
Conc: 43.37 ng/ml



#30 AR-1254-5

R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 9864278
Conc: 42.54 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 18267509
Conc: 43.46 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:30
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 15:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 15:45:32 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...	3.400	2.778	233.7E6	278.1E6	50.000	50.000
2) SA Decachlor...	8.497	7.533	168.1E6	302.5E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.841	5.733	137.0E6	226.2E6	500.000	500.000
37) L8 AR-1262-2	7.146	5.979	249.2E6	213.9E6	500.000	500.000
38) L8 AR-1262-3	7.419	6.500	164.3E6	166.4E6	500.000	500.000
39) L8 AR-1262-4	7.492	6.561	126.2E6	308.4E6	500.000	500.000
40) L8 AR-1262-5	7.988	7.051	82174920	151.5E6	500.000	500.000

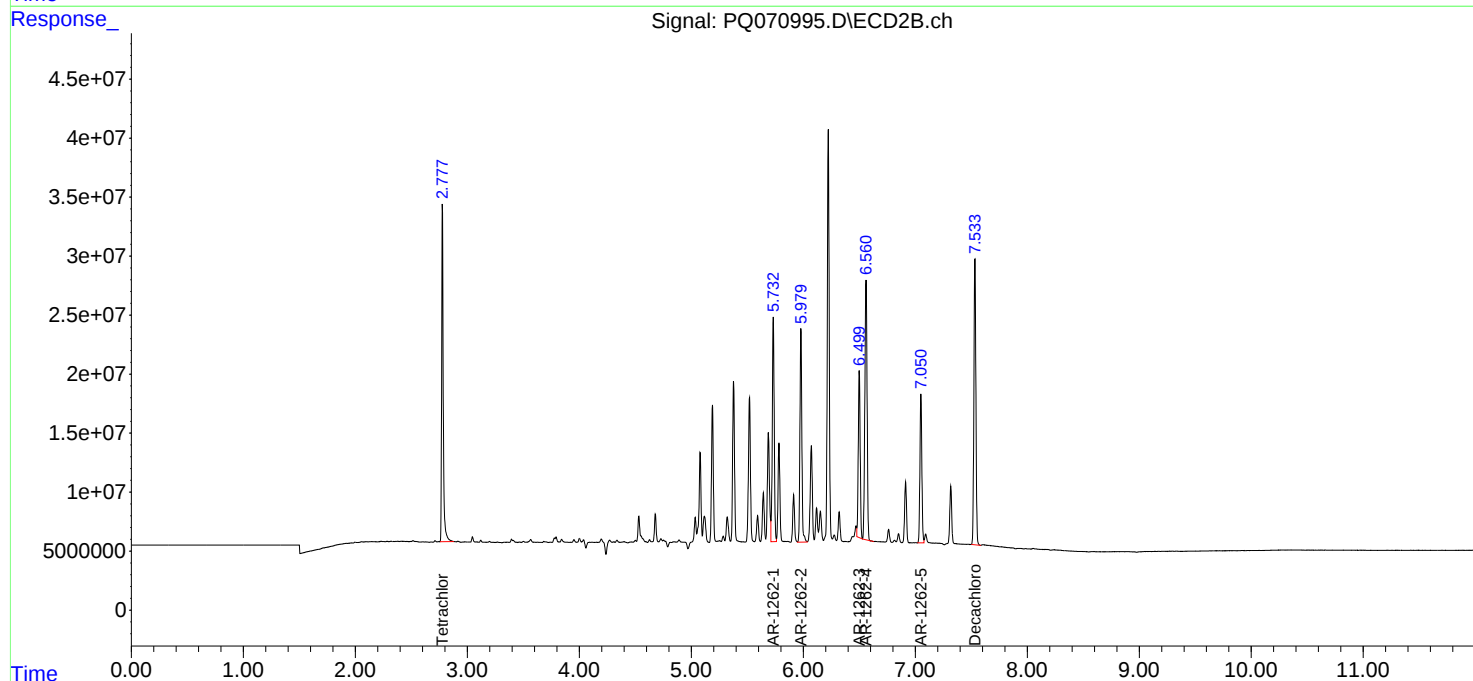
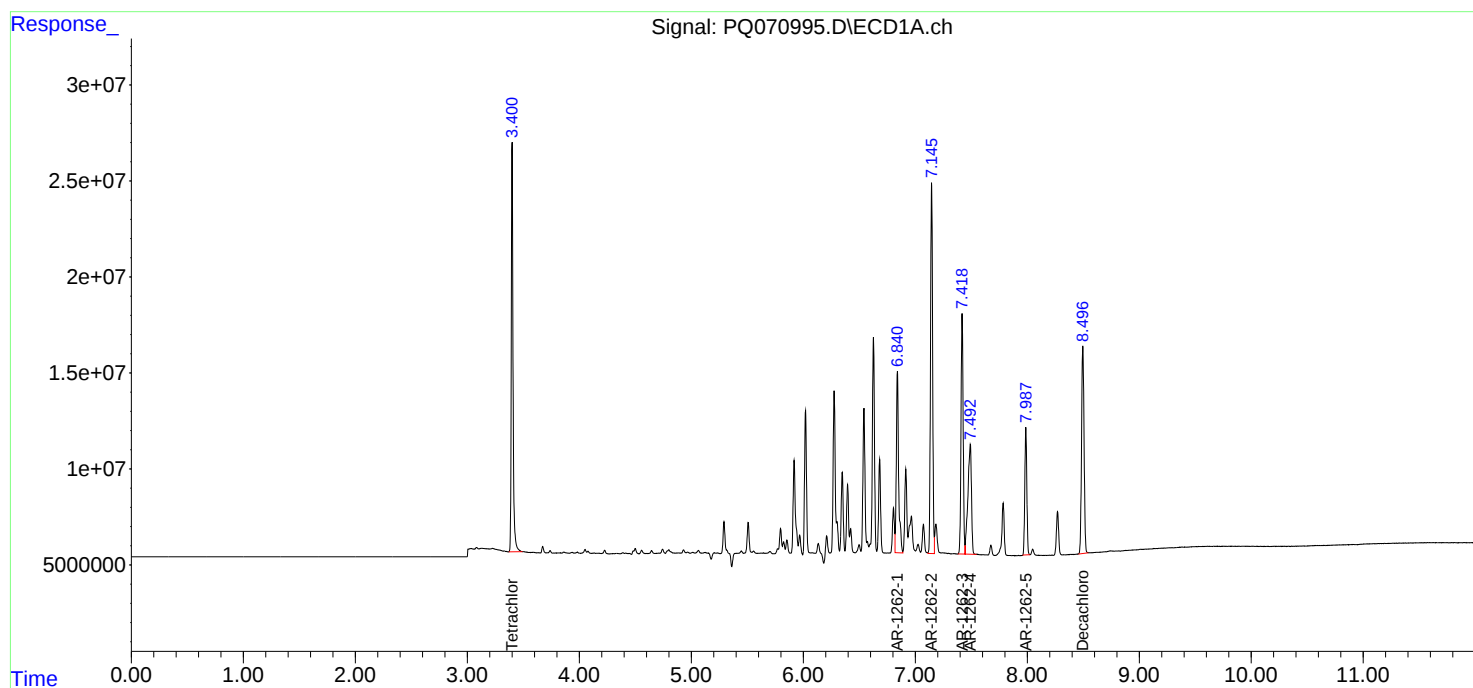
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:30
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 15:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 15:45:32 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

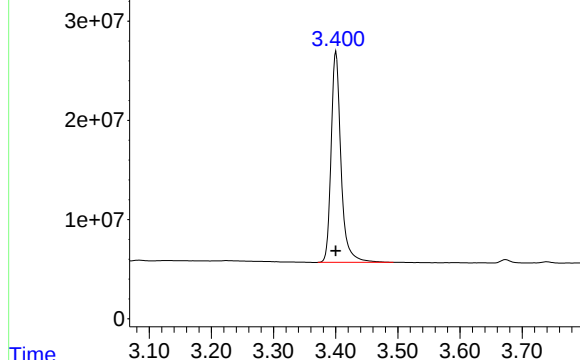


Response_ Signal: PQ070995.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 233674057
Conc: 50.00 ng/ml

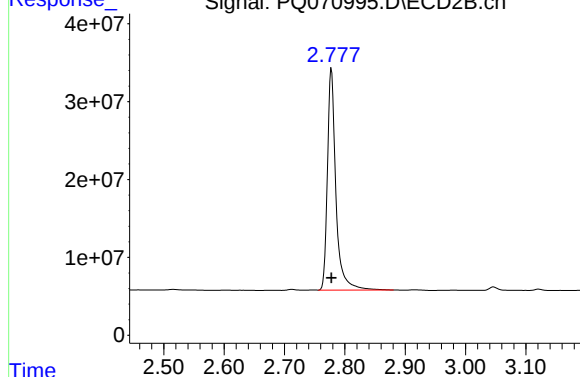
Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500



Time Response_ Signal: PQ070995.D\ECD2B.ch

#1 Tetrachloro-m-xylene

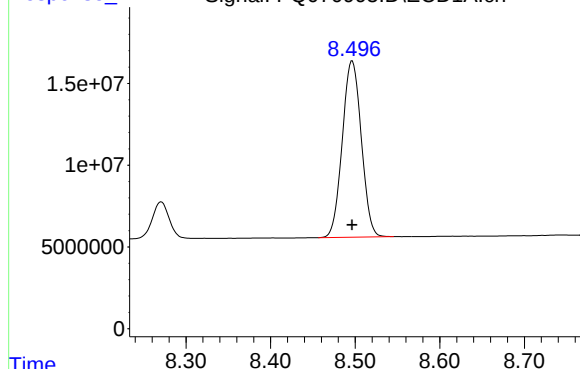
R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 278097352
Conc: 50.00 ng/ml



Time Response_ Signal: PQ070995.D\ECD1A.ch

#2 Decachlorobiphenyl

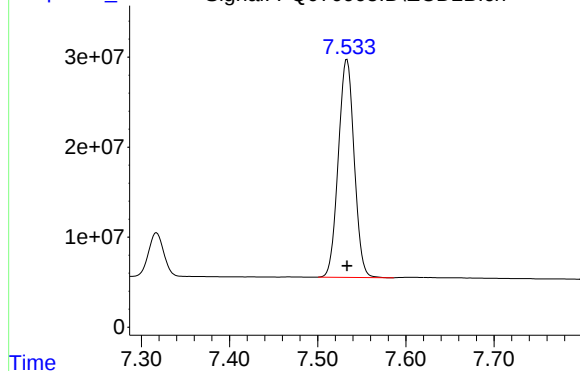
R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 168129535
Conc: 50.00 ng/ml



Time Response_ Signal: PQ070995.D\ECD2B.ch

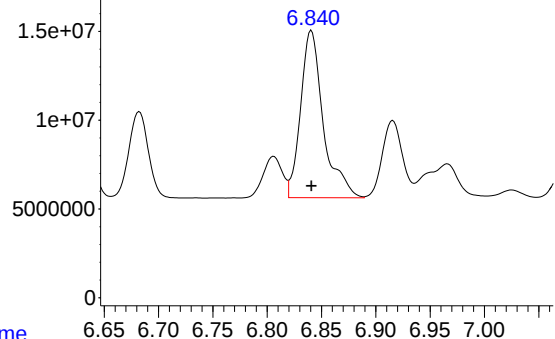
#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 302467313
Conc: 50.00 ng/ml



Response_ Signal: PQ070995.D\ECD1A.ch

#36 AR-1262-1

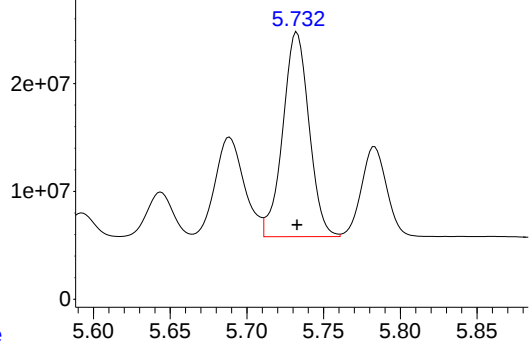


R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 137009240
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500

Time Response_ Signal: PQ070995.D\ECD2B.ch

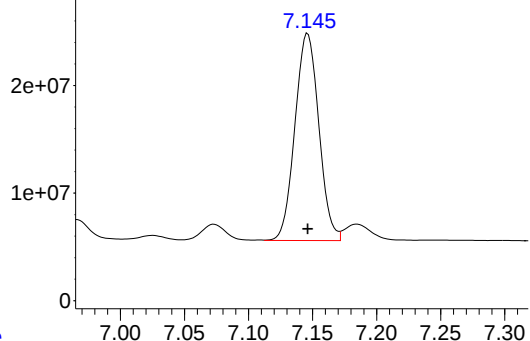
#36 AR-1262-1



R.T.: 5.733 min
Delta R.T.: 0.000 min
Response: 226243354
Conc: 500.00 ng/ml

Time Response_ Signal: PQ070995.D\ECD1A.ch

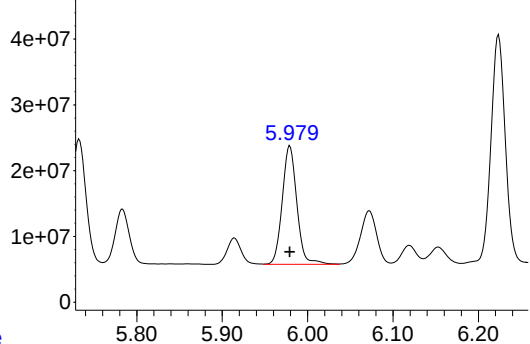
#37 AR-1262-2



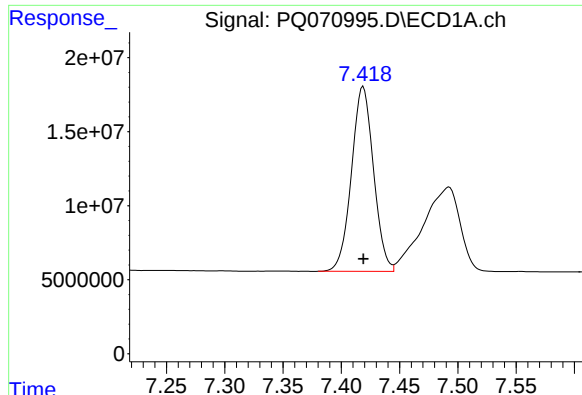
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 249238238
Conc: 500.00 ng/ml

Time Response_ Signal: PQ070995.D\ECD2B.ch

#37 AR-1262-2



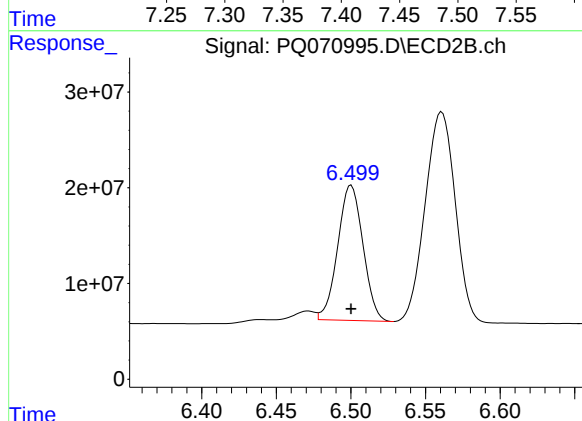
R.T.: 5.979 min
Delta R.T.: 0.000 min
Response: 213850677
Conc: 500.00 ng/ml



#38 AR-1262-3

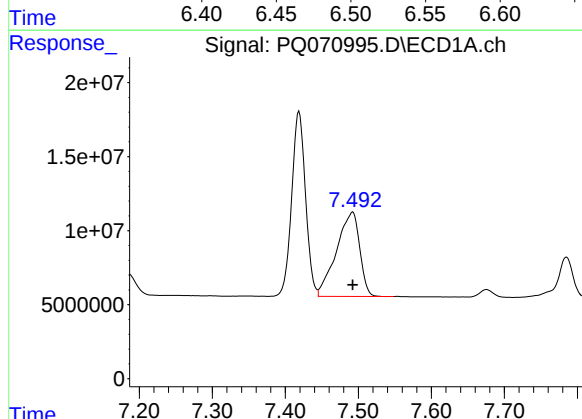
R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 164329640
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500



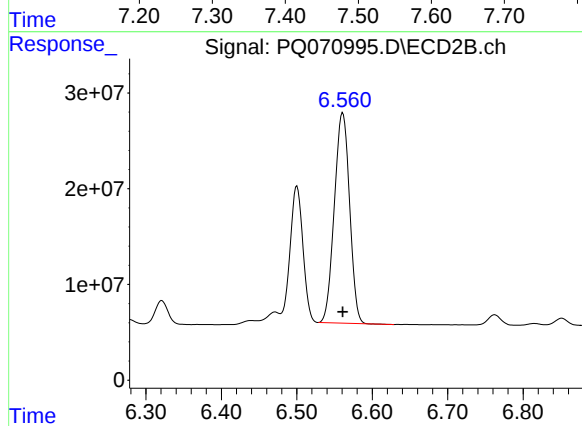
#38 AR-1262-3

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 166353751
Conc: 500.00 ng/ml



#39 AR-1262-4

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 126169859
Conc: 500.00 ng/ml



#39 AR-1262-4

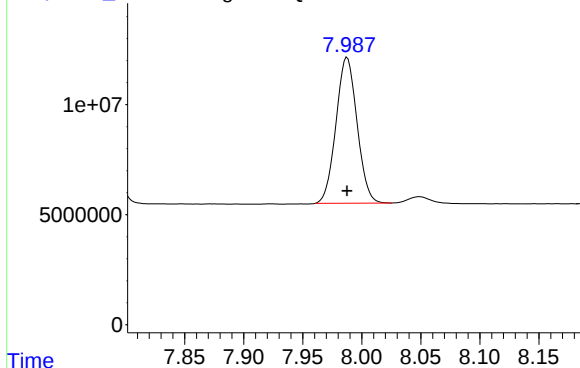
R.T.: 6.561 min
Delta R.T.: 0.000 min
Response: 308409736
Conc: 500.00 ng/ml

Response_

Signal: PQ070995.D\ECD1A.ch

#40 AR-1262-5

ICAL Form



R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 82174920
Conc: 500.00 ng/ml

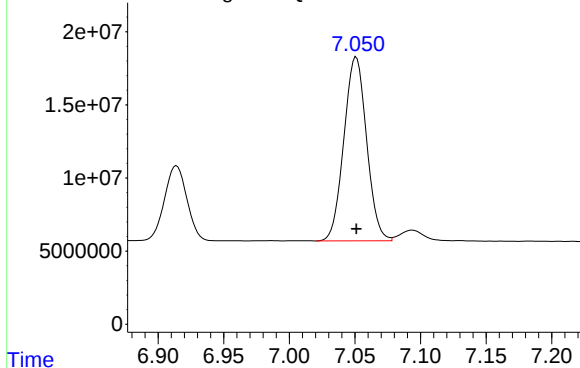
Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500

Time

Response_

Signal: PQ070995.D\ECD2B.ch

#40 AR-1262-5



R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 151493238
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:44
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 16:44:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 16:41:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	473.5E6	558.2E6	98.121	98.662
2) SA Decachlor...	8.496	7.533	575.8E6	1040.1E6	97.627	97.468
Target Compounds						
41) L9 AR-1268-1	7.418	6.501	555.6E6	931.5E6	975.616	977.850
42) L9 AR-1268-2	7.494	6.563	510.3E6	858.9E6	977.260	976.287
43) L9 AR-1268-3	7.676	6.763	416.5E6	746.0E6	976.432	977.977
44) L9 AR-1268-4	7.988	7.051	179.4E6	330.2E6	972.218	977.102
45) L9 AR-1268-5	8.271	7.318	1283.2E6	2374.7E6	985.329	987.978

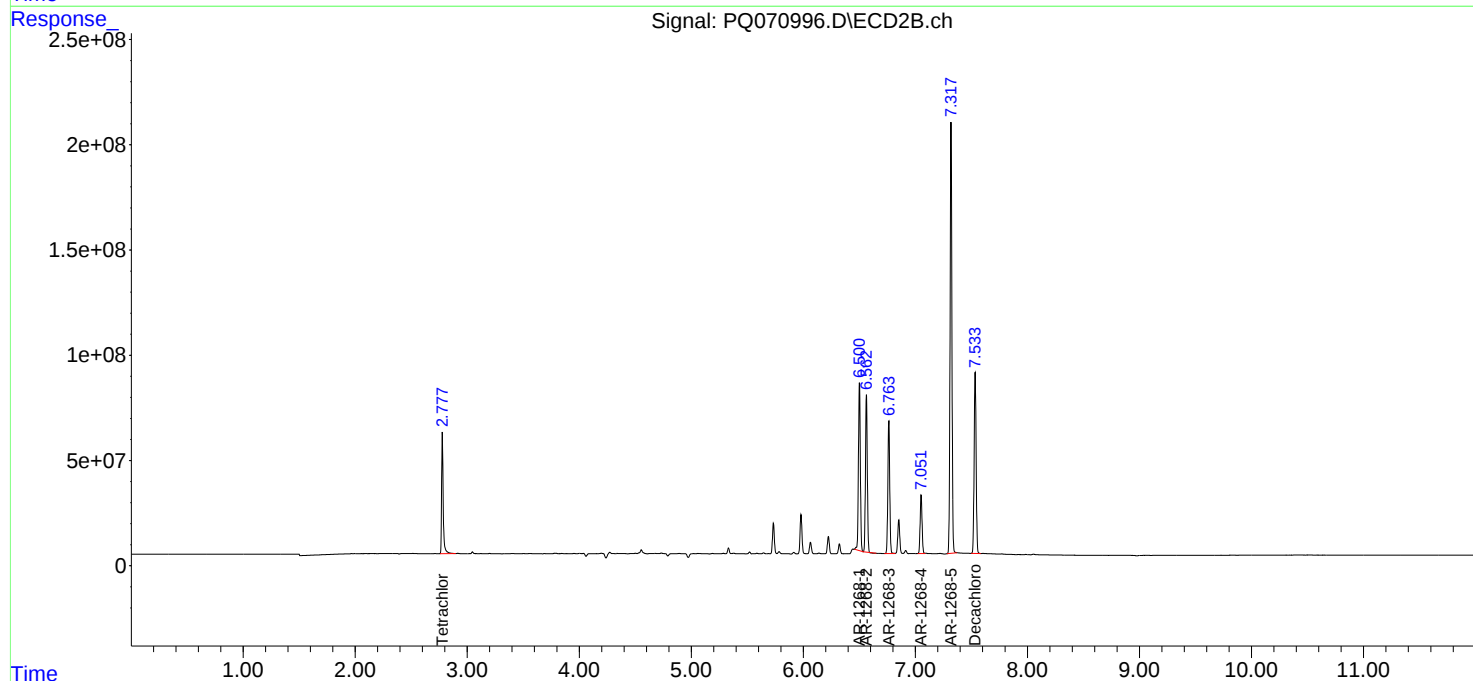
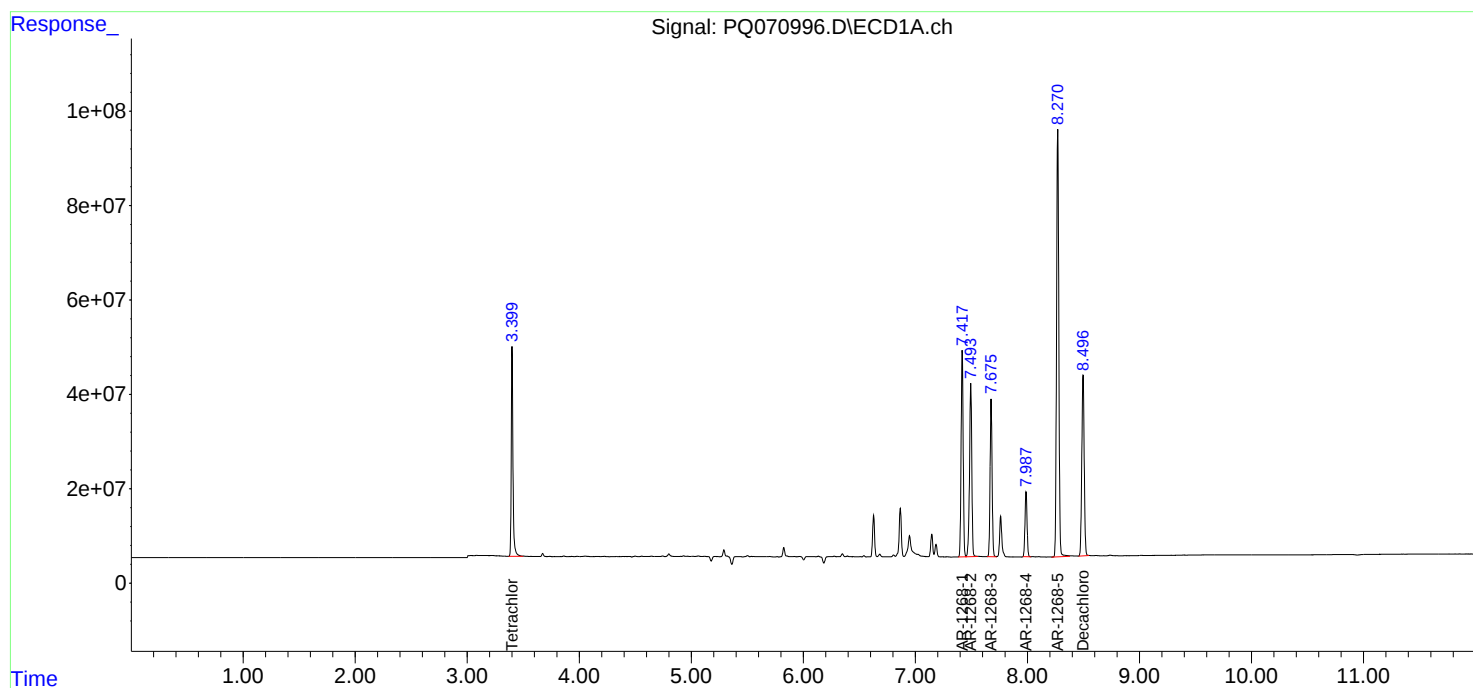
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

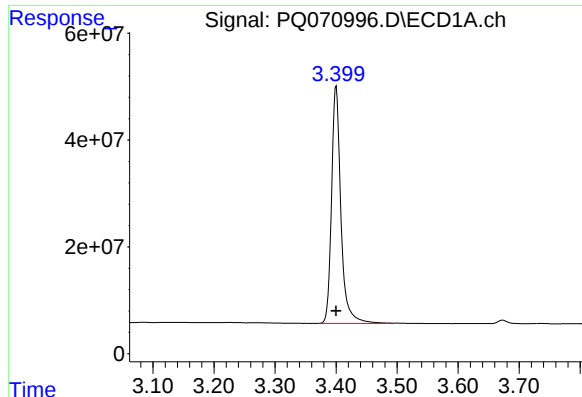
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:44
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 16:44:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 16:41:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

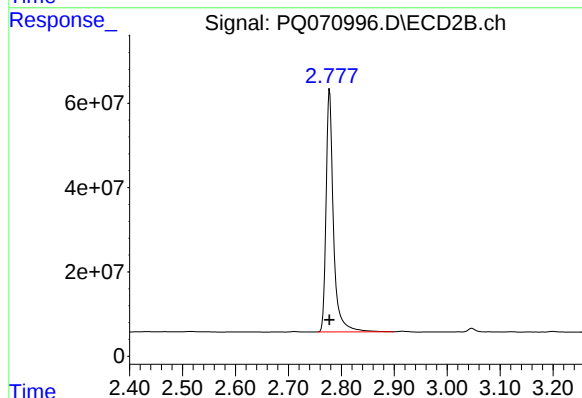




#1 Tetrachloro-m-xylene

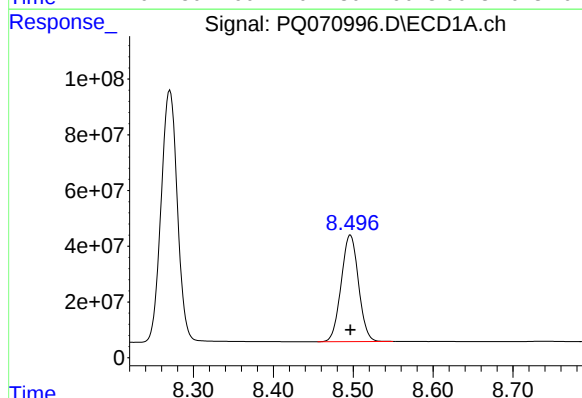
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 473487442
Conc: 98.12 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC1000



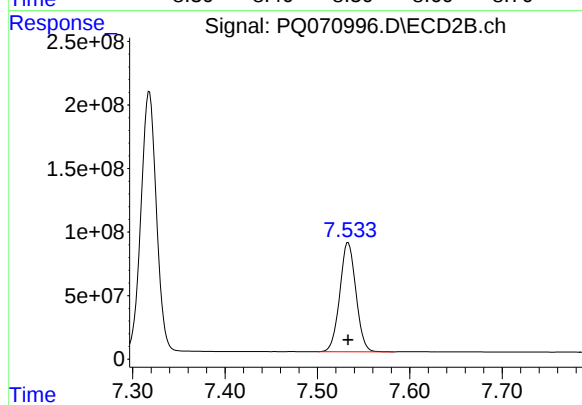
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 558165948
Conc: 98.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 575751429
Conc: 97.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 1040108591
Conc: 97.47 ng/ml

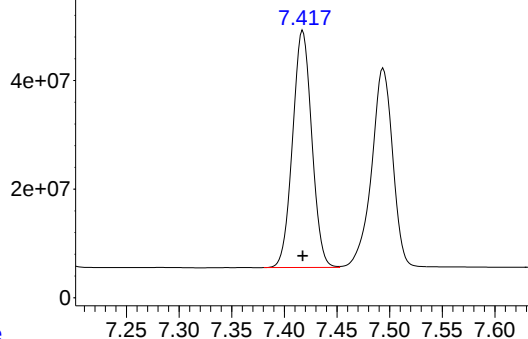
Response_

Signal: PQ070996.D\ECD1A.ch

#41 AR-1268-1

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 555593291
Conc: 975.62 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC1000



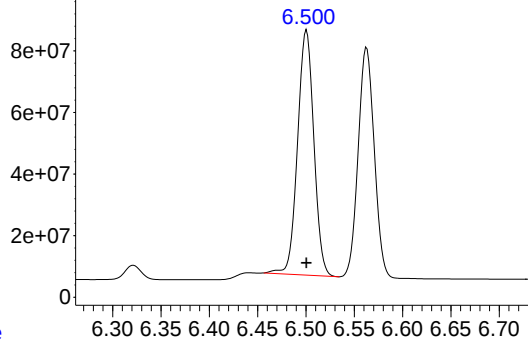
Time

Response_

Signal: PQ070996.D\ECD2B.ch

#41 AR-1268-1

R.T.: 6.501 min
Delta R.T.: 0.000 min
Response: 931455367
Conc: 977.85 ng/ml



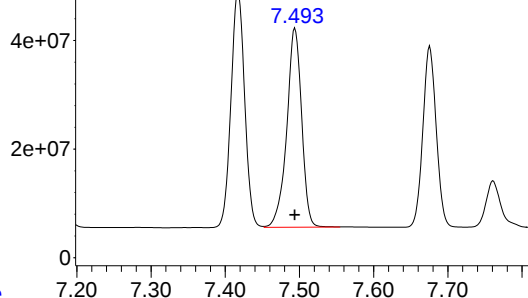
Time

Response_

Signal: PQ070996.D\ECD1A.ch

#42 AR-1268-2

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 510325576
Conc: 977.26 ng/ml



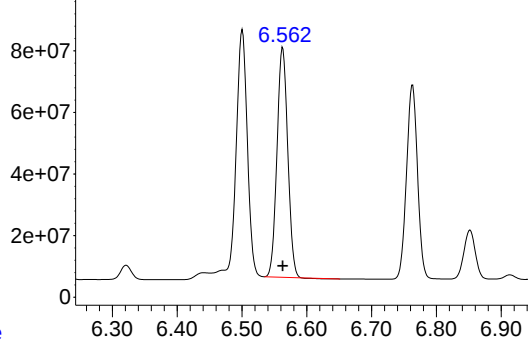
Time

Response_

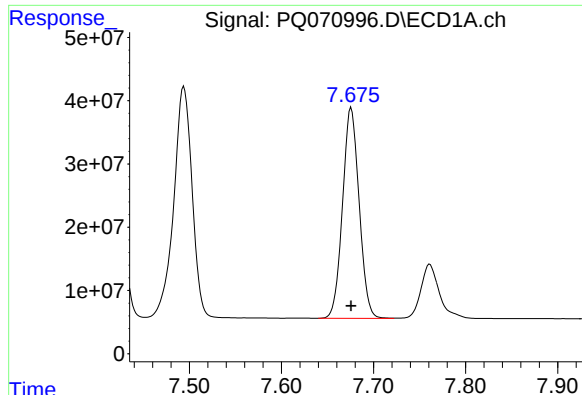
Signal: PQ070996.D\ECD2B.ch

#42 AR-1268-2

R.T.: 6.563 min
Delta R.T.: 0.000 min
Response: 858872879
Conc: 976.29 ng/ml



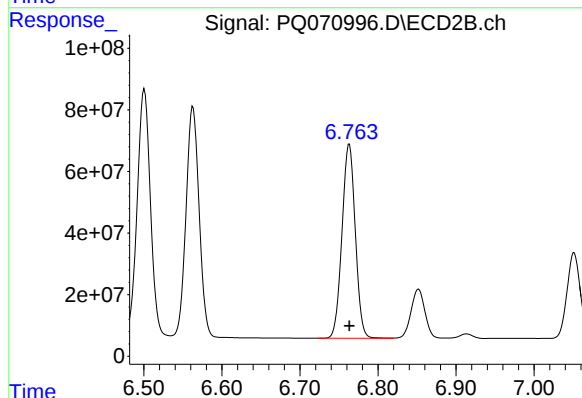
Time



#43 AR-1268-3

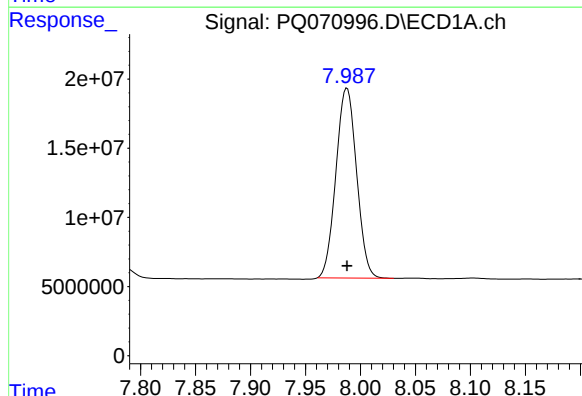
R.T.: 7.676 min
Delta R.T.: 0.000 min
Response: 416538407
Conc: 976.43 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC1000



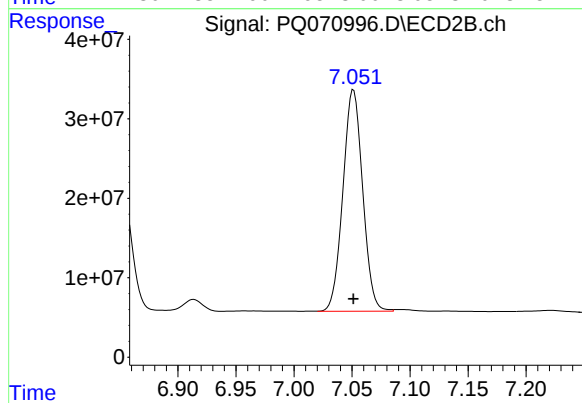
#43 AR-1268-3

R.T.: 6.763 min
Delta R.T.: 0.000 min
Response: 746016914
Conc: 977.98 ng/ml



#44 AR-1268-4

R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 179373252
Conc: 972.22 ng/ml



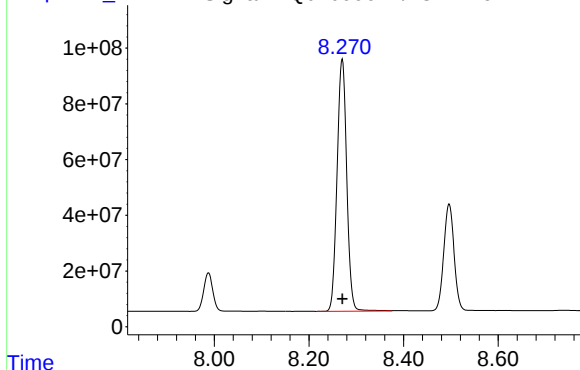
#44 AR-1268-4

R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 330162118
Conc: 977.10 ng/ml

Response_

Signal: PQ070996.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 1283167757
Conc: 985.33 ng/ml

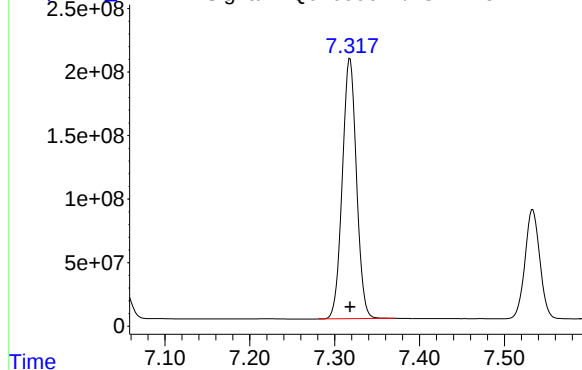
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC1000

Time

Response

Signal: PQ070996.D\ECD2B.ch

#45 AR-1268-5



R.T.: 7.318 min
Delta R.T.: 0.000 min
Response: 2374681378
Conc: 987.98 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:59
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 16:47:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 16:41:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	365.3E6	429.7E6	75.472	75.638
2) SA Decachlor...	8.496	7.533	443.5E6	805.2E6	75.137	75.305
Target Compounds						
41) L9 AR-1268-1	7.417	6.501	429.3E6	721.3E6	752.594	754.792
42) L9 AR-1268-2	7.495	6.564	393.0E6	668.4E6	751.776	756.465
43) L9 AR-1268-3	7.677	6.763	320.6E6	577.3E6	751.101	754.528
44) L9 AR-1268-4	7.988	7.051	139.1E6	254.6E6	752.792	752.326
45) L9 AR-1268-5	8.270	7.318	981.0E6	1816.7E6	752.199	753.877

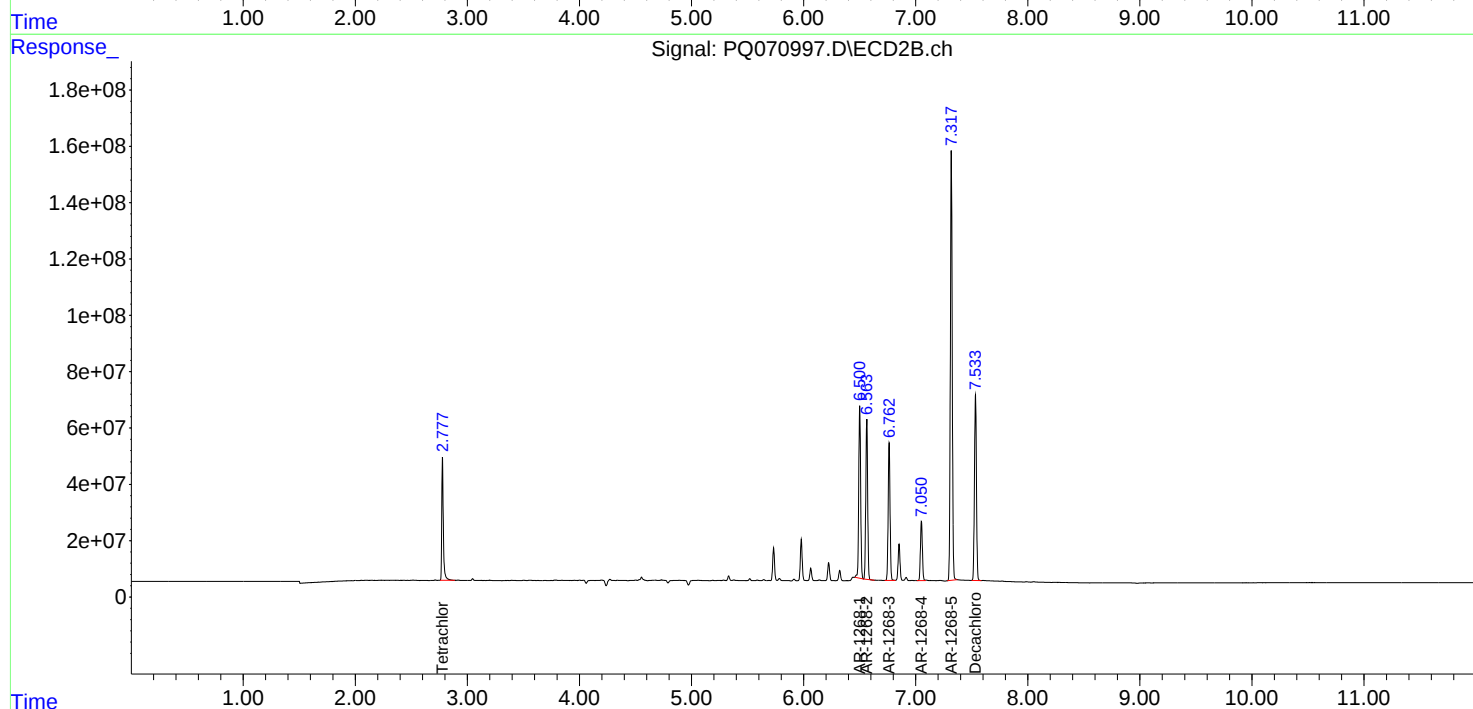
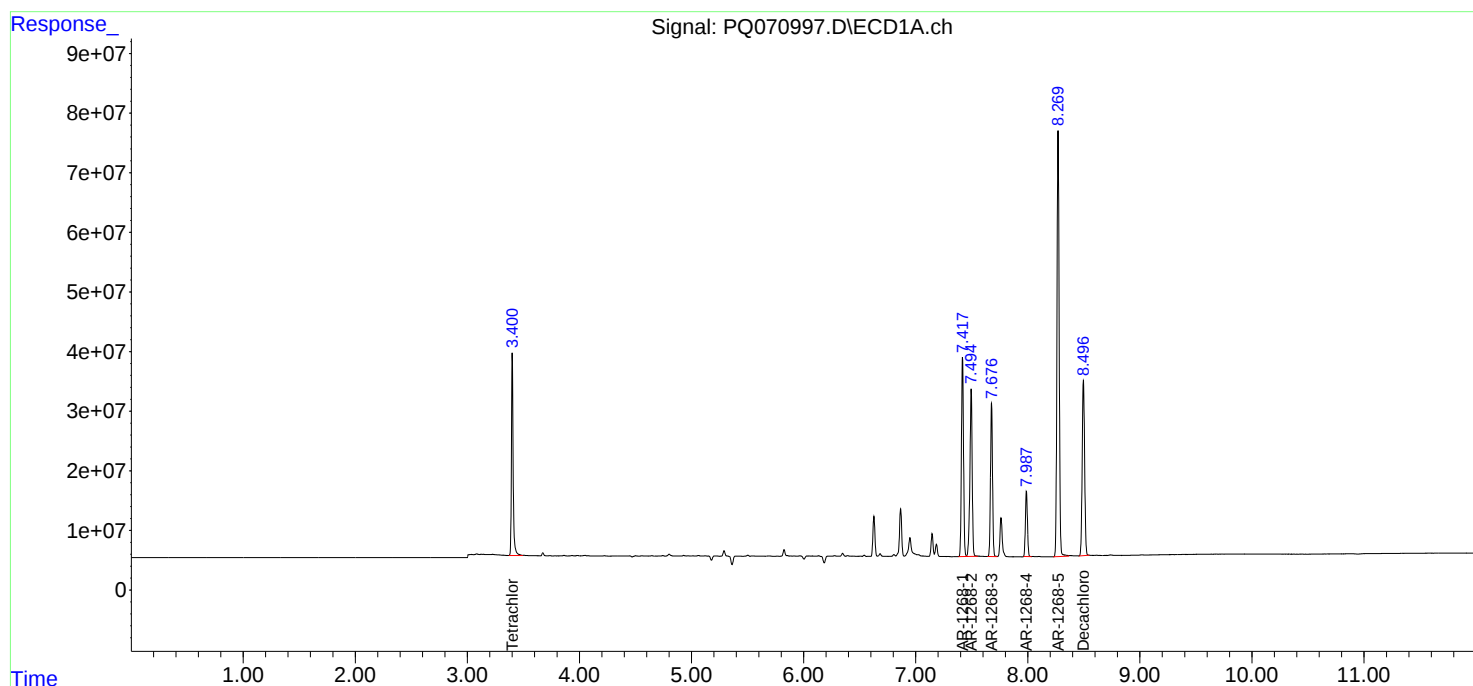
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:59
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

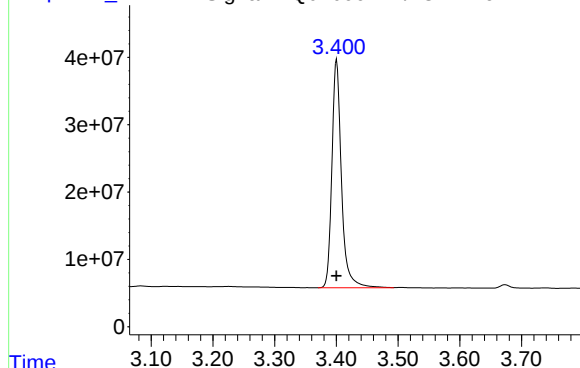
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 16:47:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 16:41:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: PQ070997.D\ECD1A.ch

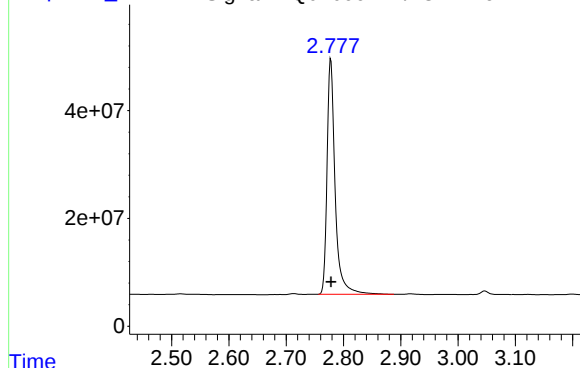


#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 365345228
Conc: 75.47 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC750

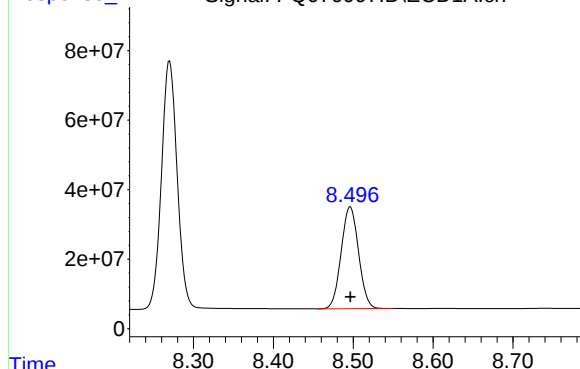
Time Response_ Signal: PQ070997.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 429738765
Conc: 75.64 ng/ml

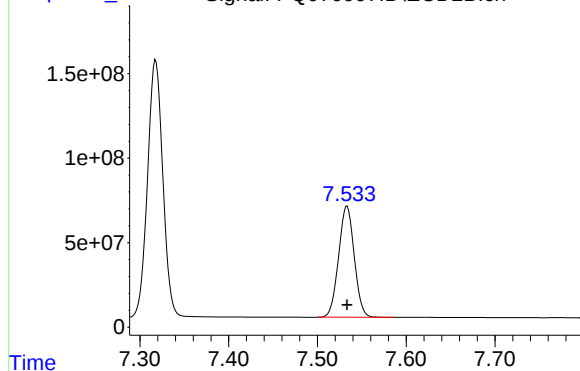
Time Response_ Signal: PQ070997.D\ECD1A.ch



#2 Decachlorobiphenyl

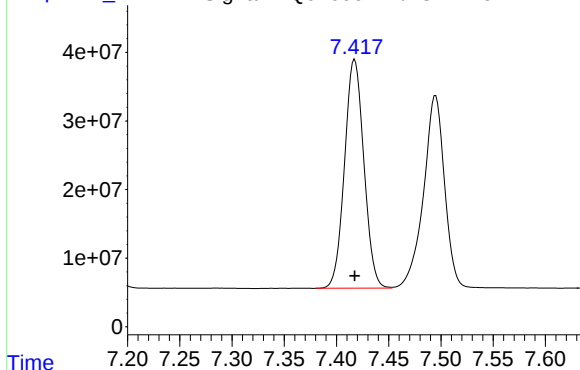
R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 443523459
Conc: 75.14 ng/ml

Time Response_ Signal: PQ070997.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 805246413
Conc: 75.31 ng/ml



R.T.: 7.417 min
Delta R.T.: 0.000 min
Response: 429329141
Conc: 752.59 ng/ml

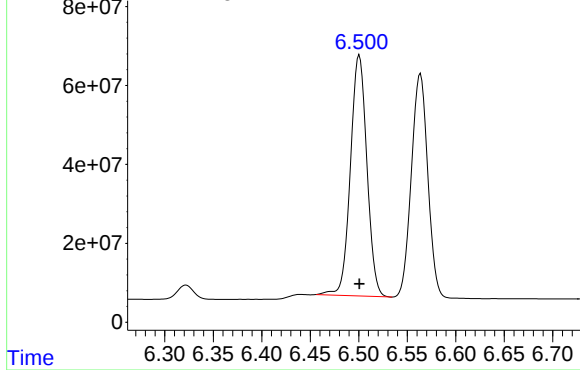
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC750

Time

Response

Signal: PQ070997.D\ECD2B.ch

#41 AR-1268-1



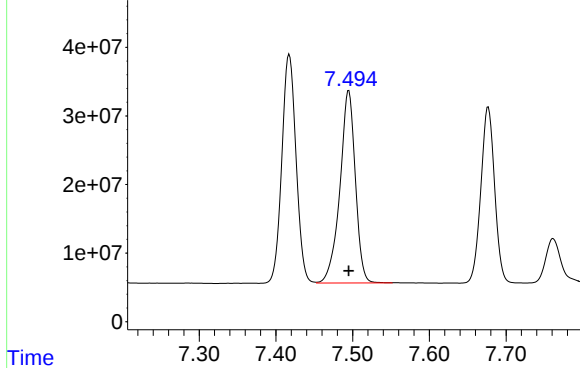
R.T.: 6.501 min
Delta R.T.: 0.000 min
Response: 721284734
Conc: 754.79 ng/ml

Time

Response

Signal: PQ070997.D\ECD1A.ch

#42 AR-1268-2



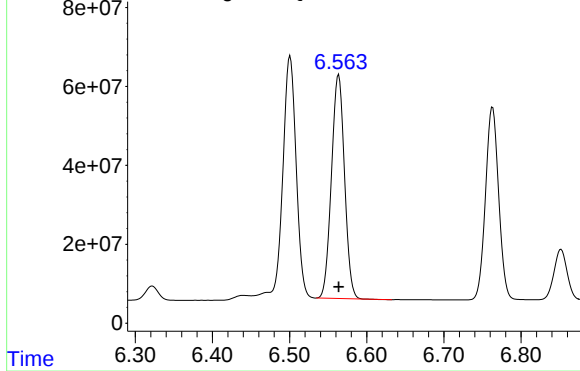
R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 393043003
Conc: 751.78 ng/ml

Time

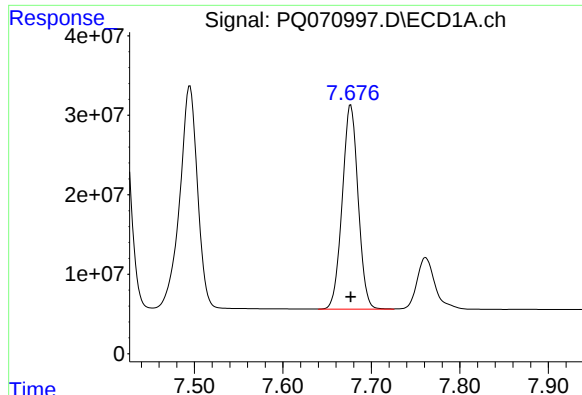
Response

Signal: PQ070997.D\ECD2B.ch

#42 AR-1268-2



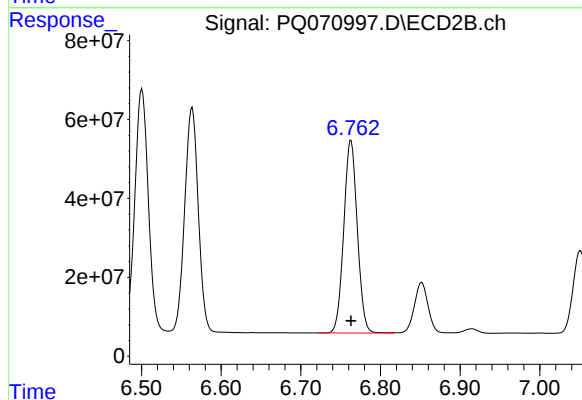
R.T.: 6.564 min
Delta R.T.: 0.000 min
Response: 668369020
Conc: 756.47 ng/ml



#43 AR-1268-3

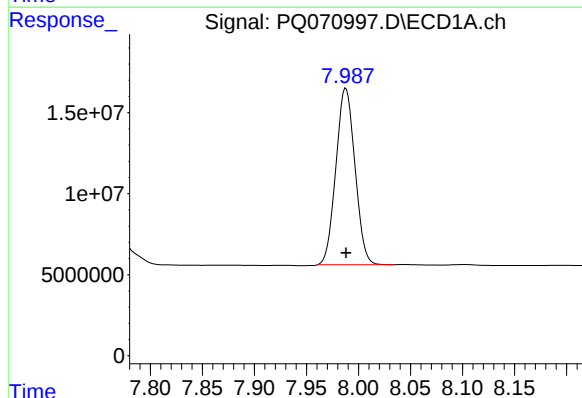
R.T.: 7.677 min
Delta R.T.: 0.000 min
Response: 320649152
Conc: 751.10 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC750



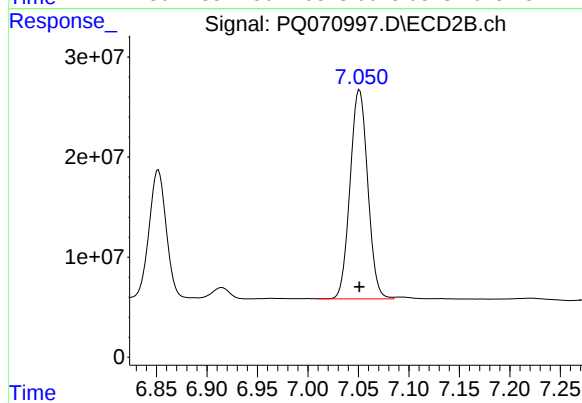
#43 AR-1268-3

R.T.: 6.763 min
Delta R.T.: 0.000 min
Response: 577309161
Conc: 754.53 ng/ml



#44 AR-1268-4

R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 139148391
Conc: 752.79 ng/ml



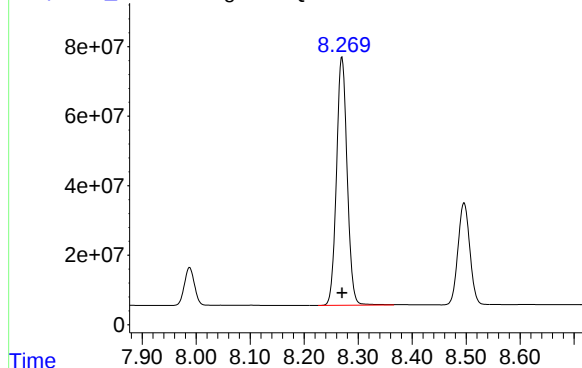
#44 AR-1268-4

R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 254605180
Conc: 752.33 ng/ml

Response_

Signal: PQ070997.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.270 min
Delta R.T.: 0.000 min
Response: 981007723
Conc: 752.20 ng/ml

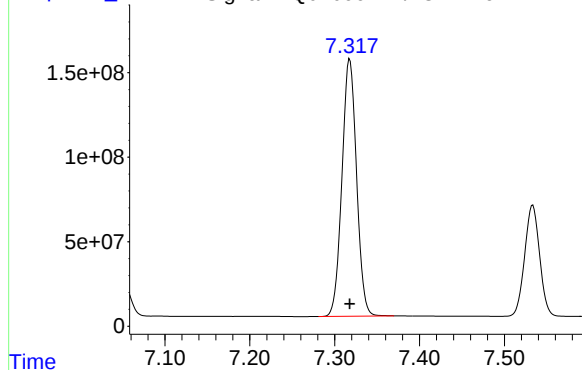
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC750

Time

Response_

Signal: PQ070997.D\ECD2B.ch

#45 AR-1268-5



R.T.: 7.318 min
Delta R.T.: 0.000 min
Response: 1816697371
Conc: 753.88 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:13
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 16:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 16:41:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.401	2.778	245.8E6	286.7E6	50.000	50.000
2) SA Decachlor...	8.497	7.533	301.9E6	547.1E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.418	6.501	291.7E6	486.8E6	500.000	500.000
42) L9 AR-1268-2	7.496	6.564	267.0E6	450.3E6	500.000	500.000
43) L9 AR-1268-3	7.677	6.763	218.3E6	389.8E6	500.000	500.000
44) L9 AR-1268-4	7.988	7.051	94812460	172.8E6	500.000	500.000
45) L9 AR-1268-5	8.271	7.318	660.7E6	1216.2E6	500.000	500.000

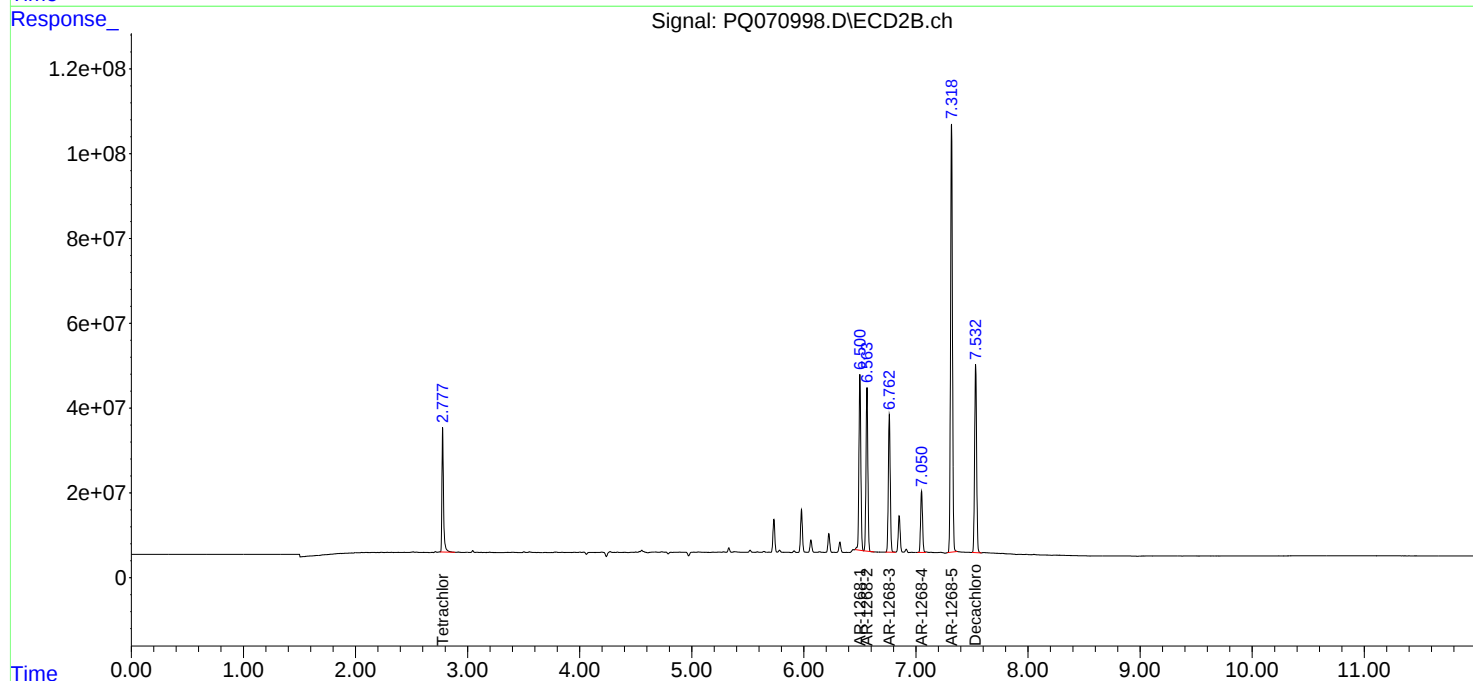
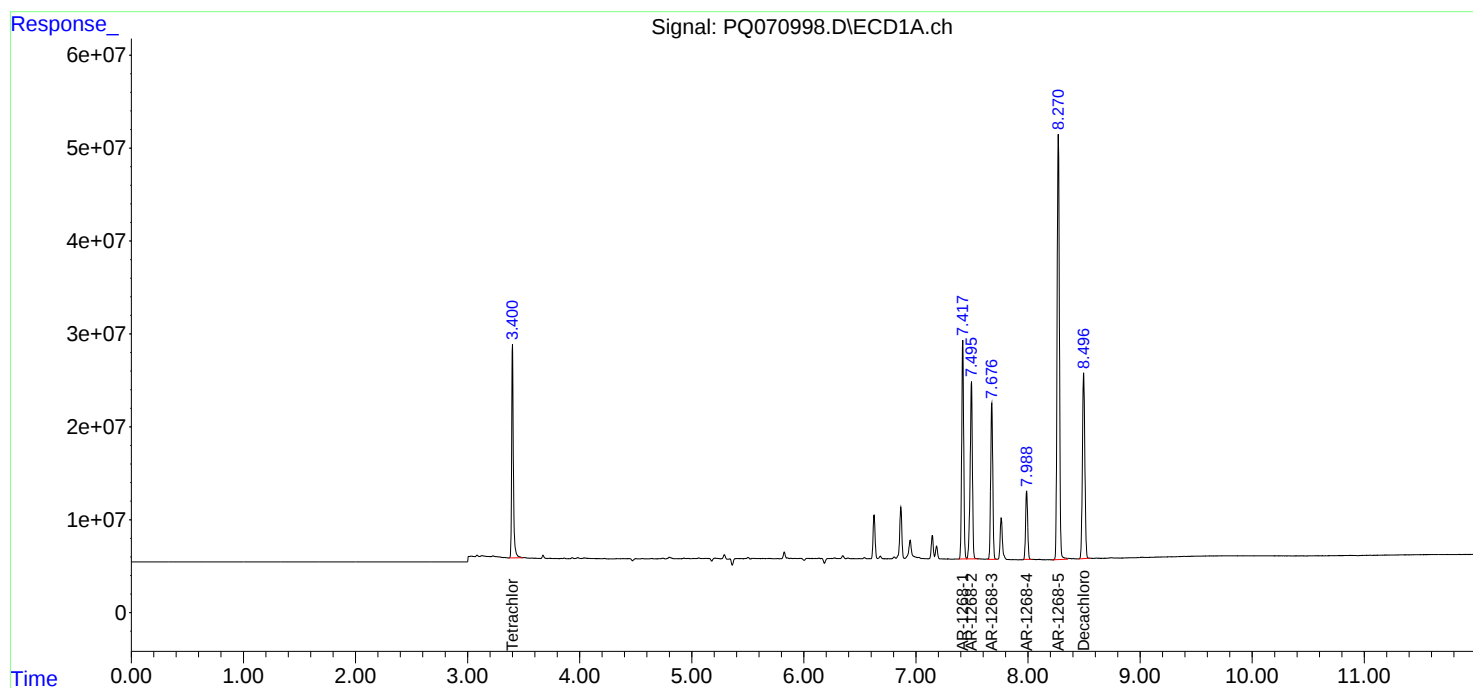
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

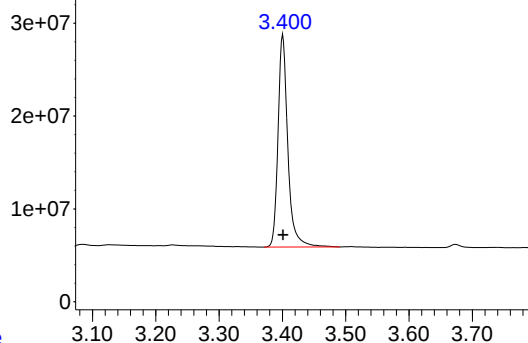
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:13
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 16:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 16:41:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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





R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 245811296
Conc: 50.00 ng/ml

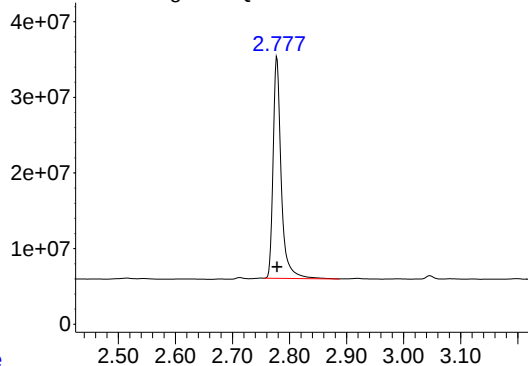
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PQ070998.D\ECD2B.ch

#1 Tetrachloro-m-xylene



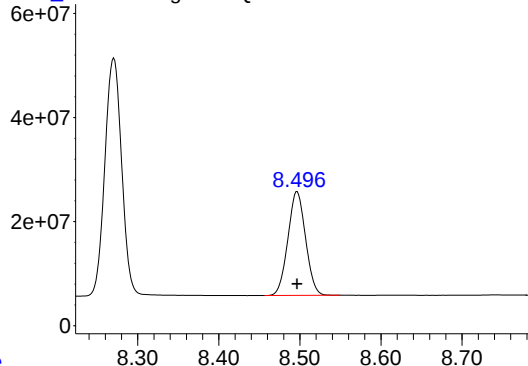
R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 286653182
Conc: 50.00 ng/ml

Time

Response_

Signal: PQ070998.D\ECD1A.ch

#2 Decachlorobiphenyl



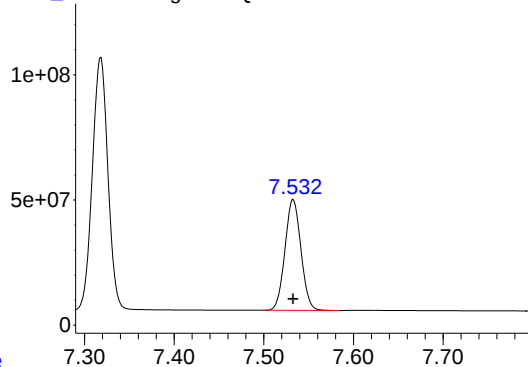
R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 301868295
Conc: 50.00 ng/ml

Time

Response_

Signal: PQ070998.D\ECD2B.ch

#2 Decachlorobiphenyl



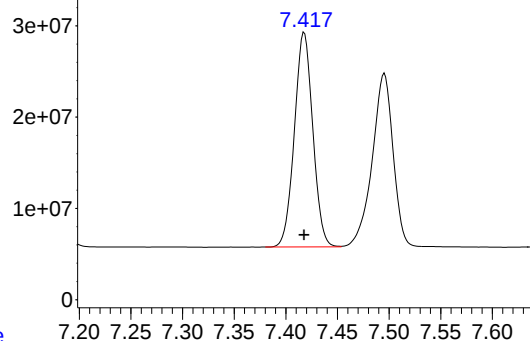
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 547076079
Conc: 50.00 ng/ml

Time

Response_

Signal: PQ070998.D\ECD1A.ch

#41 AR-1268-1



R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 291682733
Conc: 500.00 ng/ml

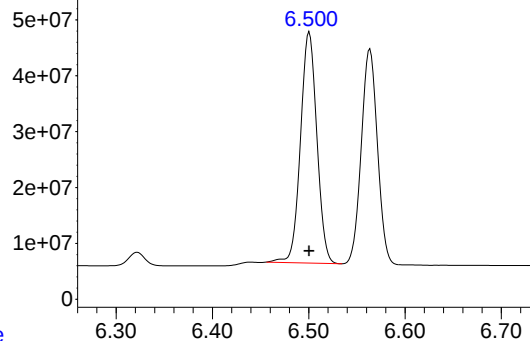
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PQ070998.D\ECD2B.ch

#41 AR-1268-1



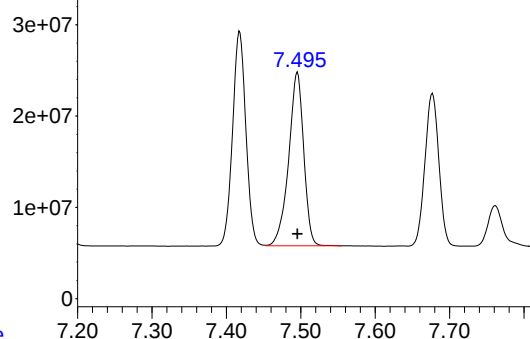
R.T.: 6.501 min
Delta R.T.: 0.000 min
Response: 486826354
Conc: 500.00 ng/ml

Time

Response_

Signal: PQ070998.D\ECD1A.ch

#42 AR-1268-2



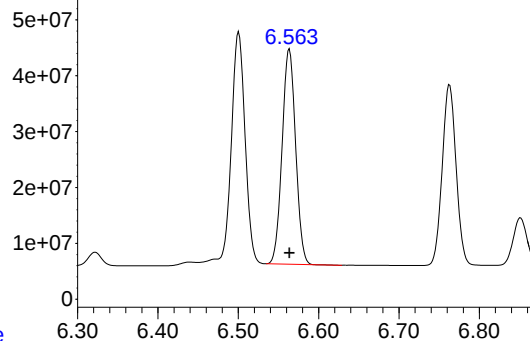
R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 267037614
Conc: 500.00 ng/ml

Time

Response_

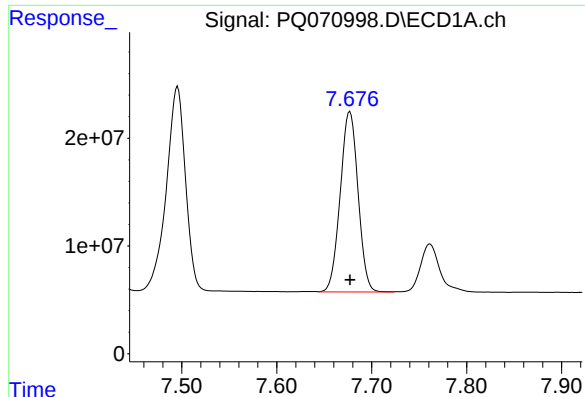
Signal: PQ070998.D\ECD2B.ch

#42 AR-1268-2



R.T.: 6.564 min
Delta R.T.: 0.000 min
Response: 450297458
Conc: 500.00 ng/ml

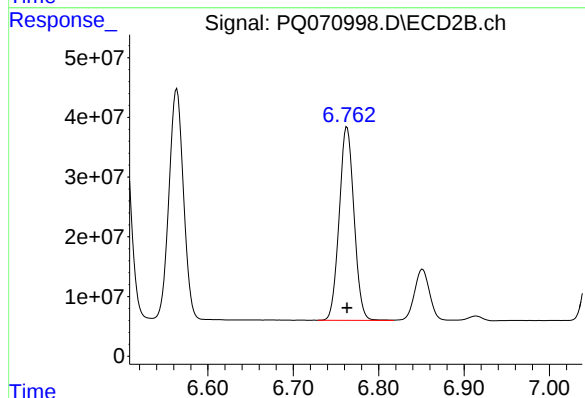
Time



#43 AR-1268-3

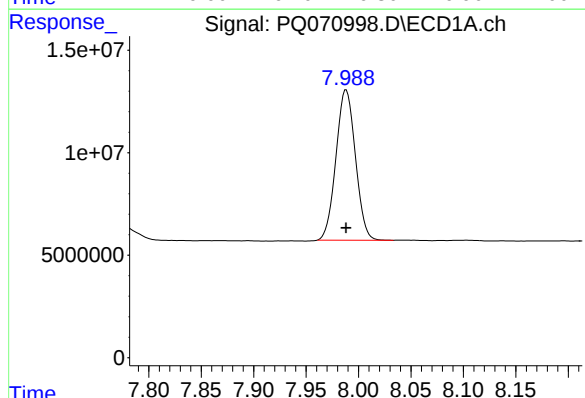
R.T.: 7.677 min
Delta R.T.: 0.000 min
Response: 218323049
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500



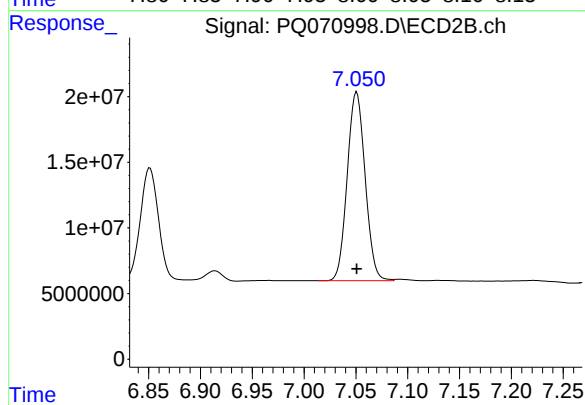
#43 AR-1268-3

R.T.: 6.763 min
Delta R.T.: 0.000 min
Response: 389807807
Conc: 500.00 ng/ml



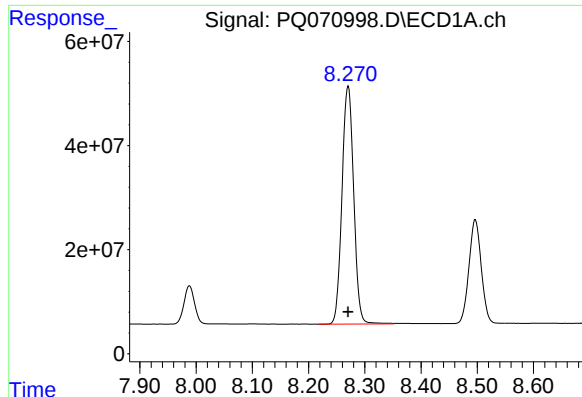
#44 AR-1268-4

R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 94812460
Conc: 500.00 ng/ml



#44 AR-1268-4

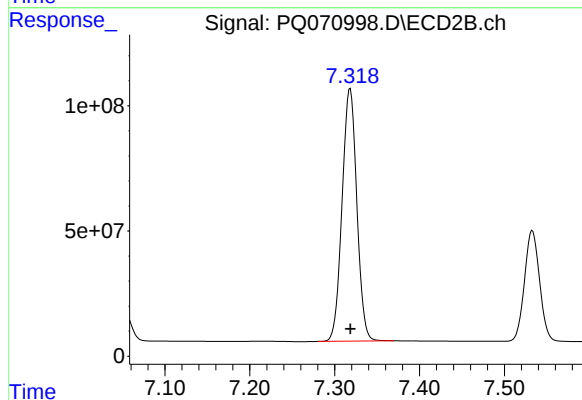
R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 172818331
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 660690181
Conc: 500.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 7.318 min
Delta R.T.: 0.000 min
Response: 1216236053
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:28
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 16:50:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 16:41:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	124.1E6	145.7E6	25.476	25.482
2) SA Decachlor...	8.496	7.533	154.8E6	281.7E6	25.909	25.997
Target Compounds						
41) L9 AR-1268-1	7.418	6.500	149.5E6	243.6E6	258.947	253.674
42) L9 AR-1268-2	7.495	6.563	136.5E6	226.7E6	258.257	254.883
43) L9 AR-1268-3	7.677	6.763	110.8E6	198.0E6	257.143	256.485
44) L9 AR-1268-4	7.988	7.051	48417432	89098499	258.848	259.826
45) L9 AR-1268-5	8.270	7.317	331.6E6	607.0E6	253.196	251.413

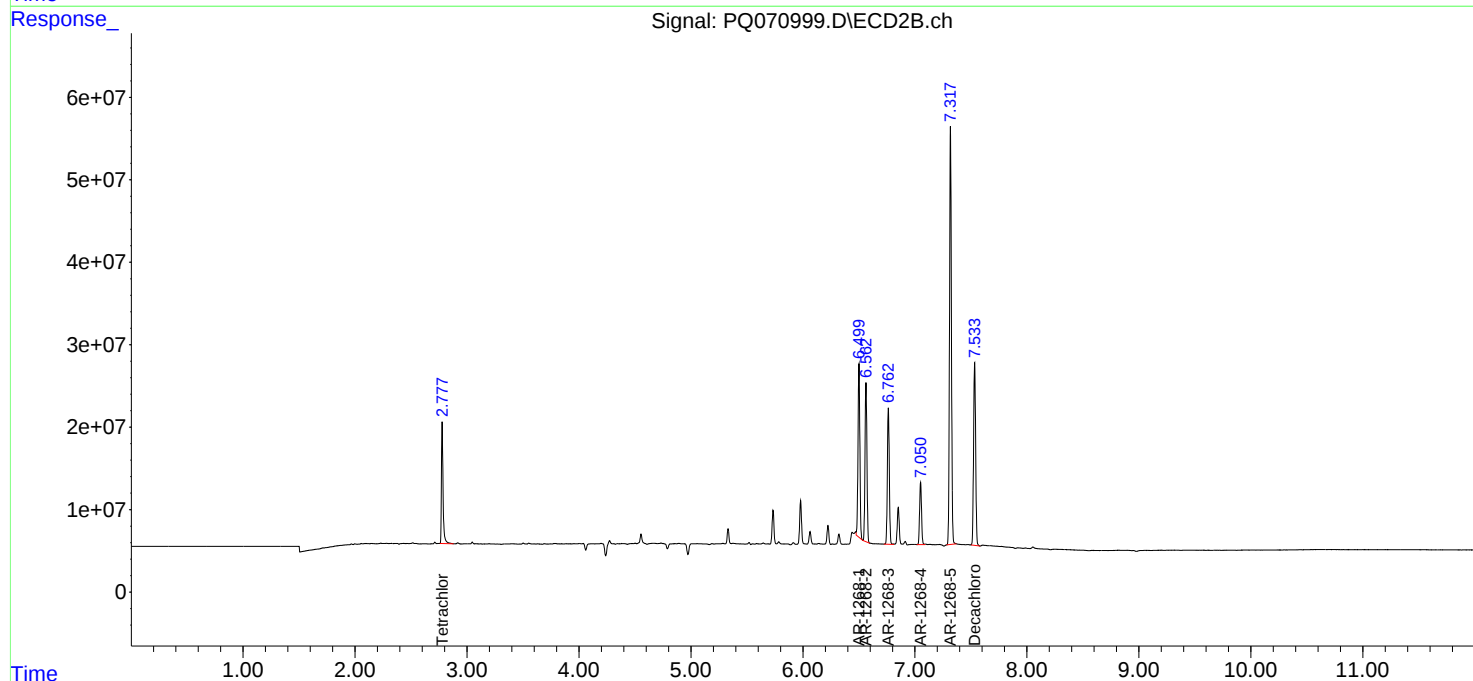
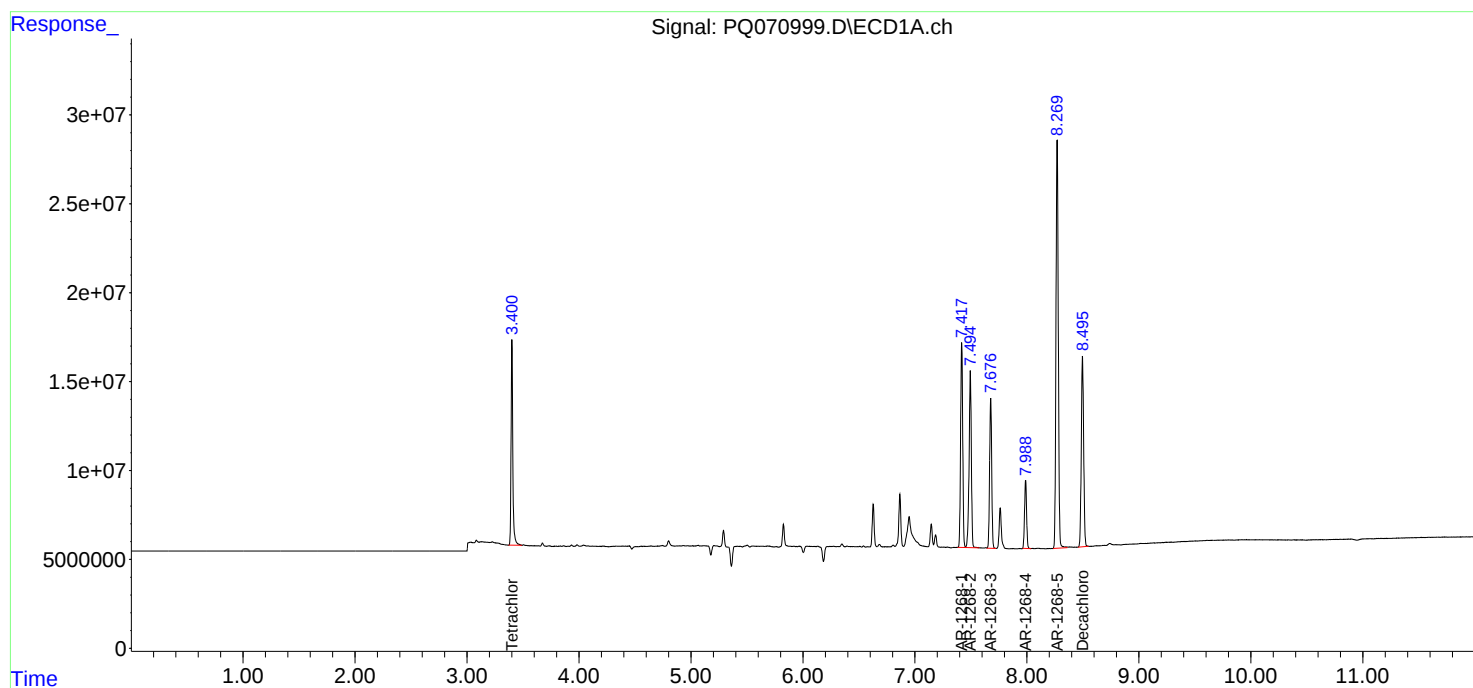
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

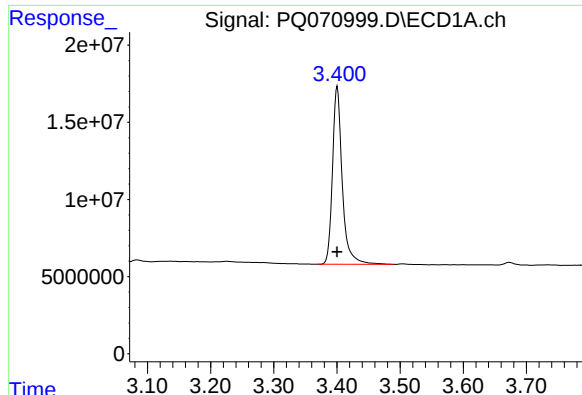
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:28
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 16:50:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 16:41:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

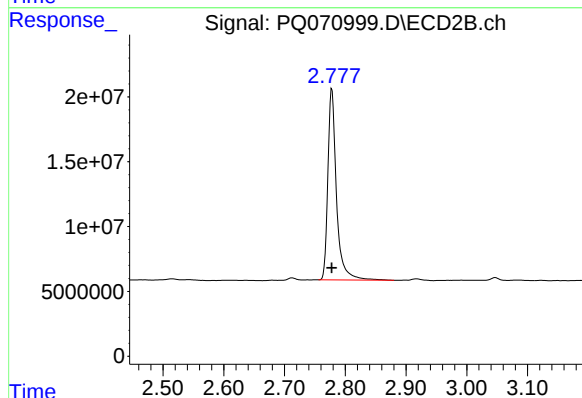




#1 Tetrachloro-m-xylene

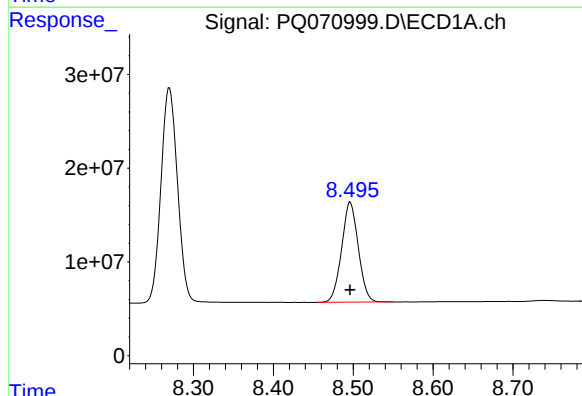
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 124113048
Conc: 25.48 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC250



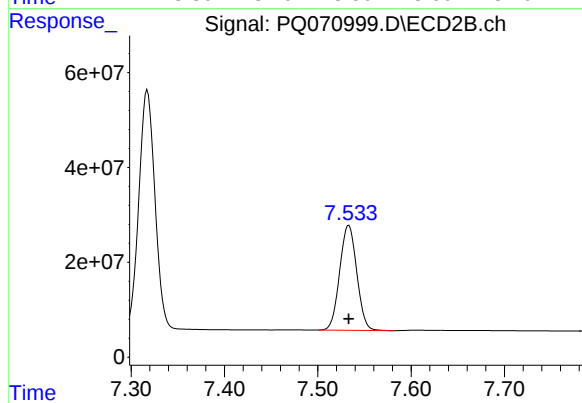
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 145711594
Conc: 25.48 ng/ml



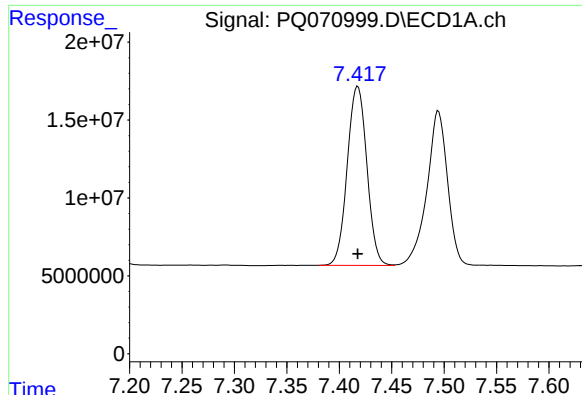
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 154811101
Conc: 25.91 ng/ml



#2 Decachlorobiphenyl

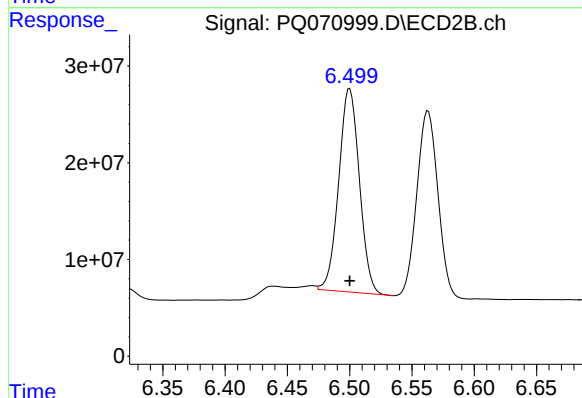
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 281733949
Conc: 26.00 ng/ml



#41 AR-1268-1

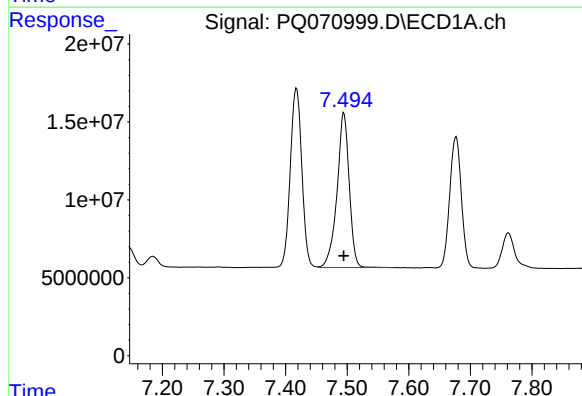
R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 149503784
Conc: 258.95 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC250



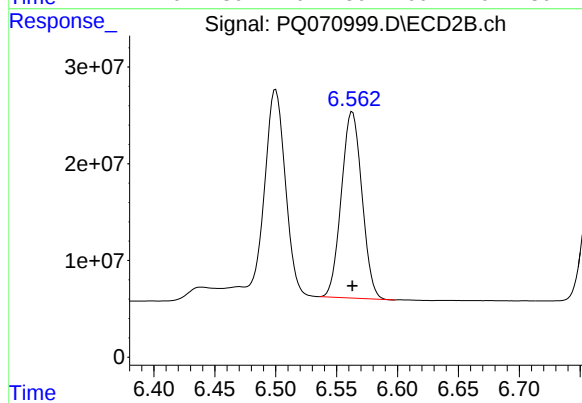
#41 AR-1268-1

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 243605830
Conc: 253.67 ng/ml



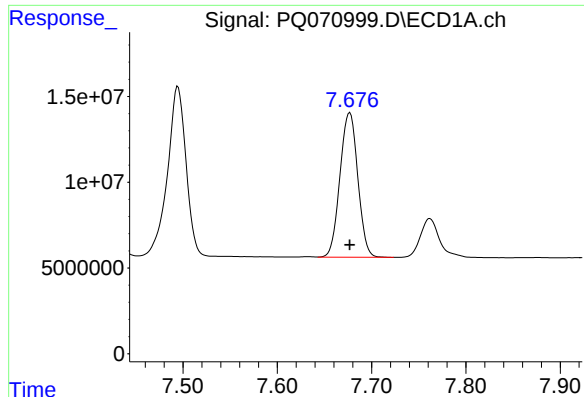
#42 AR-1268-2

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 136525117
Conc: 258.26 ng/ml



#42 AR-1268-2

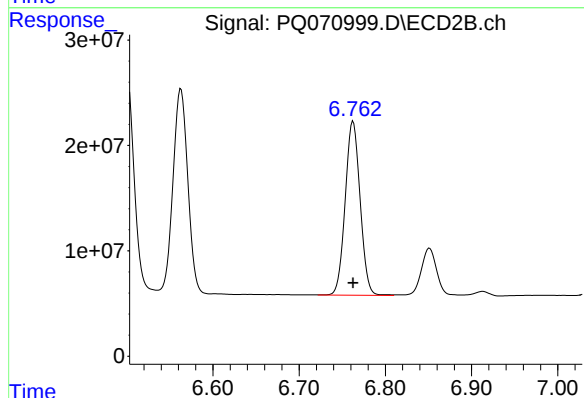
R.T.: 6.563 min
Delta R.T.: 0.000 min
Response: 226675271
Conc: 254.88 ng/ml



#43 AR-1268-3

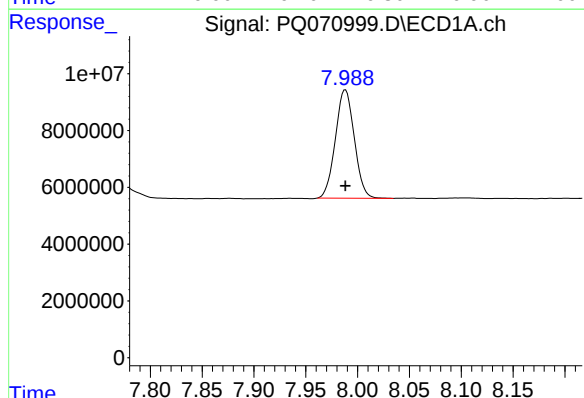
R.T.: 7.677 min
Delta R.T.: 0.000 min
Response: 110831298
Conc: 257.14 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC250



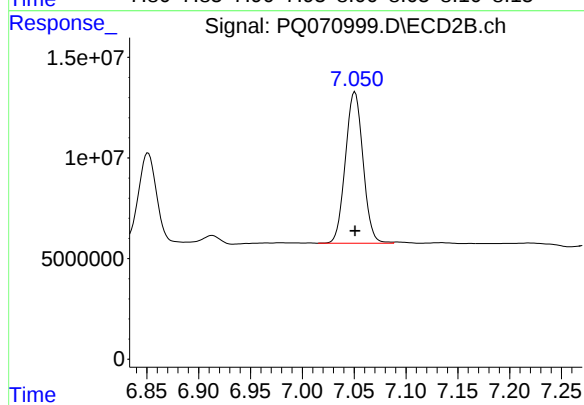
#43 AR-1268-3

R.T.: 6.763 min
Delta R.T.: 0.000 min
Response: 197955027
Conc: 256.49 ng/ml



#44 AR-1268-4

R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 48417432
Conc: 258.85 ng/ml



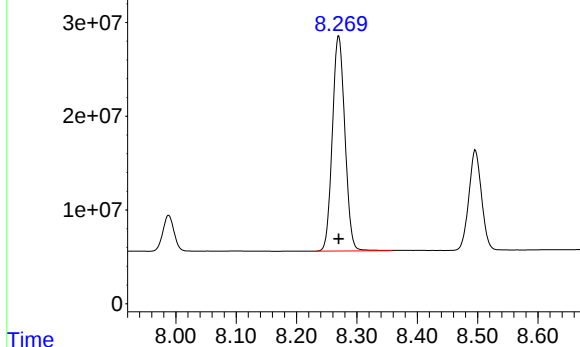
#44 AR-1268-4

R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 89098499
Conc: 259.83 ng/ml

Response_

Signal: PQ070999.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.270 min
Delta R.T.: 0.000 min
Response: 331628529
Conc: 253.20 ng/ml

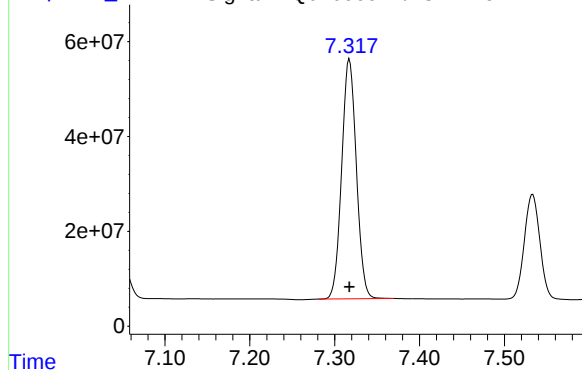
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC250

Time

Response_

Signal: PQ070999.D\ECD2B.ch

#45 AR-1268-5



R.T.: 7.317 min
Delta R.T.: 0.000 min
Response: 606999218
Conc: 251.41 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:43
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 17:16:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 17:16:19 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...	3.400	2.778	24662420	28347182	5.050	4.966
2) SA Decachlor...	8.497	7.533	31115212	59480232	5.165	5.383
Target Compounds						
41) L9 AR-1268-1	7.418	6.500	30187398	51549310	51.812	52.901
42) L9 AR-1268-2	7.495	6.563	26994207	46812925	50.847	52.089
43) L9 AR-1268-3	7.676	6.763	22122982	41071128	51.057	52.539
44) L9 AR-1268-4	7.989	7.050	9507758	17547775	50.662	50.933
45) L9 AR-1268-5	8.271	7.317	65947884	122.2E6	50.280	50.497

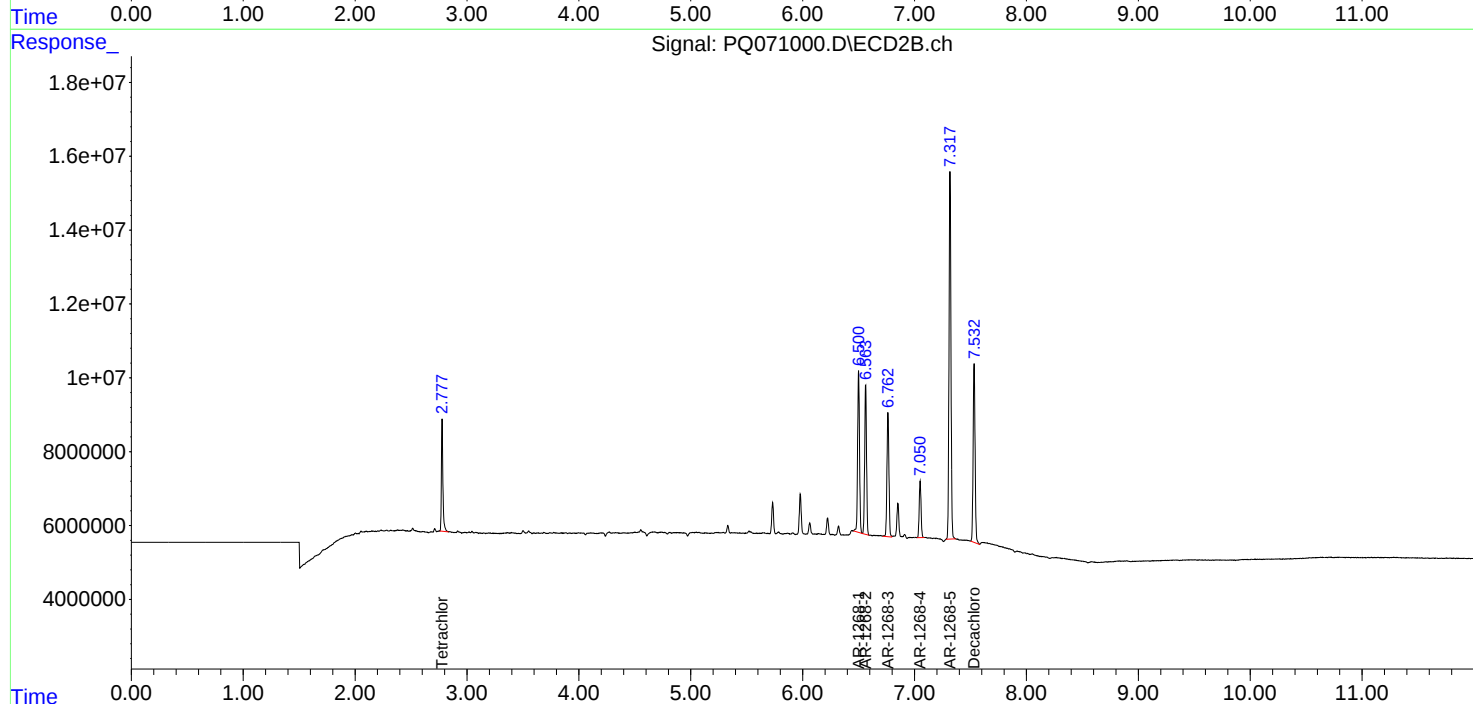
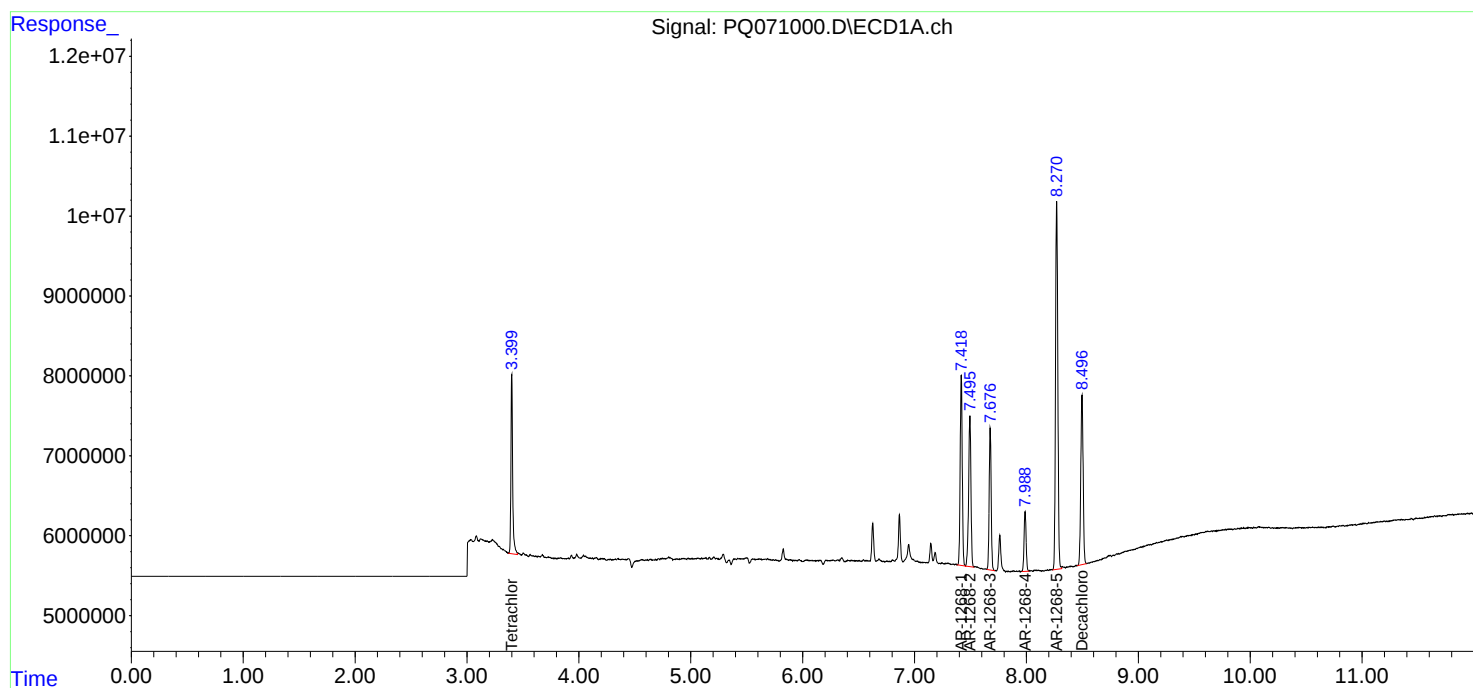
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

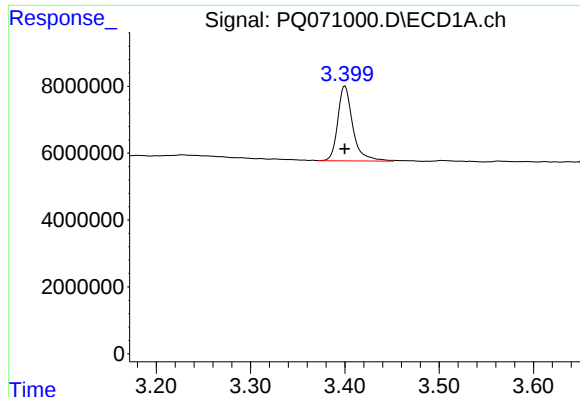
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:43
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 17:16:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 17:16:19 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

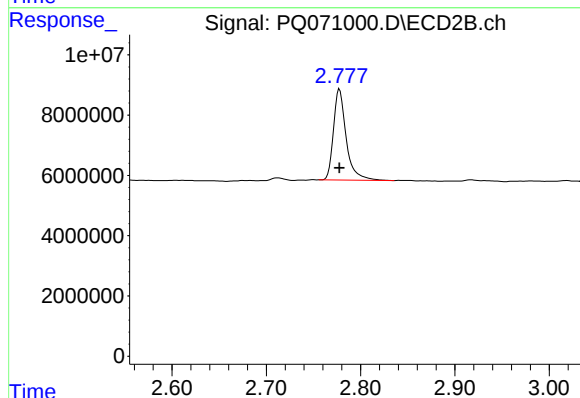




#1 Tetrachloro-m-xylene

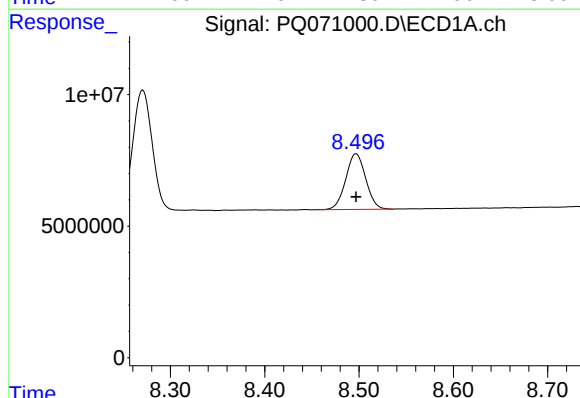
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 24662420
Conc: 5.05 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC050



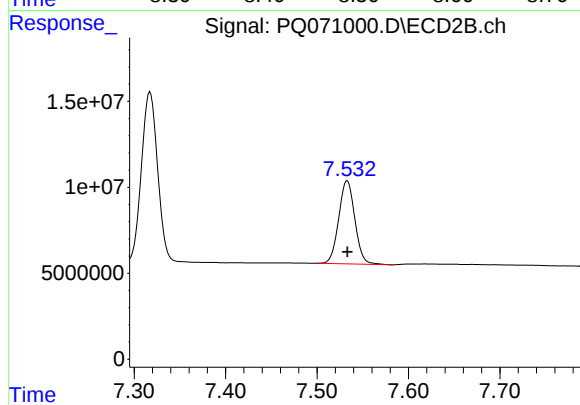
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 28347182
Conc: 4.97 ng/ml



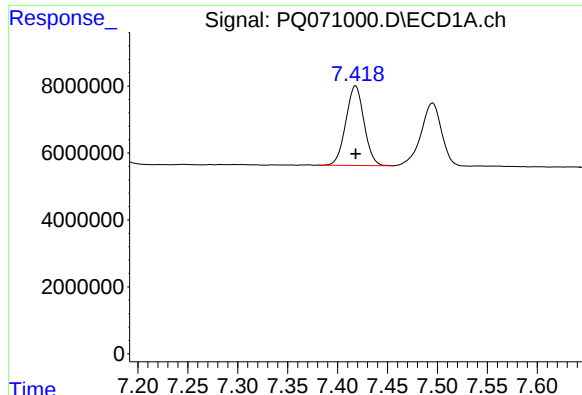
#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 31115212
Conc: 5.16 ng/ml



#2 Decachlorobiphenyl

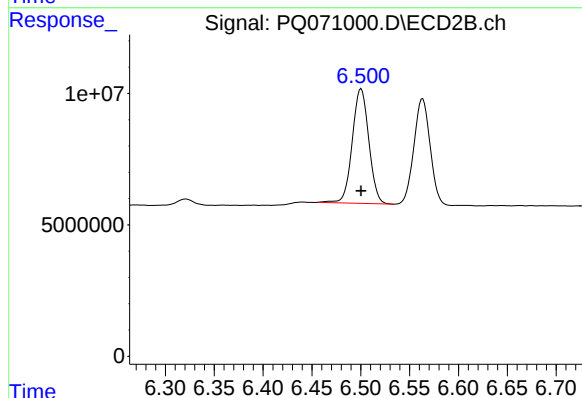
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 59480232
Conc: 5.38 ng/ml



#41 AR-1268-1

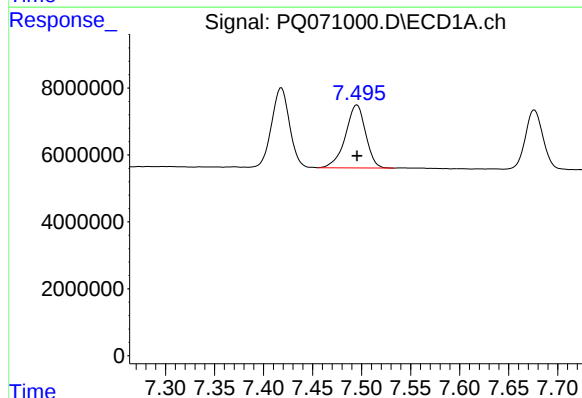
R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 30187398
Conc: 51.81 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC050



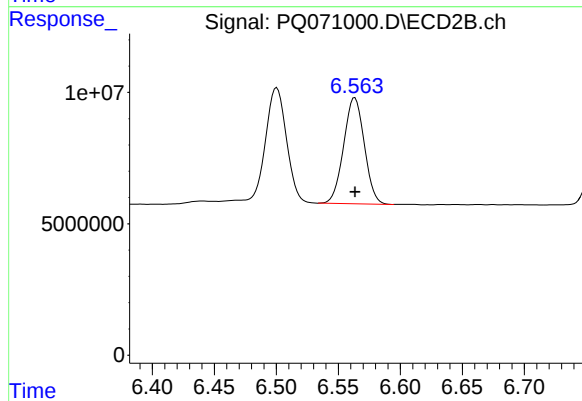
#41 AR-1268-1

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 51549310
Conc: 52.90 ng/ml



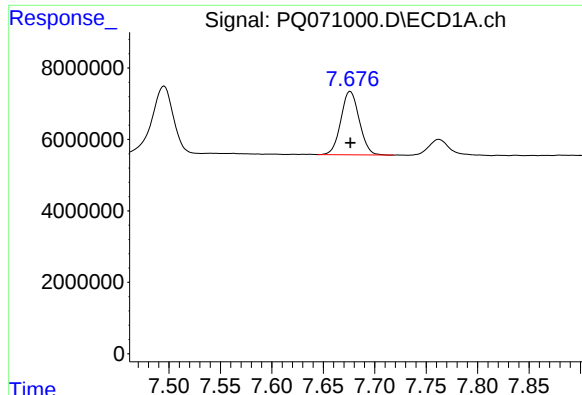
#42 AR-1268-2

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 26994207
Conc: 50.85 ng/ml



#42 AR-1268-2

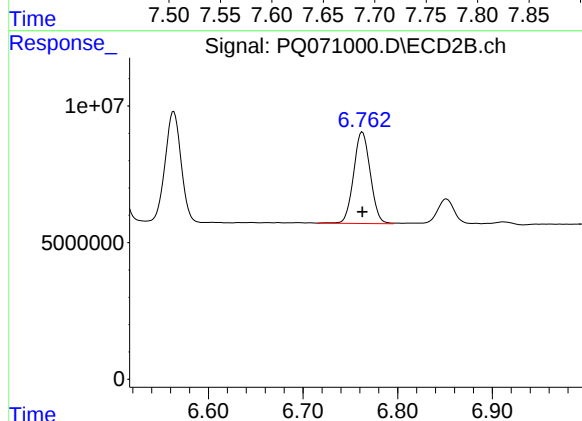
R.T.: 6.563 min
Delta R.T.: 0.000 min
Response: 46812925
Conc: 52.09 ng/ml



#43 AR-1268-3

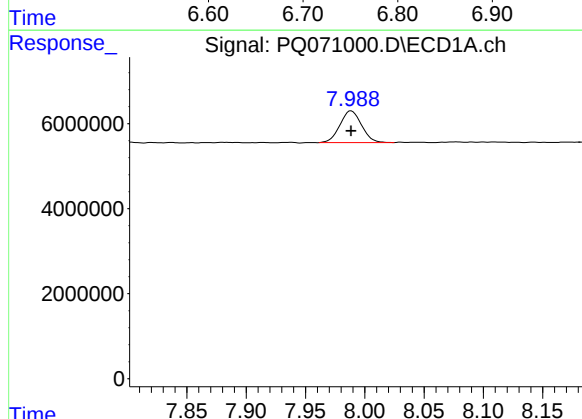
R.T.: 7.676 min
Delta R.T.: 0.000 min
Response: 22122982
Conc: 51.06 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC050



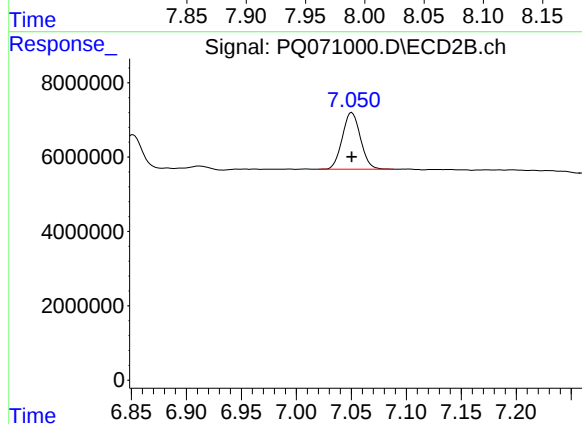
#43 AR-1268-3

R.T.: 6.763 min
Delta R.T.: 0.000 min
Response: 41071128
Conc: 52.54 ng/ml



#44 AR-1268-4

R.T.: 7.989 min
Delta R.T.: 0.000 min
Response: 9507758
Conc: 50.66 ng/ml



#44 AR-1268-4

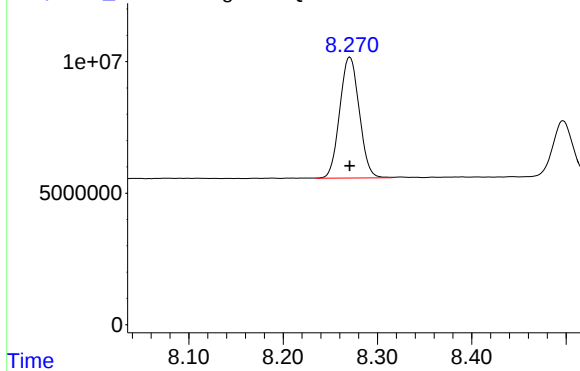
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 17547775
Conc: 50.93 ng/ml

Response_

Signal: PQ071000.D\ECD1A.ch

#45 AR-1268-5

ICAL Form



R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 65947884
Conc: 50.28 ng/ml

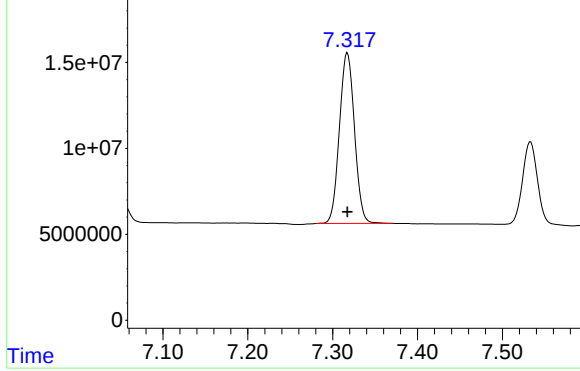
Instrument :
ECD_Q
ClientSampleId :
AR1268ICC050

Time

Response_

Signal: PQ071000.D\ECD2B.ch

#45 AR-1268-5



R.T.: 7.317 min
Delta R.T.: 0.000 min
Response: 122222176
Conc: 50.50 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
 Data File : PQ071001.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 16:57
 Operator : YP\AJ
 Sample : PQ101025ICV
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

ICVPQ101025

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/13/2025

Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 17:29:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Oct 10 17:24:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	237.3E6	265.1E6	54.558	52.183
2) SA Decachlor...	8.497	7.533	168.1E6	302.1E6	57.872	59.825
Target Compounds						
3) L1 AR-1016-1	4.480	3.777	84536347	121.7E6	515.013	543.285m
4) L1 AR-1016-2	4.499	3.792	137.9E6	157.0E6	537.936	461.544m
5) L1 AR-1016-3	4.556	3.953	86370882	89605925	542.809	492.722m
6) L1 AR-1016-4	4.646	4.001	72647096	77616175	559.128	493.075m
7) L1 AR-1016-5	4.931	4.196	71678763	95334887	556.500	496.945m
31) L7 AR-1260-1	6.019	5.188	124.6E6	179.0E6	531.360m	496.698m
32) L7 AR-1260-2	6.275	5.377	157.7E6	216.4E6	569.990m	491.786m
33) L7 AR-1260-3	6.627	5.518	115.0E6	195.1E6	576.989	470.083
34) L7 AR-1260-4	6.840	5.979	126.1E6	186.2E6	586.767	517.623
35) L7 AR-1260-5	7.146	6.224	259.3E6	433.0E6	597.827	515.349

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:57
Operator : YP\AJ
Sample : PQ101025ICV
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

ICVPQ101025

Manual Integrations

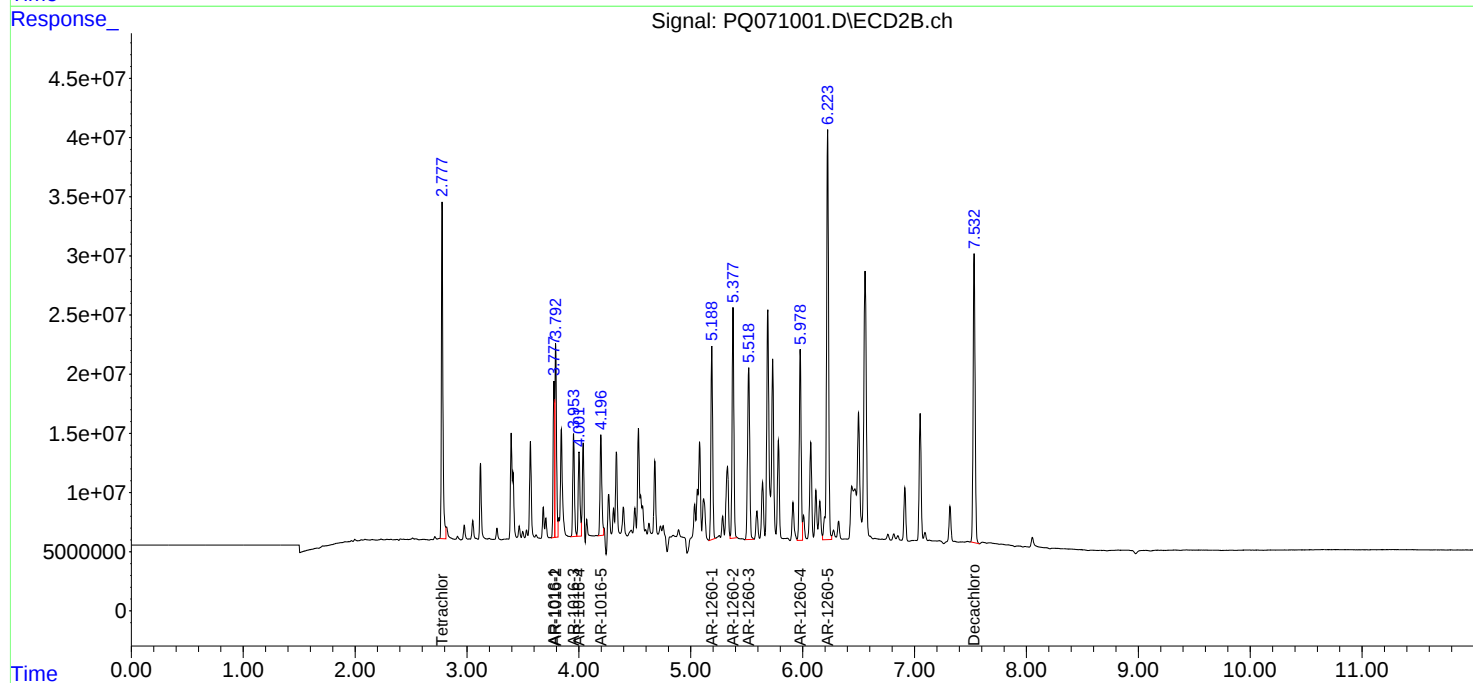
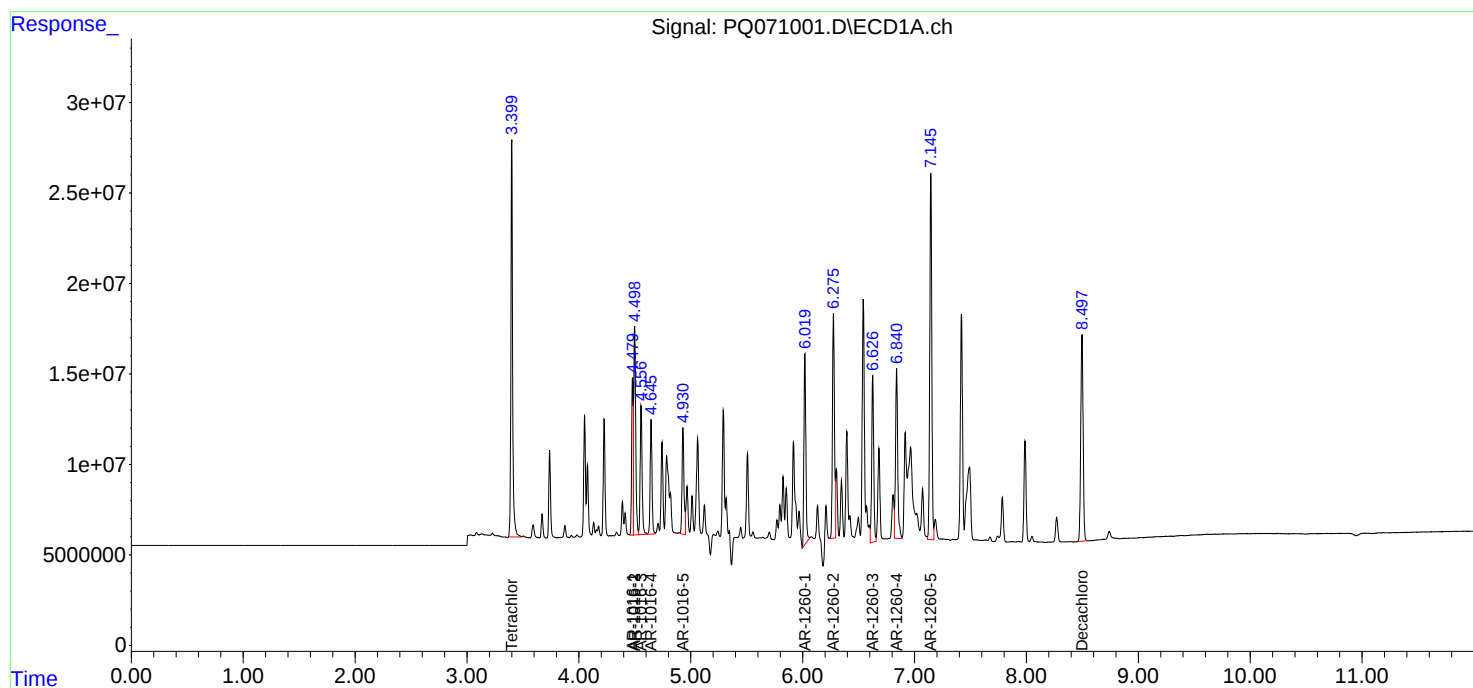
APPROVED

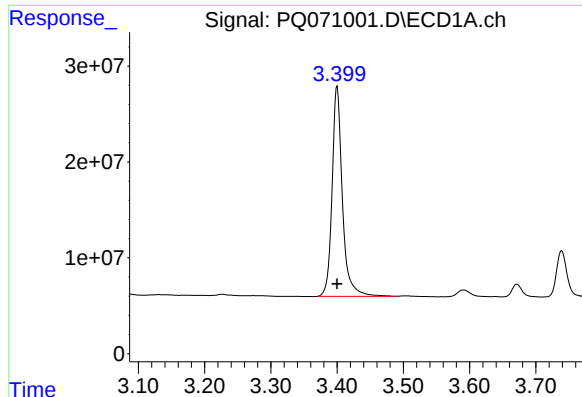
Reviewed By :Yogesh Patel 10/13/2025

Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 17:29:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 17:24:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 237342010
Conc: 54.56 ng/ml

Instrument :

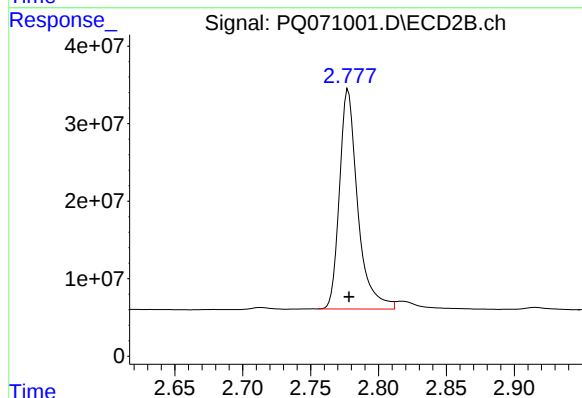
ECD_Q

ClientSampleId :

ICVPQ101025

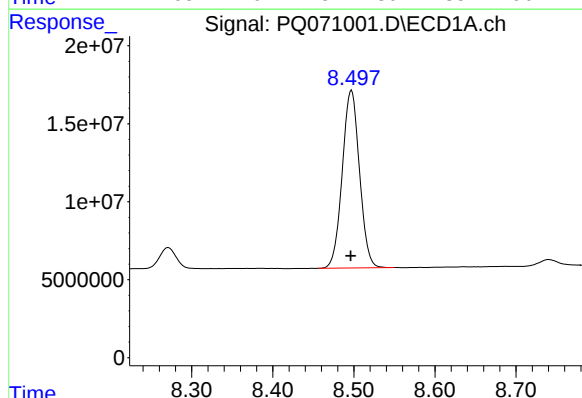
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



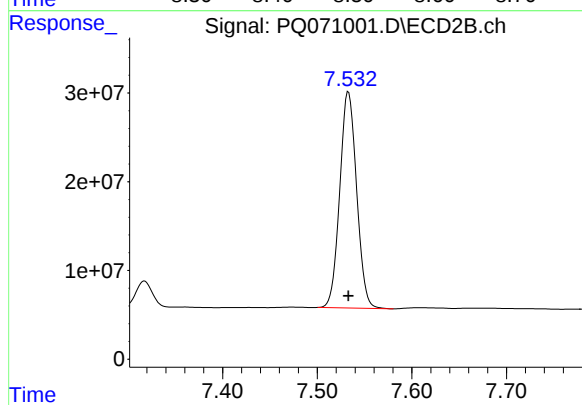
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 265088435
Conc: 52.18 ng/ml



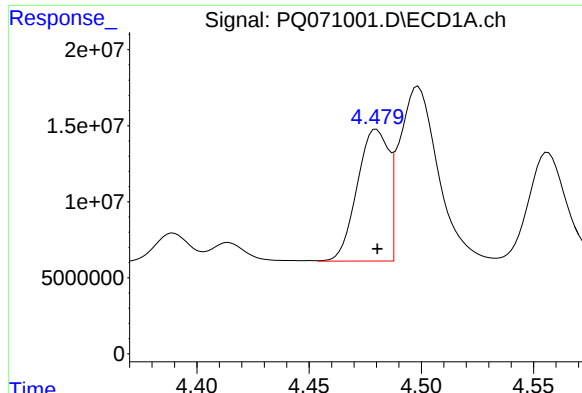
#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: 0.001 min
Response: 168058544
Conc: 57.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 302090515
Conc: 59.83 ng/ml



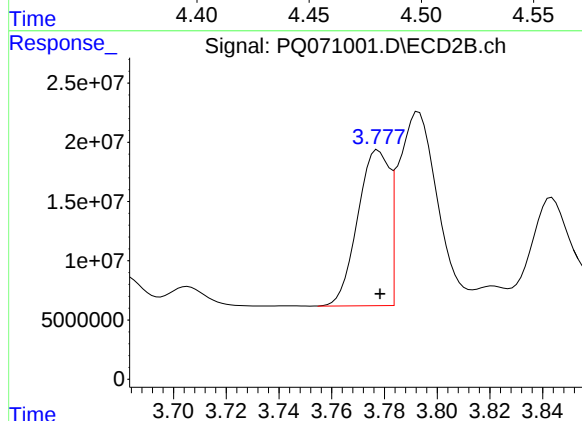
#3 AR-1016-1

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 84536347
Conc: 515.01 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025

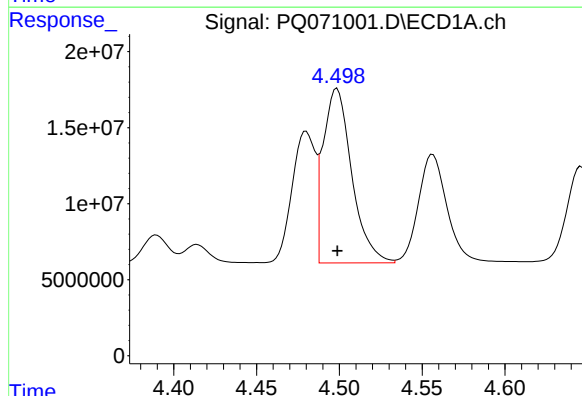
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



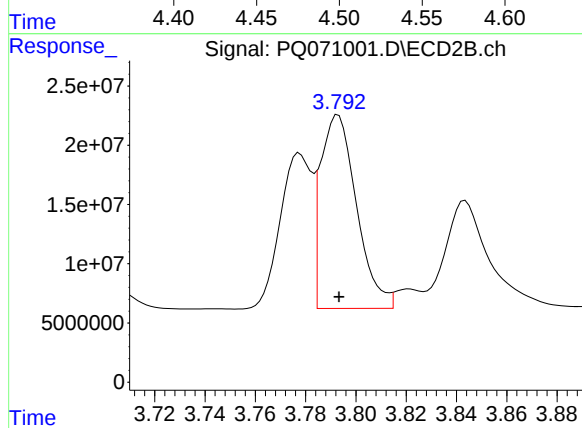
#3 AR-1016-1

R.T.: 3.777 min
Delta R.T.: -0.001 min
Response: 121697010
Conc: 543.29 ng/ml m



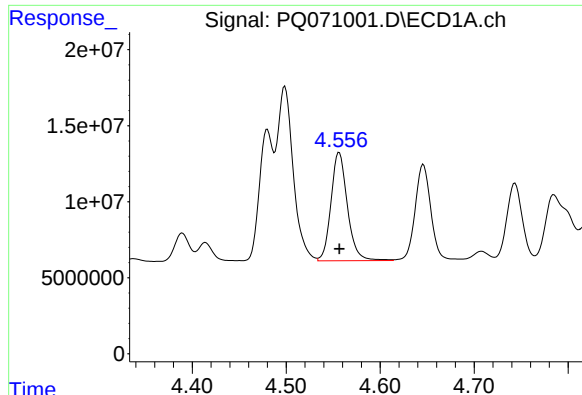
#4 AR-1016-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 137870017
Conc: 537.94 ng/ml



#4 AR-1016-2

R.T.: 3.792 min
Delta R.T.: -0.001 min
Response: 156981599
Conc: 461.54 ng/ml m



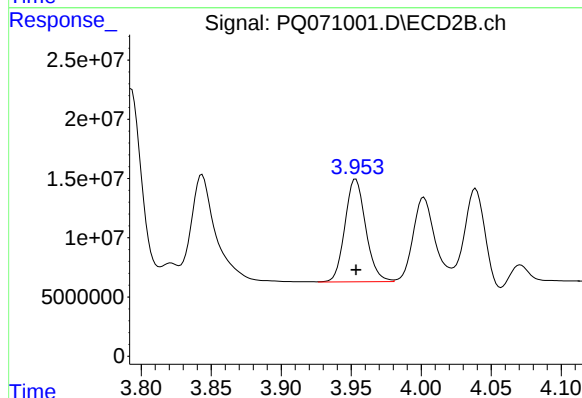
#5 AR-1016-3

R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 86370882
Conc: 542.81 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025

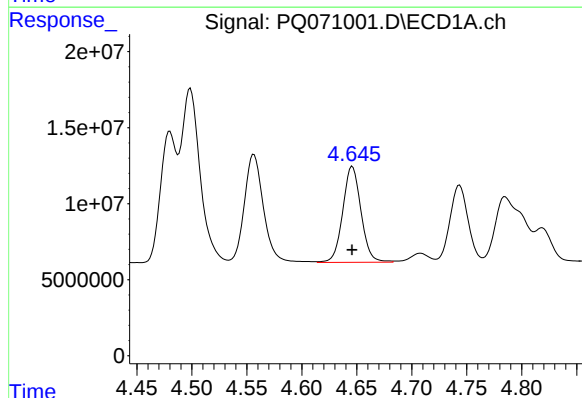
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



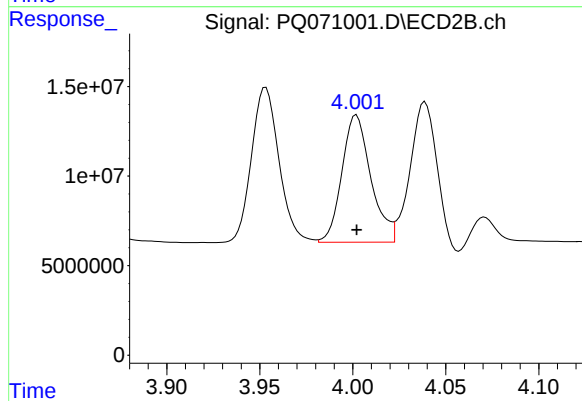
#5 AR-1016-3

R.T.: 3.953 min
Delta R.T.: 0.000 min
Response: 89605925
Conc: 492.72 ng/ml m



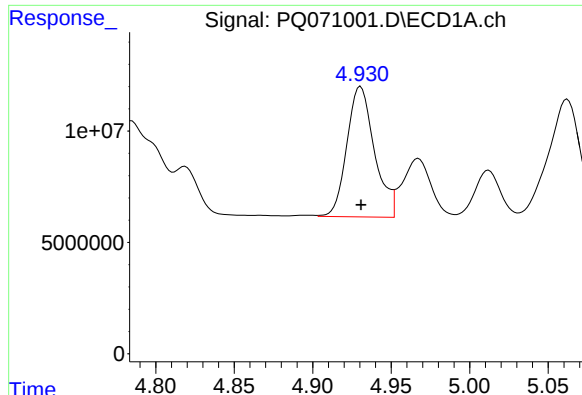
#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 72647096
Conc: 559.13 ng/ml



#6 AR-1016-4

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 77616175
Conc: 493.07 ng/ml m



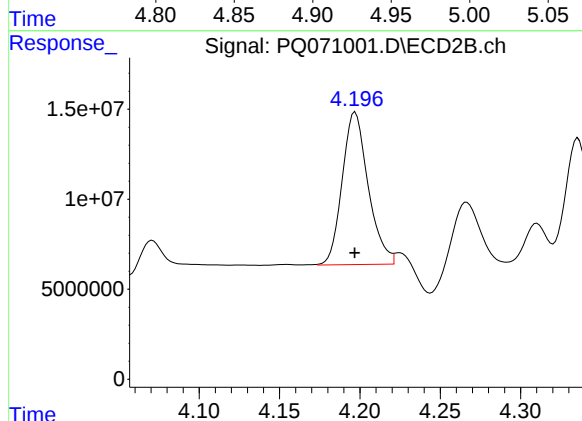
#7 AR-1016-5

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 71678763
Conc: 556.50 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025

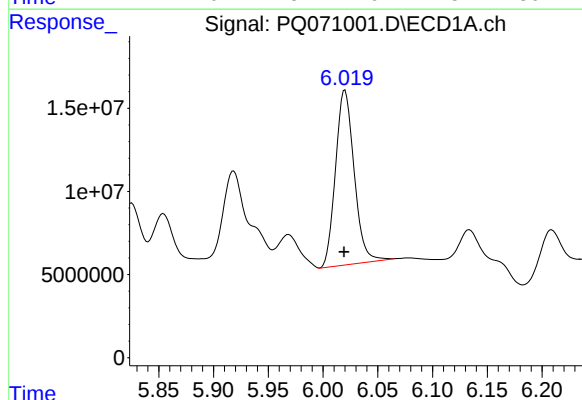
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



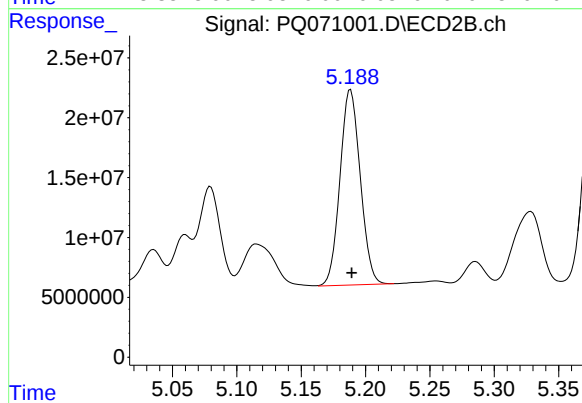
#7 AR-1016-5

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 95334887
Conc: 496.95 ng/ml m



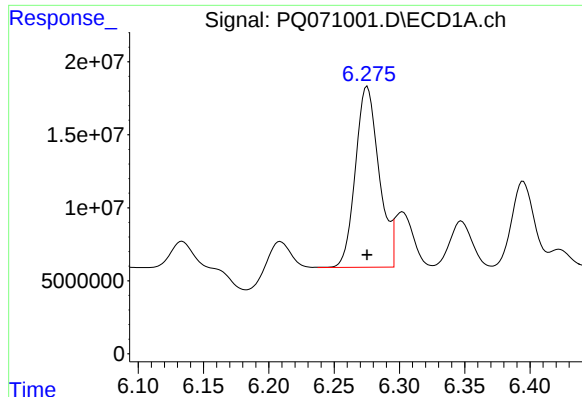
#31 AR-1260-1

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 124588657
Conc: 531.36 ng/ml m



#31 AR-1260-1

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 179013037
Conc: 496.70 ng/ml m



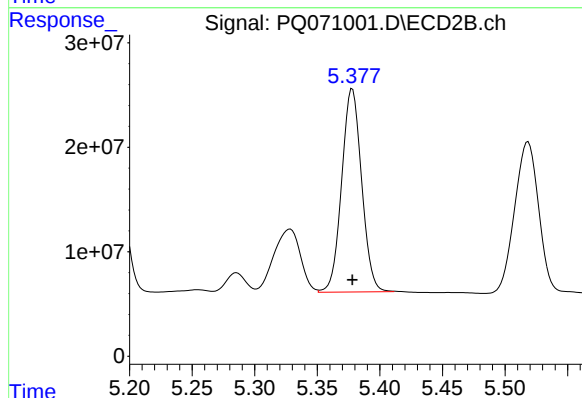
#32 AR-1260-2

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 157664225
Conc: 569.99 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025

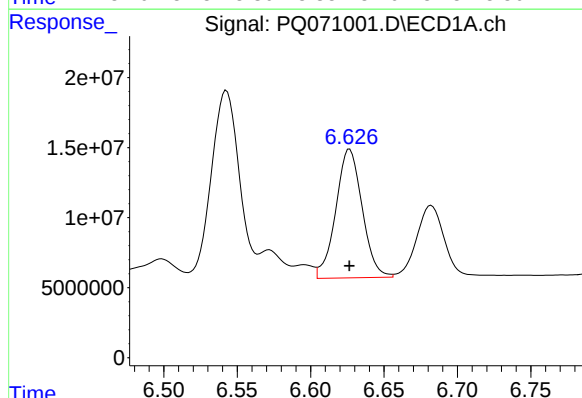
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



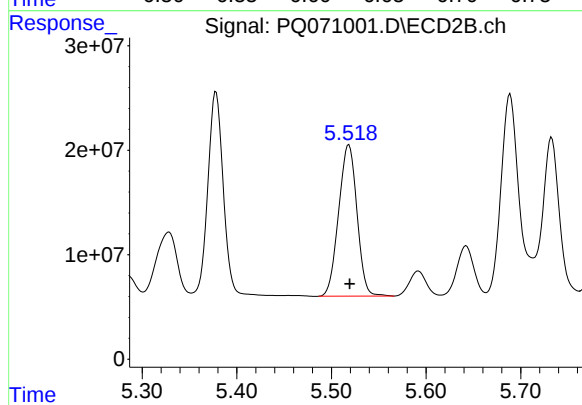
#32 AR-1260-2

R.T.: 5.377 min
Delta R.T.: 0.000 min
Response: 216382734
Conc: 491.79 ng/ml m



#33 AR-1260-3

R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 114998797
Conc: 576.99 ng/ml



#33 AR-1260-3

R.T.: 5.518 min
Delta R.T.: 0.000 min
Response: 195084285
Conc: 470.08 ng/ml

Response_ Signal: PQ071001.D\ECD1A.ch

#34 AR-1260-4

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 126086390
Conc: 586.77 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Time 6.65 6.70 6.75 6.80 6.85 6.90 6.95 7.00

Response_ Signal: PQ071001.D\ECD2B.ch

#34 AR-1260-4

R.T.: 5.979 min
Delta R.T.: 0.000 min
Response: 186221665
Conc: 517.62 ng/ml

Time 5.85 5.90 5.95 6.00 6.05 6.10

Response_ Signal: PQ071001.D\ECD1A.ch

#35 AR-1260-5

R.T.: 7.146 min
Delta R.T.: 0.001 min
Response: 259323595
Conc: 597.83 ng/ml

Time 7.00 7.05 7.10 7.15 7.20 7.25 7.30

Response_ Signal: PQ071001.D\ECD2B.ch

#35 AR-1260-5

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 433038147
Conc: 515.35 ng/ml

Time 6.00 6.10 6.20 6.30 6.40

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
 Data File : PQ071002.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 17:41
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ101025AR1242

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/13/2025
 Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 01:19:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Oct 11 01:16:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	255.6E6	301.0E6	55.692	54.076
2) SA Decachlor...	8.496	7.534	182.2E6	328.4E6	55.793	58.440
Target Compounds						
16) L4 AR-1242-1	4.480	3.778	67446984	88802083	567.010	545.258
17) L4 AR-1242-2	4.499	3.793	106.5E6	130.9E6	558.407	542.137
18) L4 AR-1242-3	4.556	3.952	65846450	69528801	553.814	527.451m
19) L4 AR-1242-4	4.646	4.039	55324188	66246241	555.710	578.219
20) L4 AR-1242-5	5.349	4.534	35965359	88786139	456.866	509.855

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:41
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

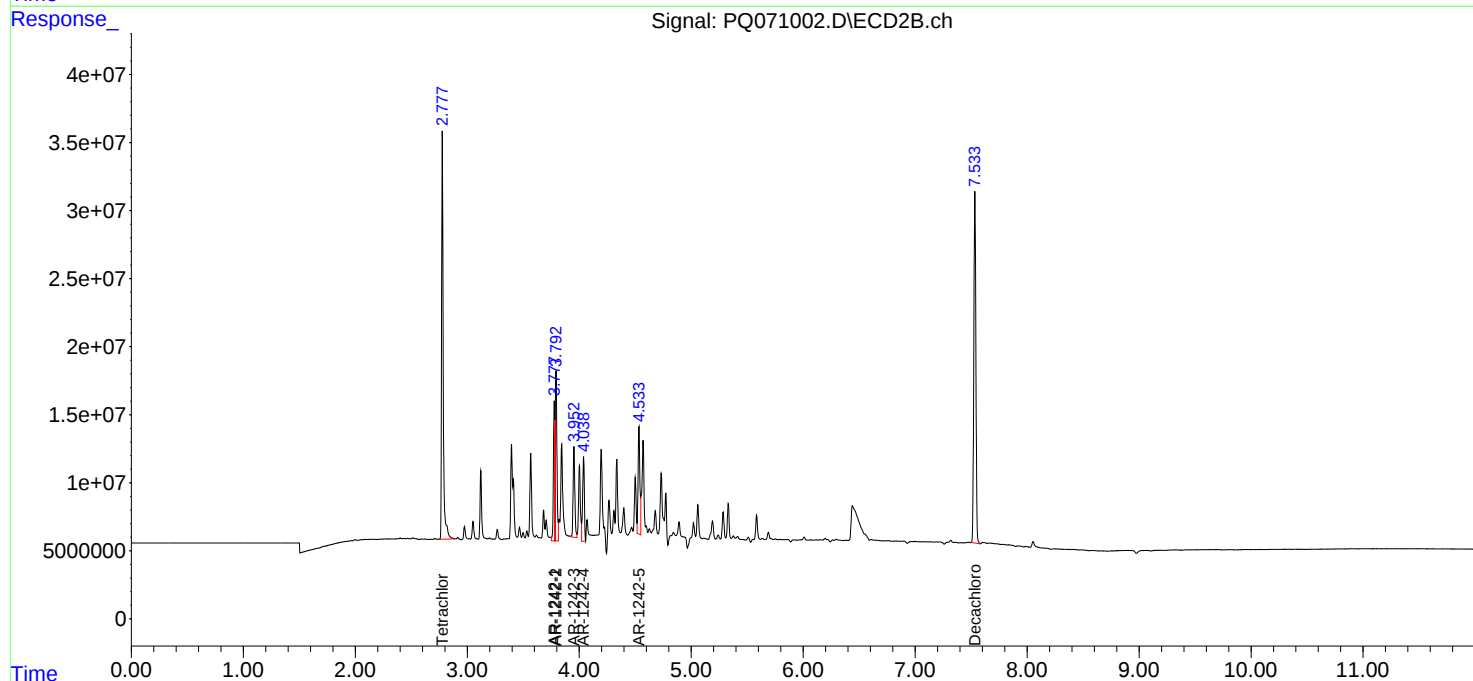
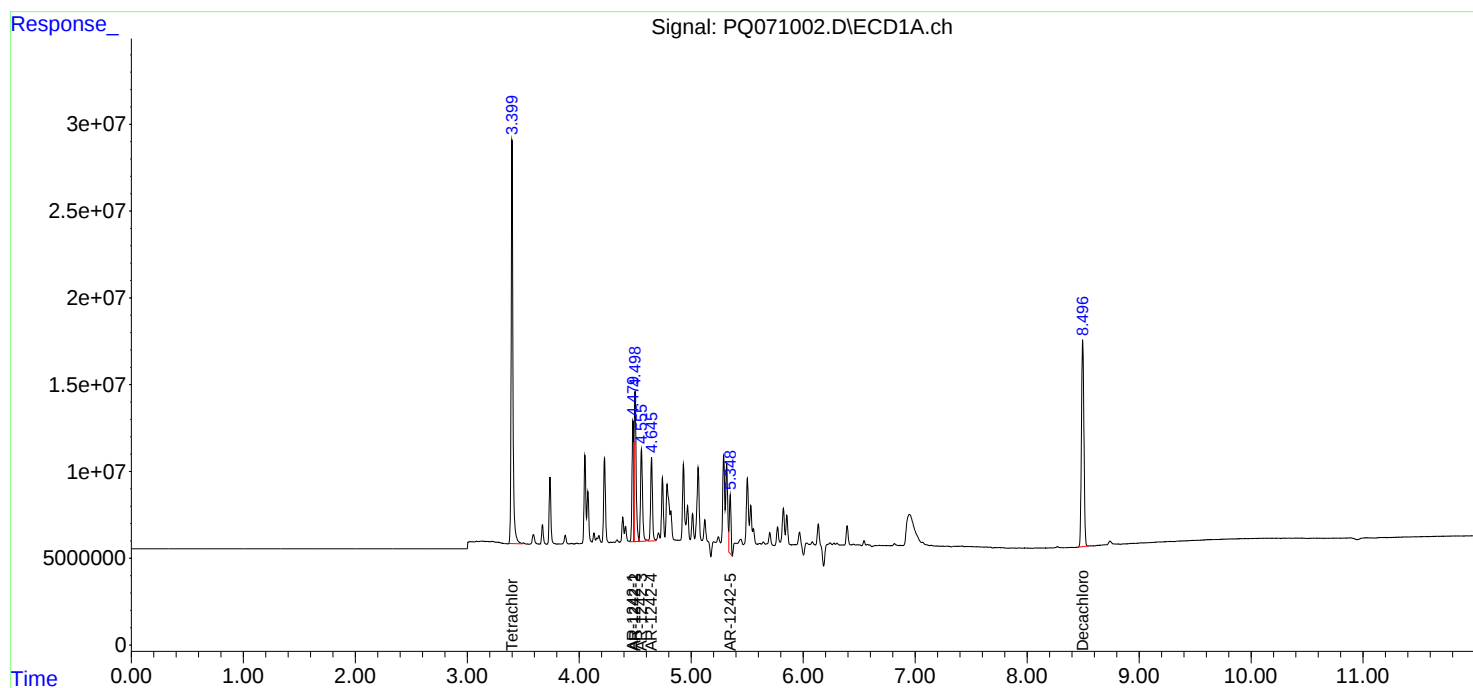
Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1242

Manual Integrations
APPROVED

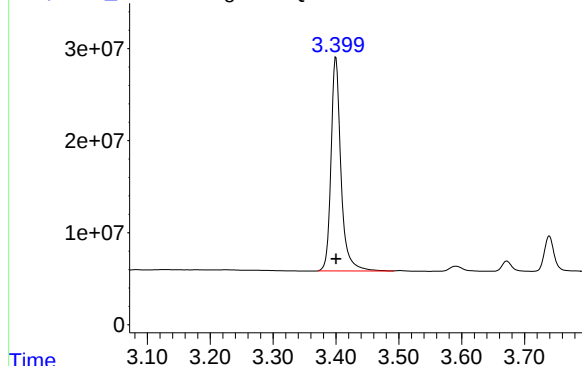
Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 01:19:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:16:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: PQ071002.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 255633420
Conc: 55.69 ng/ml

Instrument :

ECD_Q

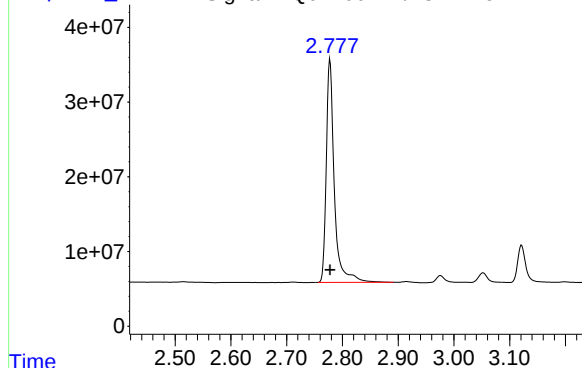
ClientSampleId :

ICVPQ101025AR1242

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

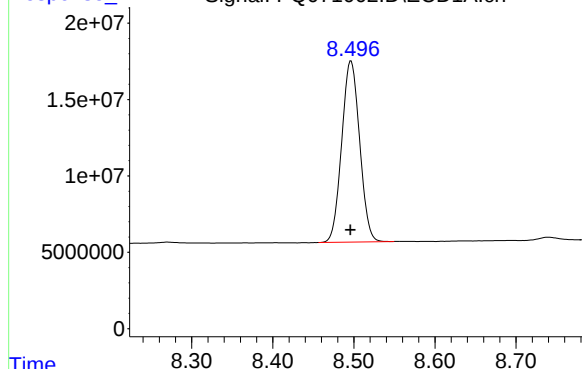
Time Response_ Signal: PQ071002.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 301010208
Conc: 54.08 ng/ml

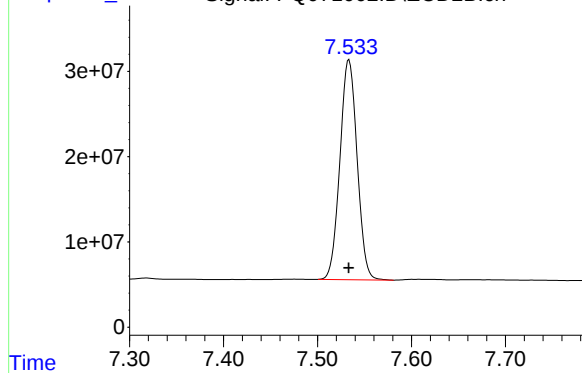
Time Response_ Signal: PQ071002.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 182166881
Conc: 55.79 ng/ml

Time Response_ Signal: PQ071002.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 7.534 min
Delta R.T.: 0.000 min
Response: 328407221
Conc: 58.44 ng/ml

Response_ Signal: PQ071002.D\ECD1A.ch

#16 AR-1242-1

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 67446984
Conc: 567.01 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1242

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#16 AR-1242-1

R.T.: 3.778 min
Delta R.T.: 0.000 min
Response: 88802083
Conc: 545.26 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#17 AR-1242-2

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 106495313
Conc: 558.41 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#17 AR-1242-2

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 130858283
Conc: 542.14 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

Time

Response_ Signal: PQ071002.D\ECD2B.ch

Time

Response_ Signal: PQ071002.D\ECD1A.ch

Time

Response_ Signal: PQ071002.D\ECD2B.ch

Time

Response_ Signal: PQ071002.D\ECD1A.ch

Time

Response_ Signal: PQ071002.D\ECD2B.ch

Time

Response_ Signal: PQ071002.D\ECD1A.ch

Time

Response_ Signal: PQ071002.D\ECD2B.ch

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#18 AR-1242-3

R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 65846450
Conc: 553.81 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1242

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#18 AR-1242-3

R.T.: 3.952 min
Delta R.T.: -0.002 min
Response: 69528801
Conc: 527.45 ng/ml m

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 55324188
Conc: 555.71 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 55324188
Conc: 555.71 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 55324188
Conc: 555.71 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 55324188
Conc: 555.71 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 55324188
Conc: 555.71 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD2B.ch

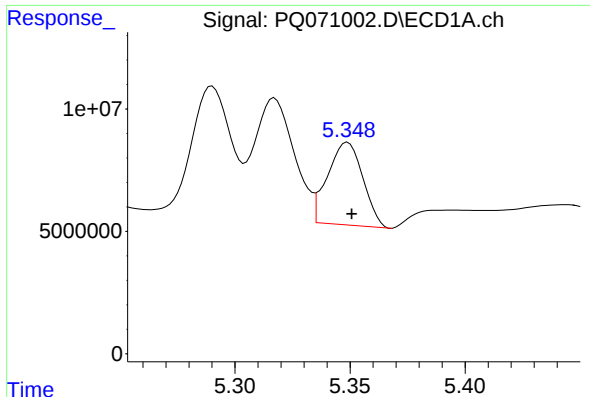
#19 AR-1242-4

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 66246241
Conc: 578.22 ng/ml

Time

Response_ Signal: PQ071002.D\ECD1A.ch

#19 AR-1242-4



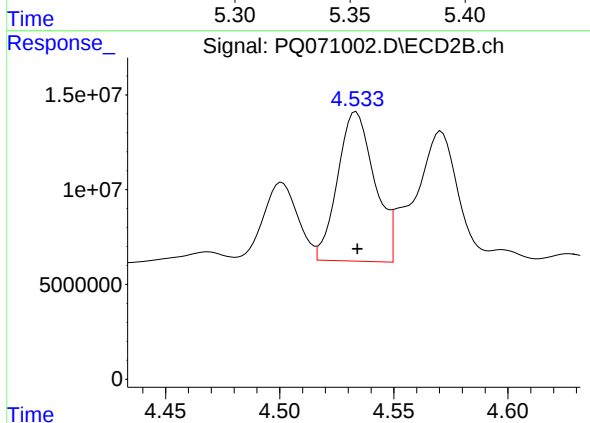
#20 AR-1242-5

R.T.: 5.349 min
Delta R.T.: -0.002 min
Response: 35965359
Conc: 456.87 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1242

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



#20 AR-1242-5

R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 88786139
Conc: 509.86 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 18:25
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1248

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 01:26:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:23:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	253.0E6	292.6E6	54.792	52.505
2) SA Decachlor...	8.497	7.534	179.8E6	324.3E6	54.114	56.854
Target Compounds						
21) L5 AR-1248-1	4.480	3.777	47223685	65282112	527.847	516.093
22) L5 AR-1248-2	4.743	4.002	73173417	97020820	536.277	514.526
23) L5 AR-1248-3	4.931	4.039	87732864	87534945	543.629	487.239
24) L5 AR-1248-4	5.317	4.196	98470443	117.2E6	567.576m	522.551m
25) L5 AR-1248-5	5.349	4.571	59958766	126.5E6	402.630m	543.081 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 18:25
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

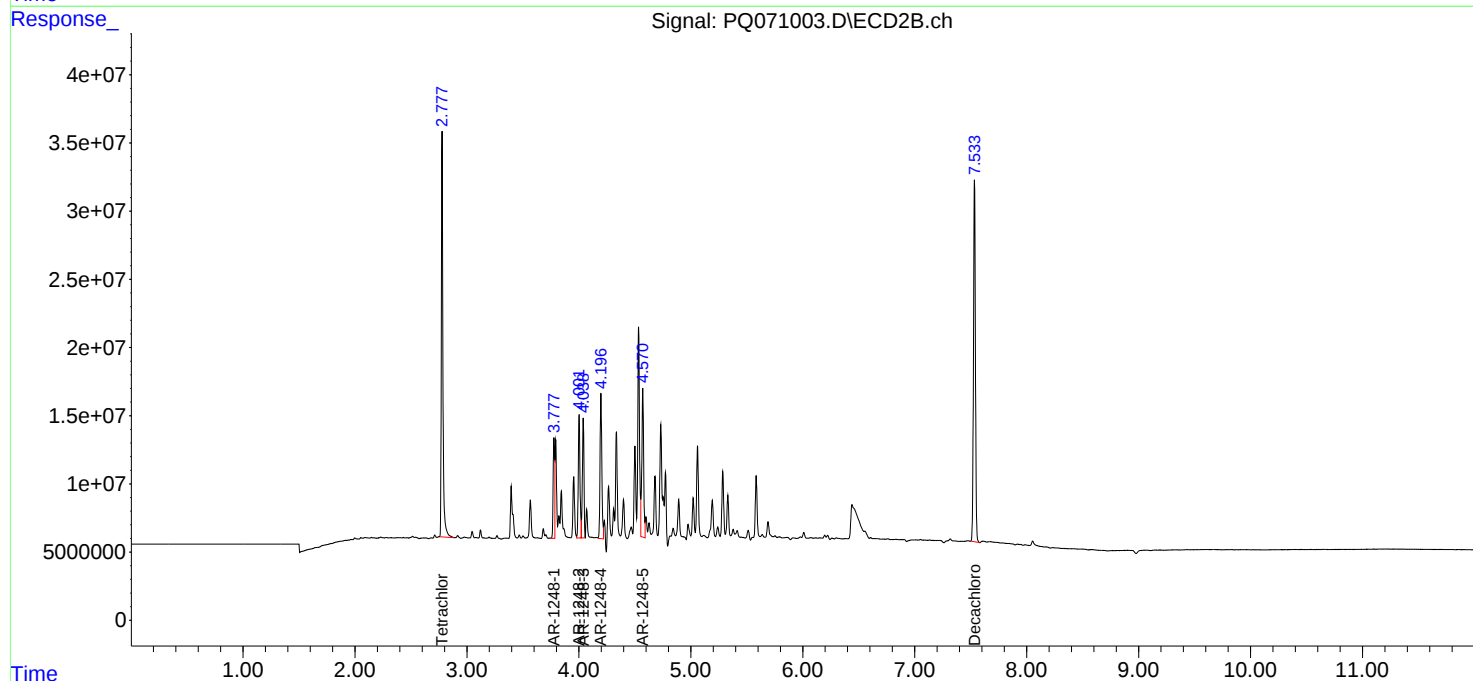
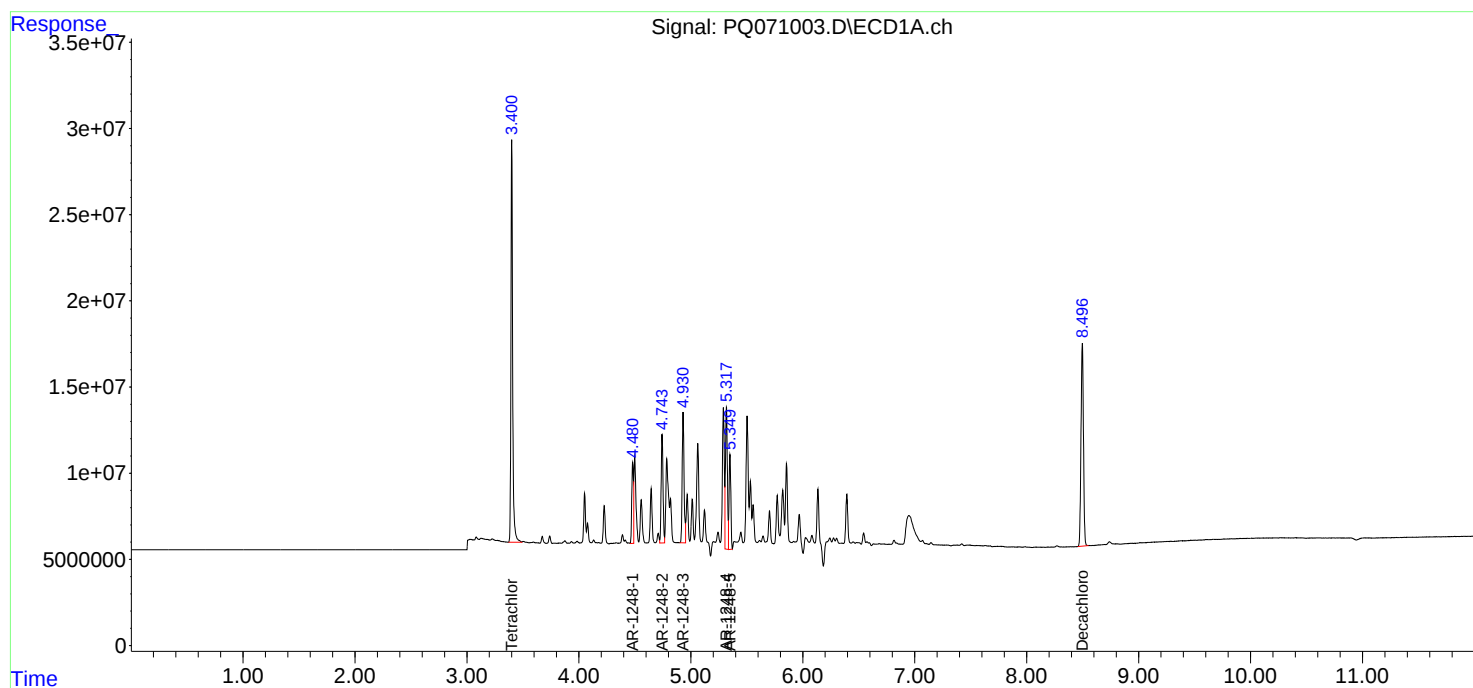
Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1248

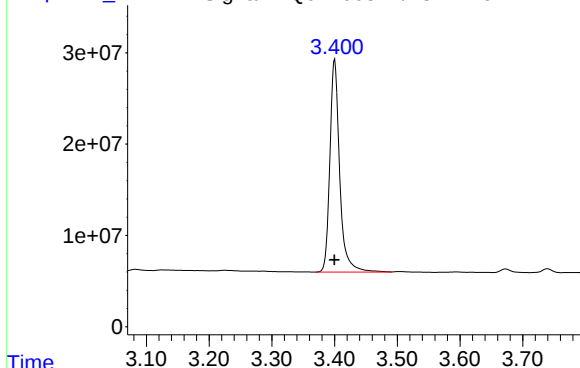
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 01:26:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:23:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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





R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 253021754
Conc: 54.79 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1248

Manual Integrations
APPROVED

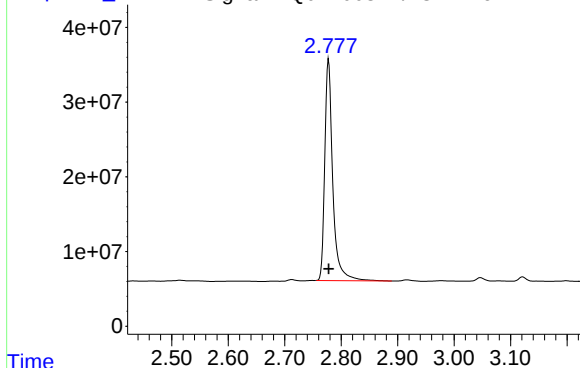
Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Time

Response_

Signal: PQ071003.D\ECD2B.ch

#1 Tetrachloro-m-xylene



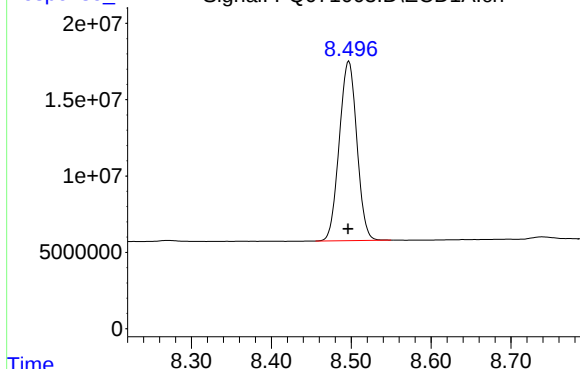
R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 292628939
Conc: 52.50 ng/ml

Time

Response_

Signal: PQ071003.D\ECD1A.ch

#2 Decachlorobiphenyl



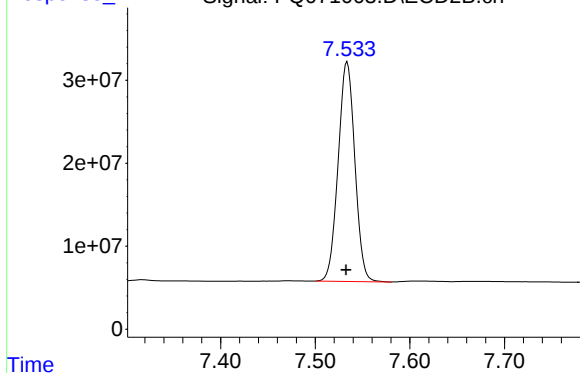
R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 179847567
Conc: 54.11 ng/ml

Time

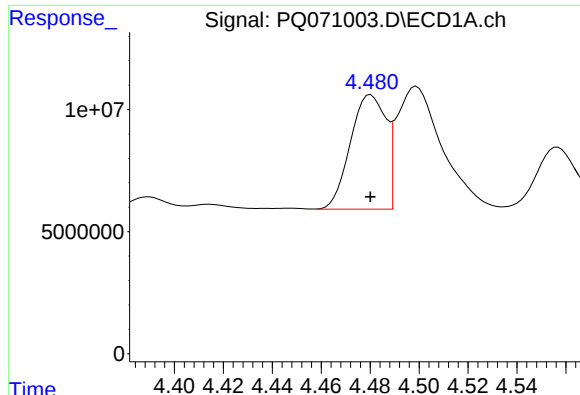
Response_

Signal: PQ071003.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 7.534 min
Delta R.T.: 0.001 min
Response: 324345066
Conc: 56.85 ng/ml



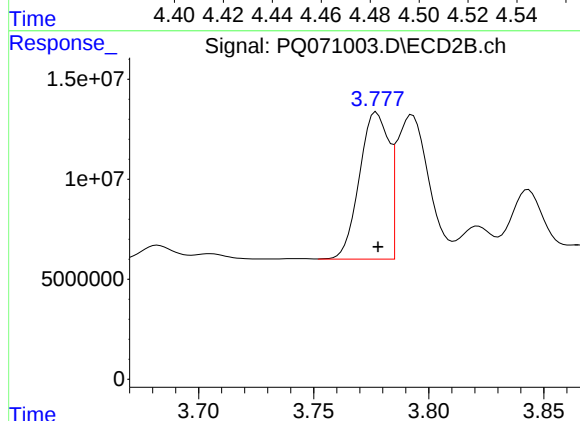
#21 AR-1248-1

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 47223685
Conc: 527.85 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1248

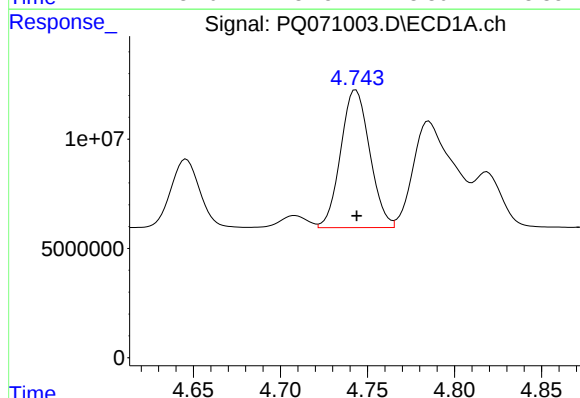
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



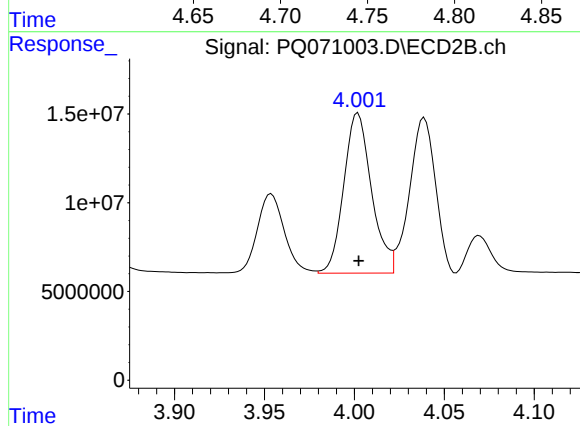
#21 AR-1248-1

R.T.: 3.777 min
Delta R.T.: 0.000 min
Response: 65282112
Conc: 516.09 ng/ml



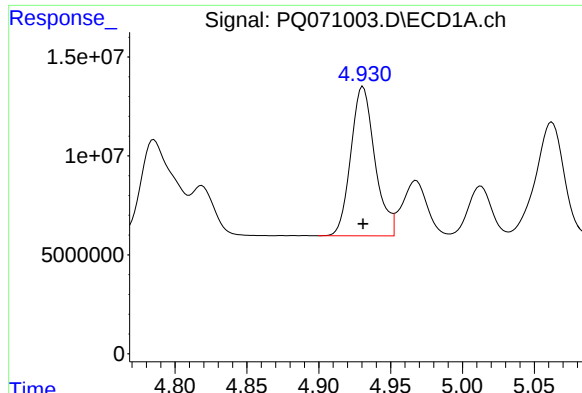
#22 AR-1248-2

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 73173417
Conc: 536.28 ng/ml



#22 AR-1248-2

R.T.: 4.002 min
Delta R.T.: 0.000 min
Response: 97020820
Conc: 514.53 ng/ml



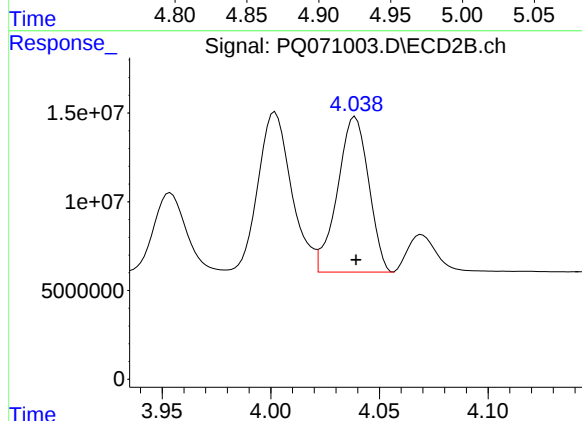
#23 AR-1248-3

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 87732864
Conc: 543.63 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1248

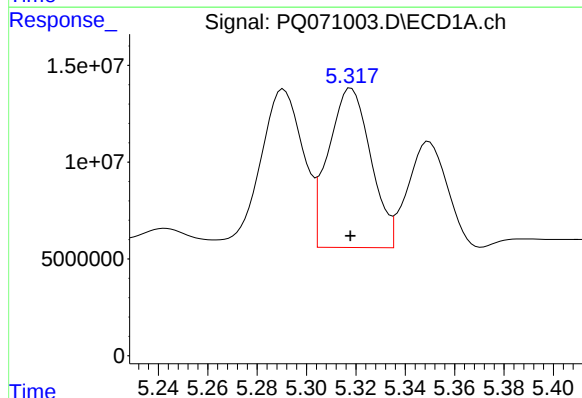
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



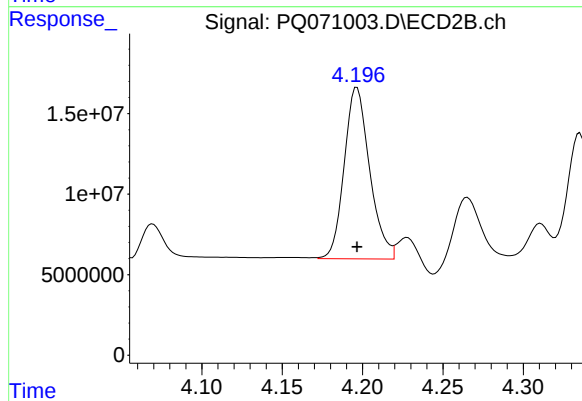
#23 AR-1248-3

R.T.: 4.039 min
Delta R.T.: 0.000 min
Response: 87534945
Conc: 487.24 ng/ml



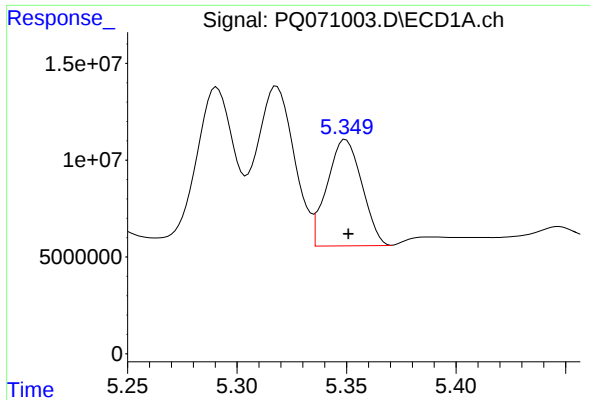
#24 AR-1248-4

R.T.: 5.317 min
Delta R.T.: 0.000 min
Response: 98470443
Conc: 567.58 ng/ml m



#24 AR-1248-4

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 117224408
Conc: 522.55 ng/ml m



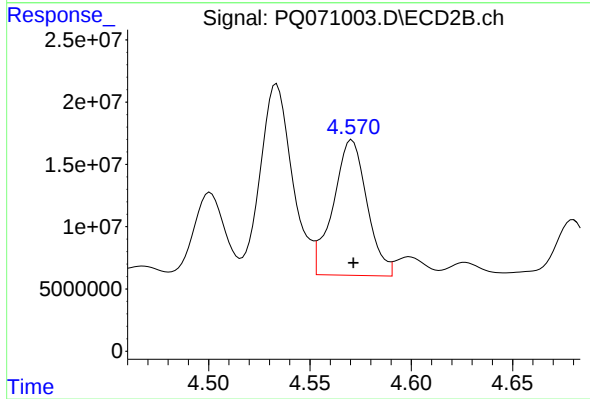
#25 AR-1248-5

R.T.: 5.349 min
Delta R.T.: -0.002 min
Response: 59958766
Conc: 402.63 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1248

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



#25 AR-1248-5

R.T.: 4.571 min
Delta R.T.: 0.000 min
Response: 126452467
Conc: 543.08 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 19:08
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 01:34:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:30:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	247.0E6	287.2E6	56.214	55.217
2) SA Decachlor...	8.498	7.533	175.2E6	316.3E6	55.323	56.717
Target Compounds						
26) L6 AR-1254-1	5.293	4.533	115.3E6	191.1E6	587.461	566.643
27) L6 AR-1254-2	5.507	4.680	167.9E6	162.6E6	578.152	547.137
28) L6 AR-1254-3	5.855	5.060	176.3E6	253.6E6	573.790	542.980
29) L6 AR-1254-4	6.134	5.286	124.7E6	161.4E6	568.016	546.628
30) L6 AR-1254-5	6.544	5.690	130.6E6	228.4E6	563.253	543.396

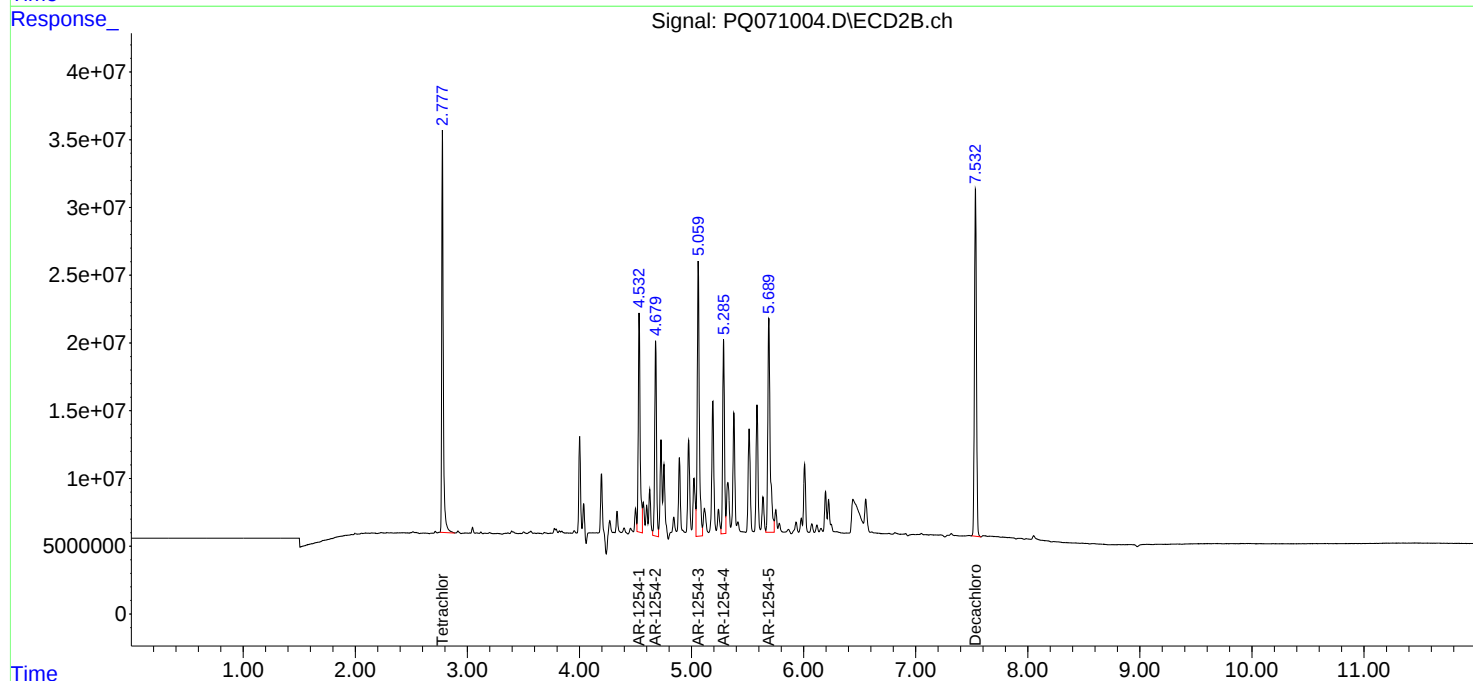
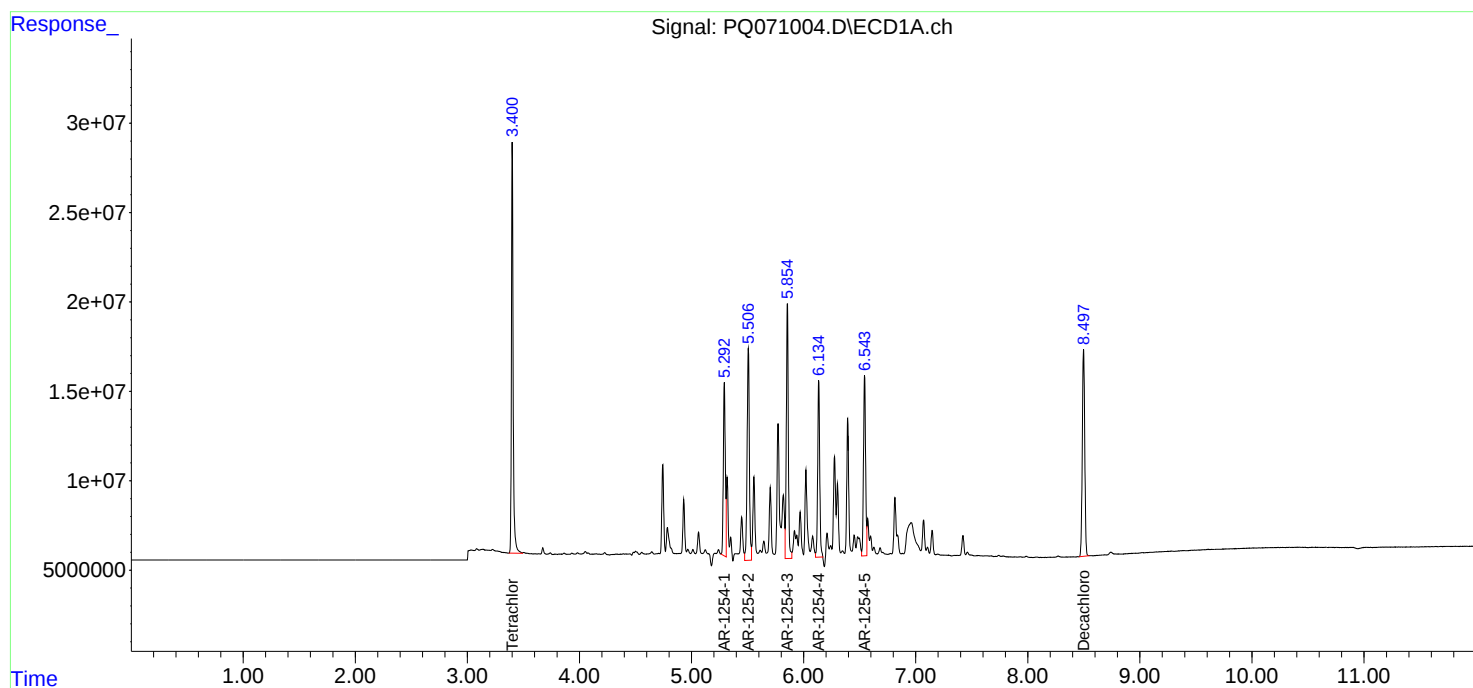
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 19:08
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1254

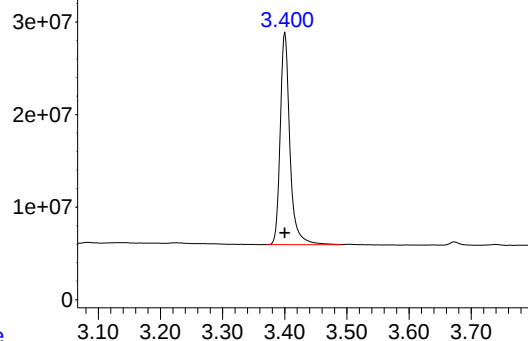
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 01:34:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:30:57 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: PQ071004.D\ECD1A.ch

#1 Tetrachloro-m-xylene

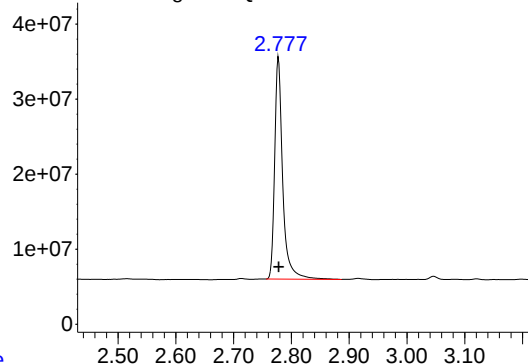


R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 246956460
Conc: 56.21 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1254

Time Response_ Signal: PQ071004.D\ECD2B.ch

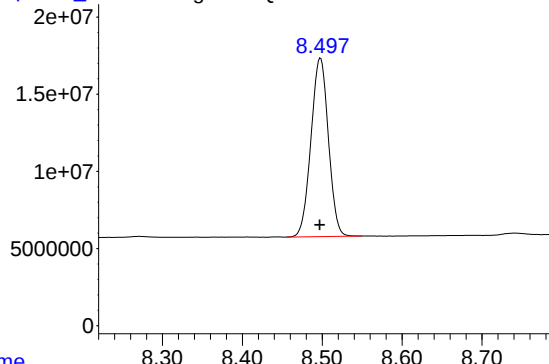
#1 Tetrachloro-m-xylene



R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 287227626
Conc: 55.22 ng/ml

Time Response_ Signal: PQ071004.D\ECD1A.ch

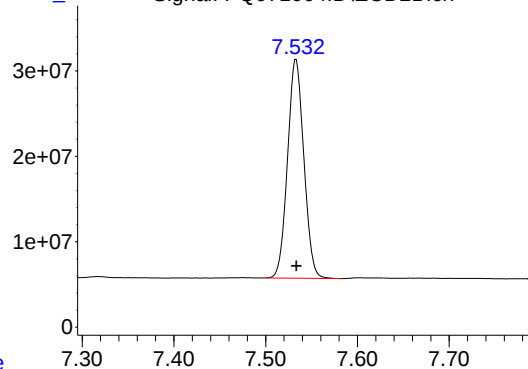
#2 Decachlorobiphenyl



R.T.: 8.498 min
Delta R.T.: 0.000 min
Response: 175150667
Conc: 55.32 ng/ml

Time Response_ Signal: PQ071004.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 316297966
Conc: 56.72 ng/ml

Response_ Signal: PQ071004.D\ECD1A.ch

#26 AR-1254-1

R.T.: 5.293 min
Delta R.T.: 0.000 min
Response: 115305910
Conc: 587.46 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1254

Time

Response_ Signal: PQ071004.D\ECD2B.ch

#26 AR-1254-1

R.T.: 4.533 min
Delta R.T.: 0.000 min
Response: 191078779
Conc: 566.64 ng/ml

Time

Response_ Signal: PQ071004.D\ECD1A.ch

#27 AR-1254-2

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 167943478
Conc: 578.15 ng/ml

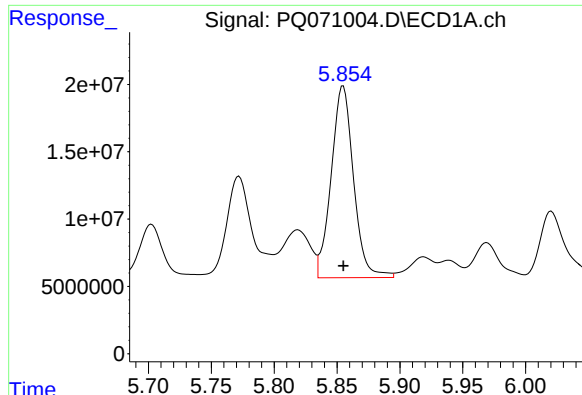
Time

Response_ Signal: PQ071004.D\ECD2B.ch

#27 AR-1254-2

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 162584096
Conc: 547.14 ng/ml

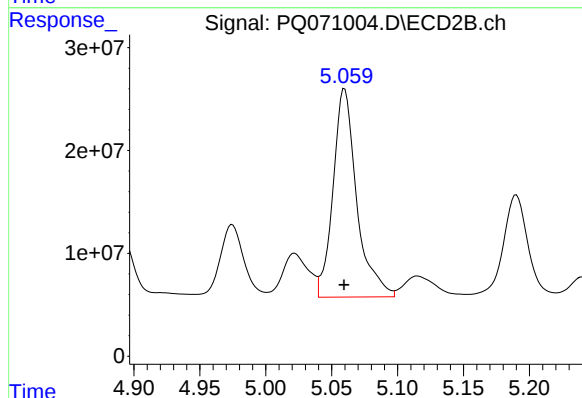
Time



#28 AR-1254-3

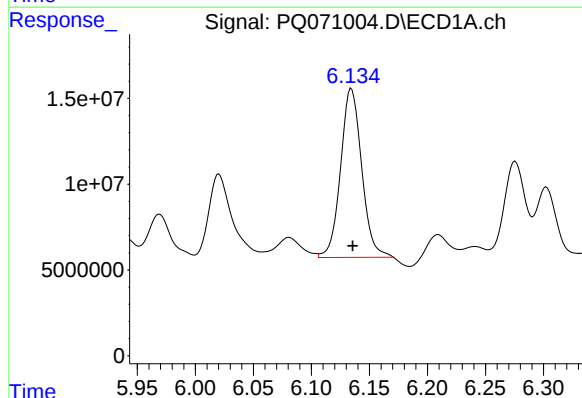
R.T.: 5.855 min
Delta R.T.: 0.000 min
Response: 176272565
Conc: 573.79 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1254



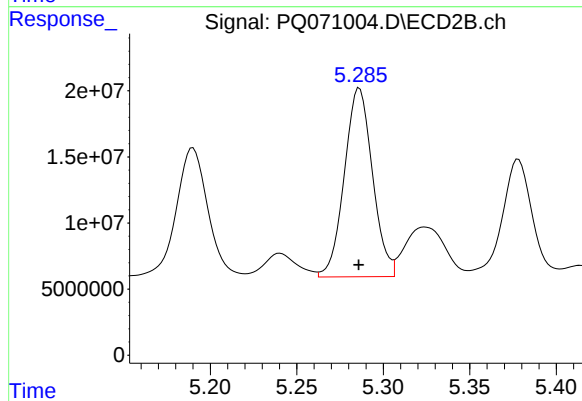
#28 AR-1254-3

R.T.: 5.060 min
Delta R.T.: 0.000 min
Response: 253607279
Conc: 542.98 ng/ml



#29 AR-1254-4

R.T.: 6.134 min
Delta R.T.: -0.001 min
Response: 124702483
Conc: 568.02 ng/ml



#29 AR-1254-4

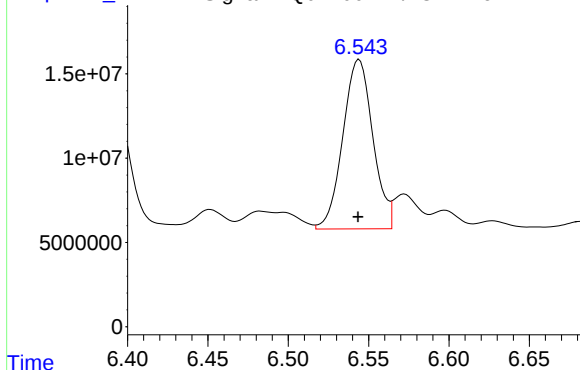
R.T.: 5.286 min
Delta R.T.: 0.000 min
Response: 161392628
Conc: 546.63 ng/ml

Response_

Signal: PQ071004.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 130615840
Conc: 563.25 ng/ml

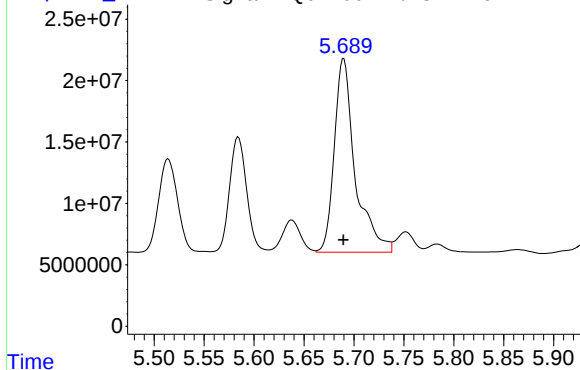
Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1254

Time

Response_

Signal: PQ071004.D\ECD2B.ch

#30 AR-1254-5



R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 228416064
Conc: 543.40 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 19:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 01:39:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:37:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.401	2.777	256.6E6	296.1E6	52.549	51.872
2) SA Decachlor...	8.497	7.533	317.0E6	560.4E6	52.621	50.721
Target Compounds						
41) L9 AR-1268-1	7.418	6.500	307.3E6	498.7E6	527.367	511.825
42) L9 AR-1268-2	7.495	6.563	283.4E6	464.0E6	533.785	516.248
43) L9 AR-1268-3	7.677	6.763	233.9E6	395.9E6	539.709	506.489
44) L9 AR-1268-4	7.989	7.051	100.4E6	175.1E6	534.727	508.315
45) L9 AR-1268-5	8.271	7.318	696.8E6	1236.0E6	531.266	510.673

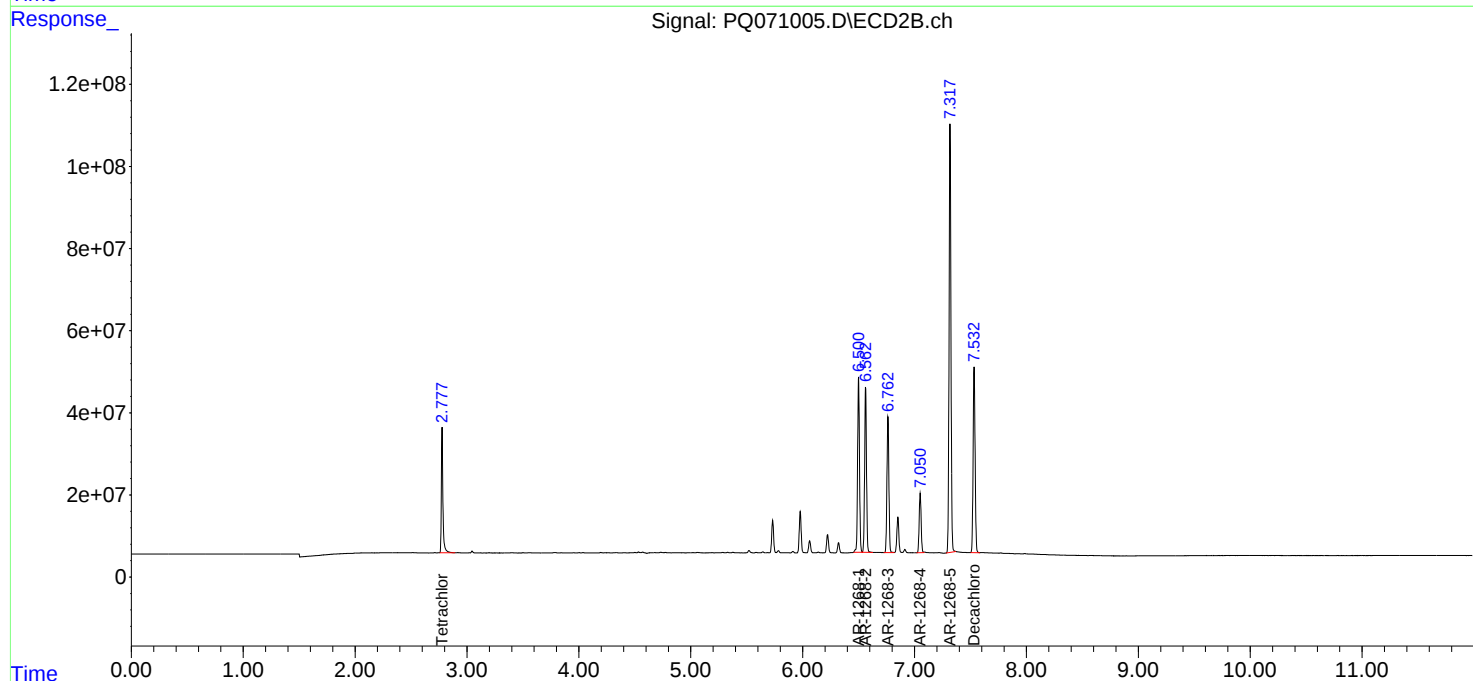
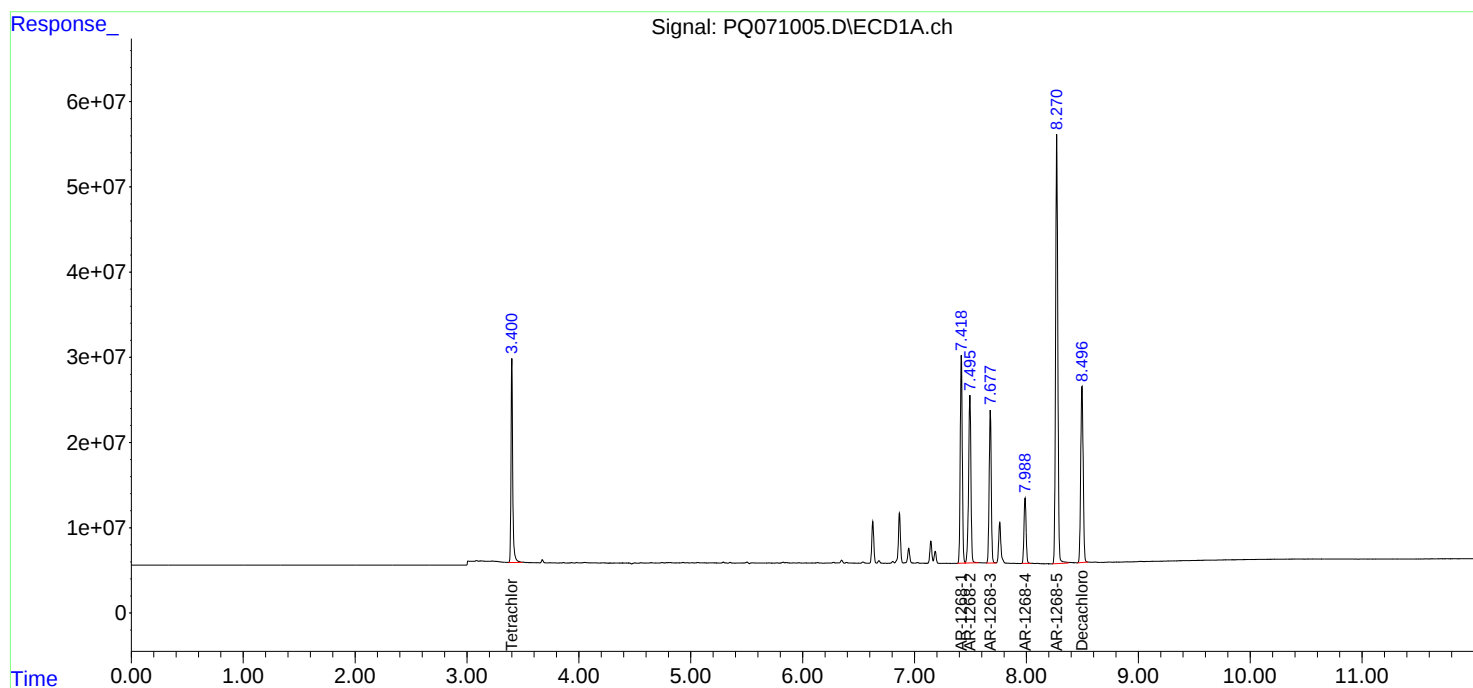
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ071005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 19:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

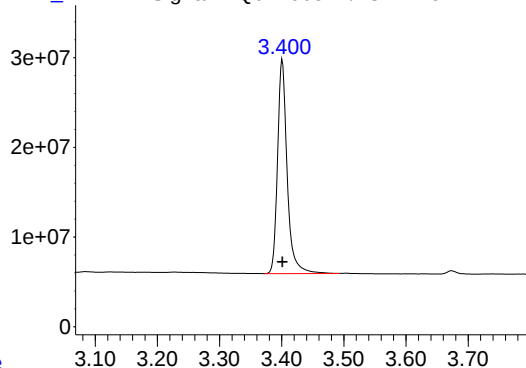
Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 01:39:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:37:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PQ071005.D\ECD1A.ch

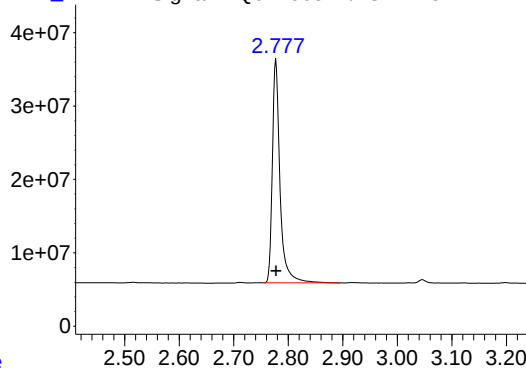


#1 Tetrachloro-m-xylene

R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 256641615
Conc: 52.55 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1268

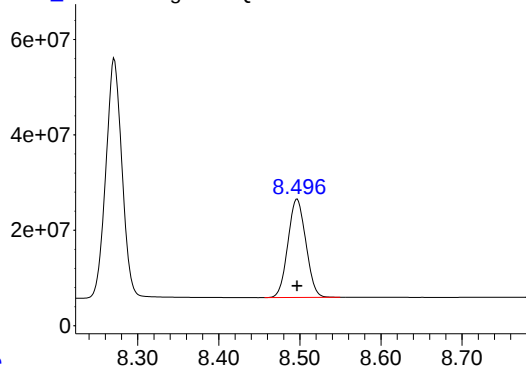
Time Response_ Signal: PQ071005.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 296113428
Conc: 51.87 ng/ml

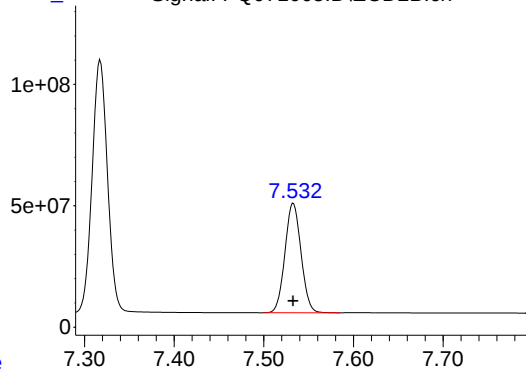
Time Response_ Signal: PQ071005.D\ECD1A.ch



#2 Decachlorobiphenyl

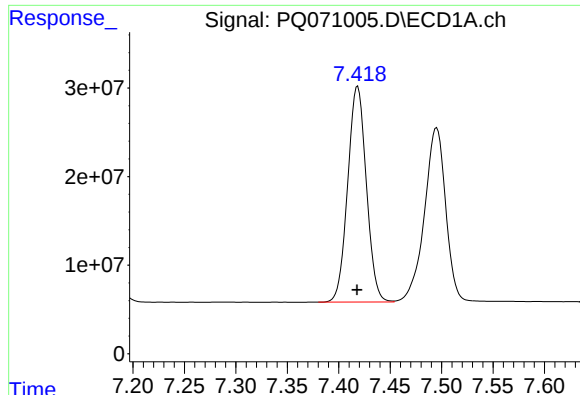
R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 317031582
Conc: 52.62 ng/ml

Time Response_ Signal: PQ071005.D\ECD2B.ch



#2 Decachlorobiphenyl

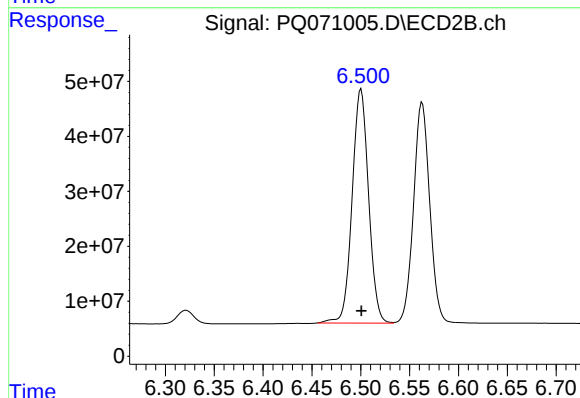
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 560415145
Conc: 50.72 ng/ml



#41 AR-1268-1

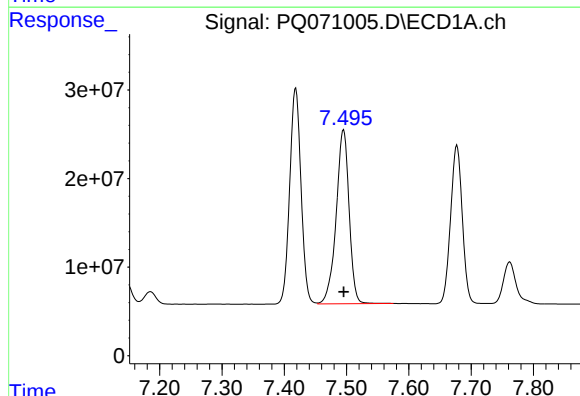
R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 307261040
Conc: 527.37 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1268



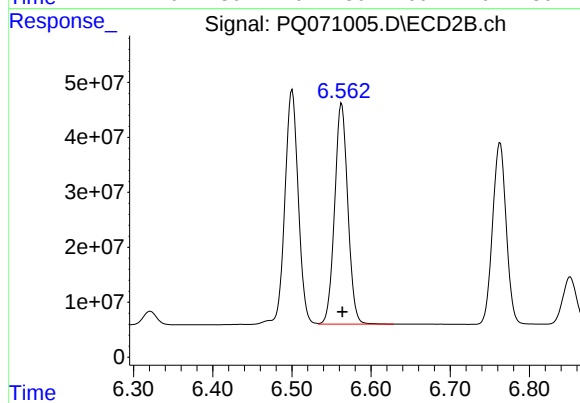
#41 AR-1268-1

R.T.: 6.500 min
Delta R.T.: 0.000 min
Response: 498745928
Conc: 511.83 ng/ml



#42 AR-1268-2

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 283380161
Conc: 533.78 ng/ml



#42 AR-1268-2

R.T.: 6.563 min
Delta R.T.: 0.000 min
Response: 463960839
Conc: 516.25 ng/ml

Response_ Signal: PQ071005.D\ECD1A.ch

#43 AR-1268-3

R.T.: 7.677 min
Delta R.T.: 0.000 min
Response: 233855867
Conc: 539.71 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1268

Time

Response_ Signal: PQ071005.D\ECD2B.ch

#43 AR-1268-3

R.T.: 6.763 min
Delta R.T.: 0.000 min
Response: 395934354
Conc: 506.49 ng/ml

Time

Response_ Signal: PQ071005.D\ECD1A.ch

#44 AR-1268-4

R.T.: 7.989 min
Delta R.T.: 0.000 min
Response: 100352602
Conc: 534.73 ng/ml

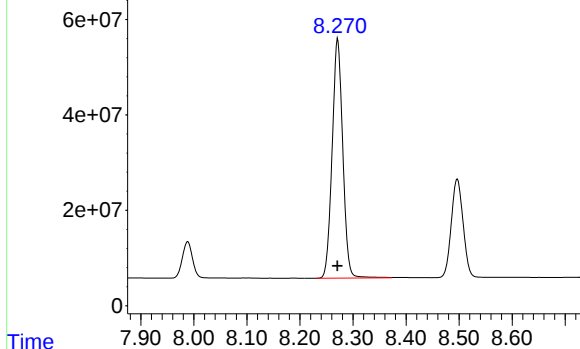
Time

Response_ Signal: PQ071005.D\ECD2B.ch

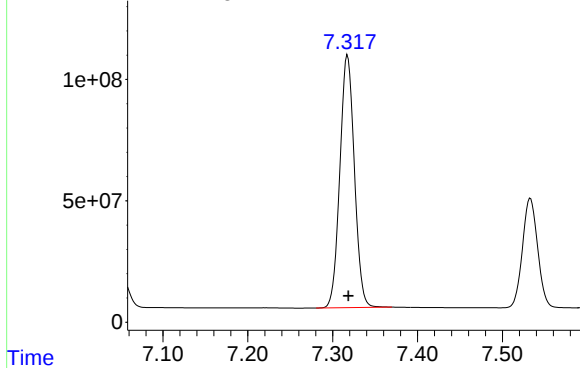
#44 AR-1268-4

R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 175126997
Conc: 508.32 ng/ml

Time



Time
Response_ Signal: PQ071005.D\ECD2B.ch



Time

#45 AR-1268-5

R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 696811272
Conc: 531.27 ng/ml

Instrument :
ECD_Q
ClientSampleId :
ICVPQ101025AR1268

#45 AR-1268-5

R.T.: 7.318 min
Delta R.T.: 0.000 min
Response: 1236017444
Conc: 510.67 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 11:06

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 11:06

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3376
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071029.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	528.530	500.000	5.7
Aroclor-1016-2	4.499	4.399	4.599	530.130	500.000	6.0
Aroclor-1016-3	4.557	4.456	4.656	543.840	500.000	8.8
Aroclor-1016-4	4.646	4.546	4.746	538.840	500.000	7.8
Aroclor-1016-5	4.931	4.831	5.031	538.570	500.000	7.7
Aroclor-1260-1	6.021	5.919	6.119	525.500	500.000	5.1
Aroclor-1260-2	6.277	6.175	6.375	523.040	500.000	4.6
Aroclor-1260-3	6.628	6.526	6.726	550.320	500.000	10.1
Aroclor-1260-4	6.841	6.740	6.940	559.640	500.000	11.9
Aroclor-1260-5	7.146	7.045	7.245	545.310	500.000	9.1
Decachlorobiphenyl	8.496	8.396	8.596	54.800	50.000	9.6
Tetrachloro-m-xylene	3.400	3.300	3.500	54.570	50.000	9.1



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3376
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071029.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.777	3.678	3.878	447.820	500.000	-10.4
Aroclor-1016-2	3.792	3.693	3.893	454.090	500.000	-9.2
Aroclor-1016-3	3.952	3.853	4.053	469.870	500.000	-6.0
Aroclor-1016-4	4.001	3.902	4.102	479.910	500.000	-4.0
Aroclor-1016-5	4.196	4.097	4.297	467.650	500.000	-6.5
Aroclor-1260-1	5.188	5.089	5.289	465.160	500.000	-7.0
Aroclor-1260-2	5.377	5.278	5.478	457.420	500.000	-8.5
Aroclor-1260-3	5.519	5.419	5.619	464.910	500.000	-7.0
Aroclor-1260-4	5.979	5.879	6.079	468.670	500.000	-6.3
Aroclor-1260-5	6.223	6.124	6.324	462.640	500.000	-7.5
Decachlorobiphenyl	7.533	7.433	7.633	54.060	50.000	8.1
Tetrachloro-m-xylene	2.777	2.678	2.878	49.880	50.000	-0.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 11:06
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:42:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.777	237.4E6	253.4E6	54.568	49.876
2) SA Decachlor...	8.496	7.533	159.1E6	273.0E6	54.799	54.064
Target Compounds						
3) L1 AR-1016-1	4.480	3.777	86754467	100.3E6	528.527	447.816
4) L1 AR-1016-2	4.499	3.792	135.9E6	154.4E6	530.130	454.094
5) L1 AR-1016-3	4.557	3.952	86535541	85449742	543.844	469.868
6) L1 AR-1016-4	4.646	4.001	70011416	75543856	538.843	479.910
7) L1 AR-1016-5	4.931	4.196	69369001	89715287	538.567	467.652
31) L7 AR-1260-1	6.021	5.188	123.2E6	167.6E6	525.496	465.158
32) L7 AR-1260-2	6.277	5.377	144.7E6	201.3E6	523.037	457.420
33) L7 AR-1260-3	6.628	5.519	109.7E6	192.9E6	550.319	464.906
34) L7 AR-1260-4	6.841	5.979	120.3E6	168.6E6	559.637	468.669
35) L7 AR-1260-5	7.146	6.223	236.5E6	388.7E6	545.310	462.640

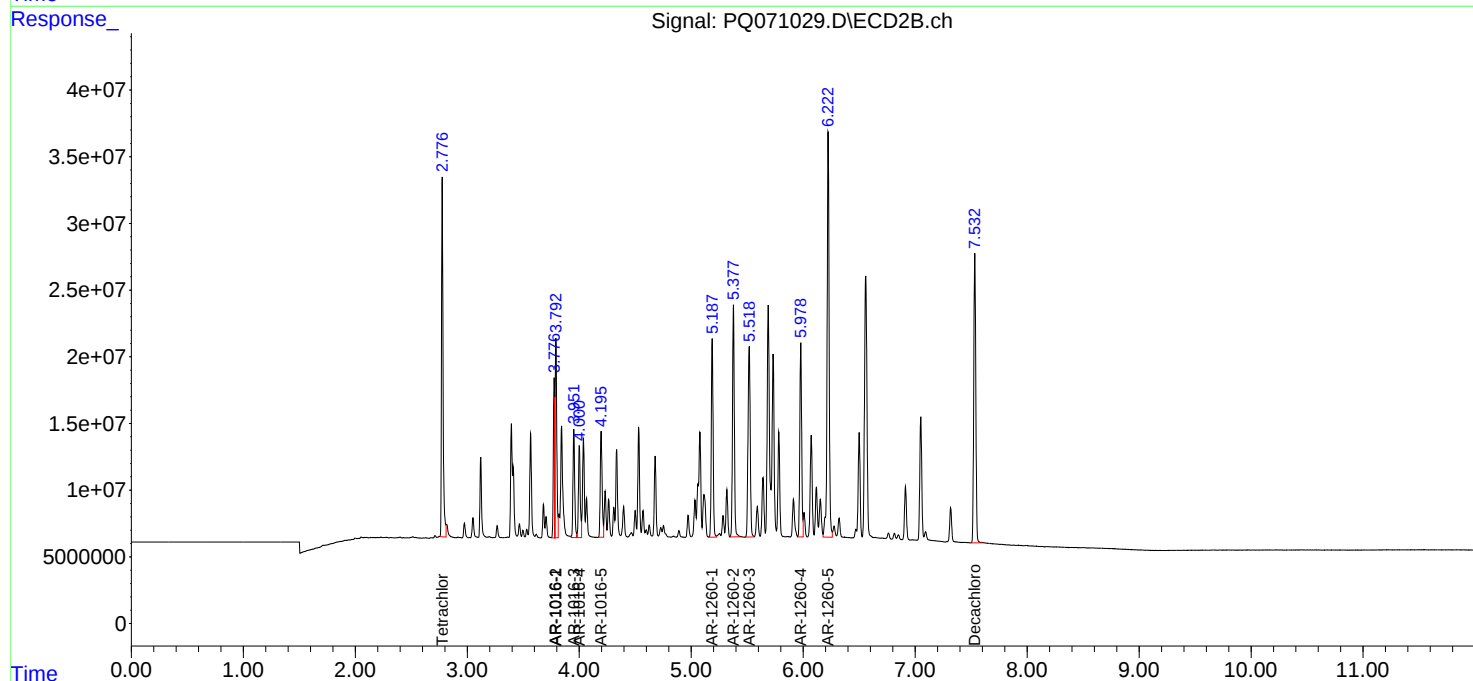
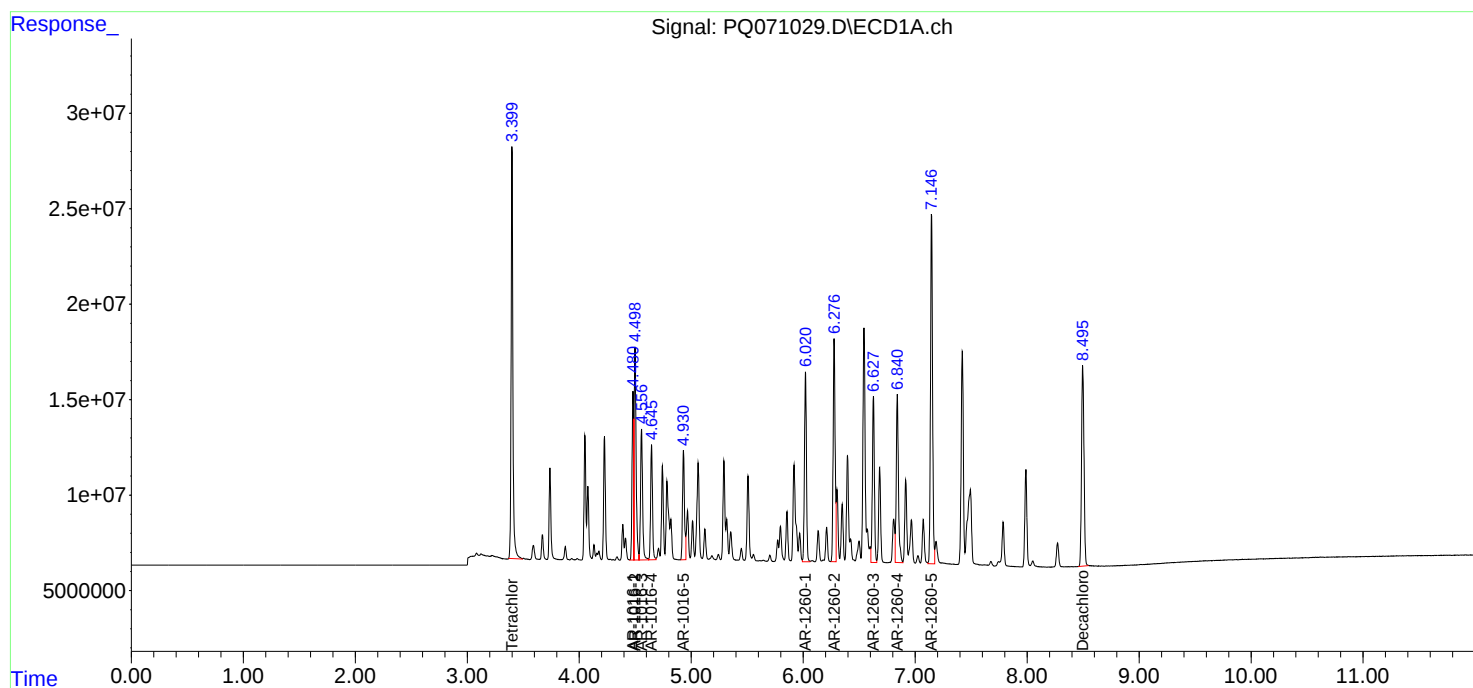
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 11:06
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:42:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

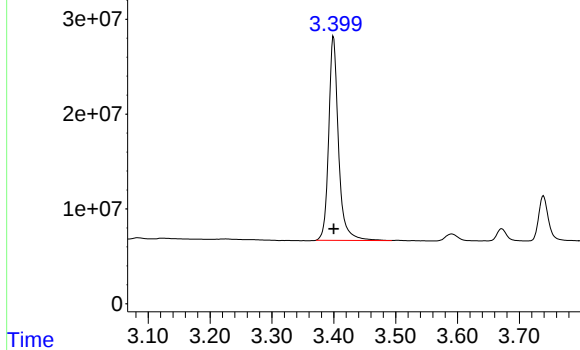


Response_ Signal: PQ071029.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 237386774
Conc: 54.57 ng/ml

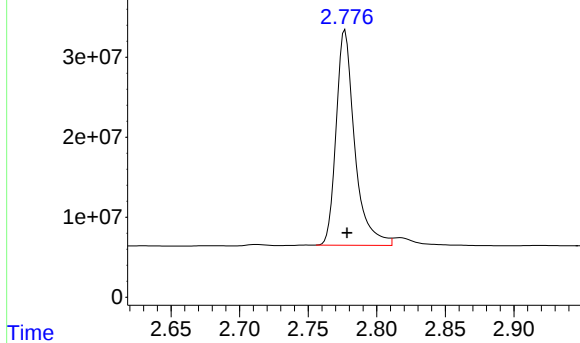
Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



Time Response_ Signal: PQ071029.D\ECD2B.ch

#1 Tetrachloro-m-xylene

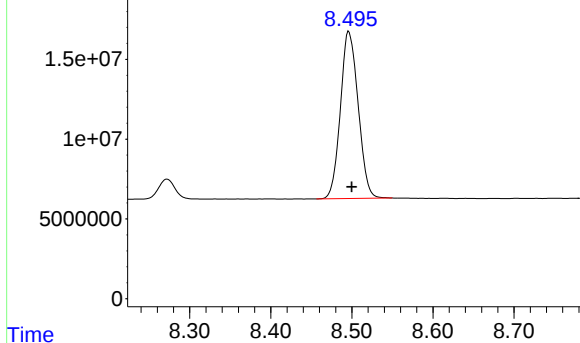
R.T.: 2.777 min
Delta R.T.: -0.001 min
Response: 253371590
Conc: 49.88 ng/ml



Time Response_ Signal: PQ071029.D\ECD1A.ch

#2 Decachlorobiphenyl

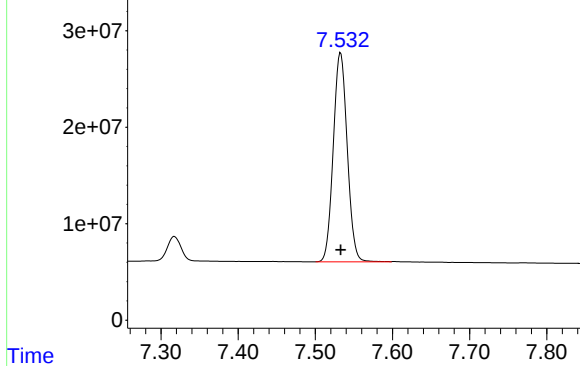
R.T.: 8.496 min
Delta R.T.: -0.004 min
Response: 159135611
Conc: 54.80 ng/ml

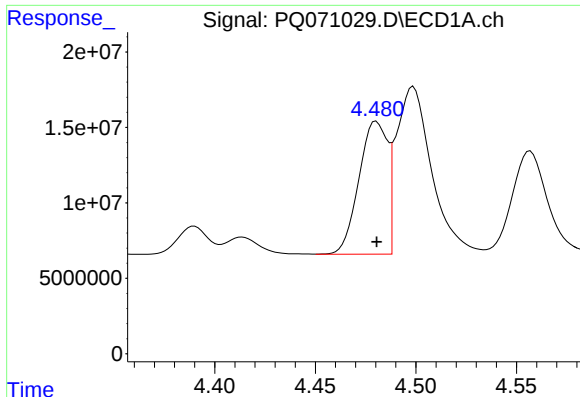


Time Response_ Signal: PQ071029.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 272997234
Conc: 54.06 ng/ml

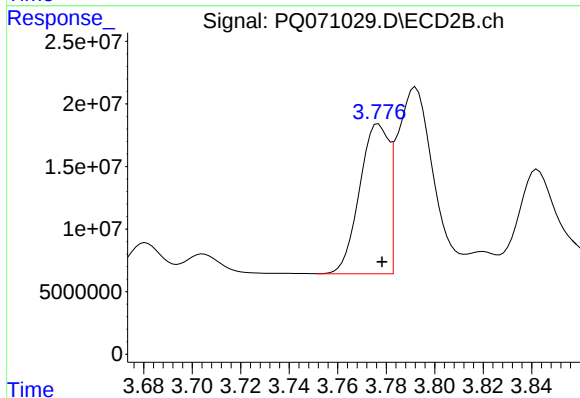




#3 AR-1016-1

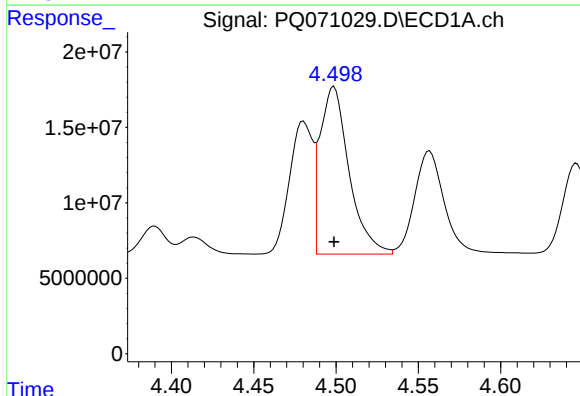
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 86754467
Conc: 528.53 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



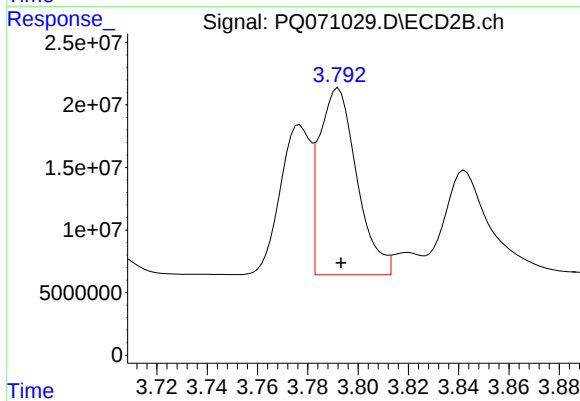
#3 AR-1016-1

R.T.: 3.777 min
Delta R.T.: -0.001 min
Response: 100311662
Conc: 447.82 ng/ml



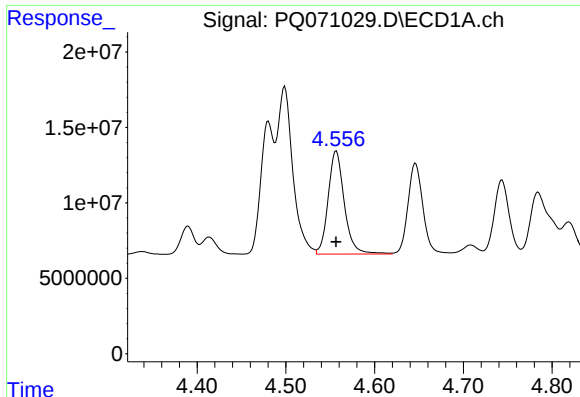
#4 AR-1016-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 135869317
Conc: 530.13 ng/ml



#4 AR-1016-2

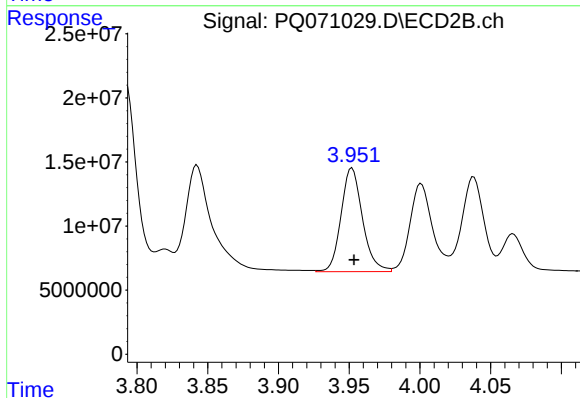
R.T.: 3.792 min
Delta R.T.: -0.001 min
Response: 154447668
Conc: 454.09 ng/ml



#5 AR-1016-3

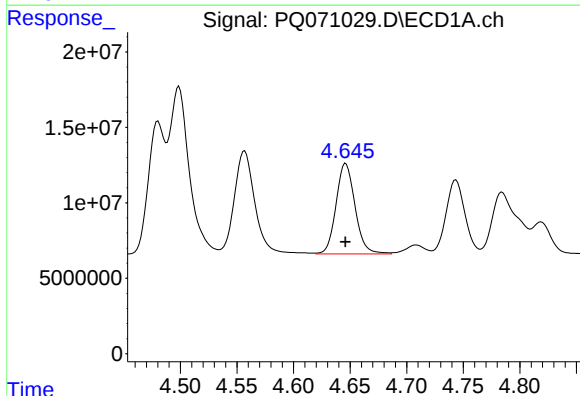
R.T.: 4.557 min
Delta R.T.: 0.000 min
Response: 86535541
Conc: 543.84 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



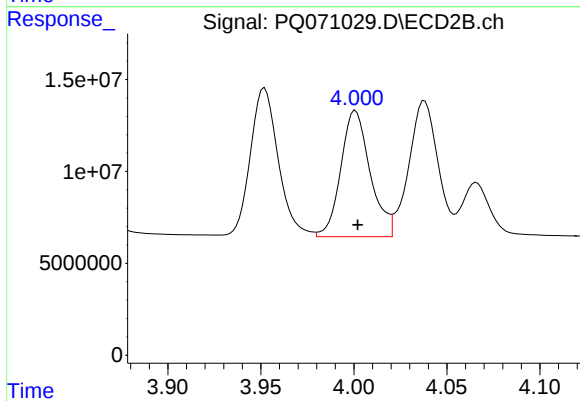
#5 AR-1016-3

R.T.: 3.952 min
Delta R.T.: -0.001 min
Response: 85449742
Conc: 469.87 ng/ml



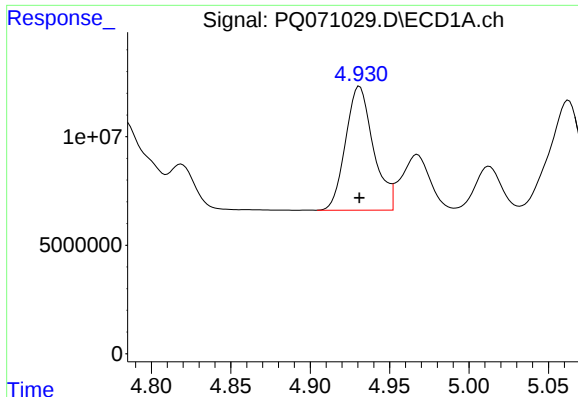
#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 70011416
Conc: 538.84 ng/ml



#6 AR-1016-4

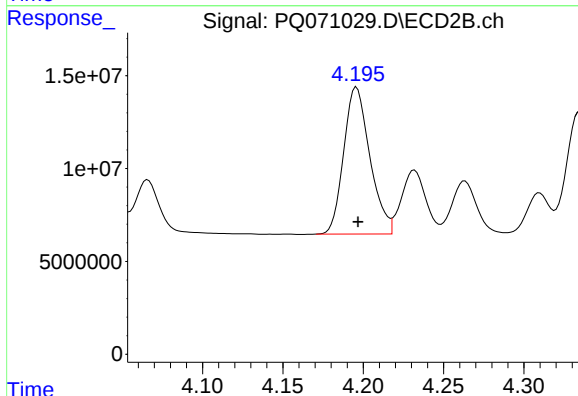
R.T.: 4.001 min
Delta R.T.: -0.001 min
Response: 75543856
Conc: 479.91 ng/ml



#7 AR-1016-5

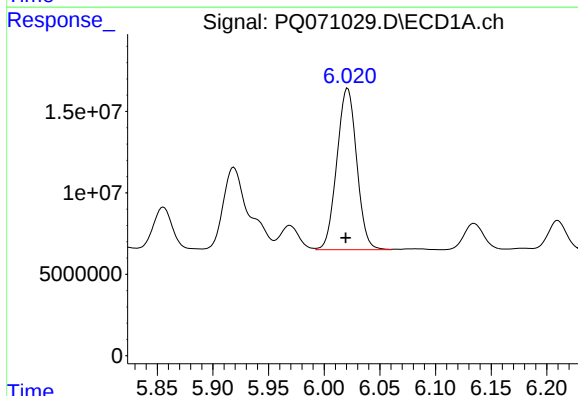
R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 69369001
Conc: 538.57 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



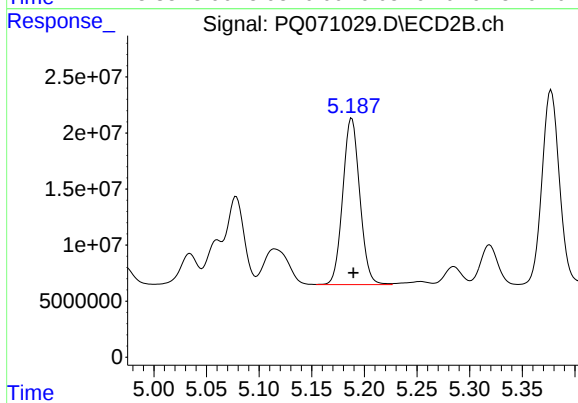
#7 AR-1016-5

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 89715287
Conc: 467.65 ng/ml



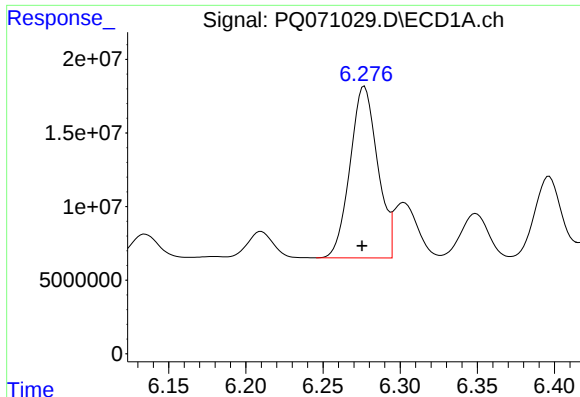
#31 AR-1260-1

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 123213504
Conc: 525.50 ng/ml



#31 AR-1260-1

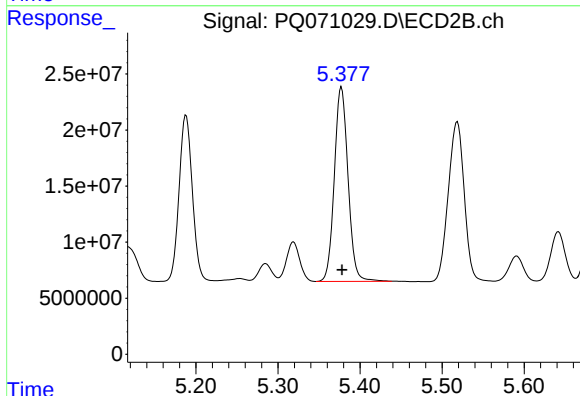
R.T.: 5.188 min
Delta R.T.: -0.001 min
Response: 167645835
Conc: 465.16 ng/ml



#32 AR-1260-2

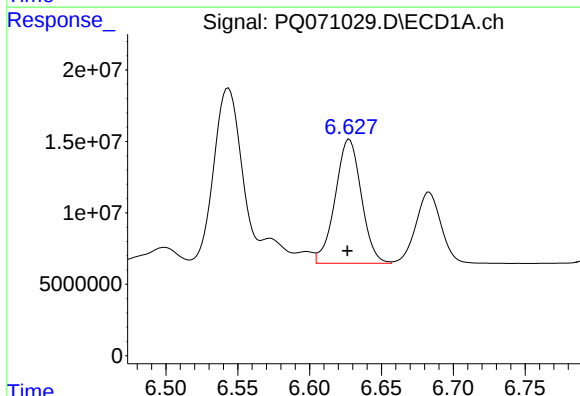
R.T.: 6.277 min
Delta R.T.: 0.002 min
Response: 144676853
Conc: 523.04 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



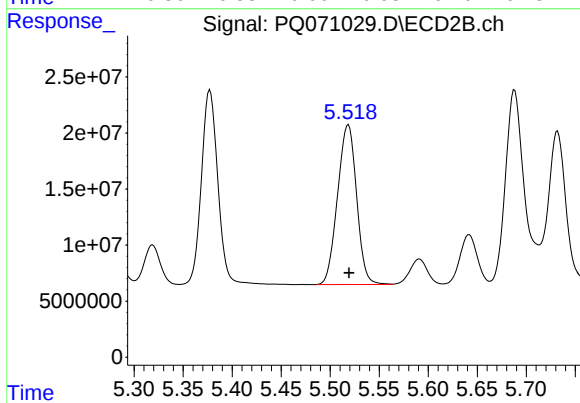
#32 AR-1260-2

R.T.: 5.377 min
Delta R.T.: 0.000 min
Response: 201261978
Conc: 457.42 ng/ml



#33 AR-1260-3

R.T.: 6.628 min
Delta R.T.: 0.001 min
Response: 109683110
Conc: 550.32 ng/ml



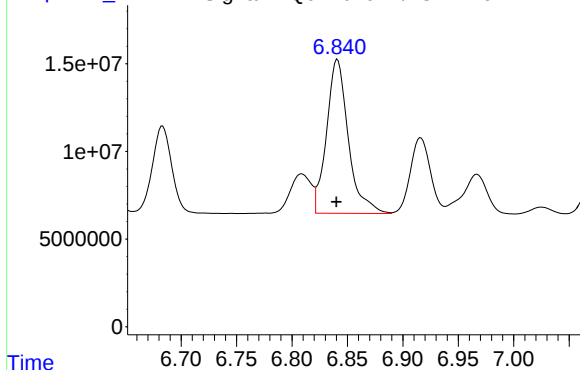
#33 AR-1260-3

R.T.: 5.519 min
Delta R.T.: 0.000 min
Response: 192935609
Conc: 464.91 ng/ml

Response_

Signal: PQ071029.D\ECD1A.ch

#34 AR-1260-4



R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 120256661
Conc: 559.64 ng/ml

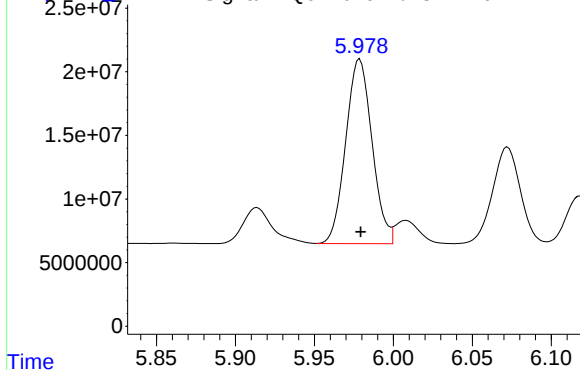
Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Time

Response

Signal: PQ071029.D\ECD2B.ch

#34 AR-1260-4



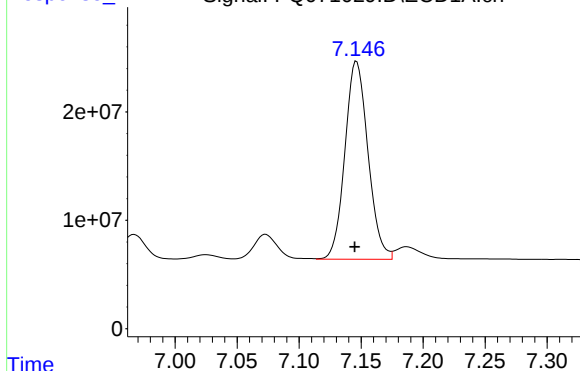
R.T.: 5.979 min
Delta R.T.: 0.000 min
Response: 168609518
Conc: 468.67 ng/ml

Time

Response_

Signal: PQ071029.D\ECD1A.ch

#35 AR-1260-5



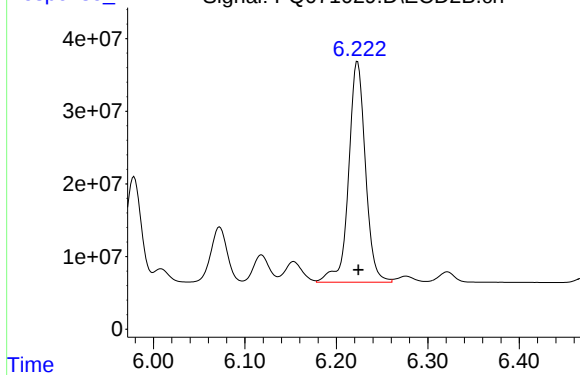
R.T.: 7.146 min
Delta R.T.: 0.002 min
Response: 236543183
Conc: 545.31 ng/ml

Time

Response_

Signal: PQ071029.D\ECD2B.ch

#35 AR-1260-5



R.T.: 6.223 min
Delta R.T.: 0.000 min
Response: 388748252
Conc: 462.64 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: AECO02

Lab Code: ACE

SDG NO.: Q3376

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/10/2025

10/10/2025

Continuing Calib Time: 16:41

Initial Calibration Time(s): 08:57

16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 16:41

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3376
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071044.D **Time Analyzed:** 16:41

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	534.530	500.000	6.9
Aroclor-1016-2	4.499	4.399	4.599	541.920	500.000	8.4
Aroclor-1016-3	4.556	4.456	4.656	553.860	500.000	10.8
Aroclor-1016-4	4.646	4.546	4.746	553.000	500.000	10.6
Aroclor-1016-5	4.931	4.831	5.031	544.190	500.000	8.8
Aroclor-1260-1	6.021	5.919	6.119	531.460	500.000	6.3
Aroclor-1260-2	6.276	6.175	6.375	531.970	500.000	6.4
Aroclor-1260-3	6.627	6.526	6.726	554.240	500.000	10.8
Aroclor-1260-4	6.841	6.740	6.940	566.600	500.000	13.3
Aroclor-1260-5	7.147	7.045	7.245	560.470	500.000	12.1
Decachlorobiphenyl	8.499	8.396	8.596	56.520	50.000	13.0
Tetrachloro-m-xylene	3.399	3.300	3.500	54.110	50.000	8.2



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3376
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071044.D **Time Analyzed:** 16:41

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	455.190	500.000	-9.0
Aroclor-1016-2	3.792	3.693	3.893	458.730	500.000	-8.3
Aroclor-1016-3	3.952	3.853	4.053	475.870	500.000	-4.8
Aroclor-1016-4	4.001	3.902	4.102	481.420	500.000	-3.7
Aroclor-1016-5	4.196	4.097	4.297	472.600	500.000	-5.5
Aroclor-1260-1	5.188	5.089	5.289	482.970	500.000	-3.4
Aroclor-1260-2	5.377	5.278	5.478	467.330	500.000	-6.5
Aroclor-1260-3	5.519	5.419	5.619	471.320	500.000	-5.7
Aroclor-1260-4	5.978	5.879	6.079	473.940	500.000	-5.2
Aroclor-1260-5	6.223	6.124	6.324	471.650	500.000	-5.7
Decachlorobiphenyl	7.533	7.433	7.633	55.480	50.000	11.0
Tetrachloro-m-xylene	2.777	2.678	2.878	50.160	50.000	0.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
 Data File : PQ071044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 16:41
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 13:46:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Oct 11 01:55:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.777	235.4E6	254.8E6	54.107	50.164
2) SA Decachlor...	8.499	7.533	164.1E6	280.2E6	56.524	55.485
Target Compounds						
3) L1 AR-1016-1	4.480	3.776	87739408	102.0E6	534.527	455.194
4) L1 AR-1016-2	4.499	3.792	138.9E6	156.0E6	541.922	458.732
5) L1 AR-1016-3	4.556	3.952	88128888	86541471	553.857	475.872
6) L1 AR-1016-4	4.646	4.001	71850464	75781303	552.997	481.418
7) L1 AR-1016-5	4.931	4.196	70093448	90665234	544.192	472.604
31) L7 AR-1260-1	6.021	5.188	124.6E6	174.1E6	531.456	482.973
32) L7 AR-1260-2	6.276	5.377	147.1E6	205.6E6	531.974	467.329
33) L7 AR-1260-3	6.627	5.519	110.5E6	195.6E6	554.237	471.319
34) L7 AR-1260-4	6.841	5.978	121.8E6	170.5E6	566.600	473.940
35) L7 AR-1260-5	7.147	6.223	243.1E6	396.3E6	560.465	471.649

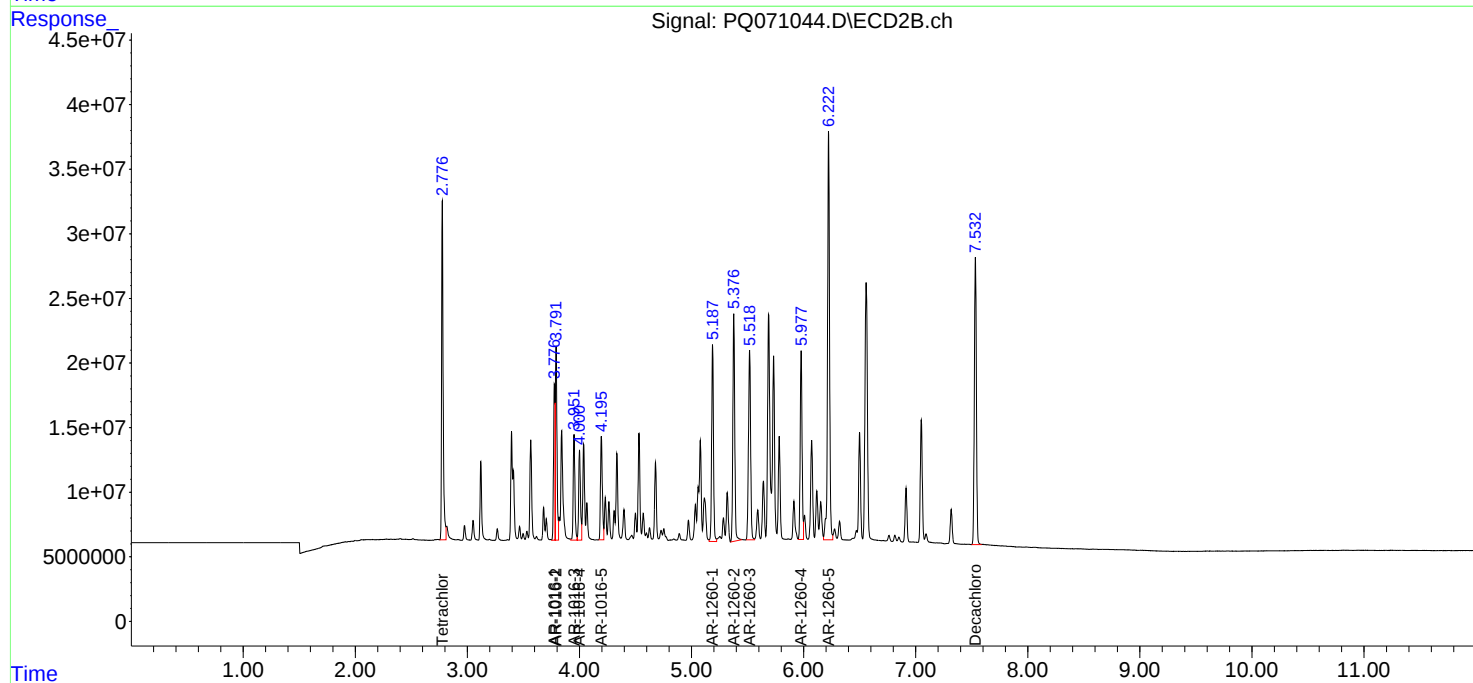
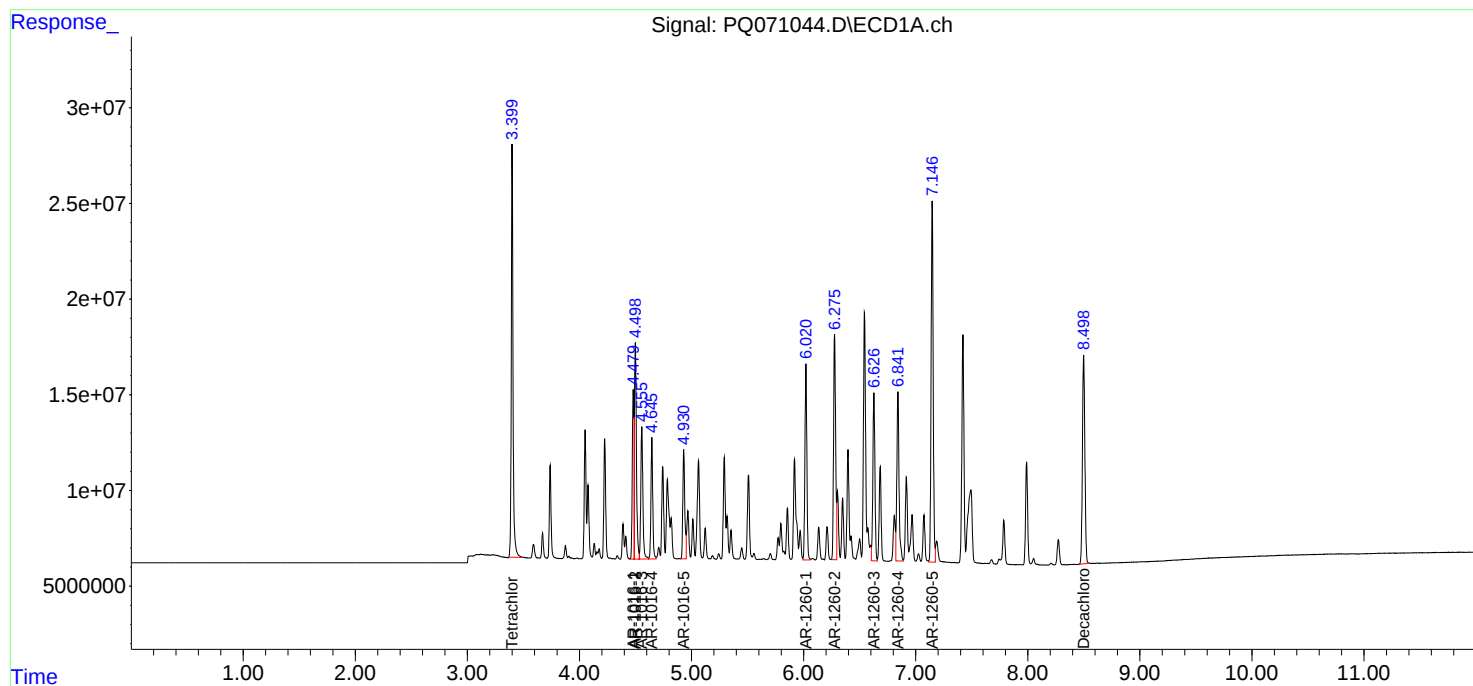
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:41
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:46:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

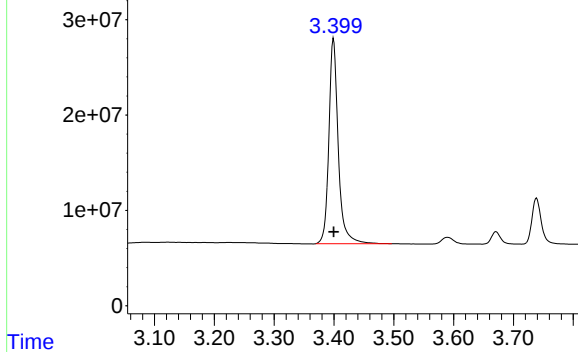


Response_ Signal: PQ071044.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 235381313
Conc: 54.11 ng/ml

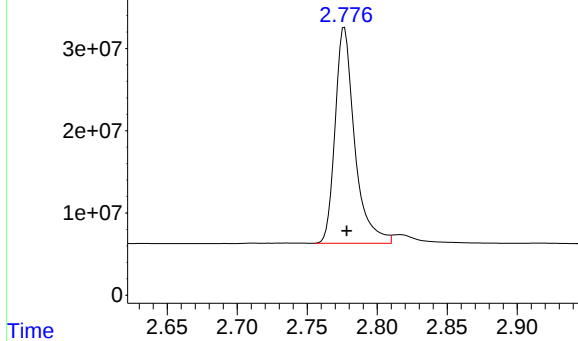
Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



Time Response_ Signal: PQ071044.D\ECD2B.ch

#1 Tetrachloro-m-xylene

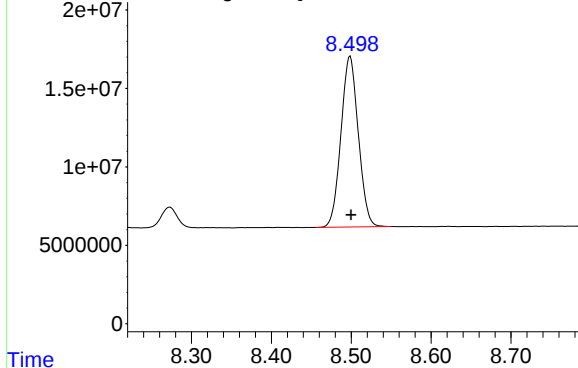
R.T.: 2.777 min
Delta R.T.: -0.002 min
Response: 254833865
Conc: 50.16 ng/ml



Time Response_ Signal: PQ071044.D\ECD1A.ch

#2 Decachlorobiphenyl

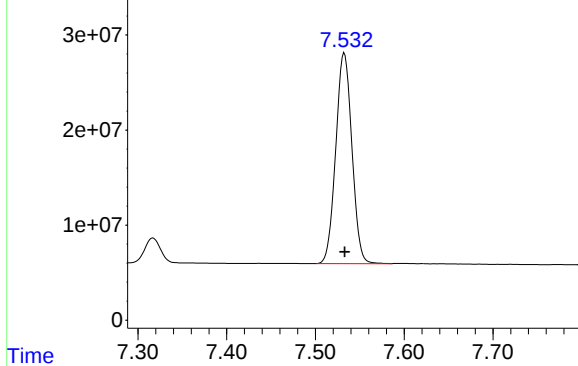
R.T.: 8.499 min
Delta R.T.: -0.001 min
Response: 164143848
Conc: 56.52 ng/ml

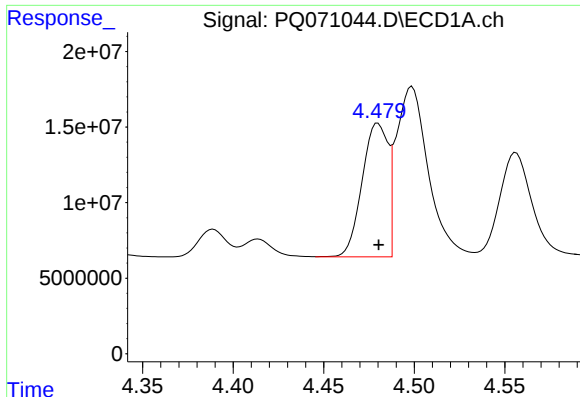


Time Response_ Signal: PQ071044.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 280173023
Conc: 55.48 ng/ml

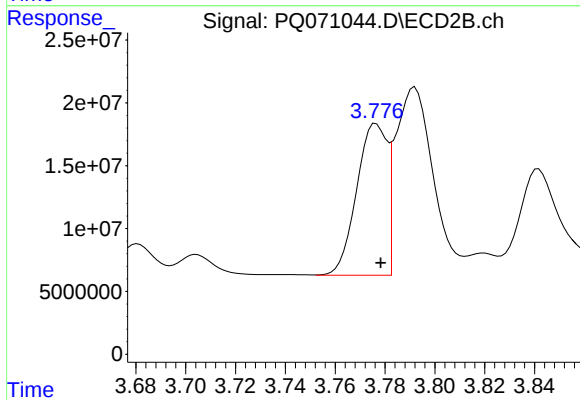




#3 AR-1016-1

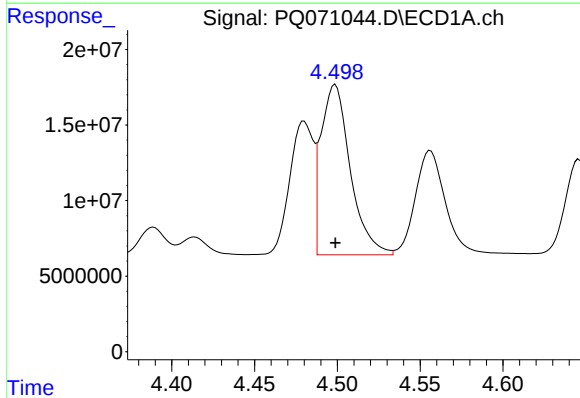
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 87739408
Conc: 534.53 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



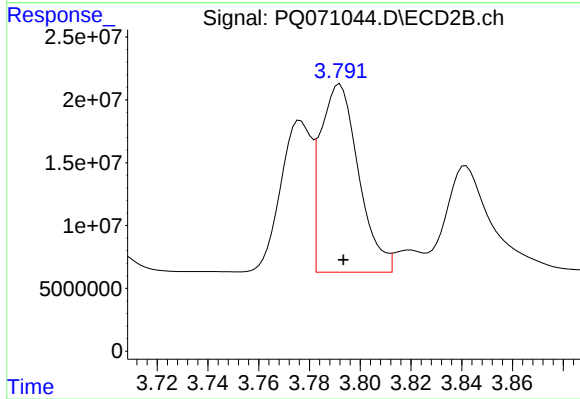
#3 AR-1016-1

R.T.: 3.776 min
Delta R.T.: -0.002 min
Response: 101964271
Conc: 455.19 ng/ml



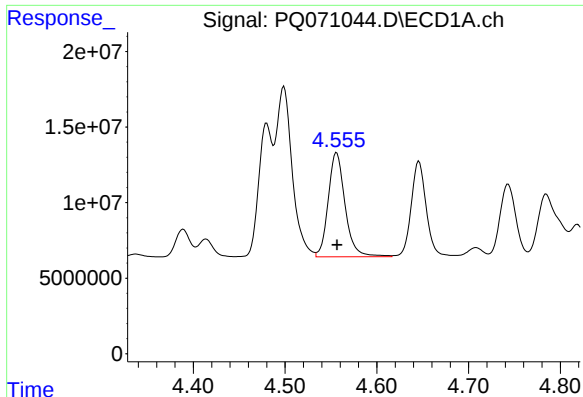
#4 AR-1016-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 138891591
Conc: 541.92 ng/ml



#4 AR-1016-2

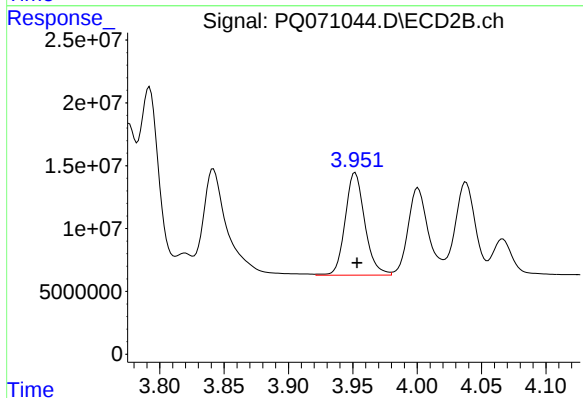
R.T.: 3.792 min
Delta R.T.: -0.001 min
Response: 156025206
Conc: 458.73 ng/ml



#5 AR-1016-3

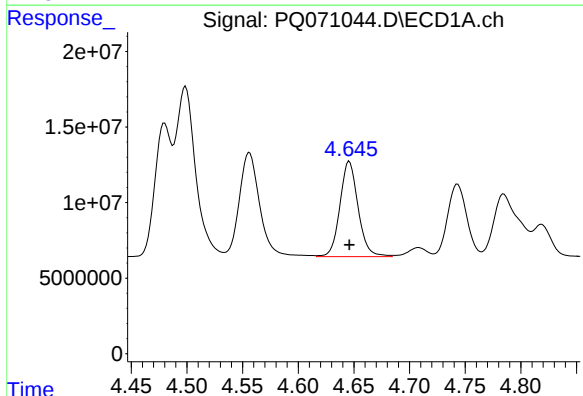
R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 88128888
Conc: 553.86 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



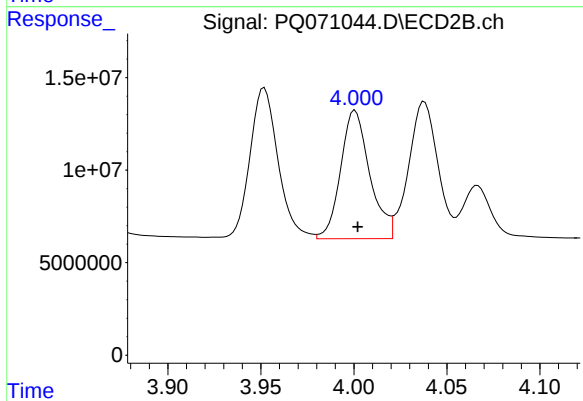
#5 AR-1016-3

R.T.: 3.952 min
Delta R.T.: -0.002 min
Response: 86541471
Conc: 475.87 ng/ml



#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 71850464
Conc: 553.00 ng/ml



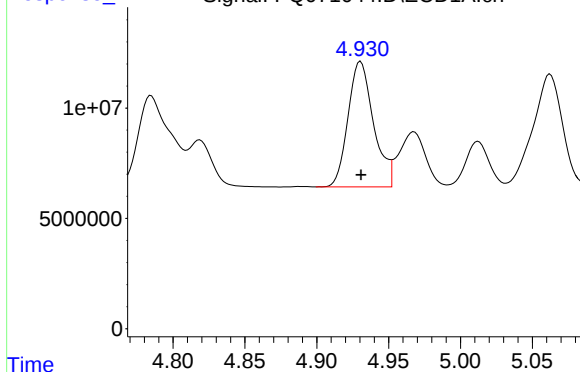
#6 AR-1016-4

R.T.: 4.001 min
Delta R.T.: -0.002 min
Response: 75781303
Conc: 481.42 ng/ml

Response_

Signal: PQ071044.D\ECD1A.ch

#7 AR-1016-5



R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 70093448
Conc: 544.19 ng/ml

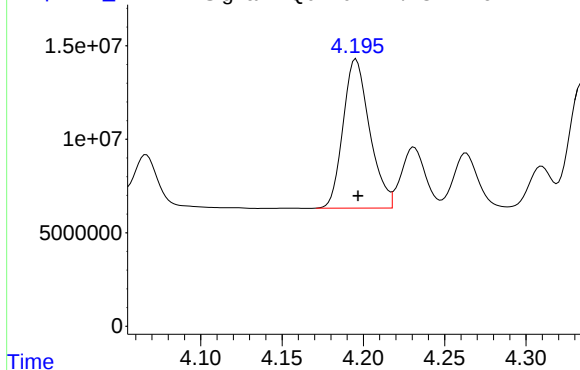
Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Time

Response_

Signal: PQ071044.D\ECD2B.ch

#7 AR-1016-5



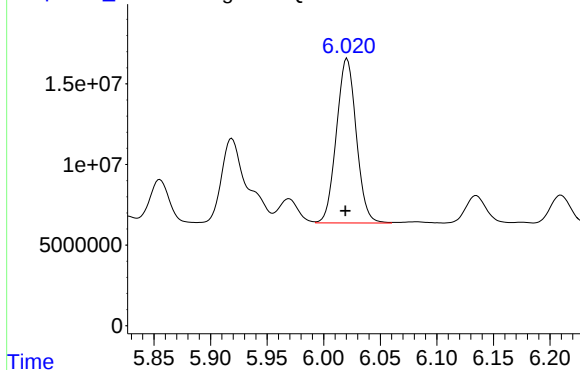
R.T.: 4.196 min
Delta R.T.: -0.001 min
Response: 90665234
Conc: 472.60 ng/ml

Time

Response_

Signal: PQ071044.D\ECD1A.ch

#31 AR-1260-1



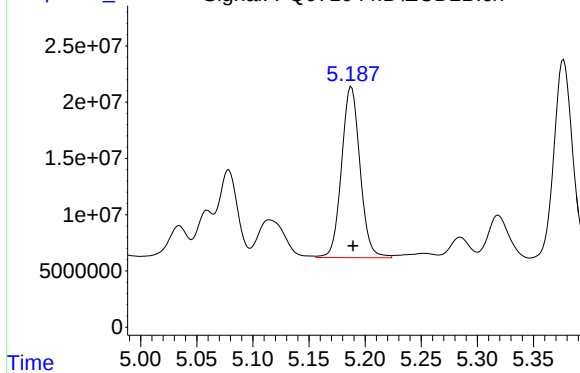
R.T.: 6.021 min
Delta R.T.: 0.001 min
Response: 124611066
Conc: 531.46 ng/ml

Time

Response_

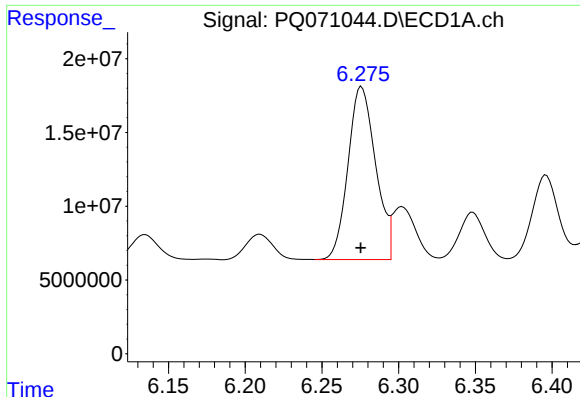
Signal: PQ071044.D\ECD2B.ch

#31 AR-1260-1



R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 174066490
Conc: 482.97 ng/ml

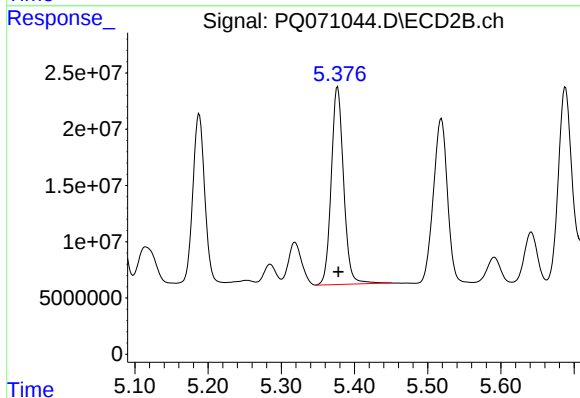
Time



#32 AR-1260-2

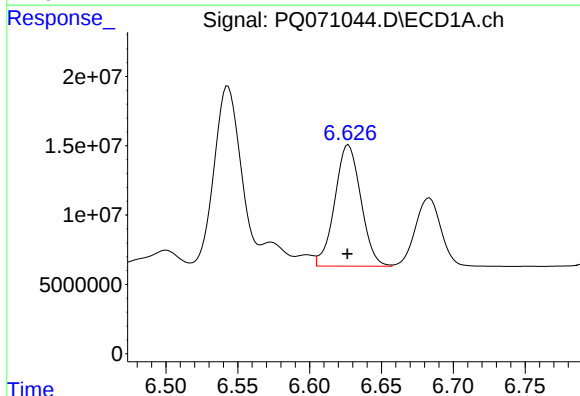
R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 147148874
Conc: 531.97 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



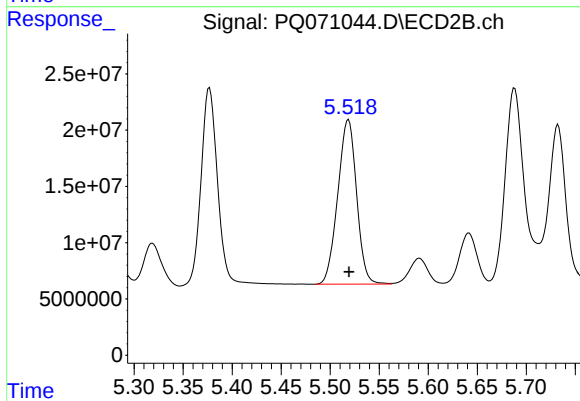
#32 AR-1260-2

R.T.: 5.377 min
Delta R.T.: -0.001 min
Response: 205621714
Conc: 467.33 ng/ml



#33 AR-1260-3

R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 110464118
Conc: 554.24 ng/ml

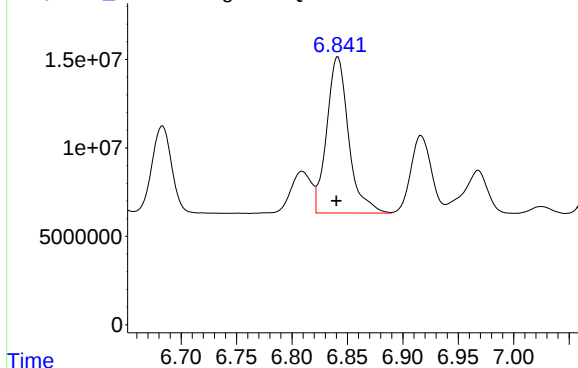


#33 AR-1260-3

R.T.: 5.519 min
Delta R.T.: 0.000 min
Response: 195596927
Conc: 471.32 ng/ml

Response_ Signal: PQ071044.D\ECD1A.ch

#34 AR-1260-4

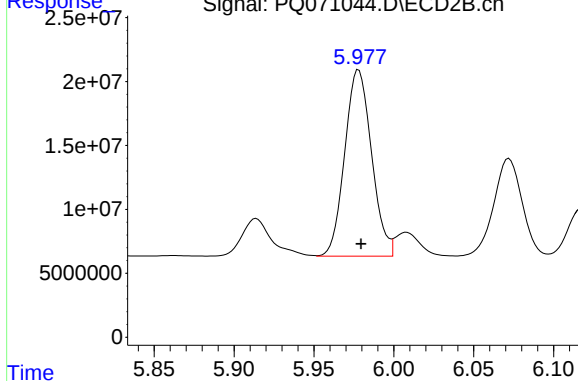


R.T.: 6.841 min
Delta R.T.: 0.001 min
Response: 121752776
Conc: 566.60 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Time Response_ Signal: PQ071044.D\ECD2B.ch

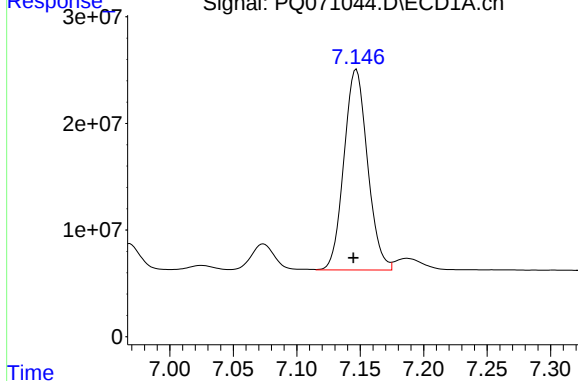
#34 AR-1260-4



R.T.: 5.978 min
Delta R.T.: -0.001 min
Response: 170506083
Conc: 473.94 ng/ml

Time Response_ Signal: PQ071044.D\ECD1A.ch

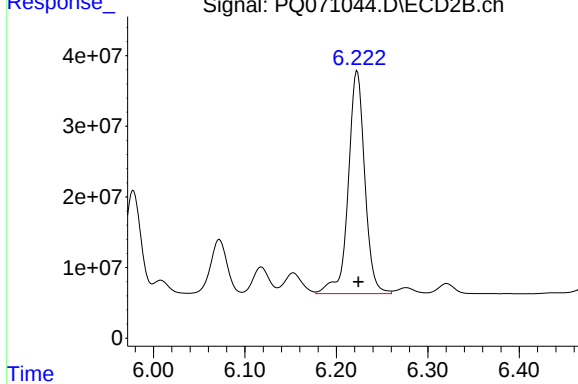
#35 AR-1260-5



R.T.: 7.147 min
Delta R.T.: 0.002 min
Response: 243117029
Conc: 560.47 ng/ml

Time Response_ Signal: PQ071044.D\ECD2B.ch

#35 AR-1260-5



R.T.: 6.223 min
Delta R.T.: -0.001 min
Response: 396317872
Conc: 471.65 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 13:57

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.01
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.01
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 13:57

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.19	4.20	4.10	4.30	0.01
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3376
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071134.D **Time Analyzed:** 13:57

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.479	4.380	4.580	526.520	500.000	5.3
Aroclor-1016-2	4.498	4.399	4.599	518.670	500.000	3.7
Aroclor-1016-3	4.555	4.456	4.656	529.350	500.000	5.9
Aroclor-1016-4	4.645	4.546	4.746	529.330	500.000	5.9
Aroclor-1016-5	4.931	4.831	5.031	530.670	500.000	6.1
Aroclor-1260-1	6.020	5.919	6.119	517.720	500.000	3.5
Aroclor-1260-2	6.276	6.175	6.375	527.440	500.000	5.5
Aroclor-1260-3	6.626	6.526	6.726	541.970	500.000	8.4
Aroclor-1260-4	6.840	6.740	6.940	552.700	500.000	10.5
Aroclor-1260-5	7.147	7.045	7.245	544.530	500.000	8.9
Decachlorobiphenyl	8.496	8.396	8.596	55.010	50.000	10.0
Tetrachloro-m-xylene	3.399	3.300	3.500	51.670	50.000	3.3



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3376
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071134.D **Time Analyzed:** 13:57

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	426.650	500.000	-14.7
Aroclor-1016-2	3.791	3.693	3.893	423.200	500.000	-15.4
Aroclor-1016-3	3.951	3.853	4.053	435.820	500.000	-12.8
Aroclor-1016-4	4.000	3.902	4.102	441.110	500.000	-11.8
Aroclor-1016-5	4.194	4.097	4.297	436.050	500.000	-12.8
Aroclor-1260-1	5.187	5.089	5.289	440.070	500.000	-12.0
Aroclor-1260-2	5.376	5.278	5.478	434.740	500.000	-13.1
Aroclor-1260-3	5.517	5.419	5.619	435.540	500.000	-12.9
Aroclor-1260-4	5.977	5.879	6.079	443.990	500.000	-11.2
Aroclor-1260-5	6.221	6.124	6.324	440.770	500.000	-11.8
Decachlorobiphenyl	7.531	7.433	7.633	51.870	50.000	3.7
Tetrachloro-m-xylene	2.776	2.678	2.878	46.000	50.000	-8.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
 Data File : PQ071134.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 13:57
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 15:55:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Oct 11 01:55:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.776	224.8E6	233.7E6	51.671	45.999
2) SA Decachlor...	8.496	7.531	159.8E6	261.9E6	55.012	51.873
Target Compounds						
3) L1 AR-1016-1	4.479	3.776	86424590	95570920	526.517	426.652
4) L1 AR-1016-2	4.498	3.791	132.9E6	143.9E6	518.666	423.197
5) L1 AR-1016-3	4.555	3.951	84228859	79258126	529.347	435.822
6) L1 AR-1016-4	4.645	4.000	68774906	69435746	529.326	441.106
7) L1 AR-1016-5	4.931	4.194	68351552	83651798	530.668	436.046
31) L7 AR-1260-1	6.020	5.187	121.4E6	158.6E6	517.723	440.070
32) L7 AR-1260-2	6.276	5.376	145.9E6	191.3E6	527.436	434.735
33) L7 AR-1260-3	6.626	5.517	108.0E6	180.7E6	541.972	435.541
34) L7 AR-1260-4	6.840	5.977	118.8E6	159.7E6	552.697	443.987
35) L7 AR-1260-5	7.147	6.221	236.2E6	370.4E6	544.526	440.768

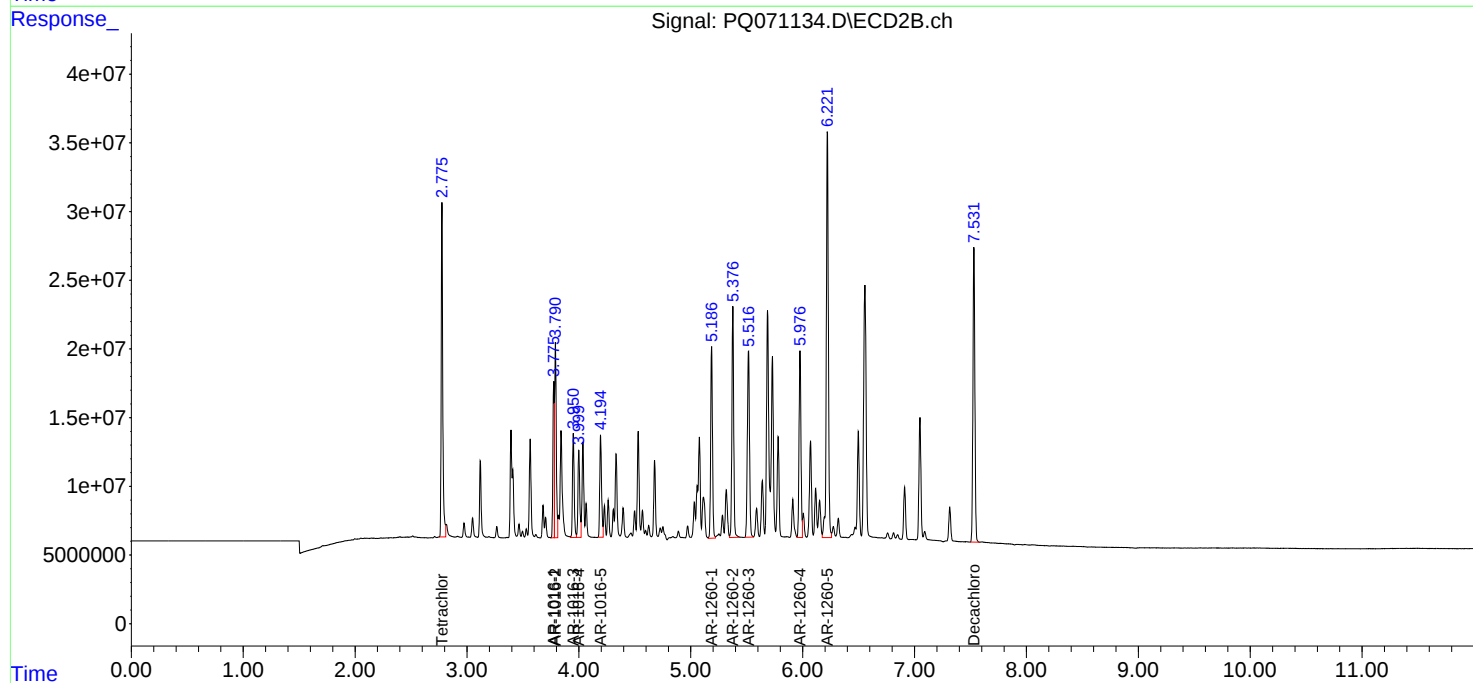
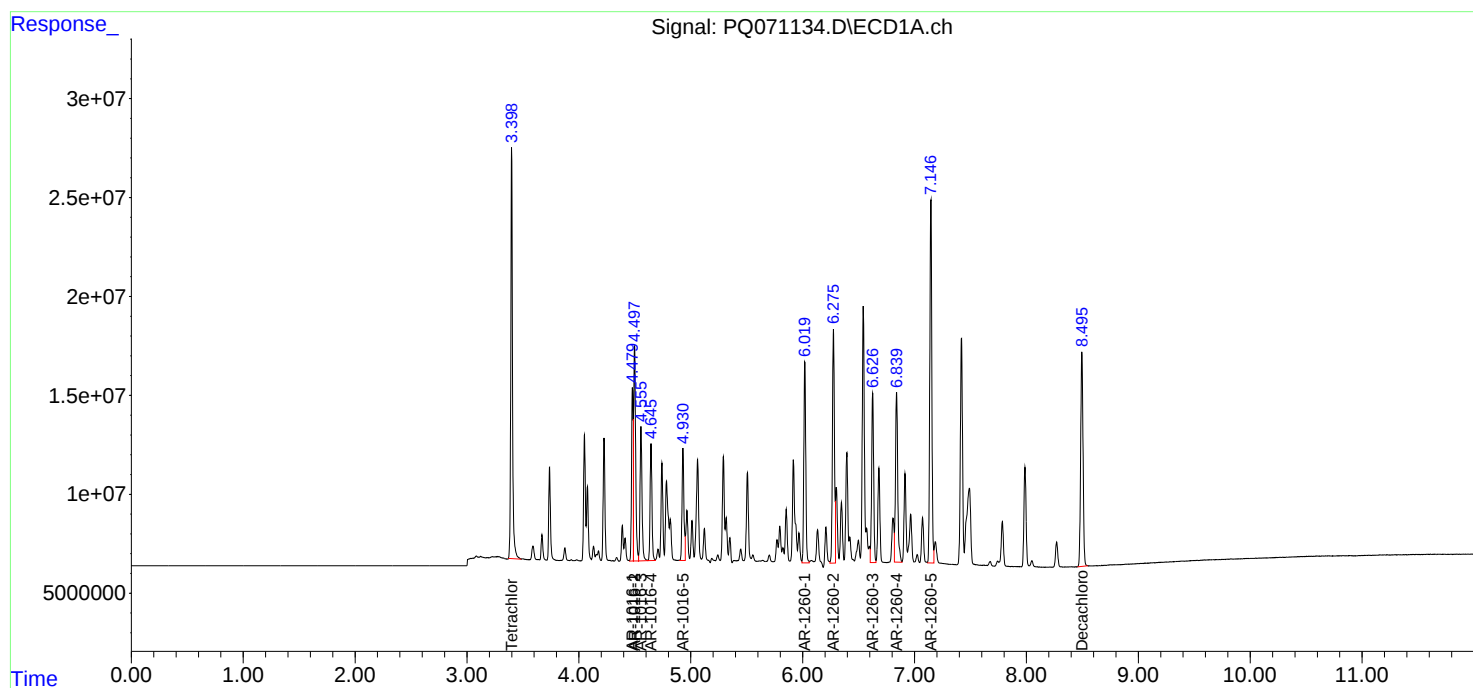
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

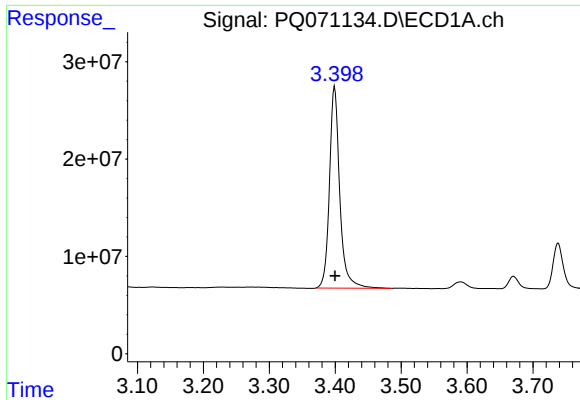
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
Data File : PQ071134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 13:57
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 15:55:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

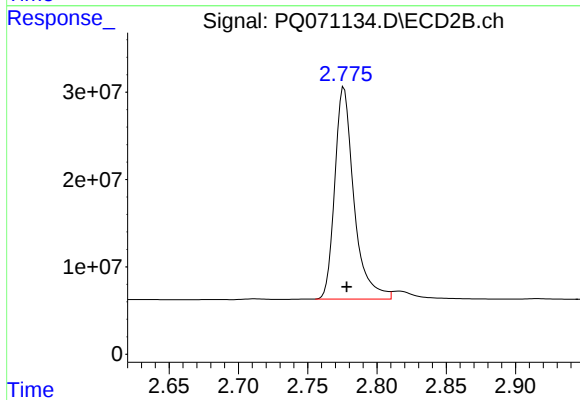




#1 Tetrachloro-m-xylene

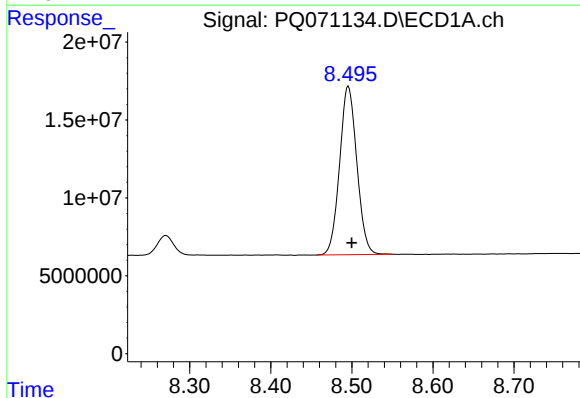
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 224783333
Conc: 51.67 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



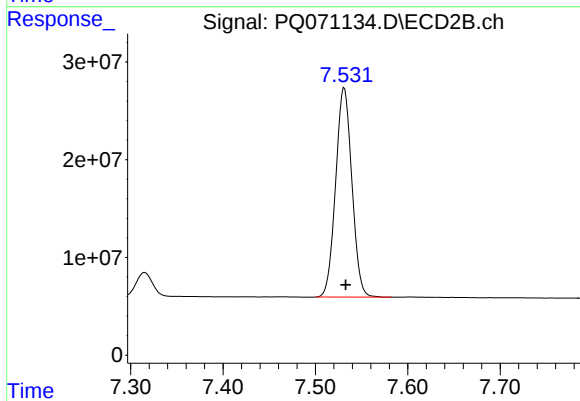
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 233676820
Conc: 46.00 ng/ml



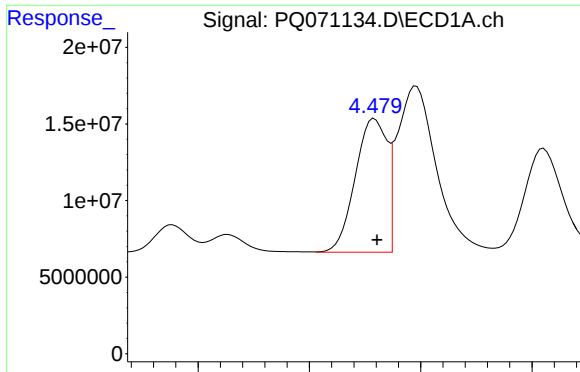
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: -0.004 min
Response: 159753870
Conc: 55.01 ng/ml



#2 Decachlorobiphenyl

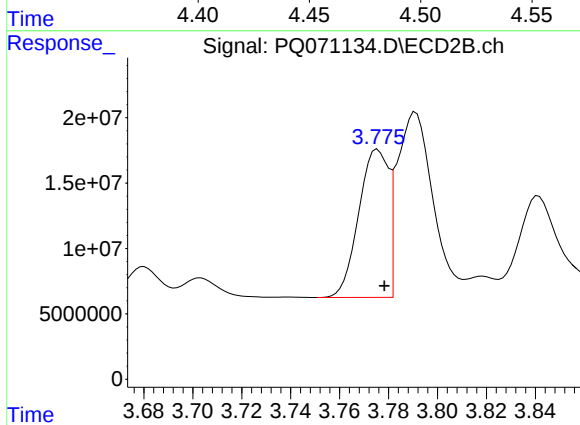
R.T.: 7.531 min
Delta R.T.: -0.002 min
Response: 261936965
Conc: 51.87 ng/ml



#3 AR-1016-1

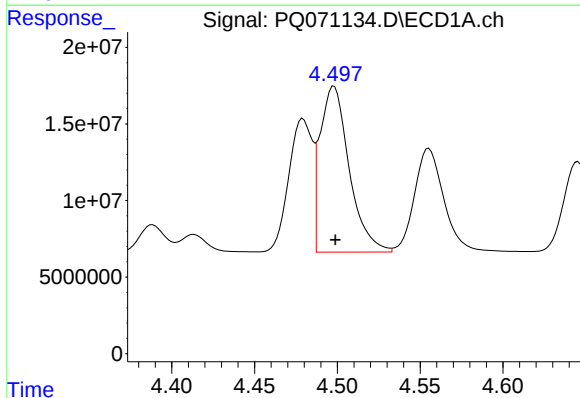
R.T.: 4.479 min
Delta R.T.: -0.001 min
Response: 86424590
Conc: 526.52 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



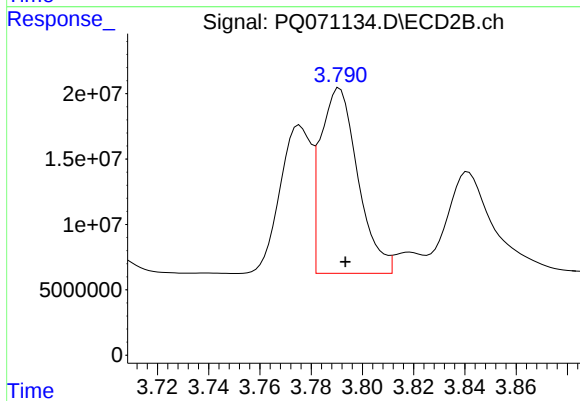
#3 AR-1016-1

R.T.: 3.776 min
Delta R.T.: -0.003 min
Response: 95570920
Conc: 426.65 ng/ml



#4 AR-1016-2

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 132931219
Conc: 518.67 ng/ml



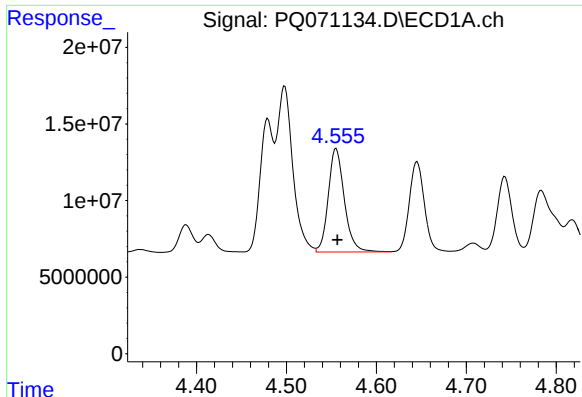
#4 AR-1016-2

R.T.: 3.791 min
Delta R.T.: -0.002 min
Response: 143939215
Conc: 423.20 ng/ml

#5 AR-1016-3

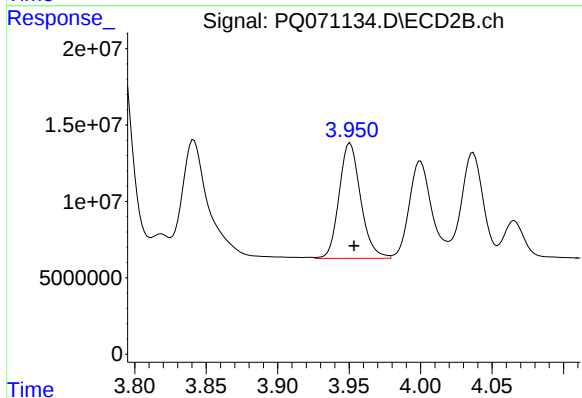
R.T.: 4.555 min
Delta R.T.: -0.001 min
Response: 84228859
Conc: 529.35 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



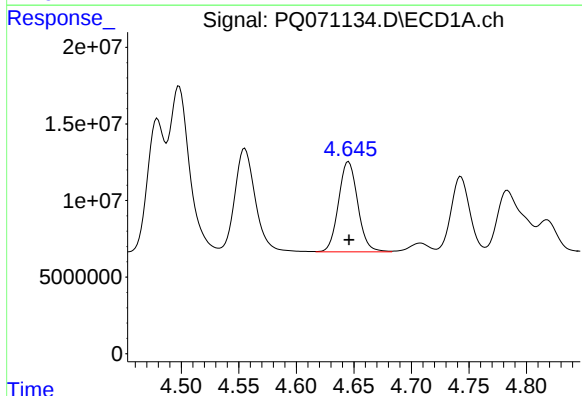
#5 AR-1016-3

R.T.: 3.951 min
Delta R.T.: -0.003 min
Response: 79258126
Conc: 435.82 ng/ml



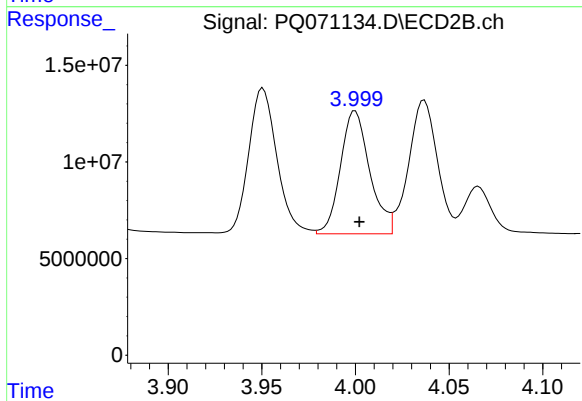
#6 AR-1016-4

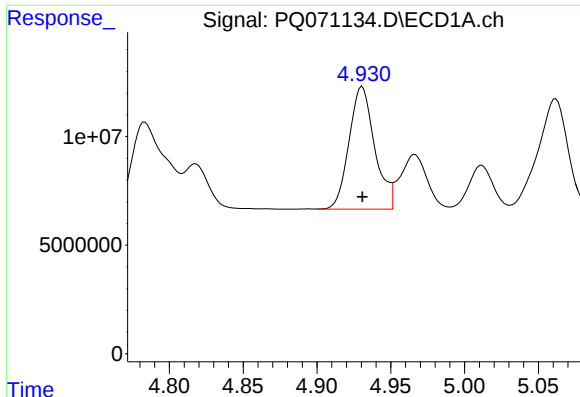
R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 68774906
Conc: 529.33 ng/ml



#6 AR-1016-4

R.T.: 4.000 min
Delta R.T.: -0.002 min
Response: 69435746
Conc: 441.11 ng/ml

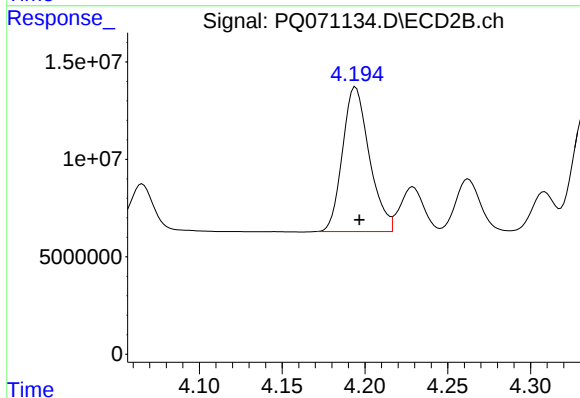




#7 AR-1016-5

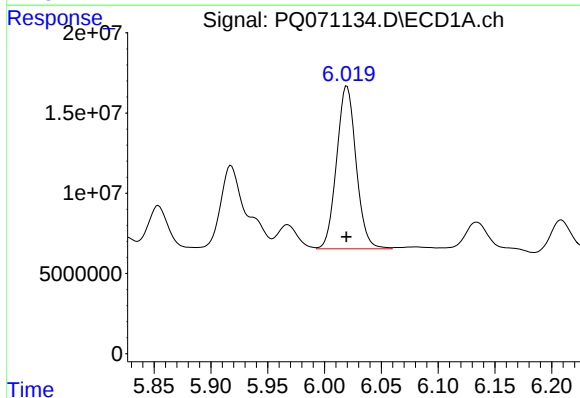
R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 68351552
Conc: 530.67 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



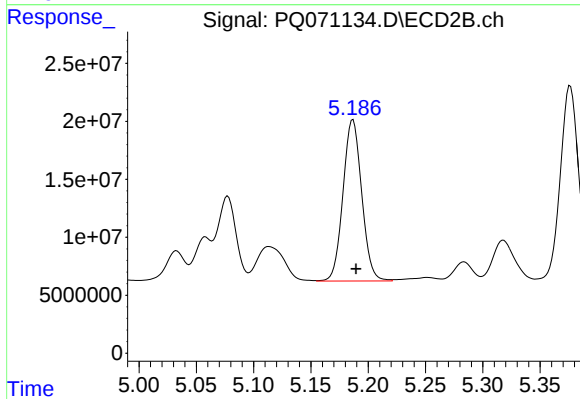
#7 AR-1016-5

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 83651798
Conc: 436.05 ng/ml



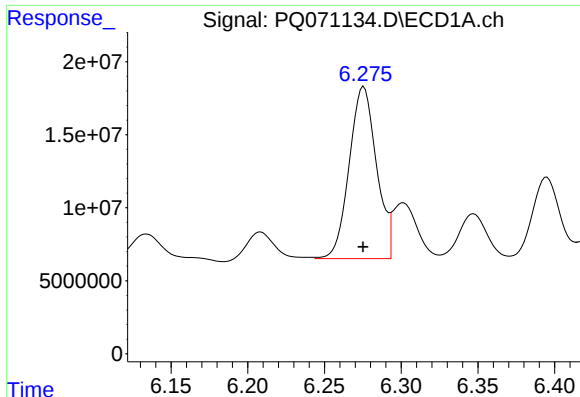
#31 AR-1260-1

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 121391122
Conc: 517.72 ng/ml



#31 AR-1260-1

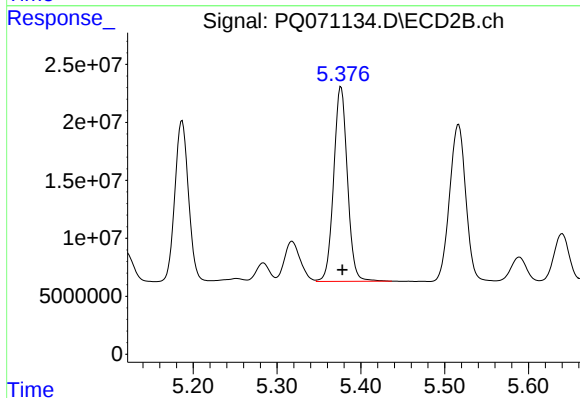
R.T.: 5.187 min
Delta R.T.: -0.003 min
Response: 158603962
Conc: 440.07 ng/ml



#32 AR-1260-2

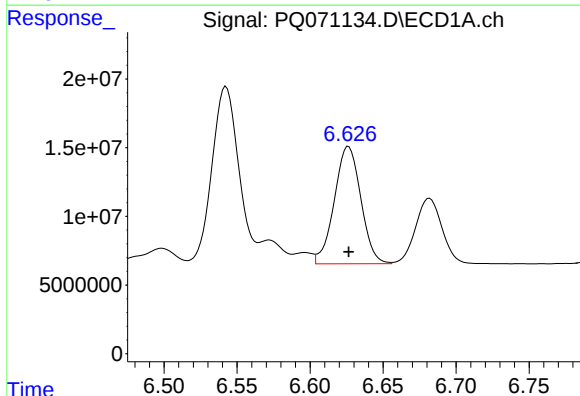
R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 145893433
Conc: 527.44 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



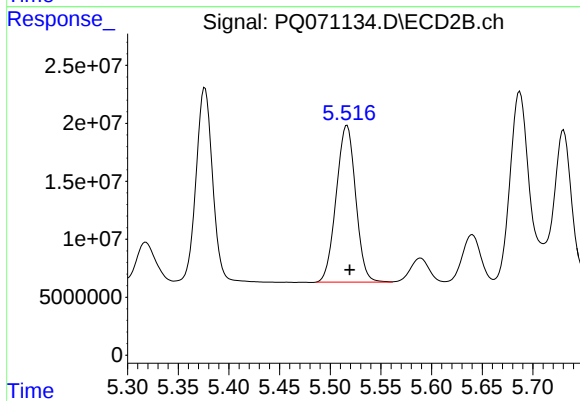
#32 AR-1260-2

R.T.: 5.376 min
Delta R.T.: -0.002 min
Response: 191280792
Conc: 434.74 ng/ml



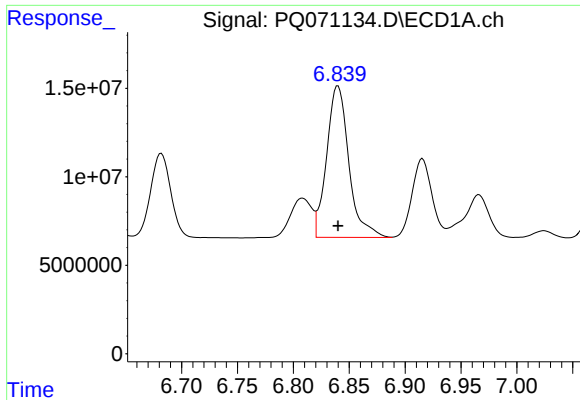
#33 AR-1260-3

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 108019447
Conc: 541.97 ng/ml



#33 AR-1260-3

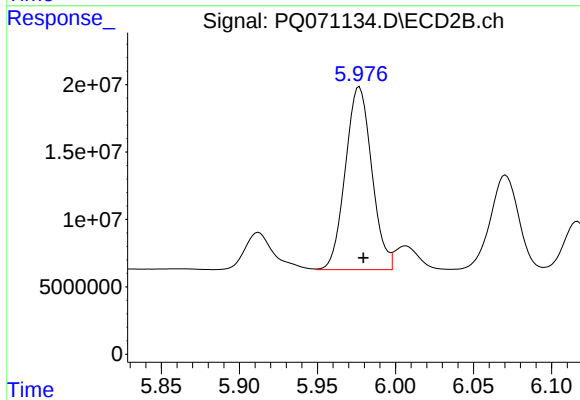
R.T.: 5.517 min
Delta R.T.: -0.003 min
Response: 180749435
Conc: 435.54 ng/ml



#34 AR-1260-4

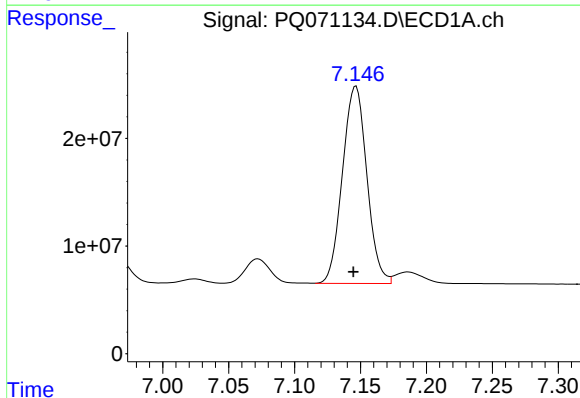
R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 118765308
Conc: 552.70 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500



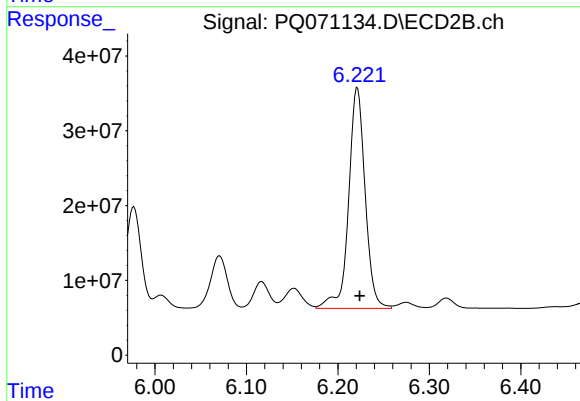
#34 AR-1260-4

R.T.: 5.977 min
Delta R.T.: -0.003 min
Response: 159729934
Conc: 443.99 ng/ml



#35 AR-1260-5

R.T.: 7.147 min
Delta R.T.: 0.002 min
Response: 236202862
Conc: 544.53 ng/ml



#35 AR-1260-5

R.T.: 6.221 min
Delta R.T.: -0.003 min
Response: 370369290
Conc: 440.77 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 17:21

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.01
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.01
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.27	6.28	6.18	6.38	0.01
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.01
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/10/2025 10/10/2025

Continuing Calib Time: 17:21

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.19	4.20	4.10	4.30	0.01
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3376
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071145.D **Time Analyzed:** 17:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.479	4.380	4.580	519.230	500.000	3.8
Aroclor-1016-2	4.498	4.399	4.599	522.060	500.000	4.4
Aroclor-1016-3	4.555	4.456	4.656	533.570	500.000	6.7
Aroclor-1016-4	4.645	4.546	4.746	534.850	500.000	7.0
Aroclor-1016-5	4.929	4.831	5.031	531.200	500.000	6.2
Aroclor-1260-1	6.019	5.919	6.119	511.710	500.000	2.3
Aroclor-1260-2	6.274	6.175	6.375	517.130	500.000	3.4
Aroclor-1260-3	6.626	6.526	6.726	555.580	500.000	11.1
Aroclor-1260-4	6.840	6.740	6.940	559.920	500.000	12.0
Aroclor-1260-5	7.145	7.045	7.245	554.240	500.000	10.8
Decachlorobiphenyl	8.496	8.396	8.596	55.690	50.000	11.4
Tetrachloro-m-xylene	3.399	3.300	3.500	52.260	50.000	4.5



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3376
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071145.D **Time Analyzed:** 17:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.775	3.678	3.878	425.620	500.000	-14.9
Aroclor-1016-2	3.791	3.693	3.893	426.460	500.000	-14.7
Aroclor-1016-3	3.951	3.853	4.053	444.290	500.000	-11.1
Aroclor-1016-4	4.000	3.902	4.102	443.950	500.000	-11.2
Aroclor-1016-5	4.194	4.097	4.297	433.880	500.000	-13.2
Aroclor-1260-1	5.187	5.089	5.289	462.090	500.000	-7.6
Aroclor-1260-2	5.377	5.278	5.478	444.270	500.000	-11.1
Aroclor-1260-3	5.517	5.419	5.619	427.930	500.000	-14.4
Aroclor-1260-4	5.977	5.879	6.079	449.520	500.000	-10.1
Aroclor-1260-5	6.222	6.124	6.324	426.790	500.000	-14.6
Decachlorobiphenyl	7.531	7.433	7.633	52.860	50.000	5.7
Tetrachloro-m-xylene	2.776	2.678	2.878	45.740	50.000	-8.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
Data File : PQ071145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 17:21
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 17:34:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.776	227.4E6	232.4E6	52.261	45.743
2) SA Decachlor...	8.496	7.531	161.7E6	266.9E6	55.689	52.863
Target Compounds						
3) L1 AR-1016-1	4.479	3.775	85228457	95338827	519.230	425.616
4) L1 AR-1016-2	4.498	3.791	133.8E6	145.0E6	522.062	426.462
5) L1 AR-1016-3	4.555	3.951	84901406	80797875	533.574	444.289
6) L1 AR-1016-4	4.645	4.000	69493062	69882808	534.853	443.947
7) L1 AR-1016-5	4.929	4.194	68420594	83236545	531.204	433.881m
31) L7 AR-1260-1	6.019	5.187	120.0E6	166.5E6	511.714m	462.089
32) L7 AR-1260-2	6.274	5.377	143.0E6	195.5E6	517.126m	444.271
33) L7 AR-1260-3	6.626	5.517	110.7E6	177.6E6	555.584	427.927
34) L7 AR-1260-4	6.840	5.977	120.3E6	161.7E6	559.919	449.524
35) L7 AR-1260-5	7.145	6.222	240.4E6	358.6E6	554.244	426.792

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
Data File : PQ071145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 17:21
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR1660CCC500

Manual Integrations

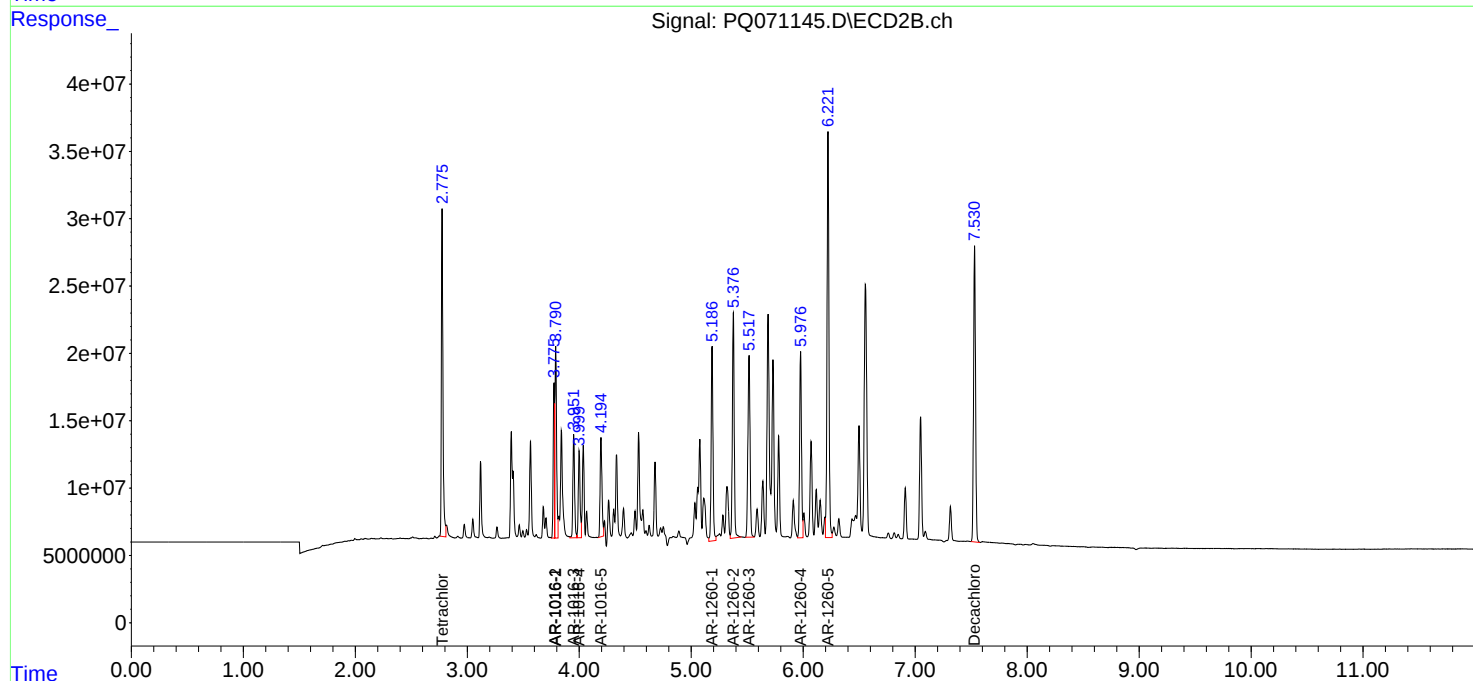
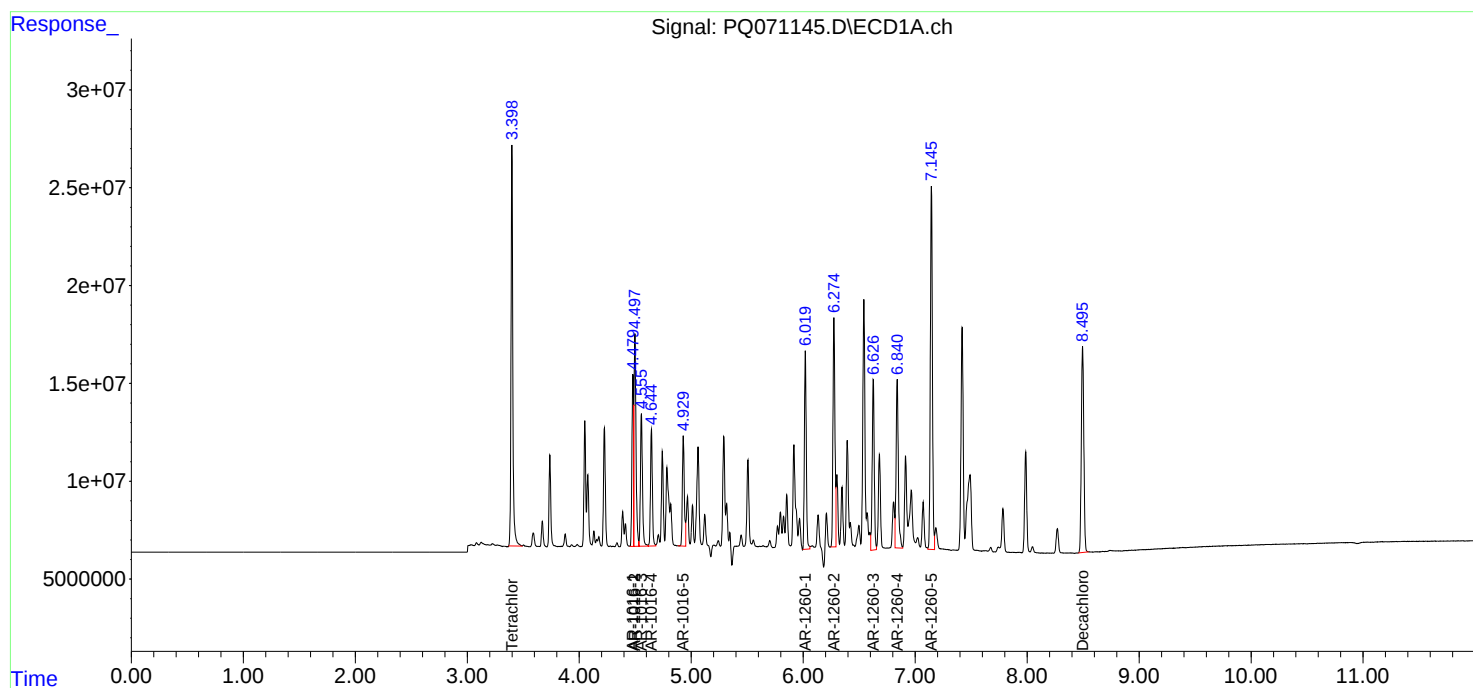
APPROVED

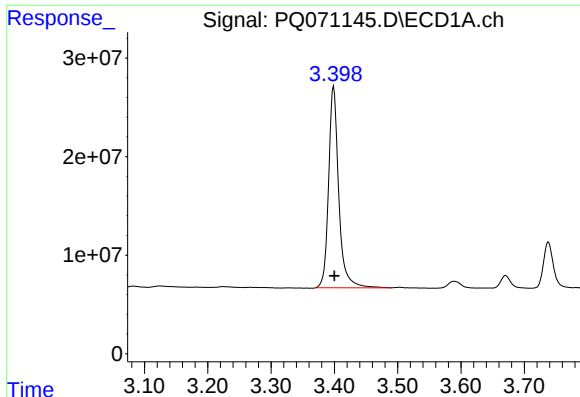
Reviewed By :Yogesh Patel 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 17:34:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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





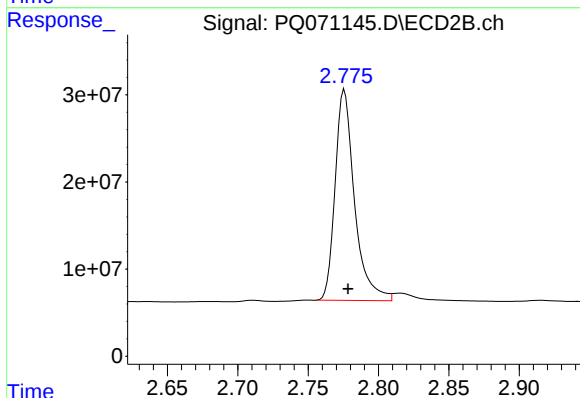
#1 Tetrachloro-m-xylene

R.T.: 3.399 min
Delta R.T.: -0.001 min
Response: 227351508
Conc: 52.26 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

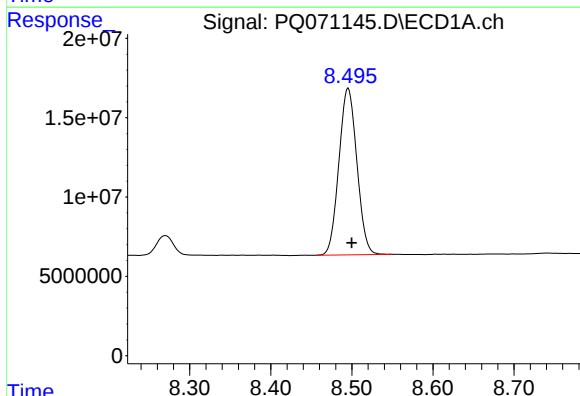
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



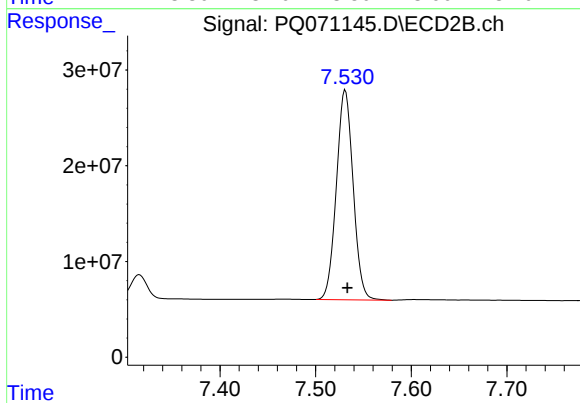
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 232376394
Conc: 45.74 ng/ml



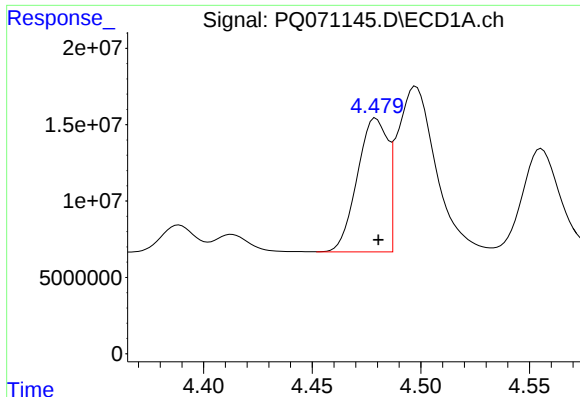
#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: -0.004 min
Response: 161720231
Conc: 55.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.531 min
Delta R.T.: -0.002 min
Response: 266937300
Conc: 52.86 ng/ml



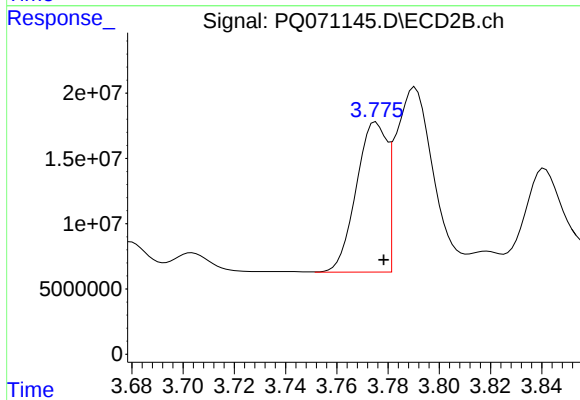
#3 AR-1016-1

R.T.: 4.479 min
Delta R.T.: -0.001 min
Response: 85228457
Conc: 519.23 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

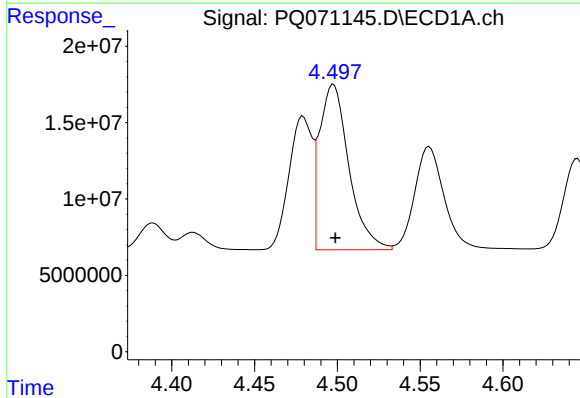
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



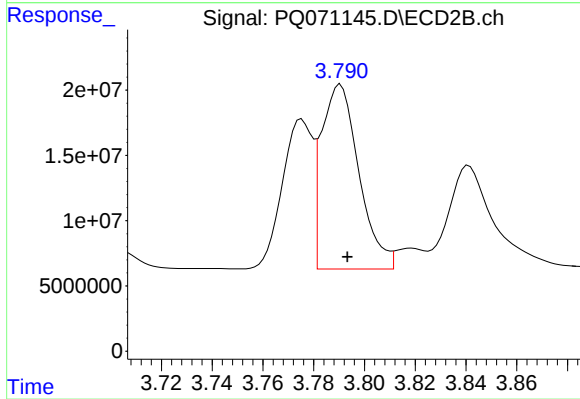
#3 AR-1016-1

R.T.: 3.775 min
Delta R.T.: -0.003 min
Response: 95338827
Conc: 425.62 ng/ml



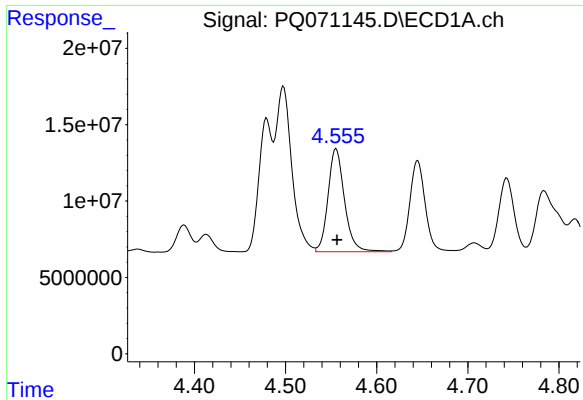
#4 AR-1016-2

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 133801661
Conc: 522.06 ng/ml



#4 AR-1016-2

R.T.: 3.791 min
Delta R.T.: -0.003 min
Response: 145049447
Conc: 426.46 ng/ml



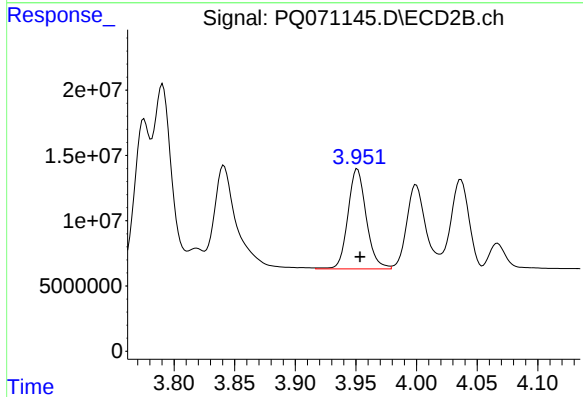
#5 AR-1016-3

R.T.: 4.555 min
Delta R.T.: 0.000 min
Response: 84901406
Conc: 533.57 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

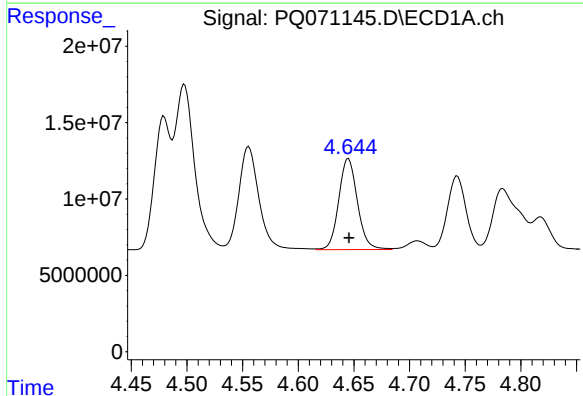
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



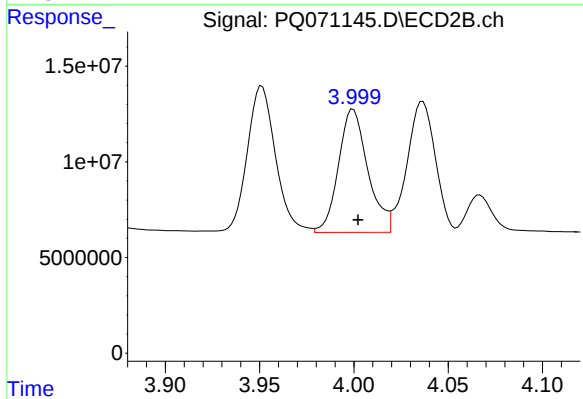
#5 AR-1016-3

R.T.: 3.951 min
Delta R.T.: -0.002 min
Response: 80797875
Conc: 444.29 ng/ml



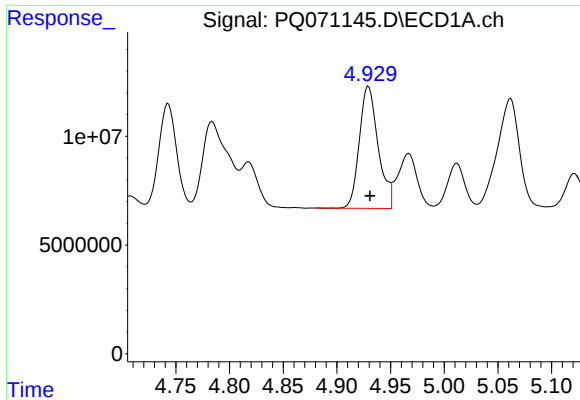
#6 AR-1016-4

R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 69493062
Conc: 534.85 ng/ml



#6 AR-1016-4

R.T.: 4.000 min
Delta R.T.: -0.003 min
Response: 69882808
Conc: 443.95 ng/ml



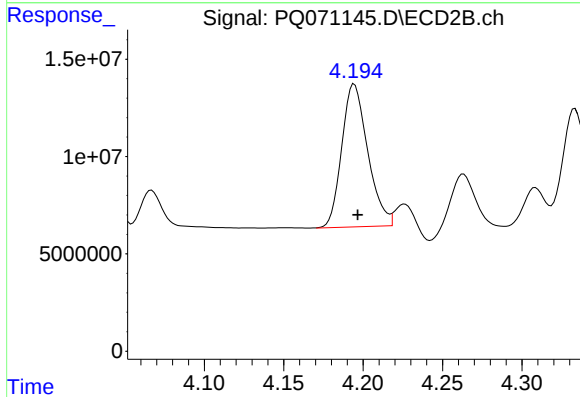
#7 AR-1016-5

R.T.: 4.929 min
Delta R.T.: -0.002 min
Response: 68420594
Conc: 531.20 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

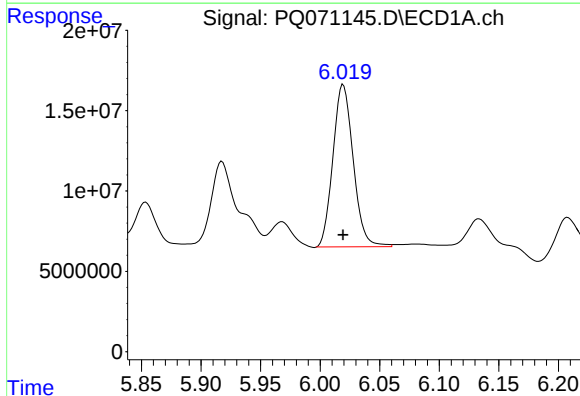
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



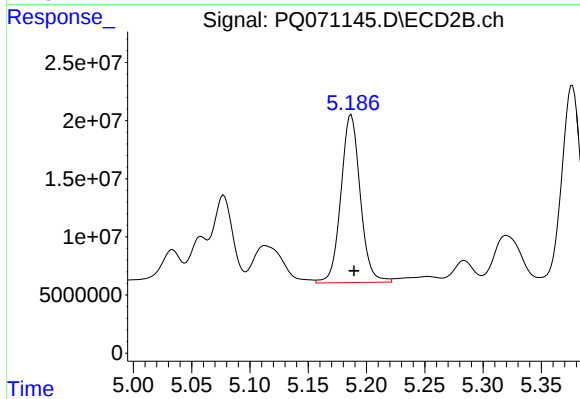
#7 AR-1016-5

R.T.: 4.194 min
Delta R.T.: -0.003 min
Response: 83236545
Conc: 433.88 ng/ml m



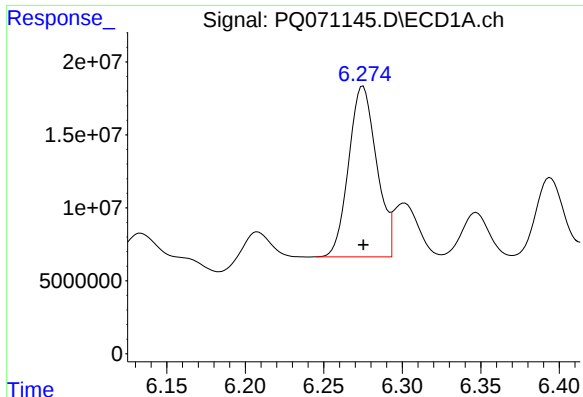
#31 AR-1260-1

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 119982073
Conc: 511.71 ng/ml m



#31 AR-1260-1

R.T.: 5.187 min
Delta R.T.: -0.003 min
Response: 166539766
Conc: 462.09 ng/ml



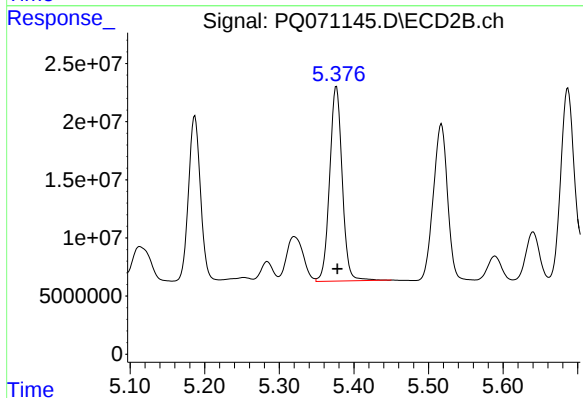
#32 AR-1260-2

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 143041732
Conc: 517.13 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

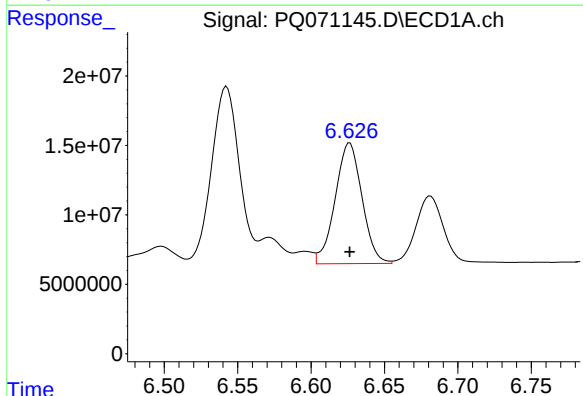
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



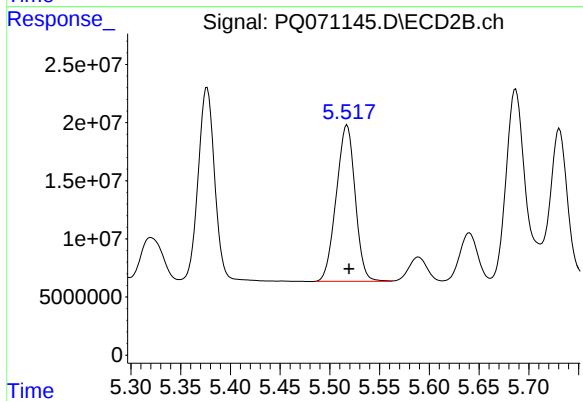
#32 AR-1260-2

R.T.: 5.377 min
Delta R.T.: -0.002 min
Response: 195476412
Conc: 444.27 ng/ml



#33 AR-1260-3

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 110732452
Conc: 555.58 ng/ml



#33 AR-1260-3

R.T.: 5.517 min
Delta R.T.: -0.002 min
Response: 177589537
Conc: 427.93 ng/ml

Response_ Signal: PQ071145.D\ECD1A.ch

#34 AR-1260-4

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 120317188
Conc: 559.92 ng/ml

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

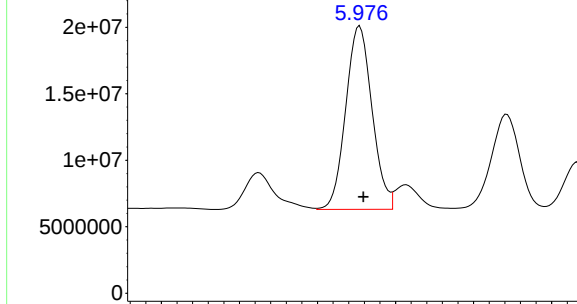
Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

Time 6.65 6.70 6.75 6.80 6.85 6.90 6.95 7.00

Response_ Signal: PQ071145.D\ECD2B.ch

#34 AR-1260-4

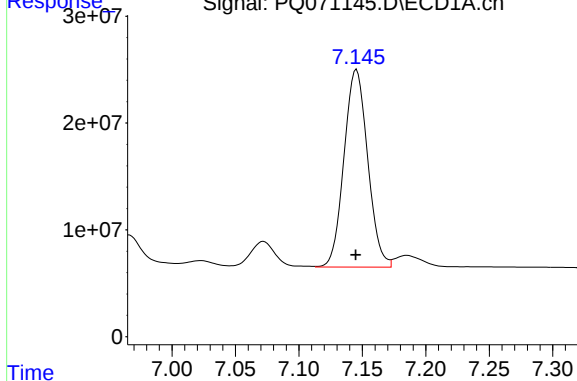
R.T.: 5.977 min
Delta R.T.: -0.002 min
Response: 161722051
Conc: 449.52 ng/ml



Response_ Signal: PQ071145.D\ECD1A.ch

#35 AR-1260-5

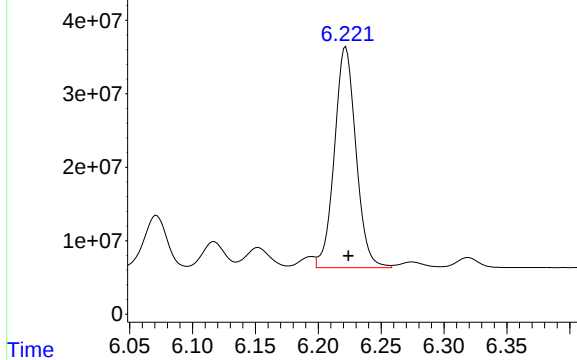
R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 240418249
Conc: 554.24 ng/ml



Response_ Signal: PQ071145.D\ECD2B.ch

#35 AR-1260-5

R.T.: 6.222 min
Delta R.T.: -0.002 min
Response: 358625596
Conc: 426.79 ng/ml



Analytical Sequence

Client: AECOM	SDG No.: Q3376
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_Q
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/10/2025 10/10/2025

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	10/10/2025	08:42	PQ070972.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	8.50	3.40
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	8.50	3.40
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	8.50	3.40
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	8.50	3.40
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	8.50	3.40
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	8.50	3.40
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	8.50	3.40
AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	8.50	3.40
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	8.50	3.40
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	8.50	3.40
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	8.50	3.40
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	8.50	3.40
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	8.50	3.40
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	8.50	3.40
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	8.50	3.40
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	8.50	3.40
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	8.50	3.40
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	8.50	3.40
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	8.50	3.40
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	8.50	3.40
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	8.50	3.40
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	8.50	3.40
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	8.50	3.40
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	8.50	3.40
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	8.50	3.40
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	8.50	3.40
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	8.50	3.40
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/21/2025	11:06	PQ071029.D	8.50	3.40
IBLK	IBLK	10/21/2025	12:09	PQ071033.D	8.50	3.40
PB170178BL	PB170178BL	10/21/2025	13:31	PQ071034.D	8.52	3.42
PR132-S05-057082-20251016	Q3376-01	10/21/2025	14:00	PQ071036.D	8.50	3.40
PR132-DP01-20251016	Q3376-02	10/21/2025	14:15	PQ071037.D	8.50	3.40
PR132-COMP2-20251016	Q3376-03	10/21/2025	14:30	PQ071038.D	8.50	3.40
PR132-S12-047072-20251016	Q3376-04	10/21/2025	14:44	PQ071039.D	8.50	3.40
PR132-S12-020047-20251016	Q3376-05	10/21/2025	14:59	PQ071040.D	8.50	3.40
41-LAMS	Q3402-01MS	10/21/2025	15:28	PQ071042.D	8.50	3.40
41-LAMSD	Q3402-01MSD	10/21/2025	15:42	PQ071043.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/21/2025	16:41	PQ071044.D	8.50	3.40
IBLK	IBLK	10/21/2025	18:08	PQ071048.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	13:57	PQ071134.D	8.50	3.40

Analytical Sequence

I.BLK	I.BLK	10/24/2025	14:55	PQ071138.D	8.50	3.40
PB170178BS	PB170178BS	10/24/2025	15:24	PQ071140.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	17:21	PQ071145.D	8.50	3.40
I.BLK	I.BLK	10/24/2025	18:05	PQ071147.D	8.50	3.40

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

Analytical Sequence

Client: AECOM	SDG No.: Q3376
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_Q
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/10/2025 10/10/2025

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	10/10/2025	08:42	PQ070972.D	7.53	2.78
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	7.53	2.78
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	7.53	2.78
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	7.53	2.78
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	7.53	2.78
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	7.53	2.78
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	7.53	2.78
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	7.53	2.78
AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	7.53	2.78
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	7.53	2.78
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	7.53	2.78
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	7.53	2.78
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	7.53	2.78
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	7.53	2.78
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	7.53	2.78
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	7.53	2.78
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	7.53	2.78
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	7.53	2.78
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	7.53	2.78
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	7.53	2.78
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	7.53	2.78
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	7.53	2.78
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	7.53	2.78
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	7.53	2.78
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	7.53	2.78
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	7.53	2.78
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	7.53	2.78
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	7.53	2.78
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/21/2025	11:06	PQ071029.D	7.53	2.78
IBLK	IBLK	10/21/2025	12:09	PQ071033.D	7.53	2.78
PB170178BL	PB170178BL	10/21/2025	13:31	PQ071034.D	7.54	2.77
PR132-S05-057082-20251016	Q3376-01	10/21/2025	14:00	PQ071036.D	7.53	2.78
PR132-DP01-20251016	Q3376-02	10/21/2025	14:15	PQ071037.D	7.53	2.78
PR132-COMP2-20251016	Q3376-03	10/21/2025	14:30	PQ071038.D	7.53	2.78
PR132-S12-047072-20251016	Q3376-04	10/21/2025	14:44	PQ071039.D	7.53	2.78
PR132-S12-020047-20251016	Q3376-05	10/21/2025	14:59	PQ071040.D	7.53	2.78
41-LAMS	Q3402-01MS	10/21/2025	15:28	PQ071042.D	7.53	2.78
41-LAMSD	Q3402-01MSD	10/21/2025	15:42	PQ071043.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/21/2025	16:41	PQ071044.D	7.53	2.78
IBLK	IBLK	10/21/2025	18:08	PQ071048.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	13:57	PQ071134.D	7.53	2.78

Analytical Sequence

I.BLK	I.BLK	10/24/2025	14:55	PQ071138.D	7.53	2.78
PB170178BS	PB170178BS	10/24/2025	15:24	PQ071140.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	17:21	PQ071145.D	7.53	2.78
I.BLK	I.BLK	10/24/2025	18:05	PQ071147.D	7.53	2.78

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PR132-S05-057082-2025

Lab Name: Alliance
Lab Code: ACE
Lab Sample ID: Q3376-01
Instrument ID (1): ECD_Q

Contract: AECO02
SDG NO.: Q3376
Date(s) Analyzed: 10/21/2025 10/21/2025
Instrument ID (2): ECD_Q

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)
Data file PQ071036.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1254	1	5.297	5.247	5.347	14.2	23.9	
	2	5.506	5.456	5.556	38.0		
	3	5.865	5.815	5.915	33.1		
	4	6.137	6.087	6.187	14.3		
	5	6.545	6.495	6.595	20.2		
COLUMN 1	1	4.543	4.493	4.593	42.8	30.0	
	2	4.675	4.625	4.725	65.2		
	3	5.058	5.008	5.108	9.22		
	4	5.284	5.234	5.334	12.2		
	5	5.688	5.638	5.738	20.4		
COLUMN 2	1	4.543	4.493	4.593	42.8	30.0	
	2	4.675	4.625	4.725	65.2		
	3	5.058	5.008	5.108	9.22		
	4	5.284	5.234	5.334	12.2		
	5	5.688	5.638	5.738	20.4		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PR132-DP01-20251016

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Lab Sample ID: Q3376-02

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

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

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

Data file PQ071037.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1254	1	5.295	5.245	5.345	12.2	23.5	21.63
COLUMN 1	2	5.505	5.455	5.555	35.7		
	3	5.86	5.81	5.91	31.4		
	4	6.136	6.086	6.186	15.2		
	5	6.545	6.495	6.595	23.1		
	1	4.544	4.494	4.594	43.2		
COLUMN 2	2	4.675	4.625	4.725	51.3	29.2	
	3	5.059	5.009	5.109	16.4		
	4	5.285	5.235	5.335	13.7		
	5	5.688	5.638	5.738	21.2		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PR132-S12-047072-2025

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Lab Sample ID: Q3376-04

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

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

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

Data file PQ071039.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1248	1	4.481	4.431	4.531	57.1	43.1	11.58
COLUMN 1	2	4.744	4.694	4.794	49.4		
	3	4.931	4.881	4.981	35.8		
	4	5.318	5.268	5.368	27.3		
	5	5.354	5.304	5.404	46.0		
	1	3.777	3.727	3.827	74.7		
COLUMN 2	2	4.001	3.951	4.051	47.6	48.4	
	3	4.038	3.988	4.088	46.9		
	4	4.195	4.145	4.245	40.7		
	5	4.569	4.519	4.619	32.3		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PR132-S12-020047-2025

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Lab Sample ID: Q3376-05

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

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

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

Data file PQ071040.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1248	1	4.482	4.432	4.532	6.88	8.90	18.37
COLUMN 1	2	4.744	4.694	4.794	16.1		
	3	4.931	4.881	4.981	7.64		
	4	5.317	5.267	5.367	5.08		
	5	5.355	5.305	5.405	8.53		
	1	3.778	3.728	3.828	8.73		
COLUMN 2	2	4.001	3.951	4.051	12.6	10.7	
	3	4.037	3.987	4.087	10.4		
	4	4.194	4.144	4.244	12.4		
	5	4.569	4.519	4.619	9.46		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

41-LAMS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Lab Sample ID: Q3402-01MS

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

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

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

Data file PQ071042.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.481	4.431	4.531	202	224	
	2	4.499	4.449	4.549	227		
COLUMN 1	3	4.556	4.506	4.606	228		
	4	4.646	4.596	4.696	243		
	5	4.93	4.88	4.98	218		
COLUMN 2	1	3.776	3.726	3.826	195	199	
	2	3.792	3.742	3.842	203		
	3	3.952	3.902	4.002	203		
	4	4.001	3.951	4.051	194		
	5	4.196	4.146	4.246	197		
Aroclor-1260	1	6.02	5.97	6.07	205	183	
	2	6.276	6.226	6.326	201		
COLUMN 1	3	6.627	6.577	6.677	163		
	4	6.841	6.791	6.891	175		
	5	7.147	7.097	7.197	170		
COLUMN 2	1	5.188	5.138	5.238	187	167	
	2	5.378	5.328	5.428	183		
	3	5.518	5.468	5.568	181		
	4	5.979	5.929	6.029	151		
	5	6.224	6.174	6.274	133		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

41-LAMSD

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Lab Sample ID: Q3402-01MSD

Date(s) Analyzed: 10/21/2025 10/21/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

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

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

Data file PQ071043.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.48	4.43	4.53	196	222	12.44
COLUMN 1	2	4.499	4.449	4.549	224		
	3	4.556	4.506	4.606	229		
	4	4.646	4.596	4.696	246		
	5	4.93	4.88	4.98	213		
	1	3.776	3.726	3.826	195		
COLUMN 2	2	3.792	3.742	3.842	200	196	
	3	3.952	3.902	4.002	201		
	4	4.001	3.951	4.051	191		
	5	4.196	4.146	4.246	193		
Aroclor-1260	1	6.02	5.97	6.07	203	179	8.75
COLUMN 1	2	6.276	6.226	6.326	196		
	3	6.628	6.578	6.678	159		
	4	6.841	6.791	6.891	171		
	5	7.147	7.097	7.197	167		
	1	5.188	5.138	5.238	183		
COLUMN 2	2	5.377	5.327	5.427	182	164	
	3	5.518	5.468	5.568	178		
	4	5.978	5.928	6.028	148		
	5	6.223	6.173	6.273	130		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170178BS

Lab Name: Alliance

Contract: AE002

Lab Code: ACE

SDG NO.: Q3376

Lab Sample ID: PB170178BS

Date(s) Analyzed: 10/24/2025 10/24/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

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

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

Data file PQ071140.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.479	4.429	4.529	179	183	19.82
COLUMN 1	2	4.498	4.448	4.548	183		
	3	4.556	4.506	4.606	185		
	4	4.645	4.595	4.695	187		
	5	4.93	4.88	4.98	179		
	1	3.775	3.725	3.825	149		
COLUMN 2	2	3.791	3.741	3.841	148	150	
	3	3.951	3.901	4.001	153		
	4	4	3.95	4.05	151		
	5	4.195	4.145	4.245	149		
Aroclor-1260	1	6.019	5.969	6.069	185	181	19.39
COLUMN 1	2	6.275	6.225	6.325	200		
	3	6.626	6.576	6.676	166		
	4	6.84	6.79	6.89	177		
	5	7.146	7.096	7.196	176		
	1	5.186	5.136	5.236	162		
COLUMN 2	2	5.376	5.326	5.426	154	149	
	3	5.516	5.466	5.566	154		
	4	5.977	5.927	6.027	139		
	5	6.222	6.172	6.272	134		



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

Report of Analysis

Client: AECOM	Date Collected:	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID: PB170178BL	SDG No.:	Q3376
Lab Sample ID: PB170178BL	Matrix:	SOIL
Analytical Method: 8082A	% Solid:	100
Sample Wt/Vol: 30.01 g	Test:	PCB
Prep Method: SW3541B	Final Vol: 10000 uL	
	Prep Date 10/21/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	17.0	U	1	3.90	17.0	ug/kg	10/21/25 13:31	PB170178
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/21/25 13:31	PB170178
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/21/25 13:31	PB170178
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/21/25 13:31	PB170178
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/21/25 13:31	PB170178
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/21/25 13:31	PB170178
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/21/25 13:31	PB170178
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/21/25 13:31	PB170178
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/21/25 13:31	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.1			32 - 144	130%	SPK: 20		
2051-24-3	Decachlorobiphenyl	29.7			32 - 175	148%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 13:31
Operator : YP\AJ
Sample : PB170178BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170178BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 16:57:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.774	113.4E6	120.7E6	26.073	23.755
2) SA Decachlor...	8.524	7.537	86123231	142.0E6	29.657	28.130

Target Compounds

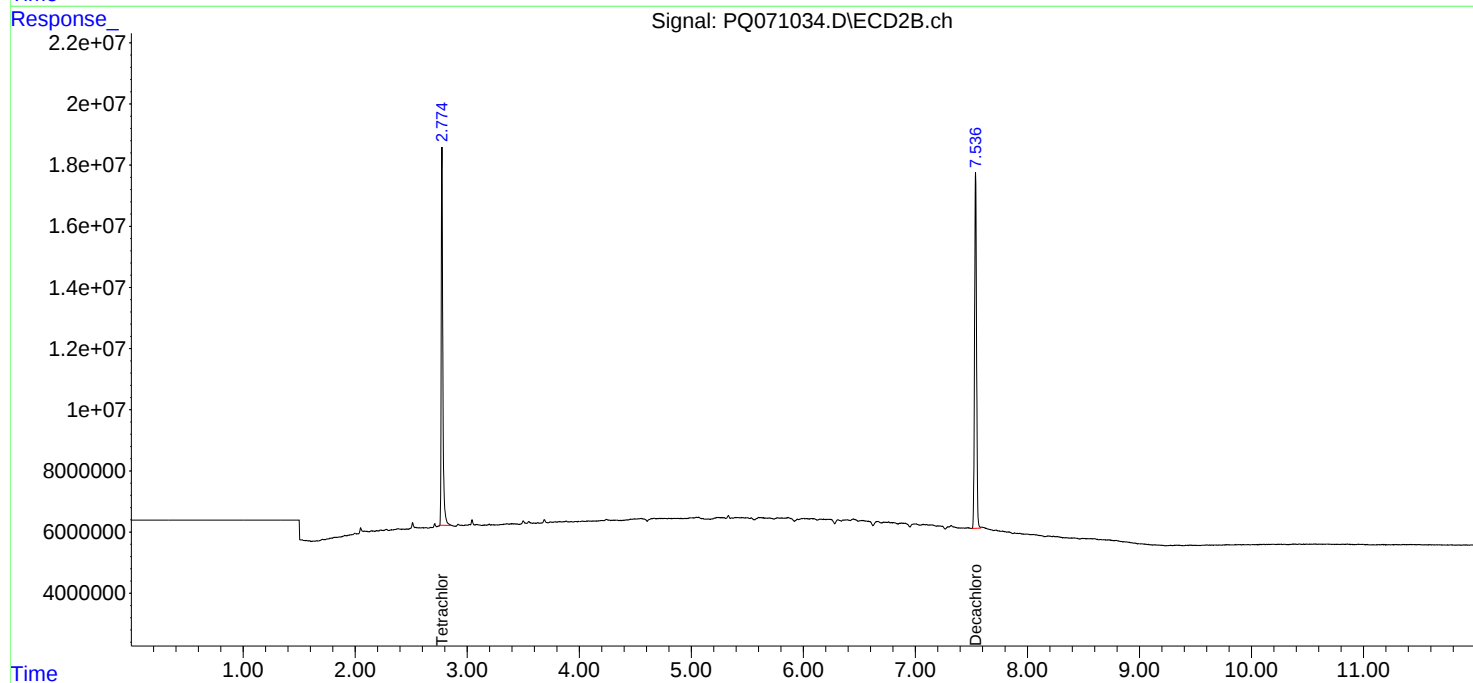
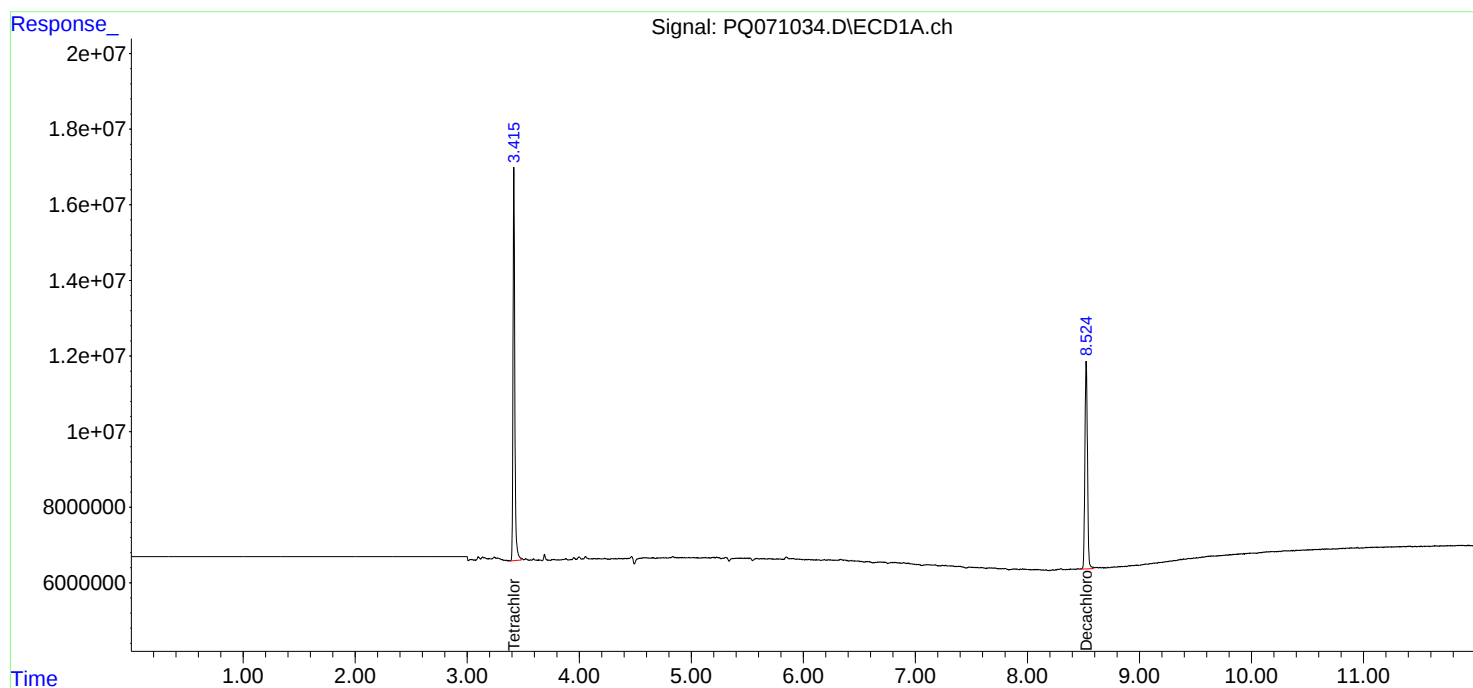
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

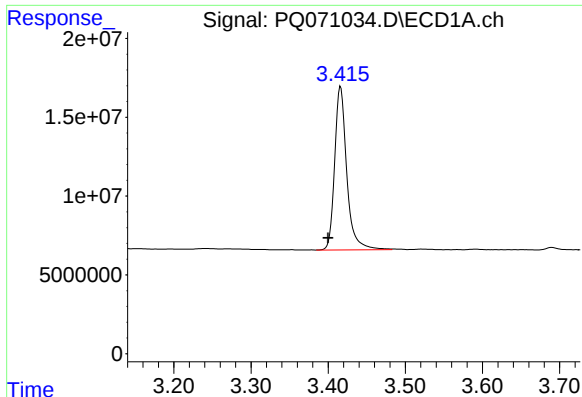
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 13:31
Operator : YP\AJ
Sample : PB170178BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170178BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 16:57:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

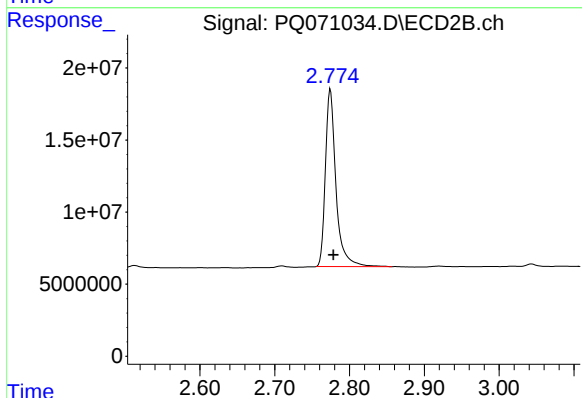




#1 Tetrachloro-m-xylene

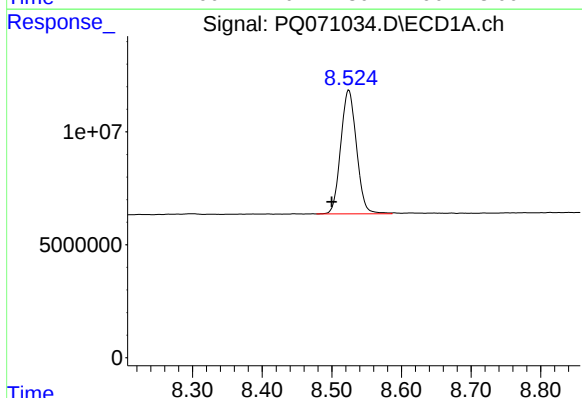
R.T.: 3.416 min
Delta R.T.: 0.016 min
Response: 113423886
Conc: 26.07 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PB170178BL



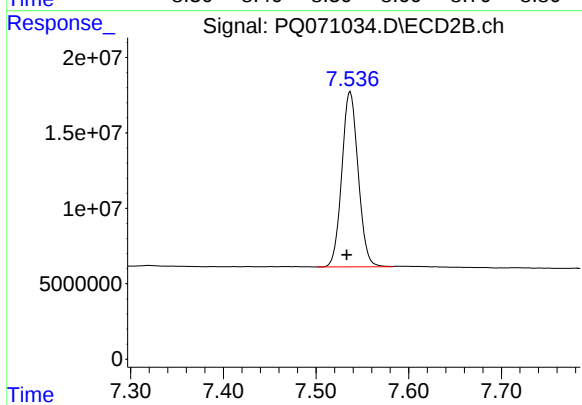
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.004 min
Response: 120674472
Conc: 23.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.524 min
Delta R.T.: 0.024 min
Response: 86123231
Conc: 29.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.537 min
Delta R.T.: 0.004 min
Response: 142042360
Conc: 28.13 ng/ml

Report of Analysis

Client:	AECOM		Date Collected:	10/10/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/10/25
Client Sample ID:	PIBLK-PQ070972.D		SDG No.:	Q3376
Lab Sample ID:	I.BLK-PQ070972.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/10/25	pq101025
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/10/25	pq101025
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/10/25	pq101025
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/10/25	pq101025
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/10/25	pq101025
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/10/25	pq101025
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/10/25	pq101025
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/10/25	pq101025
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/10/25	pq101025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.3			60 - 140	91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140	95%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 08:42
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 17:32:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 17:24:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.778	79509611	97022264	18.277	19.099
2) SA Decachlor...	8.496	7.533	55246960	97962147	19.025	19.400

Target Compounds

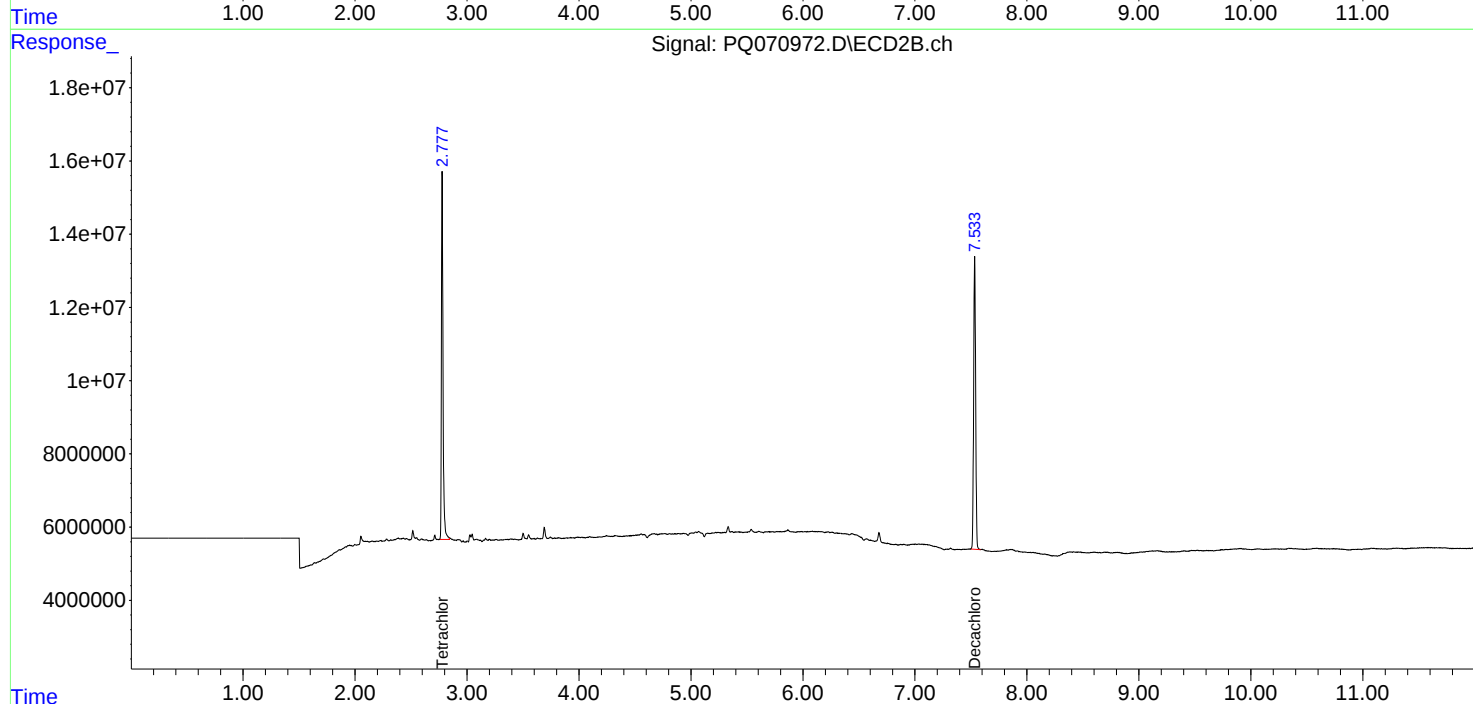
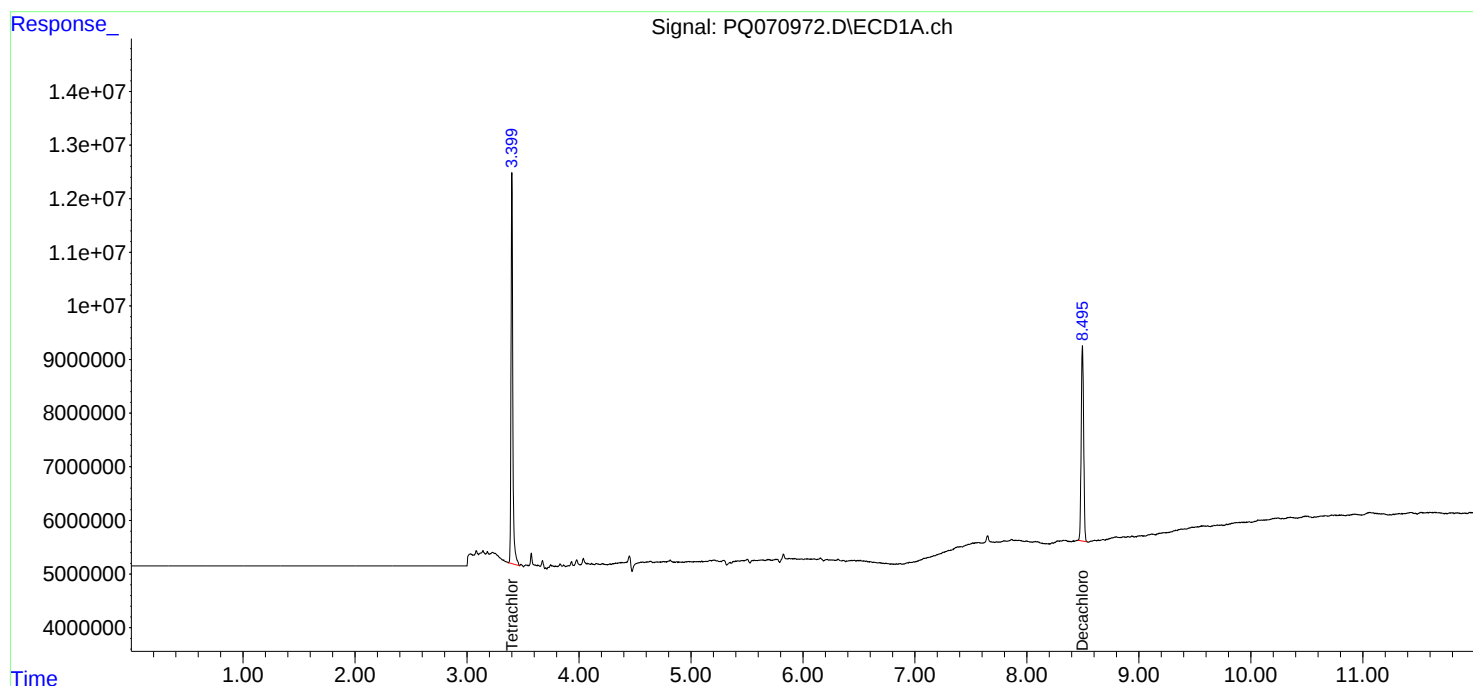
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

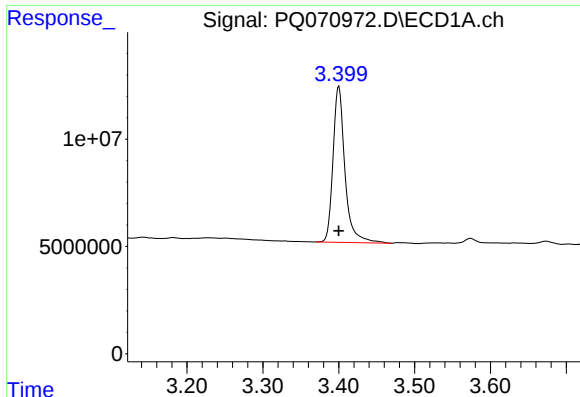
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ101025\
Data File : PQ070972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 08:42
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 17:32:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 10 17:24:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

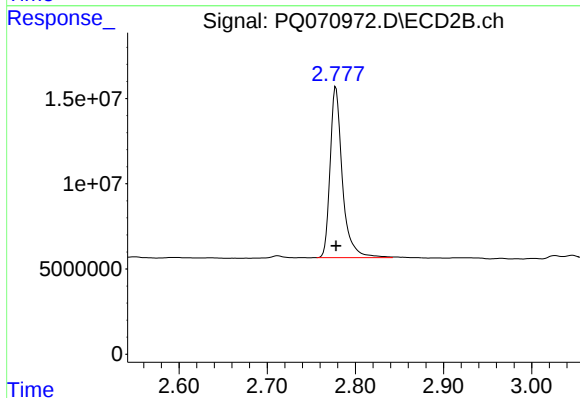




#1 Tetrachloro-m-xylene

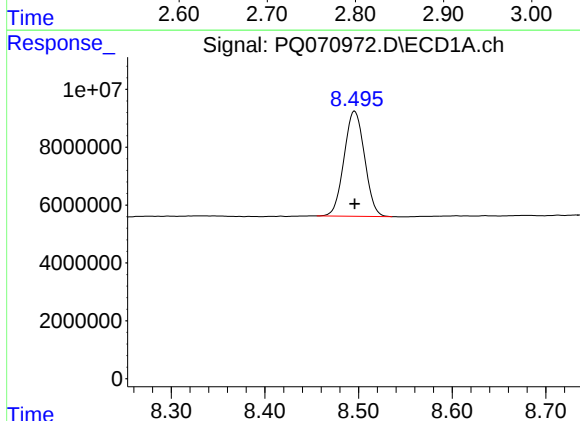
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 79509611
Conc: 18.28 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



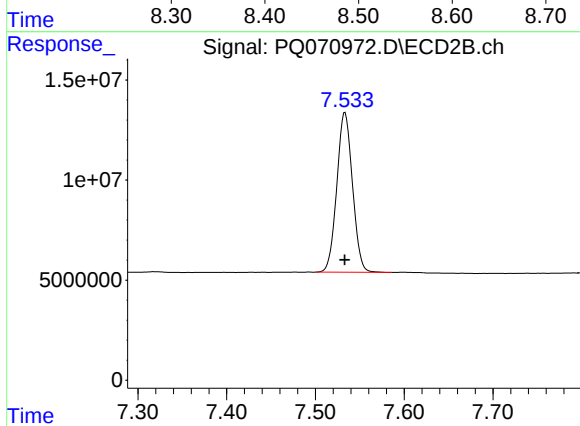
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 97022264
Conc: 19.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 55246960
Conc: 19.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 97962147
Conc: 19.40 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/21/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/21/25	
Client Sample ID: PIBLK-PQ071033.D	SDG No.: Q3376	
Lab Sample ID: I.BLK-PQ071033.D	Matrix: WATER	
Analytical Method: 8082A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: PCB	Final Vol: 10000 uL
Prep Method: 5030	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PQ102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PQ102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PQ102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PQ102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PQ102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PQ102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PQ102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PQ102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PQ102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.7			60 - 140	104%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.5			60 - 140	123%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 12:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:43:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	3.400	2.777	94942279	105.3E6	21.824	20.720
2) SA Decachlor...	8.498	7.533	71959059	123.7E6	24.779	24.495

Target Compounds

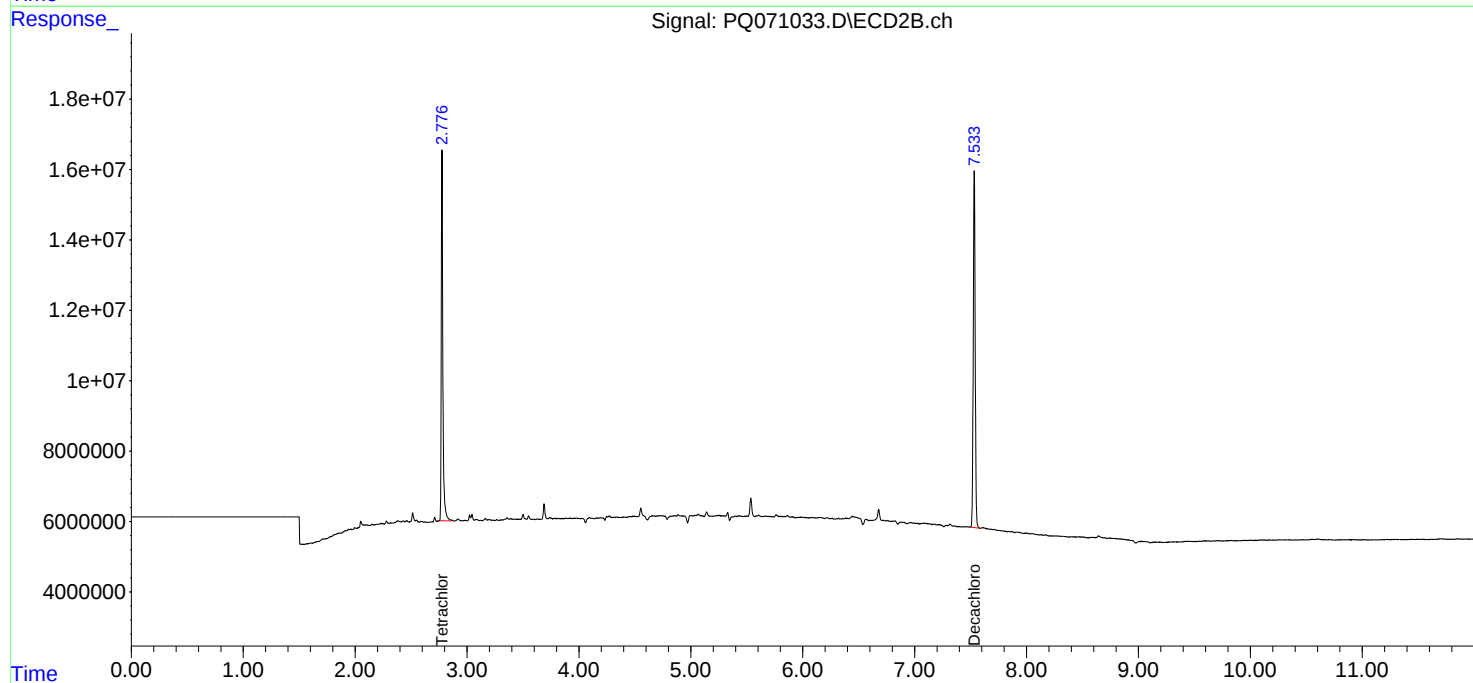
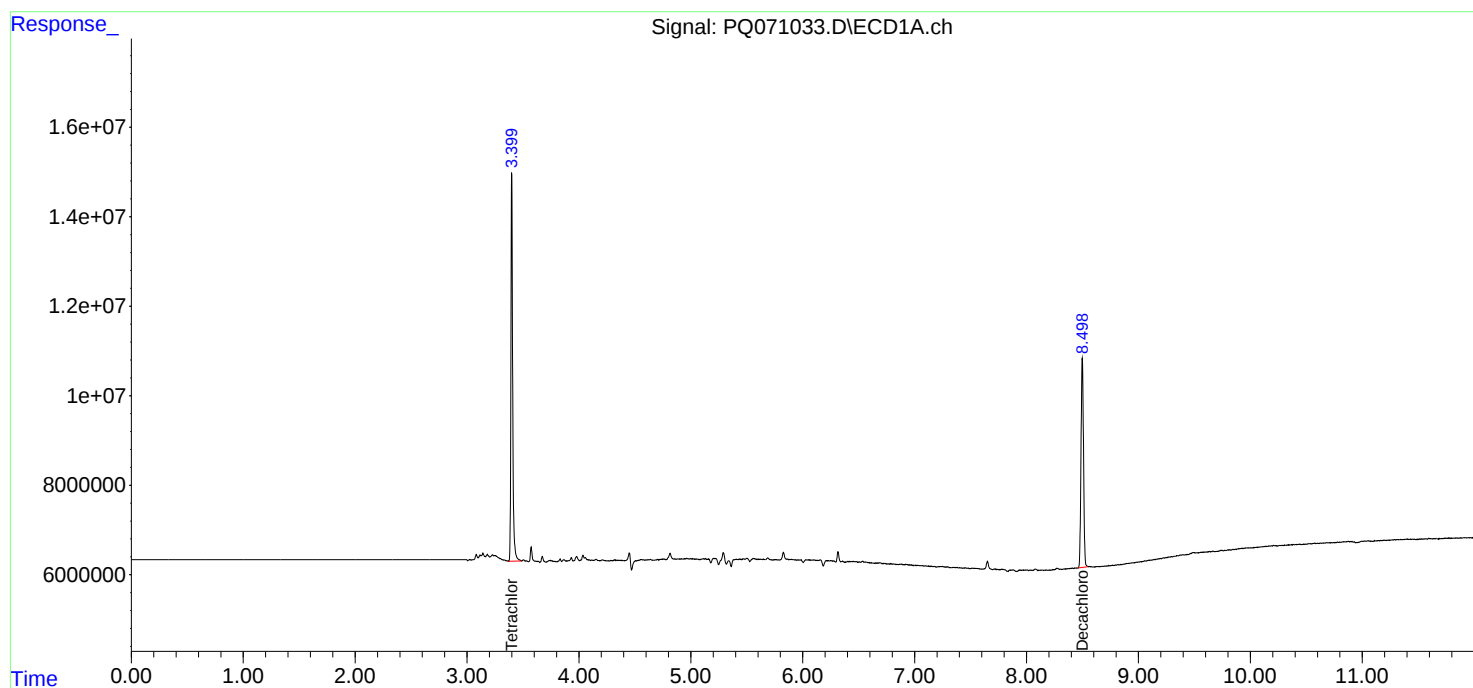
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

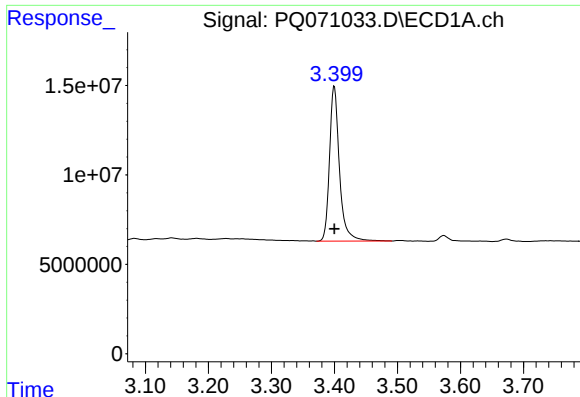
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 12:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:43:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

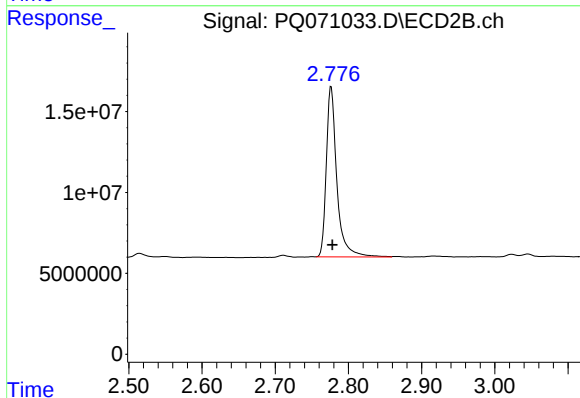




#1 Tetrachloro-m-xylene

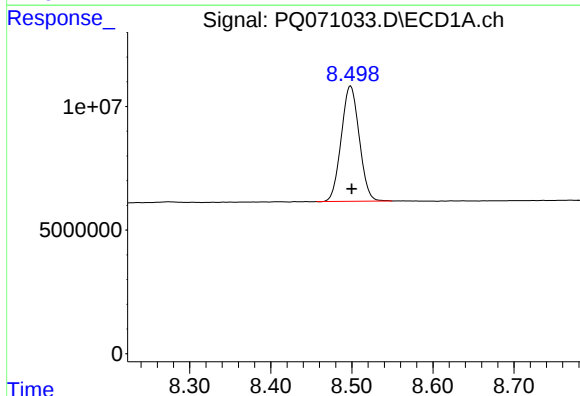
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 94942279
Conc: 21.82 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



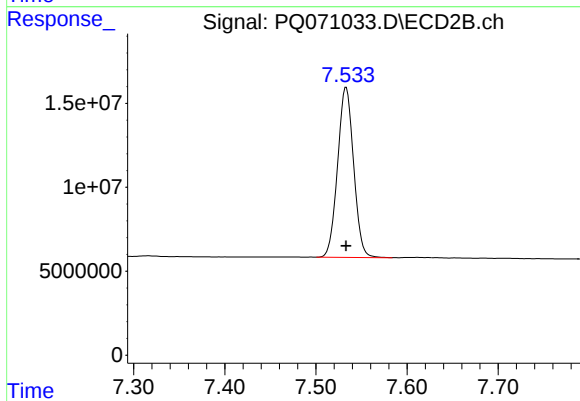
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: -0.002 min
Response: 105257612
Conc: 20.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.498 min
Delta R.T.: -0.002 min
Response: 71959059
Conc: 24.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 123689787
Conc: 24.50 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/21/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/21/25	
Client Sample ID: PIBLK-PQ071048.D	SDG No.: Q3376	
Lab Sample ID: I.BLK-PQ071048.D	Matrix: WATER	
Analytical Method: 8082A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Final Vol: 10000 uL	Test: PCB
Prep Method: 5030	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PQ102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PQ102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PQ102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PQ102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PQ102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PQ102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PQ102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PQ102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PQ102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.9			60 - 140	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.3			60 - 140	112%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 18:08
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:47:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.777	86683544	96100073	19.926	18.917
2) SA Decachlor...	8.498	7.533	64853162	113.6E6	22.332	22.504

Target Compounds

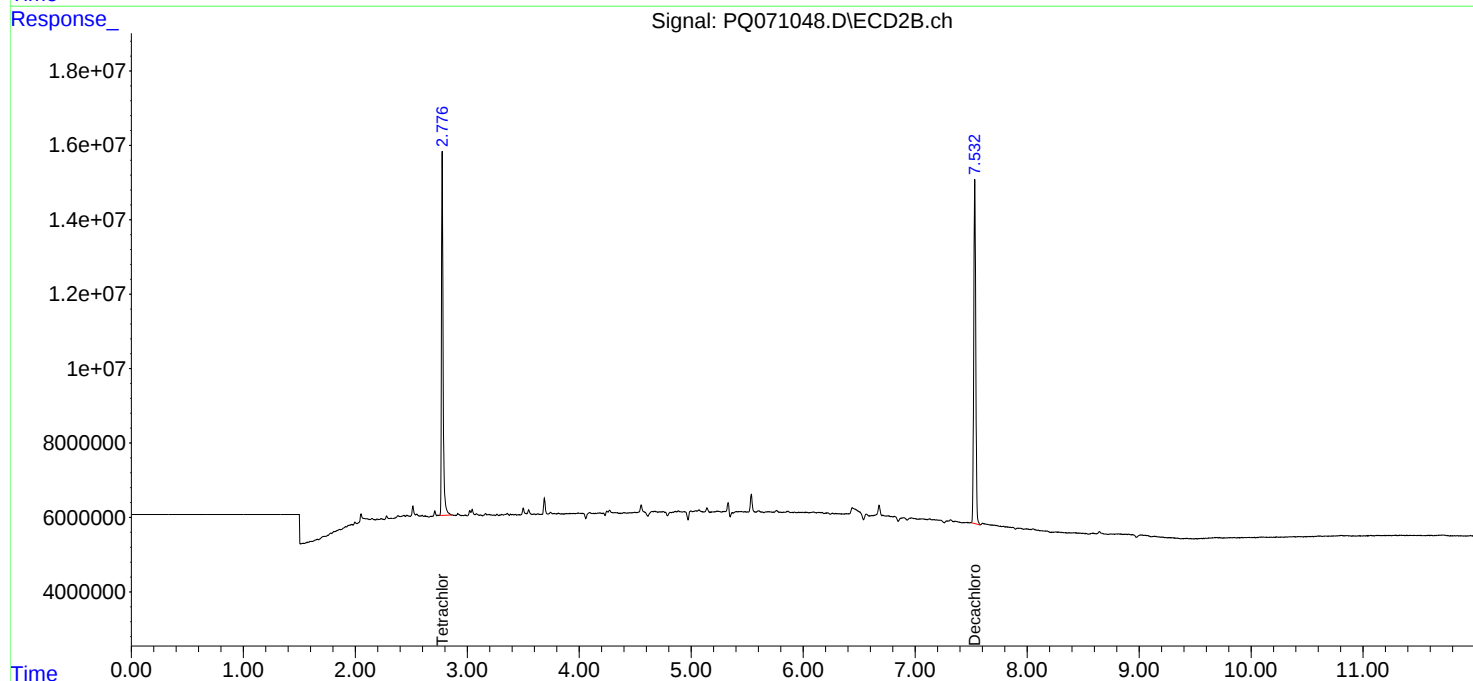
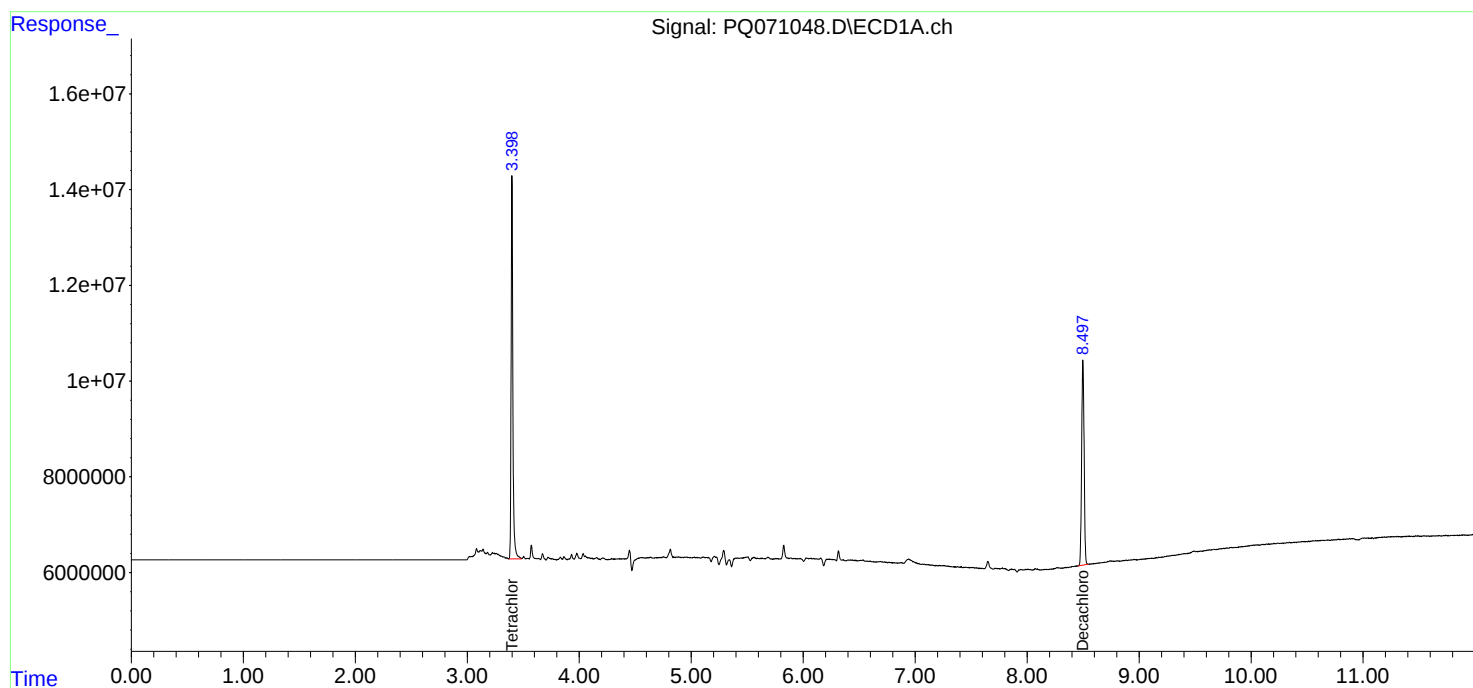
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

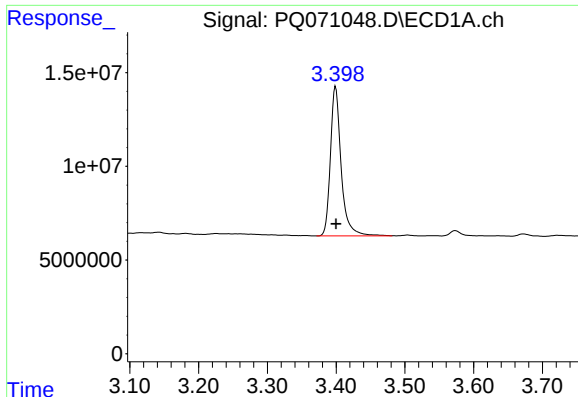
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 18:08
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:47:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

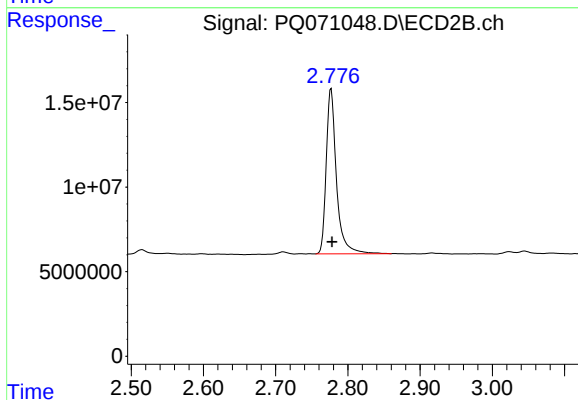




#1 Tetrachloro-m-xylene

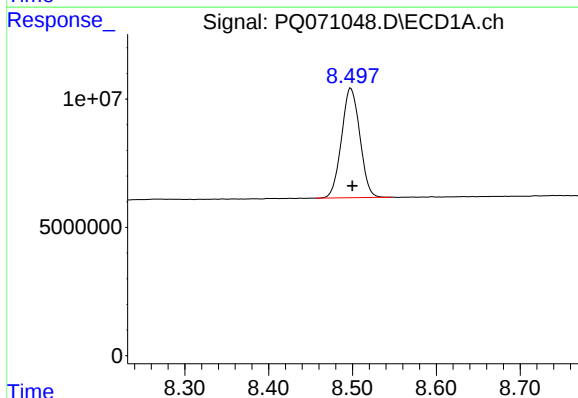
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 86683544
Conc: 19.93 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



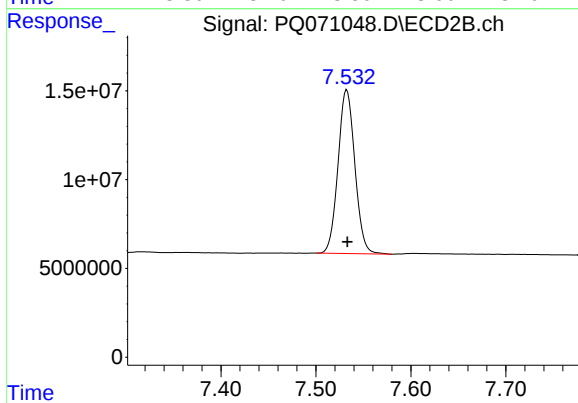
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: -0.002 min
Response: 96100073
Conc: 18.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.498 min
Delta R.T.: -0.002 min
Response: 64853162
Conc: 22.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 113636829
Conc: 22.50 ng/ml

Report of Analysis

Client:	AECOM		Date Collected:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071138.D		SDG No.:	Q3376
Lab Sample ID:	I.BLK-PQ071138.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PQ102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.5			60 - 140	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.6			60 - 140	118%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
Data File : PQ071138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 14:55
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 15:56:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.776	93211314	99288361	21.427	19.545
2) SA Decachlor...	8.496	7.532	71739146	119.4E6	24.704	23.654

Target Compounds

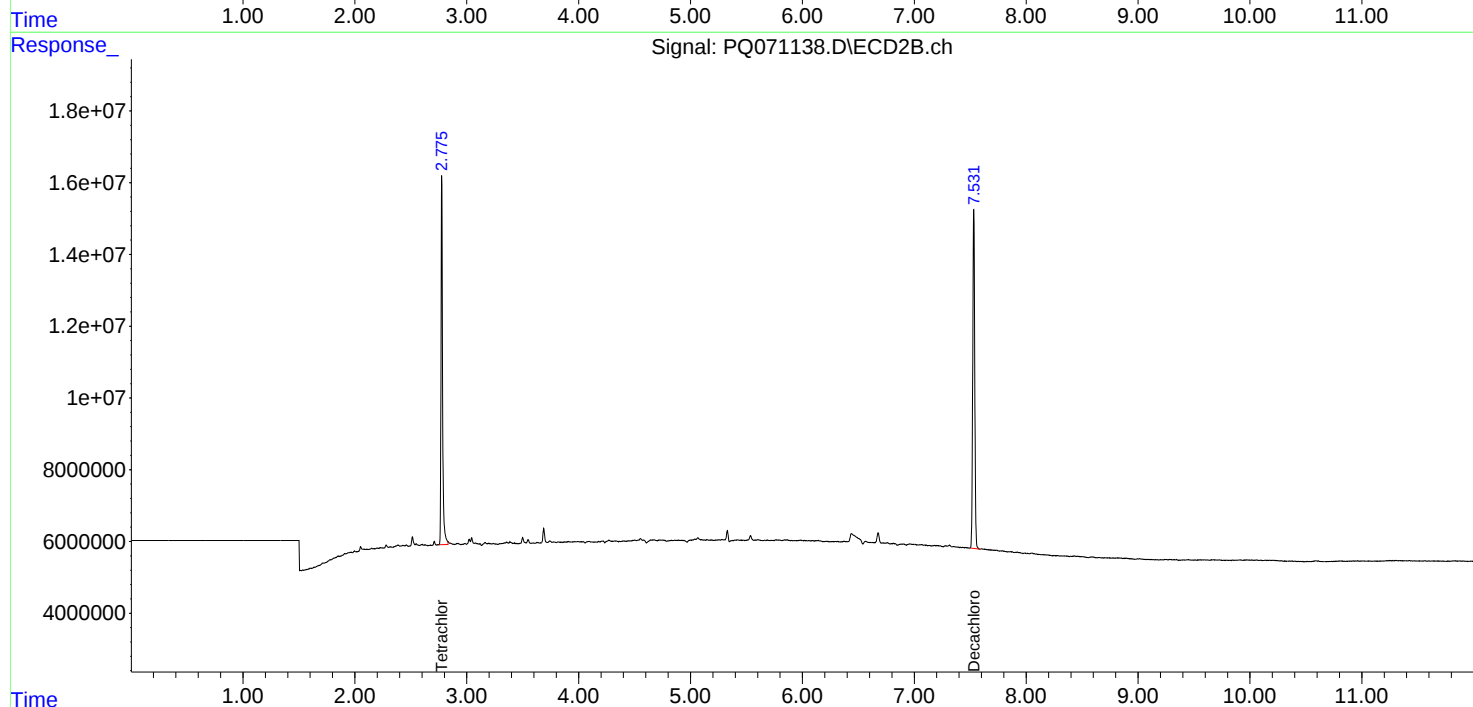
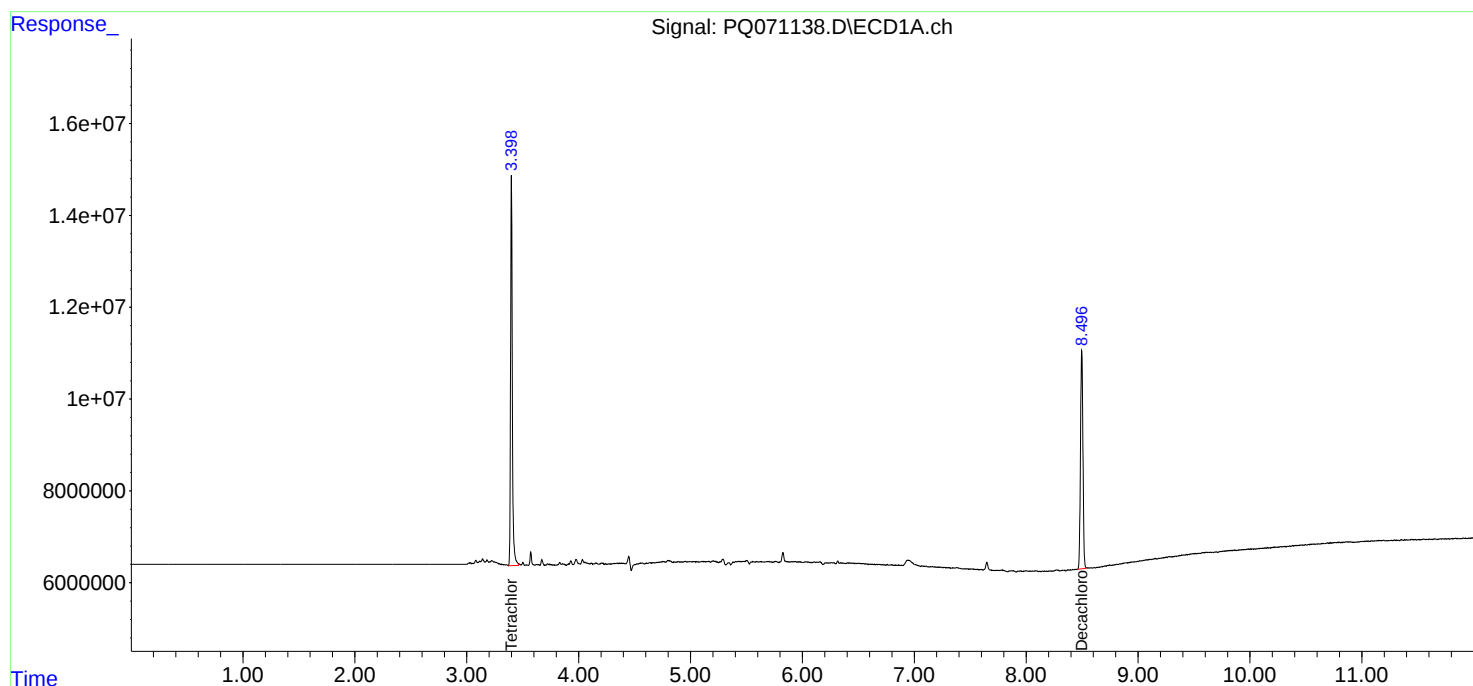
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

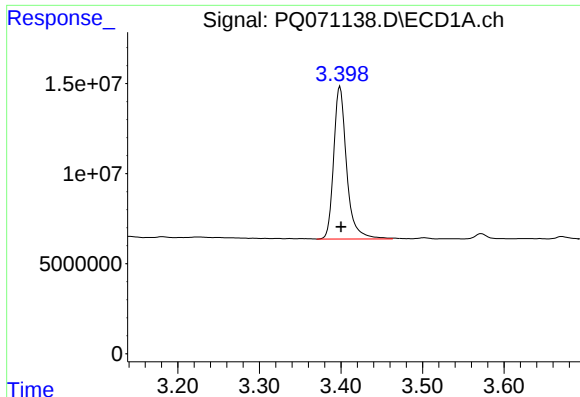
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
Data File : PQ071138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 14:55
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 15:56:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

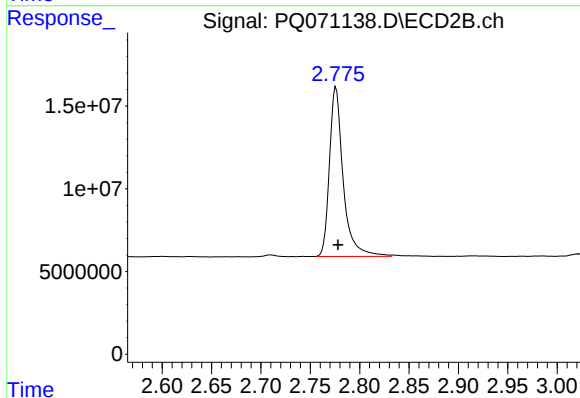




#1 Tetrachloro-m-xylene

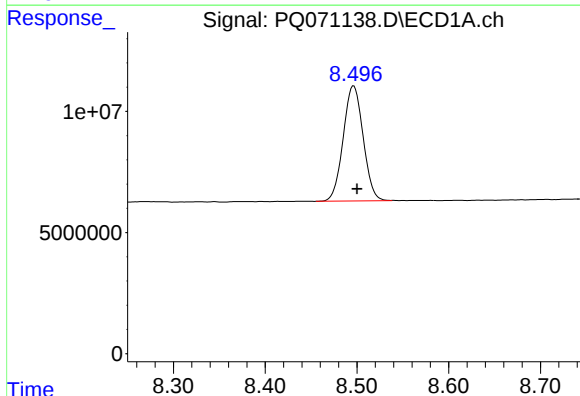
R.T.: 3.399 min
Delta R.T.: -0.001 min
Response: 93211314
Conc: 21.43 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



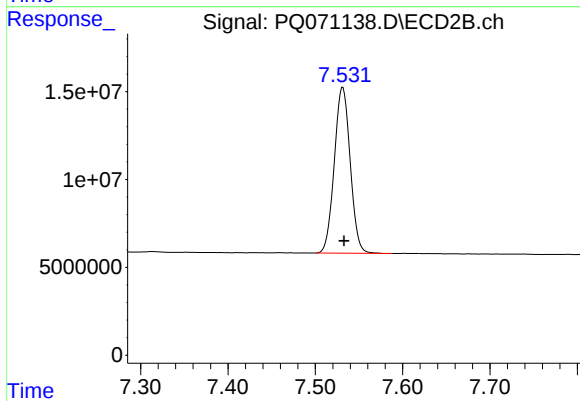
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 99288361
Conc: 19.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.496 min
Delta R.T.: -0.004 min
Response: 71739146
Conc: 24.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.532 min
Delta R.T.: -0.002 min
Response: 119443659
Conc: 23.65 ng/ml

Report of Analysis

Client:	AECOM		Date Collected:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071147.D		SDG No.:	Q3376
Lab Sample ID:	I.BLK-PQ071147.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PQ102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.4			60 - 140	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.3			60 - 140	117%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
Data File : PQ071147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 18:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 18:17:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.776	91118997	98347219	20.946	19.360
2) SA Decachlor...	8.498	7.532	71657446	117.7E6	24.676	23.317

Target Compounds

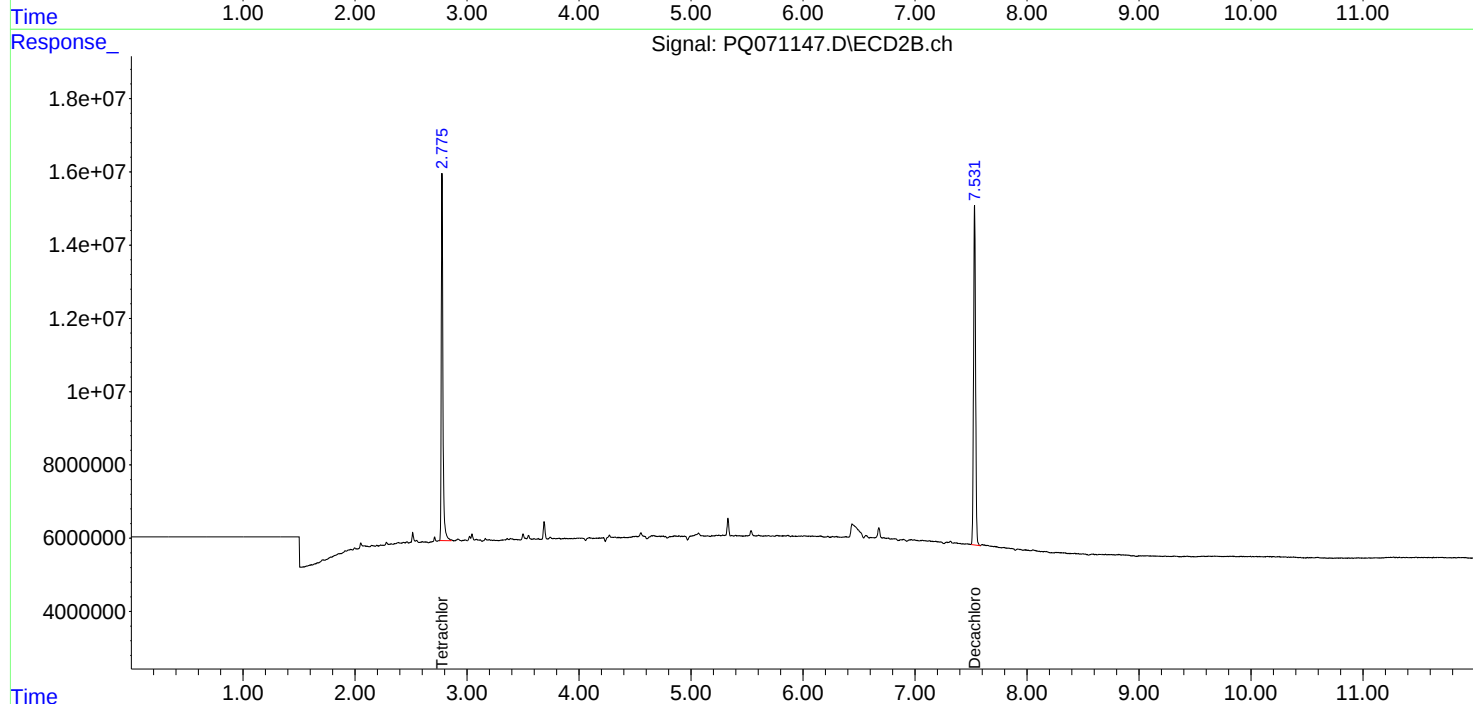
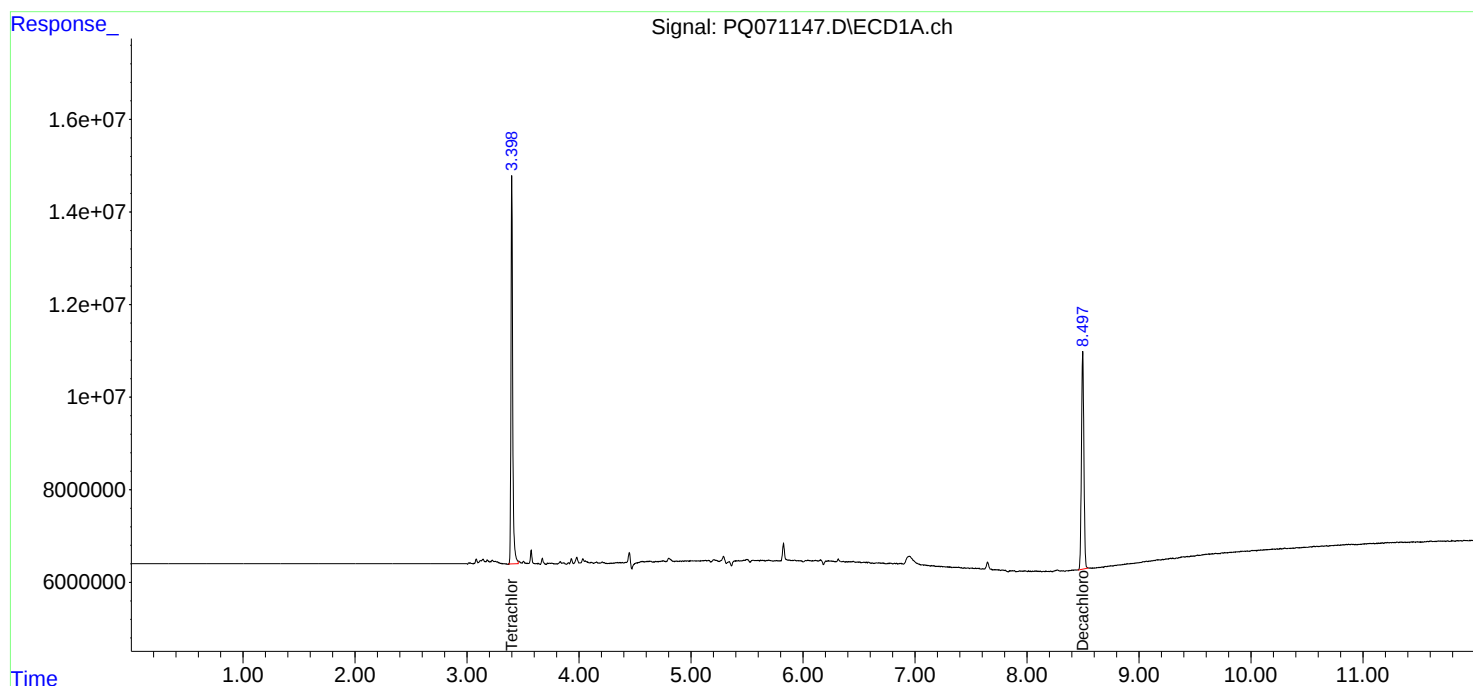
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

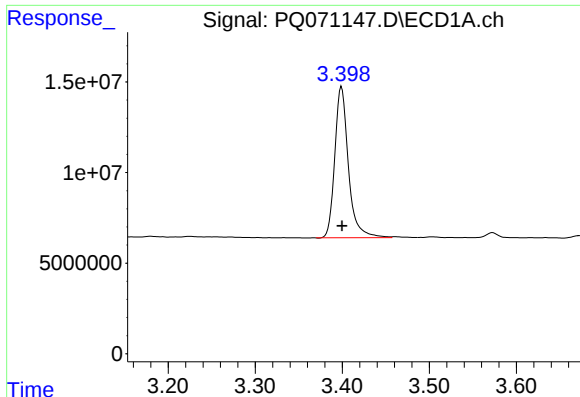
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
Data File : PQ071147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 18:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 18:17:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

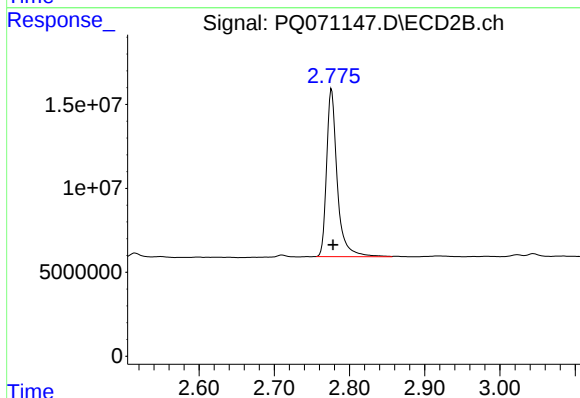




#1 Tetrachloro-m-xylene

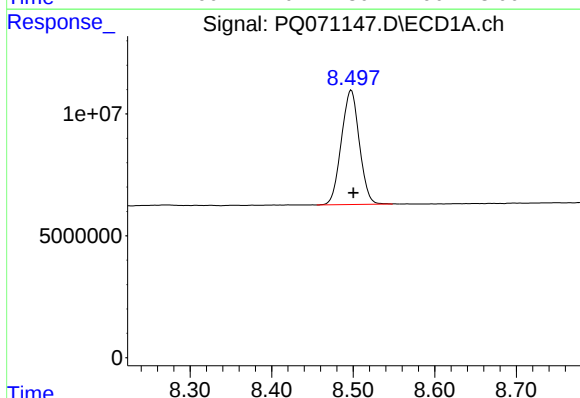
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 91118997
Conc: 20.95 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



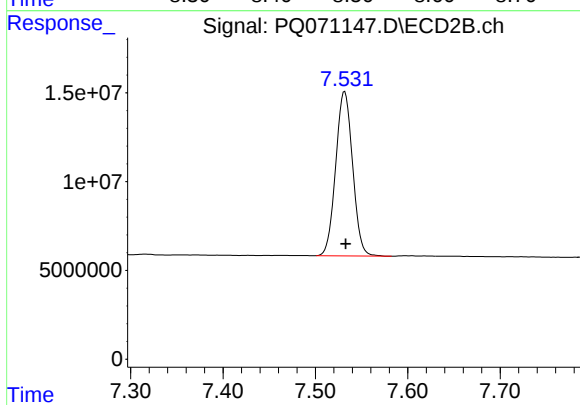
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 98347219
Conc: 19.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.498 min
Delta R.T.: -0.002 min
Response: 71657446
Conc: 24.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.532 min
Delta R.T.: -0.001 min
Response: 117741140
Conc: 23.32 ng/ml

Report of Analysis

Client: AECOM	Date Collected:	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID: PB170178BS	SDG No.:	Q3376
Lab Sample ID: PB170178BS	Matrix:	SOIL
Analytical Method: 8082A	% Solid:	100
Sample Wt/Vol: 30.03 g	Test:	PCB
Prep Method: SW3541B	Final Vol: 10000 uL	
	Prep Date 10/21/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	183		1	3.90	17.0	ug/kg	10/24/25 15:24	PB170178
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/24/25 15:24	PB170178
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/24/25 15:24	PB170178
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/24/25 15:24	PB170178
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/24/25 15:24	PB170178
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/24/25 15:24	PB170178
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/24/25 15:24	PB170178
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/24/25 15:24	PB170178
11096-82-5	Aroclor-1260	181		1	3.20	17.0	ug/kg	10/24/25 15:24	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.4			32 - 144	112%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.7			32 - 175	129%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
 Data File : PQ071140.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 15:24
 Operator : YP\AJ
 Sample : PB170178BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

PB170178BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 15:56:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Oct 11 01:55:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.776	97498681	96720918	22.412	19.039
2) SA Decachlor...	8.497	7.531	74656376	122.7E6	25.708	24.305
Target Compounds						
3) L1 AR-1016-1	4.479	3.775	88438428	100.4E6	538.786	448.130
4) L1 AR-1016-2	4.498	3.791	141.1E6	151.6E6	550.525	445.704
5) L1 AR-1016-3	4.556	3.951	88500279	83677847	556.191	460.125
6) L1 AR-1016-4	4.645	4.000	72967111	71185926	561.591	452.225
7) L1 AR-1016-5	4.930	4.195	69250177	85770213	537.645	447.088
31) L7 AR-1260-1	6.019	5.186	130.1E6	175.7E6	554.971m	487.479
32) L7 AR-1260-2	6.275	5.376	165.9E6	203.9E6	599.790	463.478
33) L7 AR-1260-3	6.626	5.516	99249796	192.2E6	497.971	463.039
34) L7 AR-1260-4	6.840	5.977	114.1E6	150.2E6	530.875	417.591
35) L7 AR-1260-5	7.146	6.222	229.3E6	337.1E6	528.688	401.191

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102425\
Data File : PQ071140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 15:24
Operator : YP\AJ
Sample : PB170178BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

PB170178BS

Manual Integrations

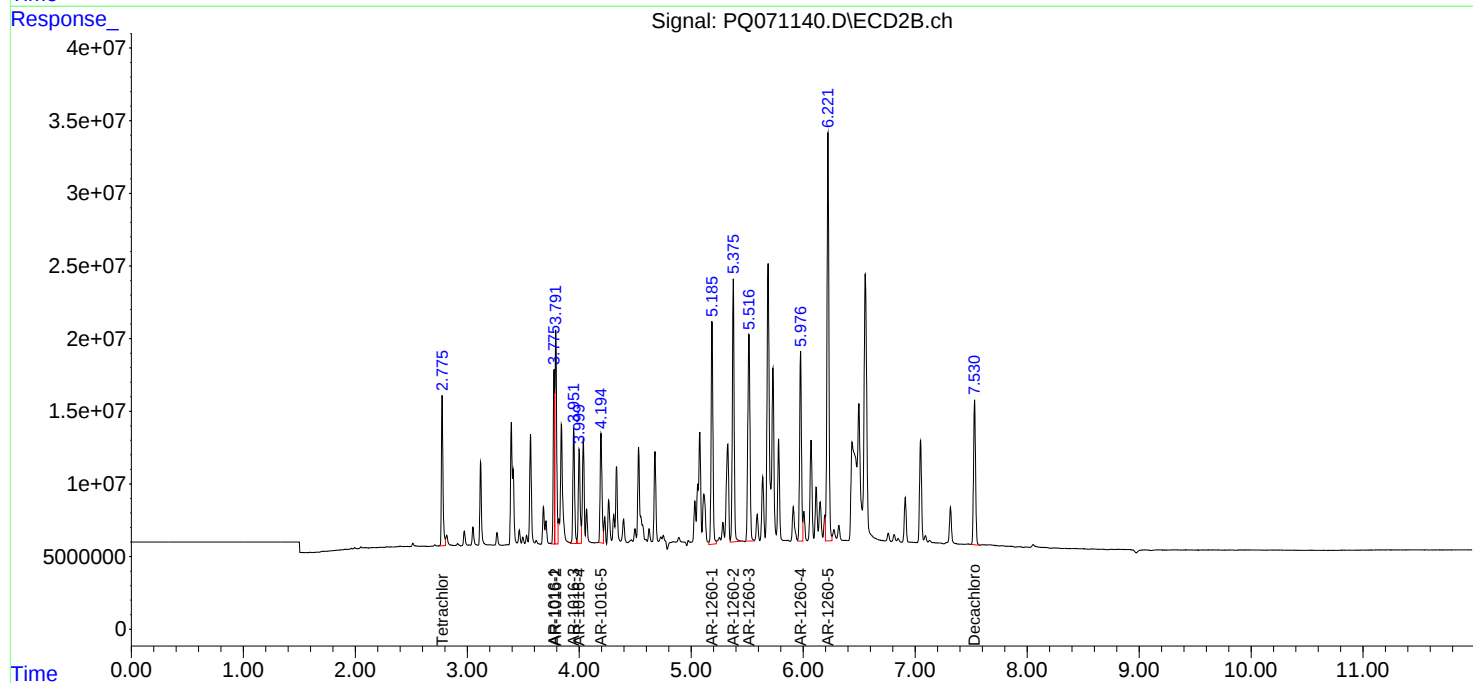
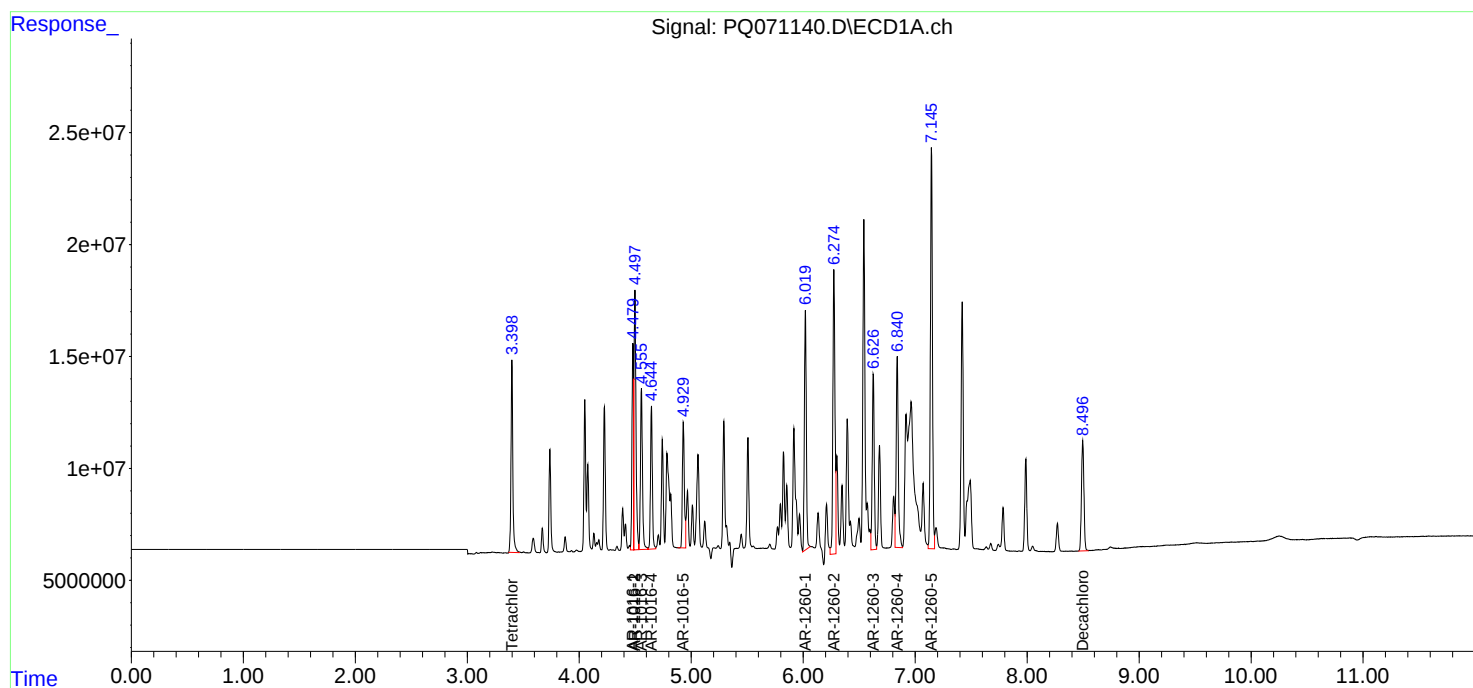
APPROVED

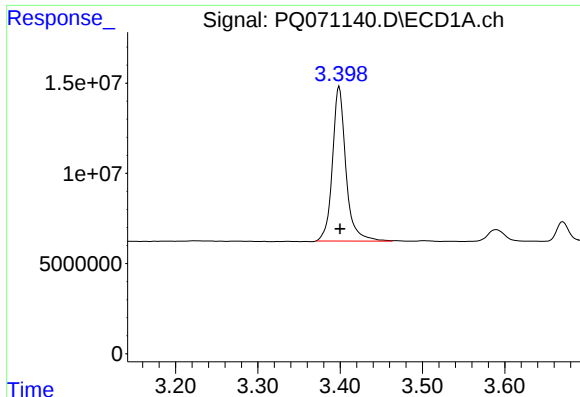
Reviewed By :Yogesh Patel 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 15:56:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.399 min
Delta R.T.: -0.001 min
Response: 97498681
Conc: 22.41 ng/ml

Instrument :

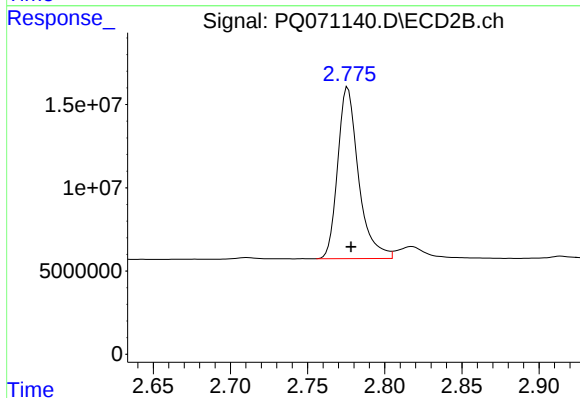
ECD_Q

ClientSampleId :

PB170178BS

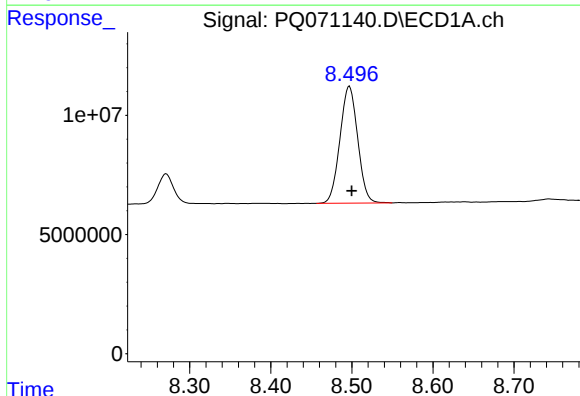
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



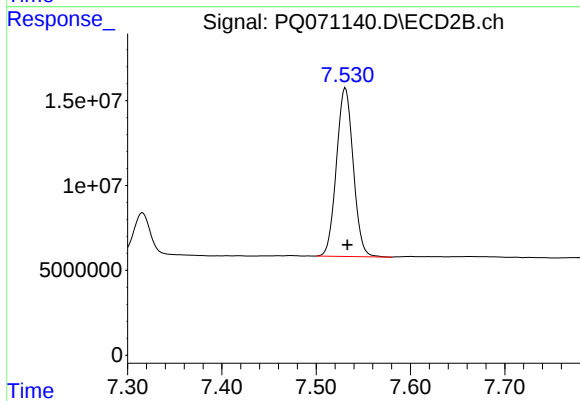
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 96720918
Conc: 19.04 ng/ml



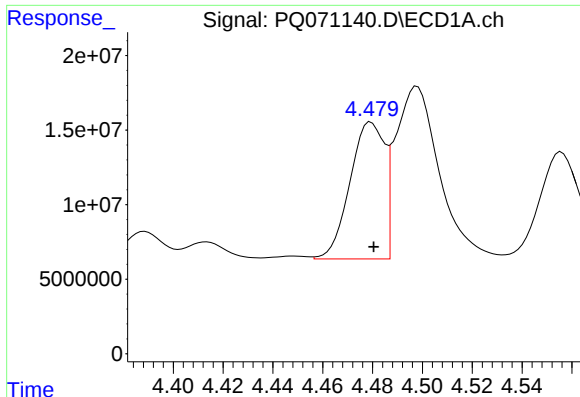
#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: -0.003 min
Response: 74656376
Conc: 25.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.531 min
Delta R.T.: -0.002 min
Response: 122729844
Conc: 24.31 ng/ml



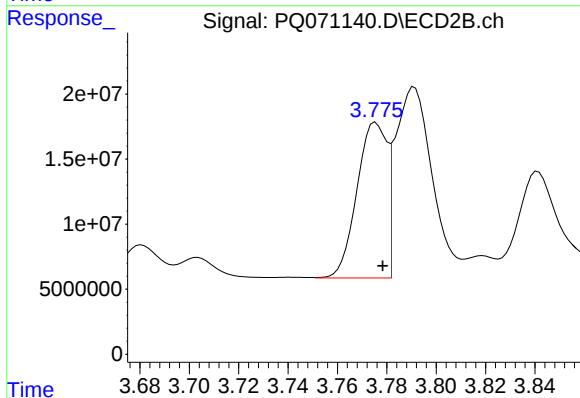
#3 AR-1016-1

R.T.: 4.479 min
Delta R.T.: -0.001 min
Response: 88438428
Conc: 538.79 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PB170178BS

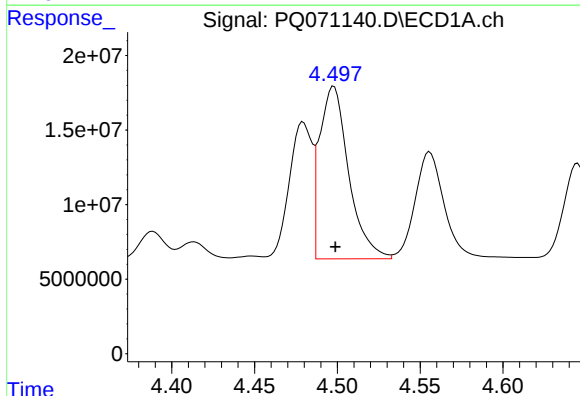
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



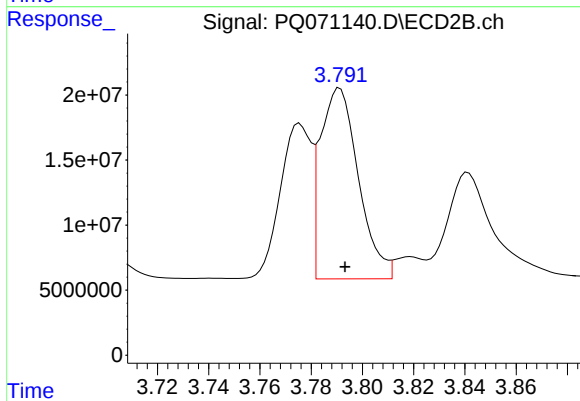
#3 AR-1016-1

R.T.: 3.775 min
Delta R.T.: -0.003 min
Response: 100381995
Conc: 448.13 ng/ml



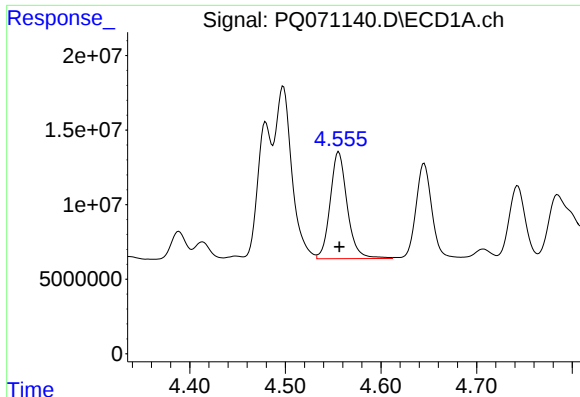
#4 AR-1016-2

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 141096526
Conc: 550.53 ng/ml



#4 AR-1016-2

R.T.: 3.791 min
Delta R.T.: -0.002 min
Response: 151594350
Conc: 445.70 ng/ml



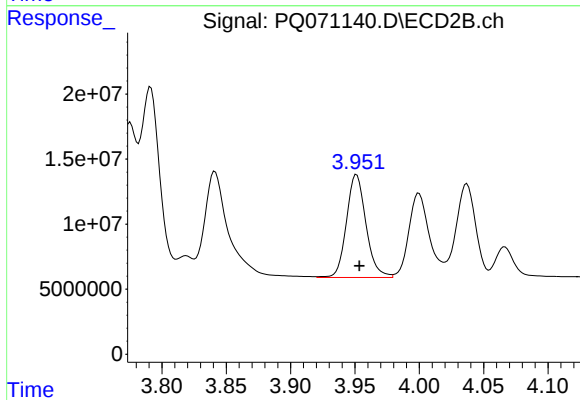
#5 AR-1016-3

R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 88500279
Conc: 556.19 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PB170178BS

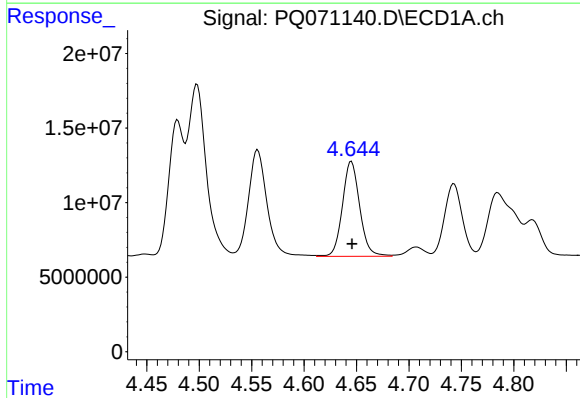
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



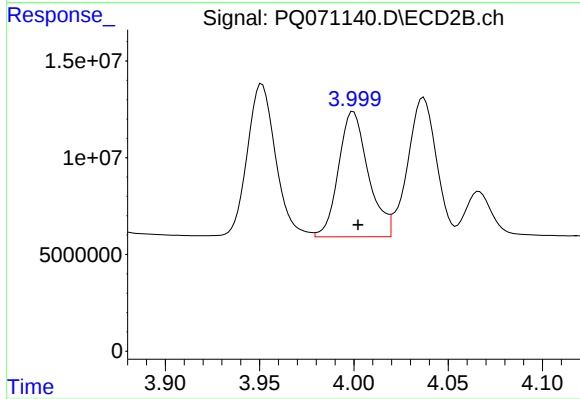
#5 AR-1016-3

R.T.: 3.951 min
Delta R.T.: -0.002 min
Response: 83677847
Conc: 460.13 ng/ml



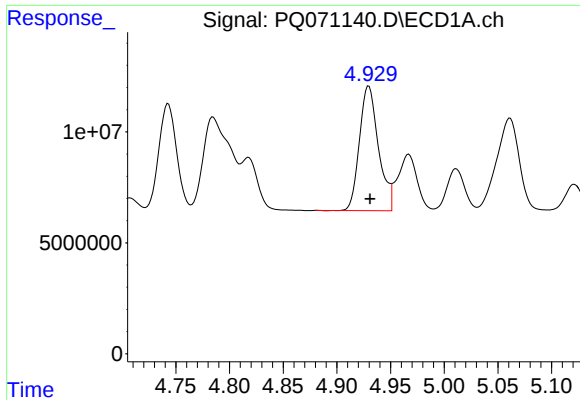
#6 AR-1016-4

R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 72967111
Conc: 561.59 ng/ml



#6 AR-1016-4

R.T.: 4.000 min
Delta R.T.: -0.002 min
Response: 71185926
Conc: 452.22 ng/ml



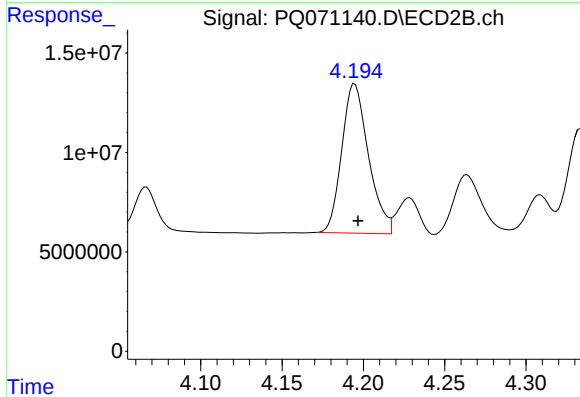
#7 AR-1016-5

R.T.: 4.930 min
Delta R.T.: -0.001 min
Response: 69250177
Conc: 537.64 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PB170178BS

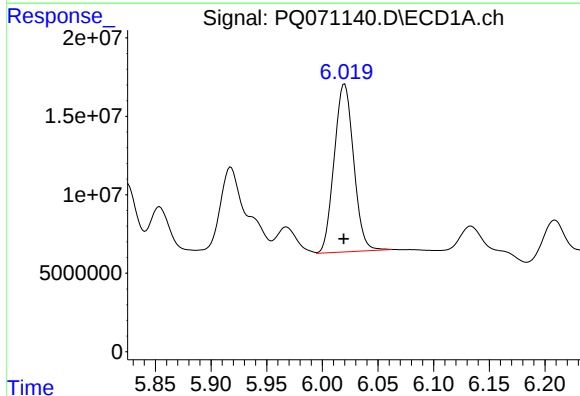
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



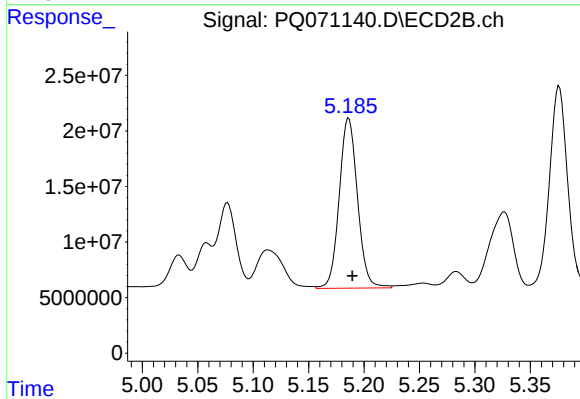
#7 AR-1016-5

R.T.: 4.195 min
Delta R.T.: -0.002 min
Response: 85770213
Conc: 447.09 ng/ml



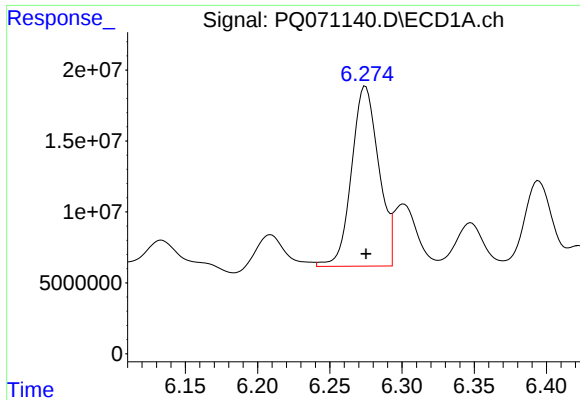
#31 AR-1260-1

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 130124743
Conc: 554.97 ng/ml m



#31 AR-1260-1

R.T.: 5.186 min
Delta R.T.: -0.003 min
Response: 175690384
Conc: 487.48 ng/ml



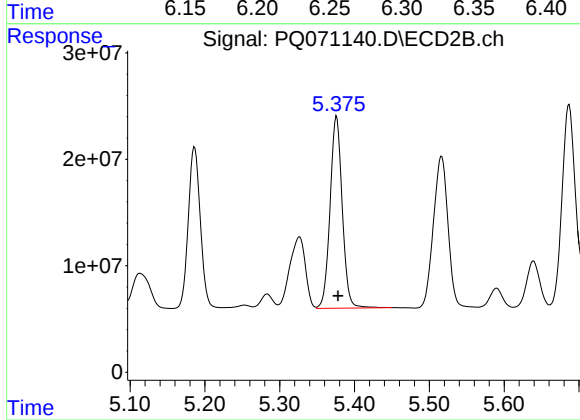
#32 AR-1260-2

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 165907195
Conc: 599.79 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PB170178BS

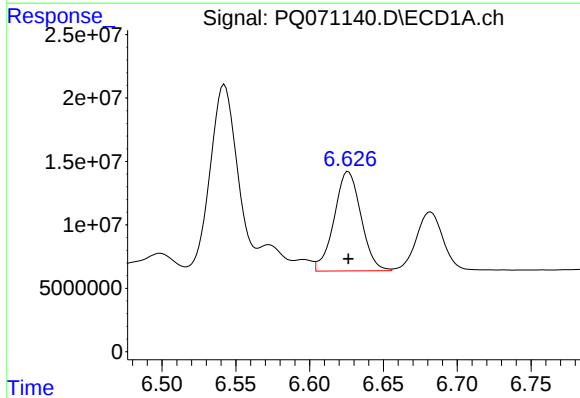
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



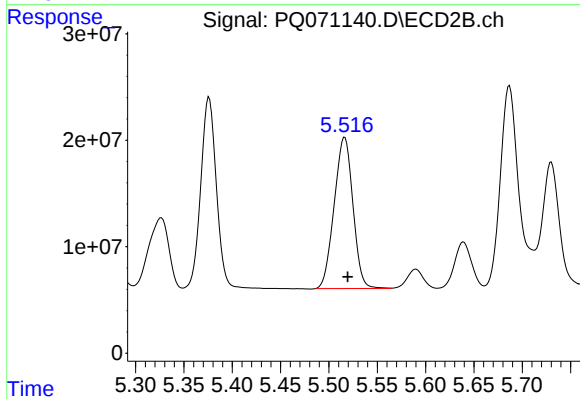
#32 AR-1260-2

R.T.: 5.376 min
Delta R.T.: -0.002 min
Response: 203927453
Conc: 463.48 ng/ml



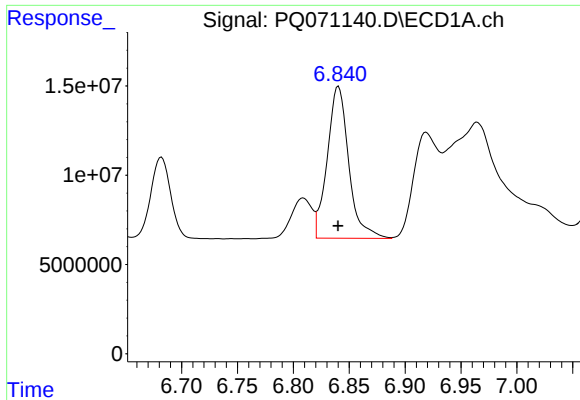
#33 AR-1260-3

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 99249796
Conc: 497.97 ng/ml



#33 AR-1260-3

R.T.: 5.516 min
Delta R.T.: -0.003 min
Response: 192160803
Conc: 463.04 ng/ml



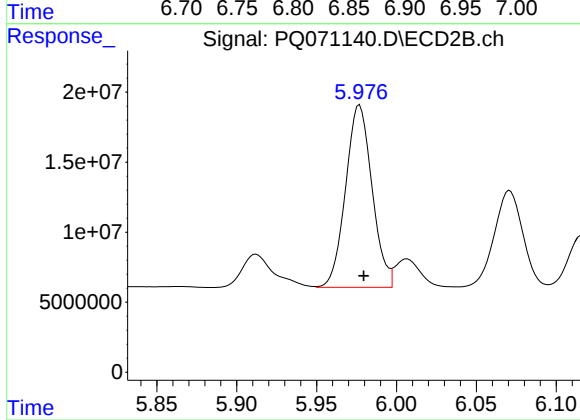
#34 AR-1260-4

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 114076088
Conc: 530.87 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PB170178BS

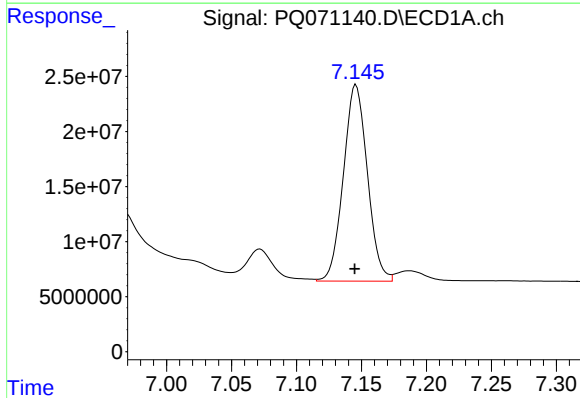
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



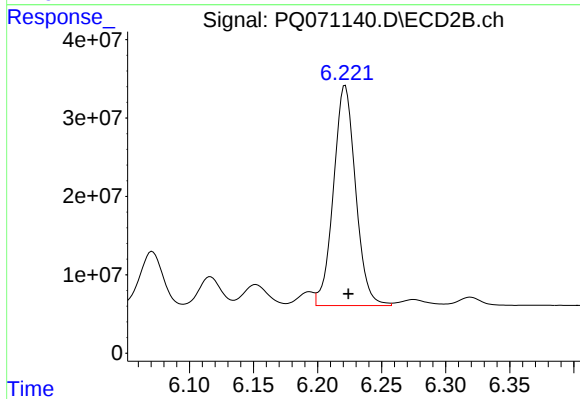
#34 AR-1260-4

R.T.: 5.977 min
Delta R.T.: -0.002 min
Response: 150233798
Conc: 417.59 ng/ml



#35 AR-1260-5

R.T.: 7.146 min
Delta R.T.: 0.001 min
Response: 229332933
Conc: 528.69 ng/ml



#35 AR-1260-5

R.T.: 6.222 min
Delta R.T.: -0.002 min
Response: 337113417
Conc: 401.19 ng/ml

Report of Analysis

Client: AECOM	Date Collected: 10/20/25	
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received: 10/20/25	
Client Sample ID: 41-LAMS	SDG No.: Q3376	
Lab Sample ID: Q3402-01MS	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 69.2	
Sample Wt/Vol: 30.07 g	Test: PCB	Final Vol: 10000 uL
Prep Method: SW3541B	Prep Date: 10/21/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	224		1	5.70	24.5	ug/kg	10/21/25 15:28	PB170178
11104-28-2	Aroclor-1221	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:28	PB170178
11141-16-5	Aroclor-1232	24.5	U	1	5.40	24.5	ug/kg	10/21/25 15:28	PB170178
53469-21-9	Aroclor-1242	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:28	PB170178
12672-29-6	Aroclor-1248	24.5	U	1	8.50	24.5	ug/kg	10/21/25 15:28	PB170178
11097-69-1	Aroclor-1254	24.5	U	1	4.60	24.5	ug/kg	10/21/25 15:28	PB170178
37324-23-5	Aroclor-1262	24.5	U	1	7.20	24.5	ug/kg	10/21/25 15:28	PB170178
11100-14-4	Aroclor-1268	24.5	U	1	5.20	24.5	ug/kg	10/21/25 15:28	PB170178
11096-82-5	Aroclor-1260	183		1	4.70	24.5	ug/kg	10/21/25 15:28	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.0			32 - 144	115%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.8			32 - 175	74%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
 Data File : PQ071042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 15:28
 Operator : YP\AJ
 Sample : Q3402-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 41-LAMS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 13:46:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Oct 11 01:55:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.777	99924534	106.1E6	22.970	20.878
2) SA Decachlor...	8.497	7.532	42897054	70742576	14.772	14.010
Target Compounds						
3) L1 AR-1016-1	4.481	3.776	69141171	91055456	421.223	406.494
4) L1 AR-1016-2	4.499	3.792	121.0E6	143.8E6	472.108	422.826
5) L1 AR-1016-3	4.556	3.952	75389087	76800208	473.792	422.307
6) L1 AR-1016-4	4.646	4.001	65736298	63640682	505.939	404.292
7) L1 AR-1016-5	4.930	4.196	58339178	78525871	452.934	409.326
31) L7 AR-1260-1	6.020	5.188	100.2E6	139.9E6	427.368	388.300
32) L7 AR-1260-2	6.276	5.378	115.5E6	168.0E6	417.427	381.748
33) L7 AR-1260-3	6.627	5.518	67437319	156.1E6	338.357	376.111
34) L7 AR-1260-4	6.841	5.979	78148877	113.1E6	363.681	314.299
35) L7 AR-1260-5	7.147	6.224	153.8E6	232.0E6	354.470	276.052

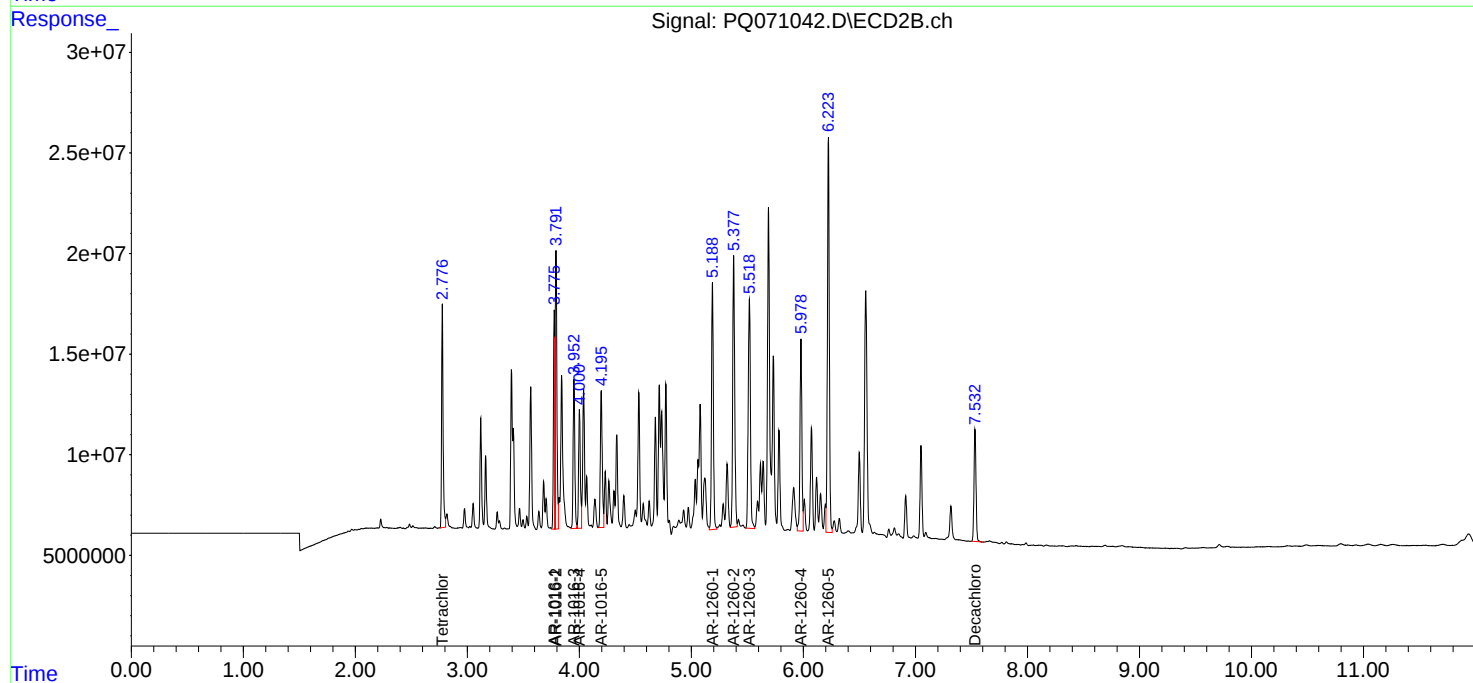
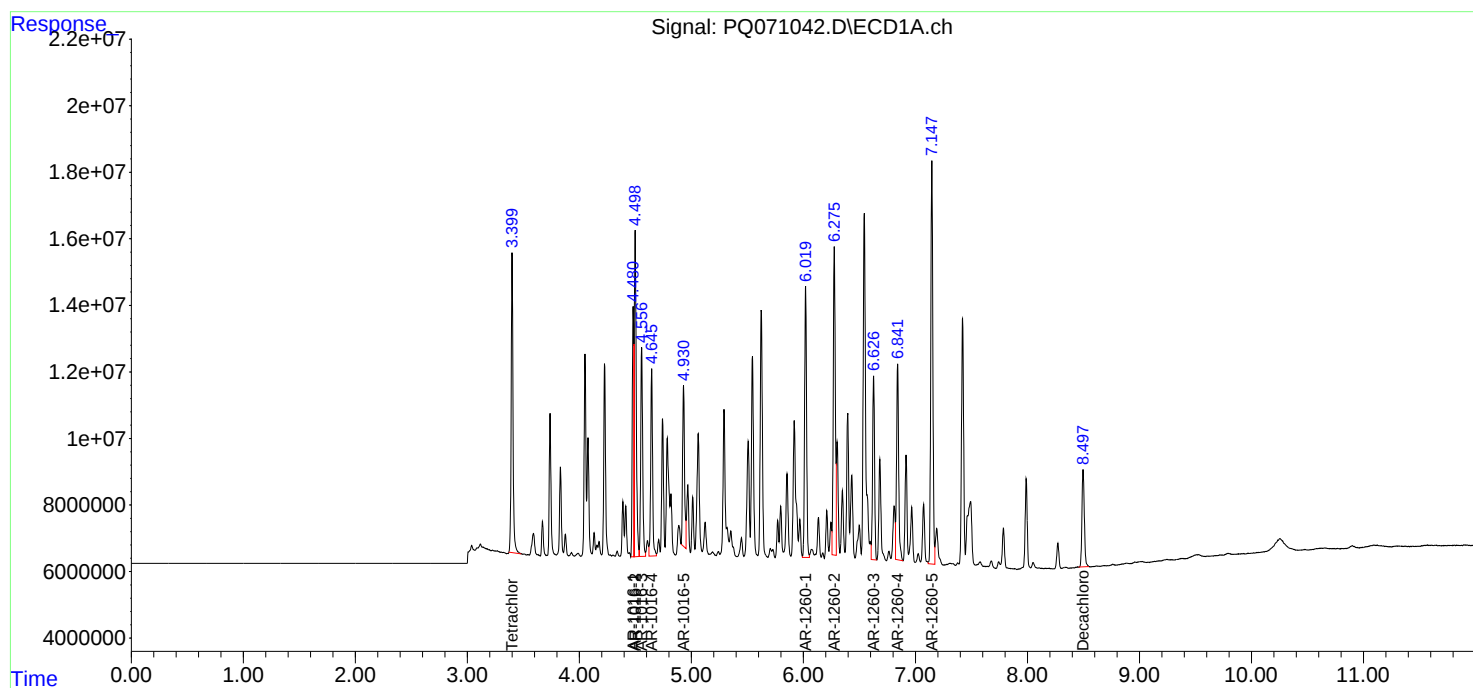
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

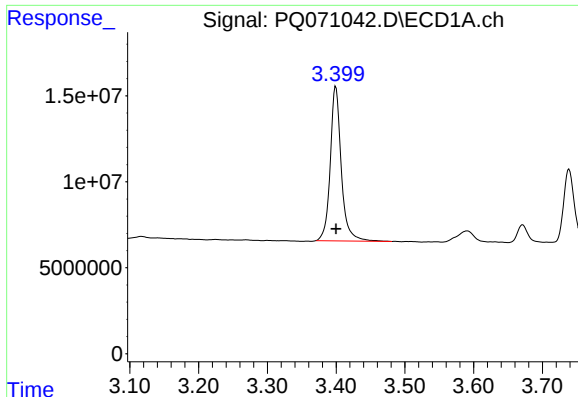
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 15:28
Operator : YP\AJ
Sample : Q3402-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
41-LAMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:46:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

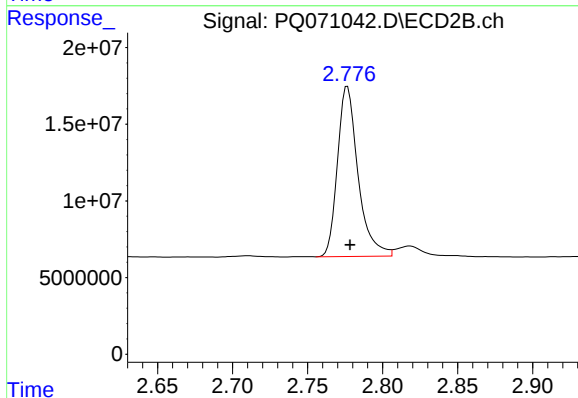




#1 Tetrachloro-m-xylene

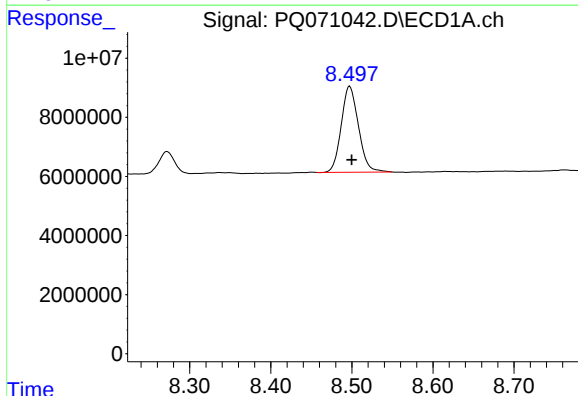
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 99924534
Conc: 22.97 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMS



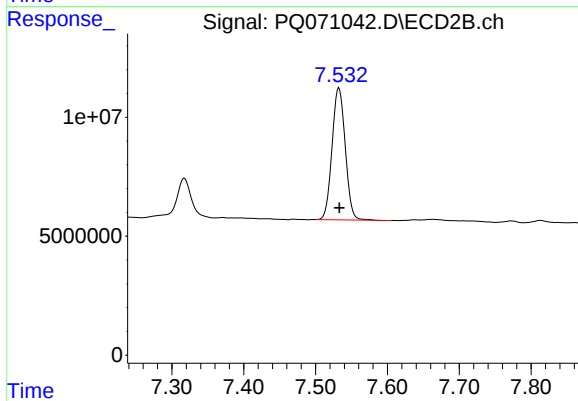
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: -0.002 min
Response: 106060120
Conc: 20.88 ng/ml



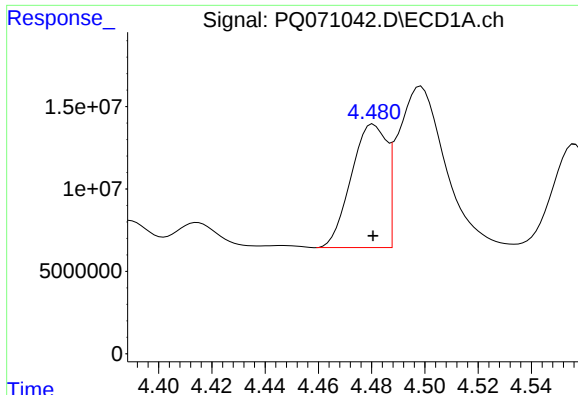
#2 Decachlorobiphenyl

R.T.: 8.497 min
Delta R.T.: -0.003 min
Response: 42897054
Conc: 14.77 ng/ml



#2 Decachlorobiphenyl

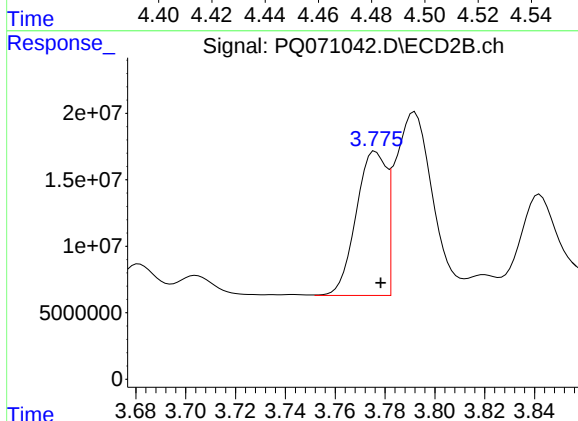
R.T.: 7.532 min
Delta R.T.: 0.000 min
Response: 70742576
Conc: 14.01 ng/ml



#3 AR-1016-1

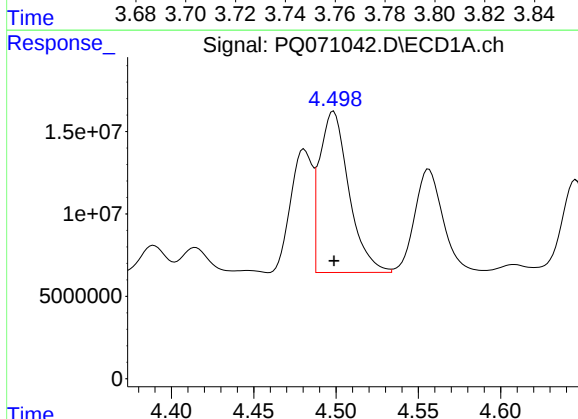
R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 69141171
Conc: 421.22 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMS



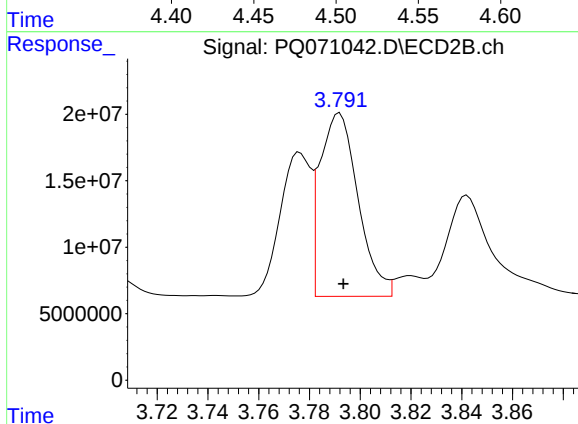
#3 AR-1016-1

R.T.: 3.776 min
Delta R.T.: -0.002 min
Response: 91055456
Conc: 406.49 ng/ml



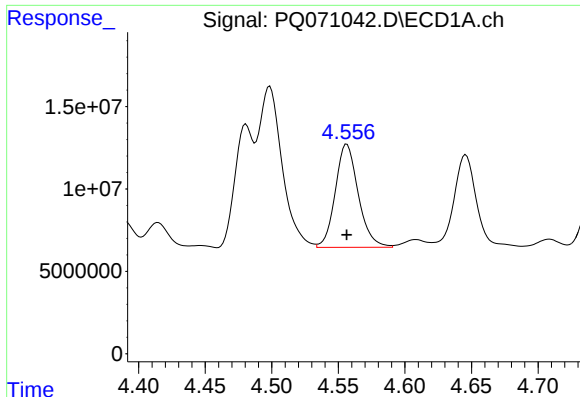
#4 AR-1016-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 120998673
Conc: 472.11 ng/ml



#4 AR-1016-2

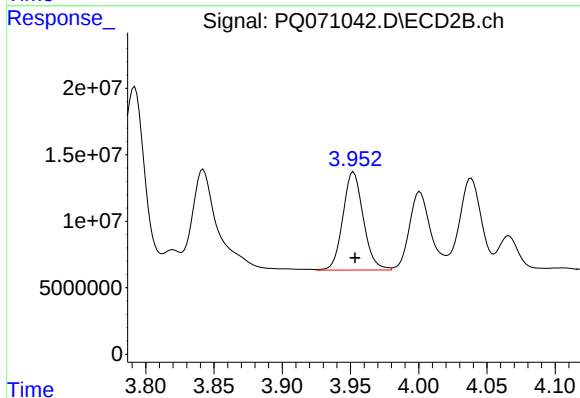
R.T.: 3.792 min
Delta R.T.: -0.001 min
Response: 143812885
Conc: 422.83 ng/ml



#5 AR-1016-3

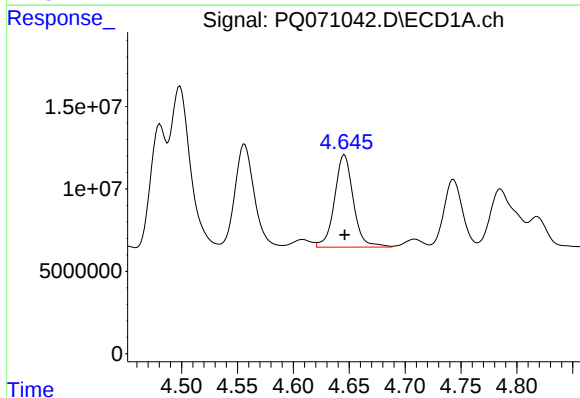
R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 75389087
Conc: 473.79 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMS



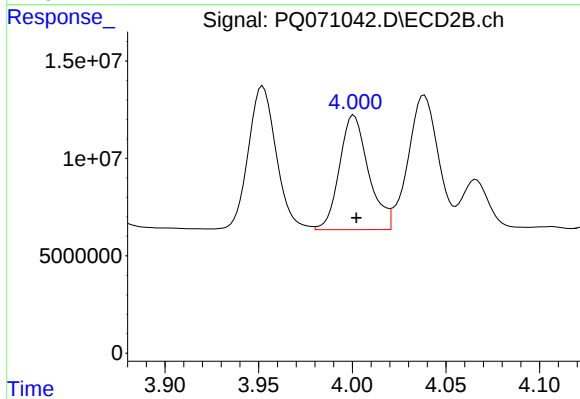
#5 AR-1016-3

R.T.: 3.952 min
Delta R.T.: -0.001 min
Response: 76800208
Conc: 422.31 ng/ml



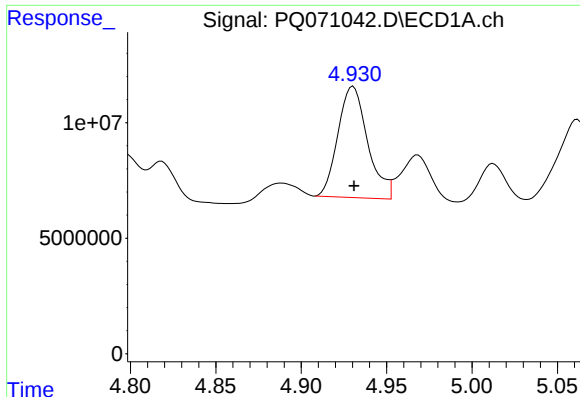
#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 65736298
Conc: 505.94 ng/ml



#6 AR-1016-4

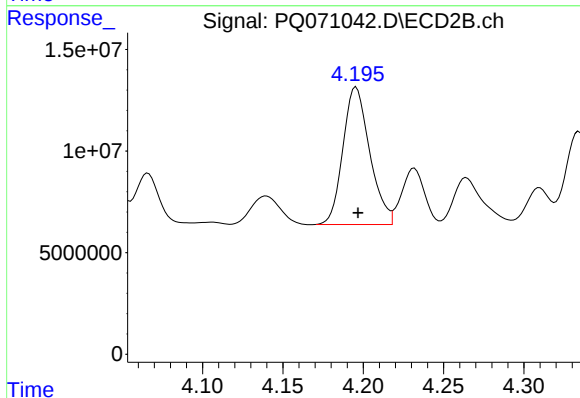
R.T.: 4.001 min
Delta R.T.: -0.001 min
Response: 63640682
Conc: 404.29 ng/ml



#7 AR-1016-5

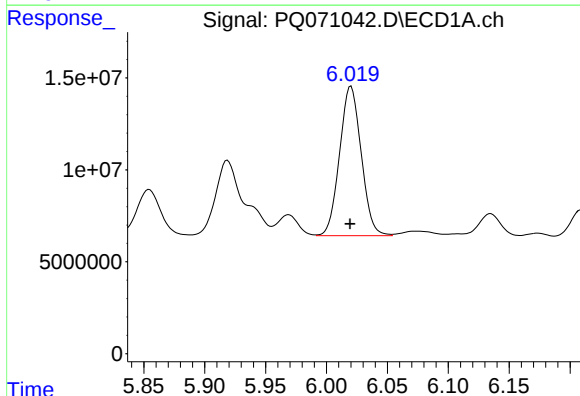
R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 58339178
Conc: 452.93 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMS



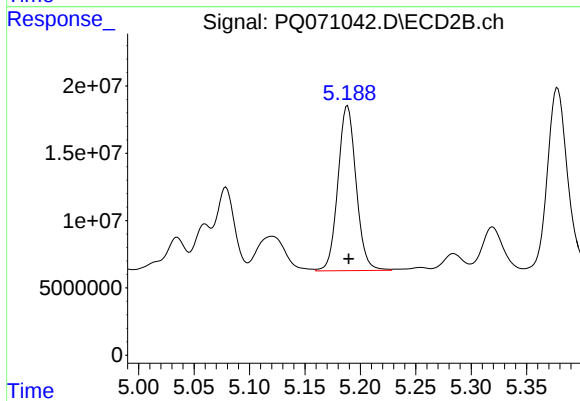
#7 AR-1016-5

R.T.: 4.196 min
Delta R.T.: -0.001 min
Response: 78525871
Conc: 409.33 ng/ml



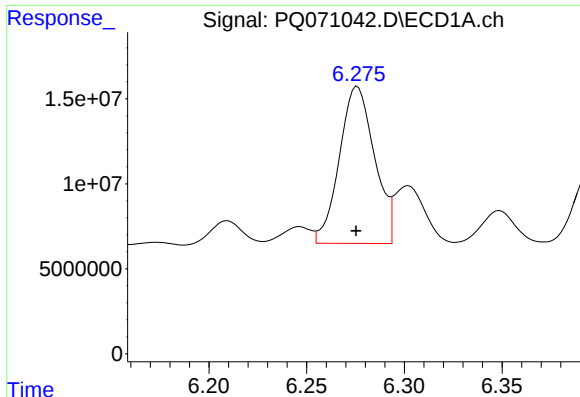
#31 AR-1260-1

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 100205542
Conc: 427.37 ng/ml



#31 AR-1260-1

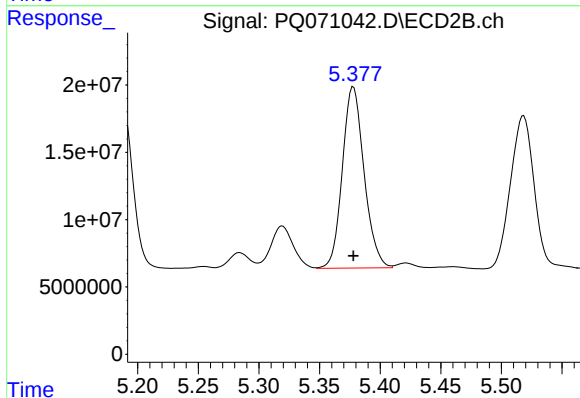
R.T.: 5.188 min
Delta R.T.: 0.000 min
Response: 139945440
Conc: 388.30 ng/ml



#32 AR-1260-2

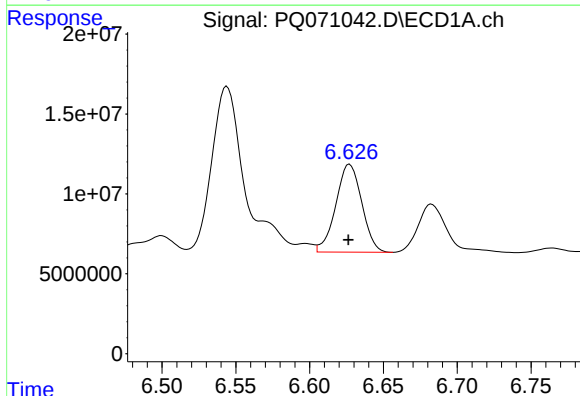
R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 115464191
Conc: 417.43 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMS



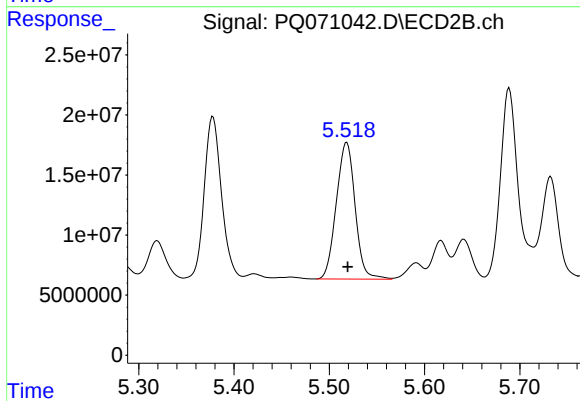
#32 AR-1260-2

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 167966731
Conc: 381.75 ng/ml



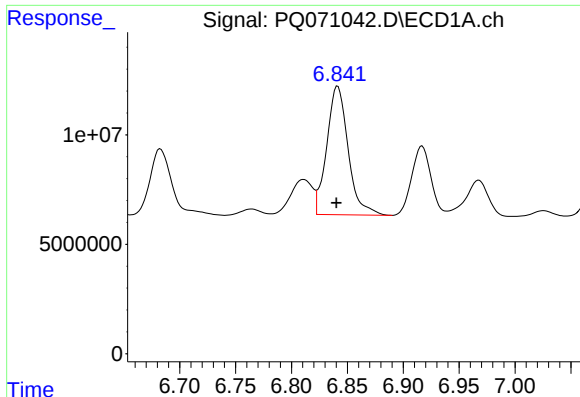
#33 AR-1260-3

R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 67437319
Conc: 338.36 ng/ml



#33 AR-1260-3

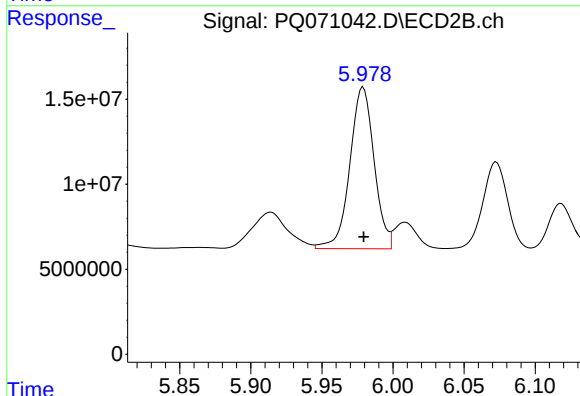
R.T.: 5.518 min
Delta R.T.: -0.001 min
Response: 156085653
Conc: 376.11 ng/ml



#34 AR-1260-4

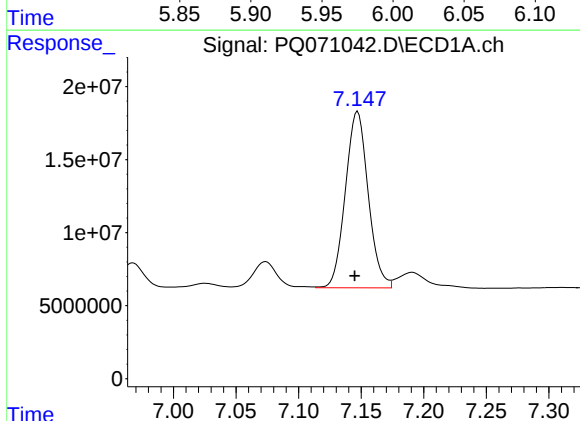
R.T.: 6.841 min
Delta R.T.: 0.001 min
Response: 78148877
Conc: 363.68 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMS



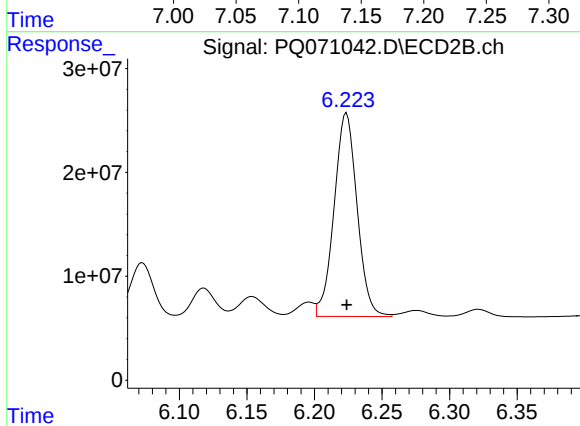
#34 AR-1260-4

R.T.: 5.979 min
Delta R.T.: 0.000 min
Response: 113073129
Conc: 314.30 ng/ml



#35 AR-1260-5

R.T.: 7.147 min
Delta R.T.: 0.002 min
Response: 153761016
Conc: 354.47 ng/ml



#35 AR-1260-5

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 231961453
Conc: 276.05 ng/ml

Report of Analysis

Client:	AECOM		Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	41-LAMSD		SDG No.:	Q3376
Lab Sample ID:	Q3402-01MSD		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	69.2
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	222		1	5.70	24.5	ug/kg	10/21/25 15:42	PB170178
11104-28-2	Aroclor-1221	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:42	PB170178
11141-16-5	Aroclor-1232	24.5	U	1	5.40	24.5	ug/kg	10/21/25 15:42	PB170178
53469-21-9	Aroclor-1242	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:42	PB170178
12672-29-6	Aroclor-1248	24.5	U	1	8.50	24.5	ug/kg	10/21/25 15:42	PB170178
11097-69-1	Aroclor-1254	24.5	U	1	4.60	24.5	ug/kg	10/21/25 15:42	PB170178
37324-23-5	Aroclor-1262	24.5	U	1	7.20	24.5	ug/kg	10/21/25 15:42	PB170178
11100-14-4	Aroclor-1268	24.5	U	1	5.20	24.5	ug/kg	10/21/25 15:42	PB170178
11096-82-5	Aroclor-1260	179		1	4.70	24.5	ug/kg	10/21/25 15:42	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.0			32 - 144	115%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.4			32 - 175	72%	SPK: 20		

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

Q3376-PCB

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
 Data File : PQ071043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 15:42
 Operator : YP\AJ
 Sample : Q3402-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 41-LAMSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 13:46:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Oct 11 01:55:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.399	2.777	99869388	104.3E6	22.957	20.528
2) SA Decachlor...	8.499	7.533	41920825	68916417	14.436	13.648
Target Compounds						
3) L1 AR-1016-1	4.480	3.776	66754227	90981119	406.681	406.162
4) L1 AR-1016-2	4.499	3.792	119.6E6	141.2E6	466.808	415.105
5) L1 AR-1016-3	4.556	3.952	75874791	75880313	476.845	417.248
6) L1 AR-1016-4	4.646	4.001	66534254	62581783	512.081	397.565
7) L1 AR-1016-5	4.930	4.196	57132787	76838356	443.568	400.530
31) L7 AR-1260-1	6.020	5.188	98841471	137.3E6	421.551	380.847
32) L7 AR-1260-2	6.276	5.377	113.1E6	166.4E6	408.711	378.143
33) L7 AR-1260-3	6.628	5.518	65984097	153.7E6	331.065	370.427
34) L7 AR-1260-4	6.841	5.978	76487253	110.7E6	355.948	307.747
35) L7 AR-1260-5	7.147	6.223	150.5E6	227.5E6	346.942	270.724

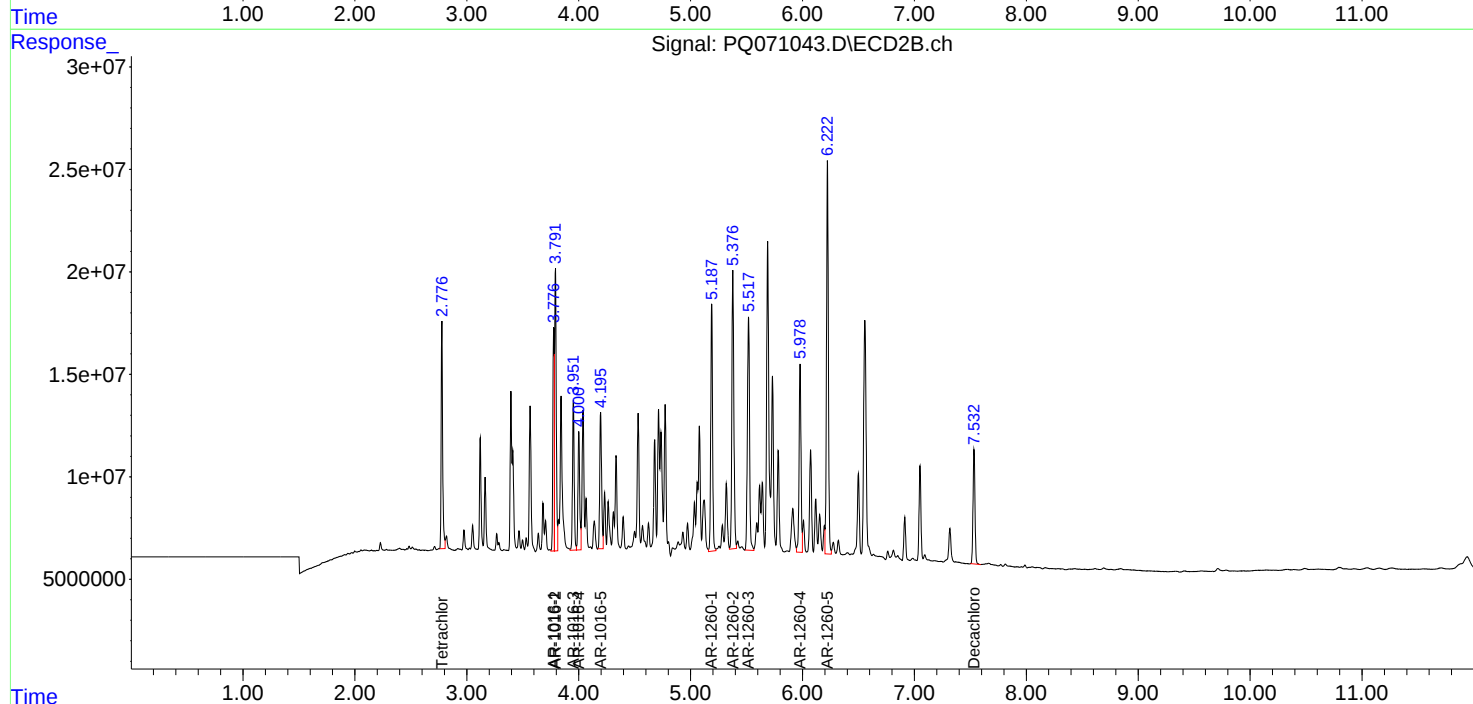
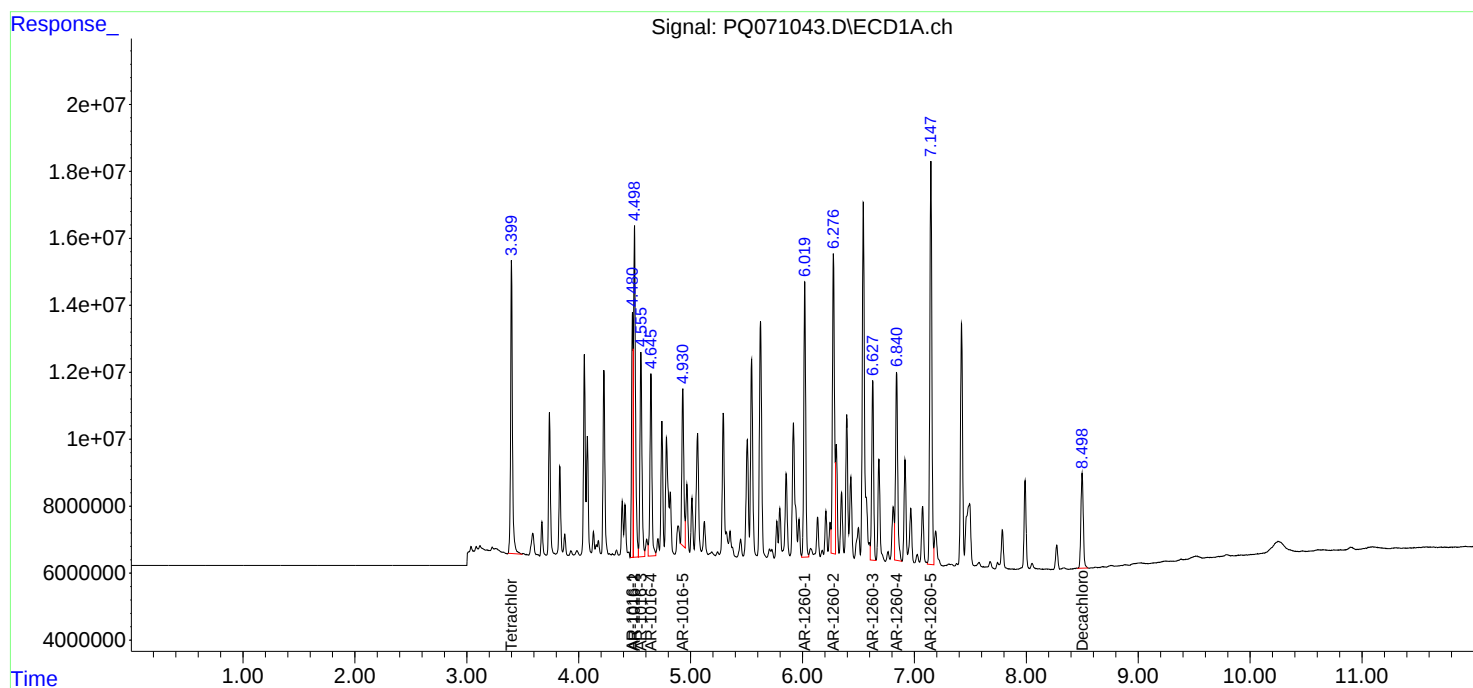
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

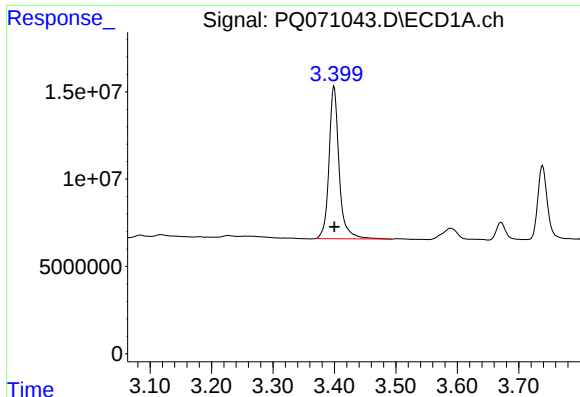
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ102125\
Data File : PQ071043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 15:42
Operator : YP\AJ
Sample : Q3402-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
41-LAMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 13:46:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ101025.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Oct 11 01:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

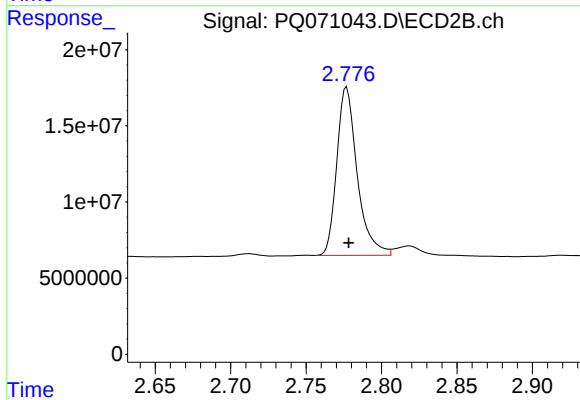




#1 Tetrachloro-m-xylene

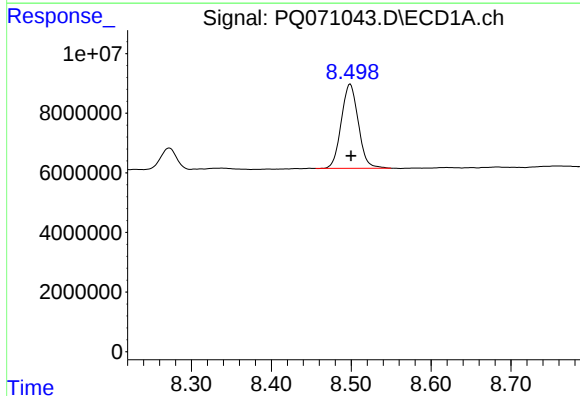
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 99869388
Conc: 22.96 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMSD



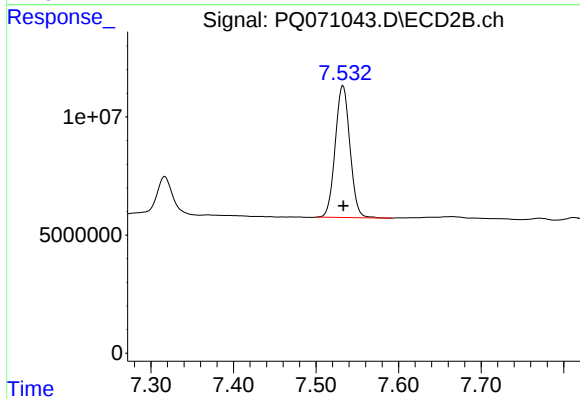
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: -0.001 min
Response: 104285037
Conc: 20.53 ng/ml



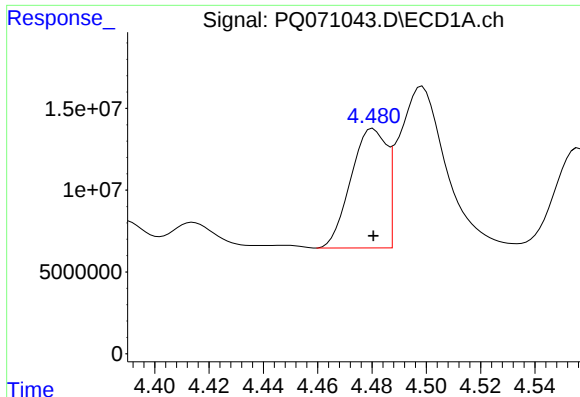
#2 Decachlorobiphenyl

R.T.: 8.499 min
Delta R.T.: -0.001 min
Response: 41920825
Conc: 14.44 ng/ml



#2 Decachlorobiphenyl

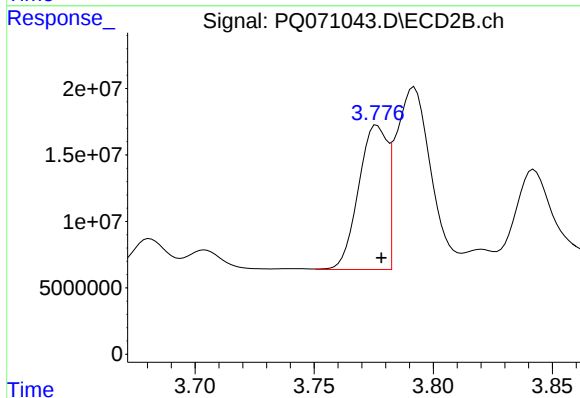
R.T.: 7.533 min
Delta R.T.: 0.000 min
Response: 68916417
Conc: 13.65 ng/ml



#3 AR-1016-1

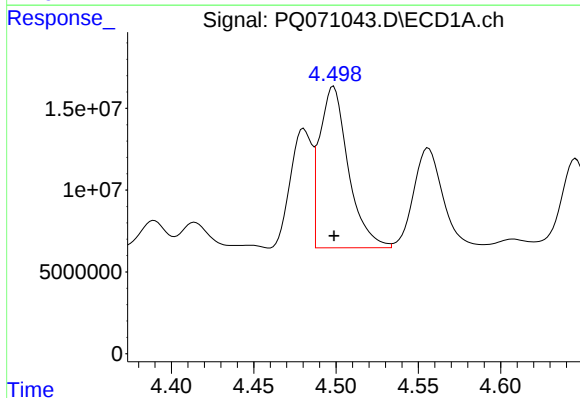
R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 66754227
Conc: 406.68 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMSD



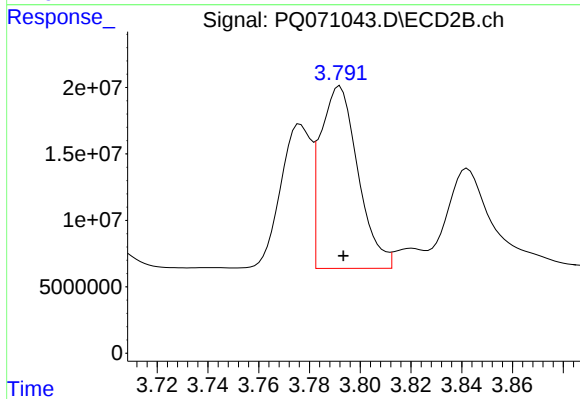
#3 AR-1016-1

R.T.: 3.776 min
Delta R.T.: -0.002 min
Response: 90981119
Conc: 406.16 ng/ml



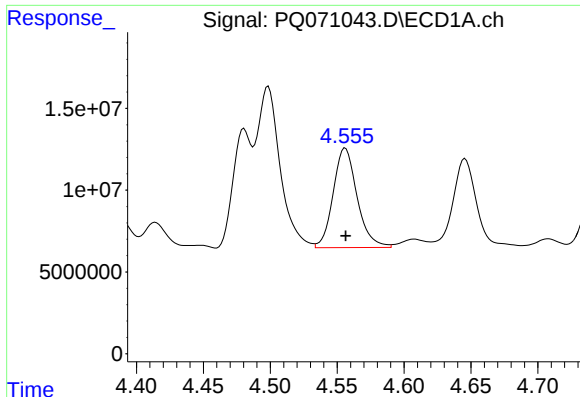
#4 AR-1016-2

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 119640293
Conc: 466.81 ng/ml



#4 AR-1016-2

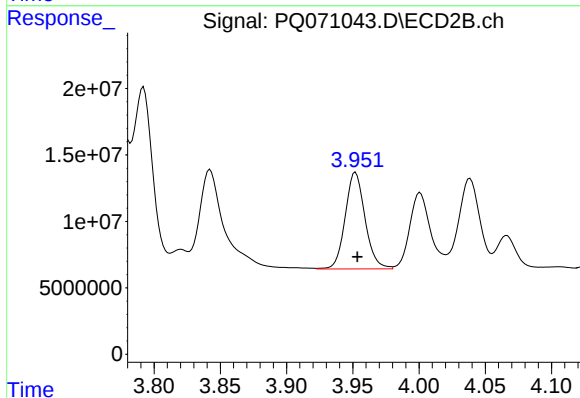
R.T.: 3.792 min
Delta R.T.: -0.001 min
Response: 141186690
Conc: 415.10 ng/ml



#5 AR-1016-3

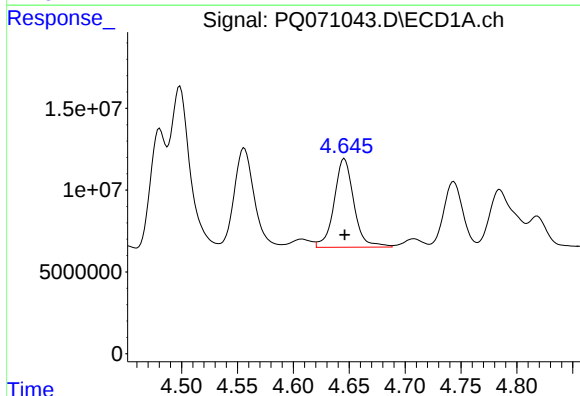
R.T.: 4.556 min
Delta R.T.: 0.000 min
Response: 75874791
Conc: 476.84 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMSD



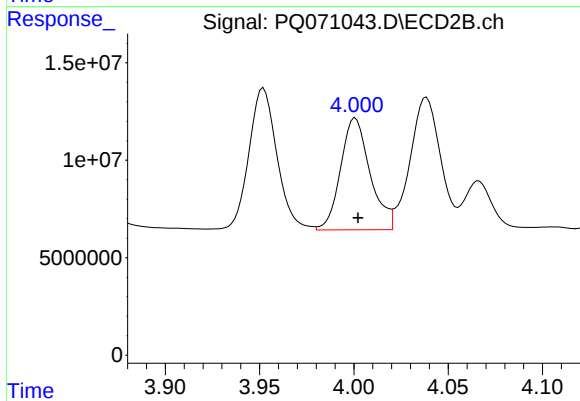
#5 AR-1016-3

R.T.: 3.952 min
Delta R.T.: -0.001 min
Response: 75880313
Conc: 417.25 ng/ml



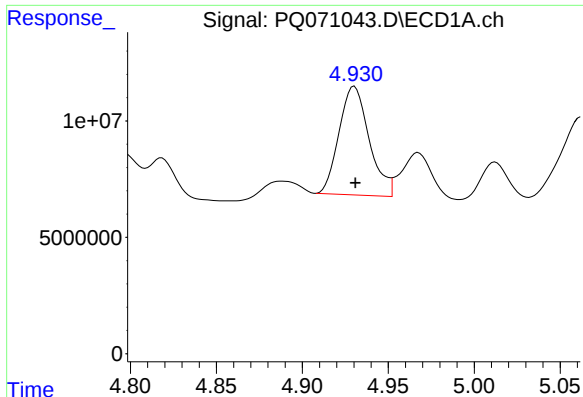
#6 AR-1016-4

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 66534254
Conc: 512.08 ng/ml



#6 AR-1016-4

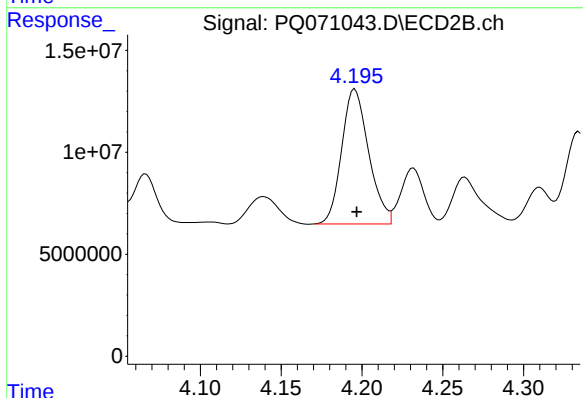
R.T.: 4.001 min
Delta R.T.: -0.001 min
Response: 62581783
Conc: 397.57 ng/ml



#7 AR-1016-5

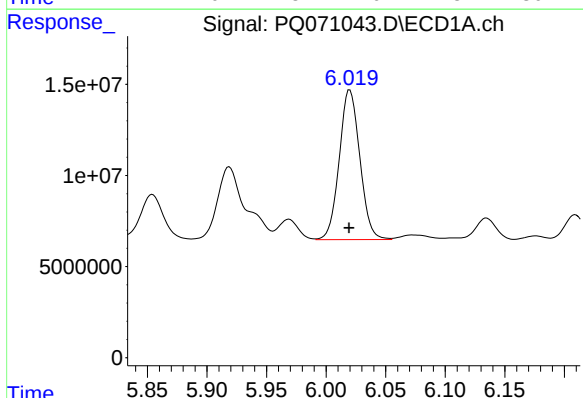
R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 57132787
Conc: 443.57 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMSD



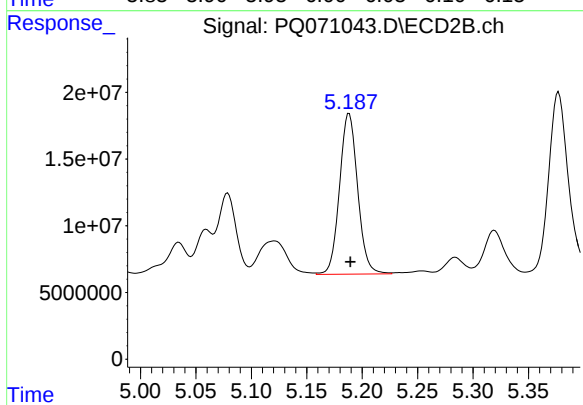
#7 AR-1016-5

R.T.: 4.196 min
Delta R.T.: -0.001 min
Response: 76838356
Conc: 400.53 ng/ml



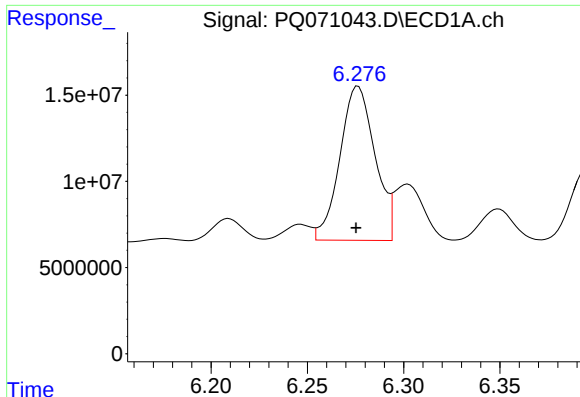
#31 AR-1260-1

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 98841471
Conc: 421.55 ng/ml



#31 AR-1260-1

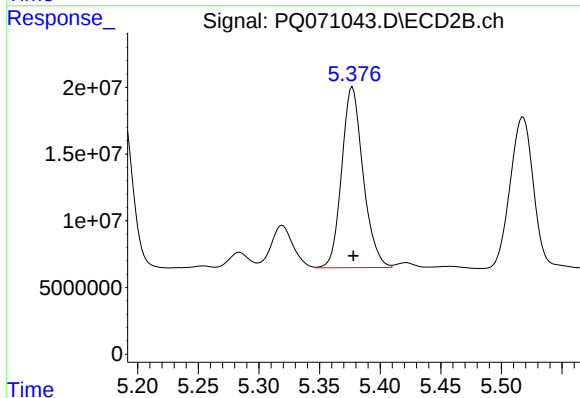
R.T.: 5.188 min
Delta R.T.: -0.001 min
Response: 137259512
Conc: 380.85 ng/ml



#32 AR-1260-2

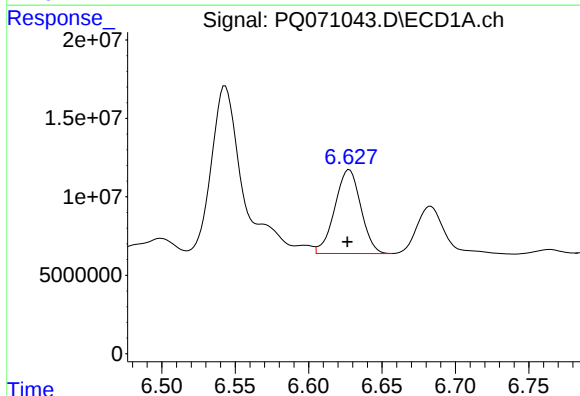
R.T.: 6.276 min
Delta R.T.: 0.001 min
Response: 113053119
Conc: 408.71 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMSD



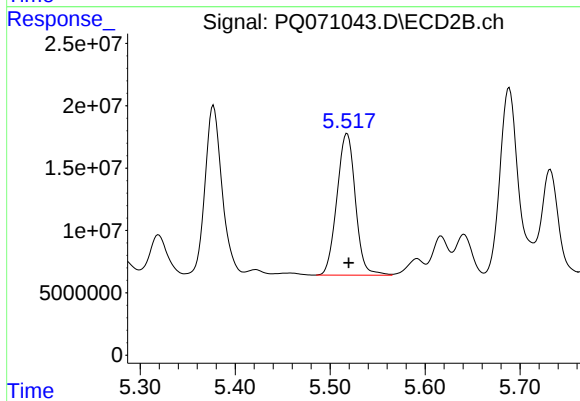
#32 AR-1260-2

R.T.: 5.377 min
Delta R.T.: 0.000 min
Response: 166380562
Conc: 378.14 ng/ml



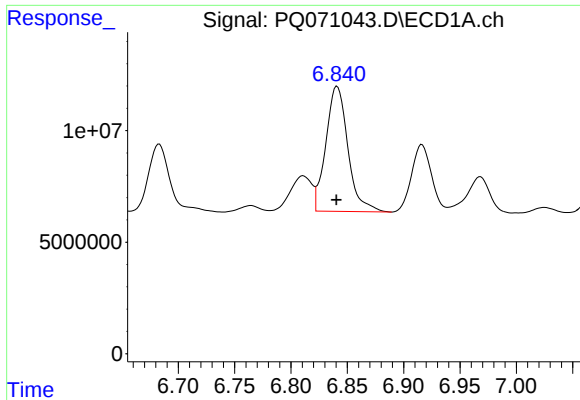
#33 AR-1260-3

R.T.: 6.628 min
Delta R.T.: 0.001 min
Response: 65984097
Conc: 331.07 ng/ml



#33 AR-1260-3

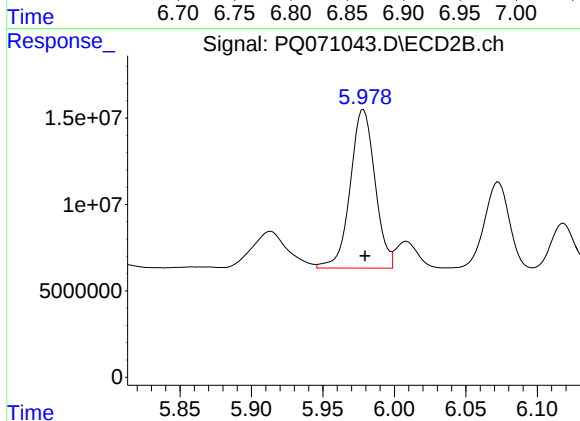
R.T.: 5.518 min
Delta R.T.: -0.002 min
Response: 153726852
Conc: 370.43 ng/ml



#34 AR-1260-4

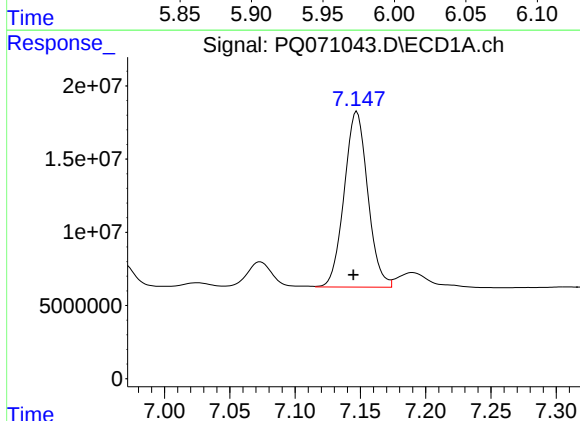
R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 76487253
Conc: 355.95 ng/ml

Instrument :
ECD_Q
ClientSampleId :
41-LAMSD



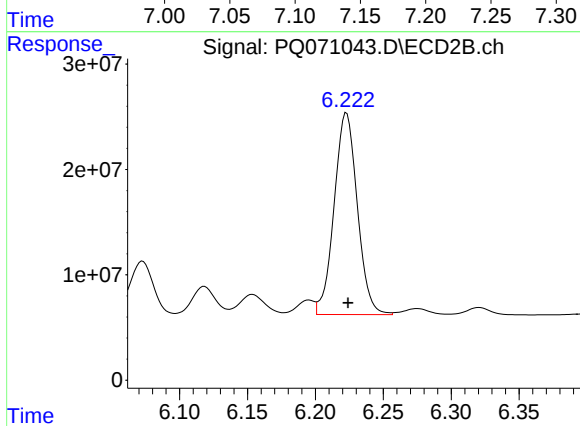
#34 AR-1260-4

R.T.: 5.978 min
Delta R.T.: 0.000 min
Response: 110715769
Conc: 307.75 ng/ml



#35 AR-1260-5

R.T.: 7.147 min
Delta R.T.: 0.003 min
Response: 150495349
Conc: 346.94 ng/ml



#35 AR-1260-5

R.T.: 6.223 min
Delta R.T.: -0.001 min
Response: 227484310
Conc: 270.72 ng/ml

Manual Integration Report

Sequence:	pq101025	Instrument	ECD_q
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PQ070977.D	AR-1260-1	yogesh	10/13/2025 8:00:35 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1660ICC050	PQ070977.D	AR-1260-2	yogesh	10/13/2025 8:00:35 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1242ICC050	PQ070984.D	AR-1242-1 #2	yogesh	10/13/2025 8:00:37 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1242ICC050	PQ070984.D	AR-1242-2 #2	yogesh	10/13/2025 8:00:37 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1242ICC050	PQ070984.D	AR-1242-3 #2	yogesh	10/13/2025 8:00:37 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1242ICC050	PQ070984.D	AR-1242-4 #2	yogesh	10/13/2025 8:00:37 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1242ICC050	PQ070984.D	AR-1242-5	yogesh	10/13/2025 8:00:37 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1242ICC050	PQ070984.D	AR-1242-5 #2	yogesh	10/13/2025 8:00:37 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1248ICC250	PQ070988.D	AR-1248-4 #2	yogesh	10/13/2025 8:00:39 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1248ICC250	PQ070988.D	AR-1248-5 #2	yogesh	10/13/2025 8:00:39 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
PQ101025ICV	PQ071001.D	AR-1016-1 #2	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
PQ101025ICV	PQ071001.D	AR-1016-2 #2	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
PQ101025ICV	PQ071001.D	AR-1016-3 #2	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software

Manual Integration Report

Sequence:	pq101025	Instrument	ECD_q
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PQ101025ICV	PQ071001.D	AR-1016-4 #2	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
PQ101025ICV	PQ071001.D	AR-1016-5 #2	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
PQ101025ICV	PQ071001.D	AR-1260-1	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
PQ101025ICV	PQ071001.D	AR-1260-1 #2	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
PQ101025ICV	PQ071001.D	AR-1260-2	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
PQ101025ICV	PQ071001.D	AR-1260-2 #2	yogesh	10/13/2025 8:00:41 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1242ICV500	PQ071002.D	AR-1242-3 #2	yogesh	10/13/2025 8:00:43 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1248ICV500	PQ071003.D	AR-1248-4	yogesh	10/13/2025 8:00:45 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1248ICV500	PQ071003.D	AR-1248-4 #2	yogesh	10/13/2025 8:00:45 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software
AR1248ICV500	PQ071003.D	AR-1248-5	yogesh	10/13/2025 8:00:45 AM	mohammad	10/14/2025 2:48:24	Peak Integrated by Software

Manual Integration Report

Sequence:	PQ102125	Instrument	ECD_q
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PQ071030.D	AR-1242-2	yogesh	10/23/2025 7:24:13 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
AR1242CCC500	PQ071030.D	AR-1242-5	yogesh	10/23/2025 7:24:13 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
Q3376-01	PQ071036.D	AR-1254-1	yogesh	10/23/2025 7:24:15 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
Q3376-01	PQ071036.D	AR-1254-1 #2	yogesh	10/23/2025 7:24:15 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
Q3376-01	PQ071036.D	AR-1254-2 #2	yogesh	10/23/2025 7:24:15 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
Q3376-01	PQ071036.D	AR-1254-3 #2	yogesh	10/23/2025 7:24:15 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
Q3376-02	PQ071037.D	AR-1254-1	yogesh	10/23/2025 7:24:16 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
Q3376-02	PQ071037.D	AR-1254-1 #2	yogesh	10/23/2025 7:24:16 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
Q3376-02	PQ071037.D	AR-1254-2 #2	yogesh	10/23/2025 7:24:16 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software
Q3376-02	PQ071037.D	Tetrachloro-m-xylene #2	yogesh	10/23/2025 7:24:16 AM	mohammad	10/24/2025 1:14:06	Peak Integrated by Software

Manual Integration Report

Sequence:	PQ102425	Instrument	ECD_q
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PQ071125.D	AR-1242-2	yogesh	10/27/2025 8:37:28 AM	mohammad	10/28/2025 6:10:20	Peak Integrated by Software
PB170178BS	PQ071140.D	AR-1260-1	yogesh	10/27/2025 8:37:32 AM	mohammad	10/28/2025 6:10:20	Peak Integrated by Software
AR1660CCC500	PQ071145.D	AR-1016-5 #2	yogesh	10/27/2025 8:37:35 AM	mohammad	10/28/2025 6:10:20	Peak Integrated by Software
AR1660CCC500	PQ071145.D	AR-1260-1	yogesh	10/27/2025 8:37:35 AM	mohammad	10/28/2025 6:10:20	Peak Integrated by Software
AR1660CCC500	PQ071145.D	AR-1260-2	yogesh	10/27/2025 8:37:35 AM	mohammad	10/28/2025 6:10:20	Peak Integrated by Software

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ101025

Review By	yogesh	Review On	10/10/2025 10:11:25 AM
Supervise By	mohammad	Supervise On	10/14/2025 2:48:24 AM
SubDirectory	PQ101025	HP Acquire Method	HP Processing Method PQ101025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC			
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ070971.D	10 Oct 2025 08:27	YP\AJ	Ok
2	I.BLK	PQ070972.D	10 Oct 2025 08:42	YP\AJ	Ok
3	AR1660ICC1000	PQ070973.D	10 Oct 2025 08:57	YP\AJ	Ok
4	AR1660ICC750	PQ070974.D	10 Oct 2025 09:11	YP\AJ	Ok
5	AR1660ICC500	PQ070975.D	10 Oct 2025 09:26	YP\AJ	Ok
6	AR1660ICC250	PQ070976.D	10 Oct 2025 09:40	YP\AJ	Ok
7	AR1660ICC050	PQ070977.D	10 Oct 2025 09:55	YP\AJ	Ok,M
8	AR1221ICC500	PQ070978.D	10 Oct 2025 10:09	YP\AJ	Ok
9	AR1232ICC500	PQ070979.D	10 Oct 2025 10:24	YP\AJ	Ok
10	AR1242ICC1000	PQ070980.D	10 Oct 2025 10:38	YP\AJ	Ok
11	AR1242ICC750	PQ070981.D	10 Oct 2025 10:53	YP\AJ	Ok
12	AR1242ICC500	PQ070982.D	10 Oct 2025 11:08	YP\AJ	Ok
13	AR1242ICC250	PQ070983.D	10 Oct 2025 11:22	YP\AJ	Ok
14	AR1242ICC050	PQ070984.D	10 Oct 2025 11:37	YP\AJ	Ok,M
15	AR1248ICC1000	PQ070985.D	10 Oct 2025 11:51	YP\AJ	Ok
16	AR1248ICC750	PQ070986.D	10 Oct 2025 12:06	YP\AJ	Ok
17	AR1248ICC500	PQ070987.D	10 Oct 2025 12:20	YP\AJ	Ok
18	AR1248ICC250	PQ070988.D	10 Oct 2025 12:35	YP\AJ	Ok,M
19	AR1248ICC050	PQ070989.D	10 Oct 2025 12:50	YP\AJ	Ok
20	AR1254ICC1000	PQ070990.D	10 Oct 2025 13:04	YP\AJ	Ok
21	AR1254ICC750	PQ070991.D	10 Oct 2025 13:19	YP\AJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ101025

Review By	yogesh	Review On	10/10/2025 10:11:25 AM
Supervise By	mohammad	Supervise On	10/14/2025 2:48:24 AM
SubDirectory	PQ101025	HP Acquire Method	HP Processing Method PQ101025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC			
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PQ070992.D	10 Oct 2025 13:33	YP\AJ	Ok
23	AR1254ICC250	PQ070993.D	10 Oct 2025 13:48	YP\AJ	Ok
24	AR1254ICC050	PQ070994.D	10 Oct 2025 15:15	YP\AJ	Ok
25	AR1262ICC500	PQ070995.D	10 Oct 2025 15:30	YP\AJ	Ok
26	AR1268ICC1000	PQ070996.D	10 Oct 2025 15:44	YP\AJ	Ok
27	AR1268ICC750	PQ070997.D	10 Oct 2025 15:59	YP\AJ	Ok
28	AR1268ICC500	PQ070998.D	10 Oct 2025 16:13	YP\AJ	Ok
29	AR1268ICC250	PQ070999.D	10 Oct 2025 16:28	YP\AJ	Ok
30	AR1268ICC050	PQ071000.D	10 Oct 2025 16:43	YP\AJ	Ok
31	PQ101025ICV	PQ071001.D	10 Oct 2025 16:57	YP\AJ	Ok,M
32	AR1242ICV500	PQ071002.D	10 Oct 2025 17:41	YP\AJ	Ok,M
33	AR1248ICV500	PQ071003.D	10 Oct 2025 18:25	YP\AJ	Ok,M
34	AR1254ICV500	PQ071004.D	10 Oct 2025 19:08	YP\AJ	Ok
35	AR1268ICV500	PQ071005.D	10 Oct 2025 19:52	YP\AJ	Ok
36	DDT ANALOG	PQ071006.D	10 Oct 2025 20:36	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ102125

Review By	yogesh	Review On	10/22/2025 11:57:44 AM
Supervise By	mohammad	Supervise On	10/24/2025 1:14:06 AM
SubDirectory	PQ102125	HP Acquire Method	HP Processing Method PQ101025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ071028.D	21 Oct 2025 09:37	YP\AJ	Ok
2	AR1660CCC500	PQ071029.D	21 Oct 2025 11:06	YP\AJ	Ok
3	AR1242CCC500	PQ071030.D	21 Oct 2025 11:25	YP\AJ	Ok,M
4	AR1248CCC500	PQ071031.D	21 Oct 2025 11:40	YP\AJ	Ok
5	AR1254CCC500	PQ071032.D	21 Oct 2025 11:54	YP\AJ	Ok
6	I.BLK	PQ071033.D	21 Oct 2025 12:09	YP\AJ	Ok
7	PB170178BL	PQ071034.D	21 Oct 2025 13:31	YP\AJ	Ok
8	PB170178BS	PQ071035.D	21 Oct 2025 13:46	YP\AJ	Not Ok
9	Q3376-01	PQ071036.D	21 Oct 2025 14:00	YP\AJ	Ok,M
10	Q3376-02	PQ071037.D	21 Oct 2025 14:15	YP\AJ	Ok,M
11	Q3376-03	PQ071038.D	21 Oct 2025 14:30	YP\AJ	Ok
12	Q3376-04	PQ071039.D	21 Oct 2025 14:44	YP\AJ	Ok
13	Q3376-05	PQ071040.D	21 Oct 2025 14:59	YP\AJ	Ok
14	Q3402-01	PQ071041.D	21 Oct 2025 15:13	YP\AJ	Ok
15	Q3402-01MS	PQ071042.D	21 Oct 2025 15:28	YP\AJ	Ok
16	Q3402-01MSD	PQ071043.D	21 Oct 2025 15:42	YP\AJ	Ok
17	AR1660CCC500	PQ071044.D	21 Oct 2025 16:41	YP\AJ	Ok
18	AR1242CCC500	PQ071045.D	21 Oct 2025 17:25	YP\AJ	Ok
19	AR1248CCC500	PQ071046.D	21 Oct 2025 17:39	YP\AJ	Ok
20	AR1254CCC500	PQ071047.D	21 Oct 2025 17:54	YP\AJ	Ok
21	I.BLK	PQ071048.D	21 Oct 2025 18:08	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ102425

Review By	yogesh	Review On	10/24/2025 11:07:53 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:20 AM
SubDirectory	PQ102425	HP Acquire Method	HP Processing Method PQ101025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ071118.D	24 Oct 2025 08:37	YP\AJ	Ok
2	AR1660CCC500	PQ071119.D	24 Oct 2025 08:52	YP\AJ	Ok
3	I.BLK	PQ071120.D	24 Oct 2025 09:06	YP\AJ	Ok
4	PB170211BS	PQ071121.D	24 Oct 2025 09:34	YP\AJ	Ok,M
5	PB170211BSD	PQ071122.D	24 Oct 2025 09:51	YP\AJ	Ok,M
6	PB170227BS	PQ071123.D	24 Oct 2025 10:07	YP\AJ	Ok
7	AR1660CCC500	PQ071124.D	24 Oct 2025 10:36	YP\AJ	Ok
8	AR1242CCC500	PQ071125.D	24 Oct 2025 10:57	YP\AJ	Ok,M
9	AR1248CCC500	PQ071126.D	24 Oct 2025 11:13	YP\AJ	Ok
10	AR1254CCC500	PQ071127.D	24 Oct 2025 11:28	YP\AJ	Ok
11	I.BLK	PQ071128.D	24 Oct 2025 11:46	YP\AJ	Ok
12	PB170228BS	PQ071130.D	24 Oct 2025 12:15	YP\AJ	Ok
13	Q3429-01	PQ071131.D	24 Oct 2025 12:29	YP\AJ	Dilution
14	Q3429-02	PQ071132.D	24 Oct 2025 12:44	YP\AJ	Dilution
15	Q3430-01	PQ071133.D	24 Oct 2025 12:58	YP\AJ	ReRun
16	AR1660CCC500	PQ071134.D	24 Oct 2025 13:57	YP\AJ	Ok
17	AR1242CCC500	PQ071135.D	24 Oct 2025 14:12	YP\AJ	Ok
18	AR1248CCC500	PQ071136.D	24 Oct 2025 14:26	YP\AJ	Ok
19	AR1254CCC500	PQ071137.D	24 Oct 2025 14:41	YP\AJ	Ok
20	I.BLK	PQ071138.D	24 Oct 2025 14:55	YP\AJ	Ok
21	Q3430-01RE	PQ071139.D	24 Oct 2025 15:10	YP\AJ	Confirms

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ102425

Review By	yogesh	Review On	10/24/2025 11:07:53 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:20 AM
SubDirectory	PQ102425	HP Acquire Method	HP Processing Method PQ101025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB170178BS	PQ071140.D	24 Oct 2025 15:24	YP\AJ	Ok,M
23	Q3429-01DL	PQ071141.D	24 Oct 2025 15:39	YP\AJ	Dilution
24	Q3429-01DL2	PQ071142.D	24 Oct 2025 15:54	YP\AJ	Ok
25	Q3429-02DL	PQ071143.D	24 Oct 2025 16:08	YP\AJ	Dilution
26	Q3429-02DL2	PQ071144.D	24 Oct 2025 16:23	YP\AJ	Ok
27	AR1660CCC500	PQ071145.D	24 Oct 2025 17:21	YP\AJ	Ok,M
28	AR1254CCC500	PQ071146.D	24 Oct 2025 17:50	YP\AJ	Ok
29	I.BLK	PQ071147.D	24 Oct 2025 18:05	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ101025

Review By	yogesh	Review On	10/10/2025 10:11:25 AM
Supervise By	mohammad	Supervise On	10/14/2025 2:48:24 AM
SubDirectory	PQ101025	HP Acquire Method	HP Processing Method PQ101025
STD. NAME	STD REF.#		
Tune/Reschk	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ070971.D	10 Oct 2025 08:27		YPIAJ	Ok
2	I.BLK	I.BLK	PQ070972.D	10 Oct 2025 08:42		YPIAJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PQ070973.D	10 Oct 2025 08:57		YPIAJ	Ok
4	AR1660ICC750	AR1660ICC750	PQ070974.D	10 Oct 2025 09:11		YPIAJ	Ok
5	AR1660ICC500	AR1660ICC500	PQ070975.D	10 Oct 2025 09:26		YPIAJ	Ok
6	AR1660ICC250	AR1660ICC250	PQ070976.D	10 Oct 2025 09:40		YPIAJ	Ok
7	AR1660ICC050	AR1660ICC050	PQ070977.D	10 Oct 2025 09:55		YPIAJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PQ070978.D	10 Oct 2025 10:09		YPIAJ	Ok
9	AR1232ICC500	AR1232ICC500	PQ070979.D	10 Oct 2025 10:24		YPIAJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PQ070980.D	10 Oct 2025 10:38		YPIAJ	Ok
11	AR1242ICC750	AR1242ICC750	PQ070981.D	10 Oct 2025 10:53		YPIAJ	Ok
12	AR1242ICC500	AR1242ICC500	PQ070982.D	10 Oct 2025 11:08		YPIAJ	Ok
13	AR1242ICC250	AR1242ICC250	PQ070983.D	10 Oct 2025 11:22		YPIAJ	Ok
14	AR1242ICC050	AR1242ICC050	PQ070984.D	10 Oct 2025 11:37		YPIAJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PQ070985.D	10 Oct 2025 11:51		YPIAJ	Ok
16	AR1248ICC750	AR1248ICC750	PQ070986.D	10 Oct 2025 12:06		YPIAJ	Ok
17	AR1248ICC500	AR1248ICC500	PQ070987.D	10 Oct 2025 12:20		YPIAJ	Ok
18	AR1248ICC250	AR1248ICC250	PQ070988.D	10 Oct 2025 12:35		YPIAJ	Ok,M

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ101025

Review By	yogesh	Review On	10/10/2025 10:11:25 AM	
Supervise By	mohammad	Supervise On	10/14/2025 2:48:24 AM	
SubDirectory	PQ101025	HP Acquire Method	HP Processing Method	PQ101025
STD. NAME	STD REF.#			
Tune/Reschk	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854			
Initial Calibration Stds				
CCC				
Internal Standard/PEM				
ICV/I.BLK				
Surrogate Standard				
MS/MSD Standard				
LCS Standard				

19	AR1248ICC050	AR1248ICC050	PQ070989.D	10 Oct 2025 12:50		YPIAJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PQ070990.D	10 Oct 2025 13:04		YPIAJ	Ok
21	AR1254ICC750	AR1254ICC750	PQ070991.D	10 Oct 2025 13:19		YPIAJ	Ok
22	AR1254ICC500	AR1254ICC500	PQ070992.D	10 Oct 2025 13:33		YPIAJ	Ok
23	AR1254ICC250	AR1254ICC250	PQ070993.D	10 Oct 2025 13:48		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PQ070994.D	10 Oct 2025 15:15		YPIAJ	Ok
25	AR1262ICC500	AR1262ICC500	PQ070995.D	10 Oct 2025 15:30		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PQ070996.D	10 Oct 2025 15:44		YPIAJ	Ok
27	AR1268ICC750	AR1268ICC750	PQ070997.D	10 Oct 2025 15:59		YPIAJ	Ok
28	AR1268ICC500	AR1268ICC500	PQ070998.D	10 Oct 2025 16:13		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PQ070999.D	10 Oct 2025 16:28		YPIAJ	Ok
30	AR1268ICC050	AR1268ICC050	PQ071000.D	10 Oct 2025 16:43		YPIAJ	Ok
31	PQ101025ICV	ICVPQ101025	PQ071001.D	10 Oct 2025 16:57		YPIAJ	Ok,M
32	AR1242ICV500	ICVPQ101025AR1242	PQ071002.D	10 Oct 2025 17:41		YPIAJ	Ok,M
33	AR1248ICV500	ICVPQ101025AR1248	PQ071003.D	10 Oct 2025 18:25		YPIAJ	Ok,M
34	AR1254ICV500	ICVPQ101025AR1254	PQ071004.D	10 Oct 2025 19:08		YPIAJ	Ok
35	AR1268ICV500	ICVPQ101025AR1268	PQ071005.D	10 Oct 2025 19:52		YPIAJ	Ok
36	DDT ANALOG	DDT ANALOG	PQ071006.D	10 Oct 2025 20:36		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ102125

Review By	yogesh	Review On	10/22/2025 11:57:44 AM
Supervise By	mohammad	Supervise On	10/24/2025 1:14:06 AM
SubDirectory	PQ102125	HP Acquire Method	HP Processing Method PQ101025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ071028.D	21 Oct 2025 09:37		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PQ071029.D	21 Oct 2025 11:06		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PQ071030.D	21 Oct 2025 11:25		YPIAJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PQ071031.D	21 Oct 2025 11:40	DCB high in both column	YPIAJ	Ok
5	AR1254CCC500	AR1254CCC500	PQ071032.D	21 Oct 2025 11:54	DCB high in both column	YPIAJ	Ok
6	I.BLK	I.BLK	PQ071033.D	21 Oct 2025 12:09		YPIAJ	Ok
7	PB170178BL	PB170178BL	PQ071034.D	21 Oct 2025 13:31		YPIAJ	Ok
8	PB170178BS	PB170178BS	PQ071035.D	21 Oct 2025 13:46		YPIAJ	Not Ok
9	Q3376-01	PR132-S05-057082-20	PQ071036.D	21 Oct 2025 14:00	AR1254 hits	YPIAJ	Ok,M
10	Q3376-02	PR132-DP01-20251016	PQ071037.D	21 Oct 2025 14:15	AR1254 hits	YPIAJ	Ok,M
11	Q3376-03	PR132-COMP2-20251016	PQ071038.D	21 Oct 2025 14:30		YPIAJ	Ok
12	Q3376-04	PR132-S12-047072-20	PQ071039.D	21 Oct 2025 14:44	AR1248 hit	YPIAJ	Ok
13	Q3376-05	PR132-S12-020047-20	PQ071040.D	21 Oct 2025 14:59	AR1248 hit	YPIAJ	Ok
14	Q3402-01	41-LA	PQ071041.D	21 Oct 2025 15:13		YPIAJ	Ok
15	Q3402-01MS	41-LAMS	PQ071042.D	21 Oct 2025 15:28		YPIAJ	Ok
16	Q3402-01MSD	41-LAMSD	PQ071043.D	21 Oct 2025 15:42		YPIAJ	Ok
17	AR1660CCC500	AR1660CCC500	PQ071044.D	21 Oct 2025 16:41		YPIAJ	Ok
18	AR1242CCC500	AR1242CCC500	PQ071045.D	21 Oct 2025 17:25	Failing high in first column	YPIAJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ102125

Review By	yogesh	Review On	10/22/2025 11:57:44 AM
Supervise By	mohammad	Supervise On	10/24/2025 1:14:06 AM
SubDirectory	PQ102125	HP Acquire Method	HP Processing Method PQ101025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PQ071046.D	21 Oct 2025 17:39	DCB high in both column	YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PQ071047.D	21 Oct 2025 17:54	DCB high in both column	YP\AJ	Ok
21	I.BLK	I.BLK	PQ071048.D	21 Oct 2025 18:08		YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ102425

Review By	yogesh	Review On	10/24/2025 11:07:53 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:20 AM
SubDirectory	PQ102425	HP Acquire Method	HP Processing Method PQ101025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ071118.D	24 Oct 2025 08:37		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PQ071119.D	24 Oct 2025 08:52		YPIAJ	Ok
3	I.BLK	I.BLK	PQ071120.D	24 Oct 2025 09:06		YPIAJ	Ok
4	PB170211BS	PB170211BS	PQ071121.D	24 Oct 2025 09:34		YPIAJ	Ok,M
5	PB170211BSD	PB170211BSD	PQ071122.D	24 Oct 2025 09:51		YPIAJ	Ok,M
6	PB170227BS	PB170227BS	PQ071123.D	24 Oct 2025 10:07		YPIAJ	Ok
7	AR1660CCC500	AR1660CCC500	PQ071124.D	24 Oct 2025 10:36		YPIAJ	Ok
8	AR1242CCC500	AR1242CCC500	PQ071125.D	24 Oct 2025 10:57		YPIAJ	Ok,M
9	AR1248CCC500	AR1248CCC500	PQ071126.D	24 Oct 2025 11:13		YPIAJ	Ok
10	AR1254CCC500	AR1254CCC500	PQ071127.D	24 Oct 2025 11:28		YPIAJ	Ok
11	I.BLK	I.BLK	PQ071128.D	24 Oct 2025 11:46		YPIAJ	Ok
12	PB170228BS	PB170228BS	PQ071130.D	24 Oct 2025 12:15		YPIAJ	Ok
13	Q3429-01	40309	PQ071131.D	24 Oct 2025 12:29	AR1254 hits, DCB high in 1st column	YPIAJ	Dilution
14	Q3429-02	40310	PQ071132.D	24 Oct 2025 12:44	AR1254 hits	YPIAJ	Dilution
15	Q3430-01	BUR-25-0095	PQ071133.D	24 Oct 2025 12:58	DCB high in both column & TCMX high in 1st column	YPIAJ	ReRun
16	AR1660CCC500	AR1660CCC500	PQ071134.D	24 Oct 2025 13:57		YPIAJ	Ok
17	AR1242CCC500	AR1242CCC500	PQ071135.D	24 Oct 2025 14:12		YPIAJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ102425

Review By	yogesh	Review On	10/24/2025 11:07:53 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:20 AM
SubDirectory	PQ102425	HP Acquire Method	HP Processing Method PQ101025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	AR1248CCC500	AR1248CCC500	PQ071136.D	24 Oct 2025 14:26		YPIAJ	Ok
19	AR1254CCC500	AR1254CCC500	PQ071137.D	24 Oct 2025 14:41		YPIAJ	Ok
20	I.BLK	I.BLK	PQ071138.D	24 Oct 2025 14:55		YPIAJ	Ok
21	Q3430-01RE	BUR-25-0095RE	PQ071139.D	24 Oct 2025 15:10	DCB high in both column & TCMX high in 1st column	YPIAJ	Confirms
22	PB170178BS	PB170178BS	PQ071140.D	24 Oct 2025 15:24		YPIAJ	Ok,M
23	Q3429-01DL	40309DL	PQ071141.D	24 Oct 2025 15:39	AR1254 hits	YPIAJ	Dilution
24	Q3429-01DL2	40309DL2	PQ071142.D	24 Oct 2025 15:54	AR1254 hits	YPIAJ	Ok
25	Q3429-02DL	40310DL	PQ071143.D	24 Oct 2025 16:08	AR1254 hits, DCB High in 2nd column & TCMX high in 1st column	YPIAJ	Dilution
26	Q3429-02DL2	40310DL2	PQ071144.D	24 Oct 2025 16:23	AR1254 hits	YPIAJ	Ok
27	AR1660CCC500	AR1660CCC500	PQ071145.D	24 Oct 2025 17:21		YPIAJ	Ok,M
28	AR1254CCC500	AR1254CCC500	PQ071146.D	24 Oct 2025 17:50		YPIAJ	Ok
29	I.BLK	I.BLK	PQ071147.D	24 Oct 2025 18:05		YPIAJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB137576

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
Q3373-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3373-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3373-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3373-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3373-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3373-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3374-01	TP-4-WC	7	1.15	10.69	11.84	10.25	85.1	
Q3374-02	TP-4-WC-EPH	8	1.11	10.86	11.97	11.38	94.6	
Q3374-03	TP-4-WC-VOC	9	1.15	10.45	11.6	10.31	87.7	
Q3374-05	TP-5-WC	10	1.13	10.30	11.43	10.72	93.1	
Q3374-06	TP-5-WC-EPH	11	1.17	10.34	11.51	9.95	84.9	
Q3374-07	TP-5-WC-VOC	12	1.18	10.94	12.12	11.19	91.5	
Q3375-01	PR132-S02-074099-20251016	13	1.12	10.21	11.33	8.19	69.2	
Q3375-02	PR132-S04-000013-20251016	14	1.15	10.84	11.99	9.25	74.7	
Q3375-03	PR132-S05-000057-20251016	15	1.16	10.58	11.74	8.22	66.7	
Q3375-04	PR132-S02-010074-20251016	16	1.14	10.34	11.48	6.86	55.3	
Q3375-05	PR132-DP02-074099-20251016	17	1.15	10.84	11.99	8.38	66.7	
Q3376-01	PR132-S05-057082-20251016	18	1.13	10.84	11.97	6.93	53.5	
Q3376-02	PR132-DP01-20251016	19	1.16	10.07	11.23	6.56	53.6	
Q3376-03	PR132-COMP2-20251016	20	1.11	10.13	11.24	6.45	52.7	
Q3376-04	PR132-S12-047072-20251016	21	1.15	10.70	11.85	6.64	51.3	
Q3376-05	PR132-S12-020047-20251016	22	1.13	10.49	11.62	8.14	66.8	
Q3381-01	VNJ-222	23	1.18	10.38	11.56	10.46	89.4	
Q3381-03	VNJ-245	24	1.18	10.64	11.82	9.86	81.6	
Q3381-05	RBR200059	25	1.11	10.71	11.82	10.6	88.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB137576

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
Q3381-07	VNJ-255	26	1.16	10.11	11.27	10.51	92.5	
Q3382-01	CENTRAL-AVE-TP	27	1.14	10.73	11.87	10.25	84.9	
Q3382-02	CENTRAL-AVE-TP-EPH-2	28	1.16	10.81	11.97	9.78	79.7	
Q3383-01	OR-03-101725	29	1.13	10.60	11.73	10.88	92.0	
Q3383-02	OR-03-101725-E2	30	1.14	10.91	12.05	11.07	91.0	
Q3386-01	237	38	1.15	10.68	11.83	11.2	94.1	
Q3386-02	237-E2	39	1.15	10.85	12.00	11.2	92.6	
Q3387-01	BC289050-1-1	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-02	BC289050-1-2	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-03	BC289050-2-1	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-04	BC289050-2-2	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3388-01	461	44	1.00	1.00	2.00	2.00	100.0	soily-debris
Q3389-01	KMH472J-1-1	45	1.00	1.00	2.00	2.00	100.0	PILC
Q3389-02	KMH472J-1-2	46	1.00	1.00	2.00	2.00	100.0	PILC
Q3390-01	4175	47	1.00	1.00	2.00	2.00	100.0	debris
Q3390-03	340	48	1.18	10.76	11.94	10.34	85.1	
Q3390-04	340-E2	49	1.16	10.88	12.04	9.11	73.1	
Q3391-01	RCA	31	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3392-01	MH-20	32	1.18	10.77	11.95	10.9	90.3	
Q3392-02	MH-20-EPH	33	1.16	11.00	12.16	11.07	90.1	
Q3392-03	MH-20-VOC	34	1.18	10.89	12.07	10.69	87.3	
Q3392-05	MH-19	35	1.16	10.50	11.66	10.34	87.4	
Q3392-06	MH-19-EPH	36	1.12	10.87	11.99	10.41	85.5	
Q3392-07	MH-19-VOC	37	1.16	10.50	11.66	10.37	87.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137516

WorkList Name : %1-101725

WorkList ID : 192523

Department : Wet-Chemistry

Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3373-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3374-01	TP-4-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-02	TP-4-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-03	TP-4-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-05	TP-5-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-06	TP-5-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-07	TP-5-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3375-01	PR132-S02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-02	PR132-S04-000013-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-03	PR132-S05-000057-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-04	PR132-S02-010074-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-05	PR132-DP02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-01	PR132-S05-057082-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-02	PR132-DP01-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-03	PR132-COMP2-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-04	PR132-S12-047072-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q3376-PCB

Date/Time 10/17/25 17:35

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

VB 137576

WorkList Name : %1-101725

WorkList ID : 192523

Department : Wet-Chemistry

Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-05	PR132-S12-020047-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3381-01	VNJ-222	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-03	VNJ-245	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-05	RBR200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-07	VNJ-255	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-01	CENTRAL-AVE-TP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3382-02	CENTRAL-AVE-TP-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-01	OR-03-101725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3383-02	OR-03-101725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-01	237	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3386-02	237-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-01	BC289050-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-02	BC289050-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-03	BC289050-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-04	BC289050-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3388-01	461	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-01	KMH472J-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3389-02	KMH472J-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-01	4175	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-03	340	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-04	340-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]
 Q3376-PCB

Date/Time 10/17/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]
 402 of 503

WORKLIST(Hardcopy Internal Chain)

VB 137576

WorkList Name : %1-101725

WorkList ID : 192523

Department : Wet-Chemistry

Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3391-01	RCA	Solid	Percent Solids	Cool 4 deg C	YANN01	D31	09/18/2025	Chemtech -SO
Q3392-01	MH-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-02	MH-20-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-03	MH-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-05	MH-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-06	MH-19-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-07	MH-19-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q3376-PCB

Date/Time 10/17/25 17:35

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Acid Cleanup **Extraction Start Date :** 10/21/2025

Matrix : Solid **Extraction Start Time :** 09:10

Weigh By: EH **Extraction By:** EH **Extraction End Date :** 10/21/2025

Balance check: EH **Filter By:** RS **Extraction End Time :** 12:40

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24930
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	EP2643
Baked Na2SO4	N/A	EP2652
Hexane	N/A	E3978
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 # 03-40BTS721.

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/25 12:45	RS (Ext Lab)	R. K. B. / R. B. C. W.
	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/21/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170178BL	ABLK178	PCB	30.01	N/A	Evelyn	RUPESH	10			U6-1
PB170178BS	ALCS178	PCB	30.03	N/A	Evelyn	RUPESH	10			2
Q3368-06	OUTSIDE-DUMPSTER	PCB	30.03	N/A	Evelyn	RUPESH	10	E		3
Q3368-07	PRESS-SLUDGE	PCB	30.04	N/A	Evelyn	RUPESH	10	E		4
Q3376-01	PR132-S05-057082-2025 1016	PCB	30.08	N/A	Evelyn	RUPESH	10	E		5
Q3376-02	PR132-DP01-20251016	PCB	30.04	N/A	Evelyn	RUPESH	10	E		6
Q3376-03	PR132-COMP2-20251016	PCB	30.02	N/A	Evelyn	RUPESH	10	E		U1-1
Q3376-04	PR132-S12-047072-2025 1016	PCB	30.05	N/A	Evelyn	RUPESH	10	E		2
Q3376-05	PR132-S12-020047-2025 1016	PCB	30.01	N/A	Evelyn	RUPESH	10	E		3
Q3393-01	PR132-S10-000022-2025 1017	PCB	30.06	N/A	Evelyn	RUPESH	10	E		4
Q3393-02	PR132-S10-022047-2025 1017	PCB	30.06	N/A	Evelyn	RUPESH	10	E		5
Q3393-03	PR132-S08-013038-2025 1017	PCB	30.05	N/A	Evelyn	RUPESH	10	E		6
Q3393-04	PR132-S06-000021-2025 1017	PCB	30.08	N/A	Evelyn	RUPESH	10	E		U2-1
Q3393-05	PR132-S08-000013-2025 1017	PCB	30.04	N/A	Evelyn	RUPESH	10	E		2
Q3397-01	TP-7-WC	PCB	30.02	N/A	Evelyn	RUPESH	10	E		3
Q3401-01	41-CONCRETE	PCB	30.03	N/A	Evelyn	RUPESH	10	B	Concrete	4
Q3402-01	41-LA	PCB	30.01	N/A	Evelyn	RUPESH	10	E		5
Q3402-01MS	41-LAMS	PCB	30.07	N/A	Evelyn	RUPESH	10	E		6
Q3402-01MS D	41-LAMSD	PCB	30.06	N/A	Evelyn	RUPESH	10	E		U3-1
Q3402-04	41-RA	PCB	30.09	N/A	Evelyn	RUPESH	10	E		2
Q3402-07	41-LB	PCB	30.02	N/A	Evelyn	RUPESH	10	E		3
Q3402-10	41-RB	PCB	30.03	N/A	Evelyn	RUPESH	10	E		4
Q3403-01	MH-18	PCB	30.01	N/A	Evelyn	RUPESH	10	E		5

* Extracts relinquished on the same date as received.

170178
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3402

WorkList ID : 192572

Department : Extraction

Date : 10-21-2025 08:42:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	PCB	Cool 4 deg C	ARAM01	D41	10/16/2025	8082A
Q3368-07	PRESS-SLUDGE	Solid	PCB	Cool 4 deg C	ARAM01	D41	10/16/2025	8082A
Q3376-01	PR132-S05-057082-20251016	Solid	PCB	Cool 4 deg C	AECO02	D31	10/16/2025	8082A
Q3376-02	PR132-DP01-20251016	Solid	PCB	Cool 4 deg C	AECO02	D31	10/16/2025	8082A
Q3376-03	PR132-COMP2-20251016	Solid	PCB	Cool 4 deg C	AECO02	D31	10/16/2025	8082A
Q3376-04	PR132-S12-047072-20251016	Solid	PCB	Cool 4 deg C	AECO02	D31	10/16/2025	8082A
Q3376-05	PR132-S12-020047-20251016	Solid	PCB	Cool 4 deg C	AECO02	D31	10/16/2025	8082A
Q3393-01	PR132-S10-000022-20251017	Solid	PCB	Cool 4 deg C	AECO02	D31	10/17/2025	8082A
Q3393-02	PR132-S10-022047-20251017	Solid	PCB	Cool 4 deg C	AECO02	D31	10/17/2025	8082A
Q3393-03	PR132-S08-013038-20251017	Solid	PCB	Cool 4 deg C	AECO02	D31	10/17/2025	8082A
Q3393-04	PR132-S06-000021-20251017	Solid	PCB	Cool 4 deg C	AECO02	D31	10/17/2025	8082A
Q3393-05	PR132-S08-000013-20251017	Solid	PCB	Cool 4 deg C	AECO02	D31	10/17/2025	8082A
Q3397-01	TP-7-WC	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/18/2025	8082A
Q3401-01	41-CONCRETE	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/20/2025	8082A
Q3402-01	41-LA	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/20/2025	8082A
Q3402-04	41-RA	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/20/2025	8082A
Q3402-07	41-LB	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/20/2025	8082A
Q3402-10	41-RB	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/20/2025	8082A
Q3403-01	MH-18	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A

Date/Time

10/21/25

9:05

Raw Sample Received by:

RS (Ext-Lab)

Raw Sample Relinquished by:

CP SM

Page 1 of 1

Date/Time

10/21/25

9:40

Raw Sample Received by:

CP SM

Raw Sample Relinquished by:

RS (Ext-Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q3376

Test : PCB

Prepbatch ID : PB170178,

Sequence ID/Qc Batch ID: PQ102125,PQ102425,

Standard ID :

EP2610,EP2643,EP2652,PP24329,PP24330,PP24381,PP24663,PP24805,PP24806,PP24807,PP24808,PP24809,PP24810,PP24811,PP24812,PP24814,PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862,PP24930,

Chemical ID :

E3804,E3875,E3944,E3951,E3962,E3963,E3971,E3972,E3978,M6157,P11522,P11592,P12700,P12703,P12952,P12953,P12957,P13356,P13373,P13375,P13590,P13592,P13695,P13697,P13706,P13786,P13789,P13833,P13879,P13881,P13885,W3112,W3177,W3234,

Extractions 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>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

<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	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel 09/16/2025

FROM 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

Extractions 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>
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025

FROM 4000.00000gram of E3875 = 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

FROM 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>
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>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

<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	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13789 + 9.00000ml of E3962 = 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>
213	AR1221 1000 PPB WORKING SOLUTION	PP24806	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13375 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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>
214	AR1232 1000 PPB WORKING SOLUTION	PP24807	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13879 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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>
215	AR1242 1000 PPB WORKING STD	PP24808	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13706 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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>
216	AR1248 1000 PPB WORKING STD	PP24809	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13695 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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>
217	AR1254 1000 PPB WORKING STD	PP24810	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P11592 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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>
1529	AR1262 1000 PPB Working Solution	PP24811	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13881 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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>
1532	AR1268 1000 PPB Working Solution	PP24812	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13885 + 99.40000ml of E3962 + 0.50000ml of PP24805 = 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>
404	AR1660 100 PPM Stock Solution 2nd Source	PP24814	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P12952 + 9.00000ml of E3804 = 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>
405	AR1660 1000/100 PPB ICV STD	PP24815	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 98.50000ml of E3962 + 0.50000ml of PP24805 + 1.00000ml of PP24814 = 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>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24816	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13373 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24817	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P12700 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24818	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P13590 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24819	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P13592 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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>
2193	AR1254 100 PPM STOCK SOLUTION	PP24820	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P13833 + 9.00000ml of E3963 = 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>
3757	AR1262 1000 PPB Working Solution second source	PP24821	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P12703 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24822	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P11522 + 98.50000ml of E3962 + 0.50000ml of PP24805 = 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>
203	AR1660 750 PPB STD	PP24823	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml 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>
204	AR1660 500 PPB STD	PP24824	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml 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>
205	AR1660 250 PPB STD	PP24825	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml 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>
206	AR1660 50 PPB STD	PP24826	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24824 = 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>
1079	AR1221 750 PPB STD	PP24827	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
08/19/2025								

FROM 0.25000ml of W3234 + 0.75000ml of PP24806 = 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	PP24828	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
08/19/2025								

FROM 0.50000ml of W3234 + 0.50000ml of PP24806 = 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	PP24829	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24806 = 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	PP24830	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24828 = 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>
1063	AR1232 750 PPB STD	PP24831	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24807 = 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>
223	AR1232 500 PPB STD	PP24832	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24807 = 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>
1064	AR1232 250 PPB STD	PP24833	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24807 = 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>
1065	AR1232 50 PPB STD	PP24834	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24832 = 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>
1067	AR1242 750 PPB STD	PP24835	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24808 = 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	PP24836	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24808 = 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	PP24837	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24808 = 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	PP24838	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24836 = 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>
1075	AR1248 750 PPB STD	PP24839	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24809 = 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>
225	AR1248 500 PPB STD	PP24840	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24809 = 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>
1076	AR1248 250 PPB STD	PP24841	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24809 = 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>
1077	AR1248 50 PPB STD	PP24842	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24840 = 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>
1071	AR1254 750 PPB STD	PP24843	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
08/19/2025								

FROM 0.25000ml of W3234 + 0.75000ml of PP24810 = 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	PP24844	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
08/19/2025								

FROM 0.50000ml of W3234 + 0.50000ml of PP24810 = 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	PP24845	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24810 = 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	PP24846	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24844 = 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>
3753	AR1262 750 PPB STD	PP24847	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
08/19/2025								

FROM 0.25000ml of W3234 + 0.75000ml of PP24811 = 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>
1530	AR1262 500 PPB STD	PP24848	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
08/19/2025								

FROM 0.50000ml of W3234 + 0.50000ml of PP24811 = 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>
3754	AR1262 250 PPB STD	PP24849	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24811 = 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>
3755	AR1262 50 PPB STD	PP24850	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24848 = 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>
3820	AR1268 750 PPB STD	PP24851	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24812 = 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	PP24852	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24812 = 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	PP24853	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24812 = 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	PP24854	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24852 = 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>
406	AR1660 500 PPB ICV	PP24855	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24815 = 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>
3790	AR1221 500 PPB ICV(AGILENT)	PP24856	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24816 = 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>
1888	AR1232 500 PPB ICV	PP24857	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24817 = 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>
1891	AR1242 500 PPB ICV	PP24858	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24818 = 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>
1892	AR1248 500 PPB ICV	PP24859	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24819 = 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>
1894	AR1254 500 PPB ICV	PP24860	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24381 = 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>
3758	AR1262 500 PPB STD ICV	PP24861	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24821 = 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>
3823	AR1268 500 PPB STD ICV	PP24862	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24822 = 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>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24930	09/18/2025	03/18/2026	Abdul Mirza	None	None	Yogesh Patel
FROM 0.50000ml of P12953 + 99.50000ml of E3972 = Final Quantity: 100.000 ml								

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

CHEMICAL RECEIPT LOG BOOK

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	02/18/2026	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 #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	02/15/2026	08/15/2025 / RUPESH	08/07/2025 / RUPESH	E3963

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

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	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

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 #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	02/18/2026	08/18/2025 / yogesh	03/18/2022 / Abdul	P11592

CHEMICAL RECEIPT LOG BOOK

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	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12700

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	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12703

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	02/18/2026	08/18/2025 / yogesh	12/20/2023 / Yogesh	P12952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	03/18/2026	09/18/2025 / Abdul	12/20/2023 / Yogesh	P12953

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

CHEMICAL RECEIPT LOG BOOK

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	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0207511	02/18/2026	08/18/2025 / yogesh	05/03/2024 / Abdul	P13375

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13592

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	A0214733	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13695

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	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	A0210232	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13706

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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	02/18/2026	08/18/2025 / yogesh	11/19/2024 / Ankita	P13789

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	02/18/2026	08/18/2025 / yogesh	12/09/2024 / Ankita	P13833

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	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13879

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	A0217041	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13881

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0217264	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13885

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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	07/28/2025 / jignesh	07/25/2025 / jignesh	W3234

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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

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.

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 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

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone.
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 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 %	<0.1 %
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

Received on 8/6/25

E 3963

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

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

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 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

E3971

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



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

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantorsTM**



Material No.: 9262-03
Batch No.: 25C0362006
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	4
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	0.2 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

E 3978



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

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 +1.610.386.1705

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



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.

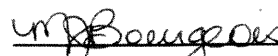
Expiration of Certification:

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 REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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.:** A0175403

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284 µg/mL Unstressed
	Purity ----%		+/- 41.4406 µg/mL Stressed

Solvent: Hexane

CAS # 110-54-3

Purity 99%

P11588
↓
P11592 / (S)

AR
04/30/2022

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:

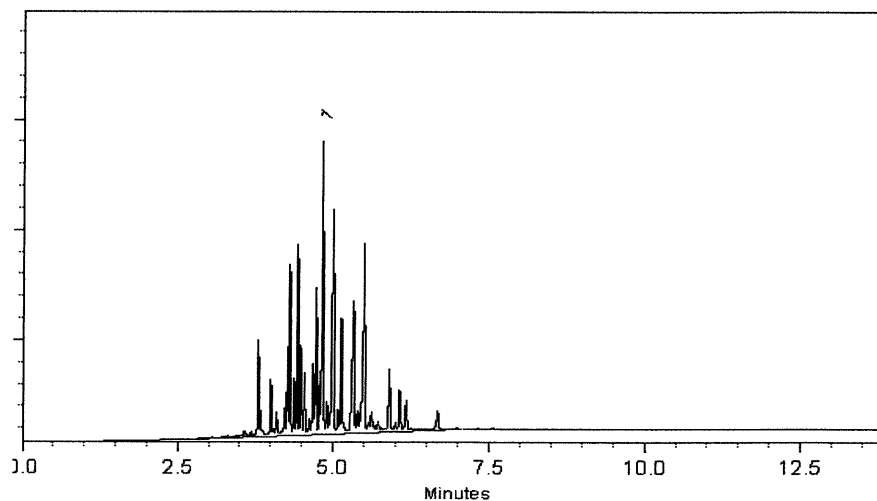
250°C

Det. Temp:

300°C

Det. Type:

ECD



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.

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11588
↓
P11592

AR
04/30/22



CERTIFIED WEIGHT REPORT

Part Number: 91867
Lot Number: 020823
Description: WP 037 - Aroclor 1232
PCB Technical Mixture
Expiration Date: 020833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

Solvent/
Acet

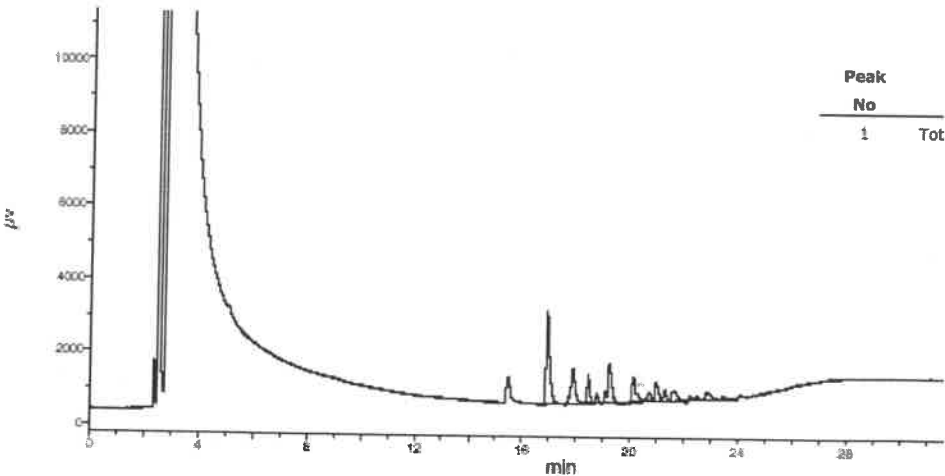
Weight(s) shown below were combined and diluted to (mL): 100.0
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurements", 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



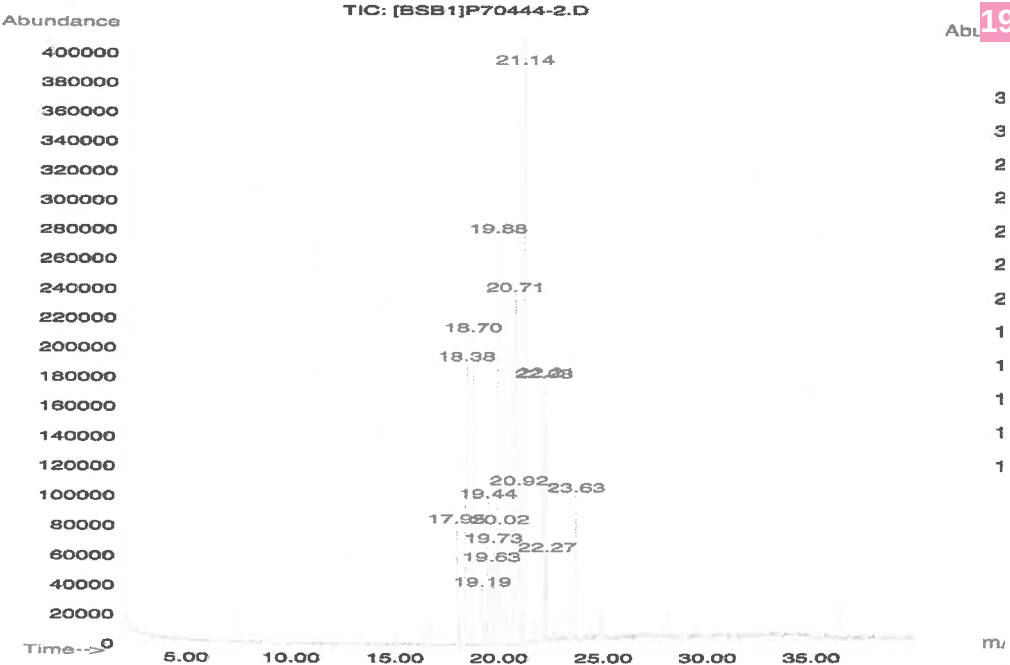


CERTIFIED WEIGHT REPORT

Part Number: X9166 Solvent(s):
Lot Number: 060523 Methanol
Description: Aroclor 1262
Appendix IX Compound
Expiration Date: 060533
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)
1. Aroclor 1262	70444	080322	0.10	2.00	0.017

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.



- The certified value is the concentration calculated from gravimetric and volumetric measurements.
- Standards are prepared gravimetrically using balances that are calibrated with weights.
- 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 conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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

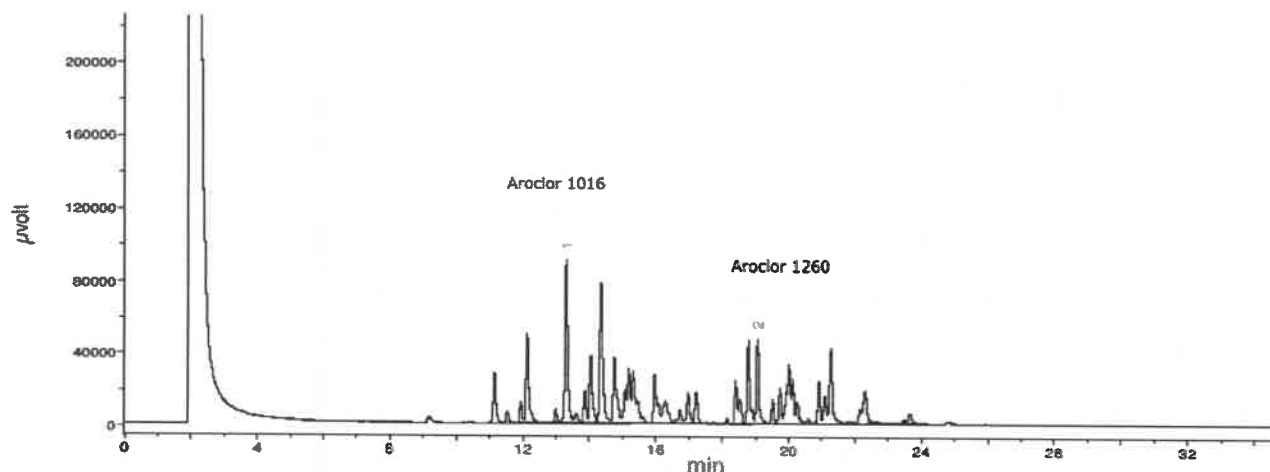
P12946
↓
P12955
748
12/20

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

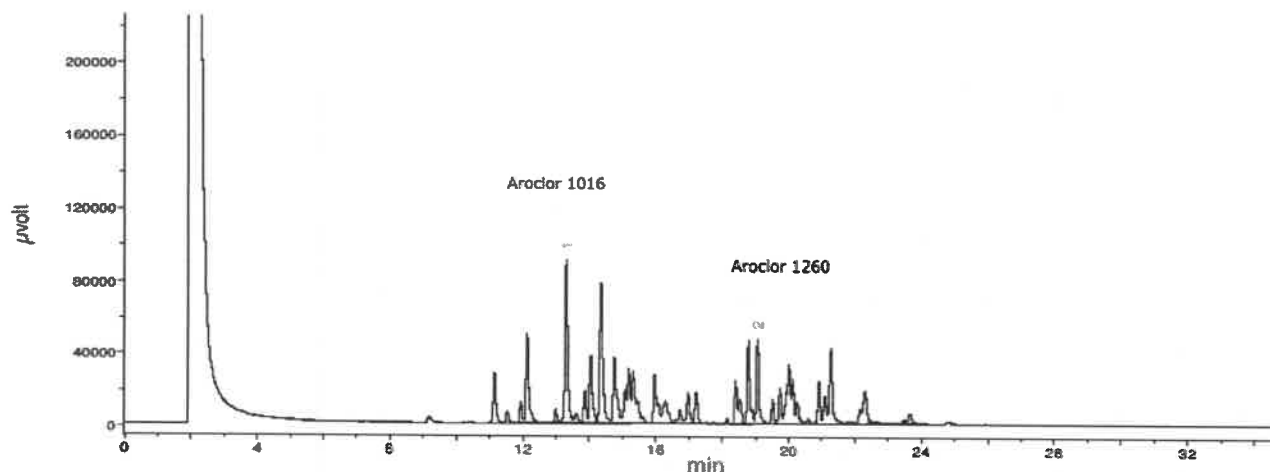
P12946
↓
P12955
748
12/20

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

Formulated By: <i>Anthony Mahoney</i>		121823
		DATE
Reviewed By: <i>Pedro L. Rentas</i>		121823
		DATE

P12956 } Y-P
 12/20/23
 P12957 }

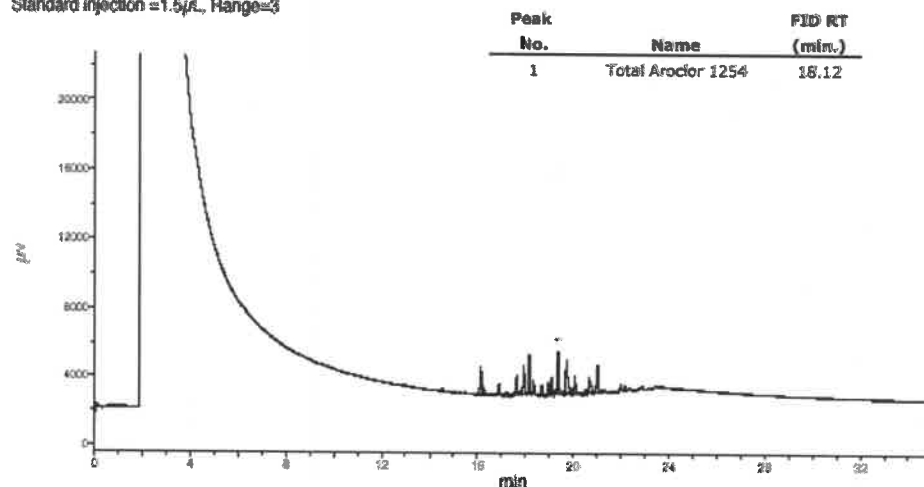
Expiration Date: 121833
 Recommended Storage: Ambient (20 °C)
 Nominal Concentration (µg/mL): 100
 NIST Test ID#: 6UTB
 Volume(s) shown below were combined and diluted to (mL): 20.0
 Note: Aroclor 1254 is a mix of isomers.

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
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. : 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
↓
P13357
10
DAUF
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:

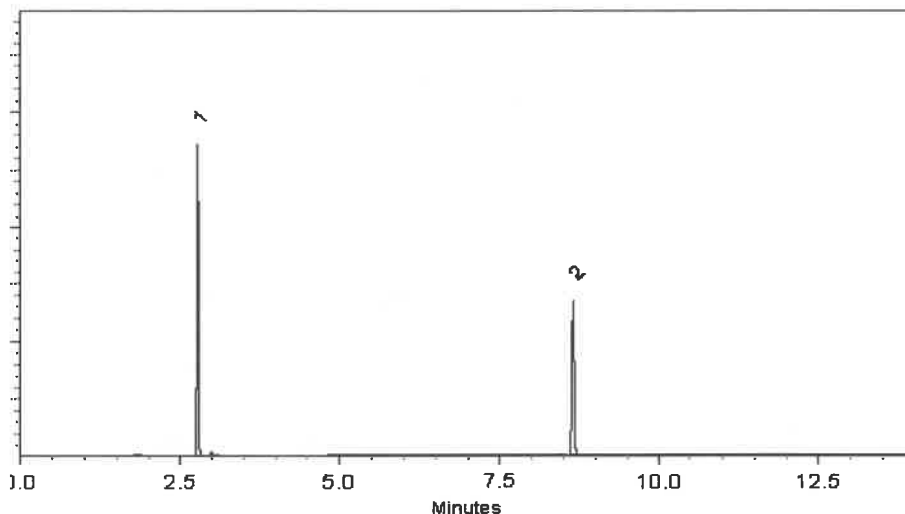
ECD

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
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
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

P 13348
↓
P 13357
10

SAUF
04/25/2025



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.:** A0207511

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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 1221	11104-28-2	13192500	----%	1,002.7 µg/mL	+/- 55.6424

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13374
↓
P 13375
/

[Signature]
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:

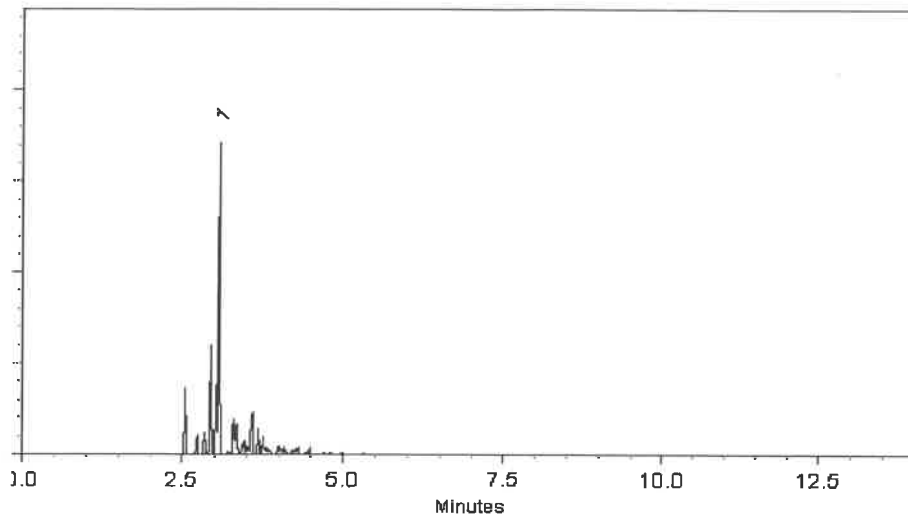
ECD

Split Vent:

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: 06-Feb-2024

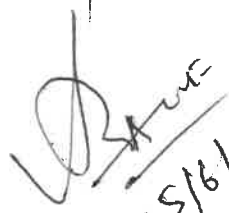
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

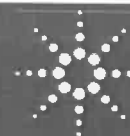
Date Passed: 08-Feb-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13374 } ②
↓
P 13375 }


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
↓
P13590AJ
10/14/24

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



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
↓
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

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.:** A0214733

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/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

P13695 } Y.P.
P13696 } 10/17/24

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	15242800	----%	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:

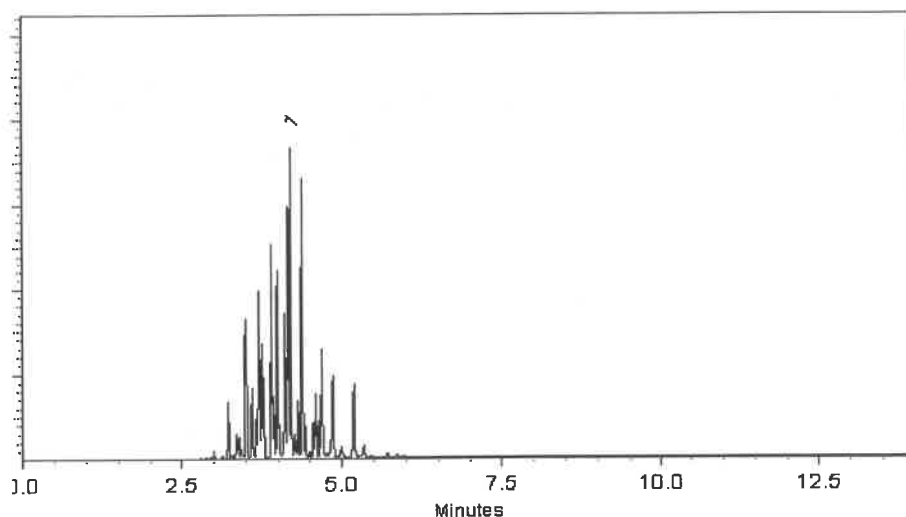
ECD

Split Vent:

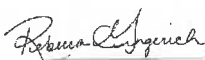
10 ml/min.

Inj. Vol

0.2µl

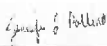


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Rebecca Gingerich - Operations Tech II

Date Mixed: 02-Aug-2024

Balance Serial # C322230531


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-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

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. : 32039 **Lot No.:** A0210629

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13697
↓
P13701 } Y.P.
10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

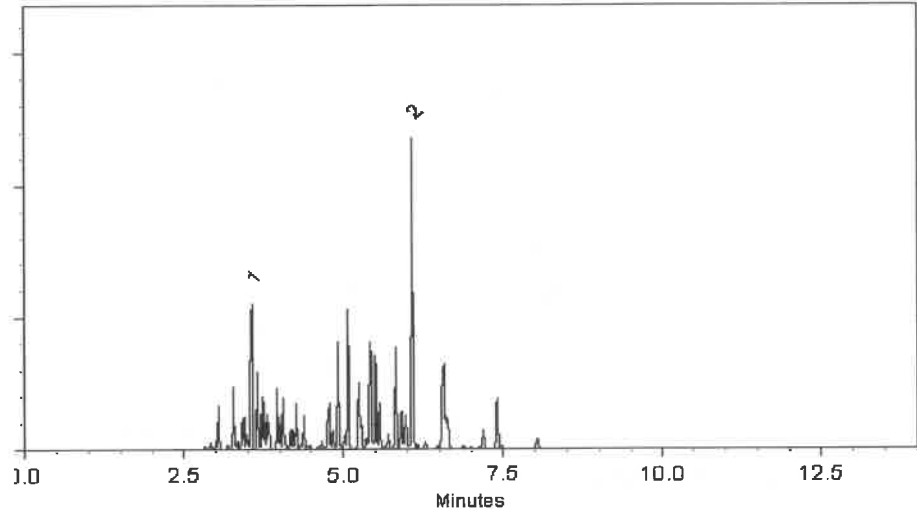
ECD

Split Vent:

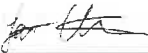
10 ml/min.

Inj. Vol

0.2µl

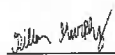


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B442140311


Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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. : 32009 **Lot No.:** A0210232

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 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

P13706 } y.p.
P13707 } 10/17/24

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	----%	1,000.7 µg/mL	+/- 55.5295

* 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:

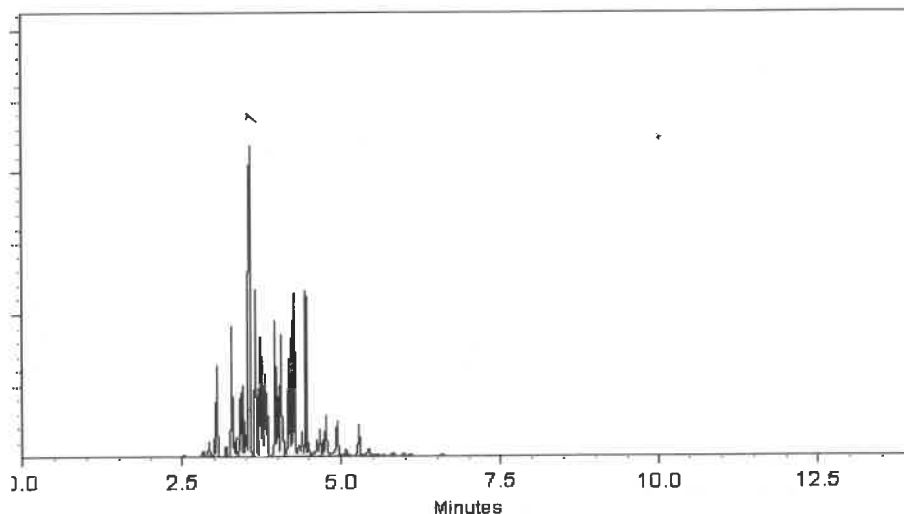
ECD

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.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 17-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. : 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:

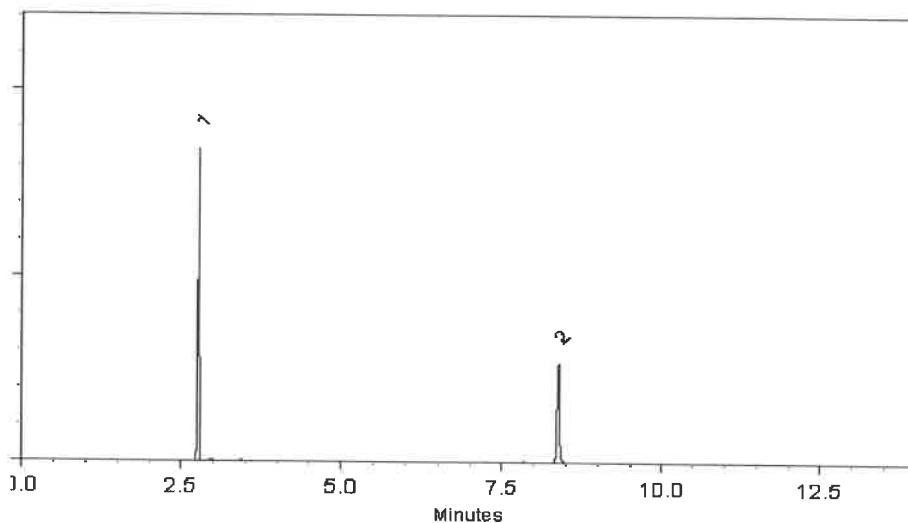
ECD

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



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. : 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:

heliu-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:

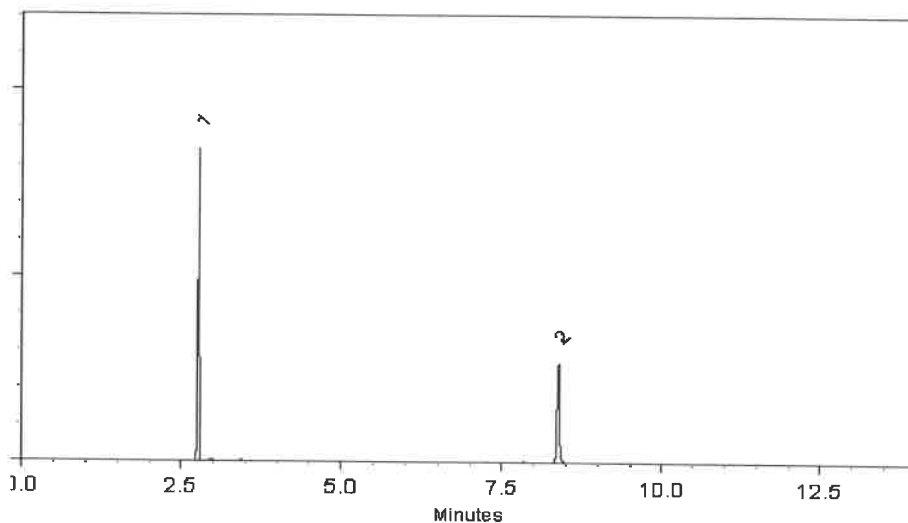
ECD

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



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. : 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
↓
P13834
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.)

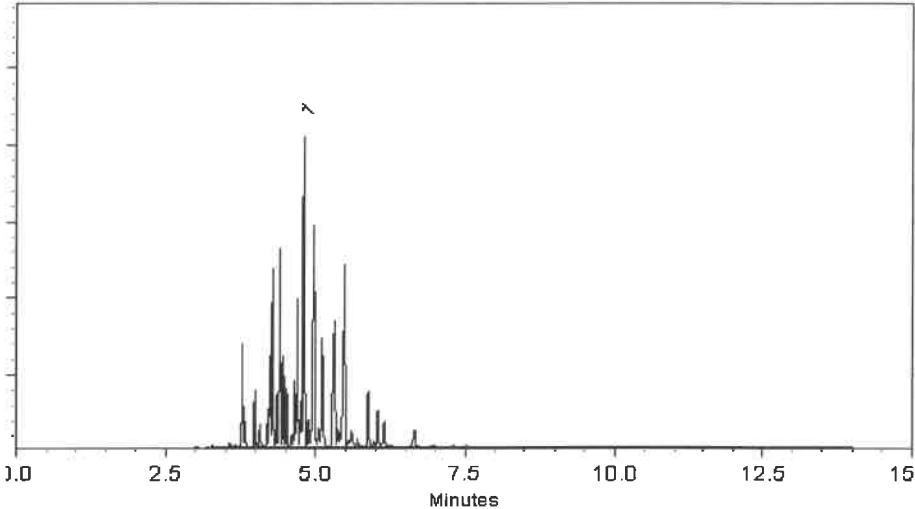
Inj. Temp:
250°C

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

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Mixed: 02-Oct-2024 **Balance Serial #** C322230531

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

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. : 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:

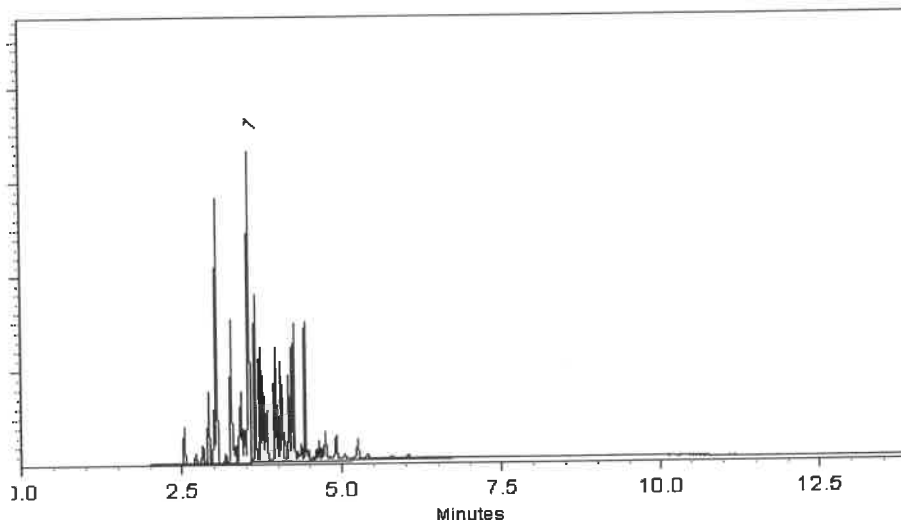
ECD

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

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. : 32409 **Lot No.:** A0217041

Description : Aroclor® 1262 Standard
Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 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 1262	37324-23-5	10849100	----%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13881
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:

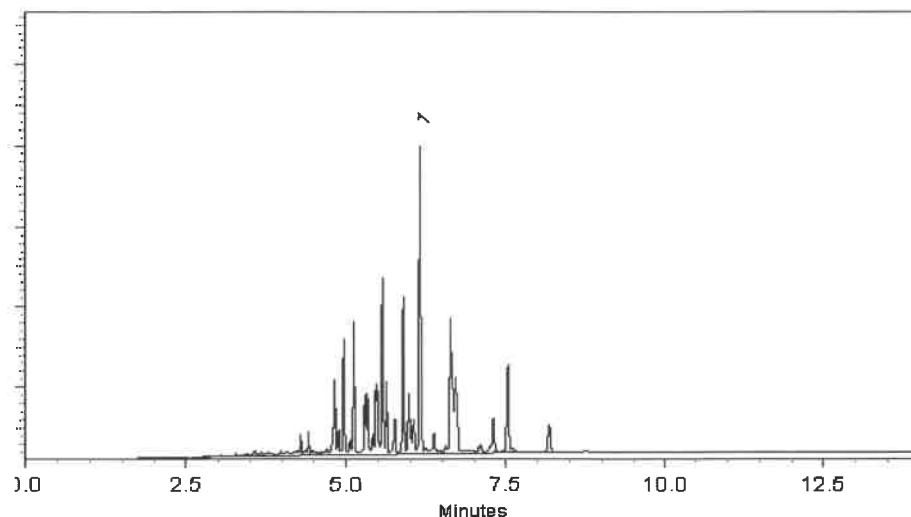
ECD

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.

Rebecca Gingerich - Operations Tech II

Date Mixed: 25-Sep-2024

Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Sep-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

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.:** A0217264

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

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 1268	11100-14-4	12353400	----%	1,009.8 µg/mL	+/- 56.0364

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13884
↓
P13886

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.)

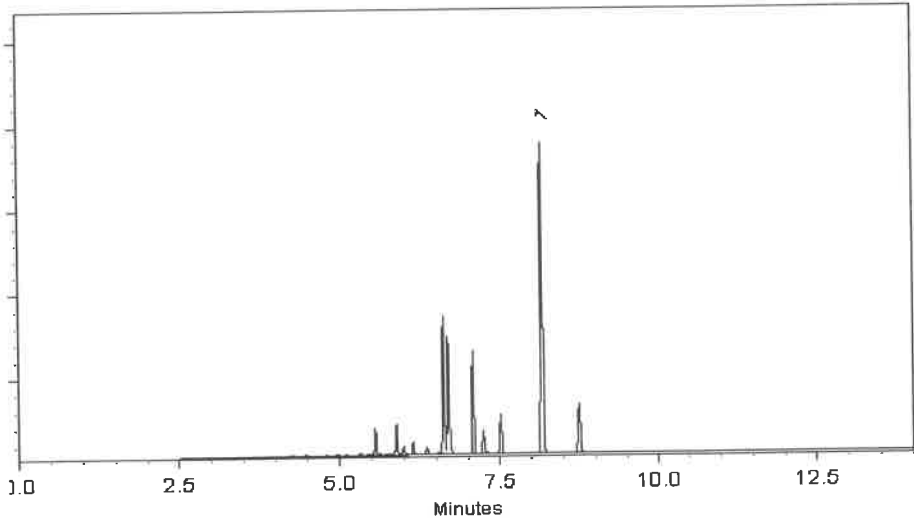
Inj. Temp:
250°C

Det. Temp:
300°C

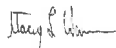
Det. Type:
ECD

Split Vent:
Split ratio 500:1

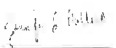
Inj. Vol
0.2µl



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.


Stacey Wanner - Operations Technician I

Date Mixed: 01-Oct-2024 **Balance Serial #** 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

W3147
W3147
02/03/2023
JP

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

J. Croak

Jamie Croak
Director Quality Operations, Bioscience

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

W3234 88
OP4421 07/28/2025

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)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	>= 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)	<= 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

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



SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY: New York STATE: NY ZIP: 10138
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (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 _____

SVOCs
Pesticides-TCL
Micro-Metals
DBP-2/Hexachlor
Dioxin
Gram Size
TAC
VOCs

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										Math	9	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8				
1.	PR132-S05-057082-20251016	S		X	10/16	1035	11	X	X	X	X	X	X	X	X				
2.	PR132-DP01-20251016	S		X	10/16	1050	11	X	X	X	X	X	X	X	X				
3.	PR132-COMP2-20251016	S	X		10/16	1250	11	X	X	X	X	X	X	X	X				
4.	PR132-S12-047072-20251016	S		X	10/16	1325	11	X	X	X	X	X	X	X	X				
5.	PR132-S12-020047-20251016	S		X	10/16	1315	11	X	X	X	X	X	X	X	X				
6.	PR132-FB01-20251016	A			10/16	1355	1	X	X	X	X	X			X				
7.	Temp Blank	A													X				
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 1650 10/16/25	RECEIVED BY: 1. [Signature] 10-16-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1805 10-16-25	RECEIVED BY: 3. [Signature]	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3376	AECO02	Order Date : 10/17/2025 10:34:00 AM	Project Mgr : Yazmeen
Client Name : AECOM		Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP B
Client Contact : Rob Forstner		Receive DateTime : 10/16/2025 6:15:00 PM	EDD Type : EQUIS
Invoice Name : AECOM		Purchase Order :	Hard Copy Date :
Invoice Contact : Rob Forstner			Date Signoff : 10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3376-01	PR132-S05-057082-20251016	Solid	10/16/2025	10:35	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3376-02	PR132-DP01-20251016	Solid	10/16/2025	10:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3376-03	PR132-COMP2-20251016	Solid	10/16/2025	12:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3376-04	PR132-S12-047072-20251016	Solid	10/16/2025	13:25	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3376-05	PR132-S12-020047-20251016	Solid	10/16/2025	13:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3376-07	PR132-FB01-20251016	Water	10/16/2025	13:55	VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3376	AECO02	Order Date : 10/17/2025 10:34:00 AM	Project Mgr : Yazmeen
Client Name : AECOM		Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP A
Client Contact : Rob Forstner		Receive DateTime : 10/16/2025 6:15:00 PM	EDD Type : EQUIS
Invoice Name : AECOM		Purchase Order :	Hard Copy Date :
Invoice Contact : Rob Forstner			Date Signoff : 10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
--------	-----------	--------	-------------	-------------	------	------------	--------	----------	-----------

Relinquished By :

Date / Time : 10/17/25 14:10

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room