

DATA PACKAGE
GC SEMI-VOLATILES

PROJECT NAME : NWIRP NORTHRUP GRUMMAN SITE – BETHPAGE, NY

ICE SERVICE GROUP, INC.
191 Central Avenue Suite 200C

Newark, NJ - 07103
Phone No: 4129165710

ORDER ID : Q3399
ATTENTION : Dennis D. Morgan, II



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3399

Project ID : NWIRP Northrup Grumman Site – Bethpage, NY

Client : ICE Service Group, Inc.

Lab Sample Number

Q3399-01
Q3399-02
Q3399-03
Q3399-04

Client Sample Number

COMP-ROLLOFF
COMP-ROLLOFF
COMP-ROLLOFF
COMP-ROLLOFF

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: 12/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ICE Service Group, Inc.

Project Name: NWIRP Northrup Grumman Site – Bethpage, NY

Project # N/A

Order ID # Q3399

Test Name: PCB

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/20/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID PP075960.D met the requirements except for Aroclor-1016(Peak-02) is failing in 2nd column but passing in 1st column therefore no corrective action taken.

E. Additional Comments:

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

F. Manual Integration Comments:



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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3399

MATRIX: Solid

METHOD: 8082A/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
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:			✓
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.



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3399

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/17/2025

LAB CHRONICLE

OrderID:	Q3399	OrderDate:	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-01	COMP-ROLLOFF	SOIL			10/20/25			10/20/25
			Diesel Range Organics	8015D		10/22/25	10/22/25	
			Gasoline Range Organics	8015D			10/21/25	
			Herbicide	8151A		10/22/25	10/23/25	
			PCB	8082A		10/22/25	10/22/25	
			Pesticide-TCL	8081B		10/22/25	10/22/25	
Q3399-02	COMP-ROLLOFF	TCLP			10/20/25			10/20/25
			TCLP Herbicide	8151A		10/22/25	10/23/25	
			TCLP Pesticide	8081B		10/22/25	10/22/25	

Hit Summary Sheet
SW-846

SDG No.: Q3399

Order ID: Q3399

Client: ICE Service Group, Inc.

Project ID: NWIRP Northrup Grumman Site – Be

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

Total Concentration: 0.000



QC SUMMARY

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Surrogate Summary

SDG No.: **Q3399**

Client: **ICE Service Group, Inc.**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PP075887.D	PIBLK-PP075887.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140
		Decachlorobiphen	1	20	20.4	102		60	140
		Tetrachloro-m-xyl	2	20	18.8	94		60	140
		Decachlorobiphen	2	20	19.3	96		60	140
I.BLK-PP075940.D	PIBLK-PP075940.D	Tetrachloro-m-xyl	1	20	19.8	99		60	140
		Decachlorobiphen	1	20	20.6	103		60	140
		Tetrachloro-m-xyl	2	20	17.2	86		60	140
		Decachlorobiphen	2	20	18.6	93		60	140
Q3399-01	COMP-ROLLOFF	Tetrachloro-m-xyl	1	20	22.4	112		44	130
		Decachlorobiphen	1	20	18.0	90		60	125
		Tetrachloro-m-xyl	2	20	22.5	113		44	130
		Decachlorobiphen	2	20	16.3	81		60	125
I.BLK-PP075954.D	PIBLK-PP075954.D	Tetrachloro-m-xyl	1	20	19.3	96		60	140
		Decachlorobiphen	1	20	21.3	107		60	140
		Tetrachloro-m-xyl	2	20	17.3	87		60	140
		Decachlorobiphen	2	20	19.5	98		60	140
PB170204BL	PB170204BL	Tetrachloro-m-xyl	1	20	23.3	116		44	130
		Decachlorobiphen	1	20	24.9	125		60	125
		Tetrachloro-m-xyl	2	20	21.1	105		44	130
		Decachlorobiphen	2	20	23.0	115		60	125
PB170204BS	PB170204BS	Tetrachloro-m-xyl	1	20	24.0	120		44	130
		Decachlorobiphen	1	20	24.8	124		60	125
		Tetrachloro-m-xyl	2	20	21.8	109		44	130
		Decachlorobiphen	2	20	23.1	116		60	125
Q3416-01MS	NB-08-10212025MS	Tetrachloro-m-xyl	1	20	20.2	101		44	130
		Decachlorobiphen	1	20	24.1	120		60	125
		Tetrachloro-m-xyl	2	20	22.9	115		44	130
		Decachlorobiphen	2	20	18.1	91		60	125
Q3416-01MSD	NB-08-10212025MSD	Tetrachloro-m-xyl	1	20	19.6	98		44	130
		Decachlorobiphen	1	20	22.6	113		60	125
		Tetrachloro-m-xyl	2	20	21.3	106		44	130
		Decachlorobiphen	2	20	16.7	84		60	125
I.BLK-PP075964.D	PIBLK-PP075964.D	Tetrachloro-m-xyl	1	20	19.5	97		60	140
		Decachlorobiphen	1	20	20.8	104		60	140
		Tetrachloro-m-xyl	2	20	17.9	90		60	140
		Decachlorobiphen	2	20	16.6	83		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>8082A</u>
Client:	<u>ICE Service Group, Inc.</u>	DataFile :	<u>PP075958.D</u>

	Parameter	Spike	Sample		Result	Units	Rec	Rec	RPD		Limits		RPD
			Qual	RPD				Qual	Low	High			
Lab Sample ID:	Q3416-01MS (Column 1)	Client Sample ID:	NB-08-10212025MS										
	AR1016	177.2	0	141	ug/kg	80				47		134	
	AR1260	177.2	0	151	ug/kg	85				53		140	
Lab Sample ID:	Q3416-01MS (Column 2)	Client Sample ID:	NB-08-10212025MS										
	AR1016	177.2	0	139	ug/kg	78				47		134	
	AR1260	177.2	0	121	ug/kg	68				53		140	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>8082A</u>
Client:	<u>ICE Service Group, Inc.</u>	DataFile :	<u>PP075959.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3416-01MSD	Client Sample ID:		NB-08-10212025MSD							
(Column 1)											
AR1016	177.3	0	137	ug/kg	77		4		47	134	20
AR1260	177.3	0	143	ug/kg	81		5		53	140	20
Lab Sample ID:	Q3416-01MSD	Client Sample ID:		NB-08-10212025MSD							
(Column 2)											
AR1016	177.3	0	132	ug/kg	74		5		47	134	20
AR1260	177.3	0	117	ug/kg	66		3		53	140	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>8082A</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>PP075956.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170204BS (Column 1)	AR1016	166.6	185	ug/kg	111				47	134	
	AR1260	166.6	193	ug/kg	116				53	140	
PB170204BS (Column 2)	AR1016	166.6	176	ug/kg	106				47	134	
	AR1260	166.6	203	ug/kg	122				53	140	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170204BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab Sample ID: PB170204BL

Lab File ID: PP075955.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/22/2025

Date Analyzed (1): 10/22/2025

Date Analyzed (2): 10/22/2025

Time Analyzed (1): 21:26

Time Analyzed (2): 21:26

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
COMP-ROLLOFF	Q3399-01	PP075949.D	10/22/2025	10/22/2025
PB170204BS	PB170204BS	PP075956.D	10/22/2025	10/22/2025
NB-08-10212025MS	Q3416-01MS	PP075958.D	10/22/2025	10/22/2025
NB-08-10212025MSD	Q3416-01MSD	PP075959.D	10/22/2025	10/22/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/20/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/20/25	
Client Sample ID: COMP-ROLLOFF	SDG No.: Q3399	
Lab Sample ID: Q3399-01	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 89.9	
Sample Wt/Vol: 30.06 g	Test: PCB	Final Vol: 10000 uL
Prep Method: SW3541	Prep Date: 10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	9.20	U	1	4.40	9.20	18.9	ug/kg	10/22/25 18:27	PB170204
11104-28-2	Aroclor-1221	14.4	U	1	4.50	14.4	18.9	ug/kg	10/22/25 18:27	PB170204
11141-16-5	Aroclor-1232	9.20	U	1	4.10	9.20	18.9	ug/kg	10/22/25 18:27	PB170204
53469-21-9	Aroclor-1242	9.20	U	1	4.50	9.20	18.9	ug/kg	10/22/25 18:27	PB170204
12672-29-6	Aroclor-1248	14.4	U	1	6.60	14.4	18.9	ug/kg	10/22/25 18:27	PB170204
11097-69-1	Aroclor-1254	9.20	U	1	3.60	9.20	18.9	ug/kg	10/22/25 18:27	PB170204
37324-23-5	Aroclor-1262	14.4	U	1	5.60	14.4	18.9	ug/kg	10/22/25 18:27	PB170204
11100-14-4	Aroclor-1268	9.20	U	1	4.00	9.20	18.9	ug/kg	10/22/25 18:27	PB170204
11096-82-5	Aroclor-1260	9.20	U	1	3.60	9.20	18.9	ug/kg	10/22/25 18:27	PB170204
SURROGATES										
877-09-8	Tetrachloro-m-xylene	22.5			44 - 130		113%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.0			60 - 125		90%	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

Q3399-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_P\Data\PP102225\
Data File : PP075949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 18:27
Operator : YP\AJ
Sample : Q3399-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
COMP-ROLLOFF

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:36:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.647	3.784	32064310	149.0E6	22.437	22.506
2) SA Decachlor...	10.425	8.785	19364317	133.9E6	17.988	16.288

Target Compounds

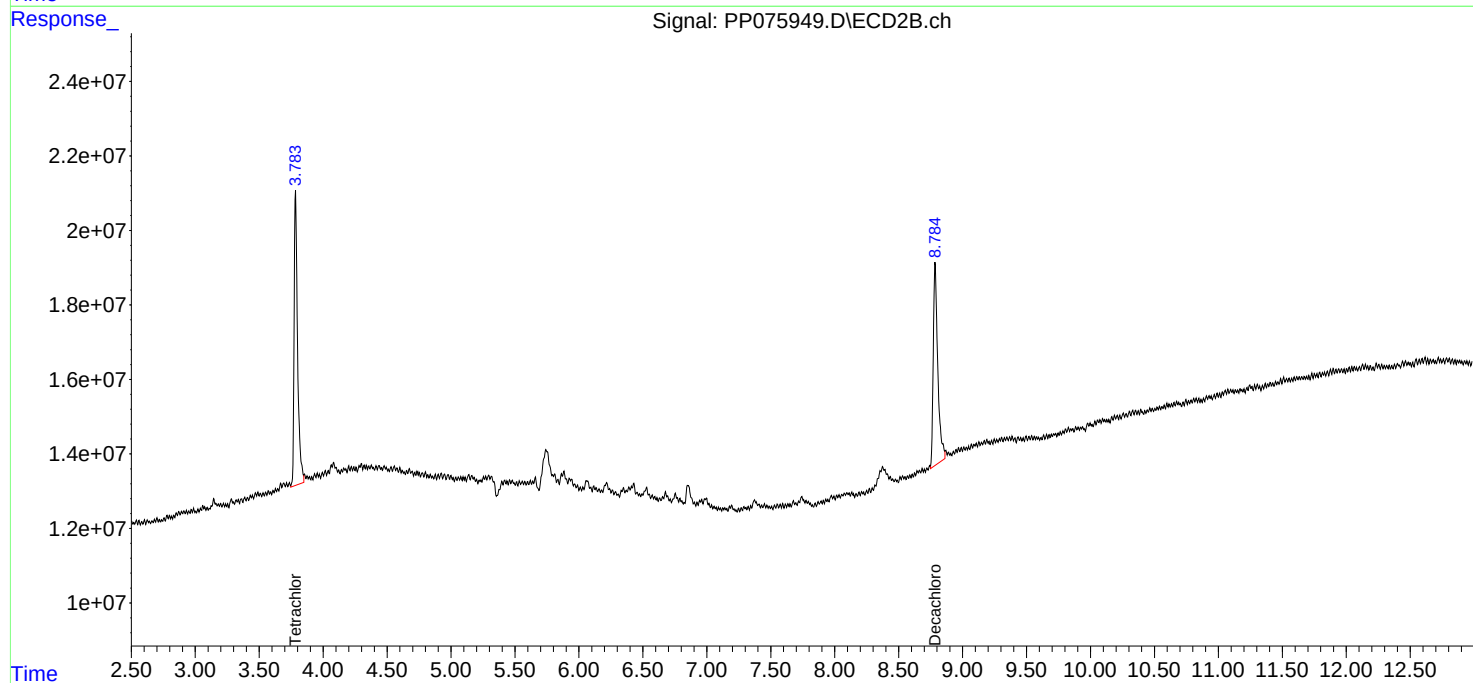
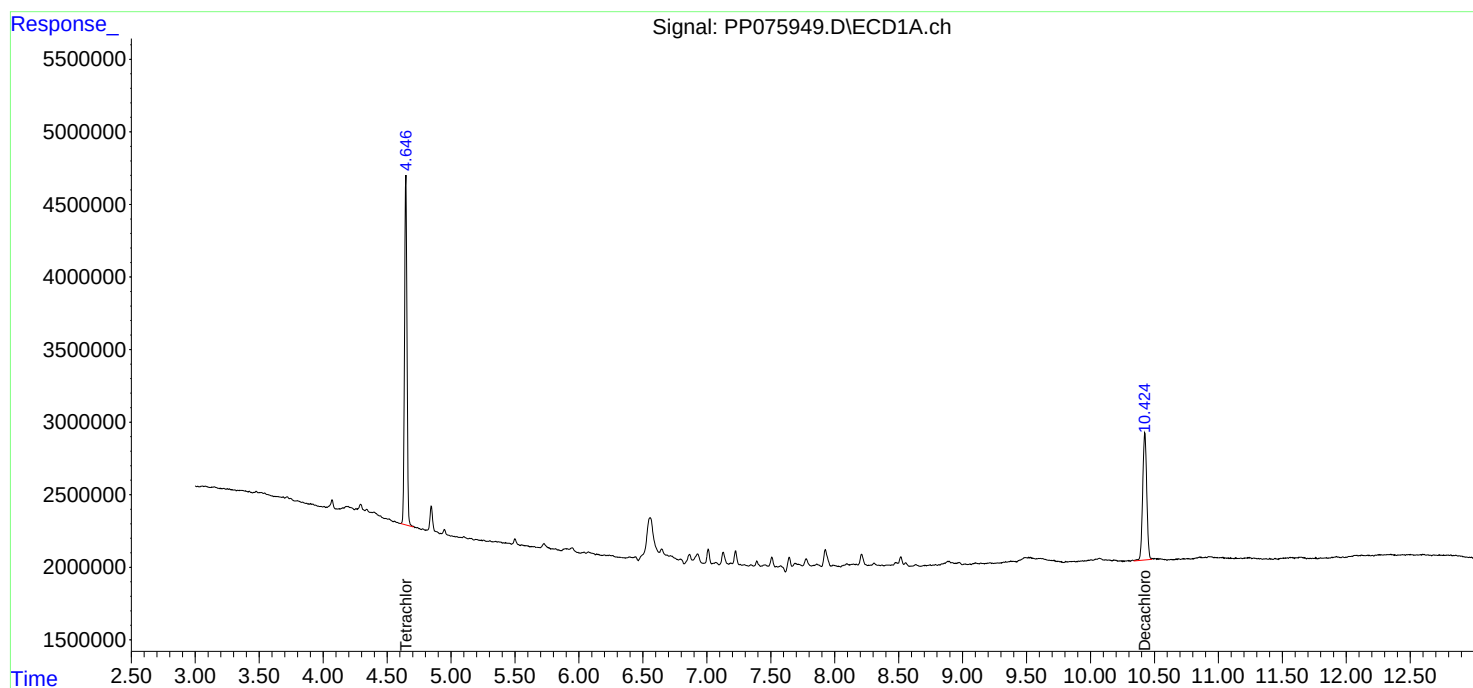
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 18:27
Operator : YP\AJ
Sample : Q3399-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

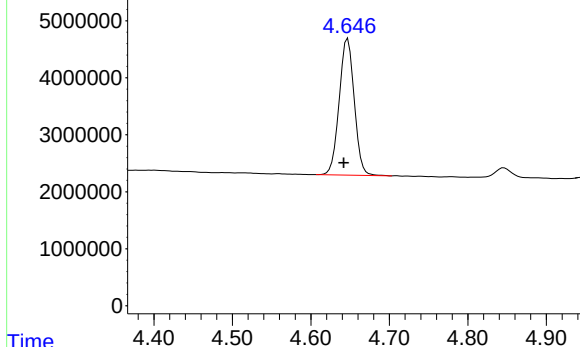
Instrument :
ECD_P
ClientSampleId :
COMP-ROLLOFF

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:36:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PP075949.D\ECD1A.ch

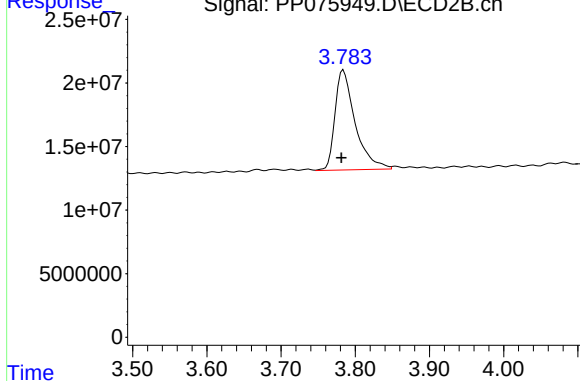


#1 Tetrachloro-m-xylene

R.T.: 4.647 min
Delta R.T.: 0.005 min
Response: 32064310
Conc: 22.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
COMP-ROLLOFF

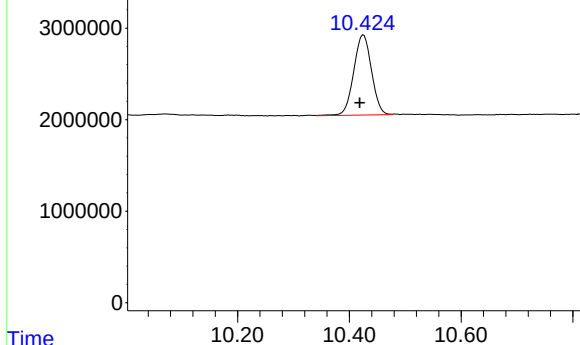
Time Response_ Signal: PP075949.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.003 min
Response: 148952411
Conc: 22.51 ng/ml

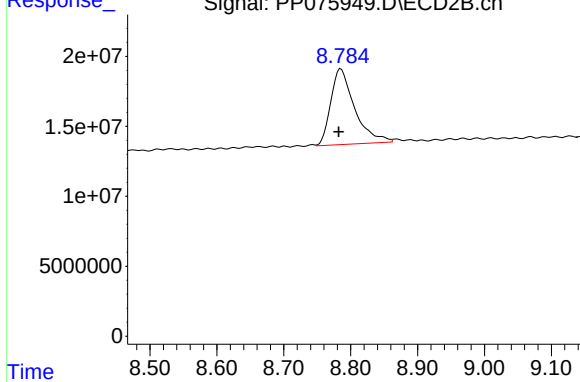
Response_ Signal: PP075949.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.425 min
Delta R.T.: 0.006 min
Response: 19364317
Conc: 17.99 ng/ml

Time Response_ Signal: PP075949.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.003 min
Response: 133937699
Conc: 16.29 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3399</u>
Instrument ID:	<u>ECD_P</u>	Calibration Date(s):	<u>10/21/2025</u> <u>10/21/2025</u>
		Calibration Times:	<u>09:06</u> <u>17:01</u>

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

LAB FILE ID:	RT 1000 = <u>PP075888.D</u>	RT 750 = <u>PP075889.D</u>
RT 500 = <u>PP075890.D</u>	RT 250 = <u>PP075891.D</u>	RT 050 = <u>PP075892.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1016-2	(2)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1016-3	(3)	5.88	5.88	5.88	5.88	5.88	5.88	5.78	5.98
Aroclor-1016-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1016-5	(5)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1260-1	(1)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1260-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1260-3	(3)	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
Aroclor-1260-4	(4)	8.23	8.23	8.23	8.23	8.23	8.23	8.13	8.33
Aroclor-1260-5	(5)	8.56	8.55	8.55	8.55	8.56	8.55	8.45	8.65
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.64	4.65	4.65	4.64	4.54	4.74
Aroclor-1242-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1242-2	(2)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1242-3	(3)	5.88	5.88	5.88	5.88	5.88	5.88	5.78	5.98
Aroclor-1242-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1242-5	(5)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1248-1	(1)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1248-2	(2)	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Aroclor-1248-3	(3)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1248-4	(4)	6.67	6.67	6.67	6.67	6.67	6.67	6.57	6.77
Aroclor-1248-5	(5)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Decachlorobiphenyl		10.43	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1254-1	(1)	6.65	6.65	6.65	6.65	6.64	6.65	6.55	6.75
Aroclor-1254-2	(2)	6.86	6.86	6.87	6.86	6.86	6.86	6.76	6.96
Aroclor-1254-3	(3)	7.23	7.23	7.23	7.23	7.22	7.23	7.13	7.33
Aroclor-1254-4	(4)	7.51	7.51	7.51	7.51	7.50	7.51	7.41	7.61
Aroclor-1254-5	(5)	7.93	7.92	7.93	7.93	7.92	7.92	7.82	8.02
Decachlorobiphenyl		10.42	10.42	10.42	10.42	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene		4.65	4.64	4.65	4.65	4.64	4.65	4.55	4.75
Aroclor-1268-1	(1)	8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Aroclor-1268-2	(2)	8.97	8.97	8.97	8.98	8.97	8.97	8.87	9.07
Aroclor-1268-3	(3)	9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Aroclor-1268-4	(4)	9.64	9.64	9.64	9.64	9.64	9.64	9.54	9.74
Aroclor-1268-5	(5)	10.07	10.07	10.07	10.07	10.07	10.07	9.97	10.17

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.42	10.42	10.42	10.43	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3399</u>
Instrument ID:	<u>ECD_P</u>	Calibration Date(s):	<u>10/21/2025</u> <u>10/21/2025</u>
		Calibration Times:	<u>09:06</u> <u>17:01</u>

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

LAB FILE ID:	RT 1000 = <u>PP075888.D</u>	RT 750 = <u>PP075889.D</u>
RT 500 = <u>PP075890.D</u>	RT 250 = <u>PP075891.D</u>	RT 050 = <u>PP075892.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-3	(3)	5.06	5.06	5.05	5.06	5.05	5.06	4.96	5.16
Aroclor-1016-4	(4)	5.10	5.10	5.10	5.10	5.09	5.10	5.00	5.20
Aroclor-1016-5	(5)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1260-1	(1)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1260-2	(2)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1260-3	(3)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1260-4	(4)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Aroclor-1260-5	(5)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-3	(3)	5.06	5.06	5.06	5.06	5.05	5.06	4.96	5.16
Aroclor-1242-4	(4)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1242-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.78	8.78	8.79	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-1	(1)	4.88	4.88	4.88	4.88	4.87	4.88	4.78	4.98
Aroclor-1248-2	(2)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1248-3	(3)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-4	(4)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1248-5	(5)	5.70	5.70	5.70	5.70	5.73	5.71	5.61	5.81
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1254-1	(1)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1254-2	(2)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1254-3	(3)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1254-4	(4)	6.44	6.44	6.44	6.44	6.43	6.44	6.34	6.54
Aroclor-1254-5	(5)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Decachlorobiphenyl		8.78	8.78	8.79	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.79	3.78	3.78	3.78	3.68	3.88
Aroclor-1268-1	(1)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-2	(2)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-3	(3)	7.94	7.94	7.94	7.94	7.94	7.94	7.84	8.04
Aroclor-1268-4	(4)	8.23	8.23	8.23	8.23	8.23	8.23	8.13	8.33
Aroclor-1268-5	(5)	8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.79	8.78	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene	3.78	3.78	3.79	3.79	3.79	3.78	3.68	3.88

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ICES02
SDG NO.: Q3399

Calibration Date(s): 10/21/2025 10/21/2025
Calibration Times: 09:06 17:01

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

LAB FILE ID:		CF 1000 = <u>PP075888.D</u>		CF 750 = <u>PP075889.D</u>			
CF 500 = <u>PP075890.D</u>		CF 250 = <u>PP075891.D</u>		CF 050 = <u>PP075892.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	53893845	57848439	60228768	63056856	60602640	59126110
Aroclor-1016-2	(2)	81387326	86593457	91038396	94931280	88270120	88444116
Aroclor-1016-3	(3)	50025937	53493744	56764402	59544472	56926600	55351031
Aroclor-1016-4	(4)	41815325	44617539	46982858	48544784	45240520	45440205
Aroclor-1016-5	(5)	39075321	41377448	43150568	44782124	48642160	43405524
Aroclor-1260-1	(1)	64655691	67908073	70553690	74100180	66565440	68756615
Aroclor-1260-2	(2)	80744063	85234851	88594752	93987136	99325680	89577296
Aroclor-1260-3	(3)	64964687	67552583	69003280	72715708	72196540	69286560
Aroclor-1260-4	(4)	65448766	70711301	72542976	74553116	59600740	68571380
Aroclor-1260-5	(5)	139384380	146230631	152452738	155039368	146650940	147951611
Decachlorobiphenyl		1012132950	1071302787	1124785220	1137889120	1036523400	1076526695
Tetrachloro-m-xylene		1370219590	1453116893	1490571040	1483020960	1348537200	1429093137
Aroclor-1242-1	(1)	44019933	46315467	47674416	50255084	51268840	47906748
Aroclor-1242-2	(2)	64942800	67715737	70979556	73767248	76553360	70791740
Aroclor-1242-3	(3)	40140584	42044764	44589646	47135032	54298900	45641785
Aroclor-1242-4	(4)	33543618	35162207	36420600	36967860	39702420	36359341
Aroclor-1242-5	(5)	36405140	38662289	41888622	39296052	48467620	40943945
Decachlorobiphenyl		1136280900	1209279307	1231278960	1289202560	1357807000	1244769745
Tetrachloro-m-xylene		1466601570	1512648573	1545825660	1595207720	1573043800	1538665465
Aroclor-1248-1	(1)	33471805	35785521	36963520	39121904	34010240	35870598
Aroclor-1248-2	(2)	44816839	47584043	49402910	52441868	49476340	48744400
Aroclor-1248-3	(3)	49477903	52446567	61105936	57335280	50958020	54264741
Aroclor-1248-4	(4)	60435029	64167197	67505182	72174088	67539280	66364155
Aroclor-1248-5	(5)	58134534	61713151	65347636	71297512	67810300	64860627
Decachlorobiphenyl		1140637530	1190681093	1243623480	1306886720	1250686400	1226503045
Tetrachloro-m-xylene		1468701040	1529744213	1558324940	1626496320	1450854600	1526824223
Aroclor-1254-1	(1)	66261960	71898345	78270020	82464920	100572060	79893461
Aroclor-1254-2	(2)	87851253	92570580	96669370	102809560	120020480	99984249
Aroclor-1254-3	(3)	92035771	96900691	99787992	105988040	125061300	103954759
Aroclor-1254-4	(4)	73136868	76689867	79390286	83967352	104884540	83613783
Aroclor-1254-5	(5)	85440842	89720104	92252192	95013656	95427040	91570767
Decachlorobiphenyl		1194970230	1245235800	1296058720	1332579960	1514859800	1316740902
Tetrachloro-m-xylene		1499217980	1559170693	1583264260	1614158480	1720822800	1595326843
Aroclor-1268-1	(1)	186733090	195066952	205606148	210022232	235253460	206536376

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	172486766	179135464	188184104	190078376	211424800	188261902	8
Aroclor-1268-3	(3)	145245892	150281380	156894280	158090072	165408840	155184093	5
Aroclor-1268-4	(4)	71036137	74805685	76392484	76627212	94373740	78647052	12
Aroclor-1268-5	(5)	446420076	458917541	475352492	479939416	541304600	480386825	8
Decachlorobiphenyl		1988394870	2075434813	2173906840	2211711440	2356033600	2161096313	6
Tetrachloro-m-xylene		1515083040	1549265533	1603737900	1591085800	1659449000	1583724255	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ICES02
SDG NO.: Q3399

Calibration Date(s): 10/21/2025 10/21/2025
Calibration Times: 09:06 17:01

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

LAB FILE ID:		CF 1000 = <u>PP075888.D</u>		CF 750 = <u>PP075889.D</u>			
CF 500 = <u>PP075890.D</u>		CF 250 = <u>PP075891.D</u>		CF 050 = <u>PP075892.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	708597432	755130533	750168220	768814916	718149060	740172032 3
Aroclor-1016-2	(2)	344688013	362255933	349033076	368003724	285681000	341932349 10
Aroclor-1016-3	(3)	184756021	198805969	201689770	204443556	237017160	205342495 9
Aroclor-1016-4	(4)	185429480	195612065	193130110	203643812	156612400	186885573 10
Aroclor-1016-5	(5)	202087874	223186380	221264342	249936892	243439240	227982946 8
Aroclor-1260-1	(1)	519115007	547143451	551523748	550034516	570658900	547695124 3
Aroclor-1260-2	(2)	816933203	847057133	836099344	841169992	727408040	813733542 6
Aroclor-1260-3	(3)	571186815	591919587	603061842	595667512	451948620	562756875 11
Aroclor-1260-4	(4)	562542796	557220415	556309062	533352684	387232680	519331527 14
Aroclor-1260-5	(5)	1443277342	1495374137	1448146362	1379476524	1011499060	1355554685 15
Decachlorobiphenyl		7970697090	8448130240	8416417320	8375691800	7903993200	8222985930 3
Tetrachloro-m-xylene		6687145430	7018651333	6804923780	6758234840	5822487600	6618288597 7
Aroclor-1242-1	(1)	571147464	588341980	597723718	569760388	546790280	574752766 3
Aroclor-1242-2	(2)	271622570	270496133	289123856	291348184	264965740	277511297 4
Aroclor-1242-3	(3)	148417684	150685240	162169734	157714788	168071120	157411713 5
Aroclor-1242-4	(4)	195275059	191450107	210824584	191270784	136740280	185112163 15
Aroclor-1242-5	(5)	229588702	236959084	244202752	234962408	205474700	230237529 6
Decachlorobiphenyl		8905080650	8993413907	9094156860	9113318400	9309338200	9083061603 2
Tetrachloro-m-xylene		7556133750	7417192413	7366207320	7201170040	6123421000	7132824905 8
Aroclor-1248-1	(1)	362937087	375551145	389160858	390611340	359825360	375617158 4
Aroclor-1248-2	(2)	226906631	241863020	243838414	257801160	259130280	245907901 5
Aroclor-1248-3	(3)	258884180	267447340	286041186	300772772	321318420	286892780 9
Aroclor-1248-4	(4)	264944699	288582168	281543548	284810560	293675780	282711351 4
Aroclor-1248-5	(5)	531974990	530976477	538260328	580030476	417051840	519658822 12
Decachlorobiphenyl		8995204870	9175718960	9269974040	9050625160	7344080200	8767120646 9
Tetrachloro-m-xylene		7343926730	7496283907	7432157100	7125361600	5416154400	6962776747 13
Aroclor-1254-1	(1)	570889099	597066183	605466528	586480320	460097860	563999998 11
Aroclor-1254-2	(2)	484331632	496825463	519240264	512723972	637282480	530080762 12
Aroclor-1254-3	(3)	866771846	893592493	892235862	873540968	729313040	851090842 8
Aroclor-1254-4	(4)	656603428	687178148	673132272	636725912	495267720	629781496 12
Aroclor-1254-5	(5)	714919063	793859644	718111150	679323440	693198580	719882375 6
Decachlorobiphenyl		9294247170	9652211800	9737198260	9430246600	10010120400	9624804846 3
Tetrachloro-m-xylene		7467434200	7759548133	7675903540	7263970760	7005463400	7434464007 4
Aroclor-1268-1	(1)	1831610079	1813456776	1858863308	1732000476	1817331660	1810652460 3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1800363506	1772458256	1795415328	1662166904	1645167940	1735114387	4
Aroclor-1268-3	(3)	1369797429	1358701644	1402746042	1358715304	1345500120	1367092108	2
Aroclor-1268-4	(4)	542764588	536784571	540251440	501746924	465672060	517443917	6
Aroclor-1268-5	(5)	3855476951	3900359425	4013489614	3707995788	3381331260	3771730608	6
Decachlorobiphenyl		16718332370	16659738347	17037476180	16197346520	15850998600	16492778403	3
Tetrachloro-m-xylene		7499400880	7531972947	7553431460	7073074800	6855756800	7302727377	4



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

Instrument ID: ECD_P Date(s) Analyzed: 10/21/2025 10/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.84	4.74	4.94	20176600
		2	4.93	4.83	5.03	15061400
		3	5.01	4.91	5.11	46915600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.01	4.91	5.11	39314800
		2	5.53	5.43	5.63	20627600
		3	5.82	5.72	5.92	38639600
		4	5.98	5.88	6.08	20172600
		5	6.07	5.97	6.17	15662900
Aroclor-1262	500	1	8.23	8.13	8.33	84026000
		2	8.56	8.46	8.66	163669000
		3	8.88	8.78	8.98	121787000
		4	8.97	8.87	9.07	92111600
		5	9.64	9.54	9.74	67824600



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

Instrument ID: ECD_P Date(s) Analyzed: 10/21/2025 10/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.99	3.89	4.09	90009000
		2	4.08	3.98	4.18	63177800
		3	4.15	4.05	4.25	212036000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	168044000
		2	4.88	4.78	4.98	297516000
		3	5.06	4.96	5.16	81766800
		4	5.14	5.04	5.24	84943400
		5	5.31	5.21	5.41	100651000
Aroclor-1262	500	1	6.89	6.79	6.99	986952000
		2	7.15	7.05	7.25	703208000
		3	7.67	7.57	7.77	606960000
		4	7.74	7.64	7.84	1101340000
		5	8.23	8.13	8.33	461492000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:06
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.784	137.0E6	668.7E6	95.793	99.127
2) SA Decachlor...	10.422	8.784	101.2E6	797.1E6	94.728	97.280
Target Compounds						
3) L1 AR-1016-1	5.799	4.880	53893845	708.6E6	944.490	971.503
4) L1 AR-1016-2	5.820	4.938	81387326	344.7E6	944.028	993.737
5) L1 AR-1016-3	5.883	5.058	50025937	184.8E6	936.900	956.181
6) L1 AR-1016-4	5.980	5.099	41815325	185.4E6	941.806	979.658
7) L1 AR-1016-5	6.272	5.313	39075321	202.1E6	950.438	954.703
31) L7 AR-1260-1	7.391	6.341	64655691	519.1E6	956.379	969.730
32) L7 AR-1260-2	7.643	6.527	80744063	816.9E6	953.639	988.405
33) L7 AR-1260-3	8.001	6.681	64964687	571.2E6	969.854	972.855
34) L7 AR-1260-4	8.229	7.150	65448766	562.5E6	948.590	1005.572
35) L7 AR-1260-5	8.555	7.390	139.4E6	1443.3E6	955.220	998.316

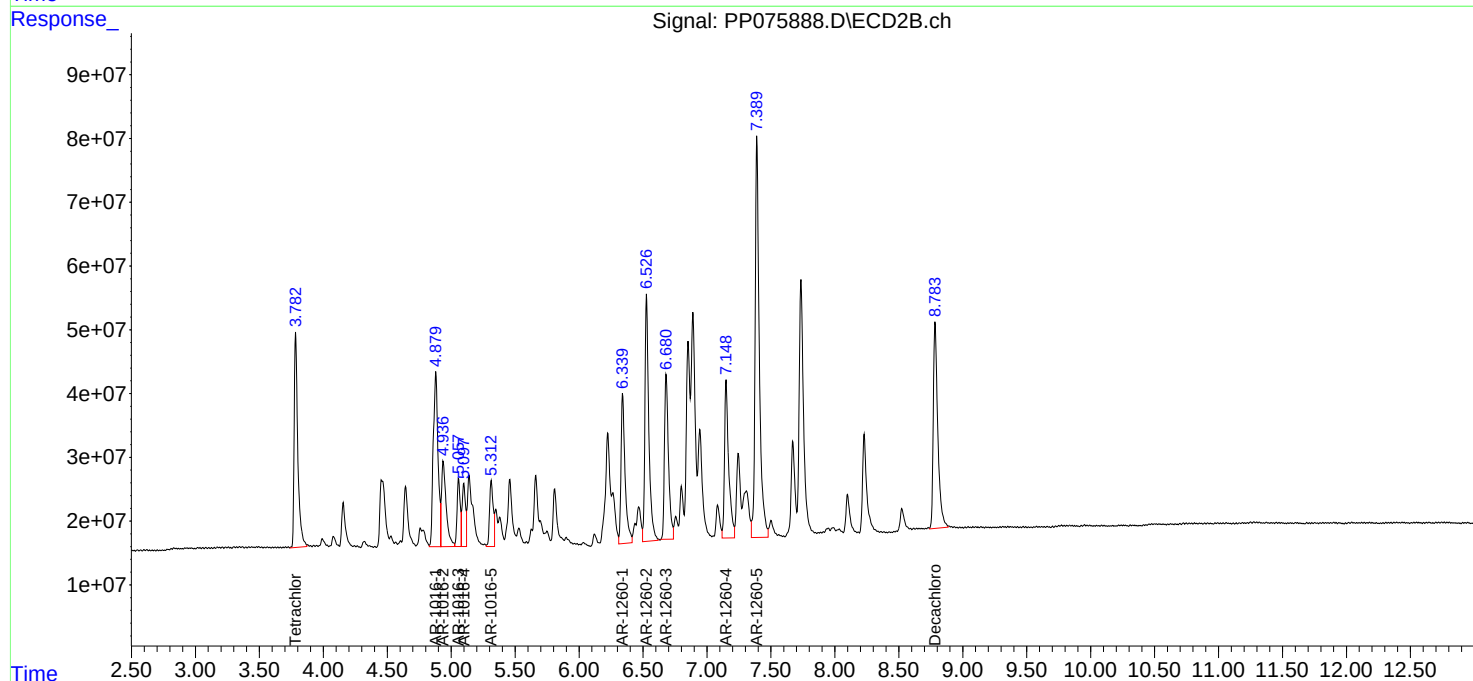
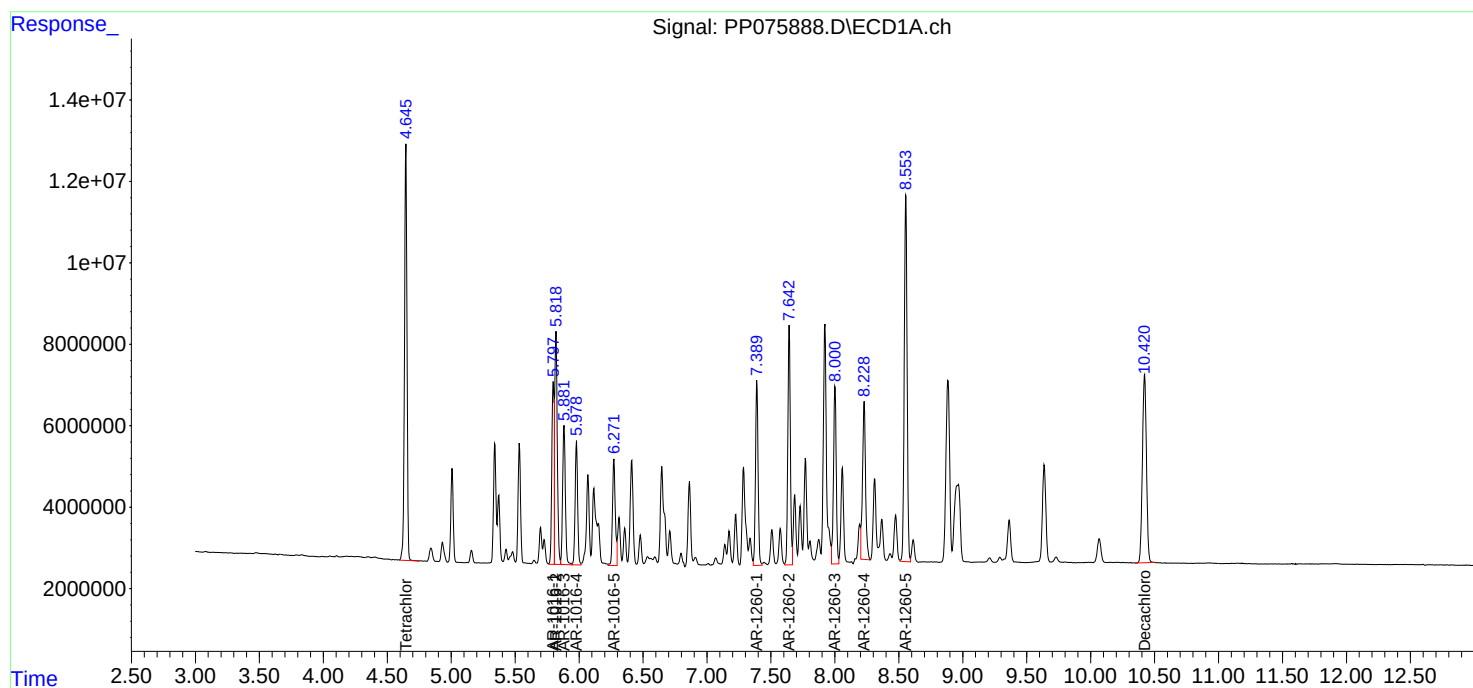
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

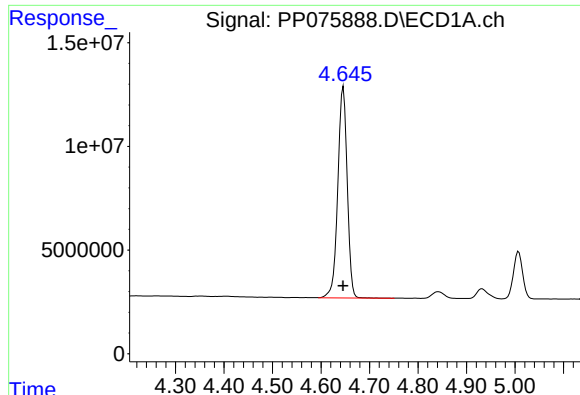
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:06
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

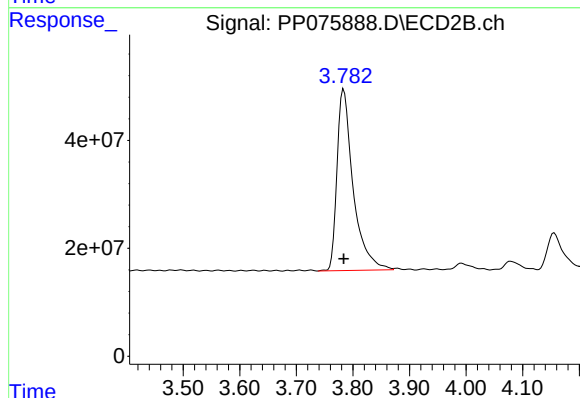




#1 Tetrachloro-m-xylene

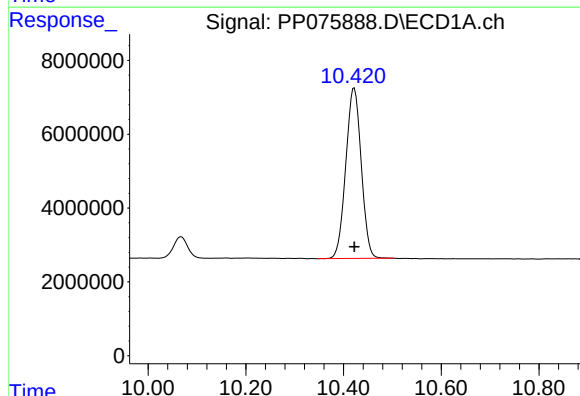
R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 137021959
Conc: 95.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



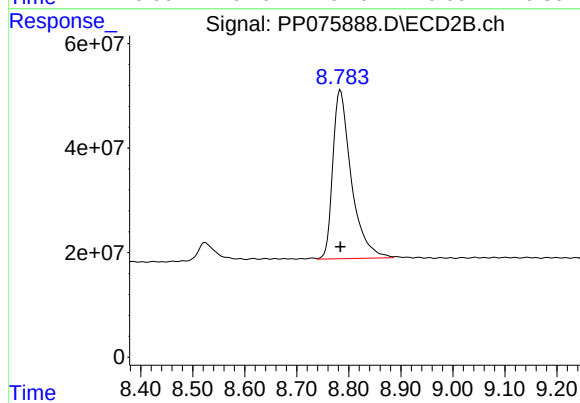
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.000 min
Response: 668714543
Conc: 99.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 101213295
Conc: 94.73 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 797069709
Conc: 97.28 ng/ml

Response_ Signal: PP075888.D\ECD1A.ch

#3 AR-1016-1

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 53893845
Conc: 944.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Time

Response_ Signal: PP075888.D\ECD2B.ch

#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.000 min
Response: 708597432
Conc: 971.50 ng/ml

Time

Response_ Signal: PP075888.D\ECD1A.ch

#4 AR-1016-2

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 81387326
Conc: 944.03 ng/ml

Time

Response_ Signal: PP075888.D\ECD2B.ch

#4 AR-1016-2

R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 344688013
Conc: 993.74 ng/ml

Time

Response_ Signal: PP075888.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.883 min
Delta R.T.: 0.000 min
Response: 50025937
Conc: 936.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Time

Response_ Signal: PP075888.D\ECD2B.ch

#5 AR-1016-3

R.T.: 5.058 min
Delta R.T.: 0.000 min
Response: 184756021
Conc: 956.18 ng/ml

Time

Response_ Signal: PP075888.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 41815325
Conc: 941.81 ng/ml

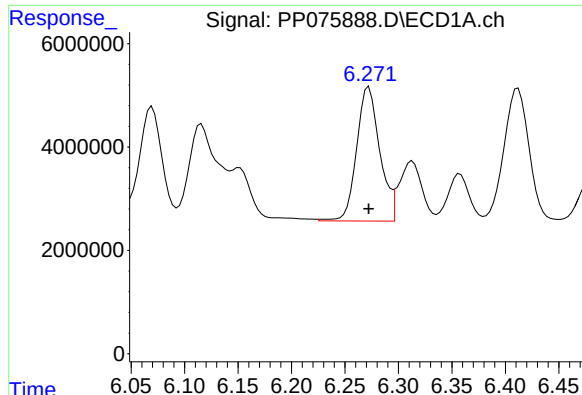
Time

Response_ Signal: PP075888.D\ECD2B.ch

#6 AR-1016-4

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 185429480
Conc: 979.66 ng/ml

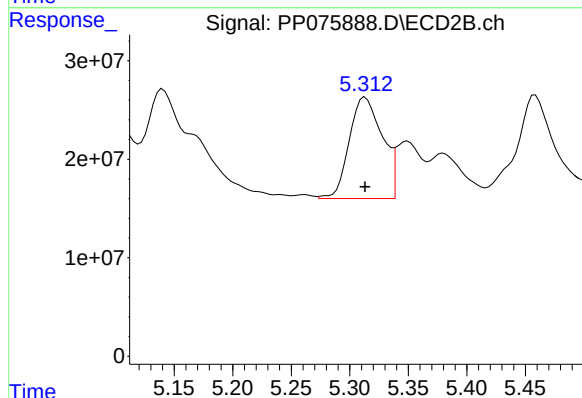
Time



#7 AR-1016-5

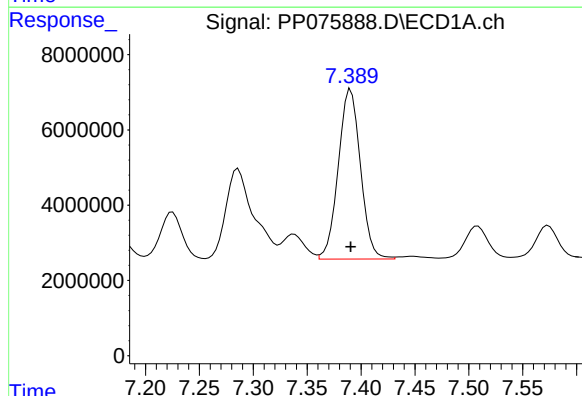
R.T.: 6.272 min
Delta R.T.: 0.000 min
Response: 39075321
Conc: 950.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



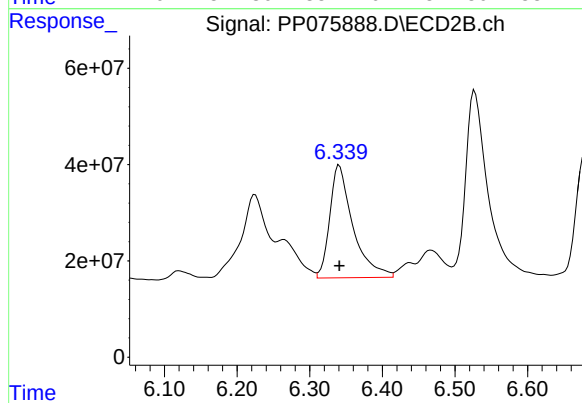
#7 AR-1016-5

R.T.: 5.313 min
Delta R.T.: 0.000 min
Response: 202087874
Conc: 954.70 ng/ml



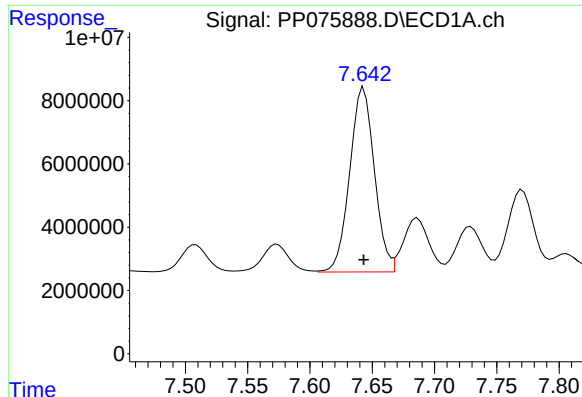
#31 AR-1260-1

R.T.: 7.391 min
Delta R.T.: 0.000 min
Response: 64655691
Conc: 956.38 ng/ml



#31 AR-1260-1

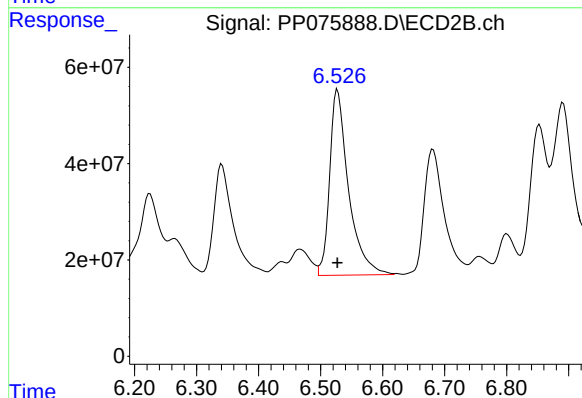
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 519115007
Conc: 969.73 ng/ml



#32 AR-1260-2

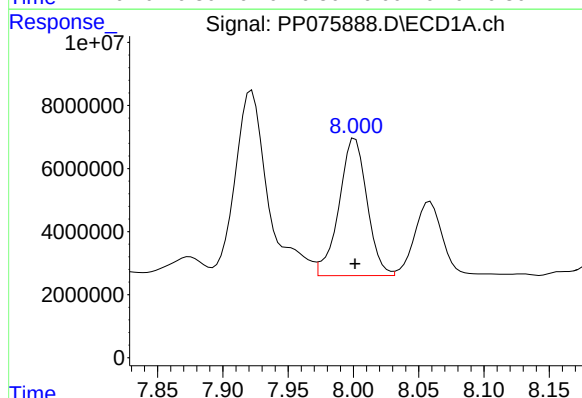
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 80744063
Conc: 953.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



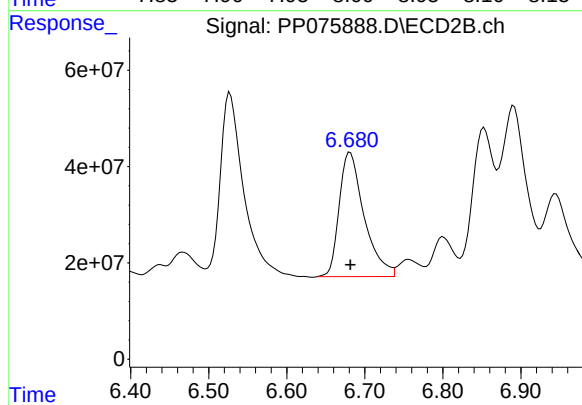
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.000 min
Response: 816933203
Conc: 988.41 ng/ml



#33 AR-1260-3

R.T.: 8.001 min
Delta R.T.: 0.000 min
Response: 64964687
Conc: 969.85 ng/ml



#33 AR-1260-3

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 571186815
Conc: 972.85 ng/ml

Response_ Signal: PP075888.D\ECD1A.ch

#34 AR-1260-4

R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 65448766
Conc: 948.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Time

Response_ Signal: PP075888.D\ECD2B.ch

#34 AR-1260-4

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 562542796
Conc: 1005.57 ng/ml

Time

Response_ Signal: PP075888.D\ECD1A.ch

#35 AR-1260-5

R.T.: 8.553 min
Delta R.T.: 0.000 min
Response: 139384380
Conc: 955.22 ng/ml

Time

Response_ Signal: PP075888.D\ECD2B.ch

#35 AR-1260-5

R.T.: 7.390 min
Delta R.T.: 0.000 min
Response: 1443277342
Conc: 998.32 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:22
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:23:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.642	3.781	109.0E6	526.4E6	75.790	76.994
2) SA Decachlor...	10.419	8.782	80347709	633.6E6	75.133	76.538
Target Compounds						
3) L1 AR-1016-1	5.795	4.877	43386329	566.3E6	756.866	767.445
4) L1 AR-1016-2	5.817	4.935	64945093	271.7E6	752.204	771.869
5) L1 AR-1016-3	5.879	5.055	40120308	149.1E6	750.922	764.309
6) L1 AR-1016-4	5.977	5.096	33463154	146.7E6	752.456	766.543
7) L1 AR-1016-5	6.270	5.309	31033086	167.4E6	753.210	776.704
31) L7 AR-1260-1	7.387	6.338	50931055	410.4E6	752.240	760.963
32) L7 AR-1260-2	7.640	6.525	63926138	635.3E6	753.332	762.324
33) L7 AR-1260-3	7.999	6.678	50664437	443.9E6	754.232	754.073
34) L7 AR-1260-4	8.226	7.147	53033476	417.9E6	762.329	748.026
35) L7 AR-1260-5	8.552	7.387	109.7E6	1121.5E6	751.069	766.981

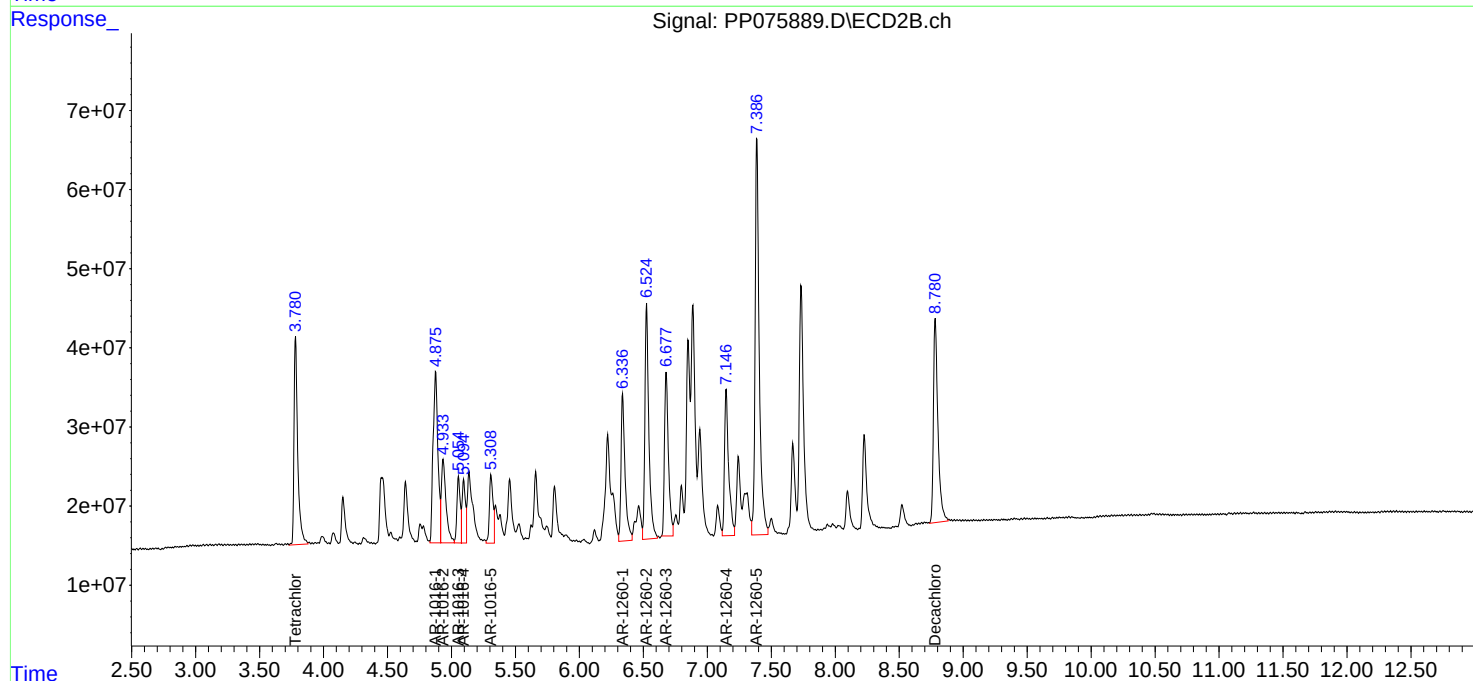
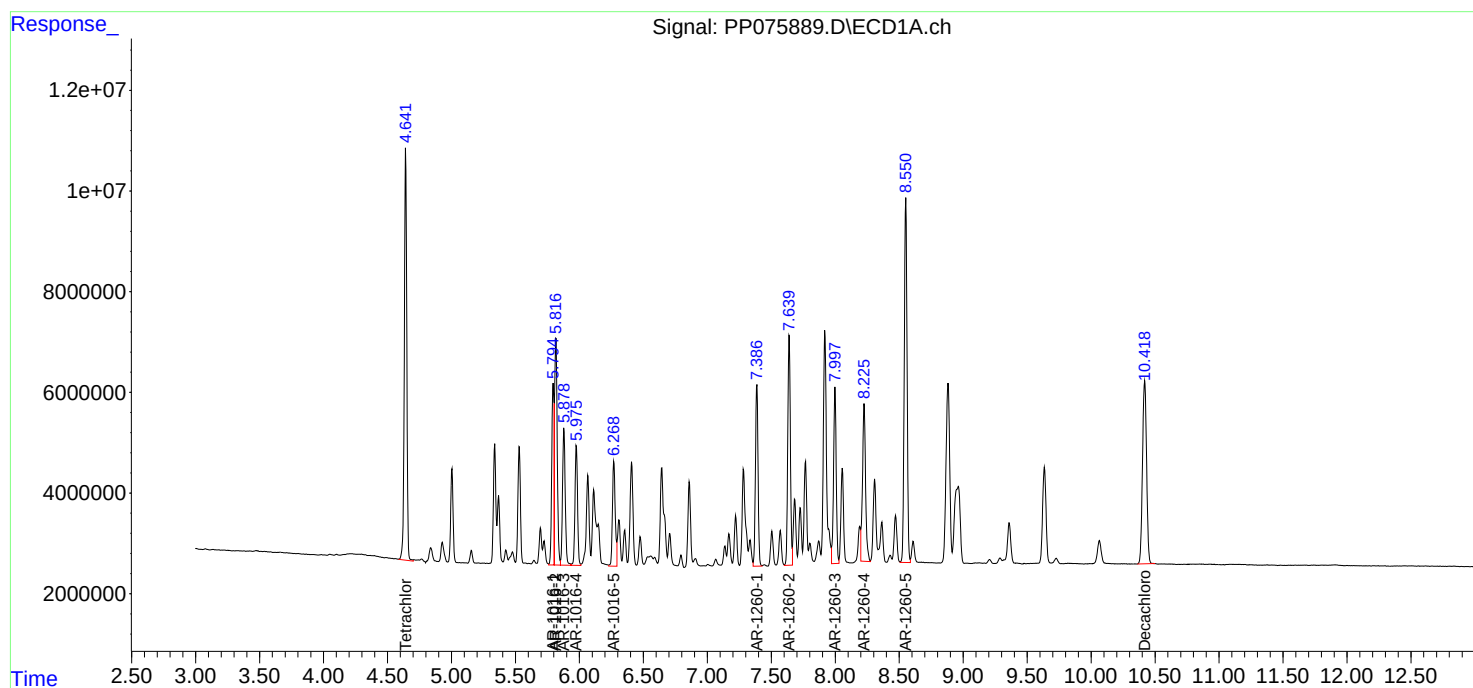
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:22
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:23:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PP075889.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.642 min
Delta R.T.: 0.000 min
Response: 108983767
Conc: 75.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Time

Response_ Signal: PP075889.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 526398850
Conc: 76.99 ng/ml

Time

Response_ Signal: PP075889.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 10.419 min
Delta R.T.: 0.000 min
Response: 80347709
Conc: 75.13 ng/ml

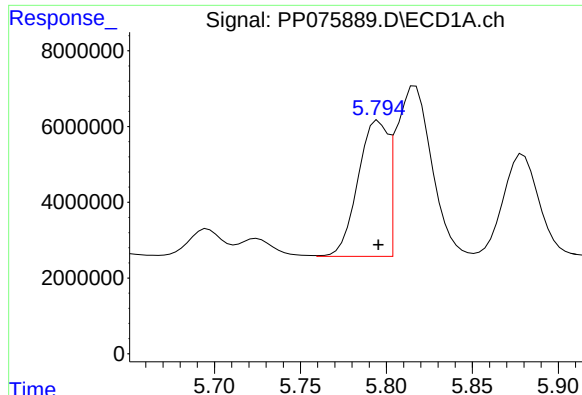
Time

Response_ Signal: PP075889.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 633609768
Conc: 76.54 ng/ml

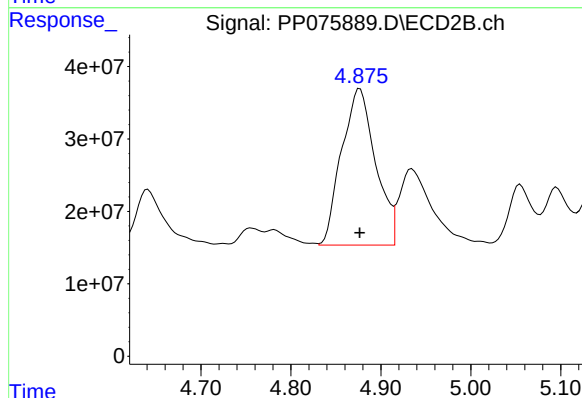
Time



#3 AR-1016-1

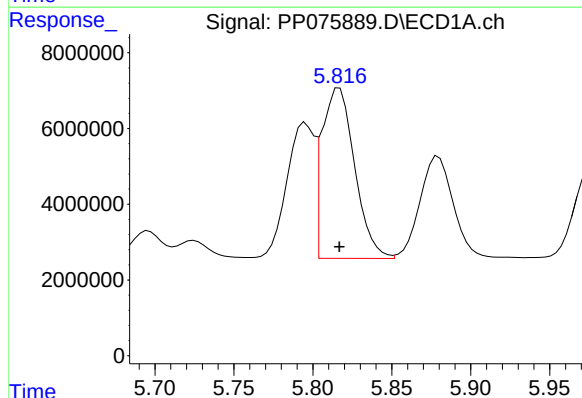
R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 43386329
Conc: 756.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



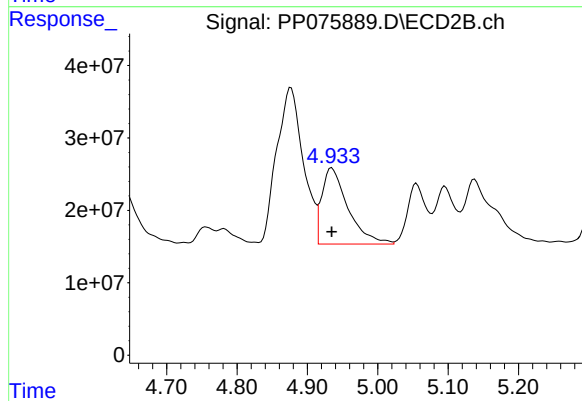
#3 AR-1016-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 566347900
Conc: 767.45 ng/ml



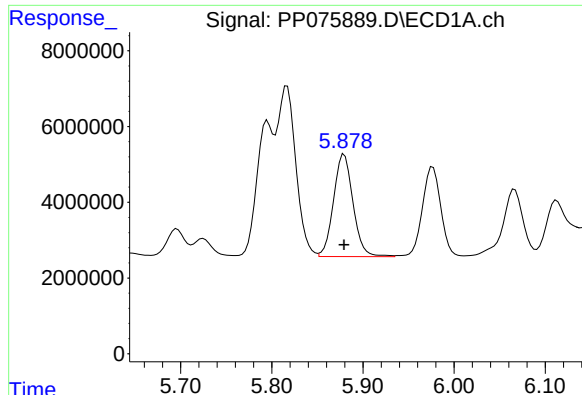
#4 AR-1016-2

R.T.: 5.817 min
Delta R.T.: 0.000 min
Response: 64945093
Conc: 752.20 ng/ml



#4 AR-1016-2

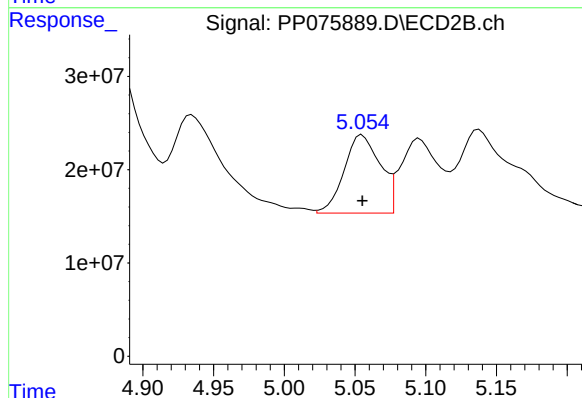
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 271691950
Conc: 771.87 ng/ml



#5 AR-1016-3

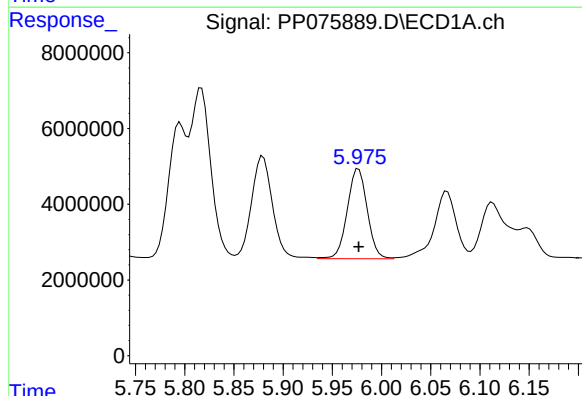
R.T.: 5.879 min
Delta R.T.: 0.000 min
Response: 40120308
Conc: 750.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



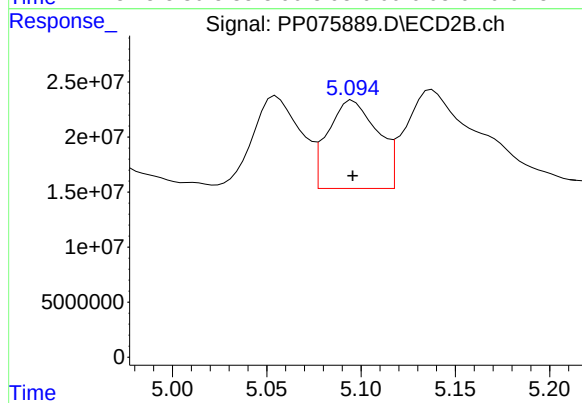
#5 AR-1016-3

R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 149104477
Conc: 764.31 ng/ml



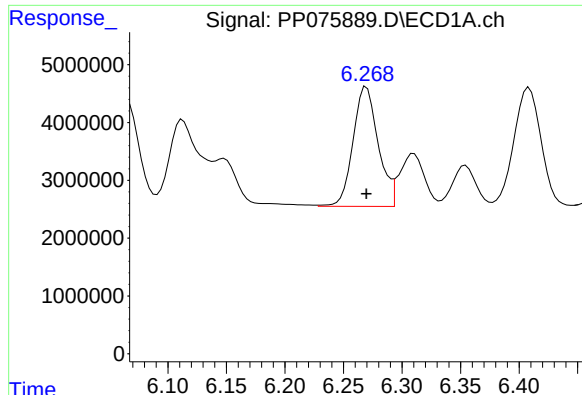
#6 AR-1016-4

R.T.: 5.977 min
Delta R.T.: 0.000 min
Response: 33463154
Conc: 752.46 ng/ml



#6 AR-1016-4

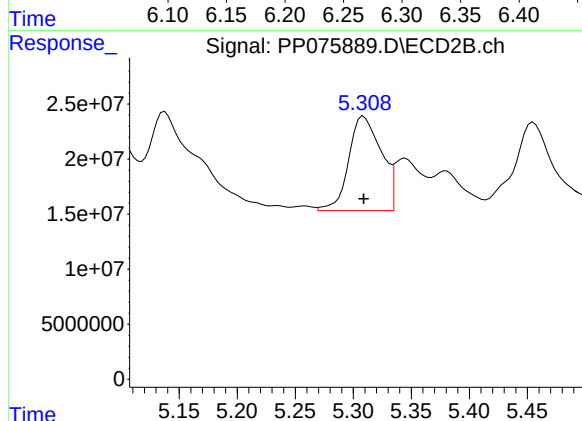
R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 146709049
Conc: 766.54 ng/ml



#7 AR-1016-5

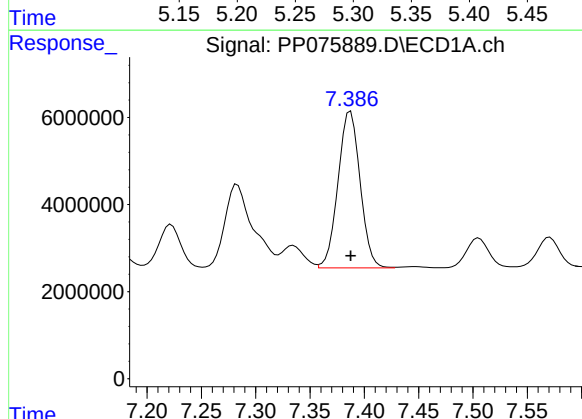
R.T.: 6.270 min
Delta R.T.: 0.000 min
Response: 31033086
Conc: 753.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



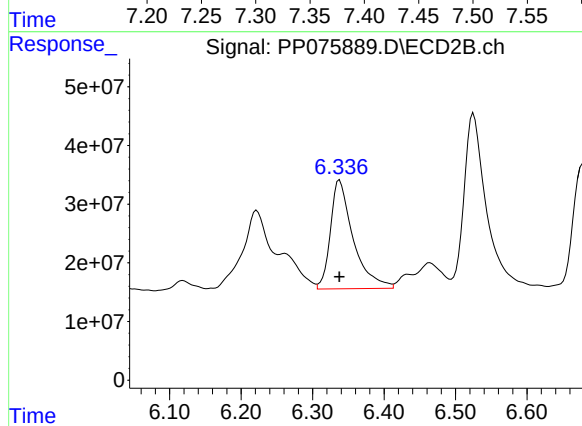
#7 AR-1016-5

R.T.: 5.309 min
Delta R.T.: 0.000 min
Response: 167389785
Conc: 776.70 ng/ml



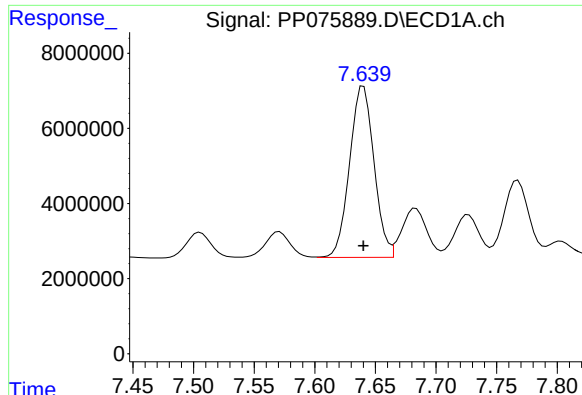
#31 AR-1260-1

R.T.: 7.387 min
Delta R.T.: 0.000 min
Response: 50931055
Conc: 752.24 ng/ml



#31 AR-1260-1

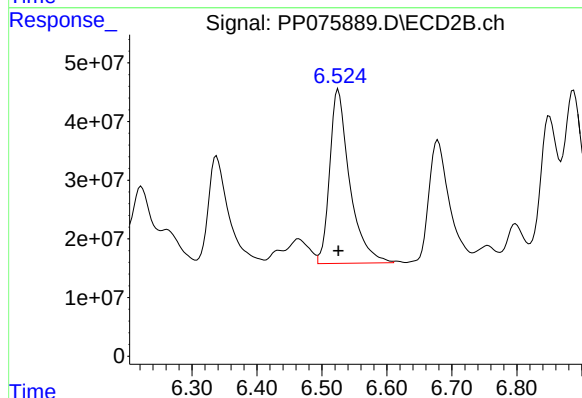
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 410357588
Conc: 760.96 ng/ml



#32 AR-1260-2

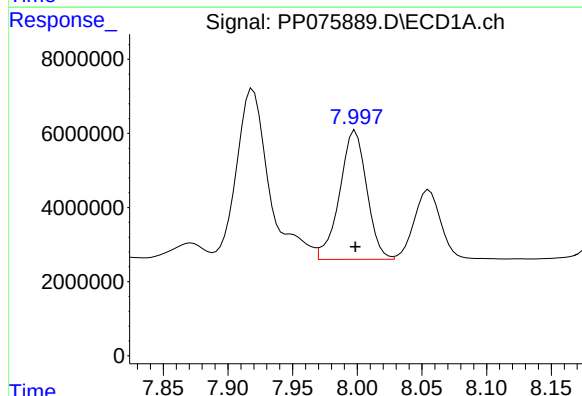
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 63926138
Conc: 753.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



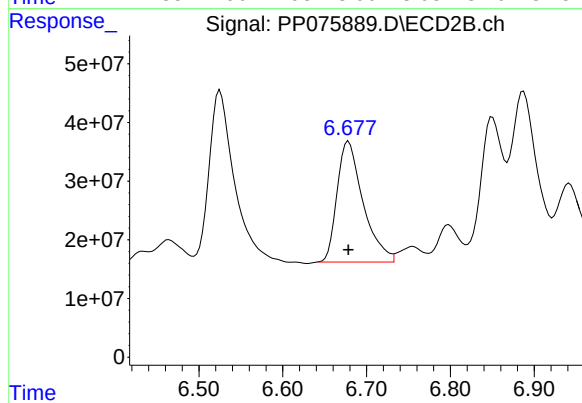
#32 AR-1260-2

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 635292850
Conc: 762.32 ng/ml



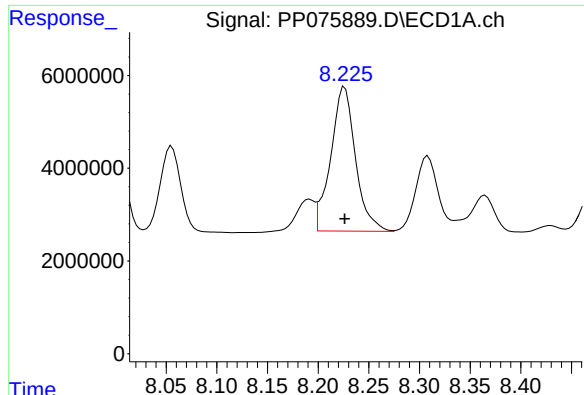
#33 AR-1260-3

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 50664437
Conc: 754.23 ng/ml



#33 AR-1260-3

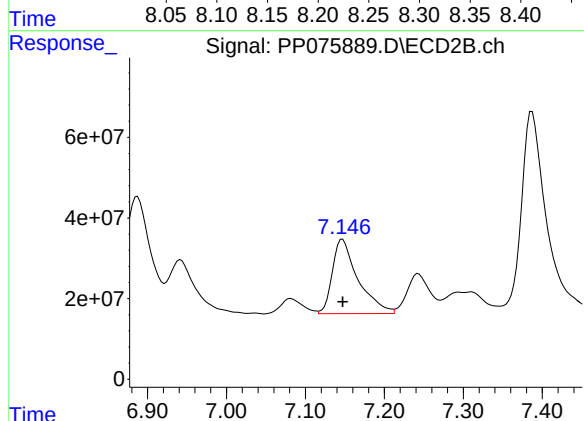
R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 443939690
Conc: 754.07 ng/ml



#34 AR-1260-4

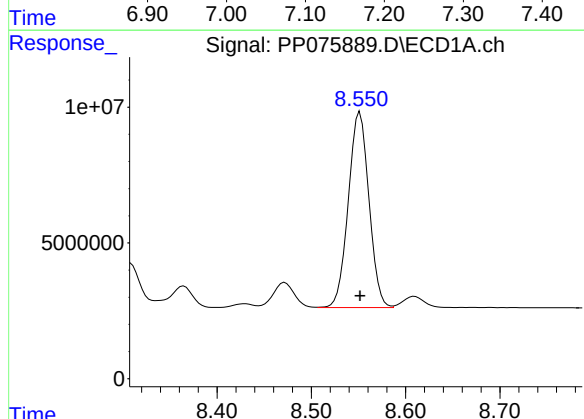
R.T.: 8.226 min
Delta R.T.: 0.000 min
Response: 53033476
Conc: 762.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



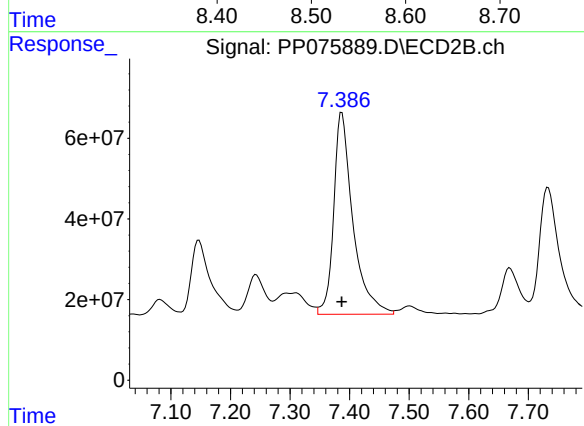
#34 AR-1260-4

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 417915311
Conc: 748.03 ng/ml



#35 AR-1260-5

R.T.: 8.552 min
Delta R.T.: 0.000 min
Response: 109672973
Conc: 751.07 ng/ml



#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: 0.000 min
Response: 1121530603
Conc: 766.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:38
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.642	3.781	74528552	340.2E6	50.000	50.000
2) SA Decachlor...	10.419	8.782	56239261	420.8E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.795	4.878	30114384	375.1E6	500.000	500.000
4) L1 AR-1016-2	5.817	4.936	45519198	174.5E6	500.000	500.000
5) L1 AR-1016-3	5.880	5.054	28382201	100.8E6	500.000	500.000
6) L1 AR-1016-4	5.977	5.096	23491429	96565055	500.000	500.000
7) L1 AR-1016-5	6.269	5.310	21575284	110.6E6	500.000	500.000
31) L7 AR-1260-1	7.387	6.338	35276845	275.8E6	500.000	500.000
32) L7 AR-1260-2	7.640	6.525	44297376	418.0E6	500.000	500.000
33) L7 AR-1260-3	7.999	6.678	34501640	301.5E6	500.000	500.000
34) L7 AR-1260-4	8.227	7.147	36271488	278.2E6	500.000	500.000
35) L7 AR-1260-5	8.552	7.387	76226369	724.1E6	500.000	500.000

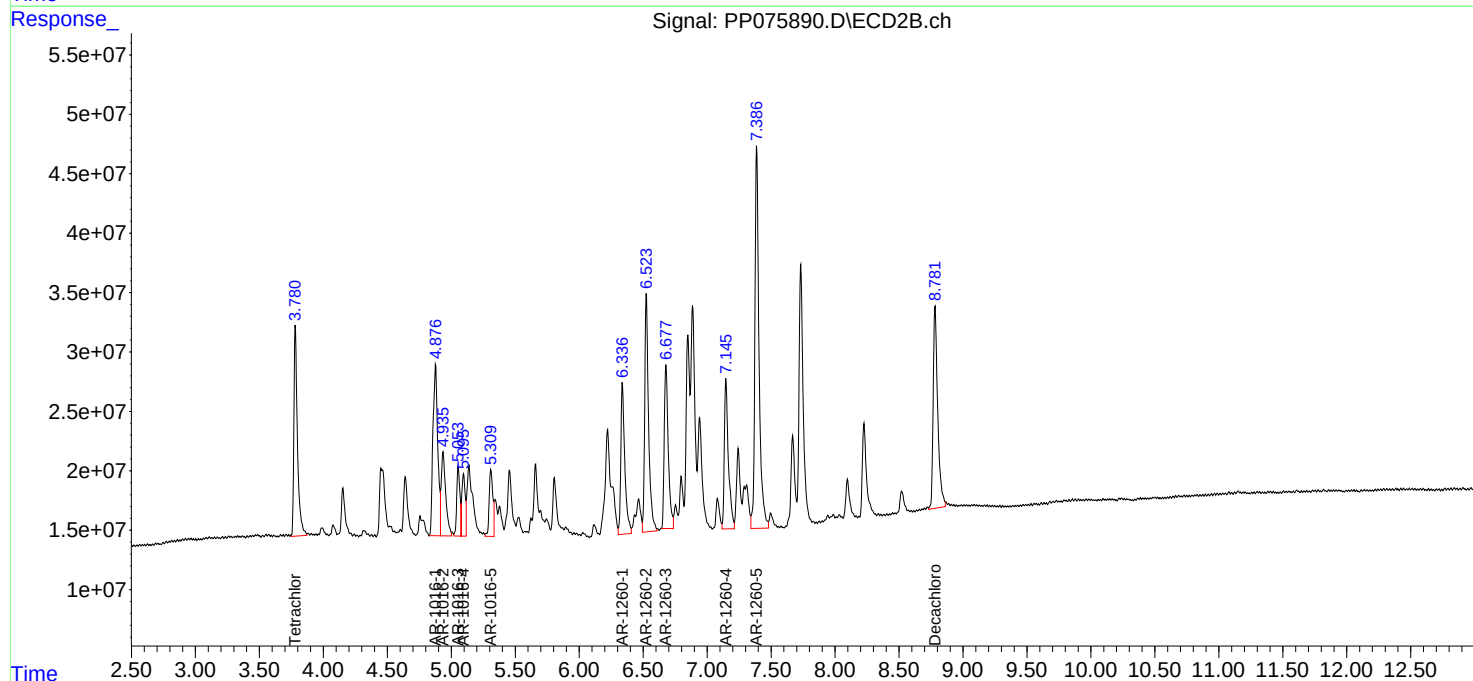
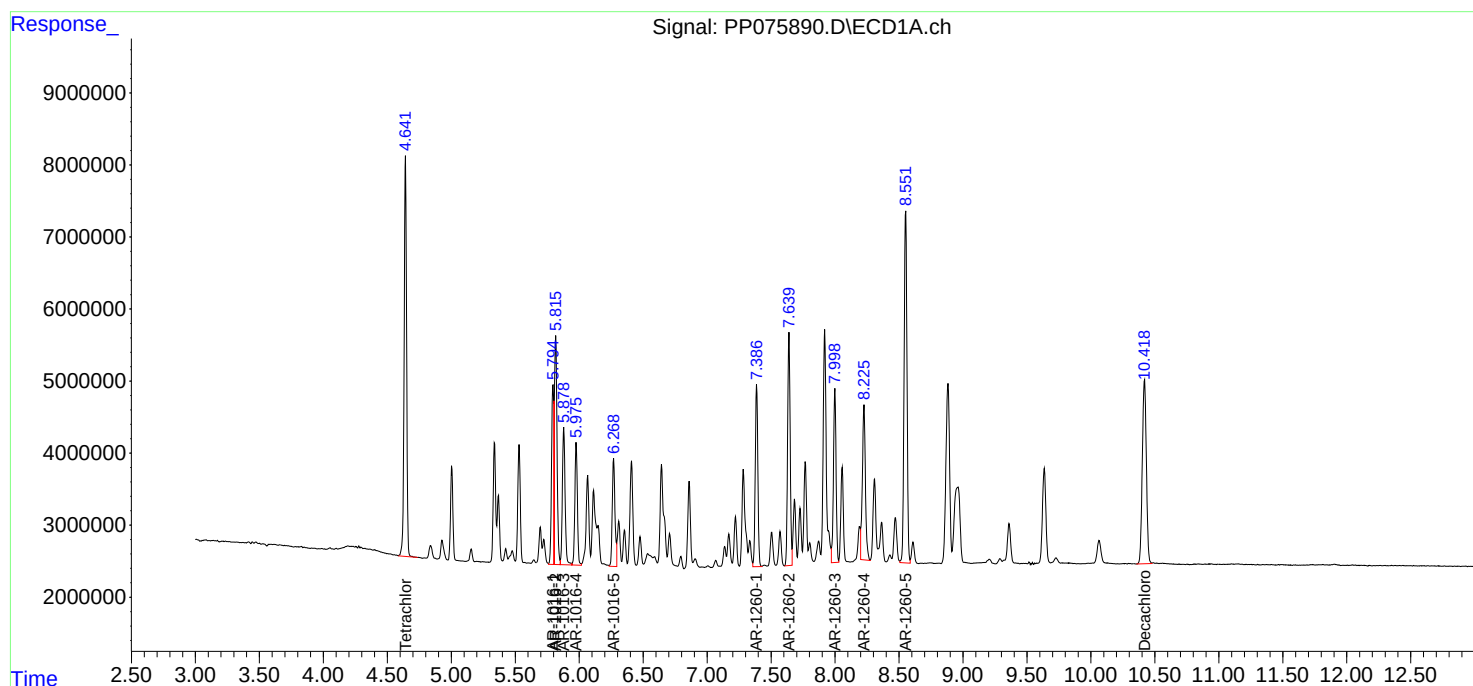
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:38
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

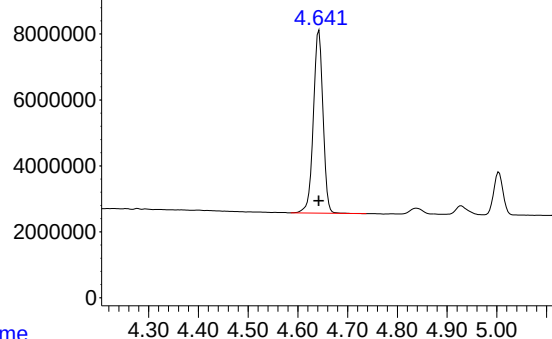
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PP075890.D\ECD1A.ch

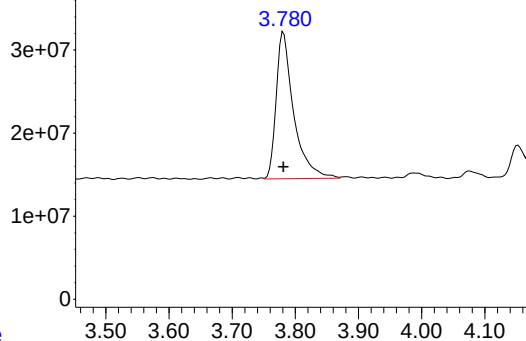


#1 Tetrachloro-m-xylene

R.T.: 4.642 min
Delta R.T.: 0.000 min
Response: 74528552
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

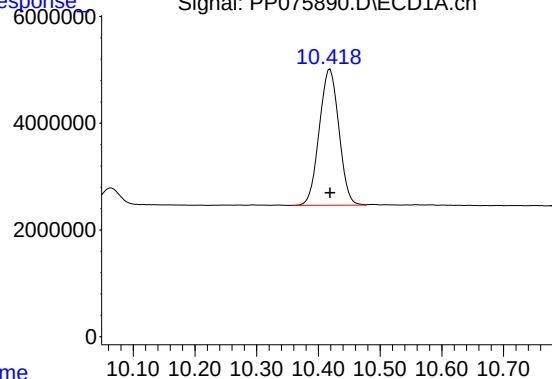
Time Response_ Signal: PP075890.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 340246189
Conc: 50.00 ng/ml

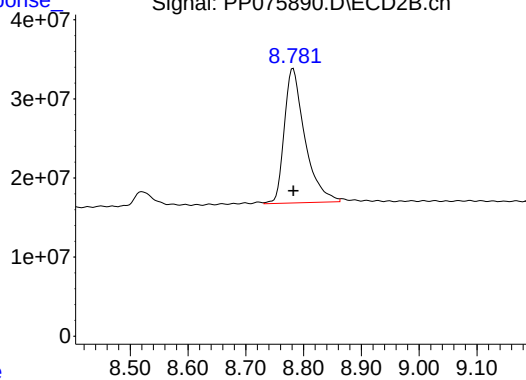
Time Response_ Signal: PP075890.D\ECD1A.ch



#2 Decachlorobiphenyl

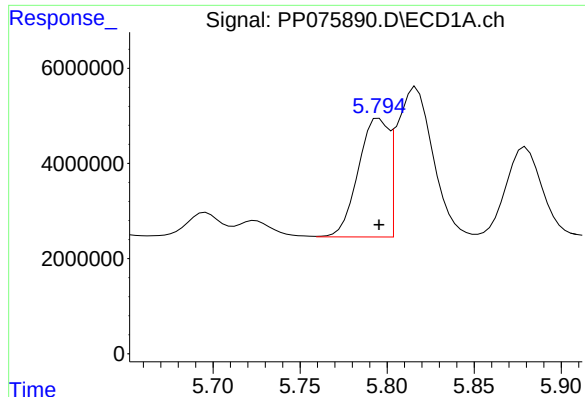
R.T.: 10.419 min
Delta R.T.: 0.000 min
Response: 56239261
Conc: 50.00 ng/ml

Time Response_ Signal: PP075890.D\ECD2B.ch



#2 Decachlorobiphenyl

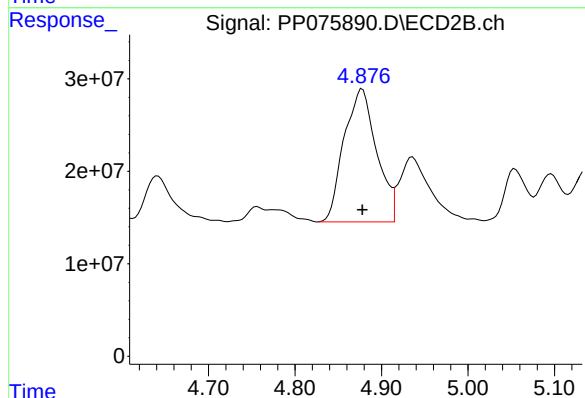
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 420820866
Conc: 50.00 ng/ml



#3 AR-1016-1

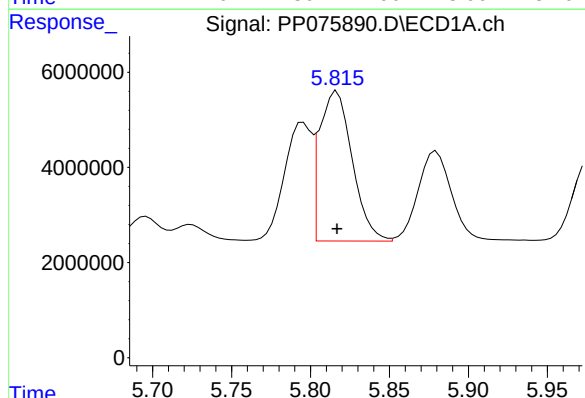
R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 30114384
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



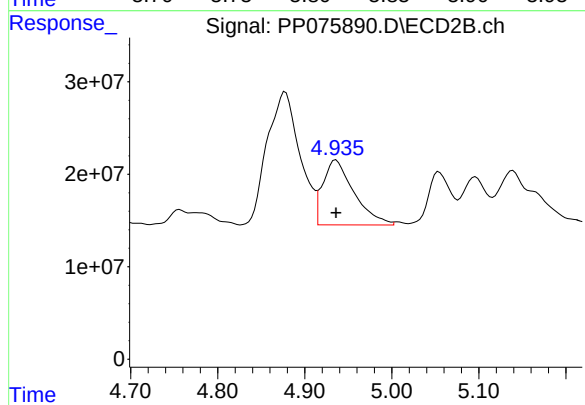
#3 AR-1016-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 375084110
Conc: 500.00 ng/ml



#4 AR-1016-2

R.T.: 5.817 min
Delta R.T.: 0.000 min
Response: 45519198
Conc: 500.00 ng/ml



#4 AR-1016-2

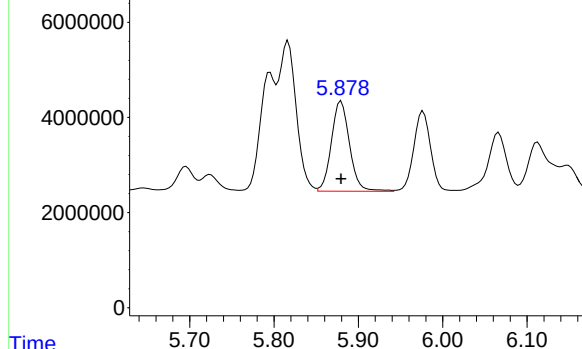
R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 174516538
Conc: 500.00 ng/ml

Response_ Signal: PP075890.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.880 min
Delta R.T.: 0.000 min
Response: 28382201
Conc: 500.00 ng/ml

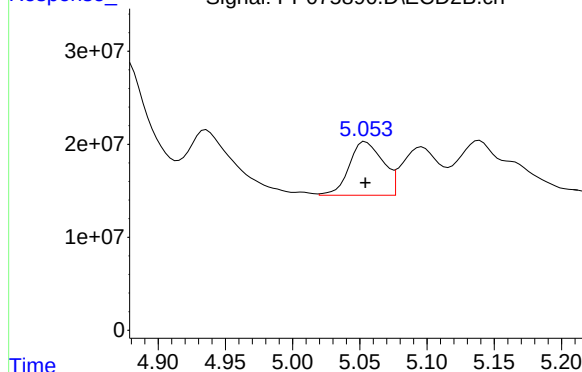
Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



Time Response_ Signal: PP075890.D\ECD2B.ch

#5 AR-1016-3

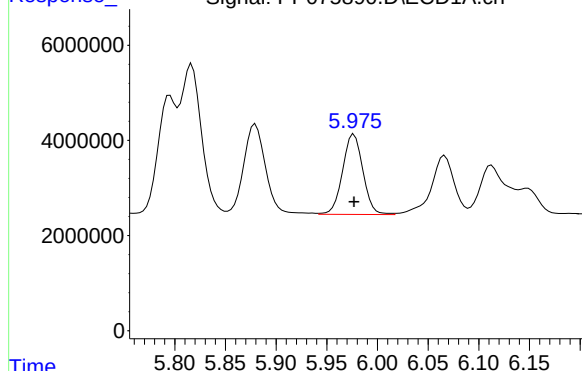
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 100844885
Conc: 500.00 ng/ml



Time Response_ Signal: PP075890.D\ECD1A.ch

#6 AR-1016-4

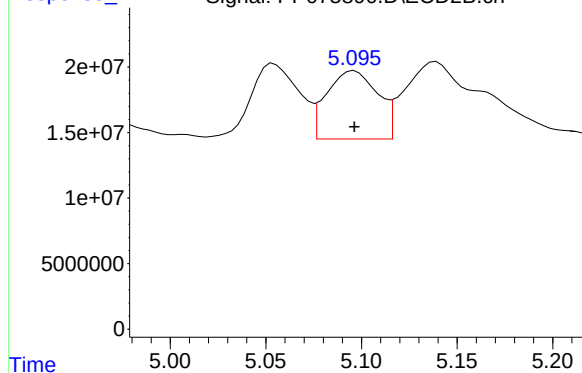
R.T.: 5.977 min
Delta R.T.: 0.000 min
Response: 23491429
Conc: 500.00 ng/ml



Time Response_ Signal: PP075890.D\ECD2B.ch

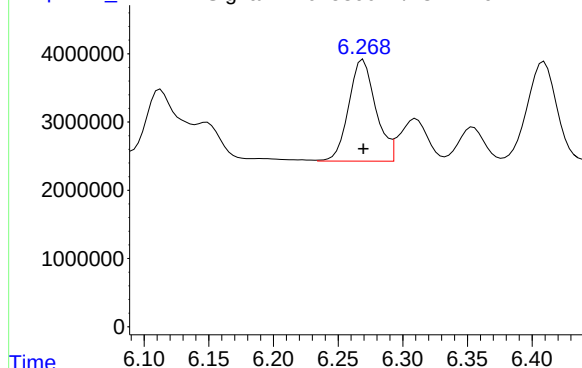
#6 AR-1016-4

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 96565055
Conc: 500.00 ng/ml



Response_ Signal: PP075890.D\ECD1A.ch

#7 AR-1016-5

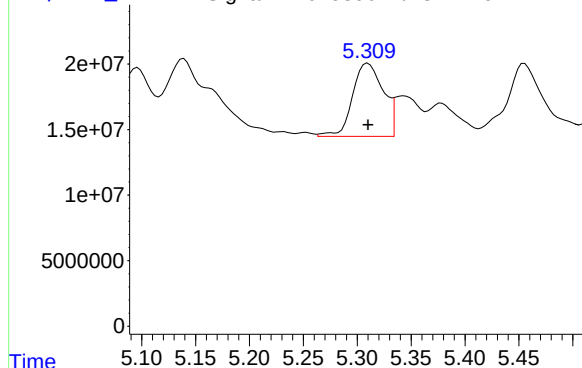


R.T.: 6.269 min
Delta R.T.: 0.000 min
Response: 21575284
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Time Response_ Signal: PP075890.D\ECD2B.ch

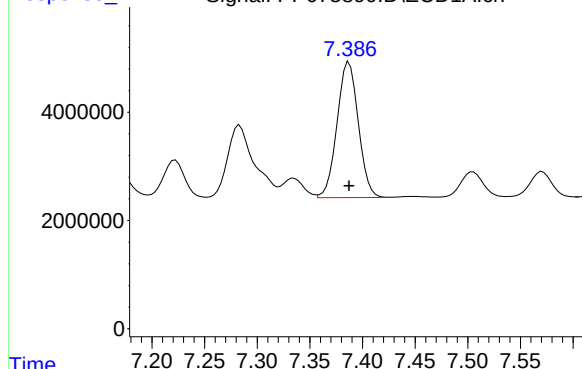
#7 AR-1016-5



R.T.: 5.310 min
Delta R.T.: 0.000 min
Response: 110632171
Conc: 500.00 ng/ml

Time Response_ Signal: PP075890.D\ECD1A.ch

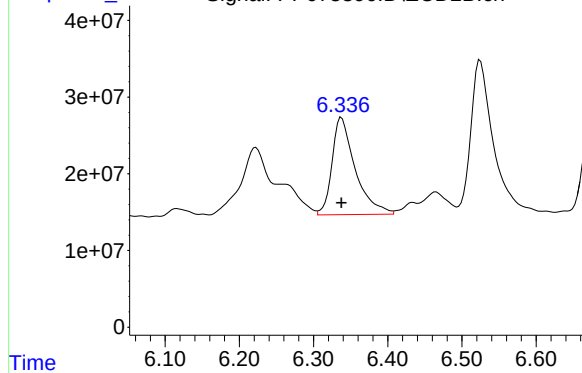
#31 AR-1260-1



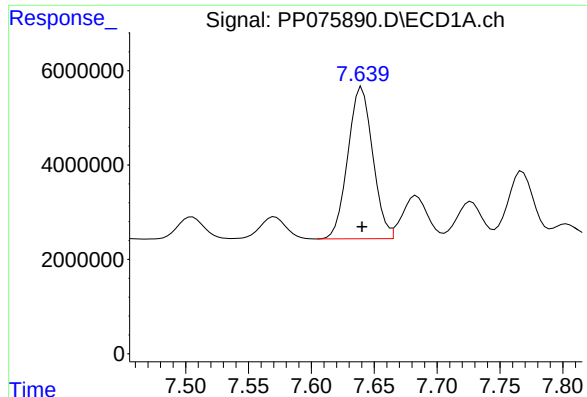
R.T.: 7.387 min
Delta R.T.: 0.000 min
Response: 35276845
Conc: 500.00 ng/ml

Time Response_ Signal: PP075890.D\ECD2B.ch

#31 AR-1260-1



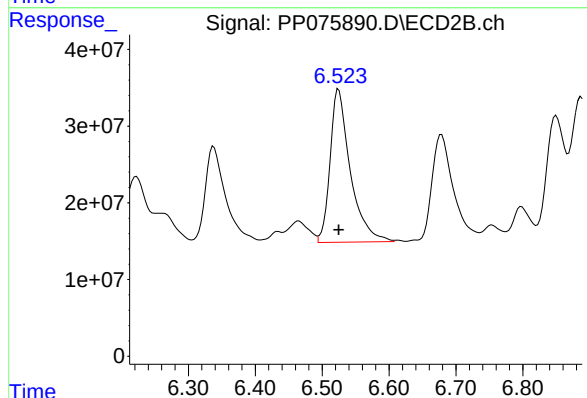
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 275761874
Conc: 500.00 ng/ml



#32 AR-1260-2

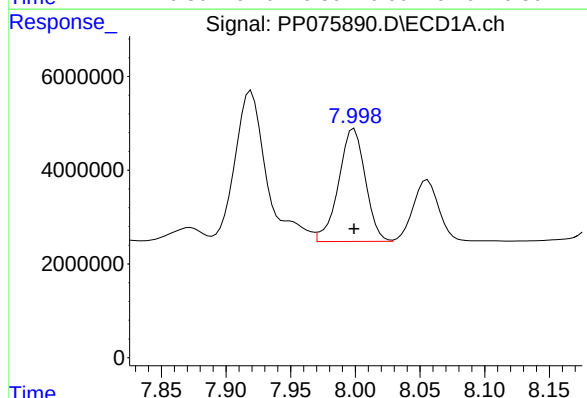
R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 44297376
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



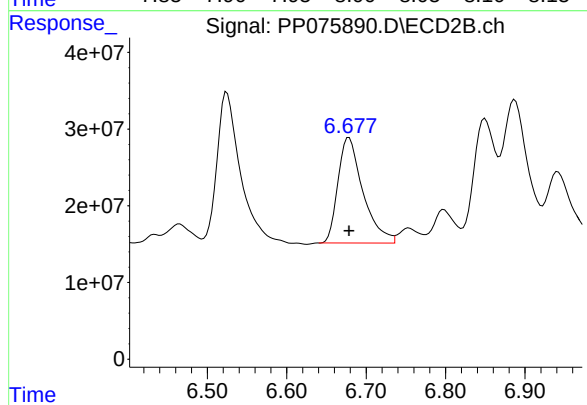
#32 AR-1260-2

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 418049672
Conc: 500.00 ng/ml



#33 AR-1260-3

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 34501640
Conc: 500.00 ng/ml

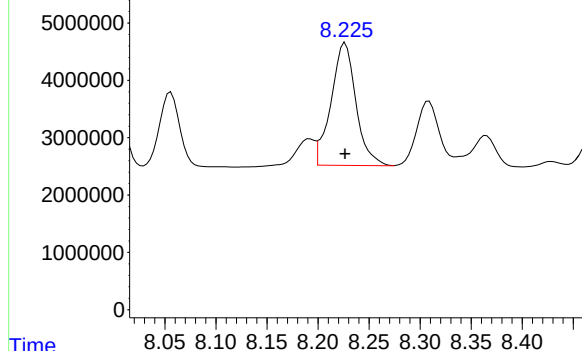


#33 AR-1260-3

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 301530921
Conc: 500.00 ng/ml

Response_ Signal: PP075890.D\ECD1A.ch

#34 AR-1260-4

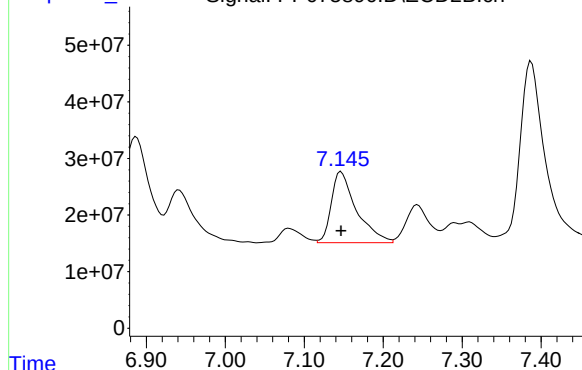


R.T.: 8.227 min
Delta R.T.: 0.000 min
Response: 36271488
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Time Response_ Signal: PP075890.D\ECD2B.ch

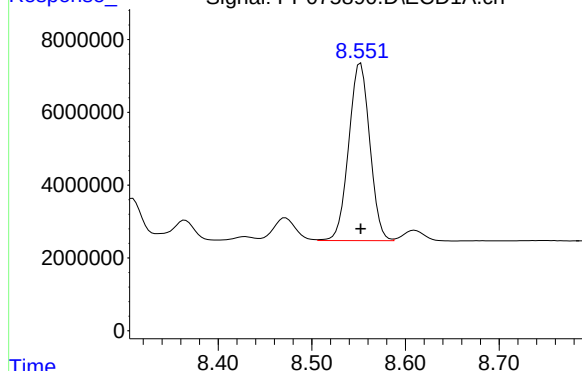
#34 AR-1260-4



R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 278154531
Conc: 500.00 ng/ml

Time Response_ Signal: PP075890.D\ECD1A.ch

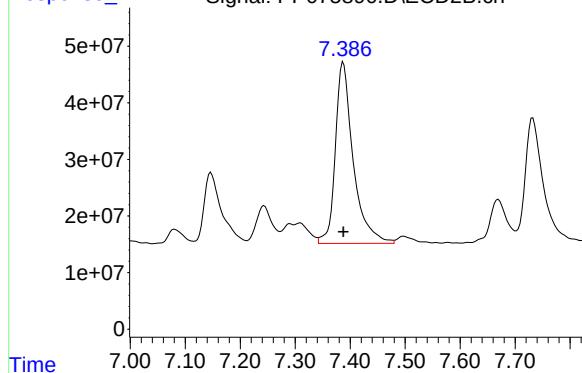
#35 AR-1260-5



R.T.: 8.552 min
Delta R.T.: 0.000 min
Response: 76226369
Conc: 500.00 ng/ml

Time Response_ Signal: PP075890.D\ECD2B.ch

#35 AR-1260-5



R.T.: 7.387 min
Delta R.T.: 0.000 min
Response: 724073181
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:54
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:27:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.645	3.784	37075524	169.0E6	25.583	24.784
2) SA Decachlor...	10.422	8.784	28447228	209.4E6	26.182	25.220
Target Compounds						
3) L1 AR-1016-1	5.798	4.879	15764214	192.2E6	268.295	257.757
4) L1 AR-1016-2	5.819	4.938	23732820	92000931	268.205	258.433
5) L1 AR-1016-3	5.882	5.057	14886118	51110889	270.868	258.889
6) L1 AR-1016-4	5.979	5.098	12136196	50910953	266.787	261.815
7) L1 AR-1016-5	6.272	5.311	11195531	62484223	265.950	278.799
31) L7 AR-1260-1	7.390	6.340	18525045	137.5E6	267.300	253.727
32) L7 AR-1260-2	7.643	6.526	23496784	210.3E6	269.643	251.752
33) L7 AR-1260-3	8.001	6.680	18178927	148.9E6	265.157	252.205
34) L7 AR-1260-4	8.229	7.150	18638279	133.3E6	263.200	241.399
35) L7 AR-1260-5	8.554	7.389	38759842	344.9E6	261.402	239.232

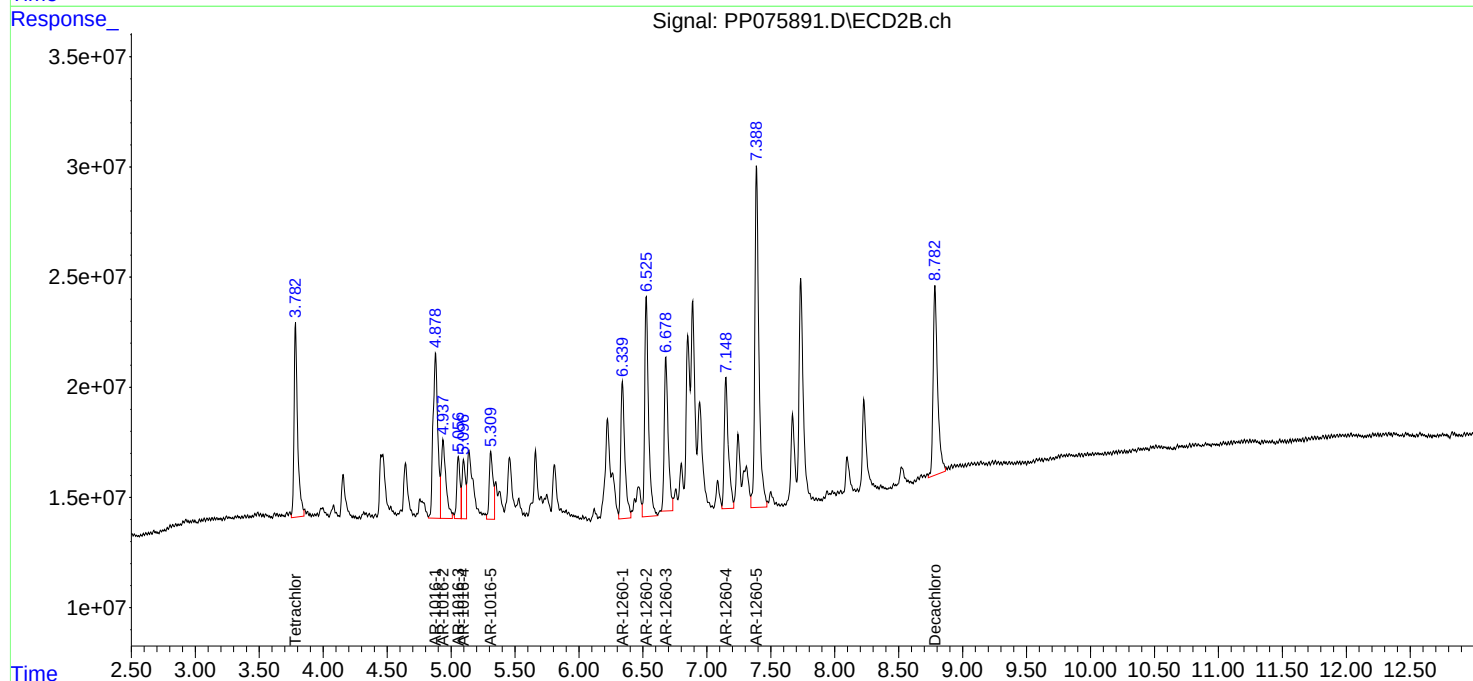
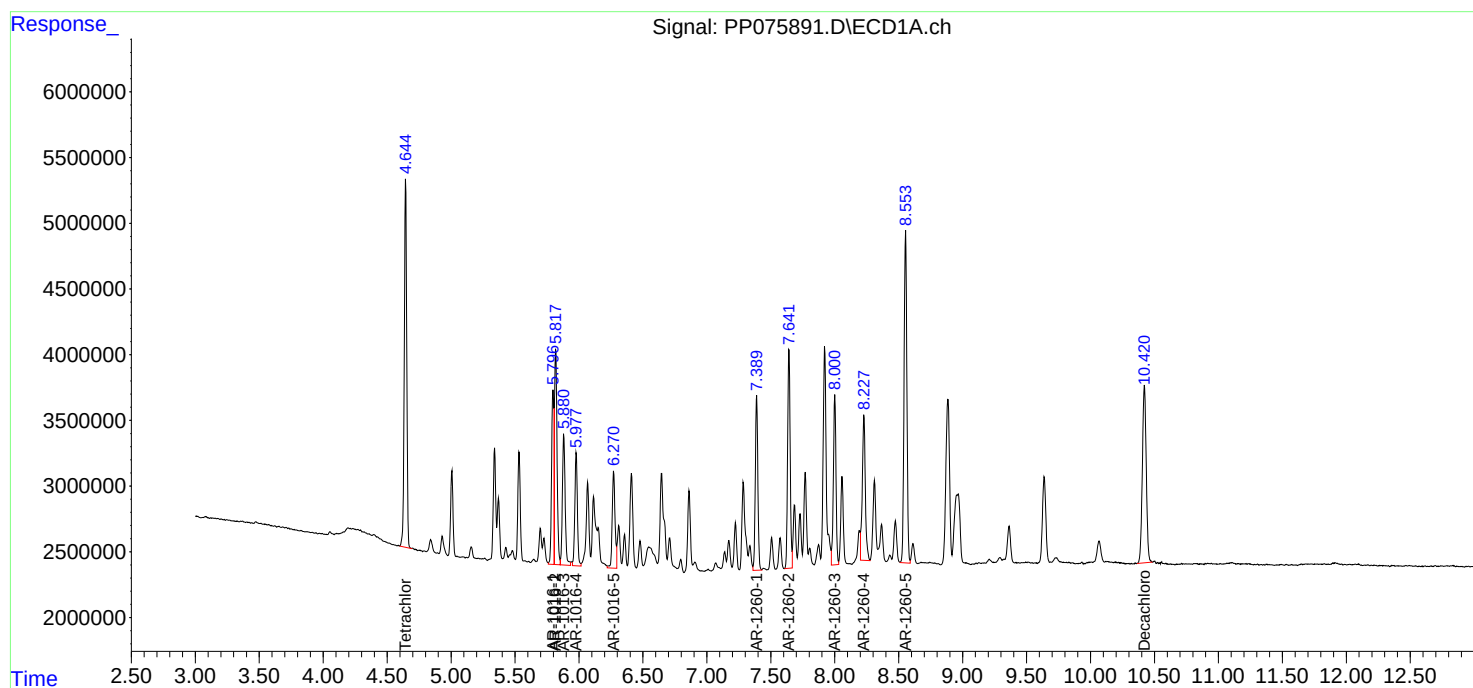
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

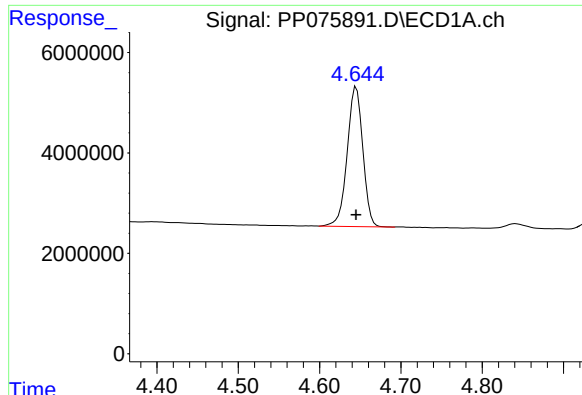
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 09:54
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:27:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

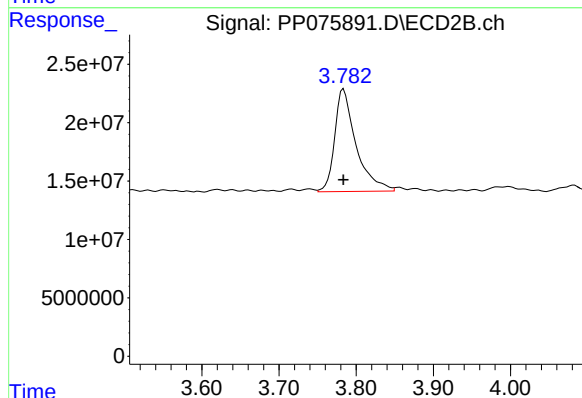




#1 Tetrachloro-m-xylene

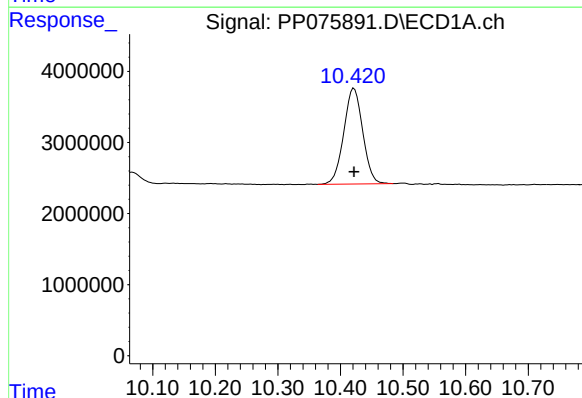
R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 37075524
Conc: 25.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



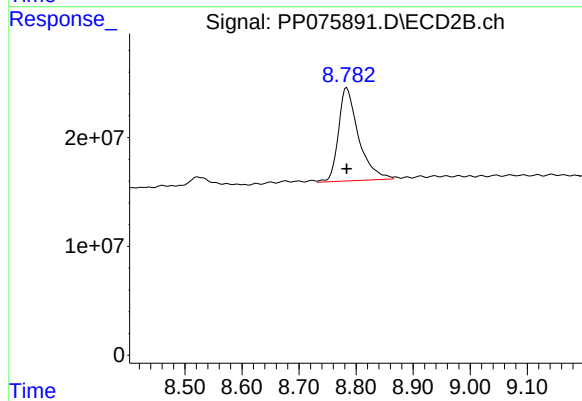
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.000 min
Response: 168955871
Conc: 24.78 ng/ml



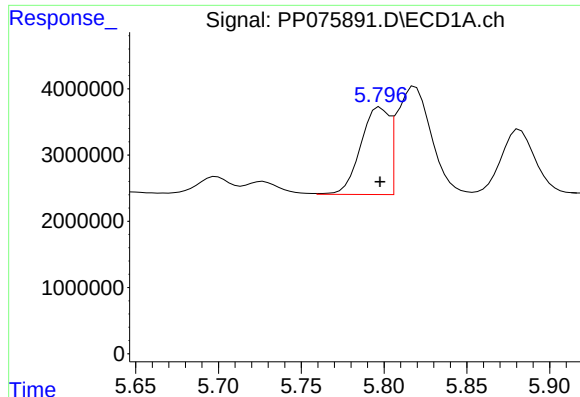
#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 28447228
Conc: 26.18 ng/ml



#2 Decachlorobiphenyl

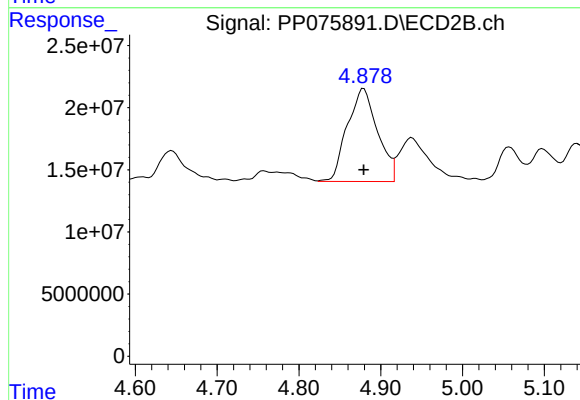
R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 209392295
Conc: 25.22 ng/ml



#3 AR-1016-1

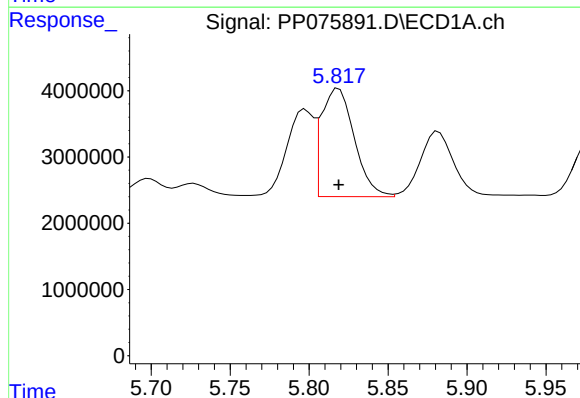
R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 15764214
Conc: 268.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



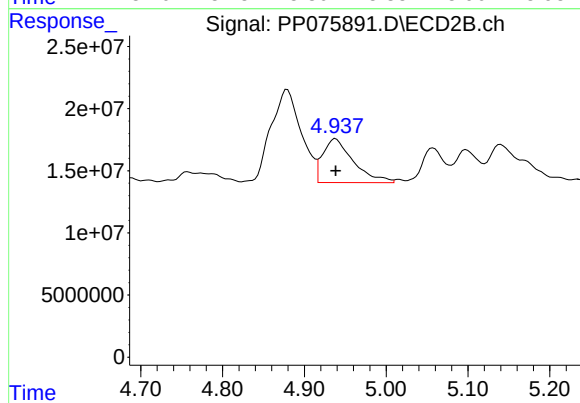
#3 AR-1016-1

R.T.: 4.879 min
Delta R.T.: 0.000 min
Response: 192203729
Conc: 257.76 ng/ml



#4 AR-1016-2

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 23732820
Conc: 268.20 ng/ml



#4 AR-1016-2

R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 92000931
Conc: 258.43 ng/ml

Response_ Signal: PP075891.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.882 min
Delta R.T.: 0.000 min
Response: 14886118
Conc: 270.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Time

Response_ Signal: PP075891.D\ECD2B.ch

#5 AR-1016-3

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 51110889
Conc: 258.89 ng/ml

Time

Response_ Signal: PP075891.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.979 min
Delta R.T.: 0.000 min
Response: 12136196
Conc: 266.79 ng/ml

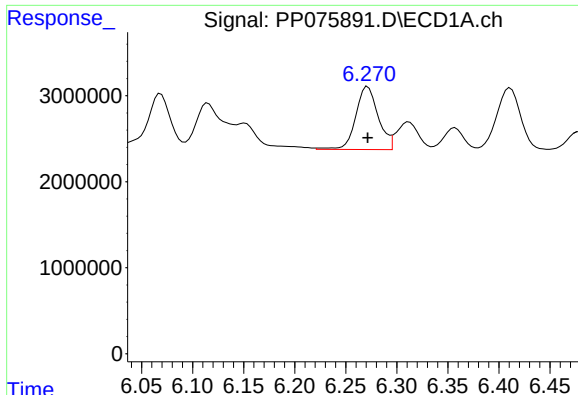
Time

Response_ Signal: PP075891.D\ECD2B.ch

#6 AR-1016-4

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 50910953
Conc: 261.82 ng/ml

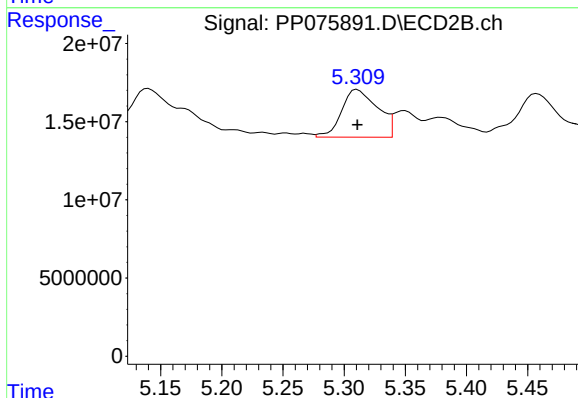
Time



#7 AR-1016-5

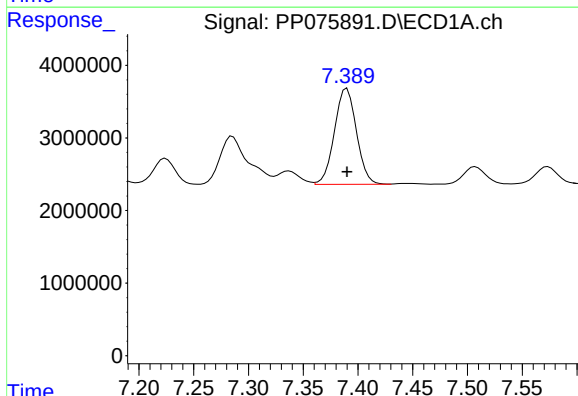
R.T.: 6.272 min
Delta R.T.: 0.000 min
Response: 11195531
Conc: 265.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



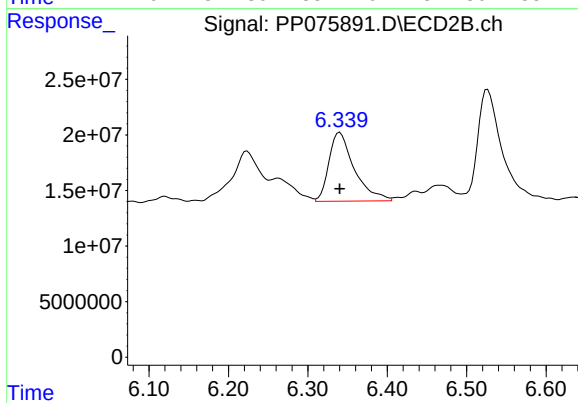
#7 AR-1016-5

R.T.: 5.311 min
Delta R.T.: 0.000 min
Response: 62484223
Conc: 278.80 ng/ml



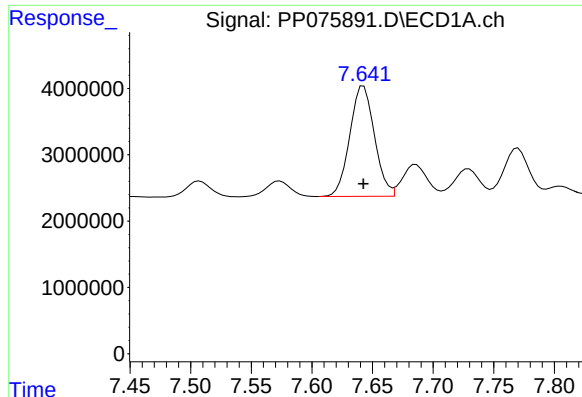
#31 AR-1260-1

R.T.: 7.390 min
Delta R.T.: 0.000 min
Response: 18525045
Conc: 267.30 ng/ml



#31 AR-1260-1

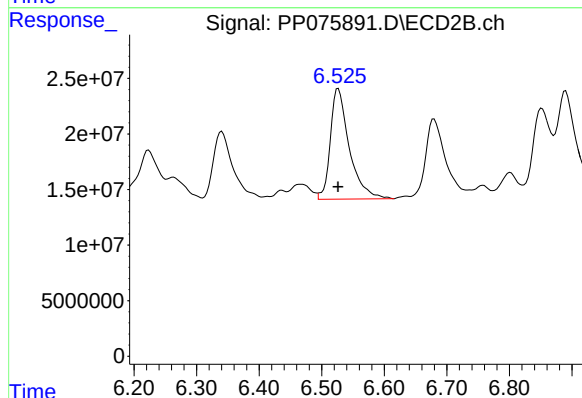
R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 137508629
Conc: 253.73 ng/ml



#32 AR-1260-2

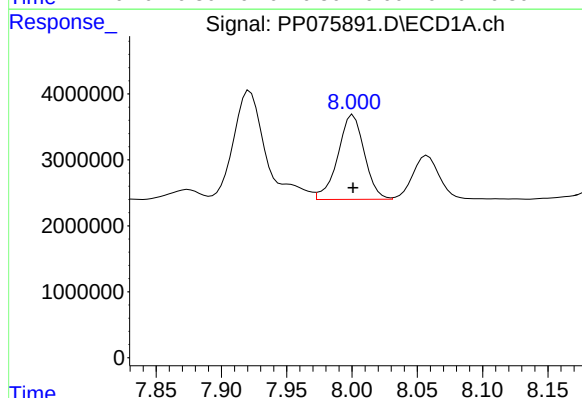
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 23496784
Conc: 269.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



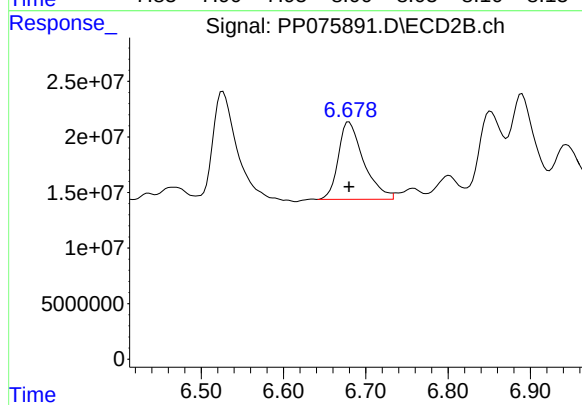
#32 AR-1260-2

R.T.: 6.526 min
Delta R.T.: 0.000 min
Response: 210292498
Conc: 251.75 ng/ml



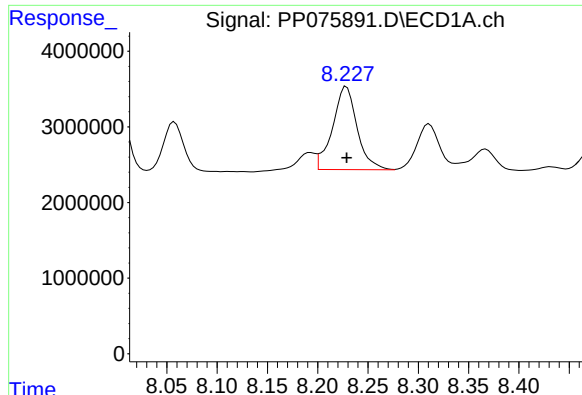
#33 AR-1260-3

R.T.: 8.001 min
Delta R.T.: 0.000 min
Response: 18178927
Conc: 265.16 ng/ml



#33 AR-1260-3

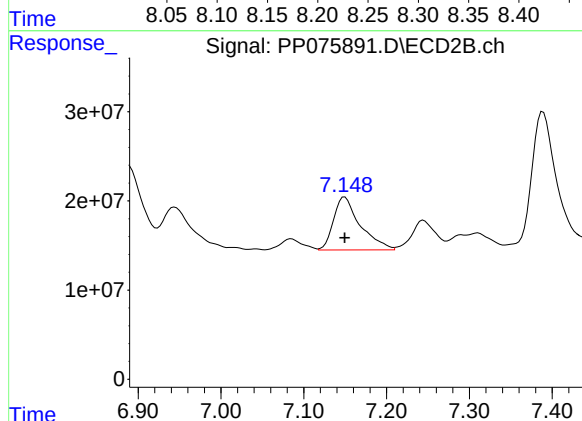
R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 148916878
Conc: 252.21 ng/ml



#34 AR-1260-4

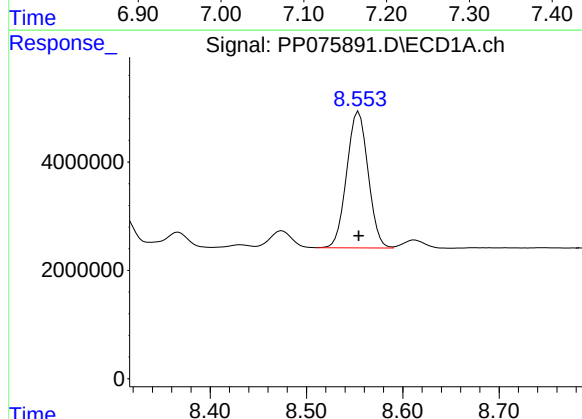
R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 18638279
Conc: 263.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



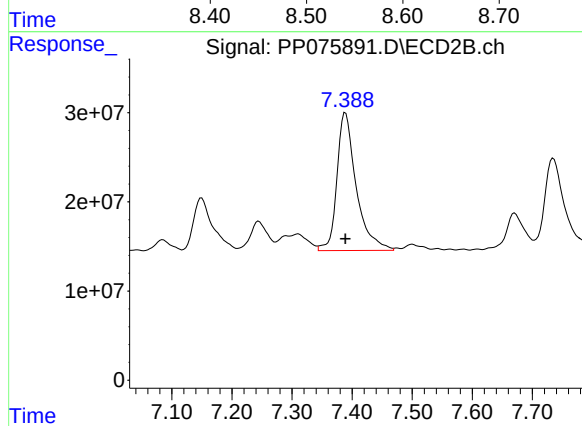
#34 AR-1260-4

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 133338171
Conc: 241.40 ng/ml



#35 AR-1260-5

R.T.: 8.554 min
Delta R.T.: 0.000 min
Response: 38759842
Conc: 261.40 ng/ml



#35 AR-1260-5

R.T.: 7.389 min
Delta R.T.: 0.000 min
Response: 344869131
Conc: 239.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075892.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 10:11
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 17:33:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 17:14:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.645	3.781	6742686	29112438	4.718	4.278m
2) SA Decachlor...	10.422	8.783	5182617	39519966	4.814	4.806
Target Compounds						
3) L1 AR-1016-1	5.798	4.880	3030132	35907453	51.249	48.512
4) L1 AR-1016-2	5.819	4.943	4413506	14284050	49.902	41.774
5) L1 AR-1016-3	5.880	5.052	2846330	11850858	50.609m	58.316m
6) L1 AR-1016-4	5.978	5.094	2262026	7830620	48.653m	41.996m
7) L1 AR-1016-5	6.272	5.308	2432108	12171962	56.032	53.433m
31) L7 AR-1260-1	7.390	6.339	3328272	28532945	48.407	52.096
32) L7 AR-1260-2	7.643	6.528	4966284	36370402	55.441	44.696
33) L7 AR-1260-3	8.001	6.681	3609827	22597431	52.100	40.155
34) L7 AR-1260-4	8.229	7.150	2980037	19361634	43.459	37.282
35) L7 AR-1260-5	8.555	7.388	7332547	50574953	49.560	37.309

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 10:11
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

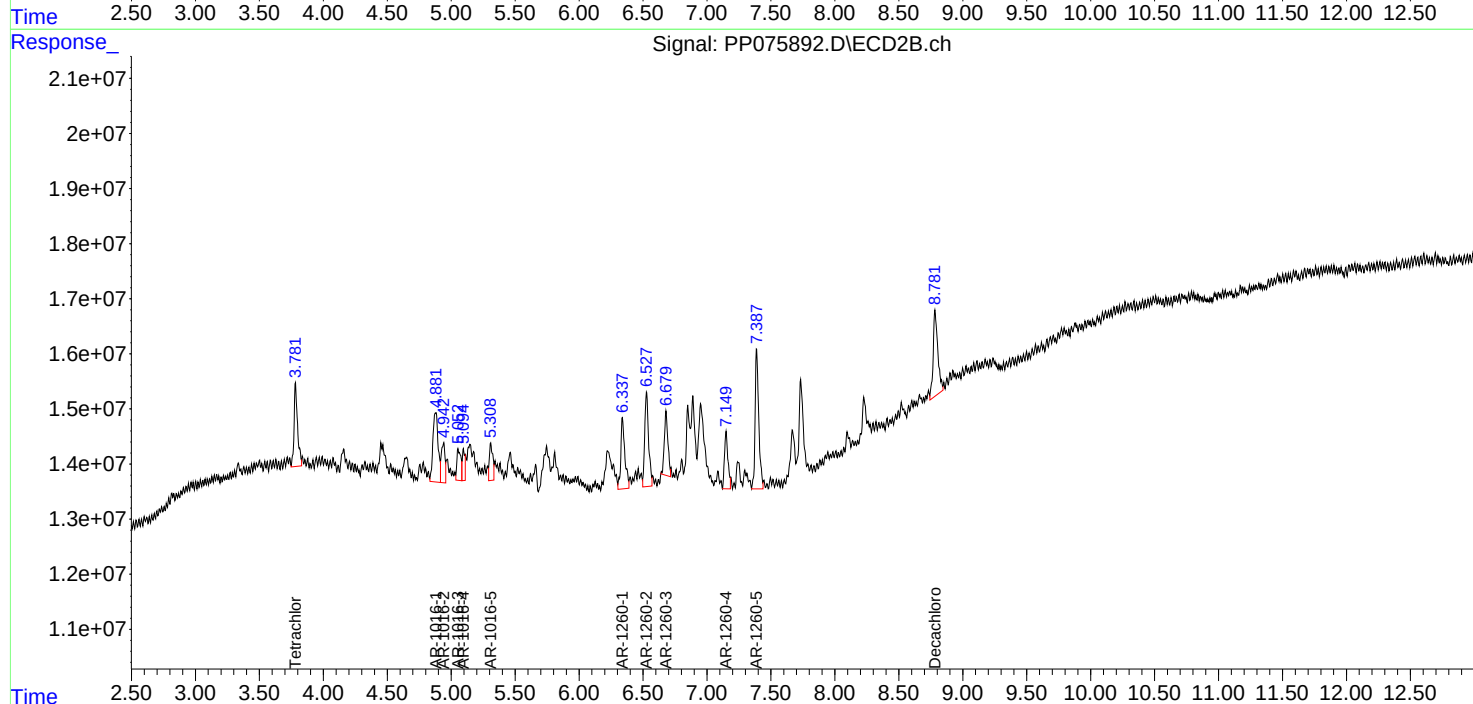
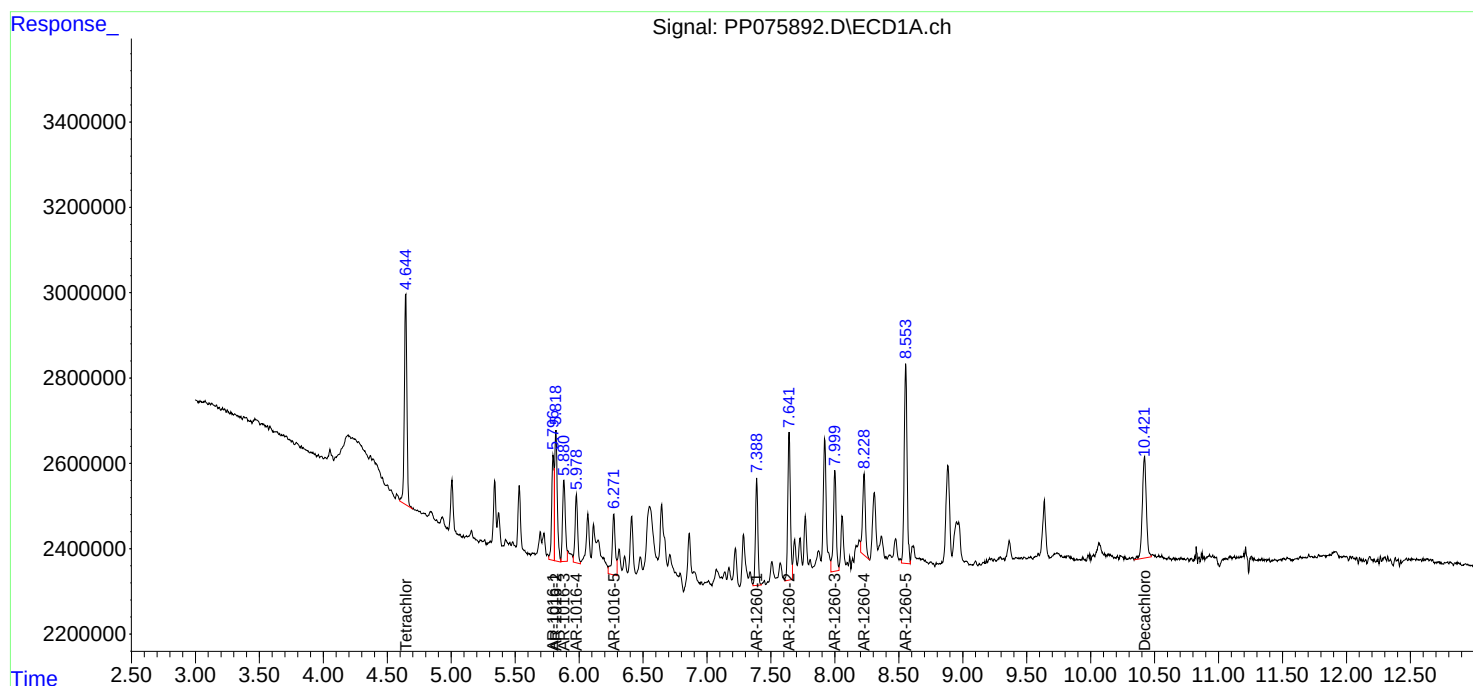
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

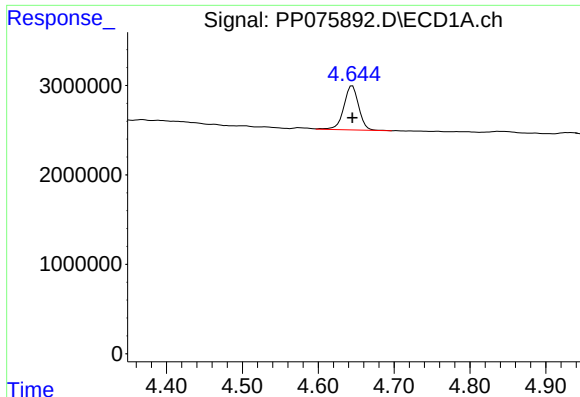
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:33:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:14:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 6742686
Conc: 4.72 ng/ml

Instrument :

ECD_P

ClientSampleId :

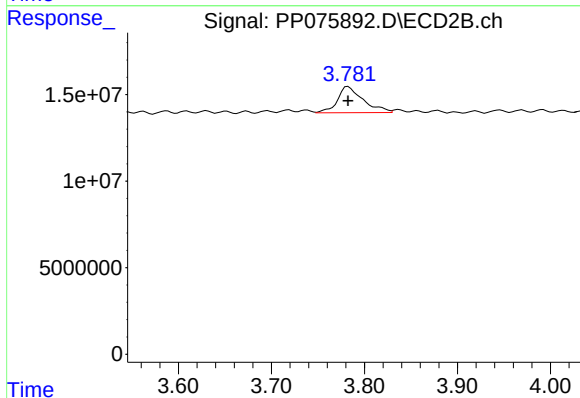
AR1660ICC050

Manual Integrations

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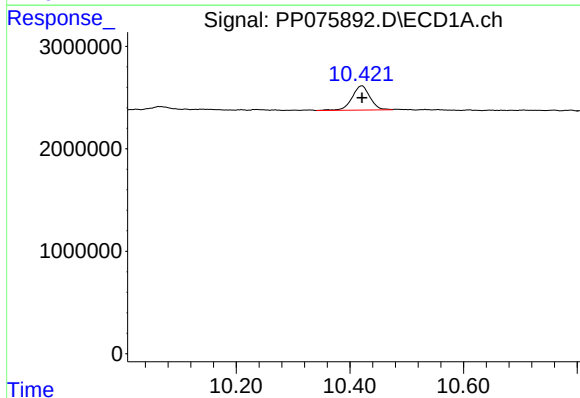
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025



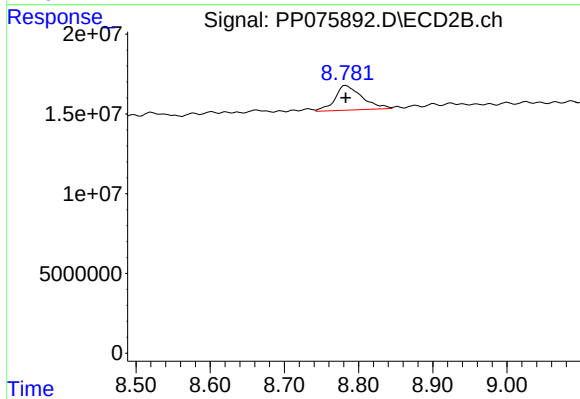
#1 Tetrachloro-m-xylene

R.T.: 3.781 min
Delta R.T.: -0.002 min
Response: 29112438
Conc: 4.28 ng/ml m



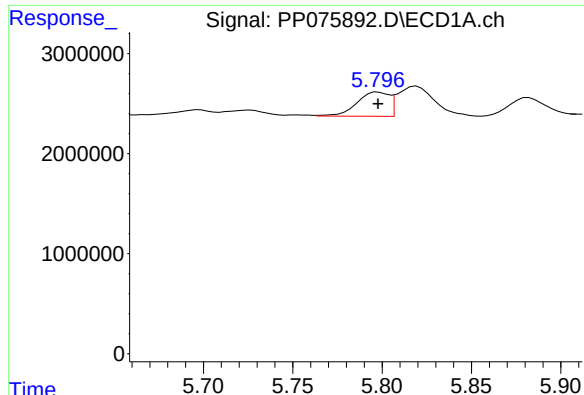
#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 5182617
Conc: 4.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.783 min
Delta R.T.: 0.000 min
Response: 39519966
Conc: 4.81 ng/ml



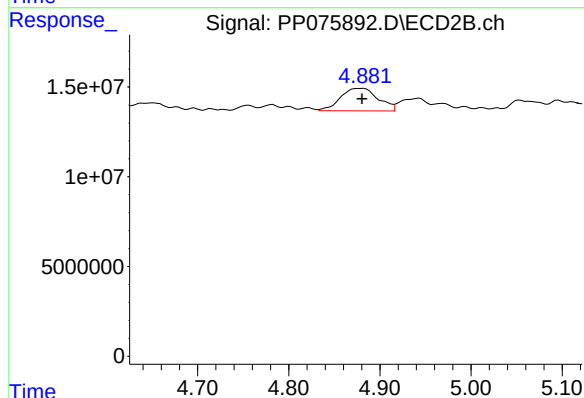
#3 AR-1016-1

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 3030132
Conc: 51.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

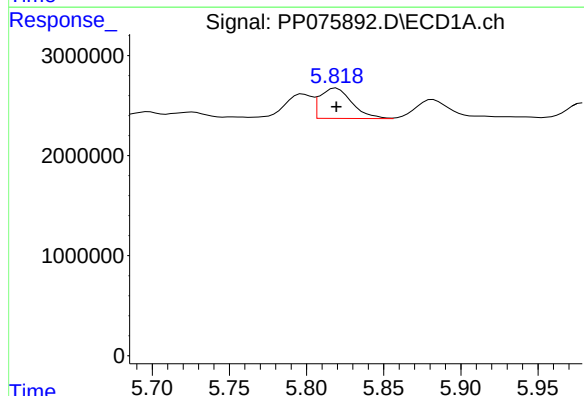
Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



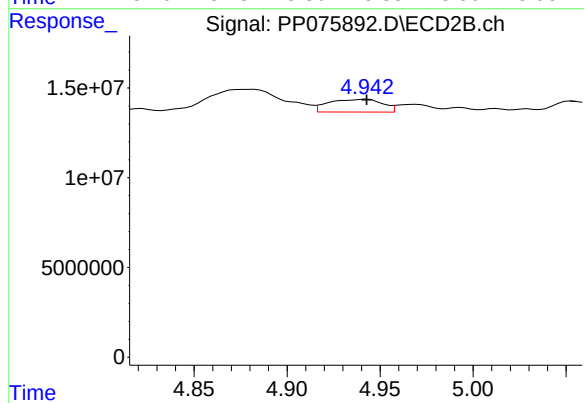
#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.000 min
Response: 35907453
Conc: 48.51 ng/ml



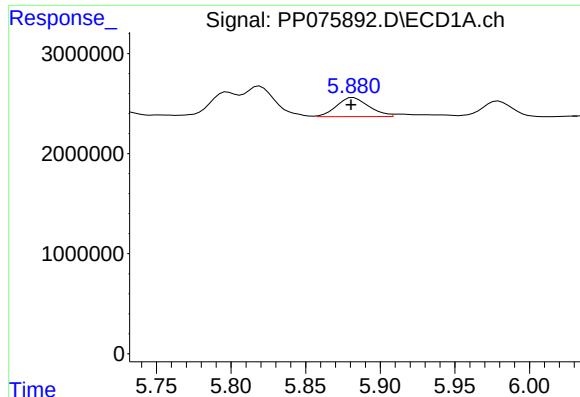
#4 AR-1016-2

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 4413506
Conc: 49.90 ng/ml



#4 AR-1016-2

R.T.: 4.943 min
Delta R.T.: 0.000 min
Response: 14284050
Conc: 41.77 ng/ml



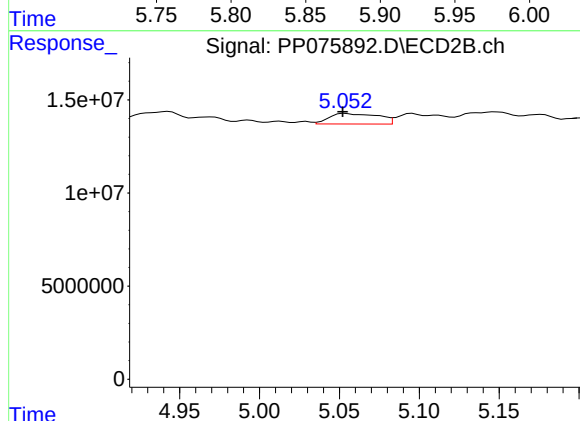
#5 AR-1016-3

R.T.: 5.880 min
Delta R.T.: 0.000 min
Response: 2846330
Conc: 50.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

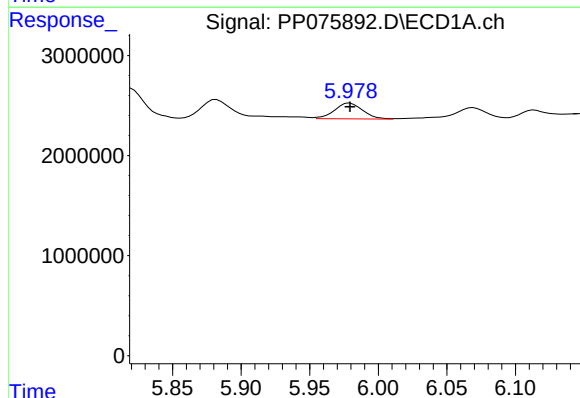
Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



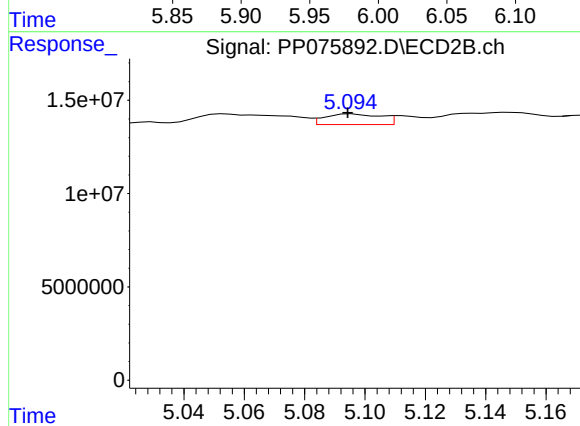
#5 AR-1016-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 11850858
Conc: 58.32 ng/ml m



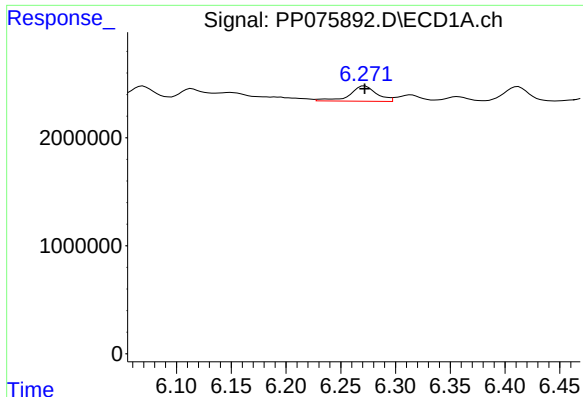
#6 AR-1016-4

R.T.: 5.978 min
Delta R.T.: -0.001 min
Response: 2262026
Conc: 48.65 ng/ml m



#6 AR-1016-4

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 7830620
Conc: 42.00 ng/ml m



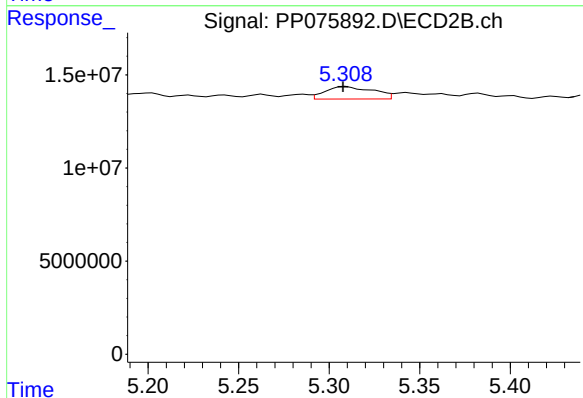
#7 AR-1016-5

R.T.: 6.272 min
Delta R.T.: 0.000 min
Response: 2432108
Conc: 56.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

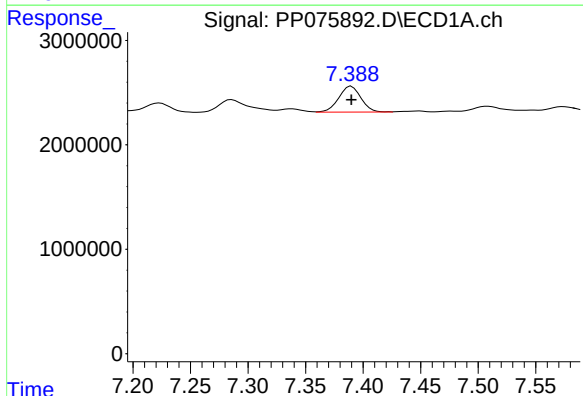
Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



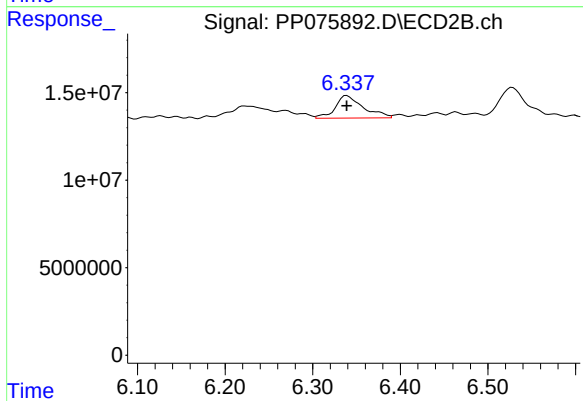
#7 AR-1016-5

R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 12171962
Conc: 53.43 ng/ml m



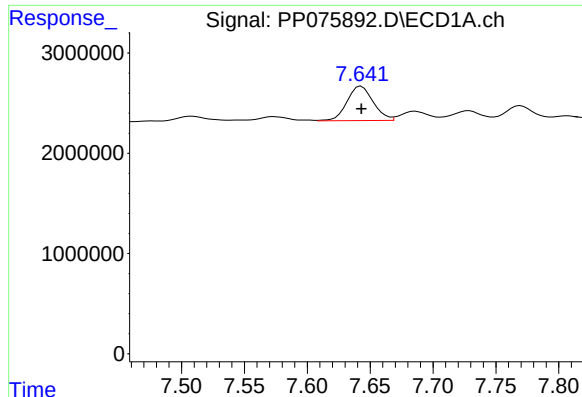
#31 AR-1260-1

R.T.: 7.390 min
Delta R.T.: 0.000 min
Response: 3328272
Conc: 48.41 ng/ml



#31 AR-1260-1

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 28532945
Conc: 52.10 ng/ml



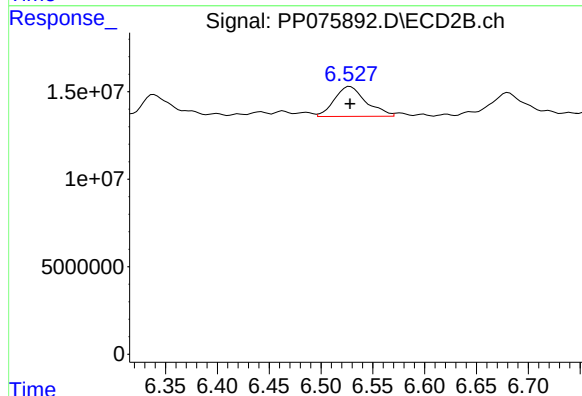
#32 AR-1260-2

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 4966284
Conc: 55.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

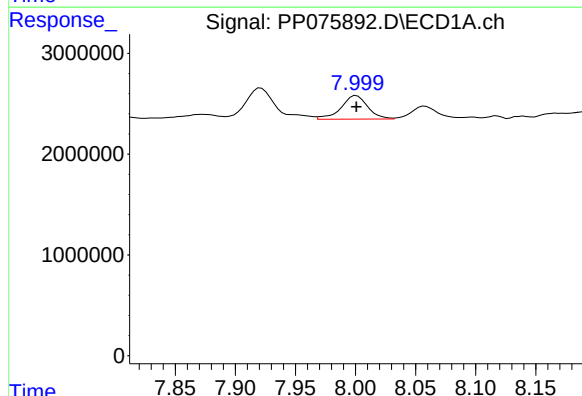
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



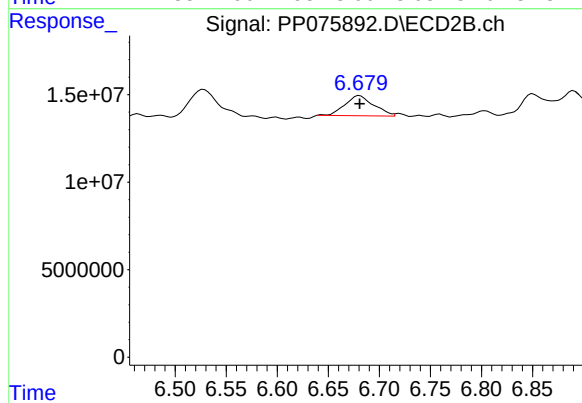
#32 AR-1260-2

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 36370402
Conc: 44.70 ng/ml



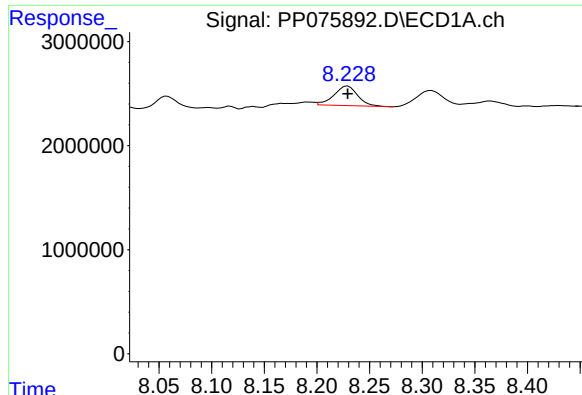
#33 AR-1260-3

R.T.: 8.001 min
Delta R.T.: 0.000 min
Response: 3609827
Conc: 52.10 ng/ml



#33 AR-1260-3

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 22597431
Conc: 40.15 ng/ml



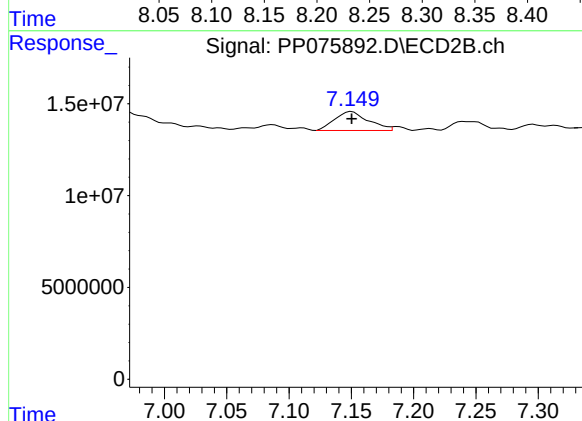
#34 AR-1260-4

R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 2980037
Conc: 43.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

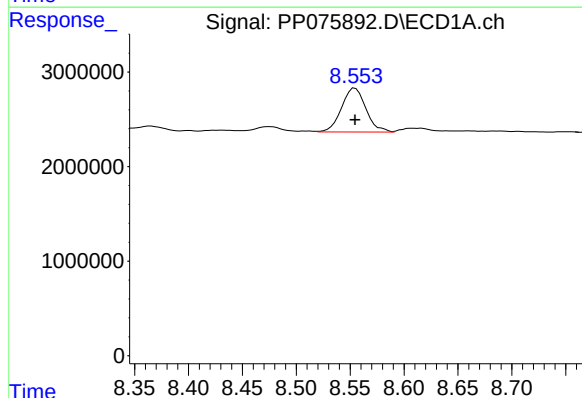
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



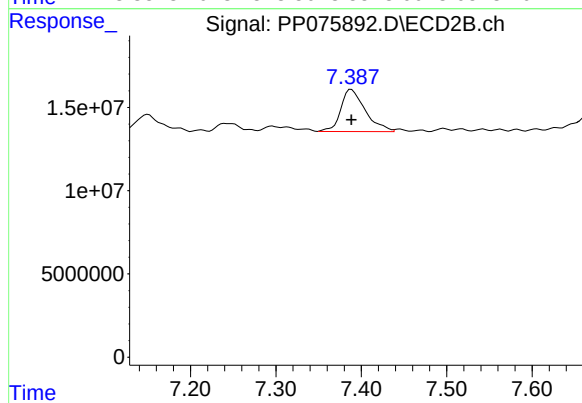
#34 AR-1260-4

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 19361634
Conc: 37.28 ng/ml



#35 AR-1260-5

R.T.: 8.555 min
Delta R.T.: 0.000 min
Response: 7332547
Conc: 49.56 ng/ml



#35 AR-1260-5

R.T.: 7.388 min
Delta R.T.: 0.000 min
Response: 50574953
Conc: 37.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 10:27
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:37:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:37:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.643	3.782	75268417	347.9E6	50.000	50.000
2) SA Decachlor...	10.419	8.781	55765598	413.6E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.843	3.993	10088314	45004530	500.000	500.000
9) L2 AR-1221-2	4.929	4.076	7530715	31588869	500.000	500.000
10) L2 AR-1221-3	5.005	4.154	23457783	106.0E6	500.000	500.000

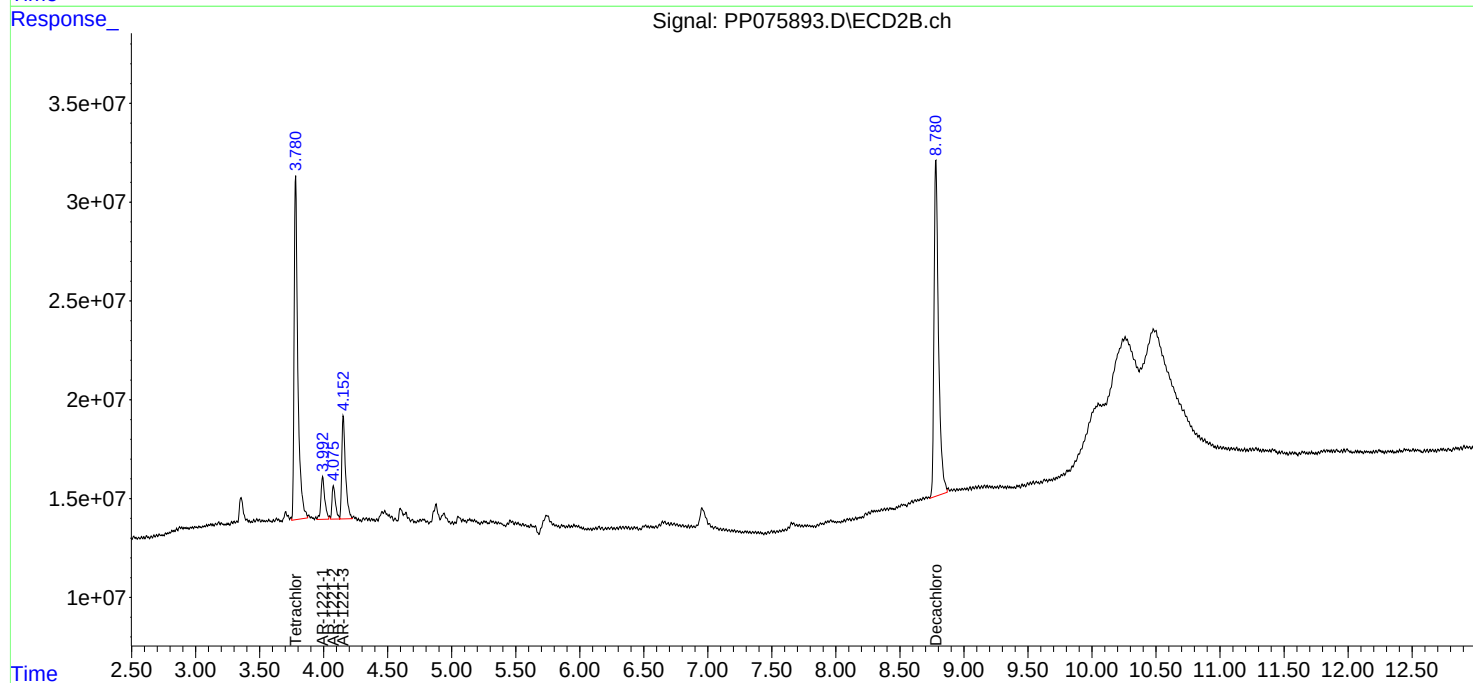
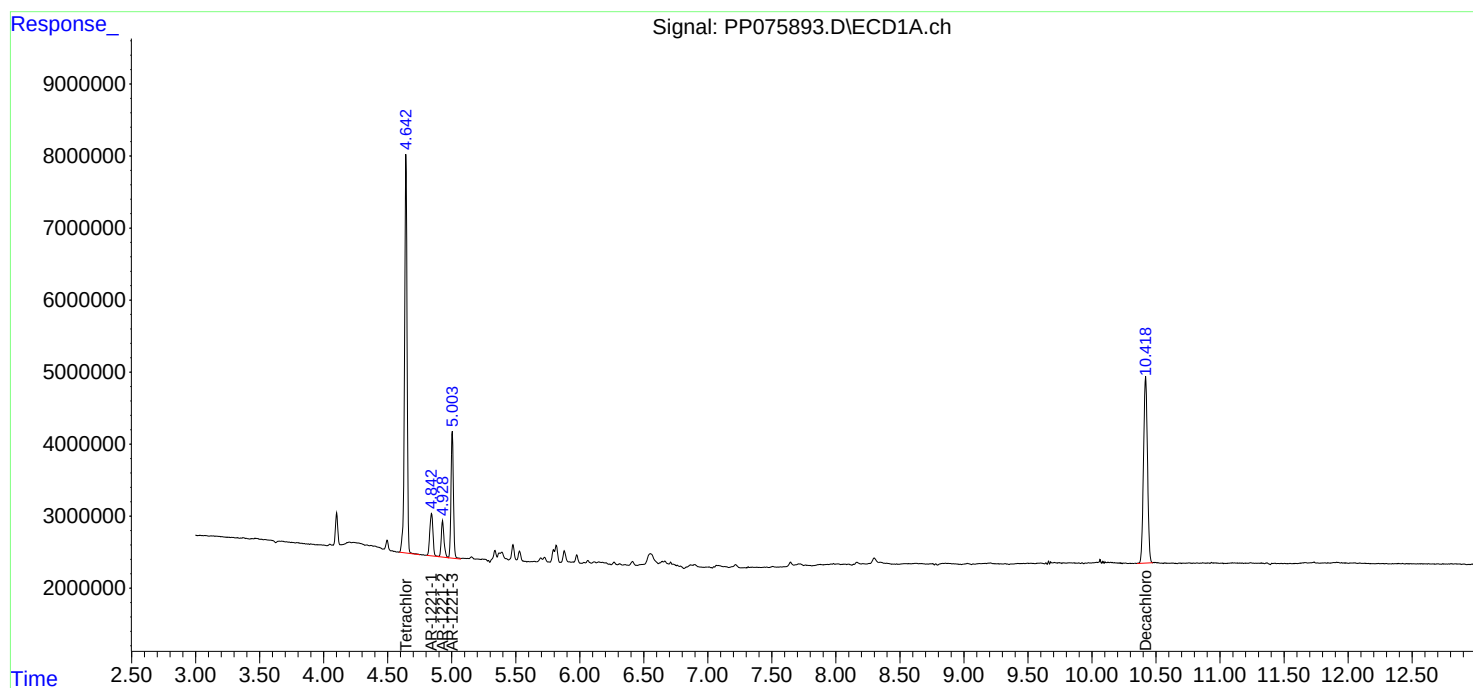
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 10:27
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

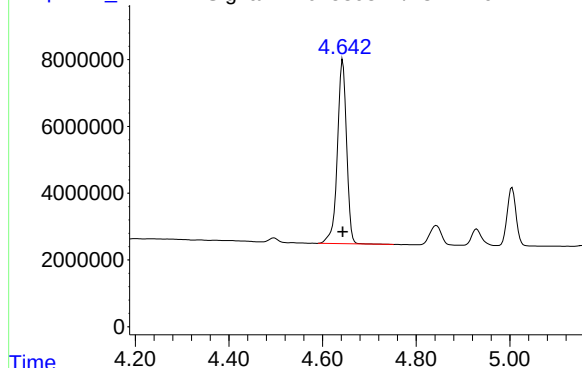
Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:37:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:37:41 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: PP075893.D\ECD1A.ch

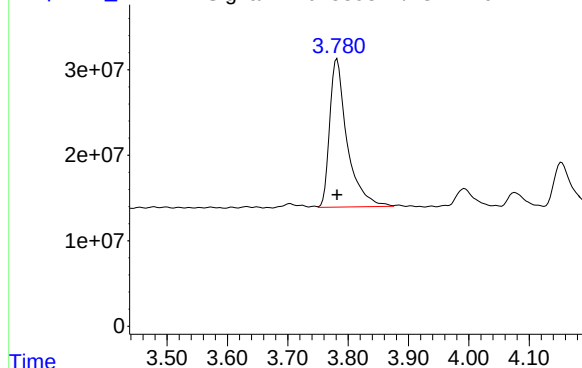


#1 Tetrachloro-m-xylene

R.T.: 4.643 min
Delta R.T.: 0.000 min
Response: 75268417
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

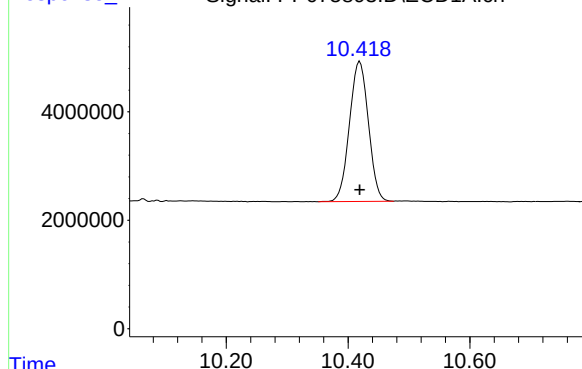
Response_ Signal: PP075893.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.782 min
Delta R.T.: 0.000 min
Response: 347933010
Conc: 50.00 ng/ml

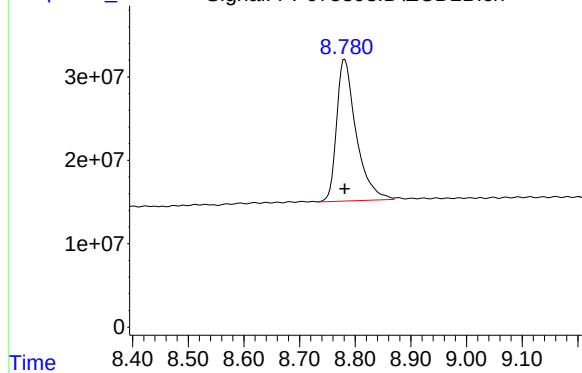
Response_ Signal: PP075893.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.419 min
Delta R.T.: 0.000 min
Response: 55765598
Conc: 50.00 ng/ml

Response_ Signal: PP075893.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.781 min
Delta R.T.: 0.000 min
Response: 413624380
Conc: 50.00 ng/ml

Response_ Signal: PP075893.D\ECD1A.ch

#8 AR-1221-1

R.T.: 4.843 min
Delta R.T.: 0.000 min
Response: 10088314
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Time

Response_ Signal: PP075893.D\ECD2B.ch

#8 AR-1221-1

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 45004530
Conc: 500.00 ng/ml

Time

Response_ Signal: PP075893.D\ECD1A.ch

#9 AR-1221-2

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 7530715
Conc: 500.00 ng/ml

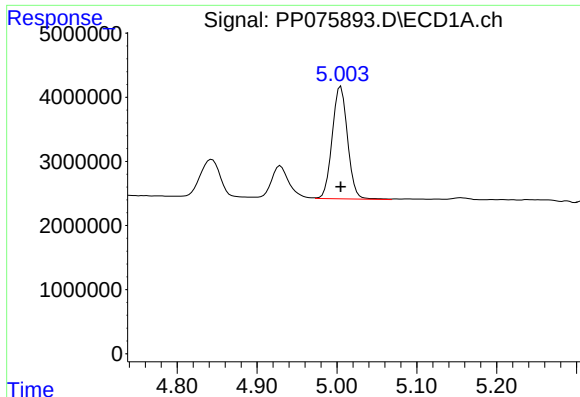
Time

Response_ Signal: PP075893.D\ECD2B.ch

#9 AR-1221-2

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 31588869
Conc: 500.00 ng/ml

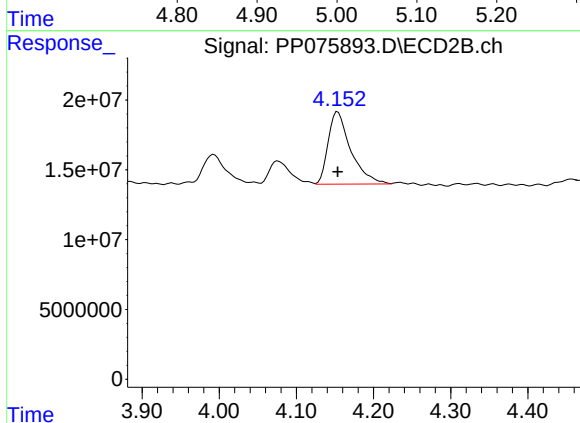
Time



#10 AR-1221-3

R.T.: 5.005 min
Delta R.T.: 0.000 min
Response: 23457783
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500



#10 AR-1221-3

R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 106017943
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 10:43
 Operator : YP\AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 16:45:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 16:45:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.644	3.783	76762692	367.2E6	50.000	50.000
2) SA Decachlor...	10.418	8.783	57573853	421.9E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	5.006	4.154	19657396	84022049	500.000	500.000
12) L3 AR-1232-2	5.532	4.877	10313847	148.8E6	500.000	500.000
13) L3 AR-1232-3	5.818	5.056	19319843	40883369	500.000	500.000
14) L3 AR-1232-4	5.978	5.136	10086255	42471740	500.000	480.688m
15) L3 AR-1232-5	6.068	5.311	7831441	50325540	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 10:43
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1232ICC500

Manual Integrations

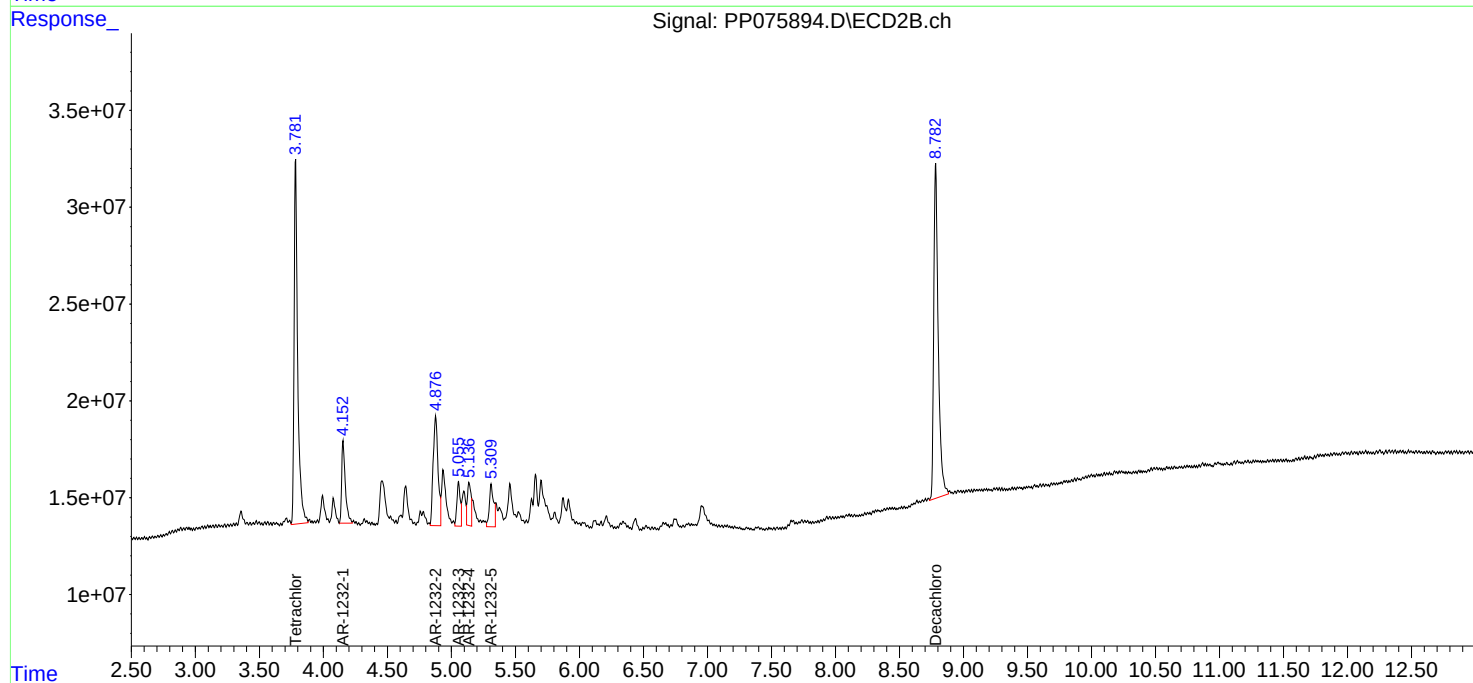
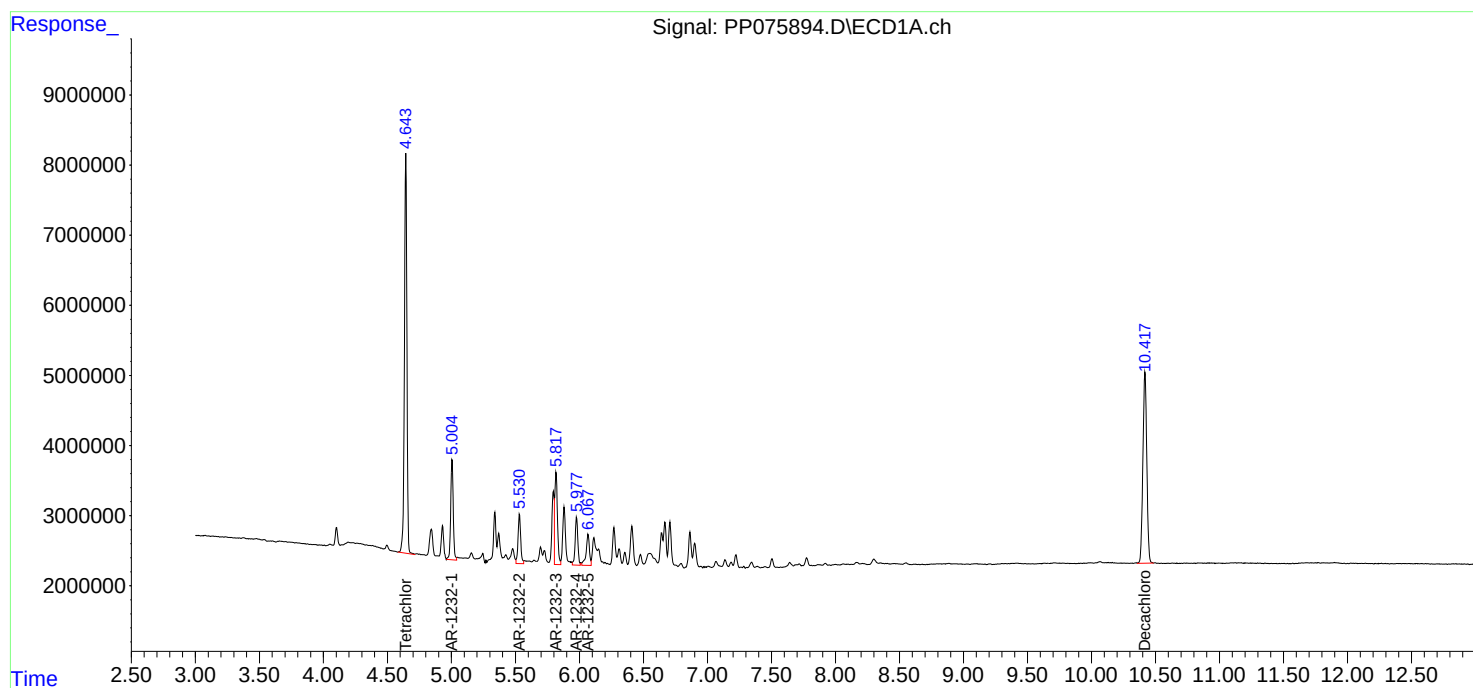
APPROVED

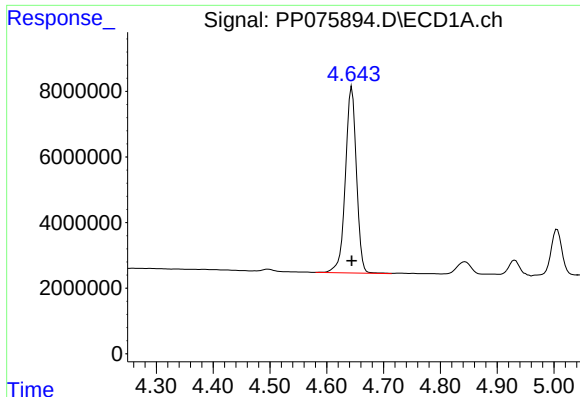
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:45:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:45:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 4.644 min
Delta R.T.: 0.000 min
Response: 76762692
Conc: 50.00 ng/ml

Instrument :

ECD_P

ClientSampleId :

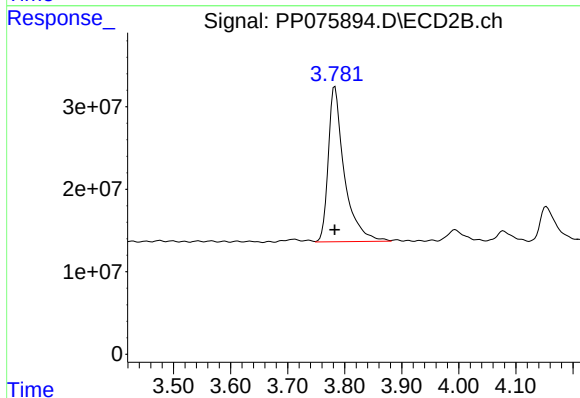
AR1232ICC500

Manual Integrations

APPROVED

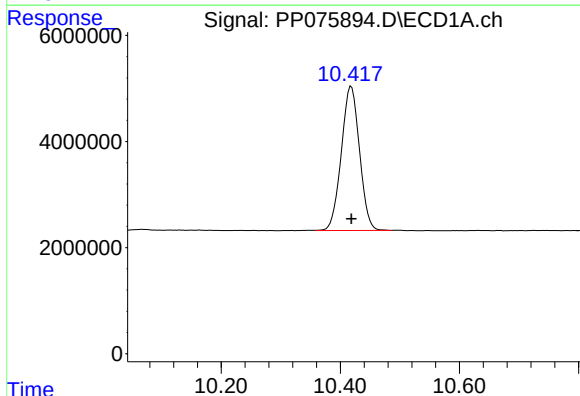
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025



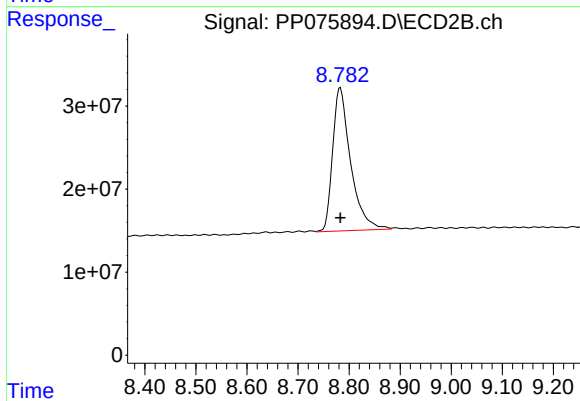
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.000 min
Response: 367179620
Conc: 50.00 ng/ml



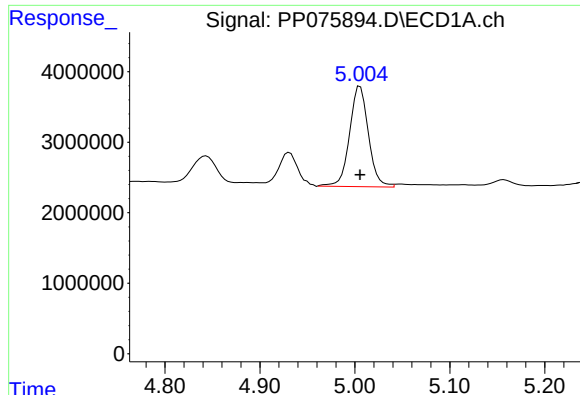
#2 Decachlorobiphenyl

R.T.: 10.418 min
Delta R.T.: 0.000 min
Response: 57573853
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.783 min
Delta R.T.: 0.000 min
Response: 421908476
Conc: 50.00 ng/ml



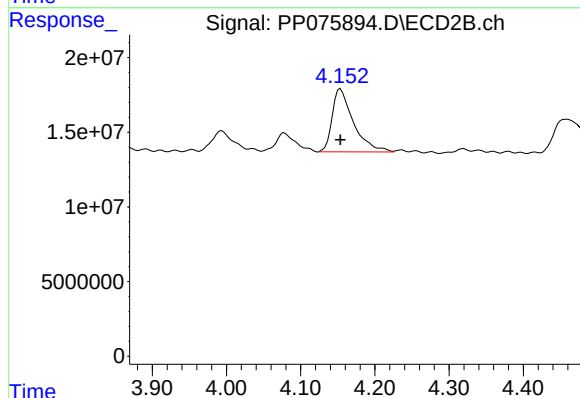
#11 AR-1232-1

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 19657396
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

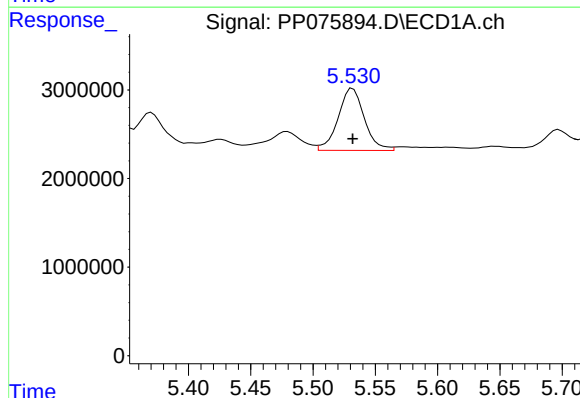
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



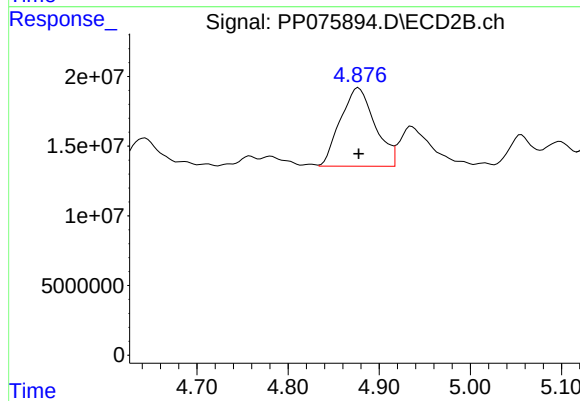
#11 AR-1232-1

R.T.: 4.154 min
Delta R.T.: 0.000 min
Response: 84022049
Conc: 500.00 ng/ml



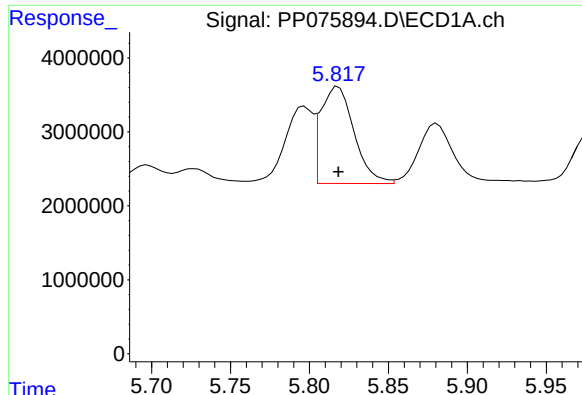
#12 AR-1232-2

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 10313847
Conc: 500.00 ng/ml



#12 AR-1232-2

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 148757988
Conc: 500.00 ng/ml



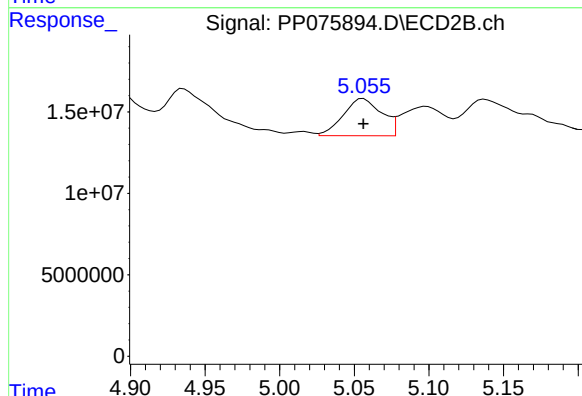
#13 AR-1232-3

R.T.: 5.818 min
Delta R.T.: 0.000 min
Response: 19319843
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

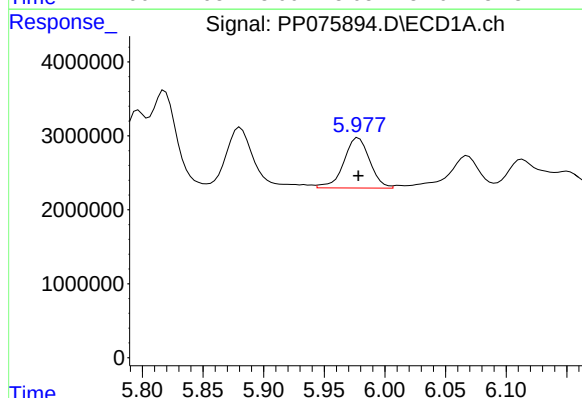
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



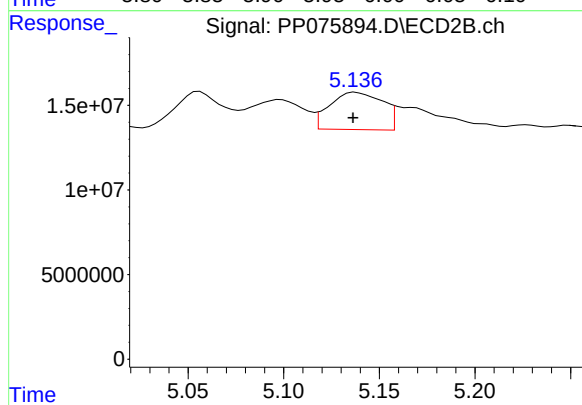
#13 AR-1232-3

R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 40883369
Conc: 500.00 ng/ml



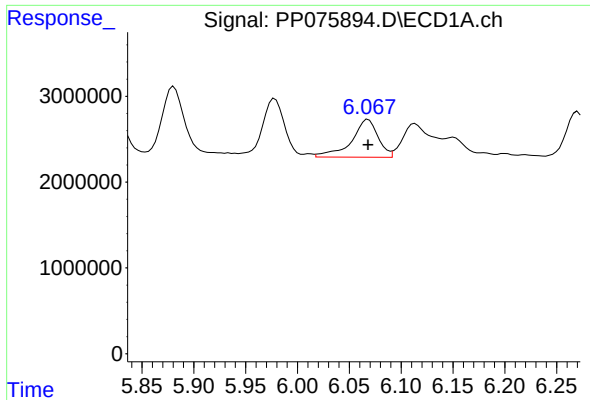
#14 AR-1232-4

R.T.: 5.978 min
Delta R.T.: 0.000 min
Response: 10086255
Conc: 500.00 ng/ml



#14 AR-1232-4

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 42471740
Conc: 480.69 ng/ml m



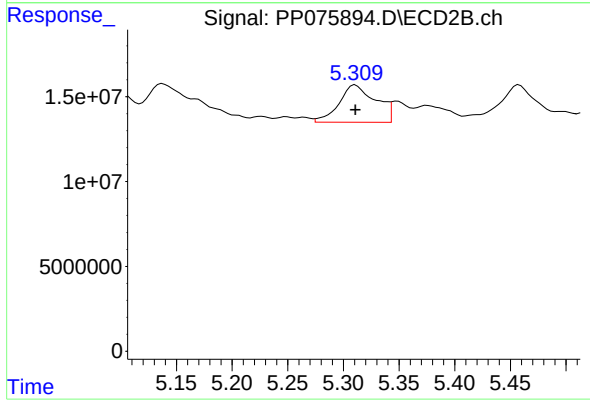
#15 AR-1232-5

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 7831441
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#15 AR-1232-5

R.T.: 5.311 min
Delta R.T.: 0.000 min
Response: 50325540
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075895.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 10:59
 Operator : YP\AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC1000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 16:57:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 16:53:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.784	146.7E6	755.6E6	97.370	101.273
2) SA Decachlor...	10.422	8.784	113.6E6	890.5E6	95.988	98.950
Target Compounds						
16) L4 AR-1242-1	5.799	4.880	44019933	571.1E6	960.145	977.263
17) L4 AR-1242-2	5.820	4.938	64942800	271.6E6	955.587	968.789
18) L4 AR-1242-3	5.882	5.058	40140584	148.4E6	947.491	955.722
19) L4 AR-1242-4	5.980	5.140	33543618	195.3E6	958.879	946.968m
20) L4 AR-1242-5	6.710	5.660	36405140	229.6E6	929.963	969.155

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 10:59
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

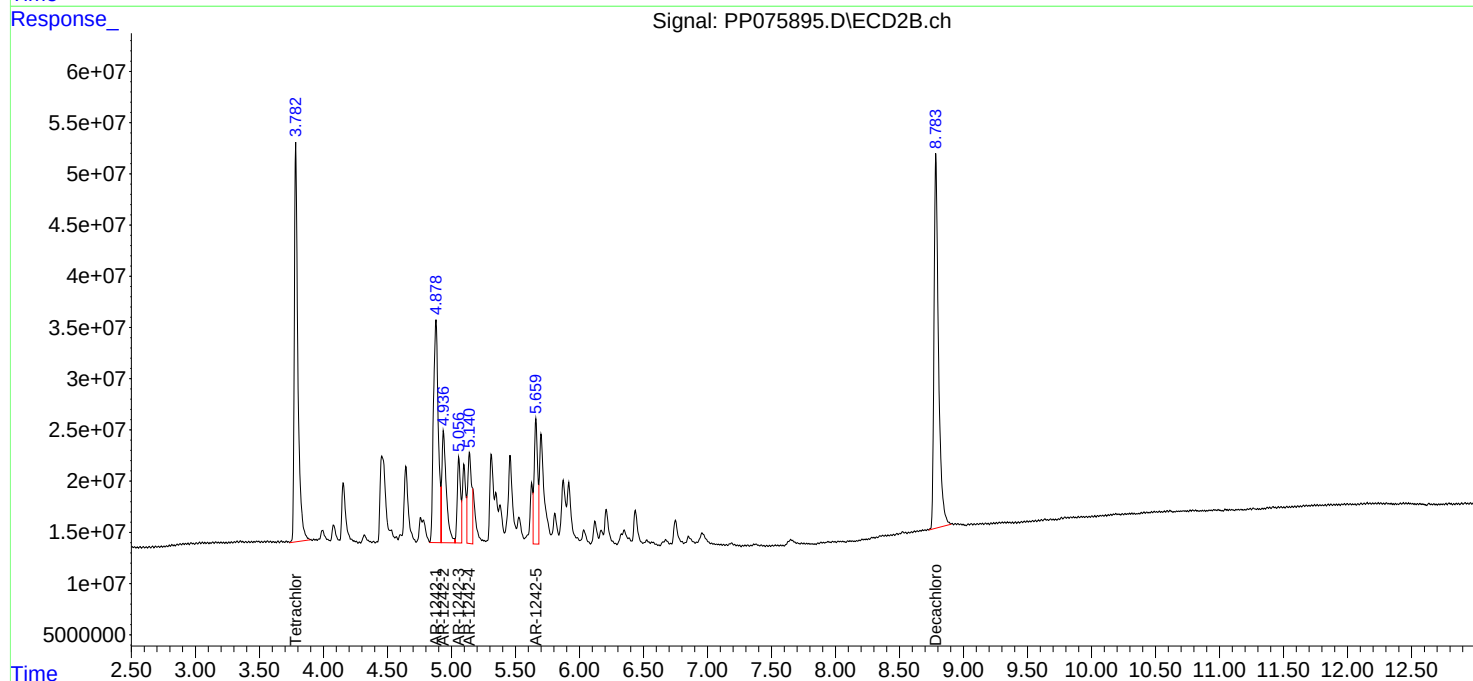
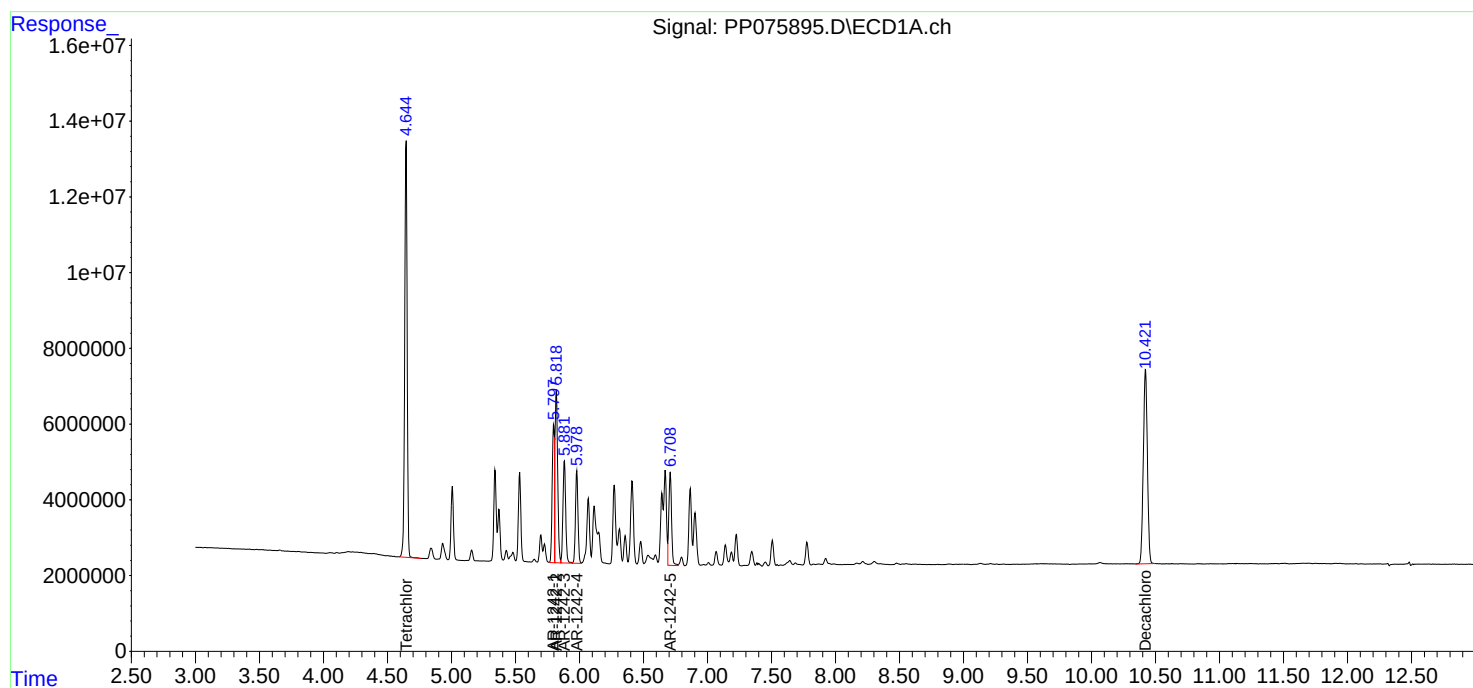
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Manual Integrations
APPROVED

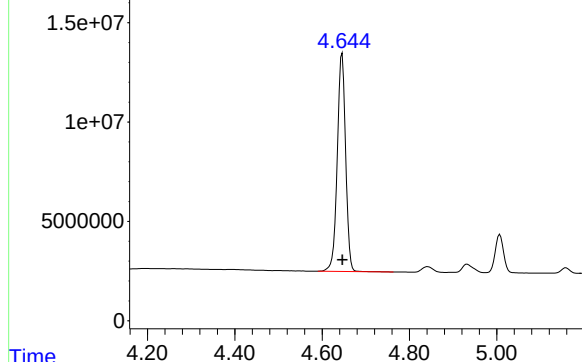
Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:57:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:53:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PP075895.D\ECD1A.ch



#1 Tetrachloro-m-xylene

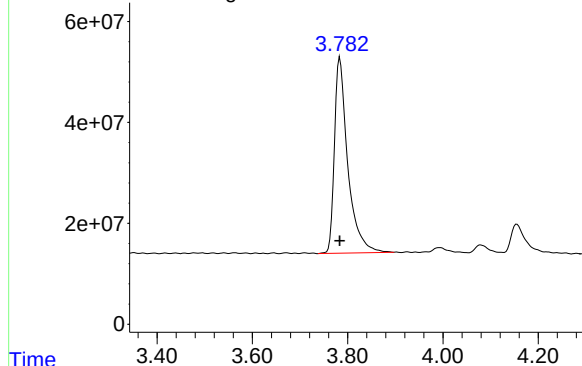
R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 146660157
Conc: 97.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

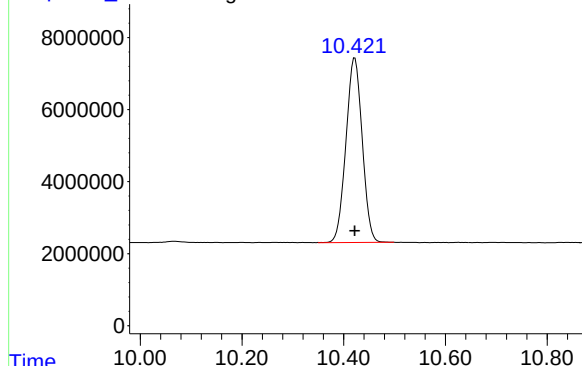
Response_ Signal: PP075895.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.000 min
Response: 755613375
Conc: 101.27 ng/ml

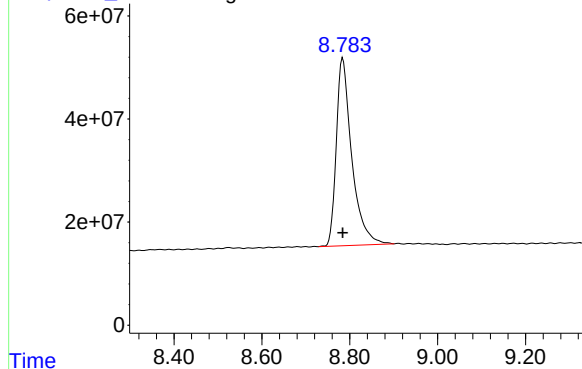
Response_ Signal: PP075895.D\ECD1A.ch



#2 Decachlorobiphenyl

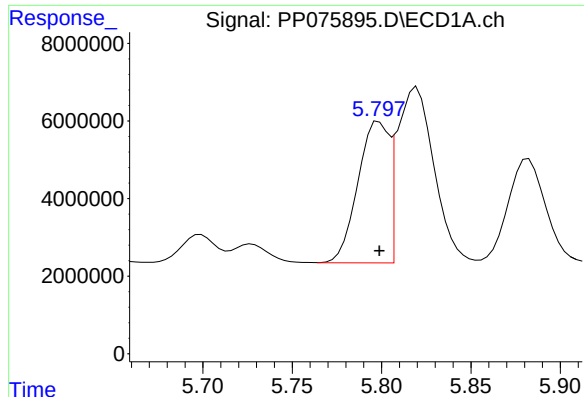
R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 113628090
Conc: 95.99 ng/ml

Response_ Signal: PP075895.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 890508065
Conc: 98.95 ng/ml



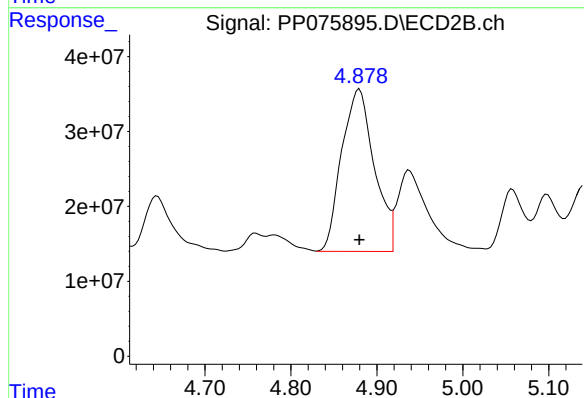
#16 AR-1242-1

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 44019933
Conc: 960.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

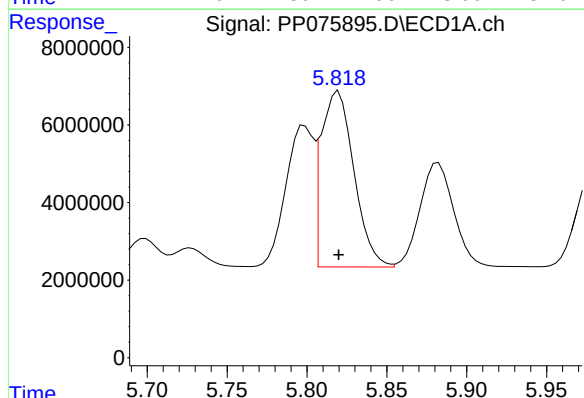
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



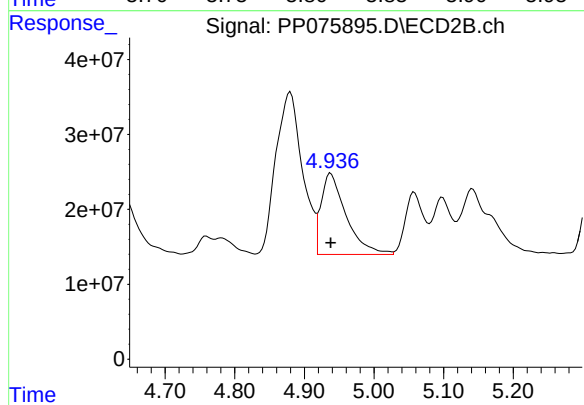
#16 AR-1242-1

R.T.: 4.880 min
Delta R.T.: 0.000 min
Response: 571147464
Conc: 977.26 ng/ml



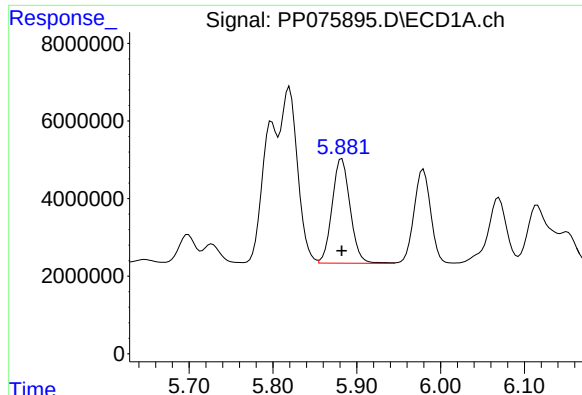
#17 AR-1242-2

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 64942800
Conc: 955.59 ng/ml



#17 AR-1242-2

R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 271622570
Conc: 968.79 ng/ml



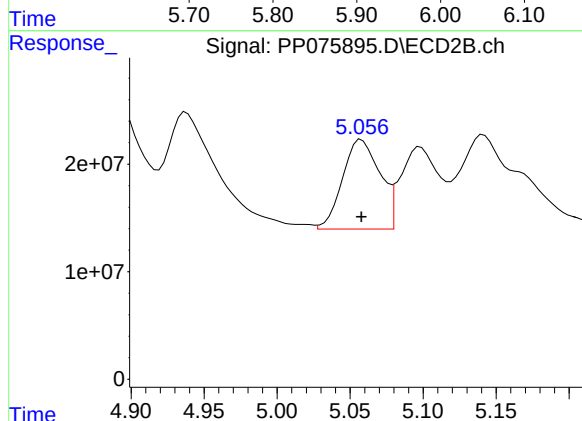
#18 AR-1242-3

R.T.: 5.882 min
Delta R.T.: 0.000 min
Response: 40140584
Conc: 947.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

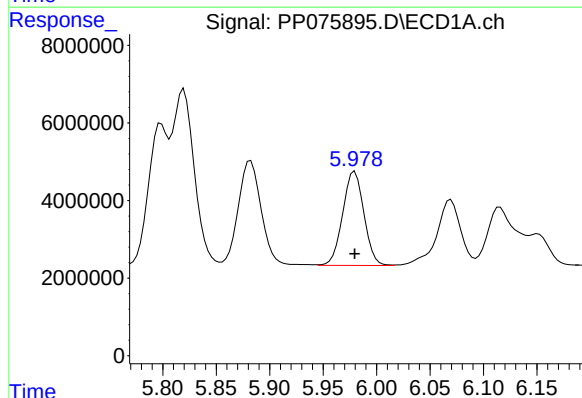
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



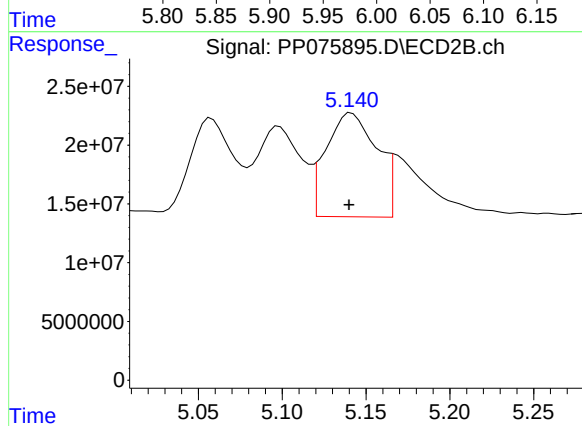
#18 AR-1242-3

R.T.: 5.058 min
Delta R.T.: 0.000 min
Response: 148417684
Conc: 955.72 ng/ml



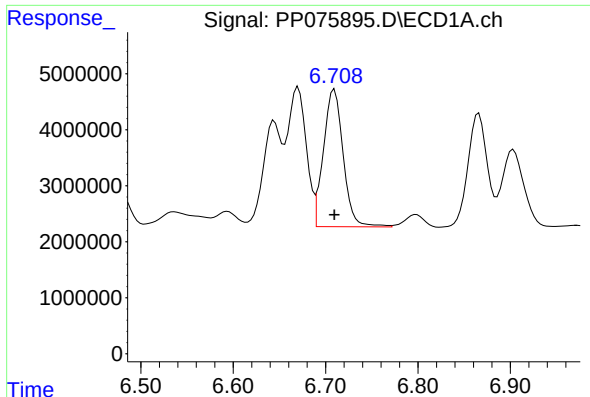
#19 AR-1242-4

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 33543618
Conc: 958.88 ng/ml



#19 AR-1242-4

R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 195275059
Conc: 946.97 ng/ml m



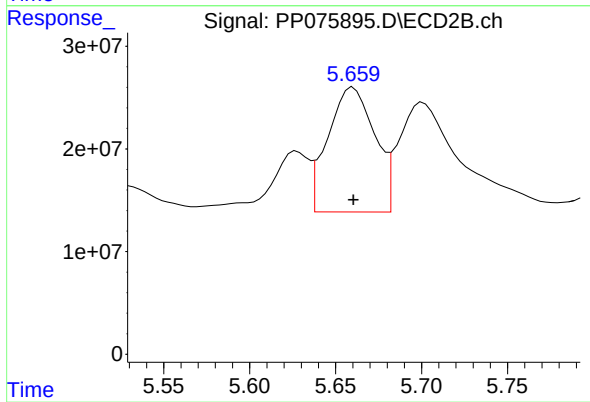
#20 AR-1242-5

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 36405140
Conc: 929.96 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Manual Integrations
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Supervised By :mohammad ahmed 10/25/2025



#20 AR-1242-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 229588702
Conc: 969.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075896.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 11:16
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 17:03:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 16:53:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.644	3.782	113.4E6	556.3E6	75.213	74.705
2) SA Decachlor...	10.420	8.782	90695948	674.5E6	76.069	74.966
Target Compounds						
16) L4 AR-1242-1	5.797	4.877	34736600	441.3E6	755.090	753.335
17) L4 AR-1242-2	5.818	4.936	50786803	202.9E6	748.192	732.177
18) L4 AR-1242-3	5.881	5.056	31533573	113.0E6	746.210	735.014
19) L4 AR-1242-4	5.978	5.138	26371655	143.6E6	752.570	715.813m
20) L4 AR-1242-5	6.708	5.658	28996717	177.7E6	743.785	750.134

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 11:16
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

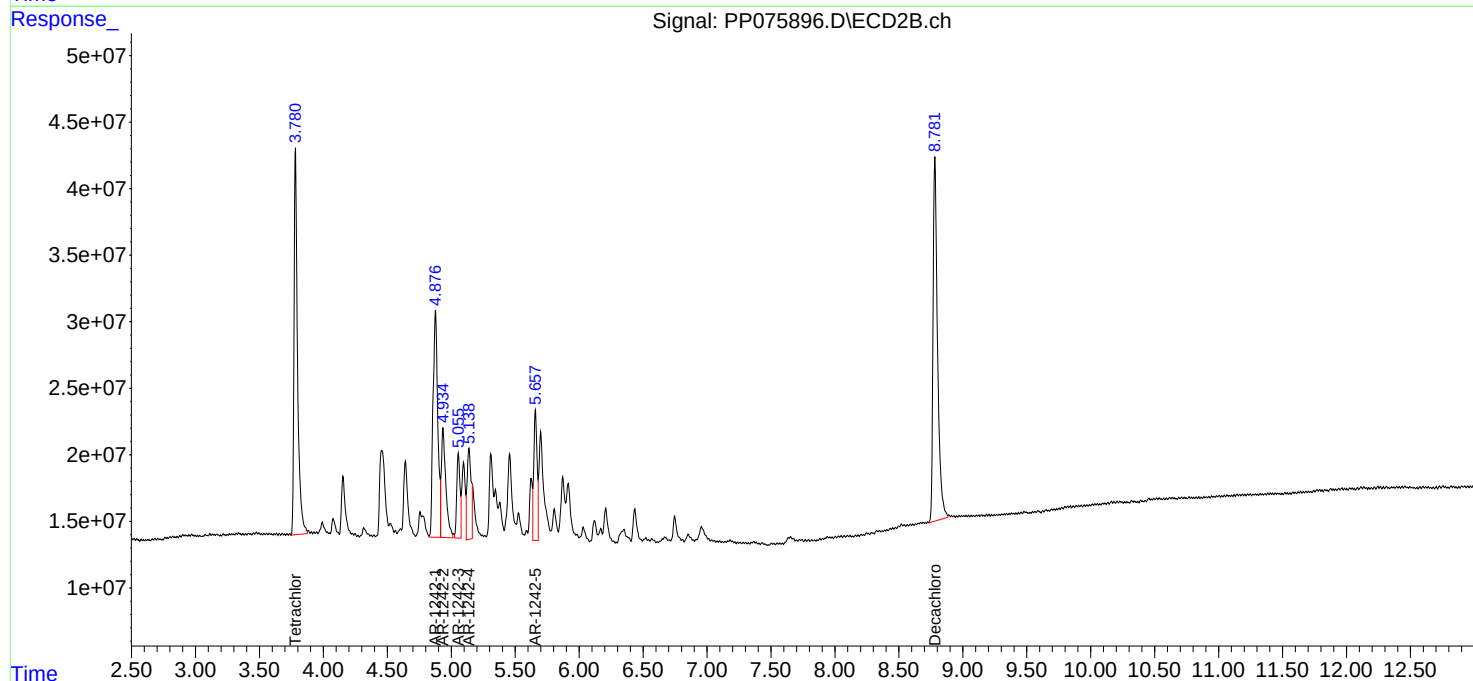
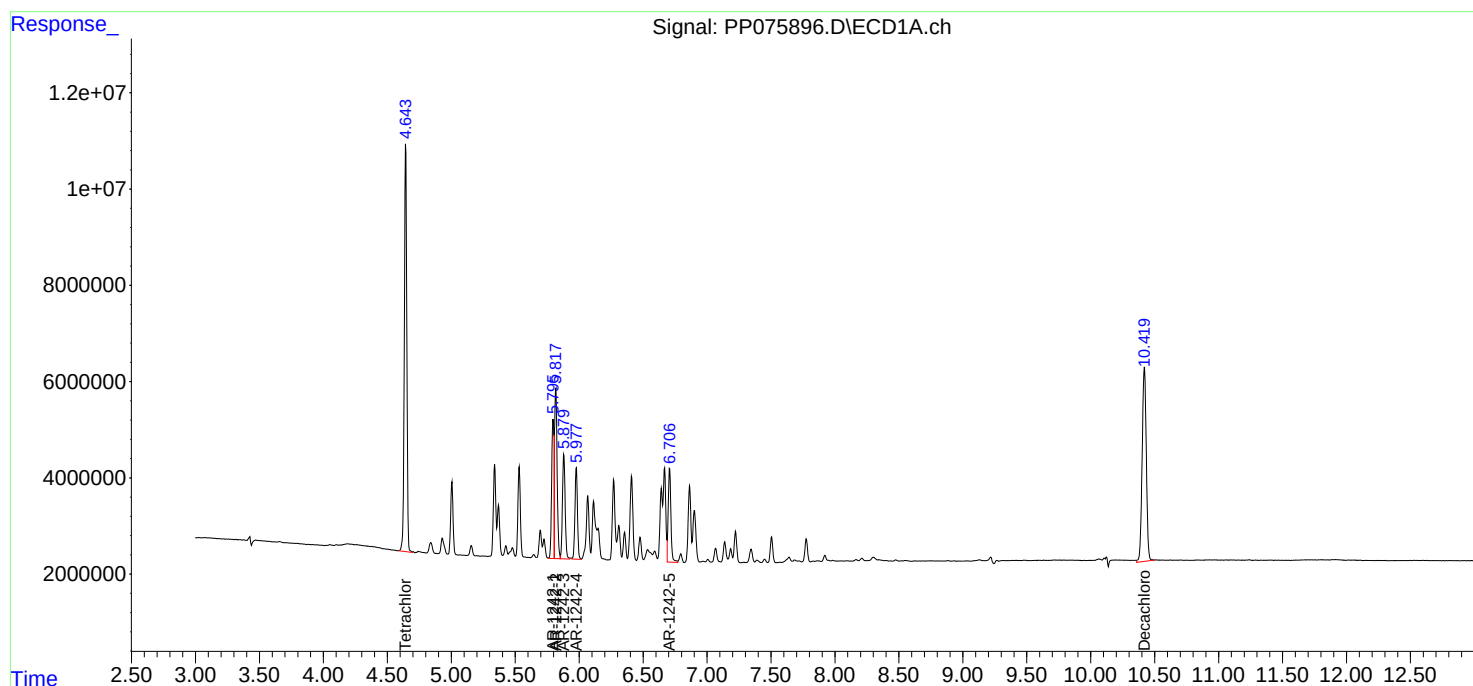
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

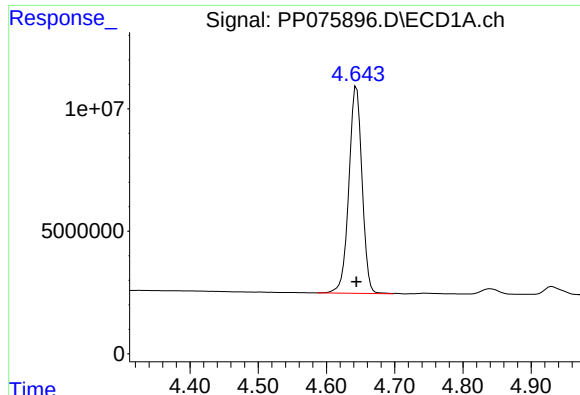
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:03:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:53:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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





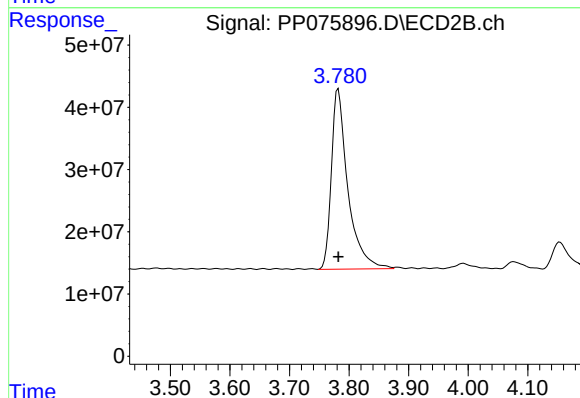
#1 Tetrachloro-m-xylene

R.T.: 4.644 min
Delta R.T.: 0.000 min
Response: 113448643
Conc: 75.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

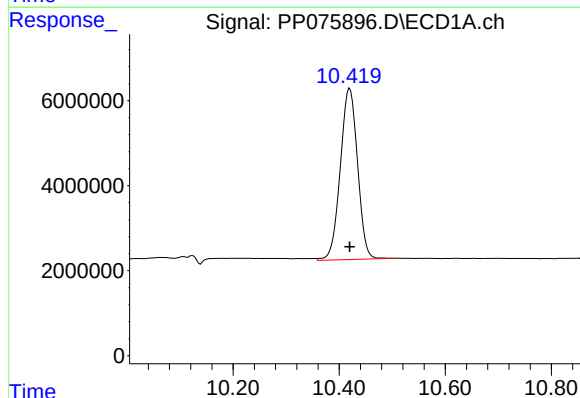
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



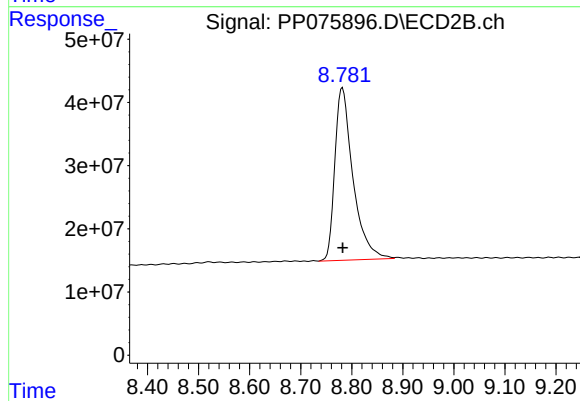
#1 Tetrachloro-m-xylene

R.T.: 3.782 min
Delta R.T.: 0.000 min
Response: 556289431
Conc: 74.70 ng/ml



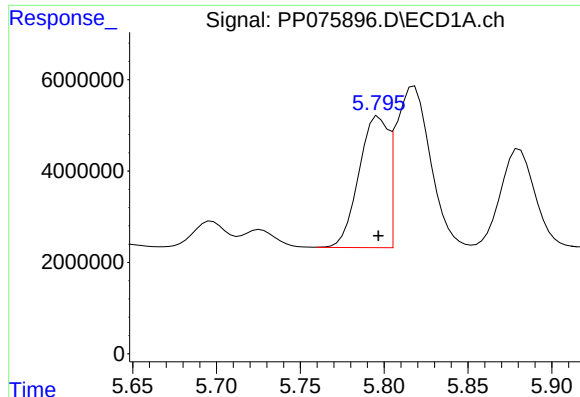
#2 Decachlorobiphenyl

R.T.: 10.420 min
Delta R.T.: 0.000 min
Response: 90695948
Conc: 76.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 674506043
Conc: 74.97 ng/ml



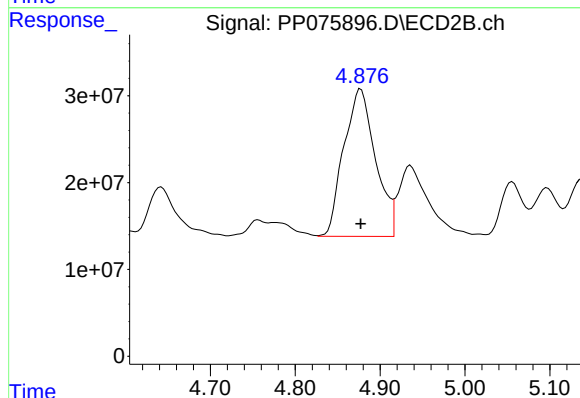
#16 AR-1242-1

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 34736600
Conc: 755.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

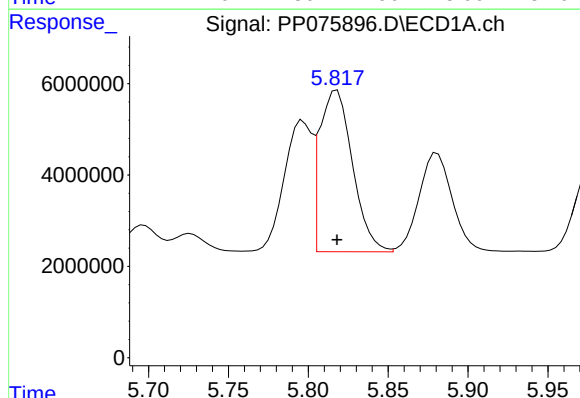
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



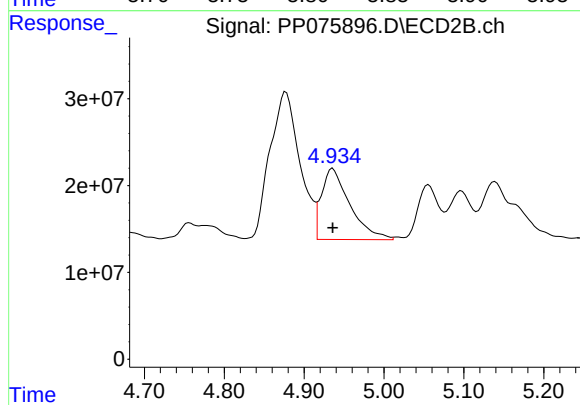
#16 AR-1242-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 441256485
Conc: 753.33 ng/ml



#17 AR-1242-2

R.T.: 5.818 min
Delta R.T.: 0.000 min
Response: 50786803
Conc: 748.19 ng/ml



#17 AR-1242-2

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 202872100
Conc: 732.18 ng/ml

Response_ Signal: PP075896.D\ECD1A.ch

#18 AR-1242-3

R.T.: 5.881 min
Delta R.T.: 0.000 min
Response: 31533573
Conc: 746.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Time 5.70 5.75 5.80 5.85 5.90 5.95 6.00 6.05

Response_ Signal: PP075896.D\ECD2B.ch

#18 AR-1242-3

R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 113013930
Conc: 735.01 ng/ml

Time 4.90 4.95 5.00 5.05 5.10 5.15

Response_ Signal: PP075896.D\ECD1A.ch

#19 AR-1242-4

R.T.: 5.978 min
Delta R.T.: 0.000 min
Response: 26371655
Conc: 752.57 ng/ml

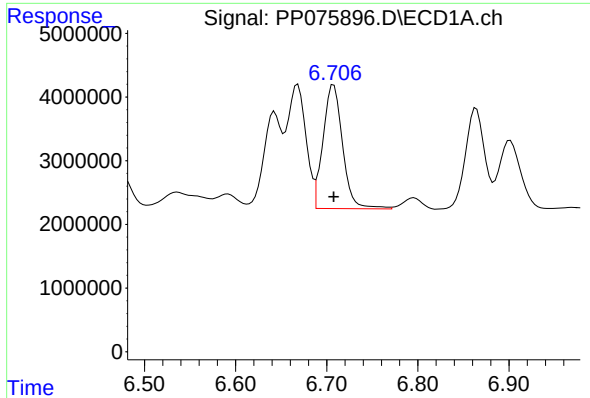
Time 5.80 5.85 5.90 5.95 6.00 6.05 6.10 6.15

Response_ Signal: PP075896.D\ECD2B.ch

#19 AR-1242-4

R.T.: 5.138 min
Delta R.T.: 0.000 min
Response: 143587580
Conc: 715.81 ng/ml m

Time 5.00 5.05 5.10 5.15 5.20 5.25



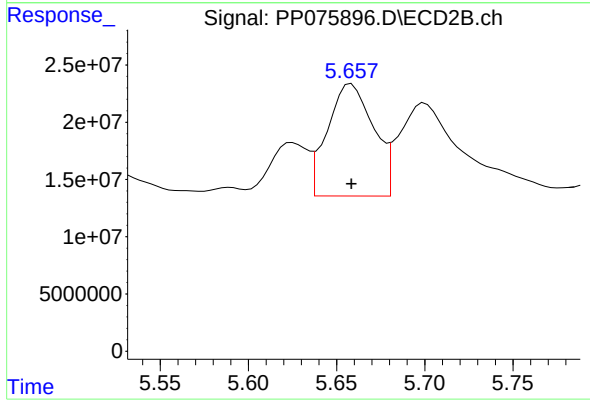
#20 AR-1242-5

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 28996717
Conc: 743.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#20 AR-1242-5

R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 177719313
Conc: 750.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075897.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 11:48
 Operator : YP\AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 16:54:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 16:53:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.647	3.784	77291283	368.3E6	50.000	50.000
2) SA Decachlor...	10.422	8.785	61563948	454.7E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.799	4.880	23837208	298.9E6	498.805	500.000
17) L4 AR-1242-2	5.821	4.938	35489778	144.6E6	500.000	500.000
18) L4 AR-1242-3	5.884	5.059	22294823	81084867	500.000	500.000
19) L4 AR-1242-4	5.981	5.141	18210300	105.4E6	500.000	515.181m
20) L4 AR-1242-5	6.710	5.660	20944311	122.1E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 11:48
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

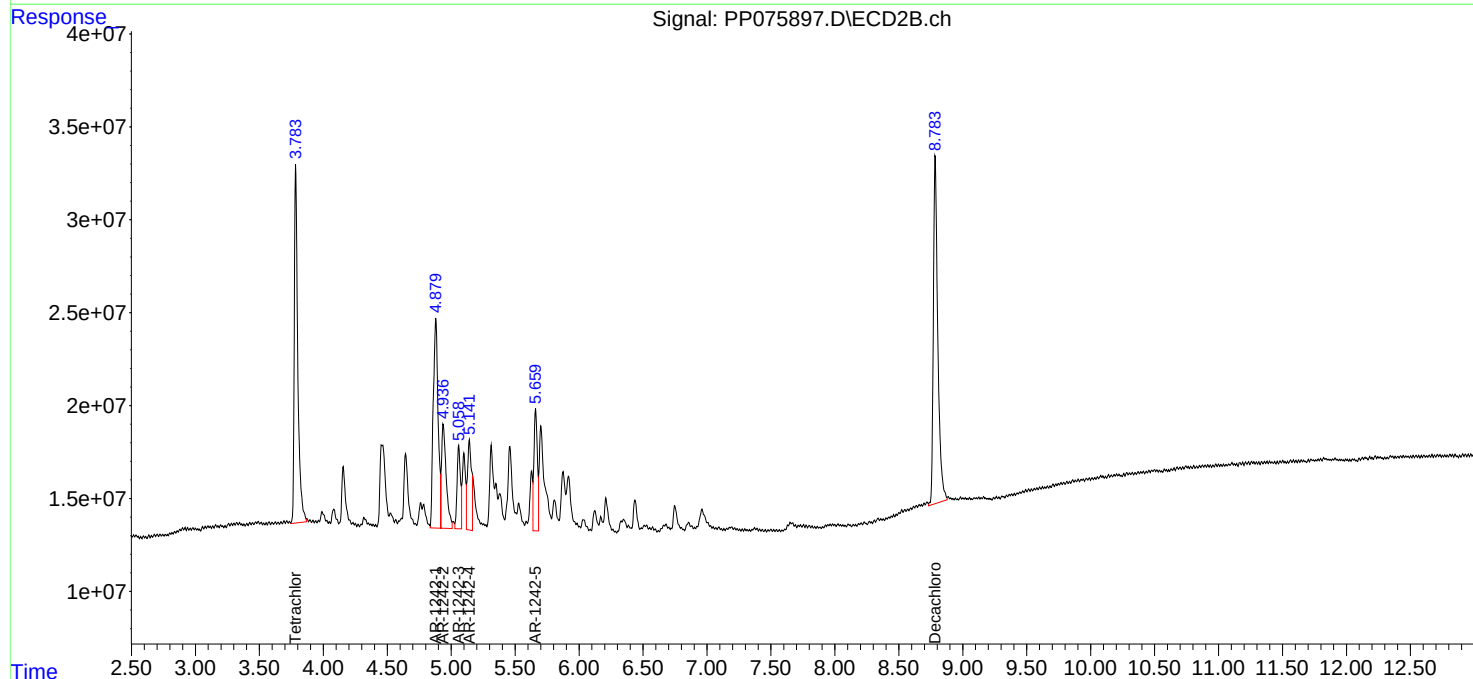
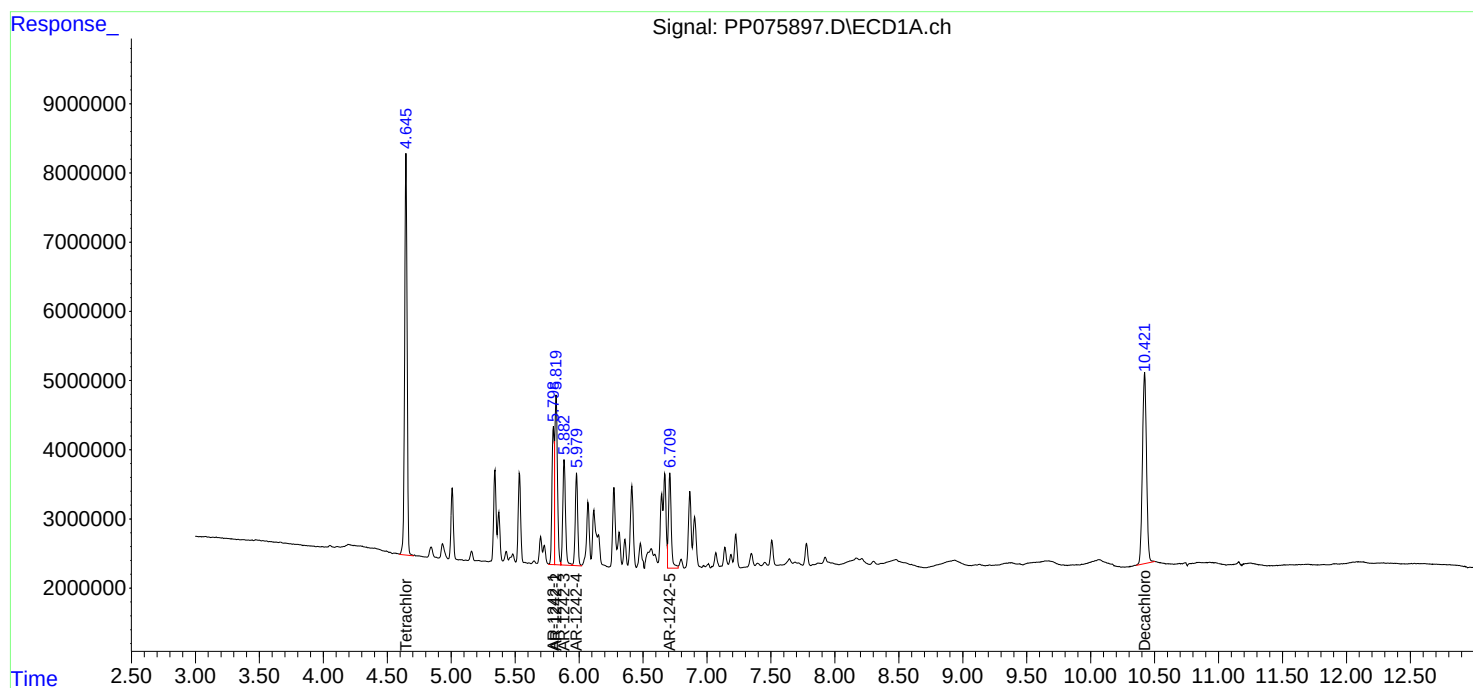
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

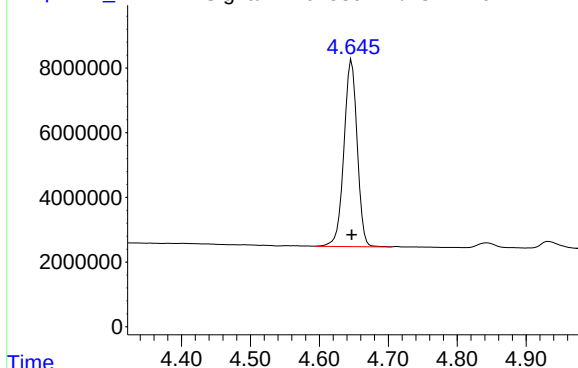
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:54:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:53:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



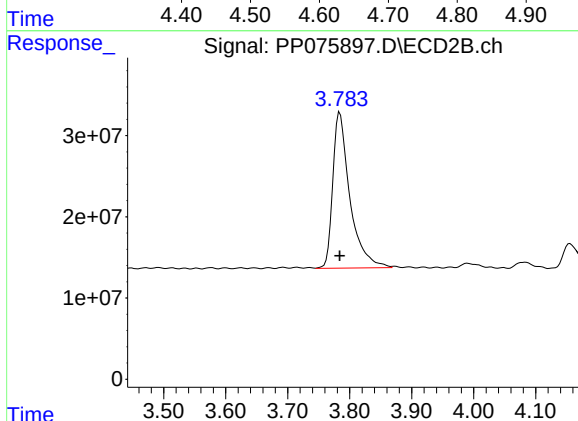


R.T.: 4.647 min
Delta R.T.: 0.000 min
Response: 77291283
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

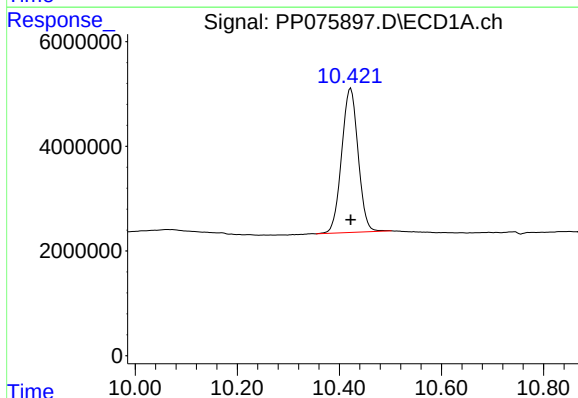
Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



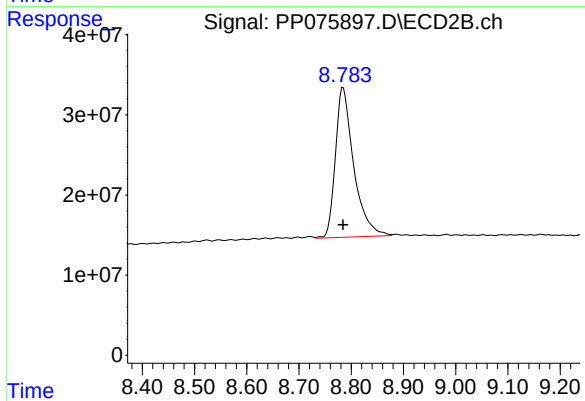
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.000 min
Response: 368310366
Conc: 50.00 ng/ml



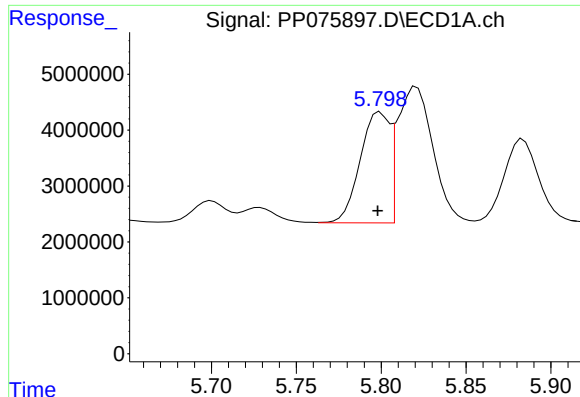
#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 61563948
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 454707843
Conc: 50.00 ng/ml



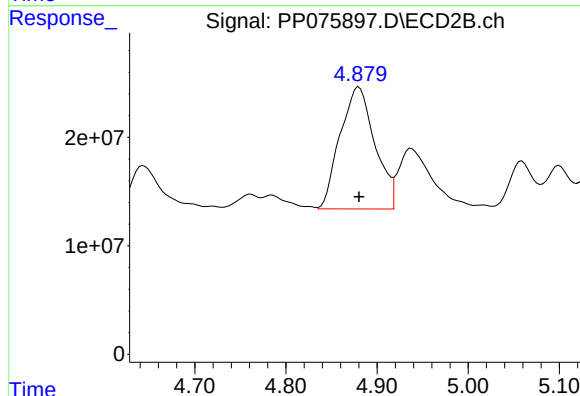
#16 AR-1242-1

R.T.: 5.799 min
Delta R.T.: 0.001 min
Response: 23837208
Conc: 498.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

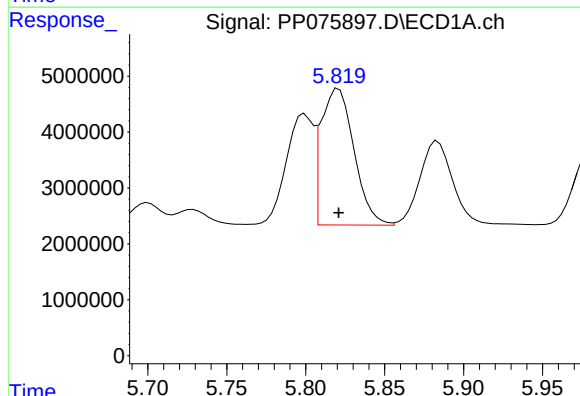
Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



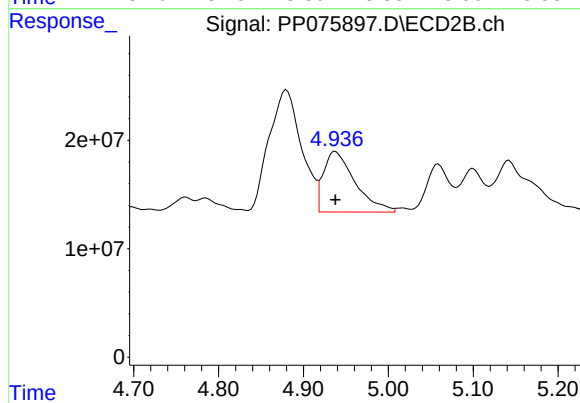
#16 AR-1242-1

R.T.: 4.880 min
Delta R.T.: 0.000 min
Response: 298861859
Conc: 500.00 ng/ml



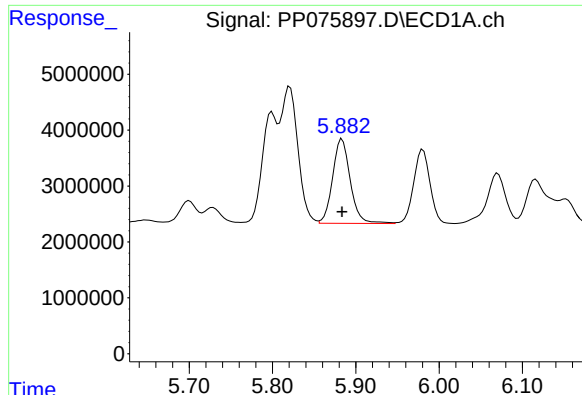
#17 AR-1242-2

R.T.: 5.821 min
Delta R.T.: 0.000 min
Response: 35489778
Conc: 500.00 ng/ml



#17 AR-1242-2

R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 144561928
Conc: 500.00 ng/ml



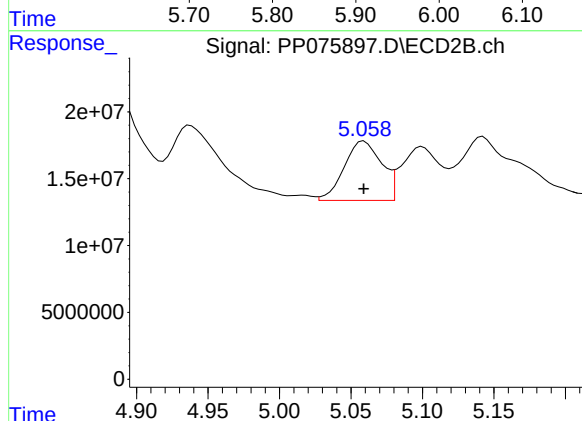
#18 AR-1242-3

R.T.: 5.884 min
Delta R.T.: 0.000 min
Response: 22294823
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

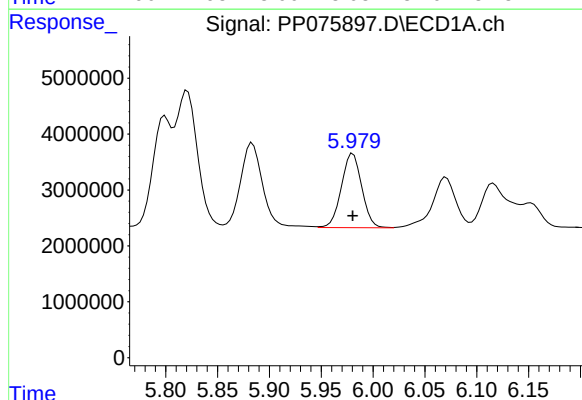
Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



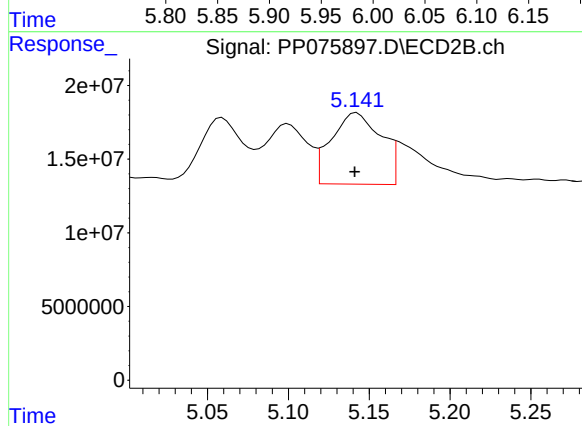
#18 AR-1242-3

R.T.: 5.059 min
Delta R.T.: 0.000 min
Response: 81084867
Conc: 500.00 ng/ml



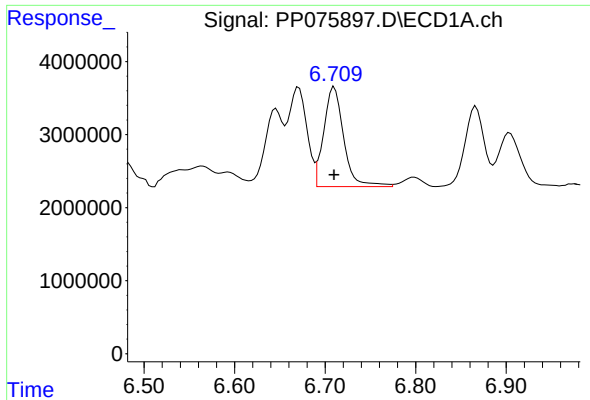
#19 AR-1242-4

R.T.: 5.981 min
Delta R.T.: 0.000 min
Response: 18210300
Conc: 500.00 ng/ml



#19 AR-1242-4

R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 105412292
Conc: 515.18 ng/ml m



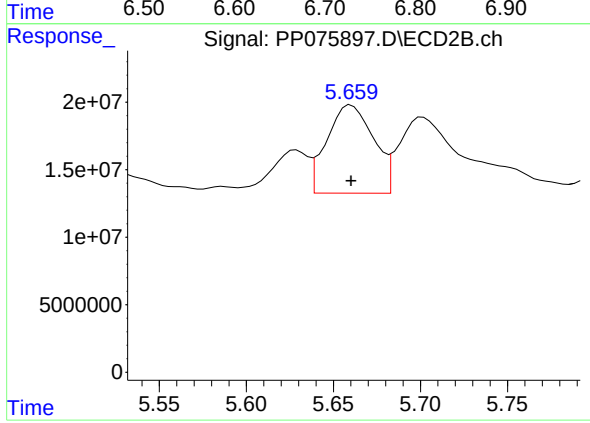
#20 AR-1242-5

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 20944311
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#20 AR-1242-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 122101376
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075898.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 12:04
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 17:06:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 16:53:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.645	3.783	39880193	180.0E6	26.064	24.377
2) SA Decachlor...	10.420	8.782	32230064	227.8E6	26.494	25.240
Target Compounds						
16) L4 AR-1242-1	5.797	4.880	12563771	142.4E6	266.938	244.850
17) L4 AR-1242-2	5.819	4.936	18441812	72837046	265.919	259.532
18) L4 AR-1242-3	5.881	5.057	11783758	39428697	271.031	254.795
19) L4 AR-1242-4	5.979	5.139	9241965	47817696	260.164	239.194m
20) L4 AR-1242-5	6.707	5.659	9824013	58740602	248.605m	248.450

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 12:04
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

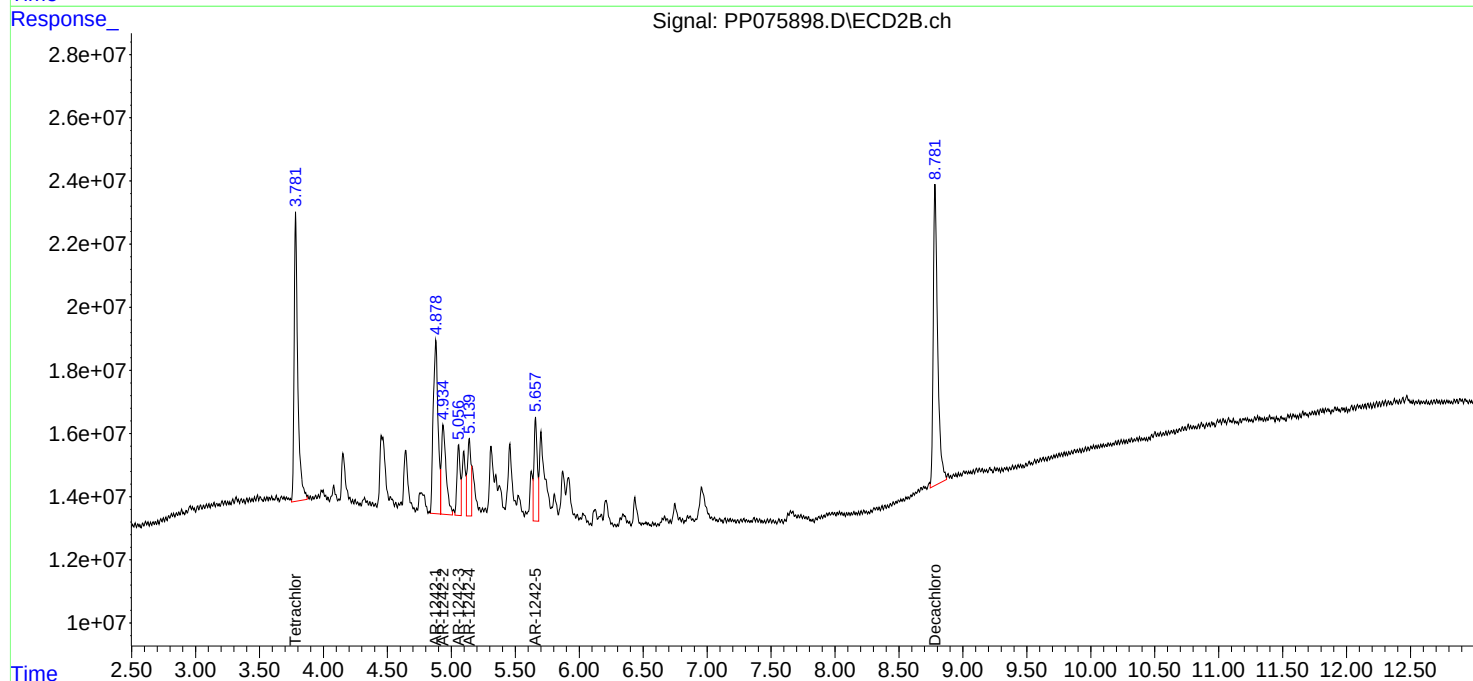
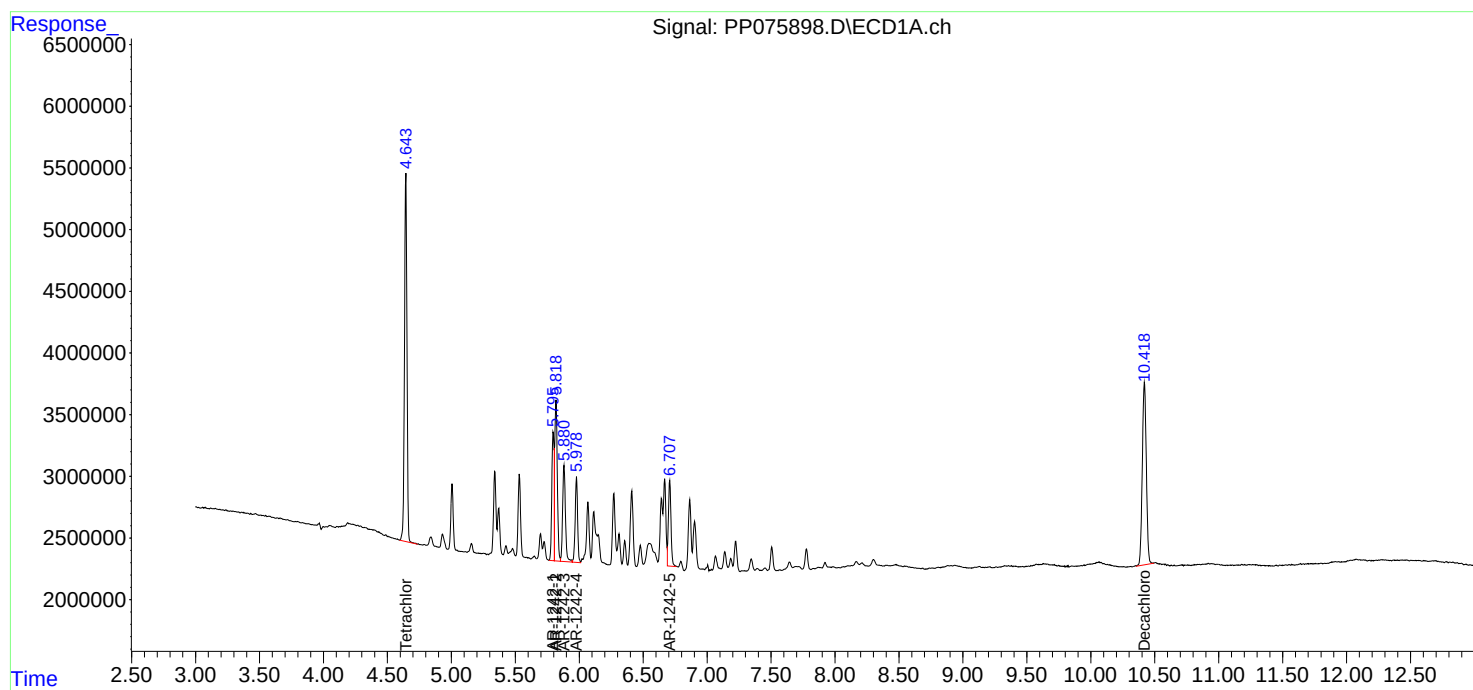
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

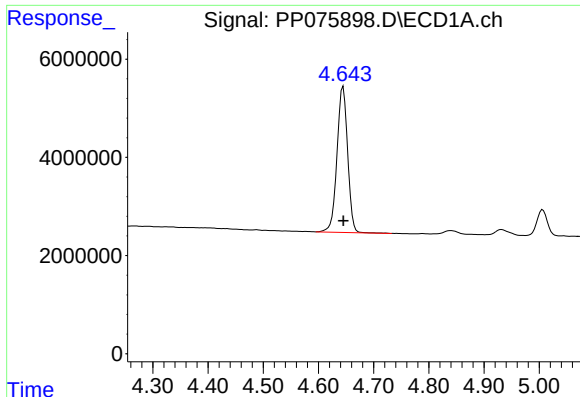
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:06:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:53:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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





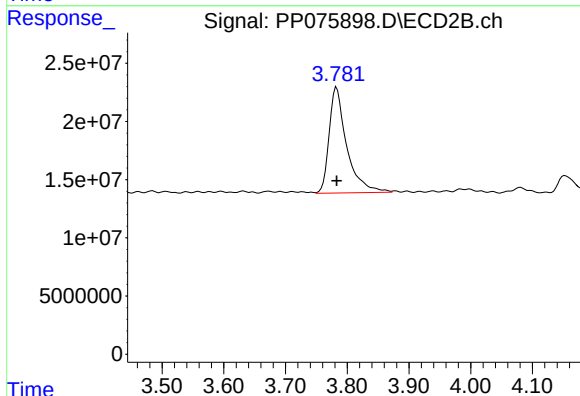
#1 Tetrachloro-m-xylene

R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 39880193
Conc: 26.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

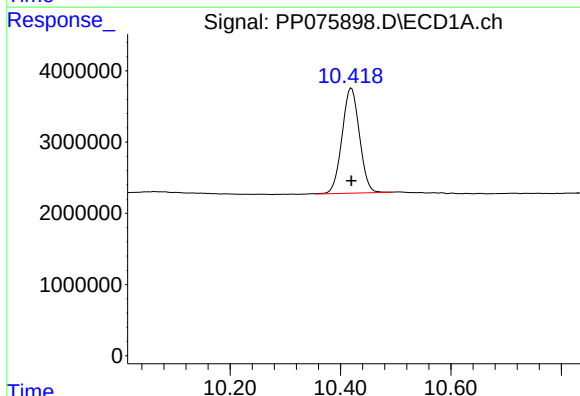
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



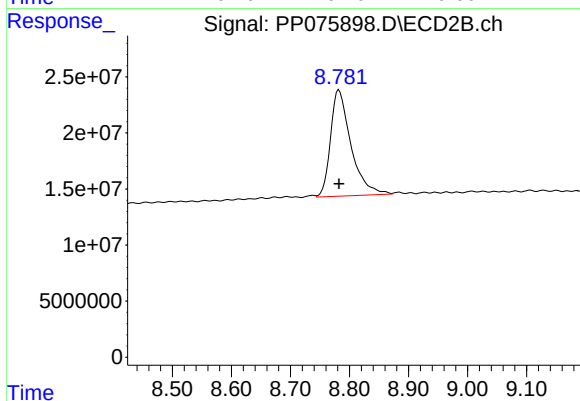
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.000 min
Response: 180029251
Conc: 24.38 ng/ml



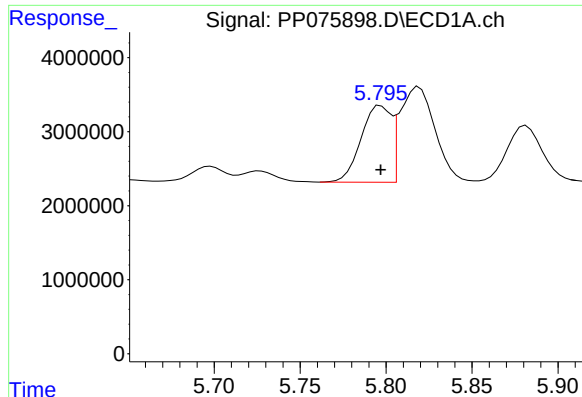
#2 Decachlorobiphenyl

R.T.: 10.420 min
Delta R.T.: 0.000 min
Response: 32230064
Conc: 26.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 227832960
Conc: 25.24 ng/ml



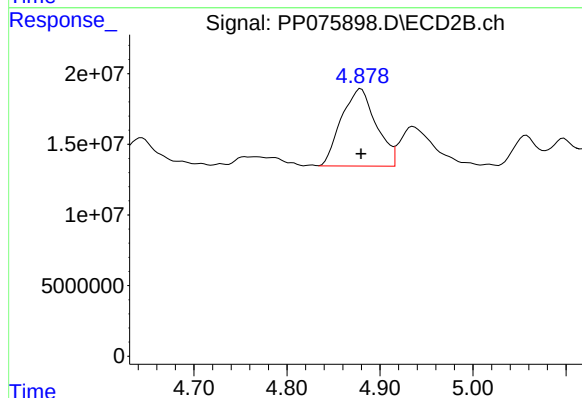
#16 AR-1242-1

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 12563771
Conc: 266.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

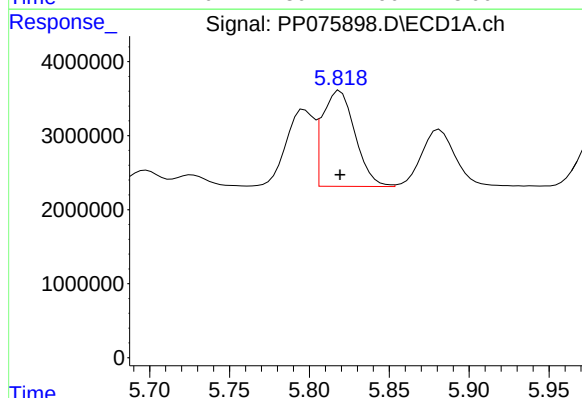
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



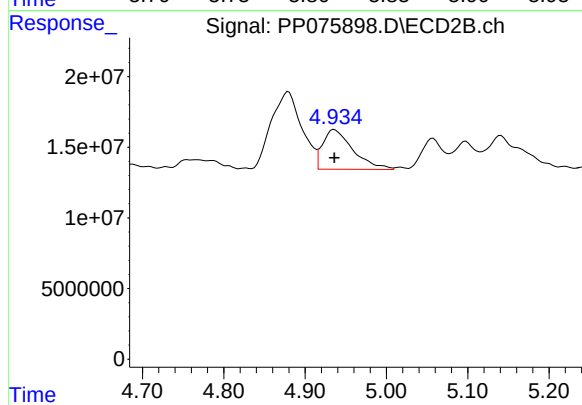
#16 AR-1242-1

R.T.: 4.880 min
Delta R.T.: 0.000 min
Response: 142440097
Conc: 244.85 ng/ml



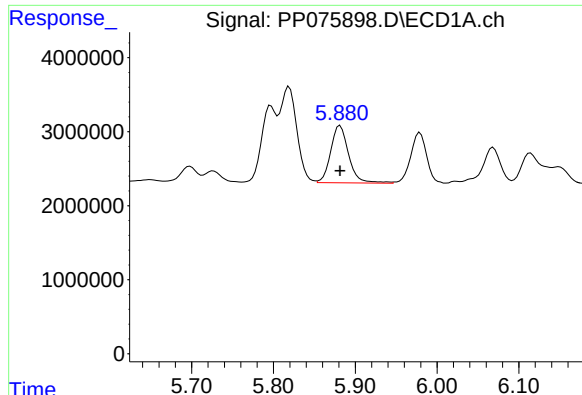
#17 AR-1242-2

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 18441812
Conc: 265.92 ng/ml



#17 AR-1242-2

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 72837046
Conc: 259.53 ng/ml



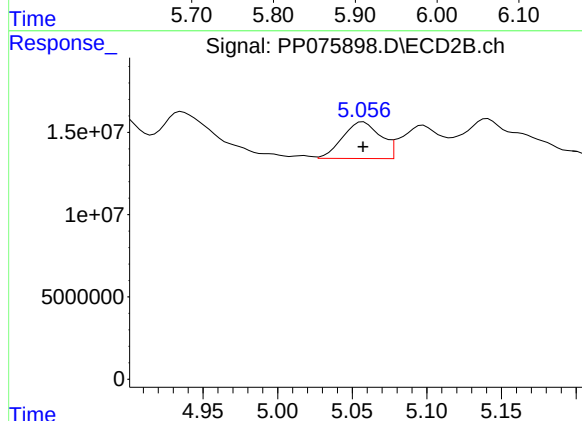
#18 AR-1242-3

R.T.: 5.881 min
Delta R.T.: 0.000 min
Response: 11783758
Conc: 271.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

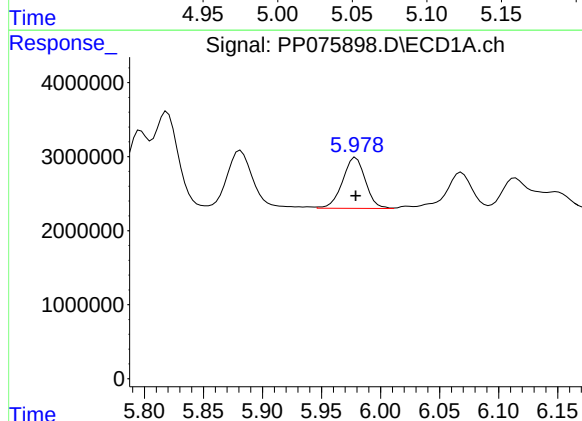
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



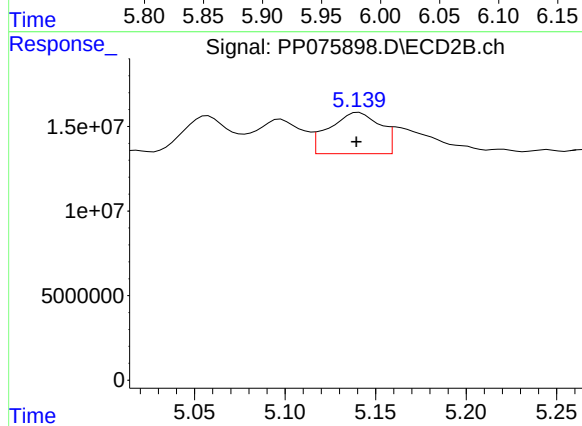
#18 AR-1242-3

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 39428697
Conc: 254.79 ng/ml



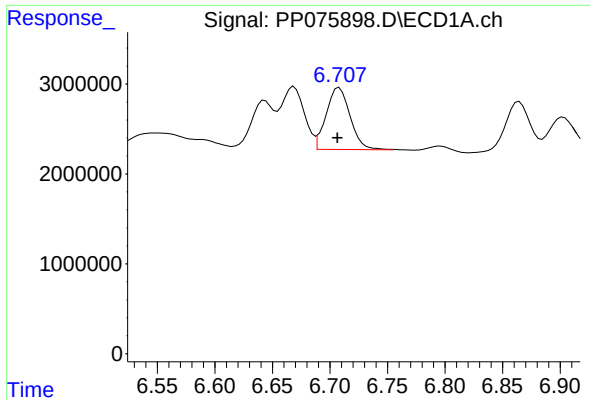
#19 AR-1242-4

R.T.: 5.979 min
Delta R.T.: 0.000 min
Response: 9241965
Conc: 260.16 ng/ml



#19 AR-1242-4

R.T.: 5.139 min
Delta R.T.: 0.000 min
Response: 47817696
Conc: 239.19 ng/ml m



#20 AR-1242-5

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 9824013
Conc: 248.61 ng/ml

Instrument :

ECD_P

ClientSampleId :

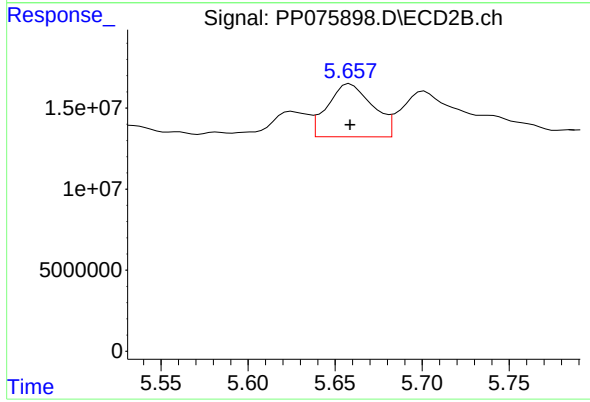
AR1242ICC250

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025



#20 AR-1242-5

R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 58740602
Conc: 248.45 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075899.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 12:21
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 17:10:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 16:53:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.783	7865219	30617105	5.112	4.301m
2) SA Decachlor...	10.422	8.783	6789035	46546691	5.454	5.125
Target Compounds						
16) L4 AR-1242-1	5.798	4.882	2563442	27339514	53.509	47.567
17) L4 AR-1242-2	5.820	4.939	3827668	13248287	54.069	47.740
18) L4 AR-1242-3	5.883	5.054	2714945	8403556	59.484	53.386
19) L4 AR-1242-4	5.979	5.138	1985121	6837014	54.597	36.934 #
20) L4 AR-1242-5	6.708	5.660	2423381	10273735	59.725m	44.622 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 12:21
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

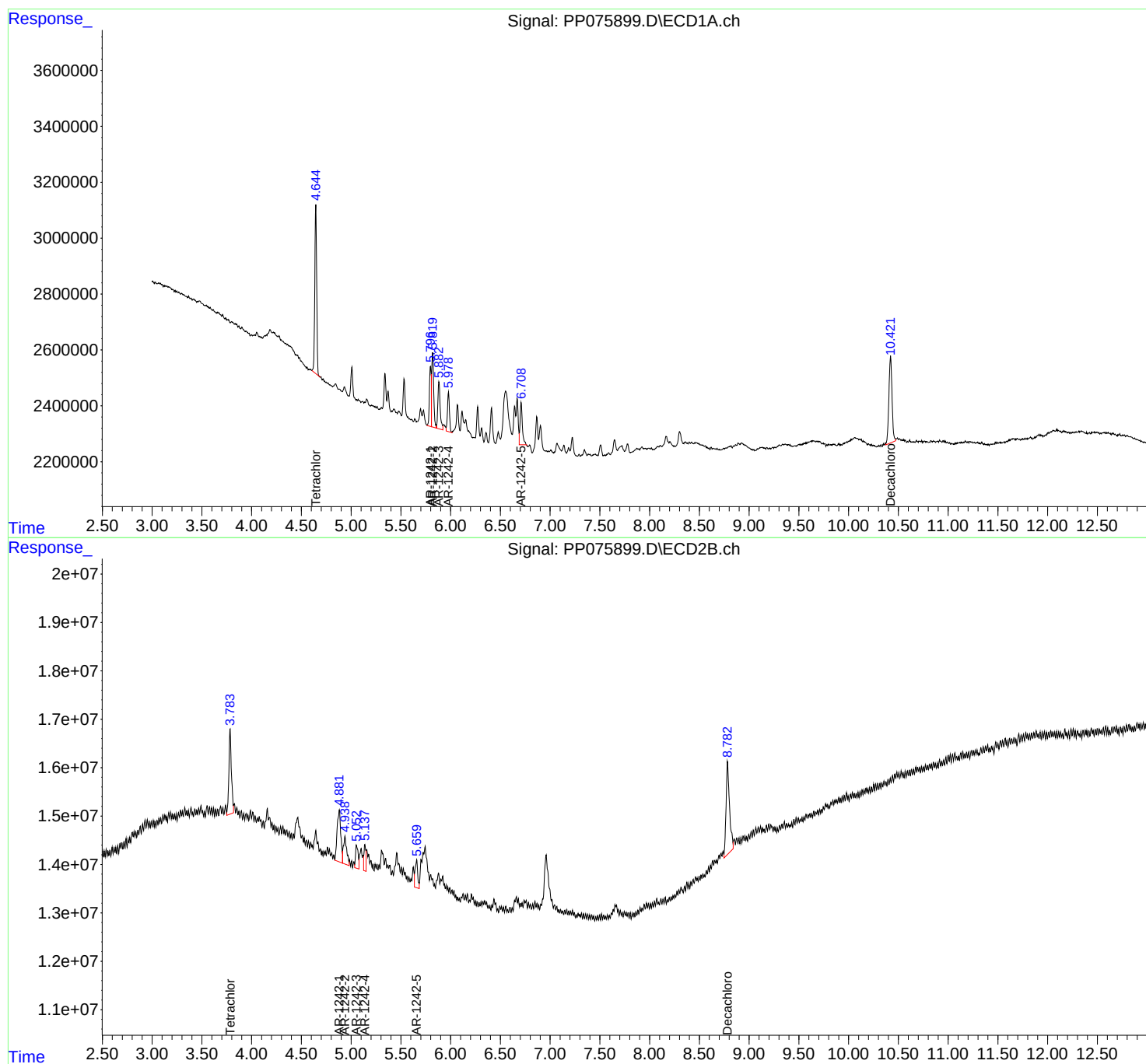
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

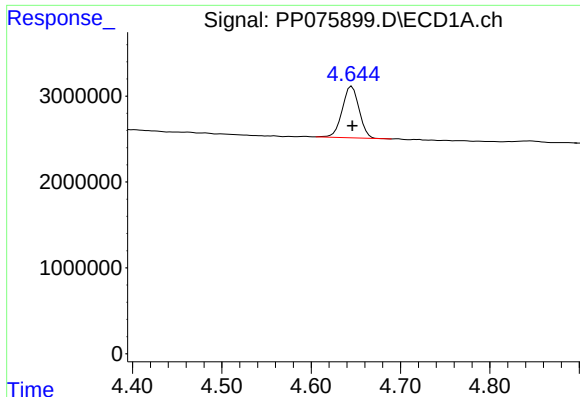
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:10:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:53:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 7865219
Conc: 5.11 ng/ml

Instrument :

ECD_P

ClientSampleId :

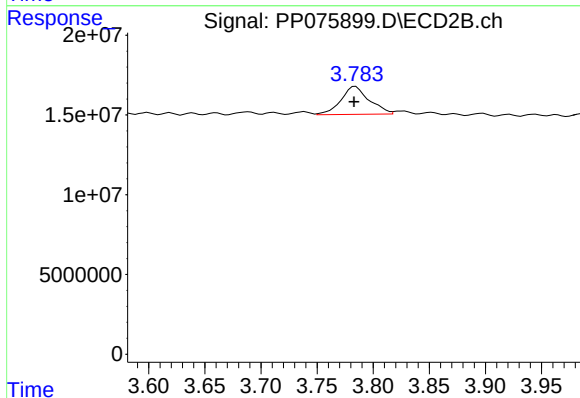
AR1242ICC050

Manual Integrations

APPROVED

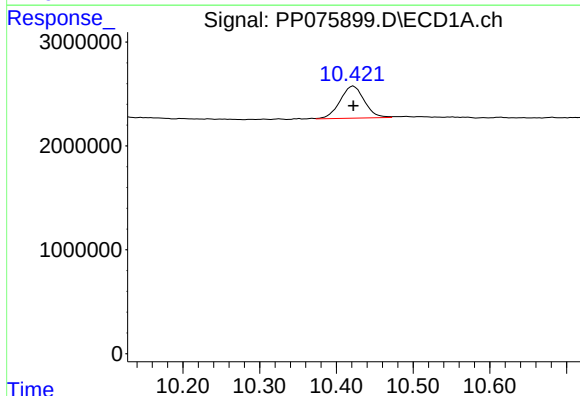
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025



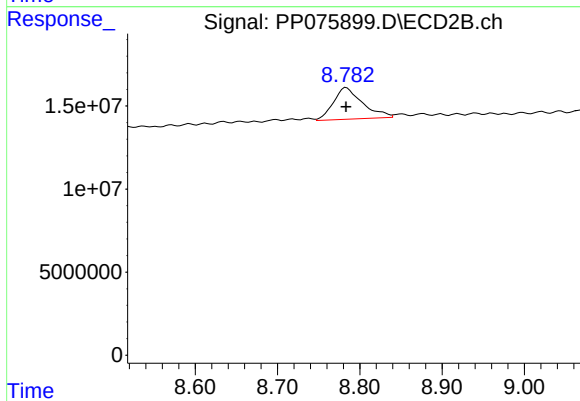
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.000 min
Response: 30617105
Conc: 4.30 ng/ml m



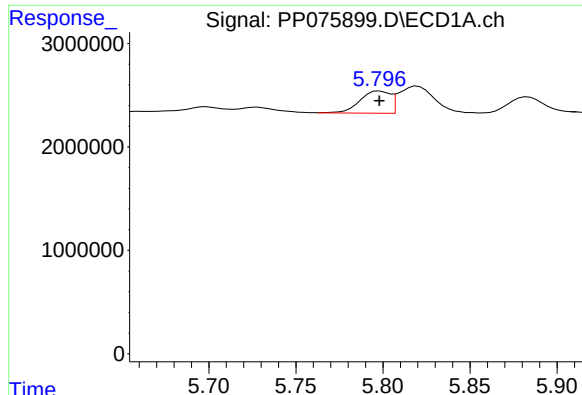
#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 6789035
Conc: 5.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.783 min
Delta R.T.: 0.000 min
Response: 46546691
Conc: 5.12 ng/ml



#16 AR-1242-1

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 2563442
Conc: 53.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

#16 AR-1242-1

R.T.: 4.882 min
Delta R.T.: 0.000 min
Response: 27339514
Conc: 47.57 ng/ml

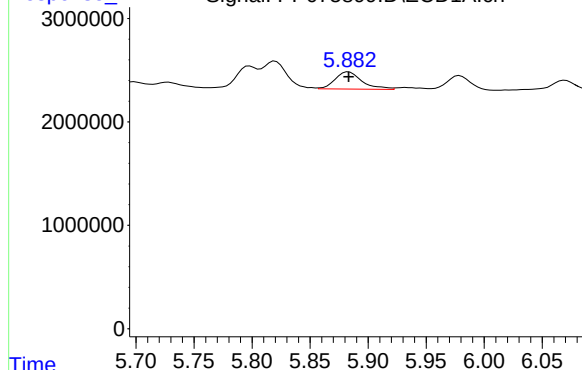
#17 AR-1242-2

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 3827668
Conc: 54.07 ng/ml

#17 AR-1242-2

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 13248287
Conc: 47.74 ng/ml

Response_ Signal: PP075899.D\ECD1A.ch



#18 AR-1242-3

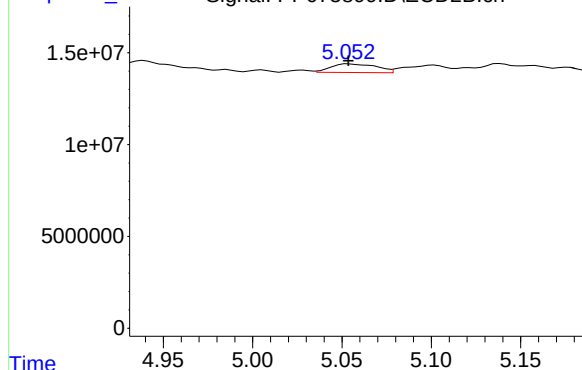
R.T.: 5.883 min
Delta R.T.: 0.000 min
Response: 2714945
Conc: 59.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

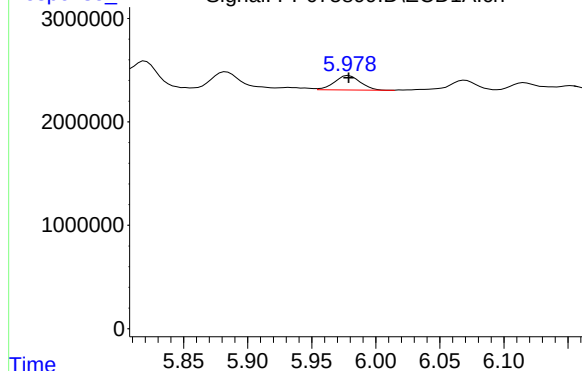
Response_ Signal: PP075899.D\ECD2B.ch



#18 AR-1242-3

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 8403556
Conc: 53.39 ng/ml

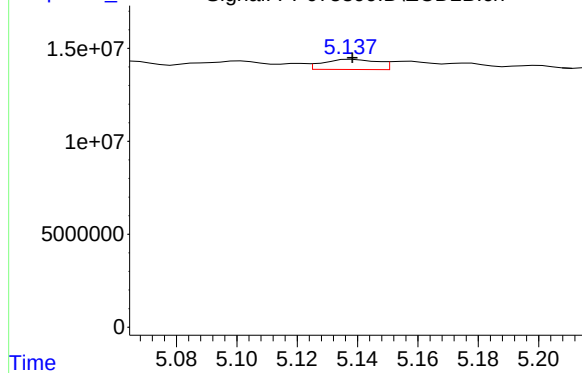
Response_ Signal: PP075899.D\ECD1A.ch



#19 AR-1242-4

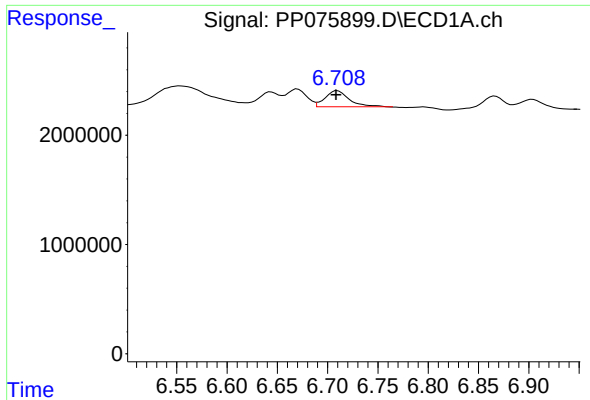
R.T.: 5.979 min
Delta R.T.: 0.000 min
Response: 1985121
Conc: 54.60 ng/ml

Response_ Signal: PP075899.D\ECD2B.ch



#19 AR-1242-4

R.T.: 5.138 min
Delta R.T.: 0.000 min
Response: 6837014
Conc: 36.93 ng/ml



#20 AR-1242-5

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 2423381
Conc: 59.73 ng/ml

Instrument :

ECD_P

ClientSampleId :

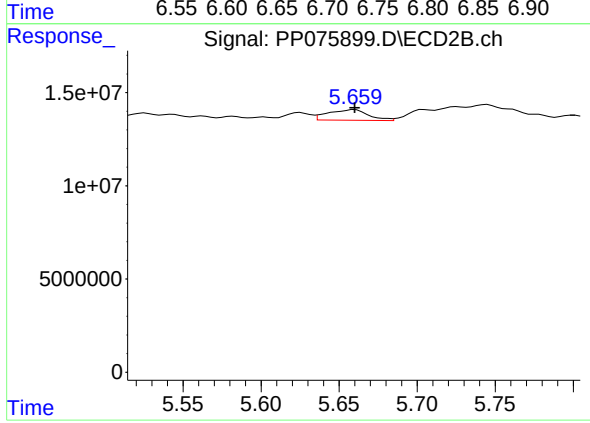
AR1242ICC050

Manual Integrations

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Supervised By :mohammad ahmed 10/25/2025



#20 AR-1242-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 10273735
Conc: 44.62 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075900.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 12:41
 Operator : YP\AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC1000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 14:17:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 14:13:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.647	3.780	146.9E6	734.4E6	97.039	99.403
2) SA Decachlor...	10.426	8.783	114.1E6	899.5E6	95.681	98.496
Target Compounds						
21) L5 AR-1248-1	5.799	4.876	33471805	362.9E6	950.427	965.133
22) L5 AR-1248-2	6.071	5.095	44816839	226.9E6	951.326	964.032
23) L5 AR-1248-3	6.274	5.136	49477903	258.9E6	894.849	947.454m
24) L5 AR-1248-4	6.672	5.309	60435029	264.9E6	944.739	969.626
25) L5 AR-1248-5	6.711	5.698	58134534	532.0E6	941.586	994.127

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 12:41
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

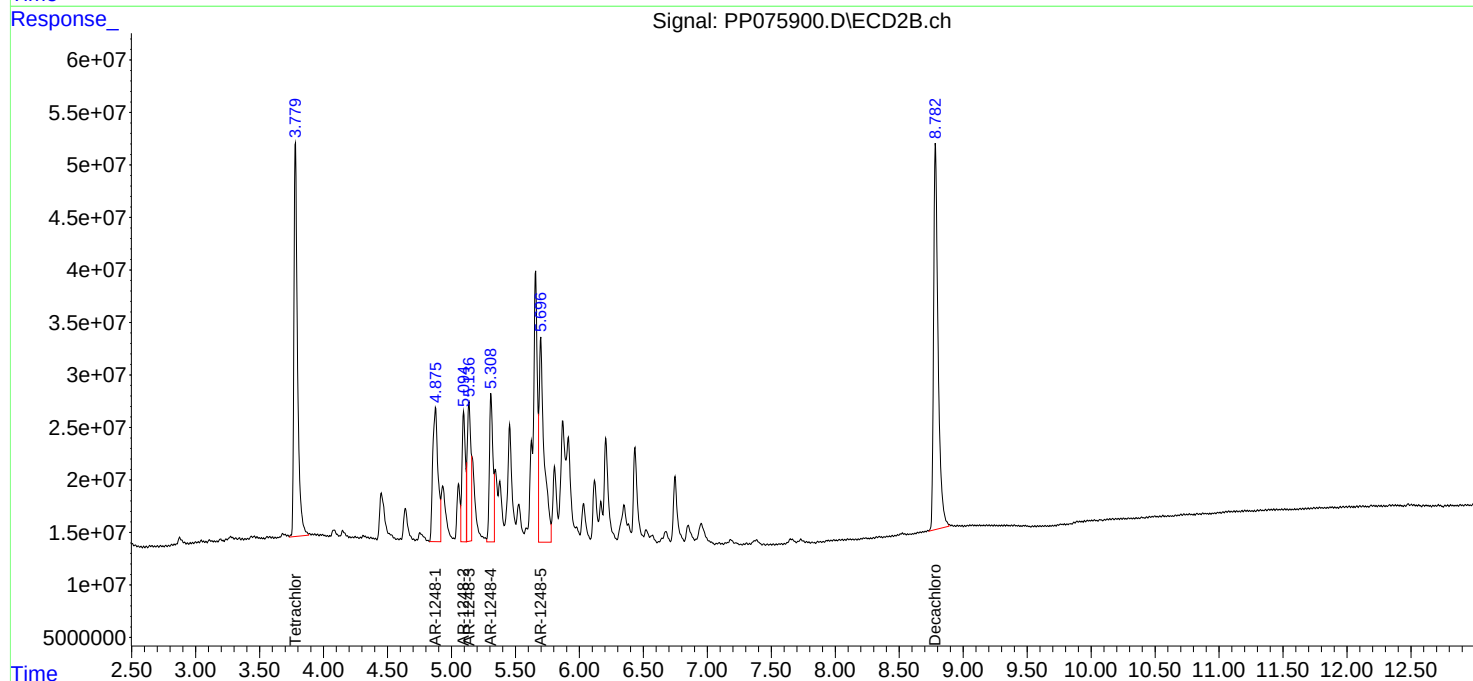
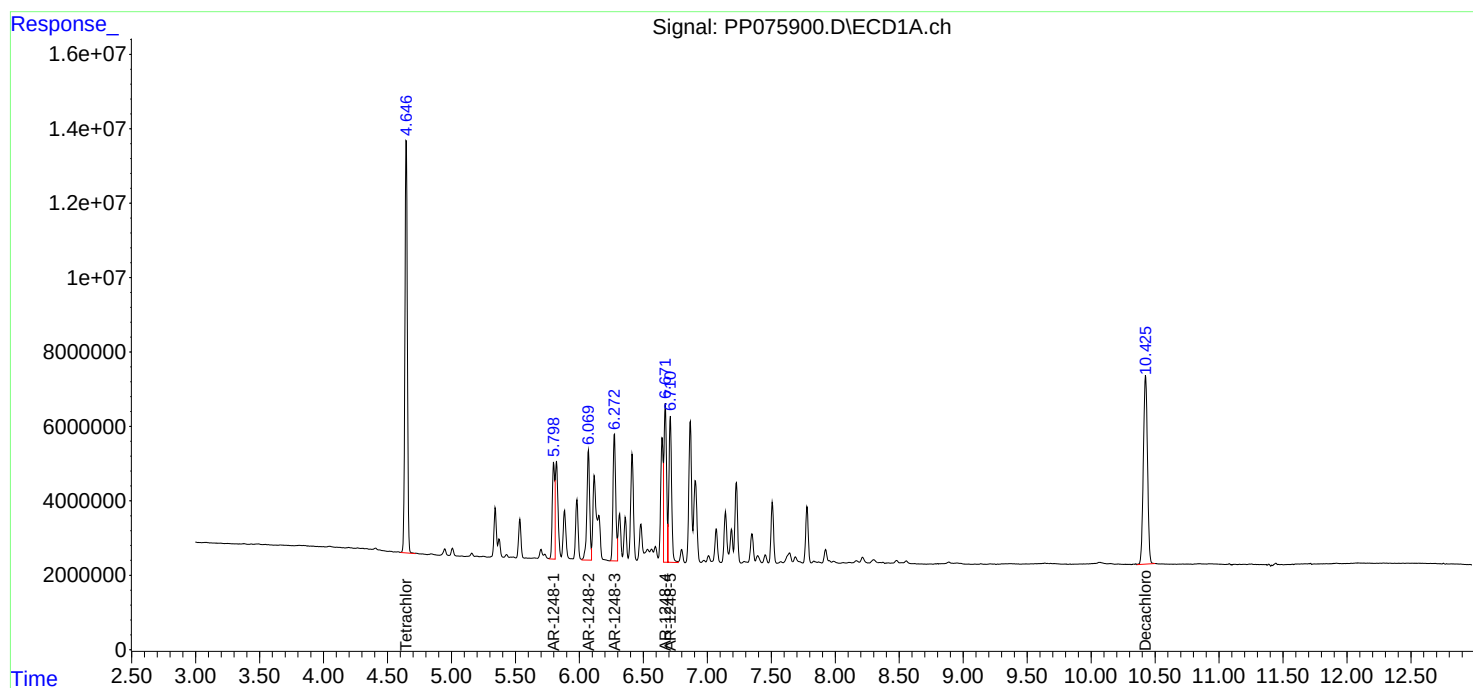
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 14:17:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 14:13:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: PP075900.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.647 min
Delta R.T.: 0.000 min
Response: 146870104
Conc: 97.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Time

Response_ Signal: PP075900.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 734392673
Conc: 99.40 ng/ml

Time

Response_ Signal: PP075900.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 10.426 min
Delta R.T.: 0.000 min
Response: 114063753
Conc: 95.68 ng/ml

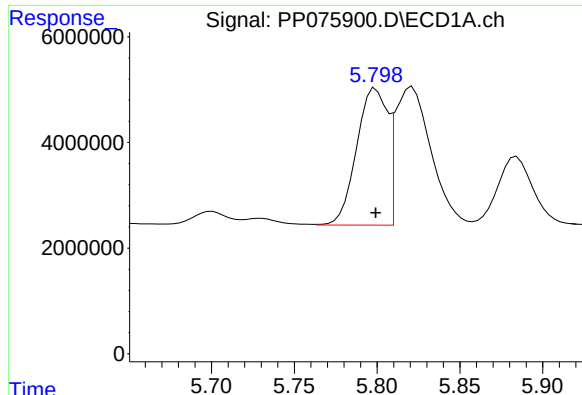
Time

Response_ Signal: PP075900.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.783 min
Delta R.T.: 0.000 min
Response: 899520487
Conc: 98.50 ng/ml

Time



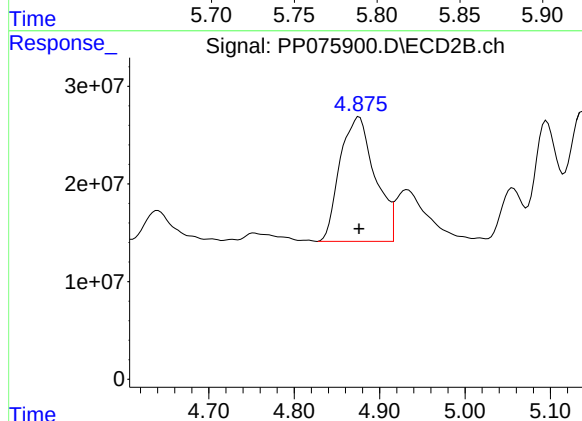
#21 AR-1248-1

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 33471805
Conc: 950.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

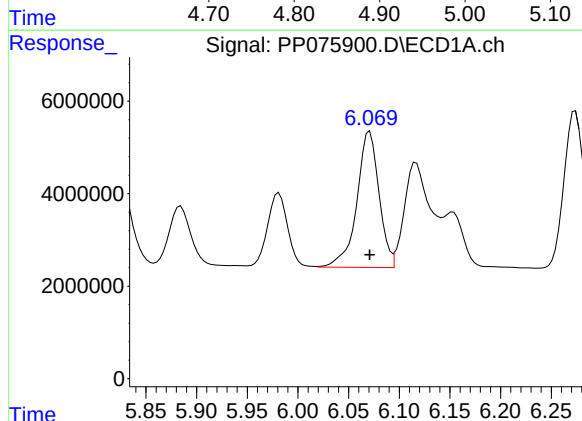
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



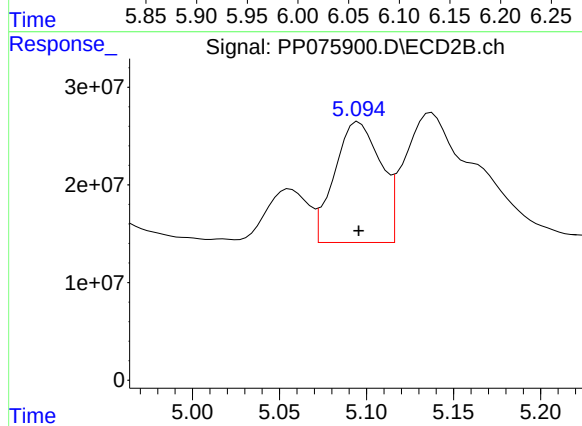
#21 AR-1248-1

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 362937087
Conc: 965.13 ng/ml



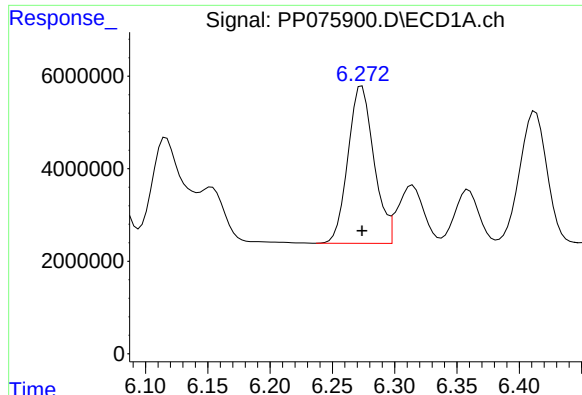
#22 AR-1248-2

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 44816839
Conc: 951.33 ng/ml



#22 AR-1248-2

R.T.: 5.095 min
Delta R.T.: 0.000 min
Response: 226906631
Conc: 964.03 ng/ml



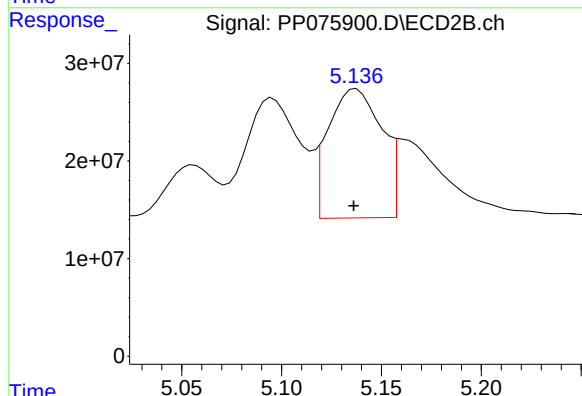
#23 AR-1248-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 49477903
Conc: 894.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

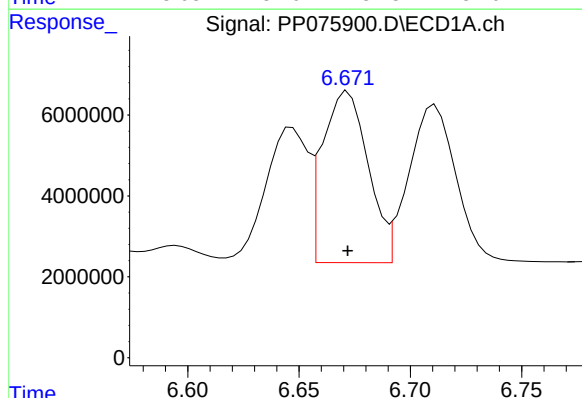
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



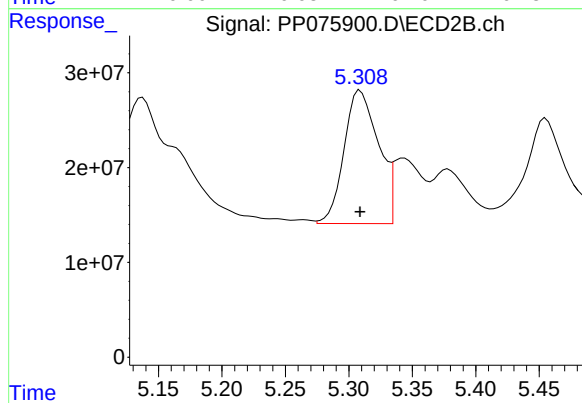
#23 AR-1248-3

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 258884180
Conc: 947.45 ng/ml m



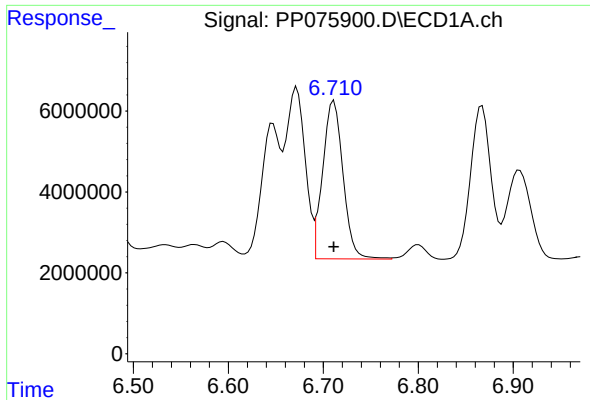
#24 AR-1248-4

R.T.: 6.672 min
Delta R.T.: 0.000 min
Response: 60435029
Conc: 944.74 ng/ml



#24 AR-1248-4

R.T.: 5.309 min
Delta R.T.: 0.000 min
Response: 264944699
Conc: 969.63 ng/ml



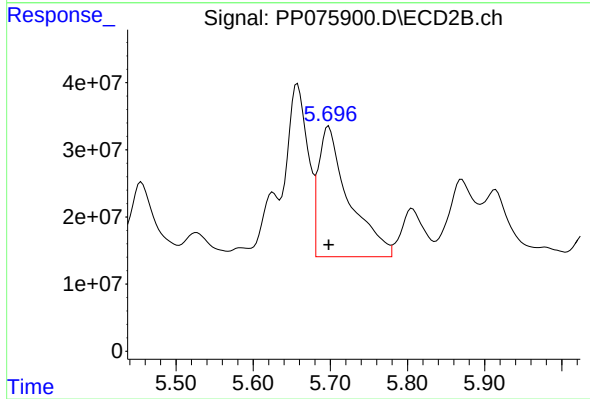
#25 AR-1248-5

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 58134534
Conc: 941.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#25 AR-1248-5

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 531974990
Conc: 994.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075901.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 12:57
 Operator : YP\AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 14:20:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 14:13:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.644	3.784	114.7E6	562.2E6	75.534	75.729
2) SA Decachlor...	10.422	8.784	89301082	688.2E6	74.939	75.236
Target Compounds						
21) L5 AR-1248-1	5.797	4.879	26839141	281.7E6	758.019	749.338
22) L5 AR-1248-2	6.068	5.099	35688032	181.4E6	755.016	763.662
23) L5 AR-1248-3	6.271	5.139	39334925	200.6E6	723.821	728.506m
24) L5 AR-1248-4	6.670	5.311	48125398	216.4E6	751.539	777.551
25) L5 AR-1248-5	6.709	5.701	46284863	398.2E6	749.774	746.121

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 12:57
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

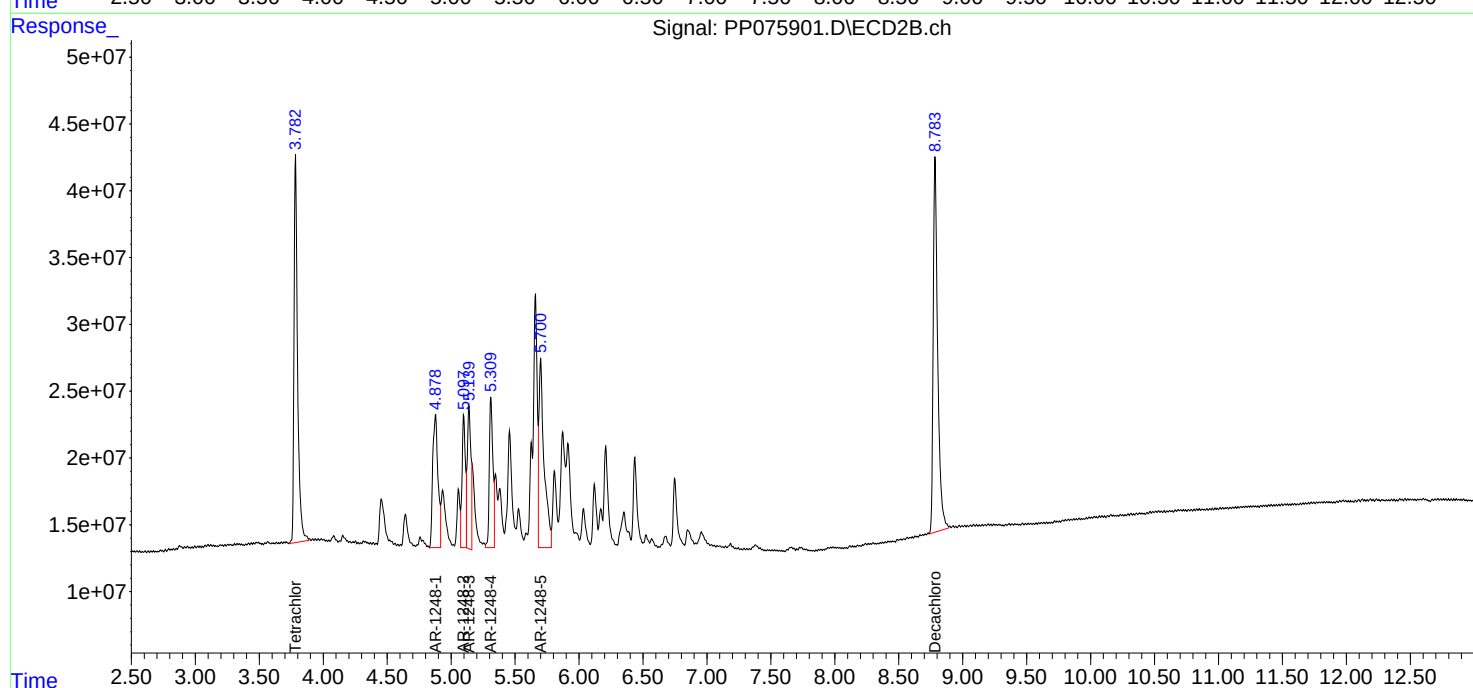
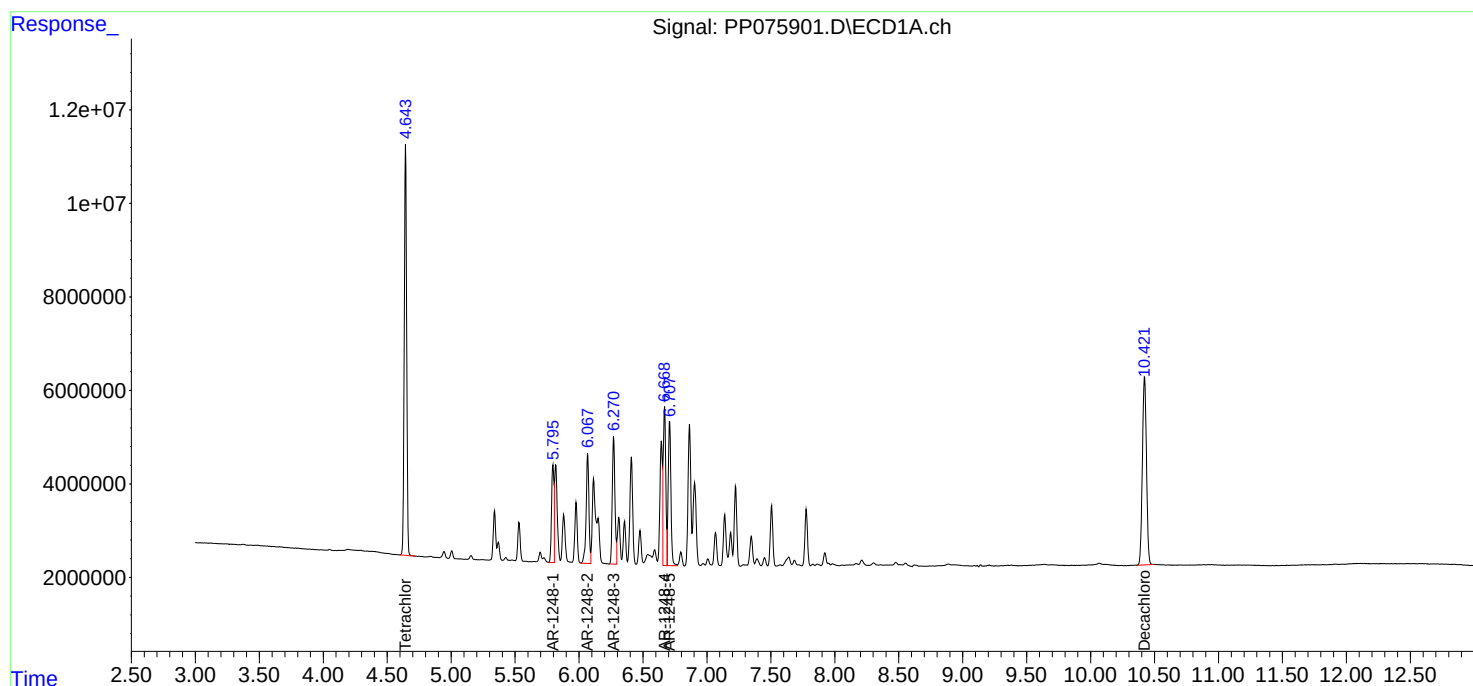
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

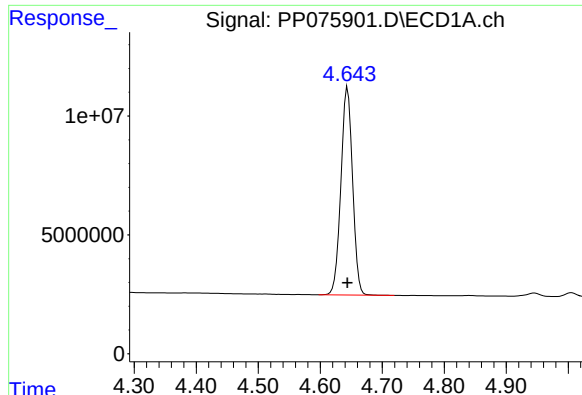
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 14:20:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 14:13:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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





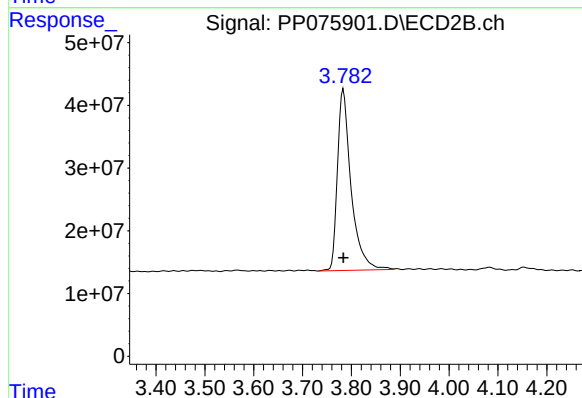
#1 Tetrachloro-m-xylene

R.T.: 4.644 min
Delta R.T.: 0.000 min
Response: 114730816
Conc: 75.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

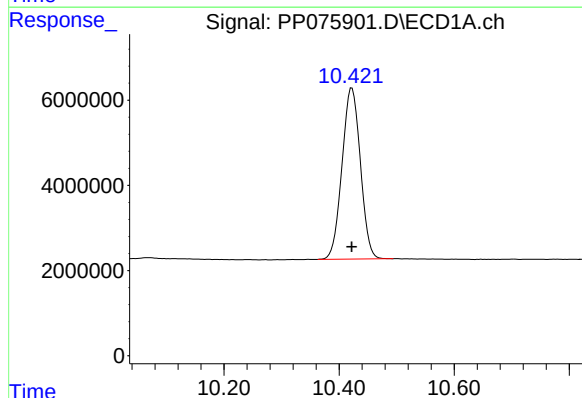
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



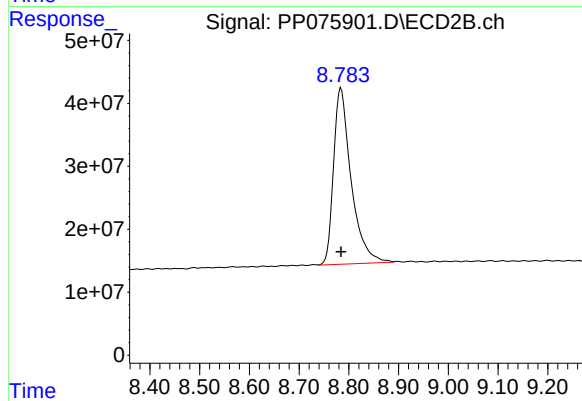
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.000 min
Response: 562221293
Conc: 75.73 ng/ml



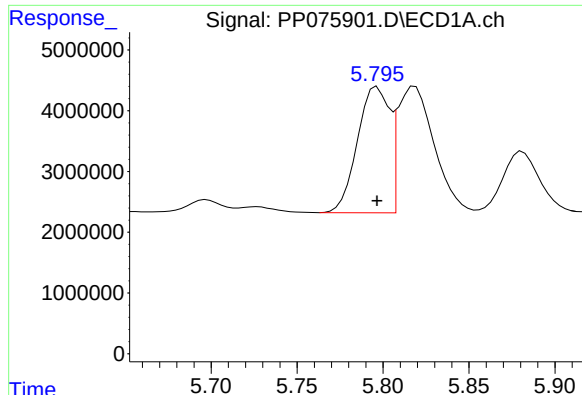
#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 89301082
Conc: 74.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 688178922
Conc: 75.24 ng/ml



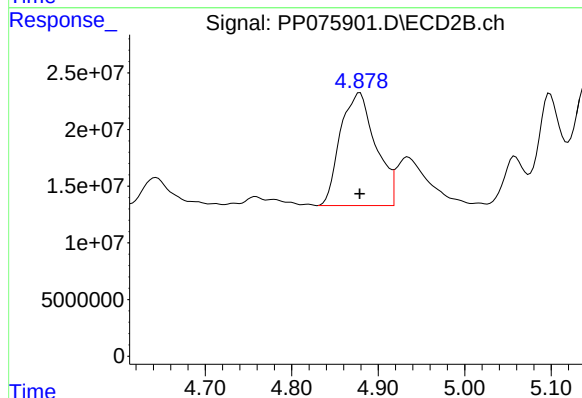
#21 AR-1248-1

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 26839141
Conc: 758.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

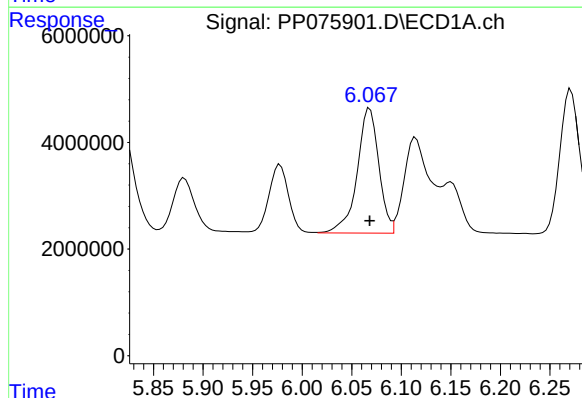
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



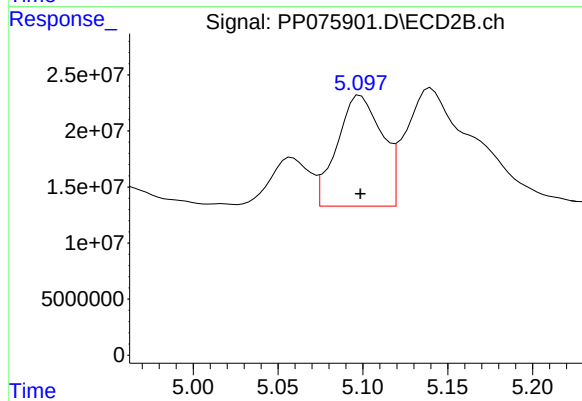
#21 AR-1248-1

R.T.: 4.879 min
Delta R.T.: 0.000 min
Response: 281663359
Conc: 749.34 ng/ml



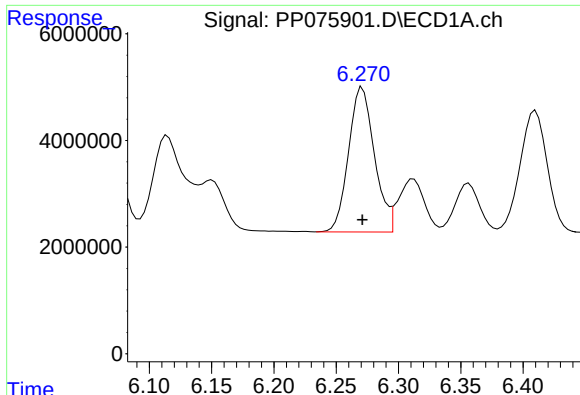
#22 AR-1248-2

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 35688032
Conc: 755.02 ng/ml



#22 AR-1248-2

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 181397265
Conc: 763.66 ng/ml



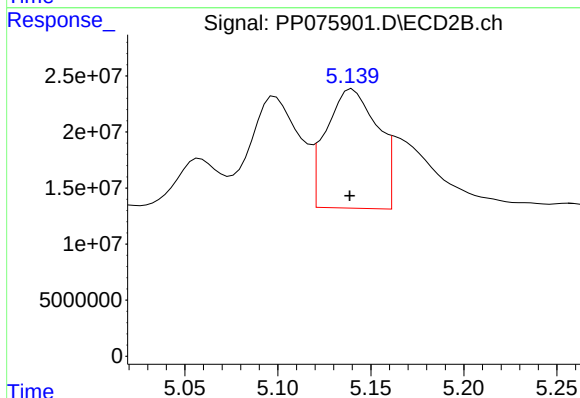
#23 AR-1248-3

R.T.: 6.271 min
Delta R.T.: 0.000 min
Response: 39334925
Conc: 723.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

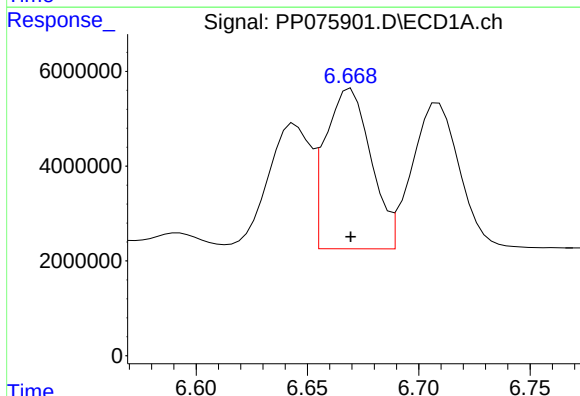
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



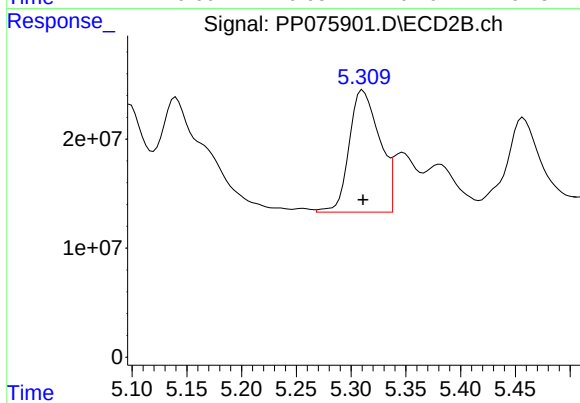
#23 AR-1248-3

R.T.: 5.139 min
Delta R.T.: 0.000 min
Response: 200585505
Conc: 728.51 ng/ml m



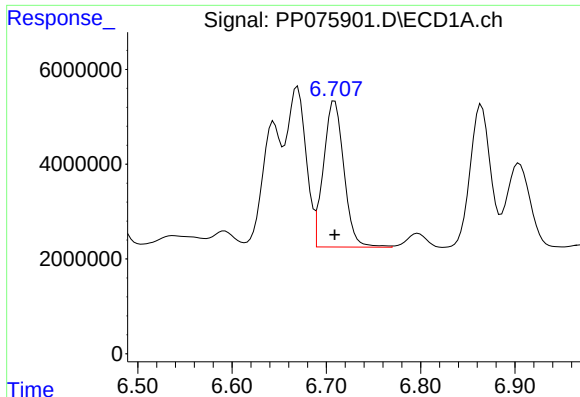
#24 AR-1248-4

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 48125398
Conc: 751.54 ng/ml



#24 AR-1248-4

R.T.: 5.311 min
Delta R.T.: 0.000 min
Response: 216436626
Conc: 777.55 ng/ml



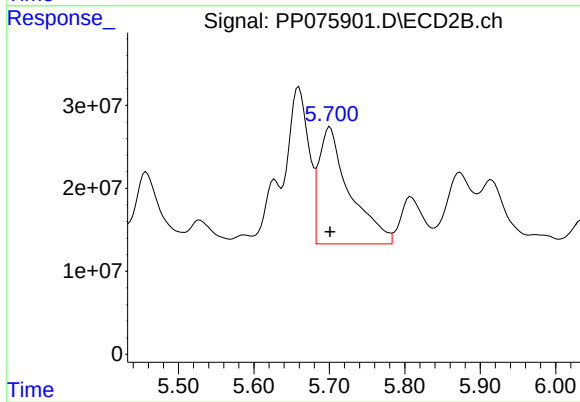
#25 AR-1248-5

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 46284863
Conc: 749.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/25/2025



#25 AR-1248-5

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 398232358
Conc: 746.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 13:13
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 14:13:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 14:13:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.645	3.784	77916247	371.6E6	50.000	50.000
2) SA Decachlor...	10.424	8.784	62181174	463.5E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.798	4.877	18481760	194.6E6	500.000	500.000
22) L5 AR-1248-2	6.069	5.098	24701455	121.9E6	500.000	500.000
23) L5 AR-1248-3	6.273	5.138	30552968	143.0E6	500.000	491.112m
24) L5 AR-1248-4	6.671	5.312	33752591	140.8E6	500.000	500.000
25) L5 AR-1248-5	6.710	5.701	32673818	269.1E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 13:13
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1248ICC500

Manual Integrations

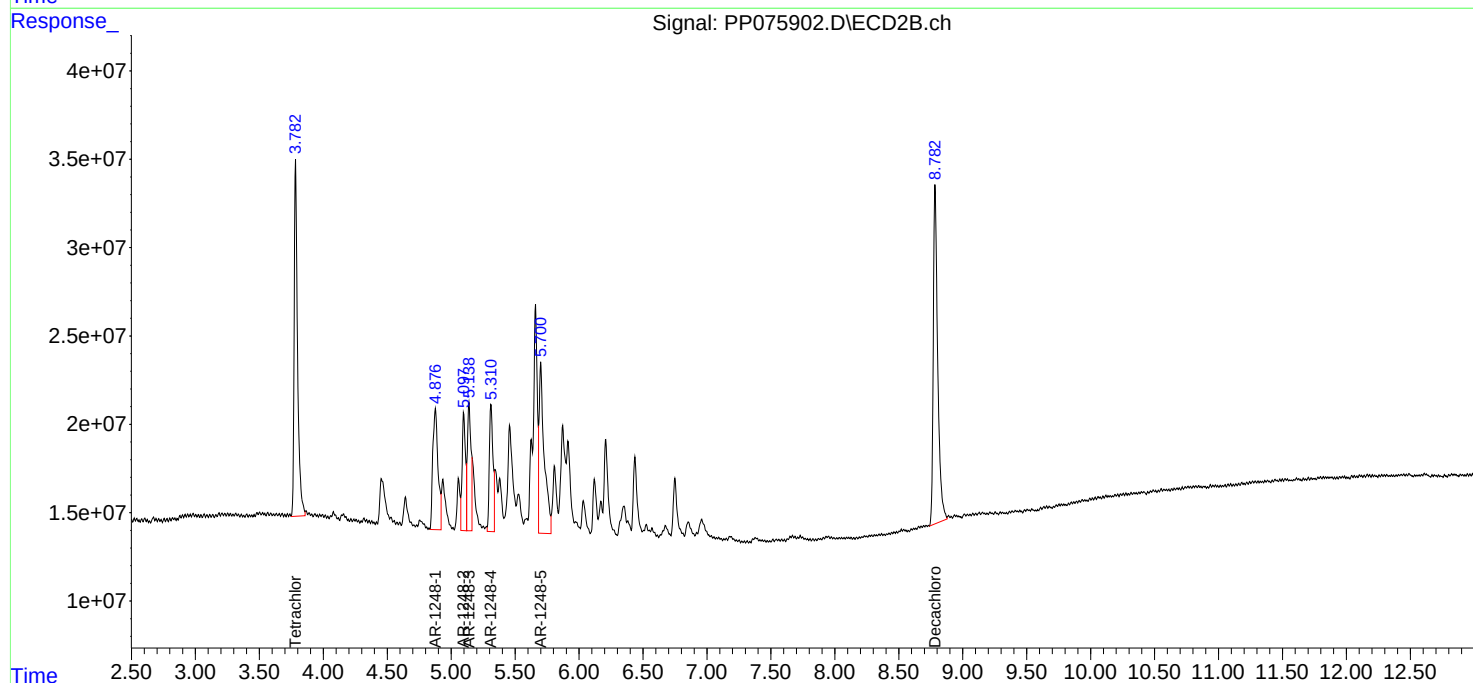
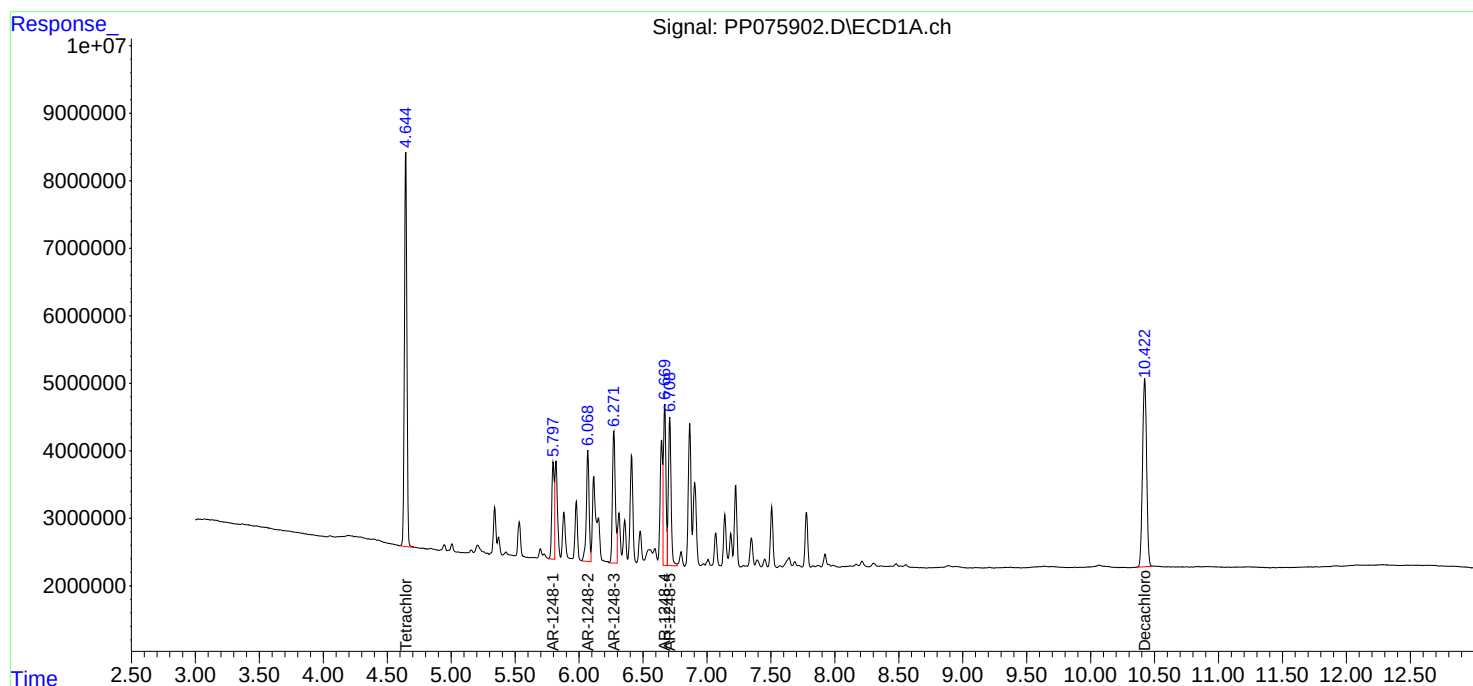
APPROVED

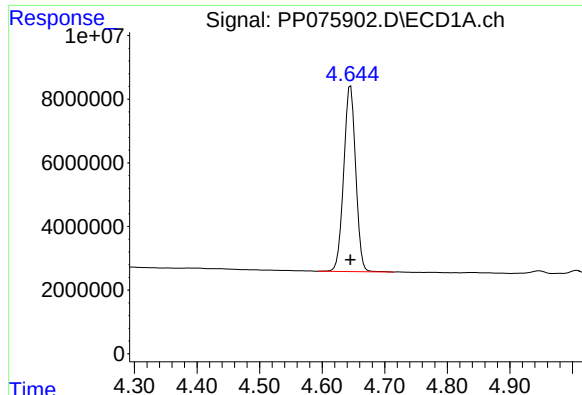
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 14:13:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 14:13:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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





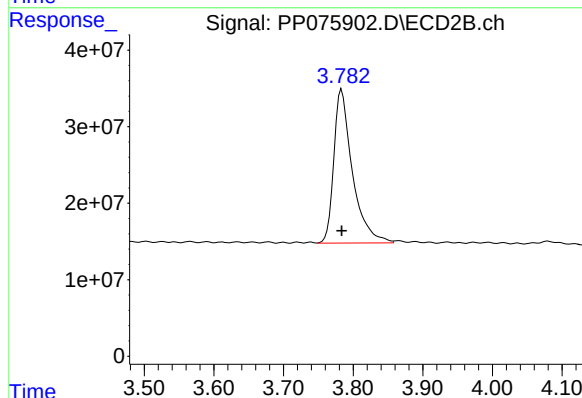
#1 Tetrachloro-m-xylene

R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 77916247
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

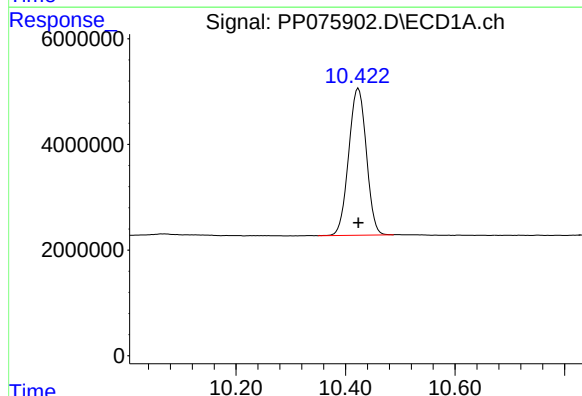
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



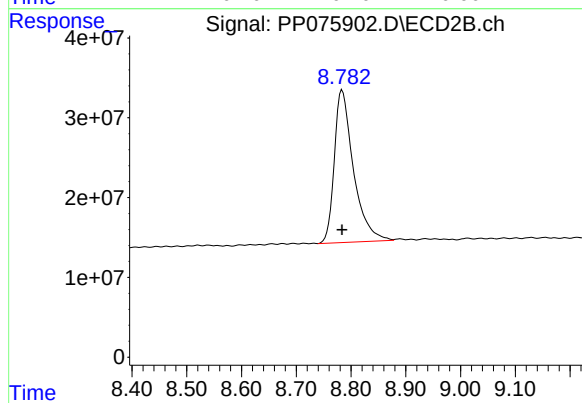
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.000 min
Response: 371607855
Conc: 50.00 ng/ml



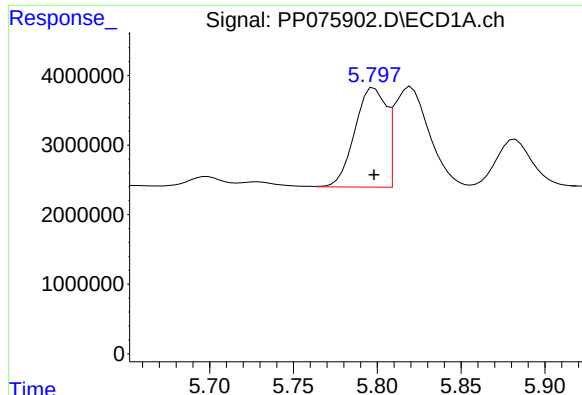
#2 Decachlorobiphenyl

R.T.: 10.424 min
Delta R.T.: 0.000 min
Response: 62181174
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 463498702
Conc: 50.00 ng/ml



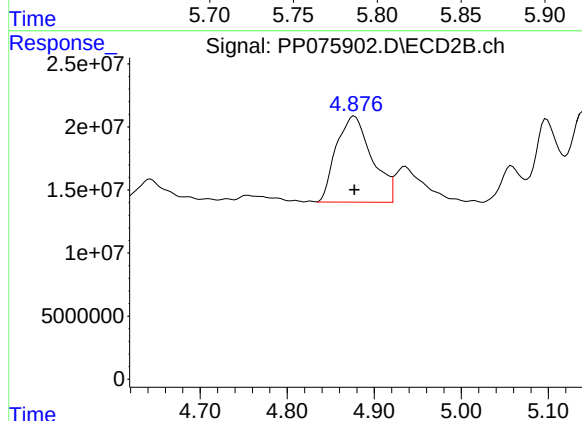
#21 AR-1248-1

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 18481760
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

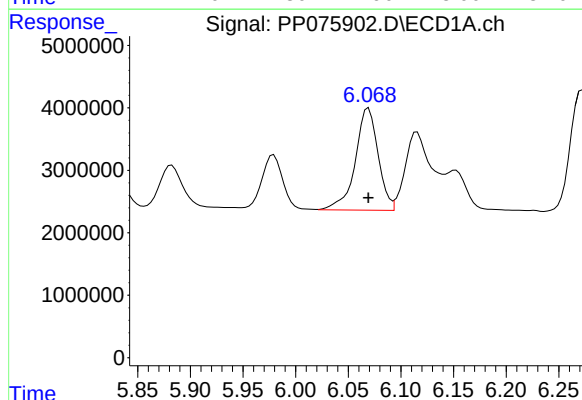
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



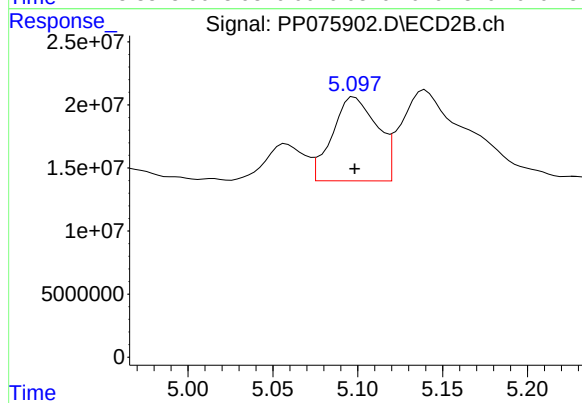
#21 AR-1248-1

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 194580429
Conc: 500.00 ng/ml



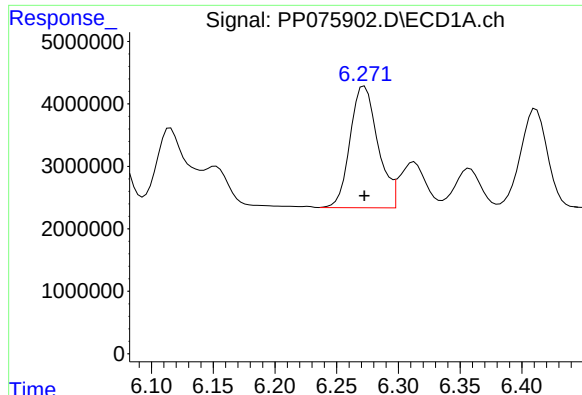
#22 AR-1248-2

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 24701455
Conc: 500.00 ng/ml



#22 AR-1248-2

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 121919207
Conc: 500.00 ng/ml



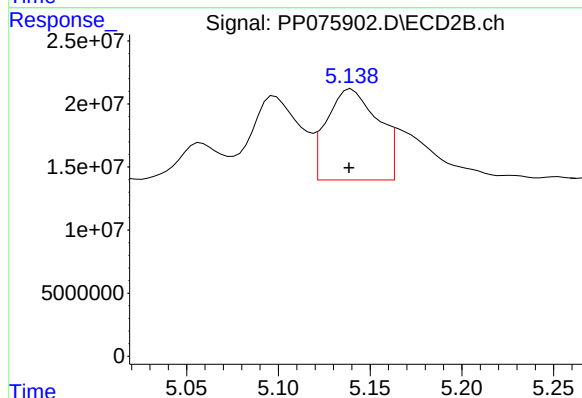
#23 AR-1248-3

R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 30552968
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

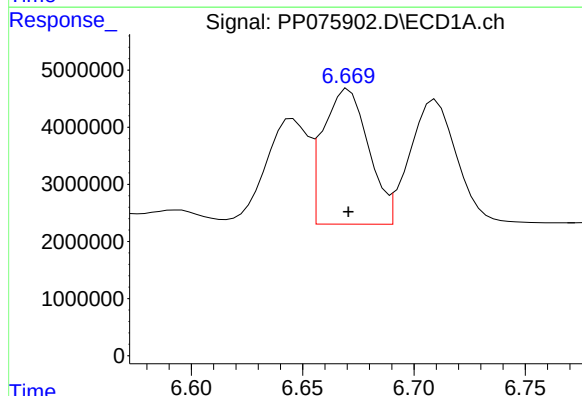
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



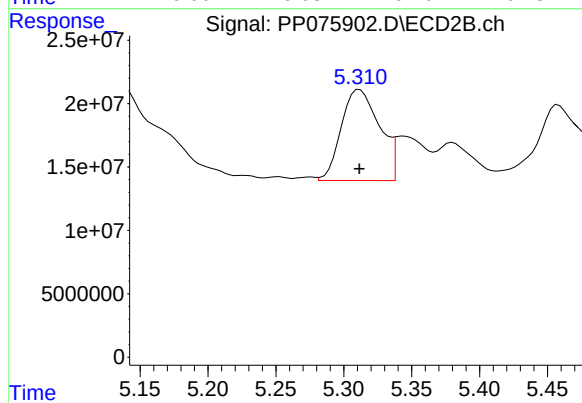
#23 AR-1248-3

R.T.: 5.138 min
Delta R.T.: 0.000 min
Response: 143020593
Conc: 491.11 ng/ml m



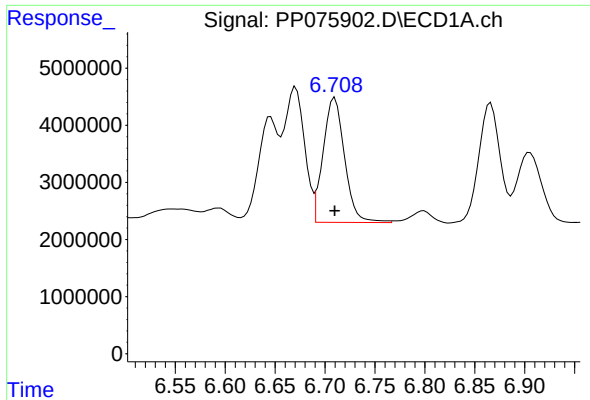
#24 AR-1248-4

R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 33752591
Conc: 500.00 ng/ml



#24 AR-1248-4

R.T.: 5.312 min
Delta R.T.: 0.000 min
Response: 140771774
Conc: 500.00 ng/ml



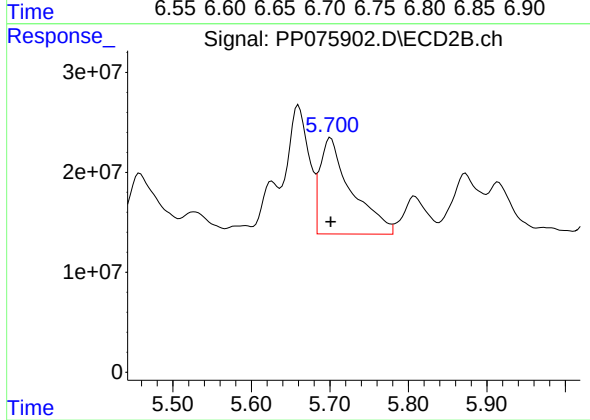
#25 AR-1248-5

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 32673818
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#25 AR-1248-5

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 269130164
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075903.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 13:30
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 14:24:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 14:13:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.783	40662408	178.1E6	26.305	24.238
2) SA Decachlor...	10.423	8.784	32672168	226.3E6	26.770	24.802
Target Compounds						
21) L5 AR-1248-1	5.799	4.878	9780476	97652835	269.170	257.276
22) L5 AR-1248-2	6.070	5.099	13110467	64450290	269.977	265.662
23) L5 AR-1248-3	6.273	5.138	14333820	75193193	260.182	273.023m
24) L5 AR-1248-4	6.671	5.312	18043522	71202640	273.096	254.322
25) L5 AR-1248-5	6.710	5.701	17824378	145.0E6	277.971	265.917

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 13:30
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1248ICC250

Manual Integrations

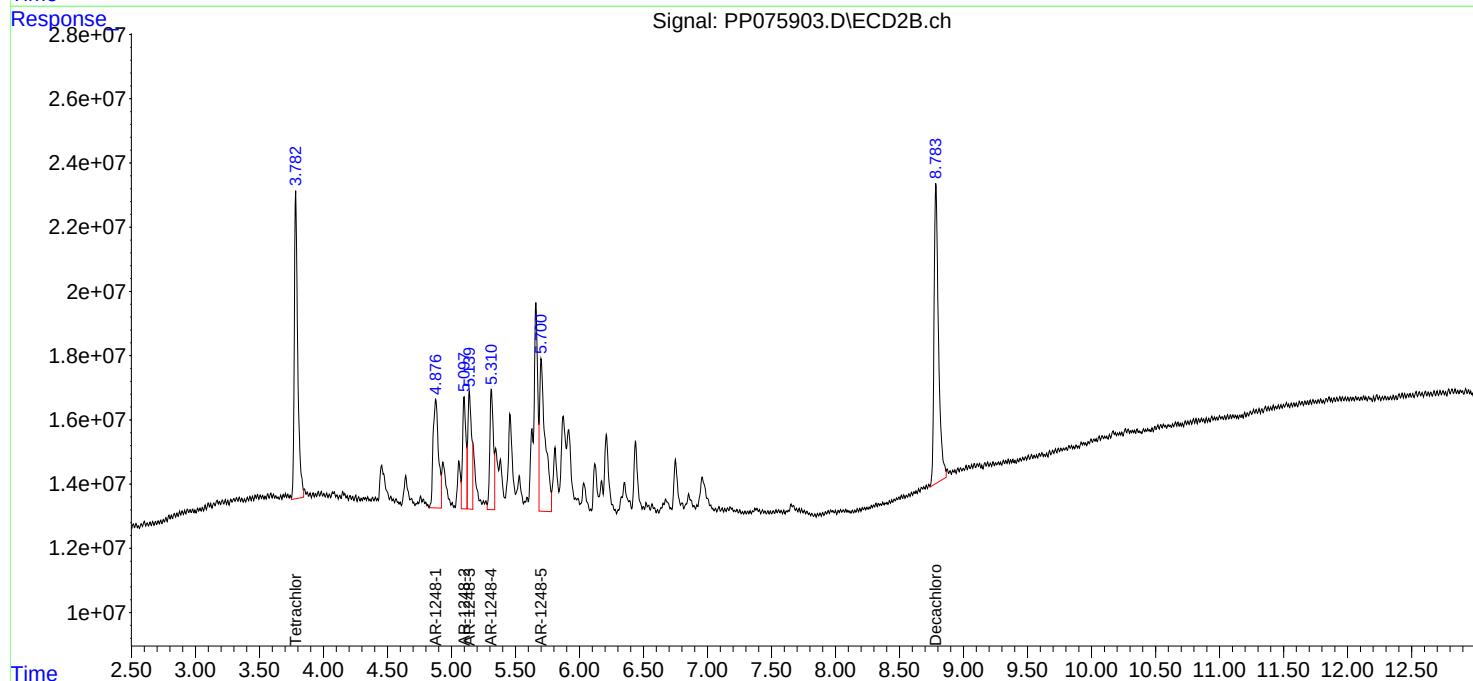
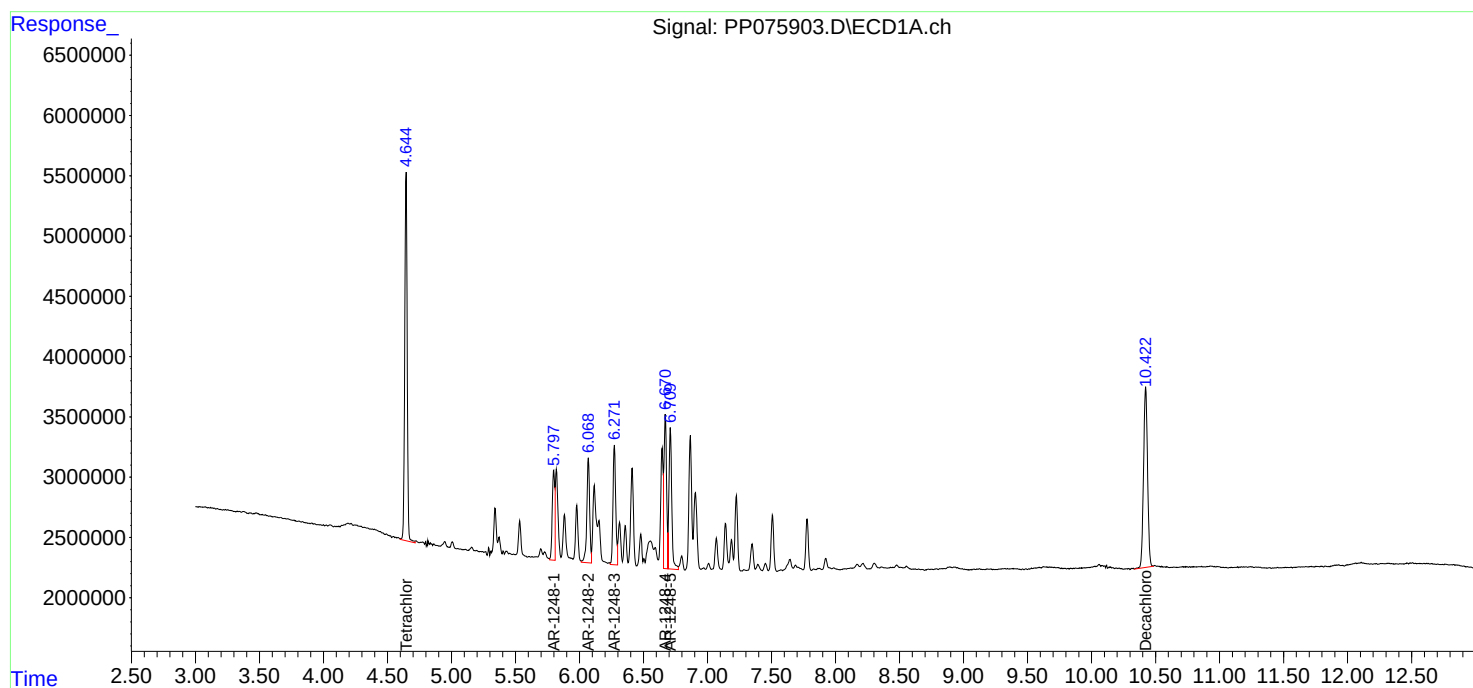
APPROVED

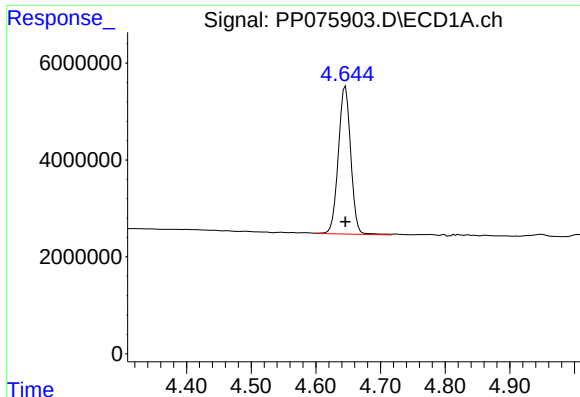
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 14:24:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 14:13:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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





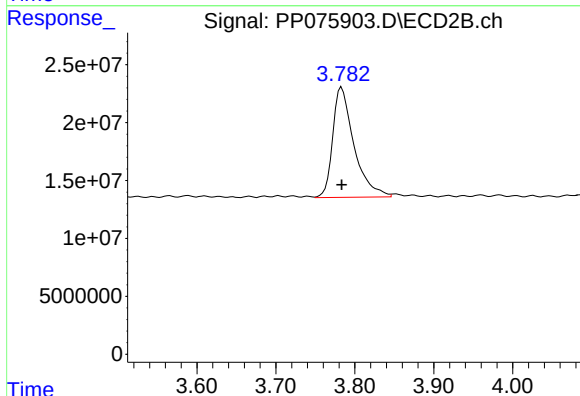
#1 Tetrachloro-m-xylene

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 40662408
Conc: 26.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

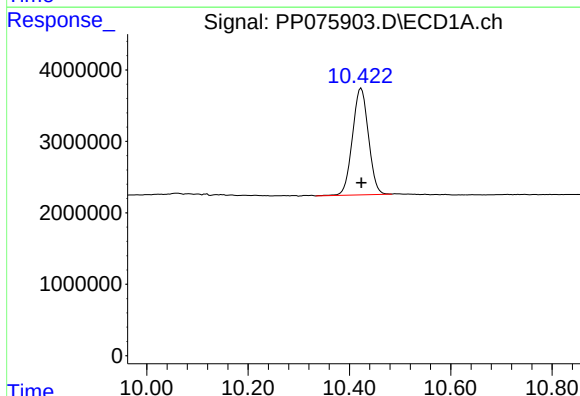
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



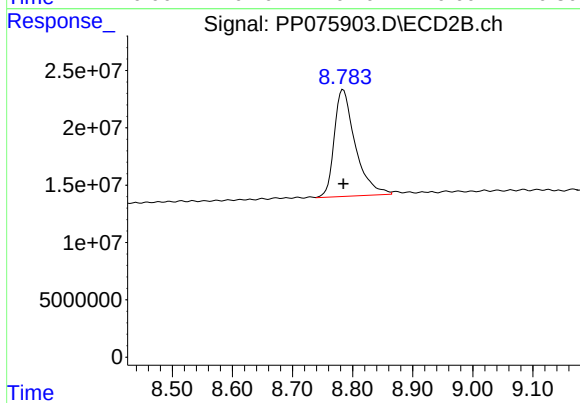
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.000 min
Response: 178134040
Conc: 24.24 ng/ml



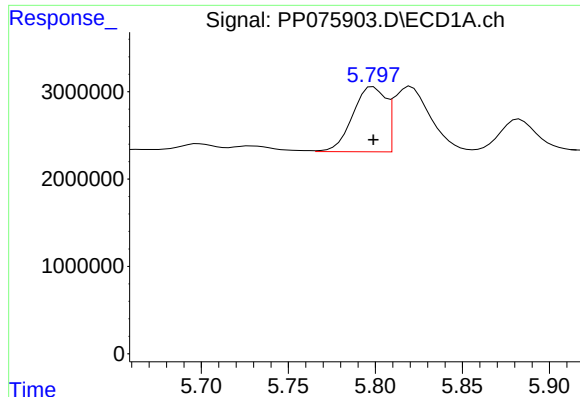
#2 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: 0.000 min
Response: 32672168
Conc: 26.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 226265629
Conc: 24.80 ng/ml



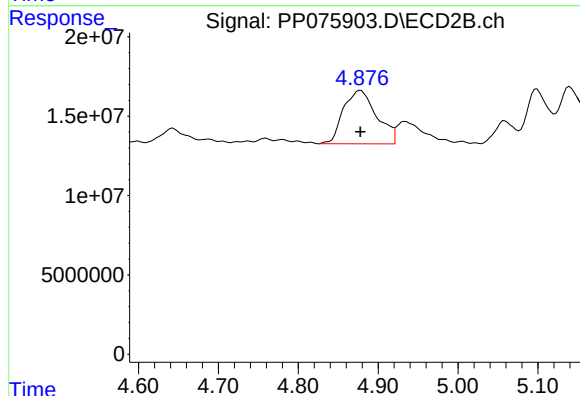
#21 AR-1248-1

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 9780476
Conc: 269.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

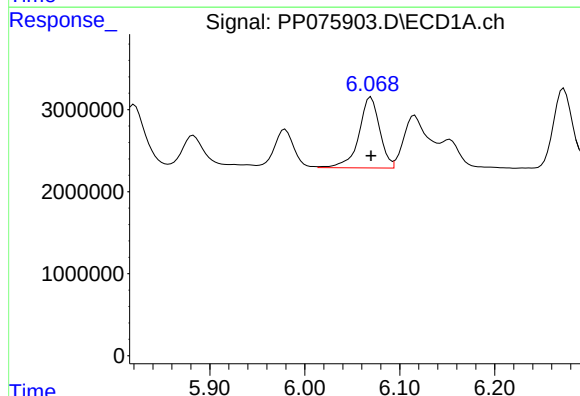
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



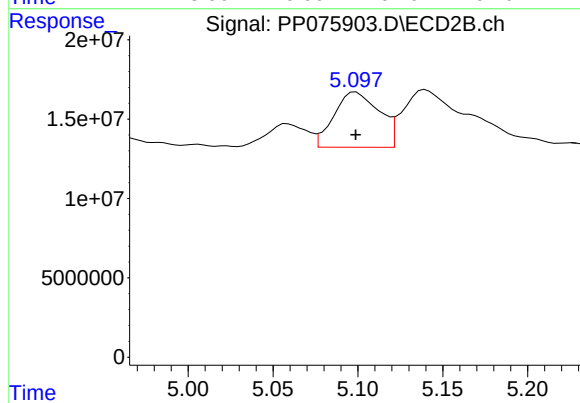
#21 AR-1248-1

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 97652835
Conc: 257.28 ng/ml



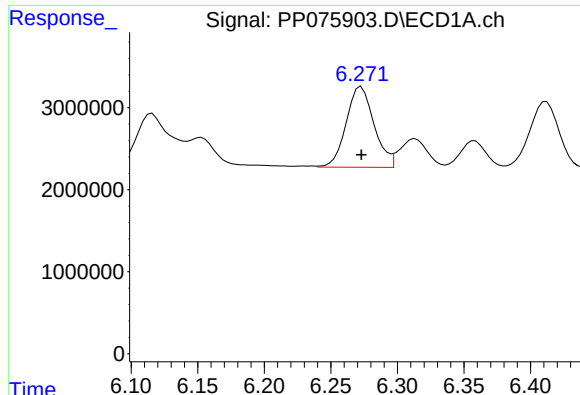
#22 AR-1248-2

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 13110467
Conc: 269.98 ng/ml



#22 AR-1248-2

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 64450290
Conc: 265.66 ng/ml



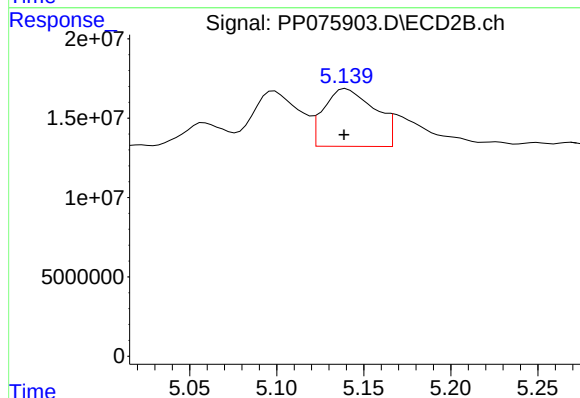
#23 AR-1248-3

R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 14333820
Conc: 260.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

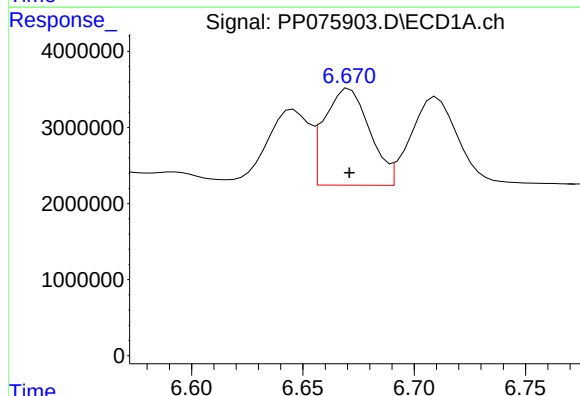
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



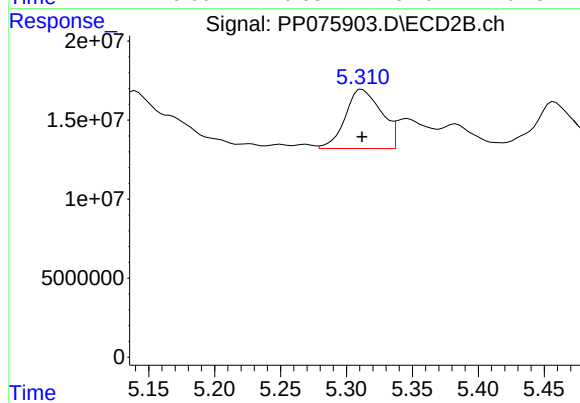
#23 AR-1248-3

R.T.: 5.138 min
Delta R.T.: 0.000 min
Response: 75193193
Conc: 273.02 ng/ml m



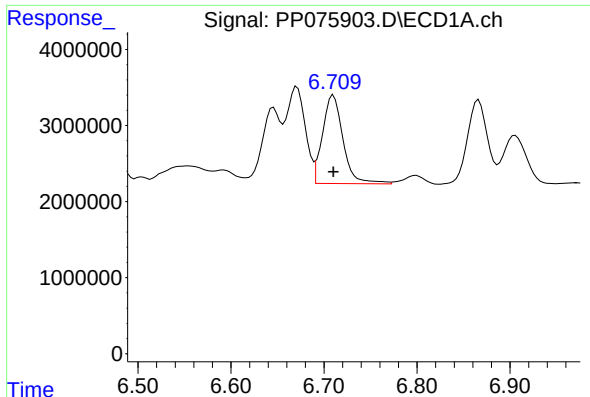
#24 AR-1248-4

R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 18043522
Conc: 273.10 ng/ml



#24 AR-1248-4

R.T.: 5.312 min
Delta R.T.: 0.000 min
Response: 71202640
Conc: 254.32 ng/ml



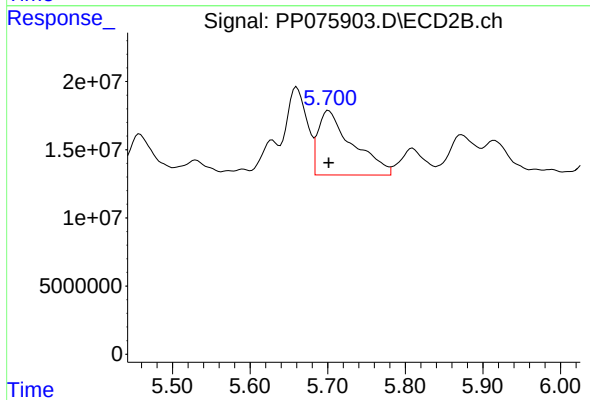
#25 AR-1248-5

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 17824378
Conc: 277.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#25 AR-1248-5

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 145007619
Conc: 265.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075904.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 13:46
 Operator : YP\AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 14:29:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 14:13:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.645	3.780	7254273	27080772	4.751	3.914m
2) SA Decachlor...	10.422	8.783	6253432	36720401	5.099	4.188
Target Compounds						
21) L5 AR-1248-1	5.798	4.873	1700512	17991268	47.407	47.898
22) L5 AR-1248-2	6.069	5.101	2473817	12956514	50.751	52.688
23) L5 AR-1248-3	6.273	5.138	2547901	16065921	46.953	56.000
24) L5 AR-1248-4	6.669	5.313	3376964	14683789	49.218m	51.704m
25) L5 AR-1248-5	6.708	5.730	3390515	20852592	50.206m	38.783m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 13:46
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

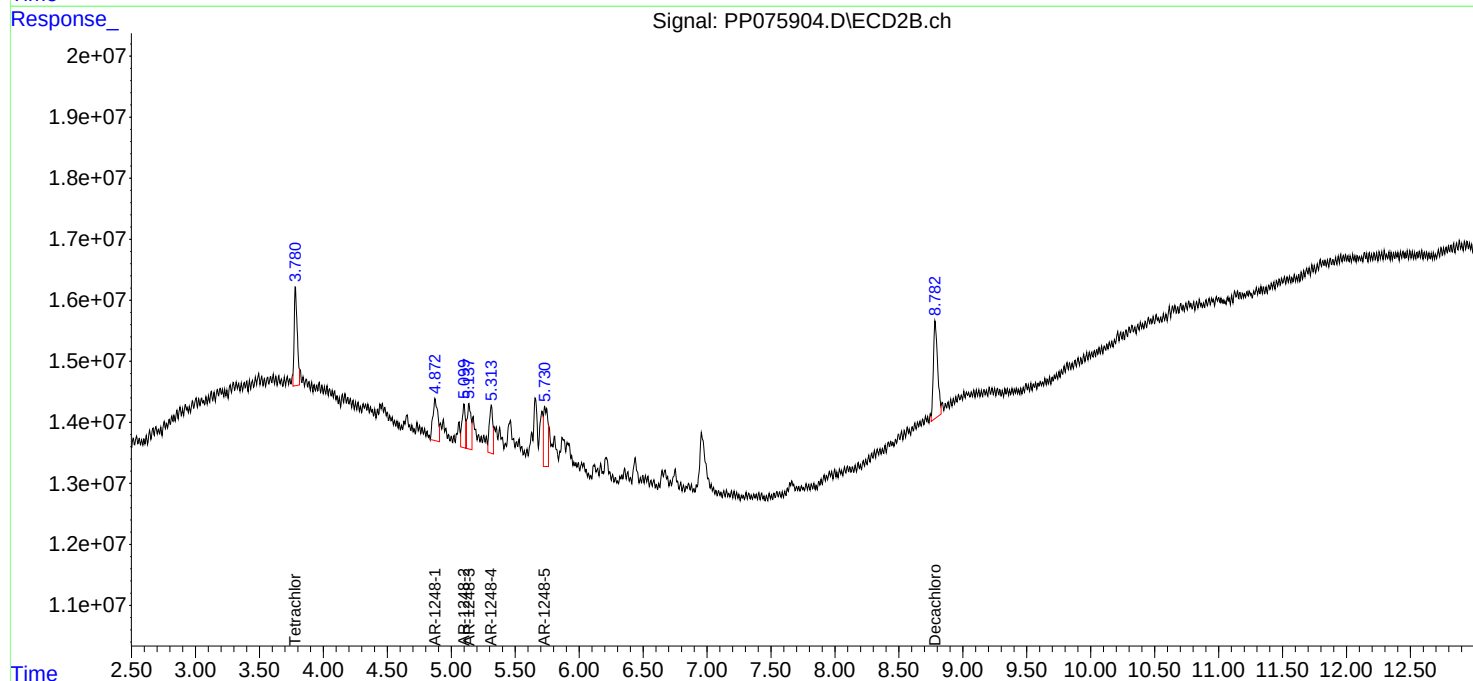
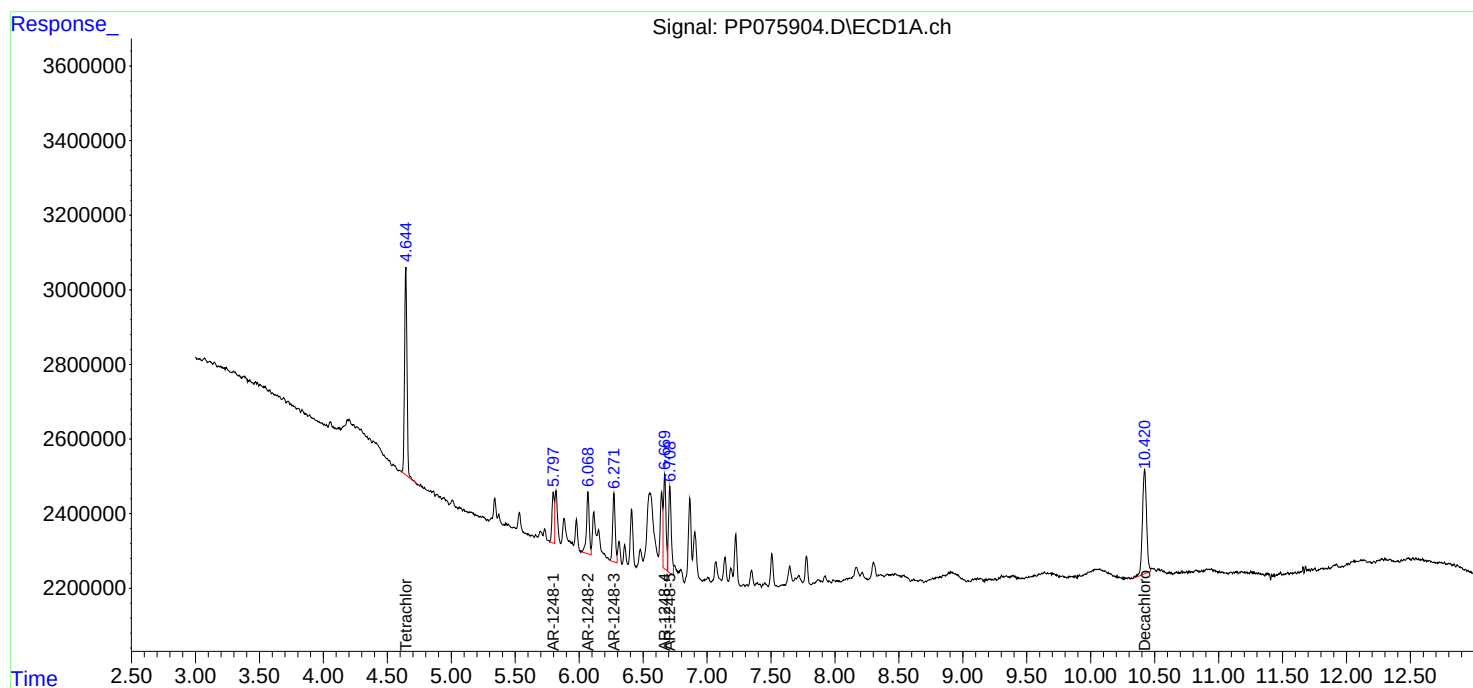
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

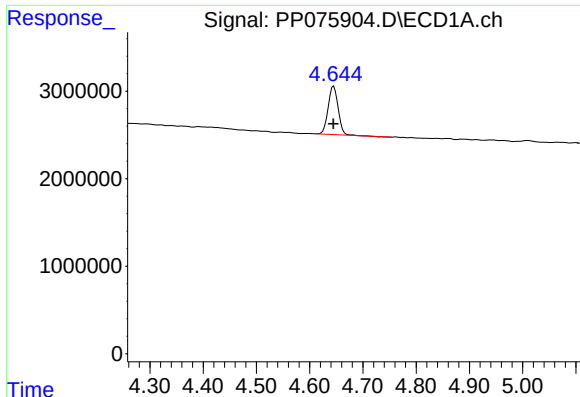
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 14:29:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 14:13:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 7254273
Conc: 4.75 ng/ml

Instrument :

ECD_P

ClientSampleId :

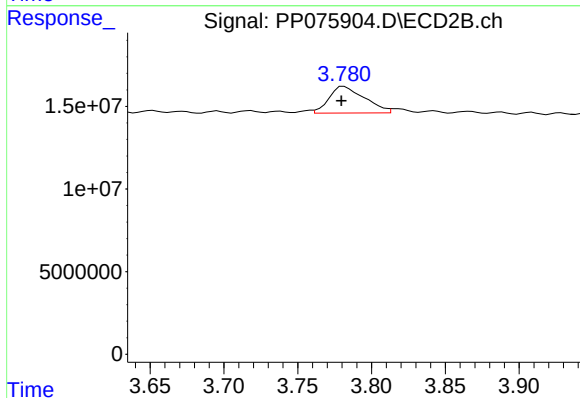
AR1248ICC050

Manual Integrations

APPROVED

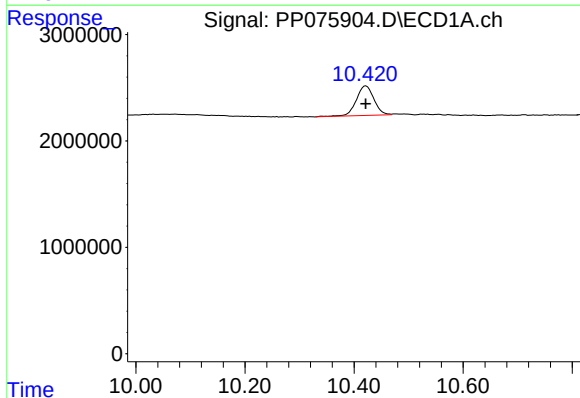
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025



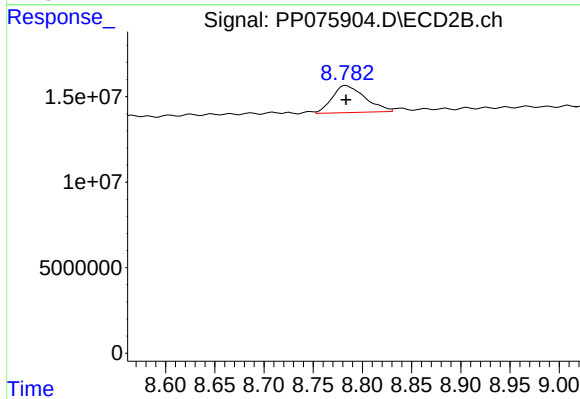
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 27080772
Conc: 3.91 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 6253432
Conc: 5.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.783 min
Delta R.T.: 0.000 min
Response: 36720401
Conc: 4.19 ng/ml

Response_ Signal: PP075904.D\ECD1A.ch

#21 AR-1248-1

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 1700512
Conc: 47.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Time

Response_ Signal: PP075904.D\ECD2B.ch

#21 AR-1248-1

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 17991268
Conc: 47.90 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

#22 AR-1248-2

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 2473817
Conc: 50.75 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#22 AR-1248-2

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 12956514
Conc: 52.69 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

#21 AR-1248-1

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 1700512
Conc: 47.41 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#21 AR-1248-1

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 17991268
Conc: 47.90 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

#22 AR-1248-2

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 2473817
Conc: 50.75 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#22 AR-1248-2

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 12956514
Conc: 52.69 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

#21 AR-1248-1

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 1700512
Conc: 47.41 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#21 AR-1248-1

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 17991268
Conc: 47.90 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

#22 AR-1248-2

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 2473817
Conc: 50.75 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#22 AR-1248-2

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 12956514
Conc: 52.69 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

#21 AR-1248-1

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 1700512
Conc: 47.41 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#21 AR-1248-1

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 17991268
Conc: 47.90 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

#22 AR-1248-2

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 2473817
Conc: 50.75 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#22 AR-1248-2

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 12956514
Conc: 52.69 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

#21 AR-1248-1

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 1700512
Conc: 47.41 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#21 AR-1248-1

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 17991268
Conc: 47.90 ng/ml

Time

Response_ Signal: PP075904.D\ECD1A.ch

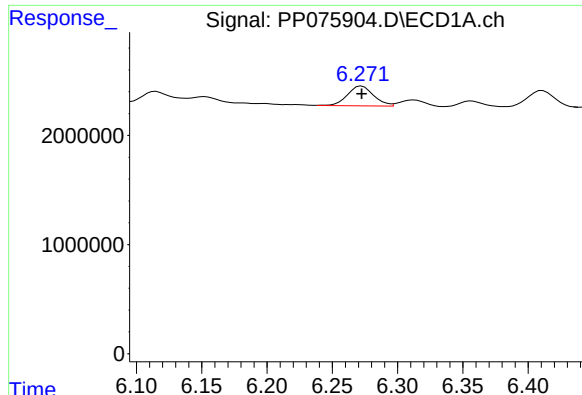
#22 AR-1248-2

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 2473817
Conc: 50.75 ng/ml

Time

Response_ Signal: PP075904.D\ECD2B.ch

#22 AR-1248-2



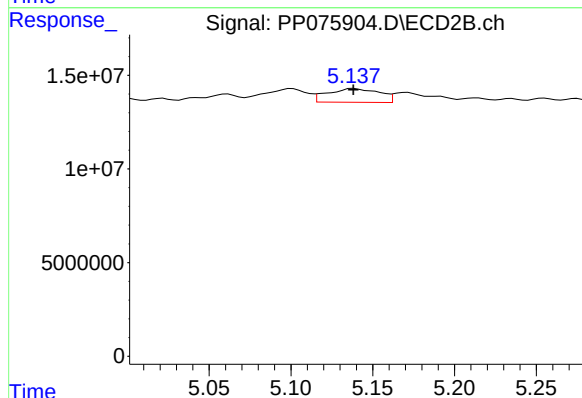
#23 AR-1248-3

R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 2547901
Conc: 46.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

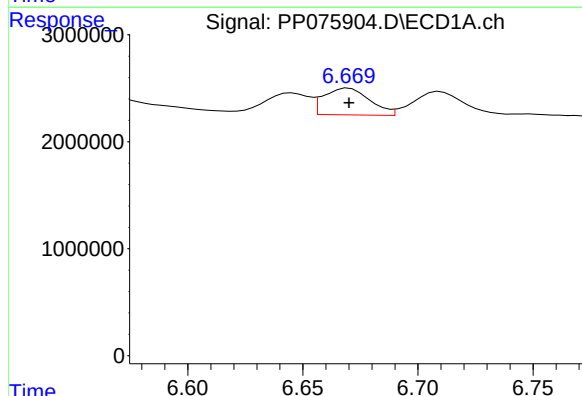
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



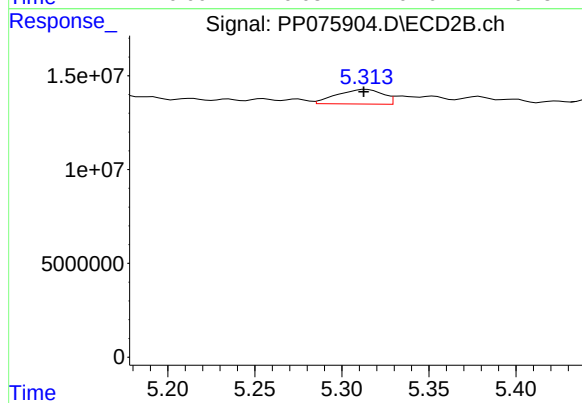
#23 AR-1248-3

R.T.: 5.138 min
Delta R.T.: 0.000 min
Response: 16065921
Conc: 56.00 ng/ml



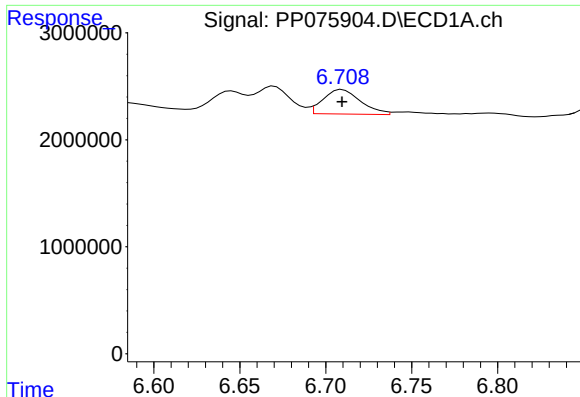
#24 AR-1248-4

R.T.: 6.669 min
Delta R.T.: -0.001 min
Response: 3376964
Conc: 49.22 ng/ml m



#24 AR-1248-4

R.T.: 5.313 min
Delta R.T.: 0.000 min
Response: 14683789
Conc: 51.70 ng/ml m



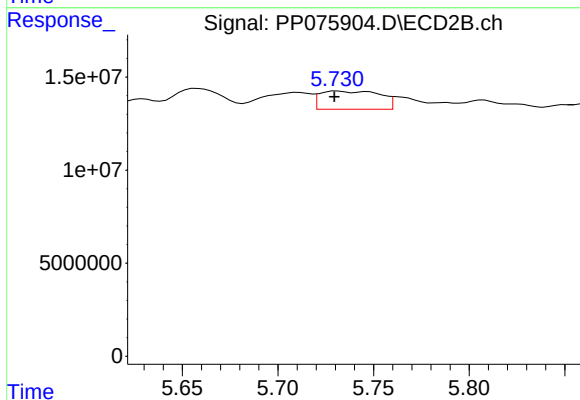
#25 AR-1248-5

R.T.: 6.708 min
Delta R.T.: -0.001 min
Response: 3390515
Conc: 50.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#25 AR-1248-5

R.T.: 5.730 min
Delta R.T.: 0.000 min
Response: 20852592
Conc: 38.78 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:02
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 15:57:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 15:24:42 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...	4.646	3.783	149.9E6	746.7E6	97.273	98.623
2) SA Decachlor...	10.424	8.784	119.5E6	929.4E6	95.942	97.673
Target Compounds						
26) L6 AR-1254-1	6.646	5.662	66261960	570.9E6	872.670m	970.606
27) L6 AR-1254-2	6.864	5.809	87851253	484.3E6	952.211	965.216
28) L6 AR-1254-3	7.226	6.211	92035771	866.8E6	959.587	985.524
29) L6 AR-1254-4	7.509	6.437	73136868	656.6E6	959.001	987.570
30) L6 AR-1254-5	7.925	6.854	85440842	714.9E6	961.668	997.772

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:02
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

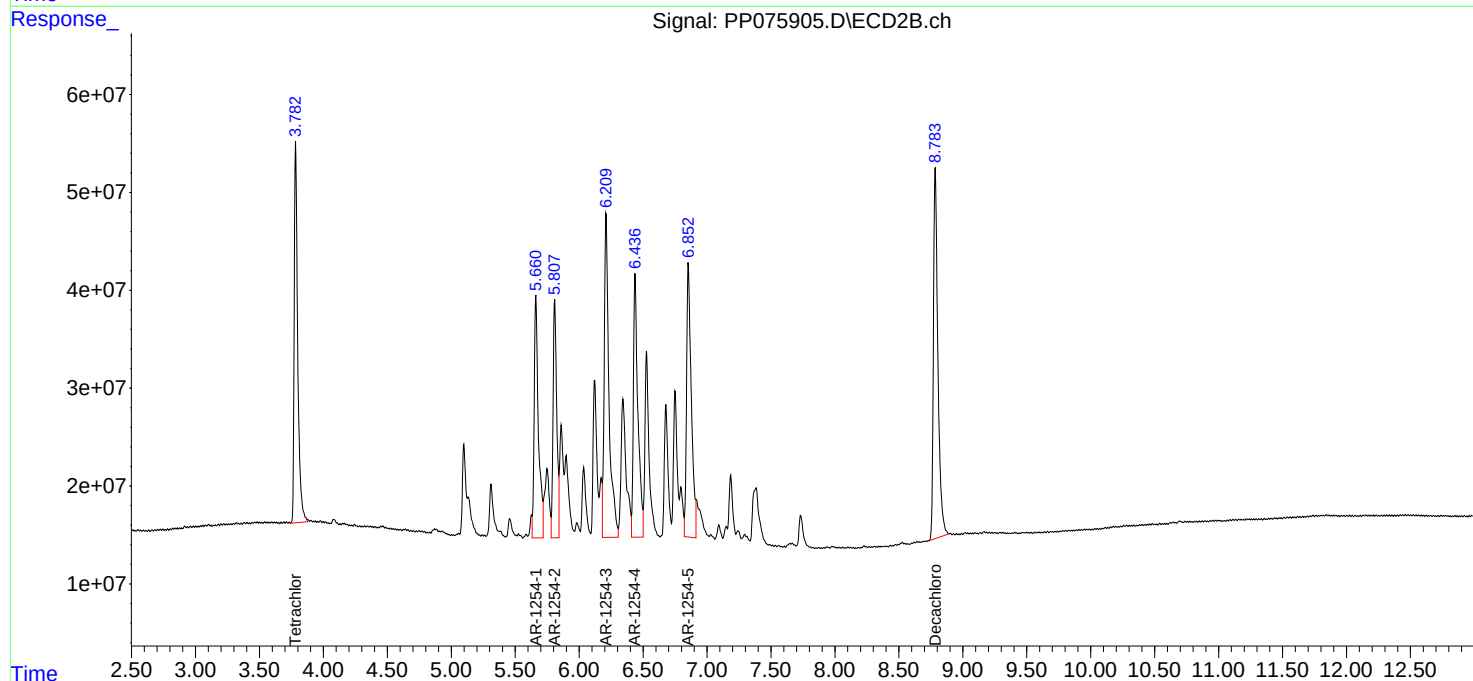
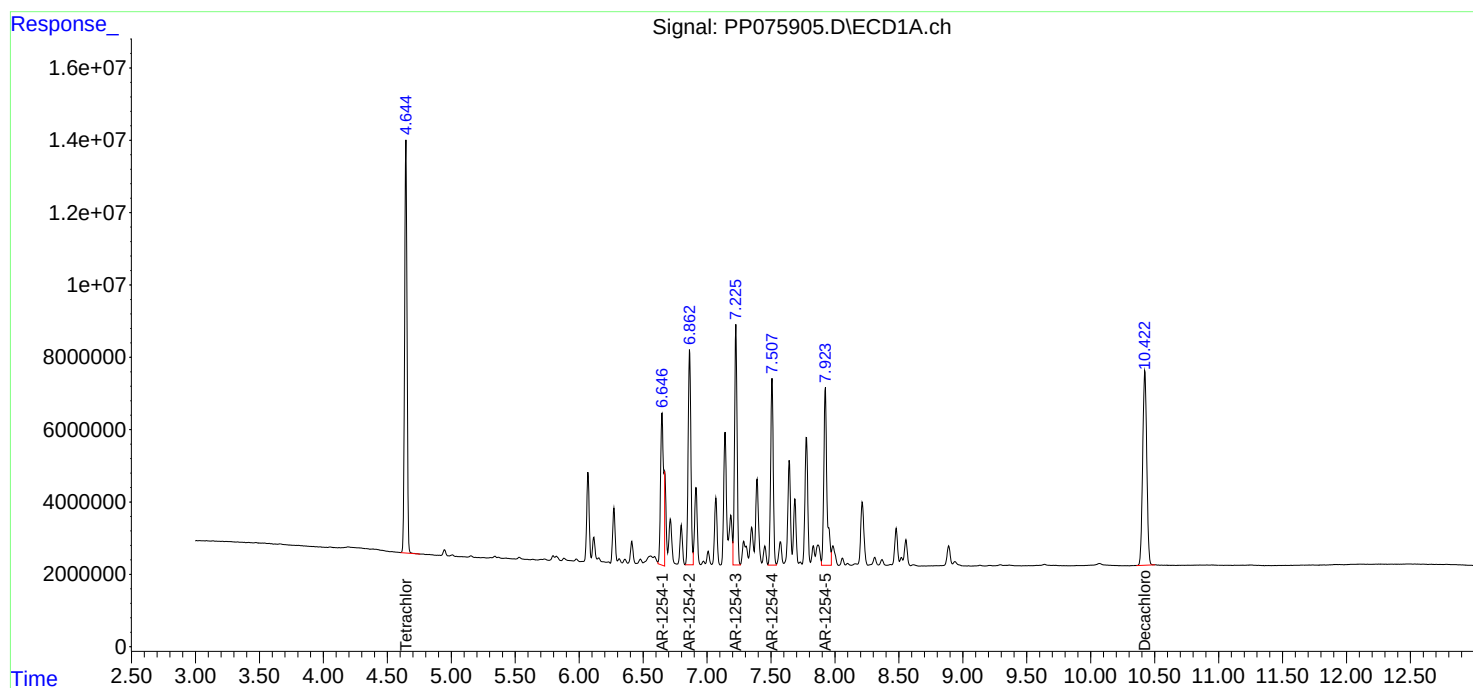
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 15:57:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 15:24:42 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PP075905.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 149921798
Conc: 97.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Time 4.30 4.40 4.50 4.60 4.70 4.80 4.90 5.00

Response_ Signal: PP075905.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.000 min
Response: 746743420
Conc: 98.62 ng/ml

Time 3.50 3.60 3.70 3.80 3.90 4.00 4.10

Response_ Signal: PP075905.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 10.424 min
Delta R.T.: 0.000 min
Response: 119497023
Conc: 95.94 ng/ml

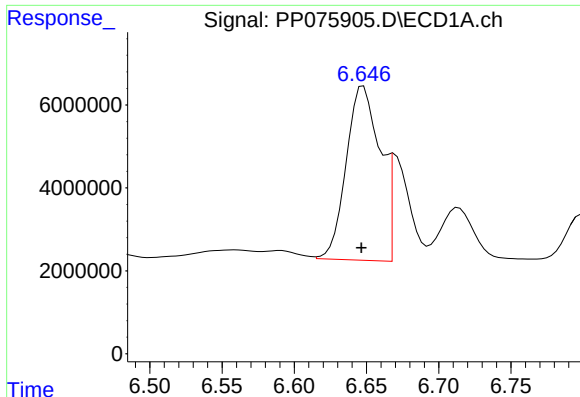
Time 10.20 10.40 10.60 10.80

Response_ Signal: PP075905.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 929424717
Conc: 97.67 ng/ml

Time 8.40 8.50 8.60 8.70 8.80 8.90 9.00 9.10 9.20



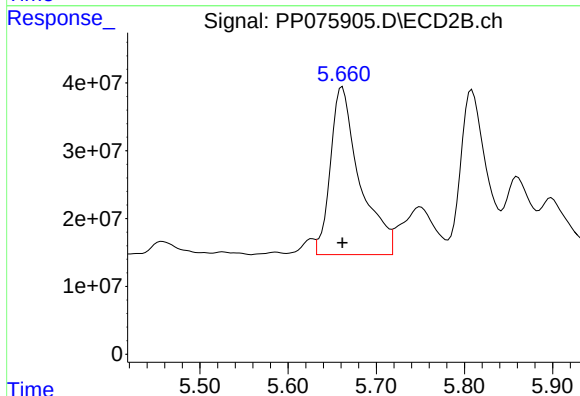
#26 AR-1254-1

R.T.: 6.646 min
Delta R.T.: 0.000 min
Response: 66261960
Conc: 872.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

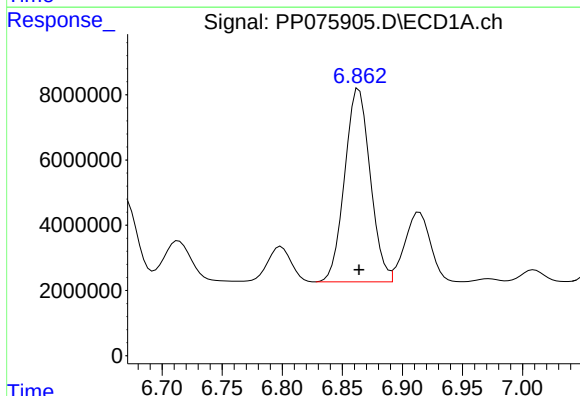
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



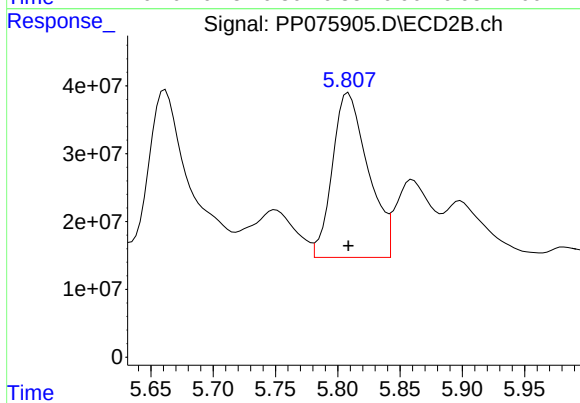
#26 AR-1254-1

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 570889099
Conc: 970.61 ng/ml



#27 AR-1254-2

R.T.: 6.864 min
Delta R.T.: 0.000 min
Response: 87851253
Conc: 952.21 ng/ml



#27 AR-1254-2

R.T.: 5.809 min
Delta R.T.: 0.000 min
Response: 484331632
Conc: 965.22 ng/ml

Response_ Signal: PP075905.D\ECD1A.ch

#28 AR-1254-3

R.T.: 7.226 min
Delta R.T.: 0.000 min
Response: 92035771
Conc: 959.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Time

Response_ Signal: PP075905.D\ECD2B.ch

#28 AR-1254-3

R.T.: 6.211 min
Delta R.T.: 0.000 min
Response: 866771846
Conc: 985.52 ng/ml

Time

Response_ Signal: PP075905.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.509 min
Delta R.T.: 0.000 min
Response: 73136868
Conc: 959.00 ng/ml

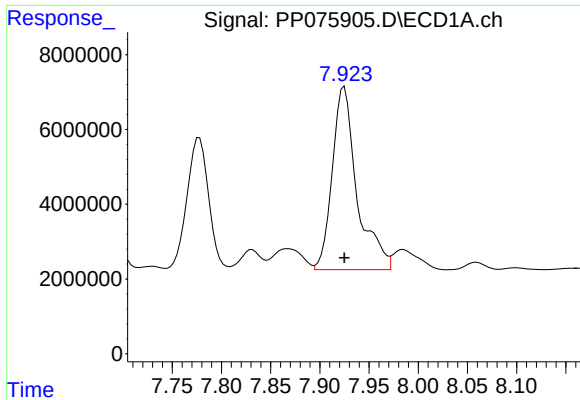
Time

Response_ Signal: PP075905.D\ECD2B.ch

#29 AR-1254-4

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 656603428
Conc: 987.57 ng/ml

Time



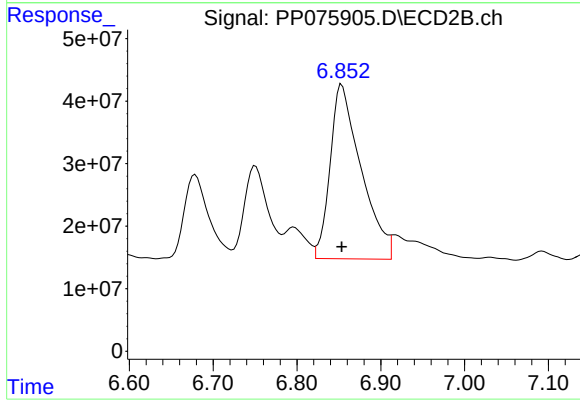
#30 AR-1254-5

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 85440842
Conc: 961.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#30 AR-1254-5

R.T.: 6.854 min
Delta R.T.: 0.000 min
Response: 714919063
Conc: 997.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:18
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:03:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 15:24:42 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...	4.644	3.783	116.9E6	582.0E6	75.579	76.230
2) SA Decachlor...	10.423	8.784	93392685	723.9E6	74.989	75.714
Target Compounds						
26) L6 AR-1254-1	6.645	5.661	53923759	447.8E6	731.053m	757.518
27) L6 AR-1254-2	6.863	5.808	69427935	372.6E6	751.680	745.041
28) L6 AR-1254-3	7.225	6.210	72675518	670.2E6	755.137	757.967
29) L6 AR-1254-4	7.507	6.436	57517400	515.4E6	752.790	766.592
30) L6 AR-1254-5	7.923	6.851	67290078	595.4E6	754.900	785.342m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:18
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1254ICC750

Manual Integrations

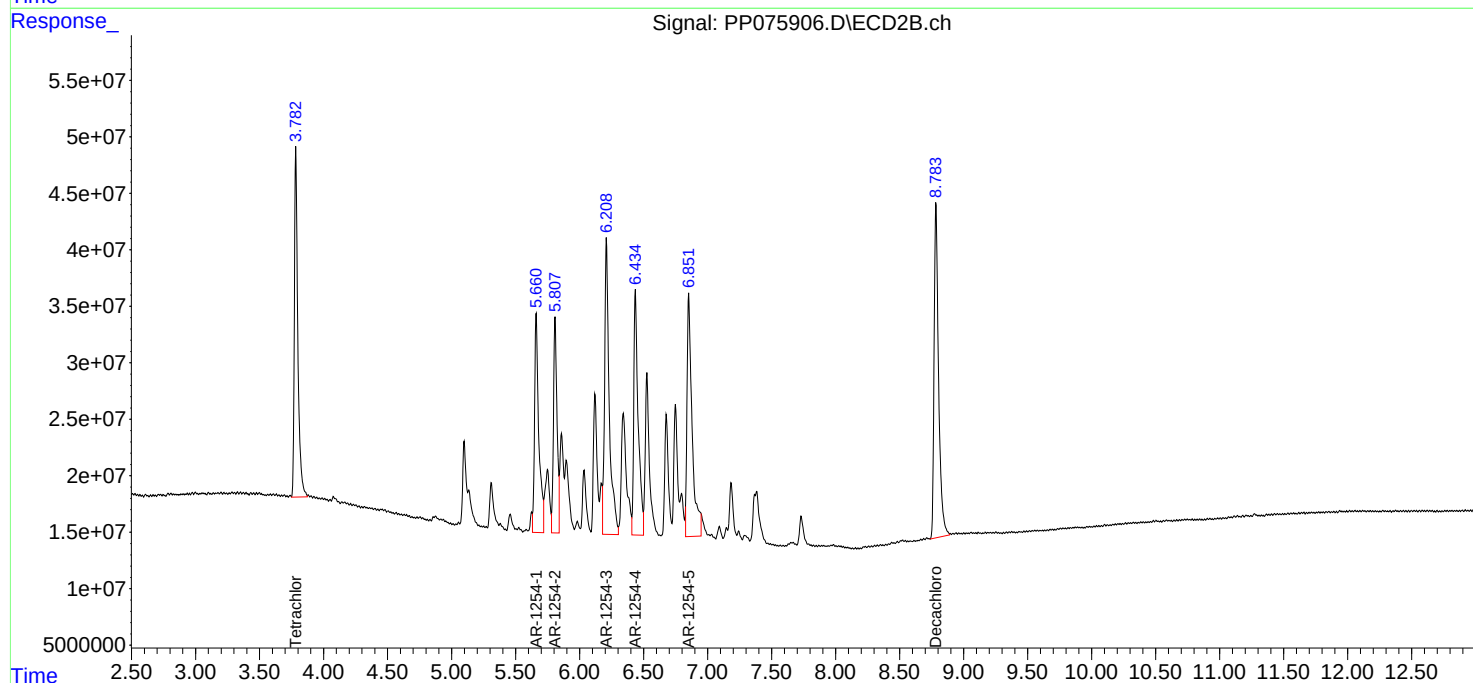
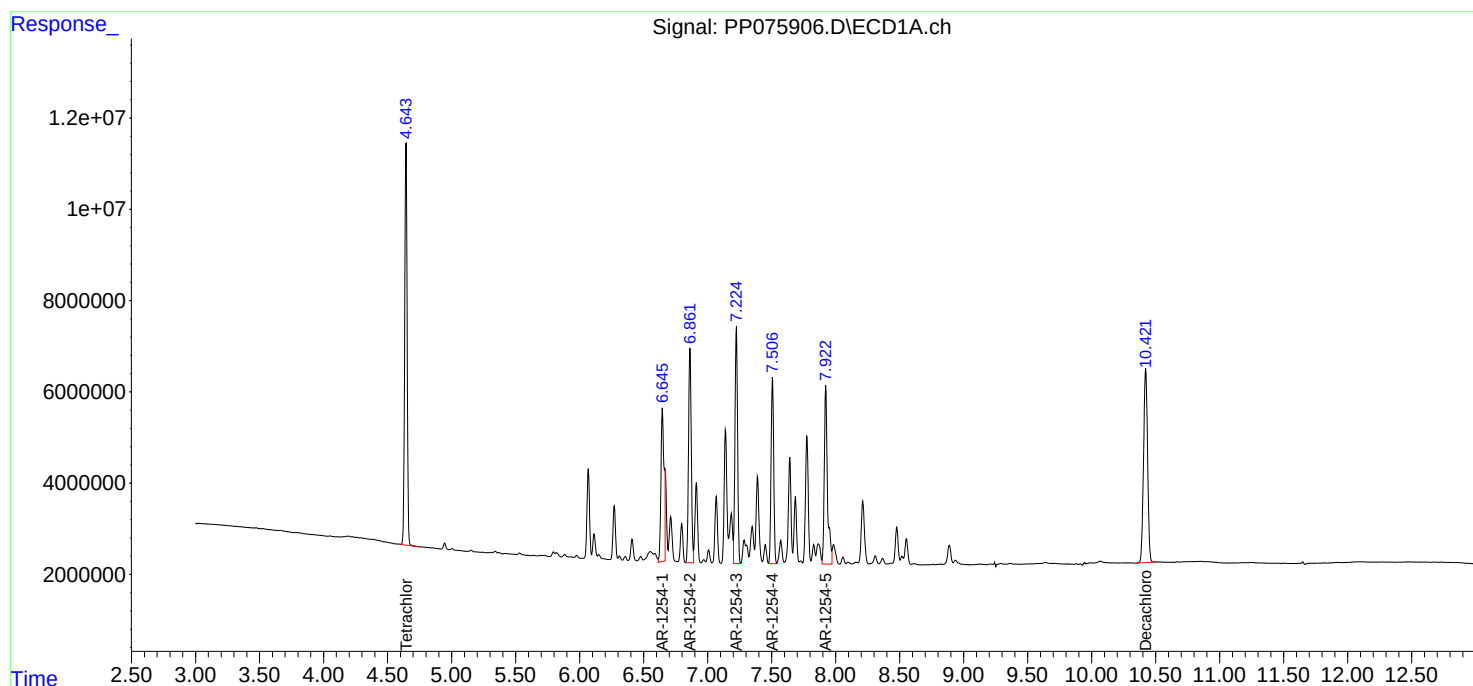
APPROVED

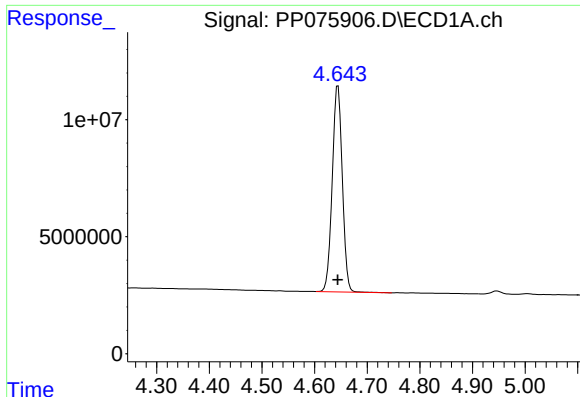
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:03:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 15:24:42 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





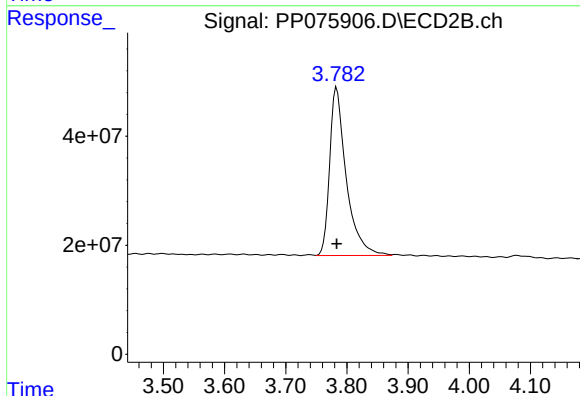
#1 Tetrachloro-m-xylene

R.T.: 4.644 min
Delta R.T.: 0.000 min
Response: 116937802
Conc: 75.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

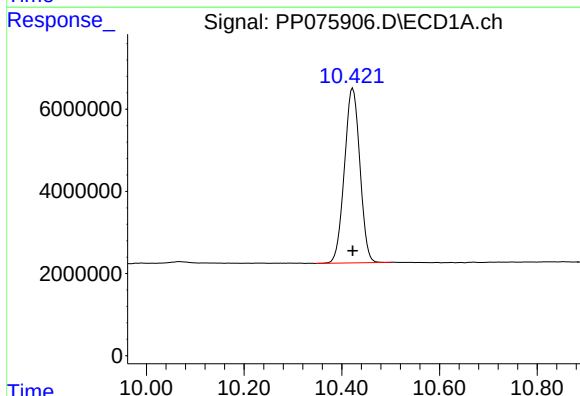
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



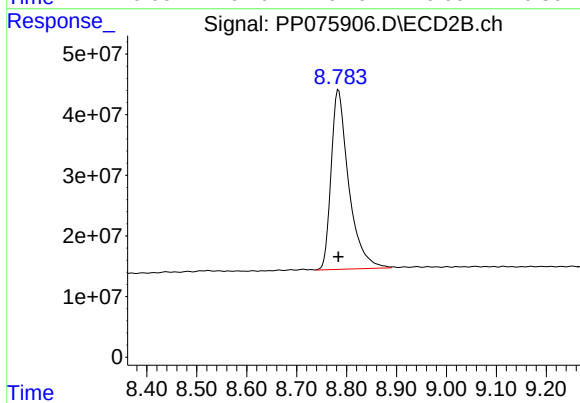
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.000 min
Response: 581966110
Conc: 76.23 ng/ml



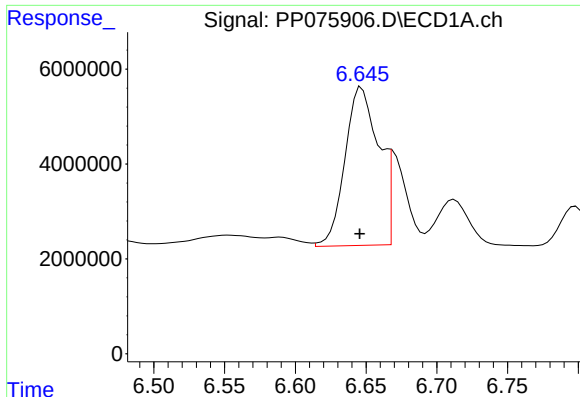
#2 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: 0.000 min
Response: 93392685
Conc: 74.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 723915885
Conc: 75.71 ng/ml



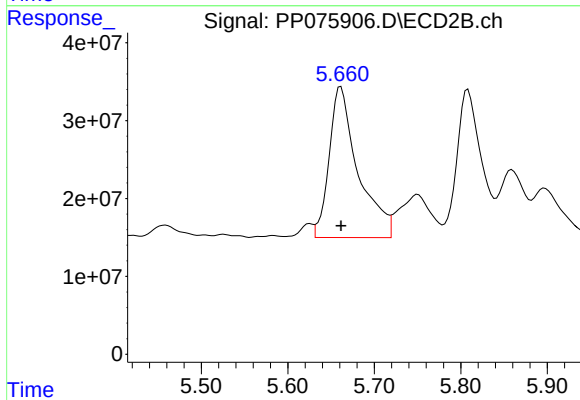
#26 AR-1254-1

R.T.: 6.645 min
Delta R.T.: 0.000 min
Response: 53923759
Conc: 731.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

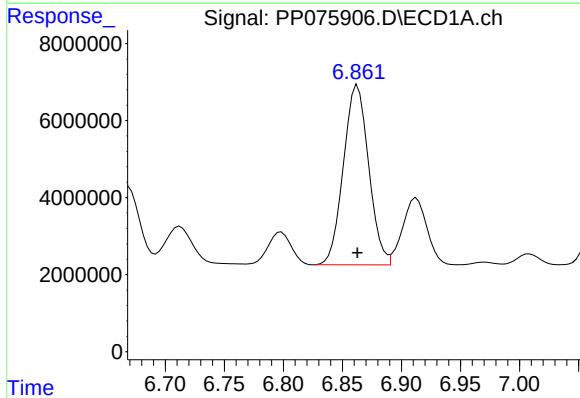
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



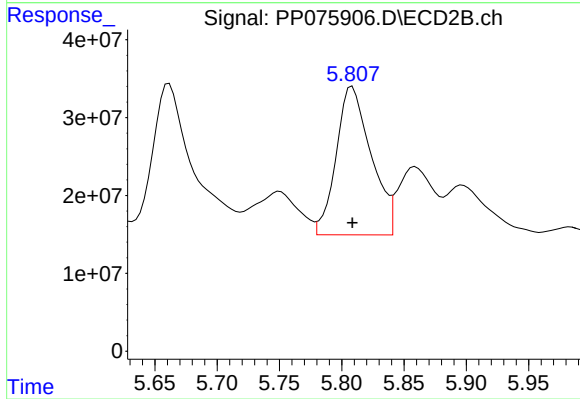
#26 AR-1254-1

R.T.: 5.661 min
Delta R.T.: 0.000 min
Response: 447799637
Conc: 757.52 ng/ml



#27 AR-1254-2

R.T.: 6.863 min
Delta R.T.: 0.000 min
Response: 69427935
Conc: 751.68 ng/ml



#27 AR-1254-2

R.T.: 5.808 min
Delta R.T.: 0.000 min
Response: 372619097
Conc: 745.04 ng/ml

Response_ Signal: PP075906.D\ECD1A.ch

#28 AR-1254-3

R.T.: 7.225 min
Delta R.T.: 0.000 min
Response: 72675518
Conc: 755.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations
APPROVED

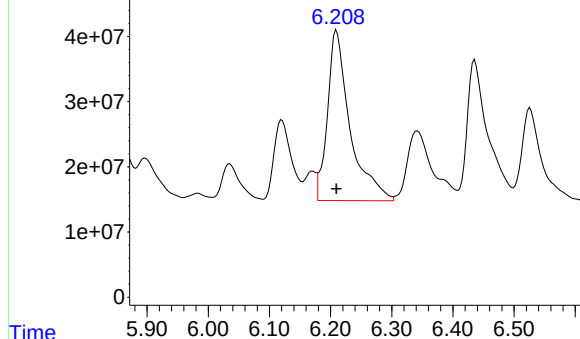
Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Time

Response_ Signal: PP075906.D\ECD2B.ch

#28 AR-1254-3

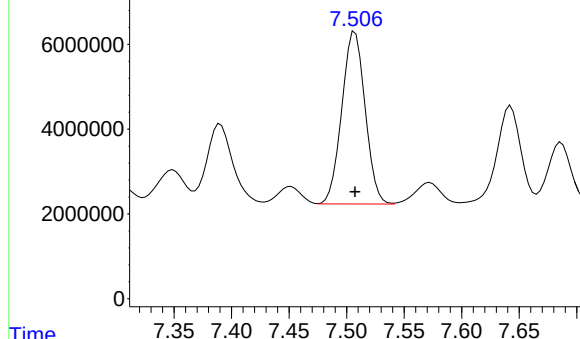
R.T.: 6.210 min
Delta R.T.: 0.000 min
Response: 670194370
Conc: 757.97 ng/ml



Response_ Signal: PP075906.D\ECD1A.ch

#29 AR-1254-4

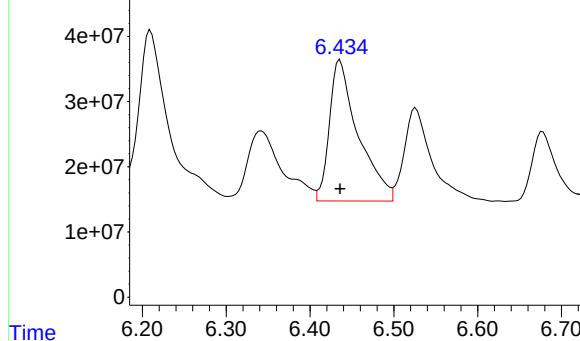
R.T.: 7.507 min
Delta R.T.: 0.000 min
Response: 57517400
Conc: 752.79 ng/ml

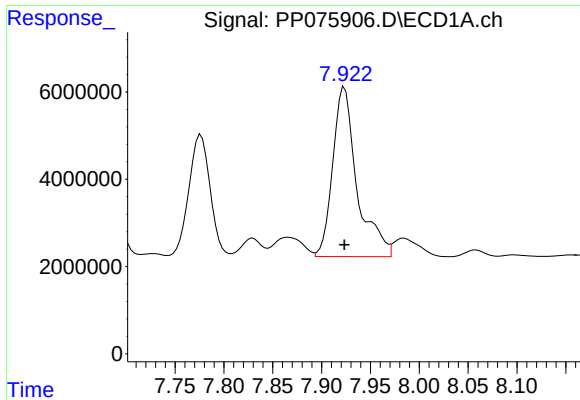


Response_ Signal: PP075906.D\ECD2B.ch

#29 AR-1254-4

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 515383611
Conc: 766.59 ng/ml





#30 AR-1254-5

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 67290078
Conc: 754.90 ng/ml

Instrument :

ECD_P

ClientSampleId :

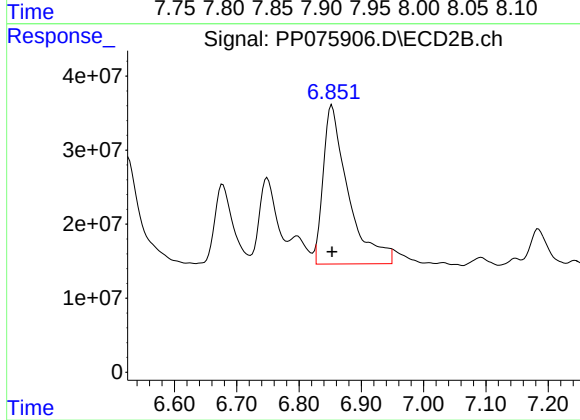
AR1254ICC750

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025



#30 AR-1254-5

R.T.: 6.851 min
Delta R.T.: -0.001 min
Response: 595394733
Conc: 785.34 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075907.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 14:35
 Operator : YP\AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 15:24:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 15:24:42 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...	4.647	3.785	79163213	383.8E6	50.000	50.000
2) SA Decachlor...	10.424	8.785	64802936	486.9E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.648	5.663	39135010	302.7E6	480.703m	500.000
27) L6 AR-1254-2	6.866	5.810	48334685	259.6E6	500.000	500.000
28) L6 AR-1254-3	7.228	6.212	49893996	446.1E6	500.000	500.000
29) L6 AR-1254-4	7.510	6.438	39695143	336.6E6	500.000	500.000
30) L6 AR-1254-5	7.926	6.854	46126096	359.1E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:35
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

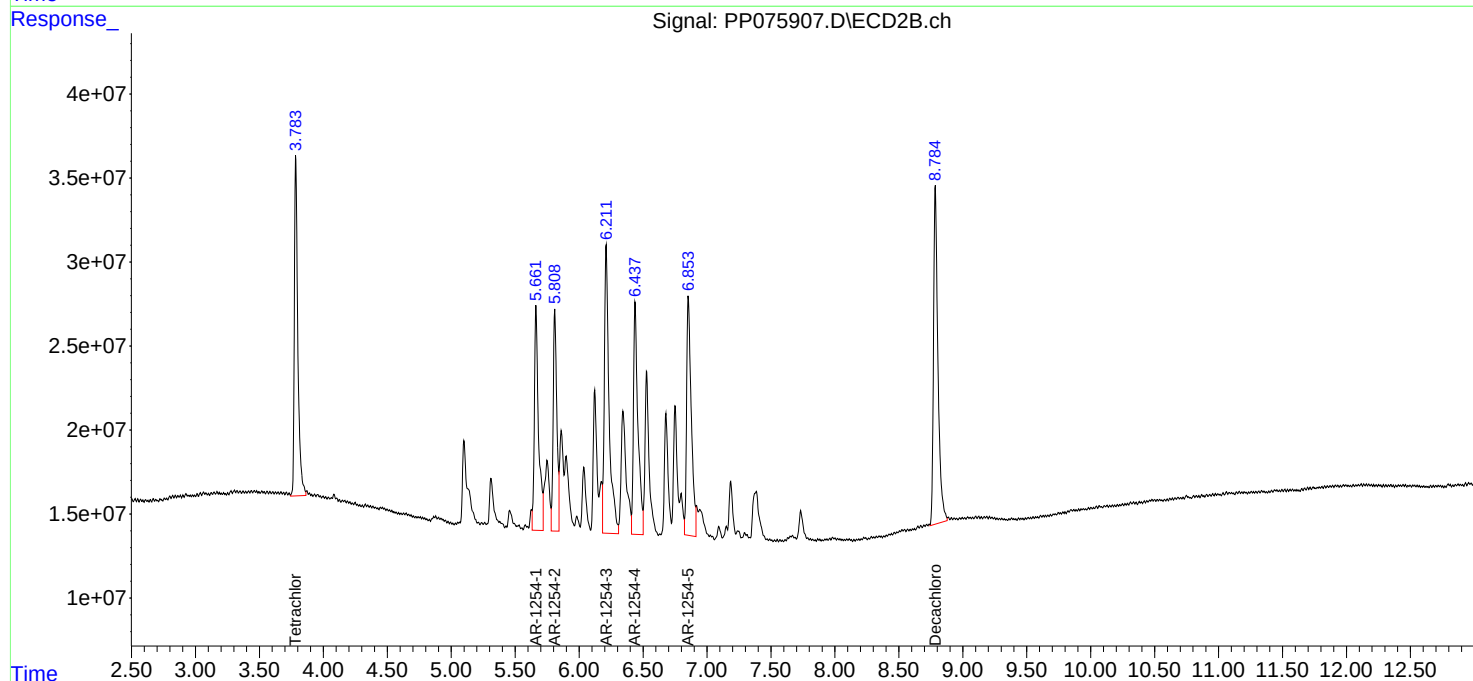
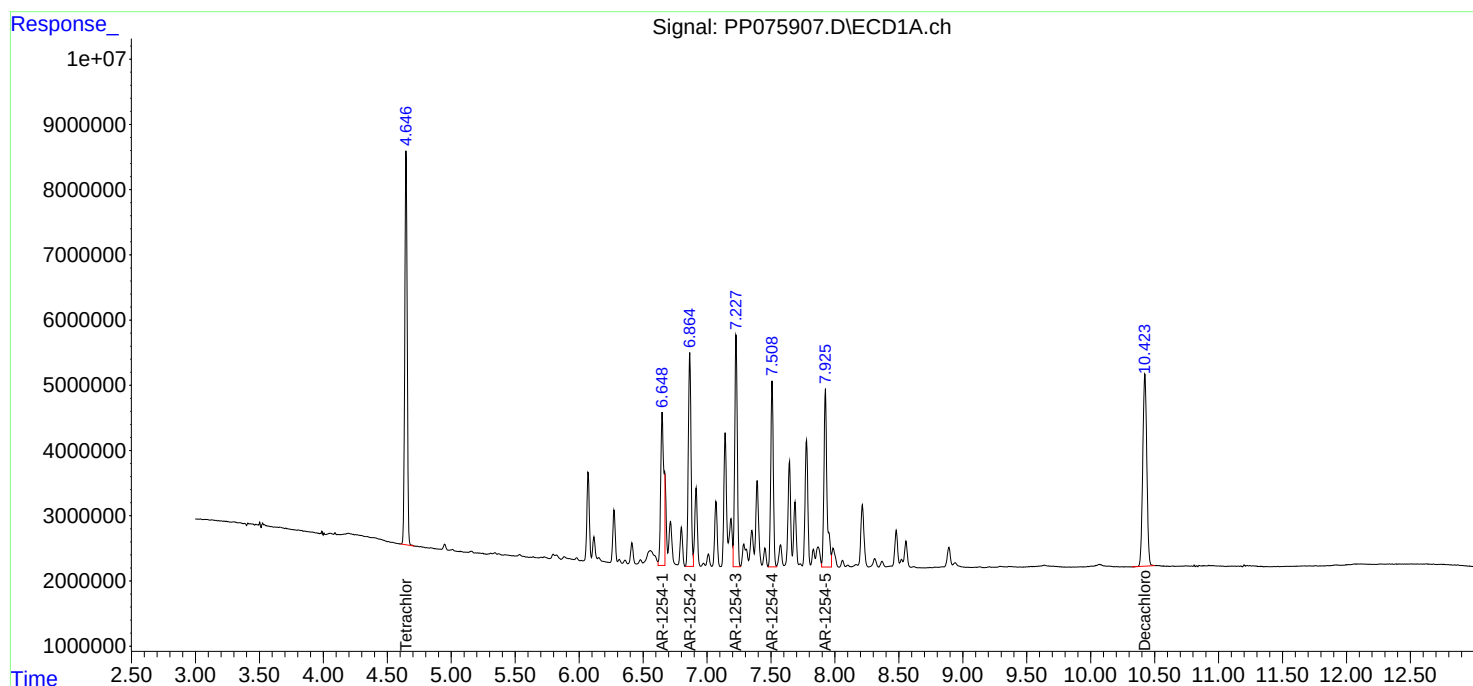
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations
APPROVED

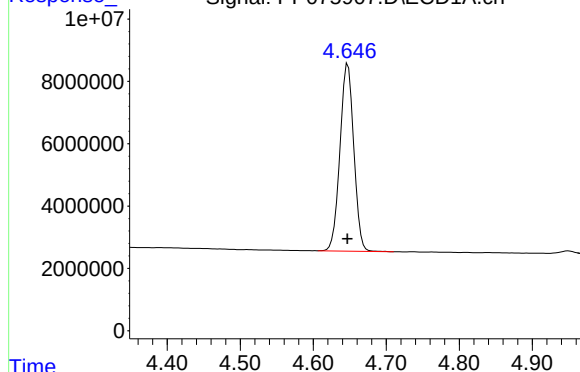
Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 15:24:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 15:24:42 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: PP075907.D\ECD1A.ch



#1 Tetrachloro-m-xylene

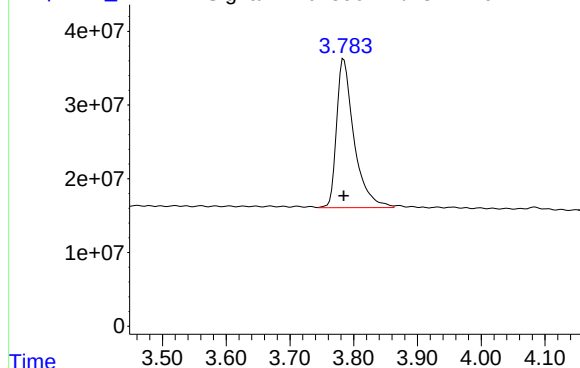
R.T.: 4.647 min
Delta R.T.: 0.000 min
Response: 79163213
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

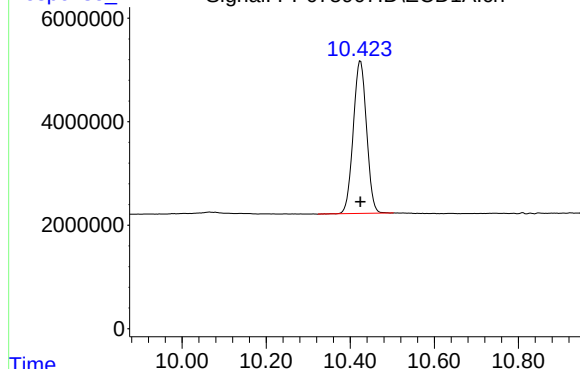
Time Response_ Signal: PP075907.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: 0.000 min
Response: 383795177
Conc: 50.00 ng/ml

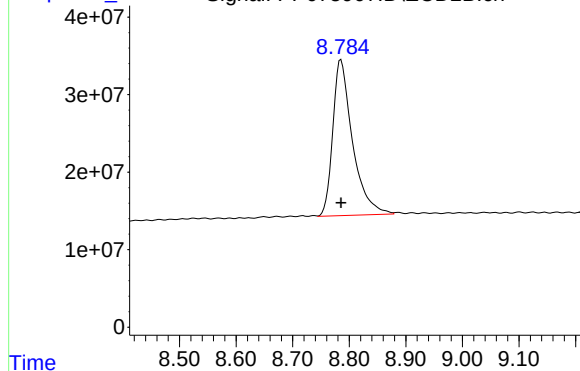
Time Response_ Signal: PP075907.D\ECD1A.ch



#2 Decachlorobiphenyl

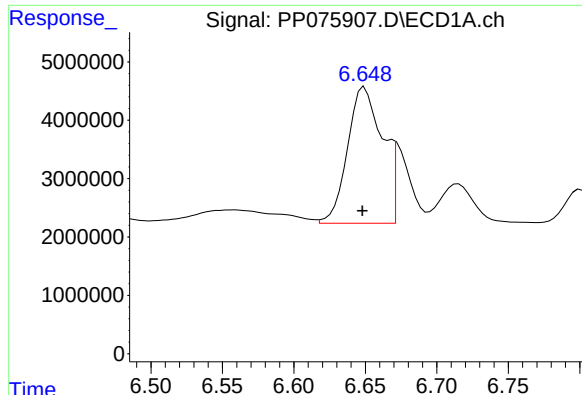
R.T.: 10.424 min
Delta R.T.: 0.000 min
Response: 64802936
Conc: 50.00 ng/ml

Time Response_ Signal: PP075907.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 486859913
Conc: 50.00 ng/ml



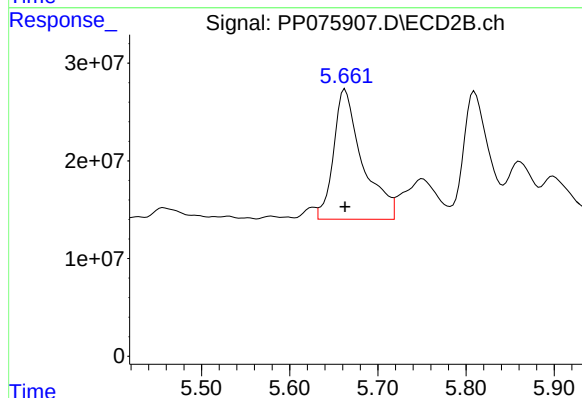
#26 AR-1254-1

R.T.: 6.648 min
Delta R.T.: 0.000 min
Response: 39135010
Conc: 480.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

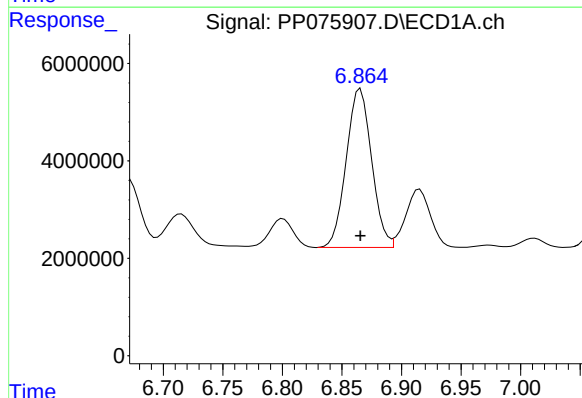
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



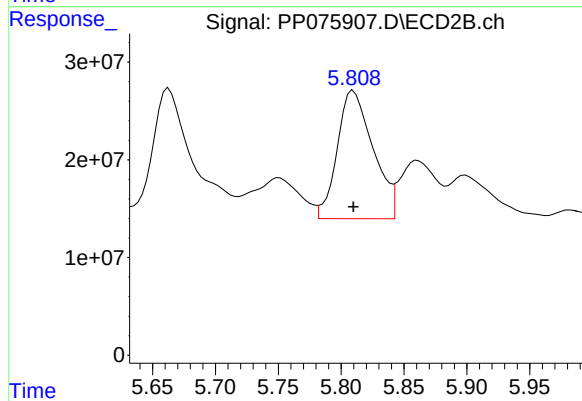
#26 AR-1254-1

R.T.: 5.663 min
Delta R.T.: 0.000 min
Response: 302733264
Conc: 500.00 ng/ml



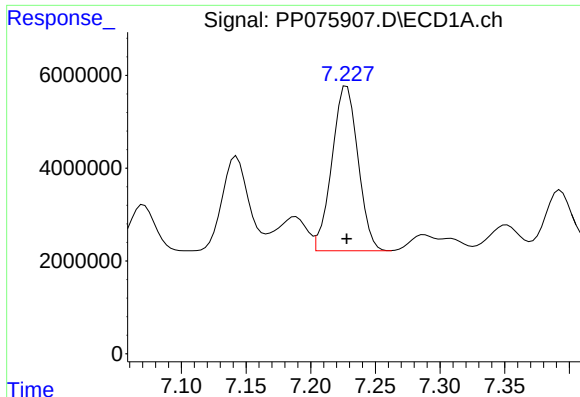
#27 AR-1254-2

R.T.: 6.866 min
Delta R.T.: 0.000 min
Response: 48334685
Conc: 500.00 ng/ml



#27 AR-1254-2

R.T.: 5.810 min
Delta R.T.: 0.000 min
Response: 259620132
Conc: 500.00 ng/ml



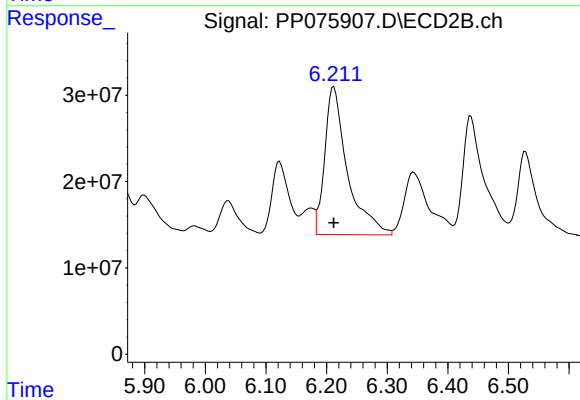
#28 AR-1254-3

R.T.: 7.228 min
Delta R.T.: 0.000 min
Response: 49893996
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

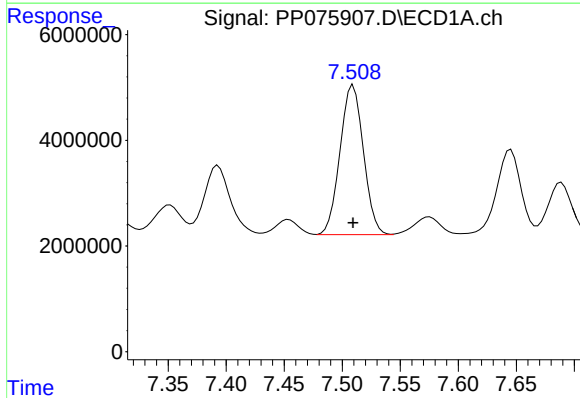
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



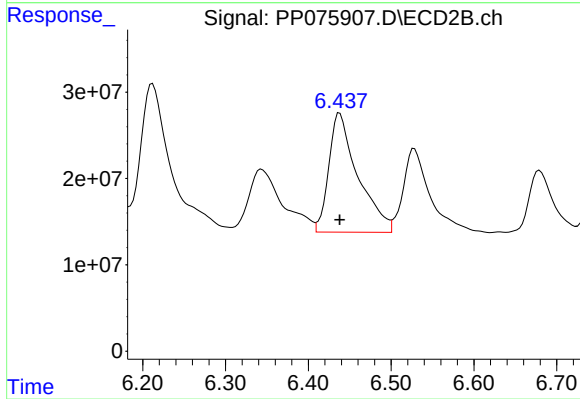
#28 AR-1254-3

R.T.: 6.212 min
Delta R.T.: 0.000 min
Response: 446117931
Conc: 500.00 ng/ml



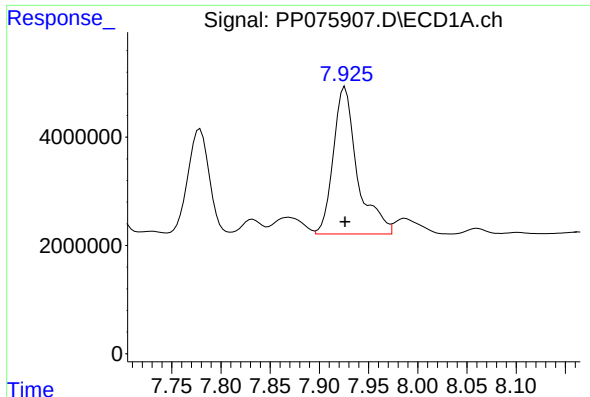
#29 AR-1254-4

R.T.: 7.510 min
Delta R.T.: 0.000 min
Response: 39695143
Conc: 500.00 ng/ml



#29 AR-1254-4

R.T.: 6.438 min
Delta R.T.: 0.000 min
Response: 336566136
Conc: 500.00 ng/ml



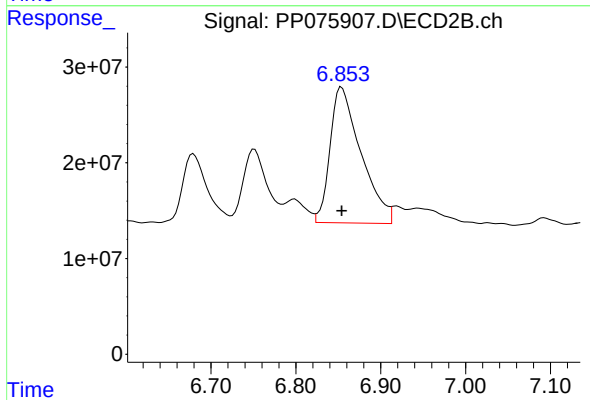
#30 AR-1254-5

R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 46126096
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



#30 AR-1254-5

R.T.: 6.854 min
Delta R.T.: 0.000 min
Response: 359055575
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075908.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 14:51
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 16:07:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 15:24:42 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...	4.646	3.784	40353962	181.6E6	25.803	24.079
2) SA Decachlor...	10.422	8.784	33314499	235.8E6	26.290	24.742
Target Compounds						
26) L6 AR-1254-1	6.647	5.662	20616230	146.6E6	278.580m	248.519
27) L6 AR-1254-2	6.864	5.809	25702390	128.2E6	270.622	254.691
28) L6 AR-1254-3	7.226	6.210	26497010	218.4E6	268.520	247.733
29) L6 AR-1254-4	7.508	6.436	20991838	159.2E6	268.108	239.944
30) L6 AR-1254-5	7.925	6.853	23753414	169.8E6	262.160	233.749

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 14:51
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

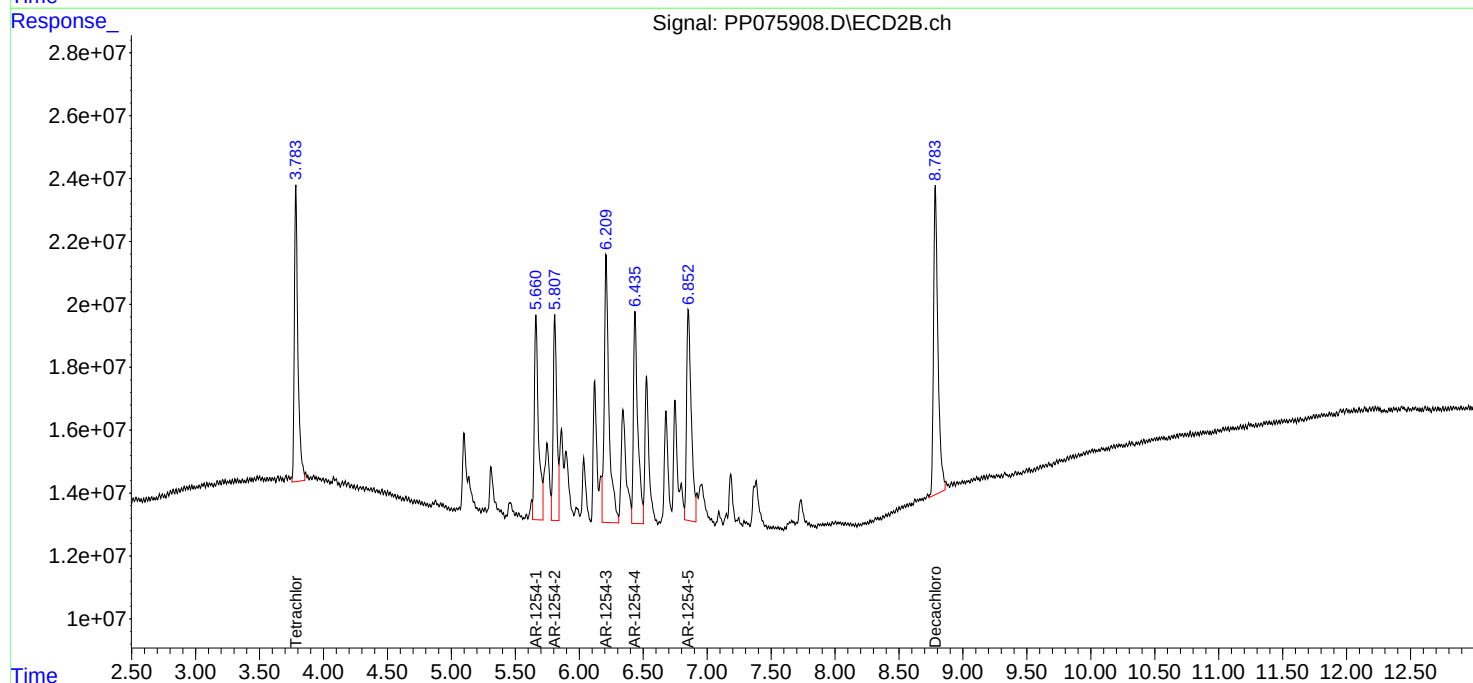
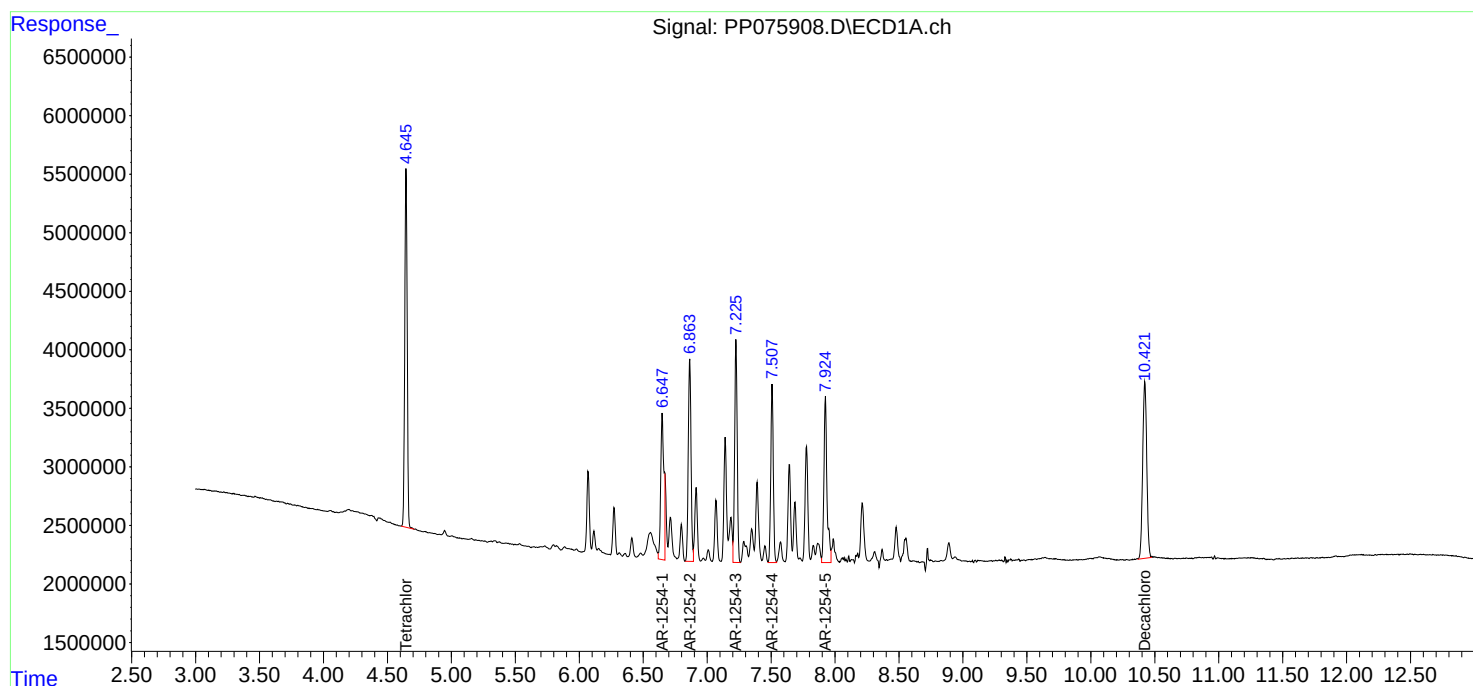
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

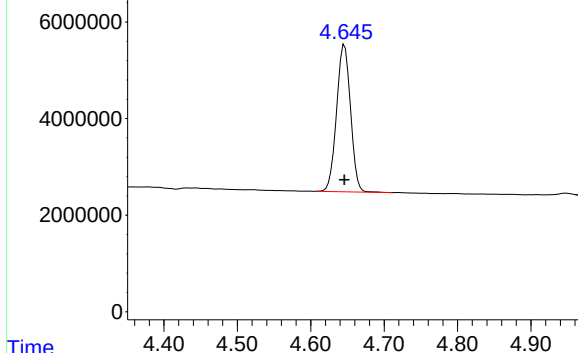
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:07:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 15:24:42 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



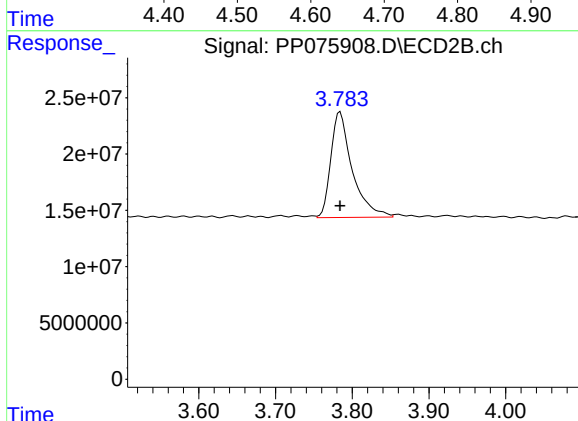


R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 40353962
Conc: 25.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

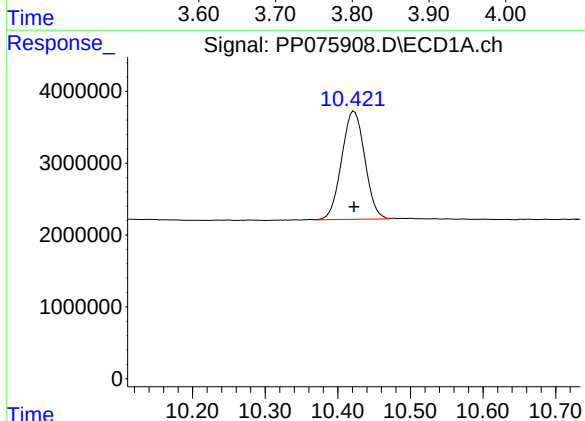
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



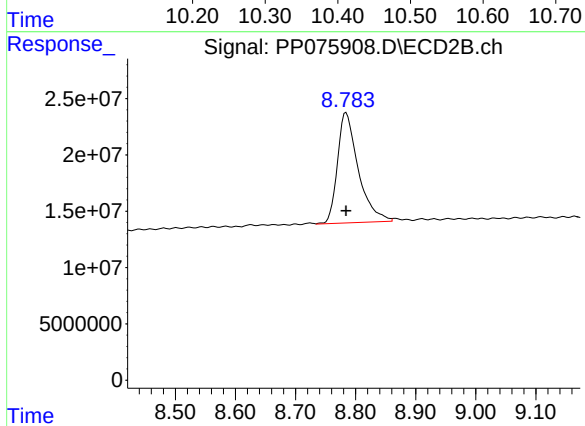
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.000 min
Response: 181599269
Conc: 24.08 ng/ml



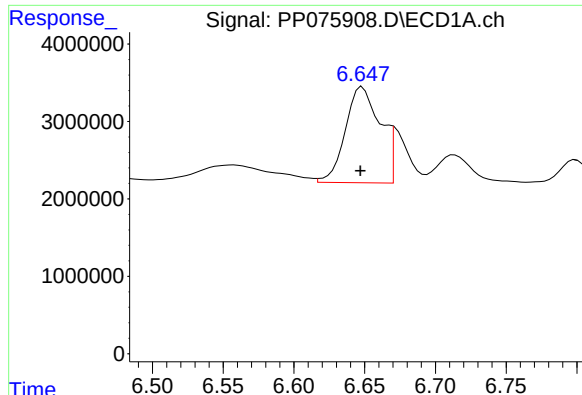
#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.000 min
Response: 33314499
Conc: 26.29 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 235756165
Conc: 24.74 ng/ml



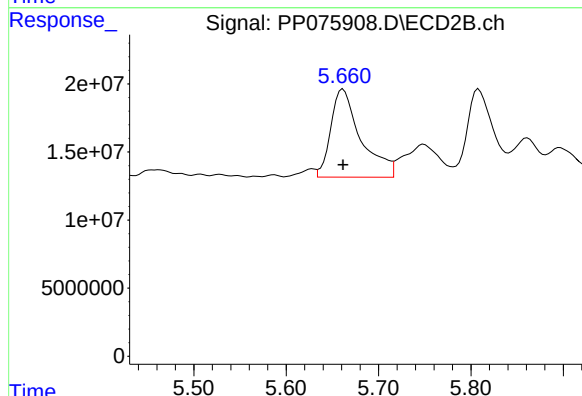
#26 AR-1254-1

R.T.: 6.647 min
Delta R.T.: 0.000 min
Response: 20616230
Conc: 278.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

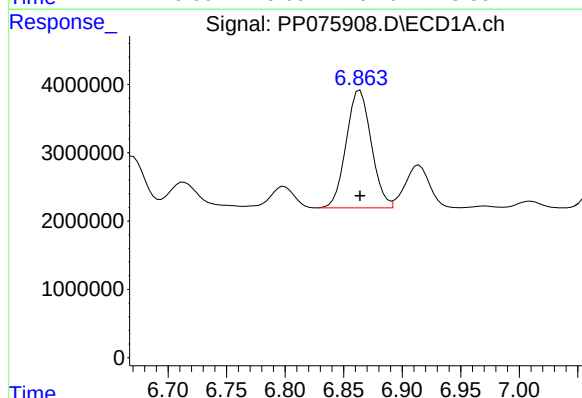
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



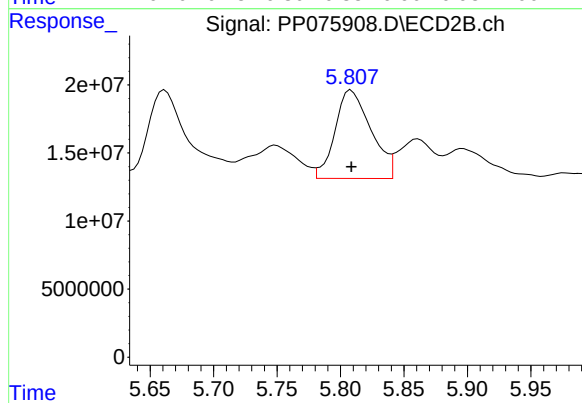
#26 AR-1254-1

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 146620080
Conc: 248.52 ng/ml



#27 AR-1254-2

R.T.: 6.864 min
Delta R.T.: 0.000 min
Response: 25702390
Conc: 270.62 ng/ml



#27 AR-1254-2

R.T.: 5.809 min
Delta R.T.: 0.000 min
Response: 128180993
Conc: 254.69 ng/ml

Response_ Signal: PP075908.D\ECD1A.ch

#28 AR-1254-3

R.T.: 7.226 min
Delta R.T.: 0.000 min
Response: 26497010
Conc: 268.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Time

Response_ Signal: PP075908.D\ECD2B.ch

#28 AR-1254-3

R.T.: 6.210 min
Delta R.T.: 0.000 min
Response: 218385242
Conc: 247.73 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 159181478
Conc: 239.94 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 159181478
Conc: 239.94 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD1A.ch

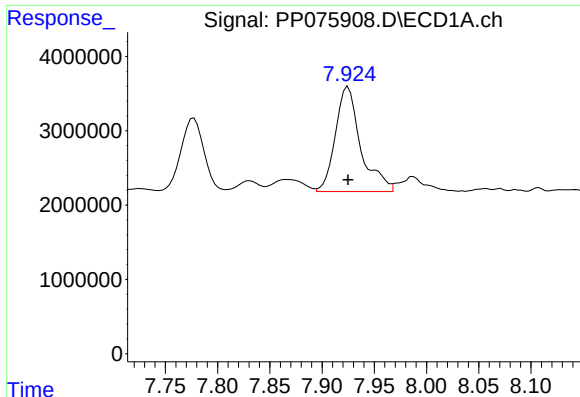
#29 AR-1254-4

R.T.: 7.508 min
Delta R.T.: 0.000 min
Response: 20991838
Conc: 268.11 ng/ml

Time

Response_ Signal: PP075908.D\ECD2B.ch

#29 AR-1254-4



#30 AR-1254-5

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 23753414
Conc: 262.16 ng/ml

Instrument :

ECD_P

ClientSampleId :

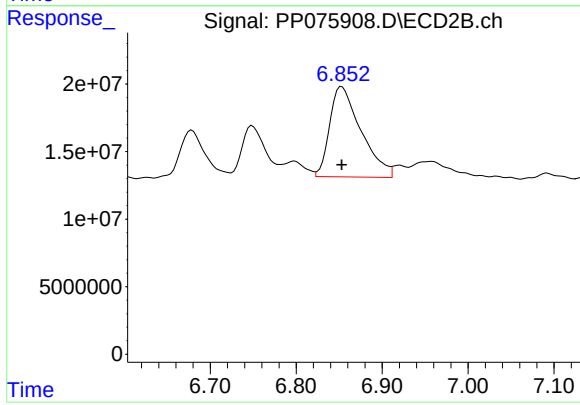
AR1254ICC250

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025



#30 AR-1254-5

R.T.: 6.853 min
Delta R.T.: 0.000 min
Response: 169830860
Conc: 233.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075909.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 15:07
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 21 16:12:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 15:24:42 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...	4.642	3.780	8604114	35027317	5.393	4.744m
2) SA Decachlor...	10.419	8.782	7574299	50050602	5.752	5.200
Target Compounds						
26) L6 AR-1254-1	6.644	5.659	5028603	23004893	64.906	40.789 #
27) L6 AR-1254-2	6.860	5.807	6001024	31864124	60.020	60.390
28) L6 AR-1254-3	7.222	6.206	6253065	36465652	60.152	42.846 #
29) L6 AR-1254-4	7.504	6.433	5244227	24763386	62.720	39.321 #
30) L6 AR-1254-5	7.921	6.850	4771352	34659929	52.106	48.147

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 15:07
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1254ICC050

Manual Integrations

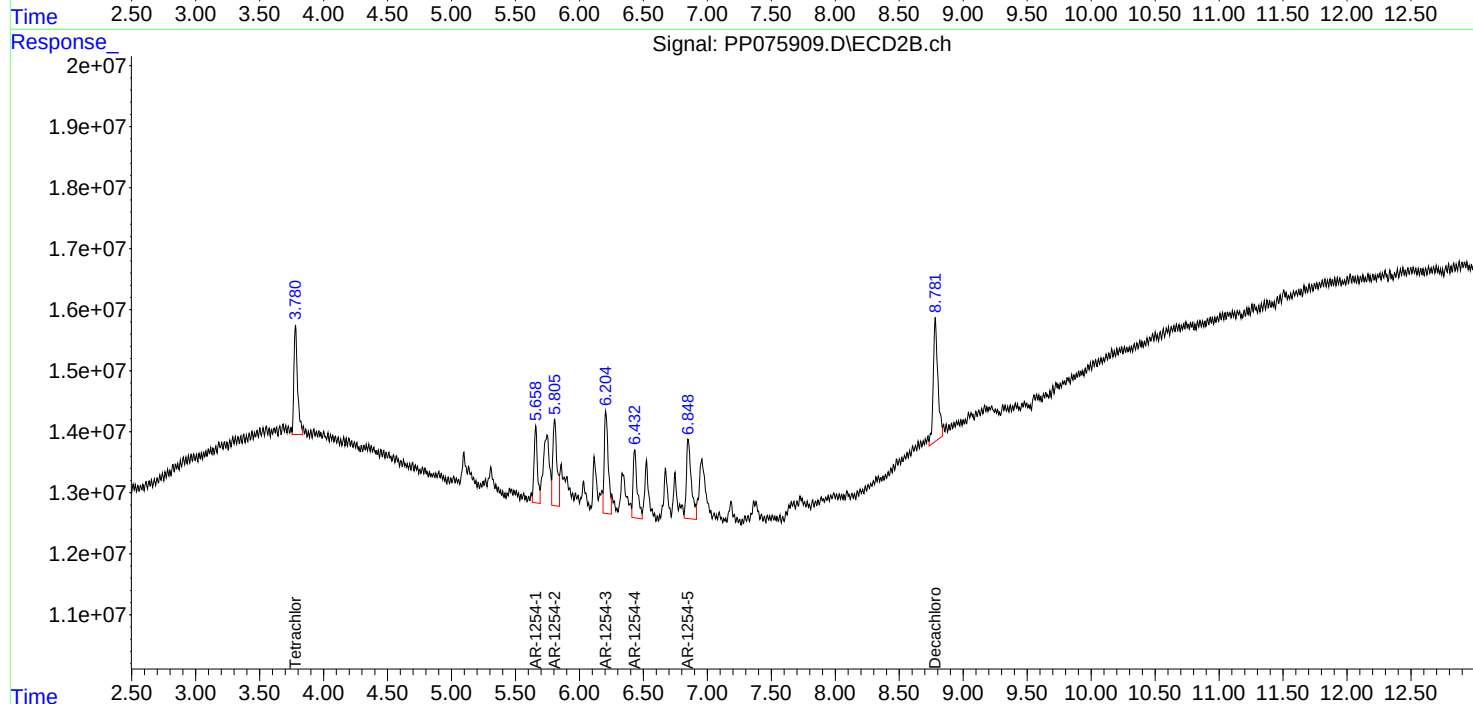
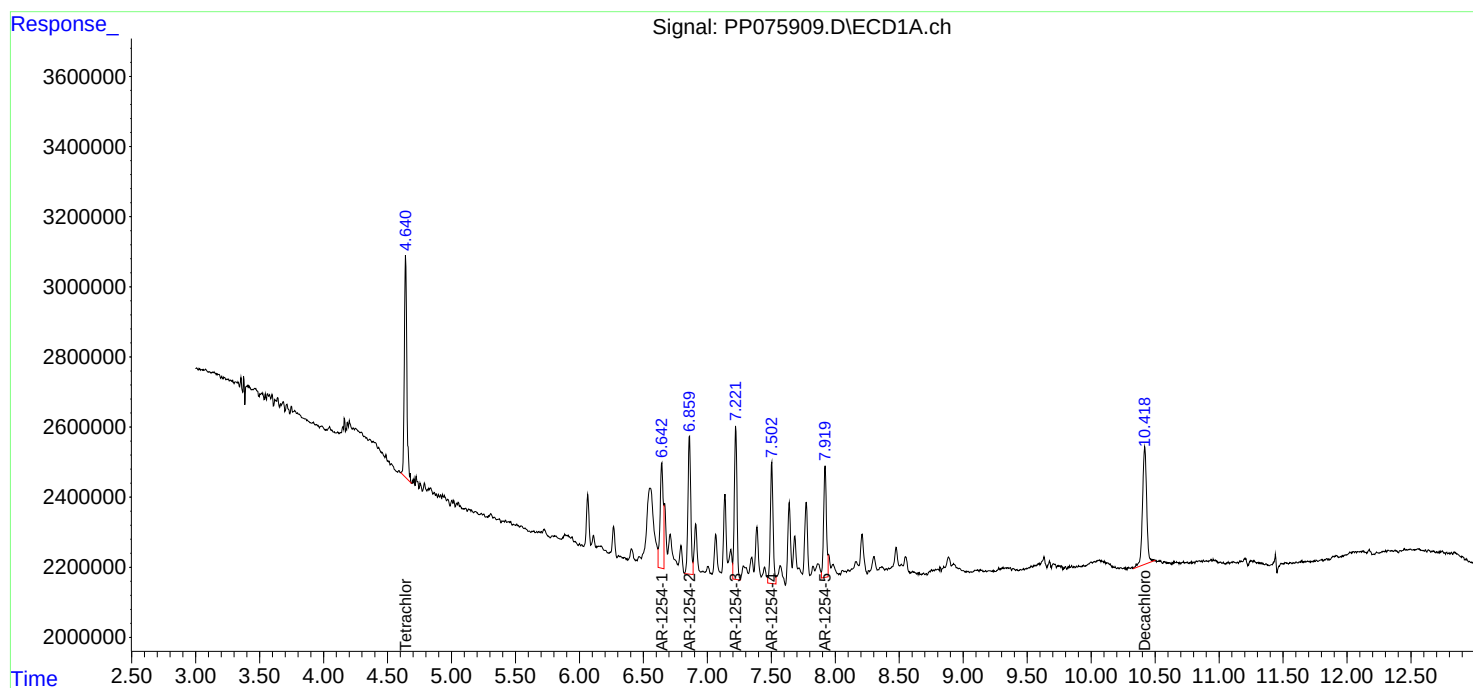
APPROVED

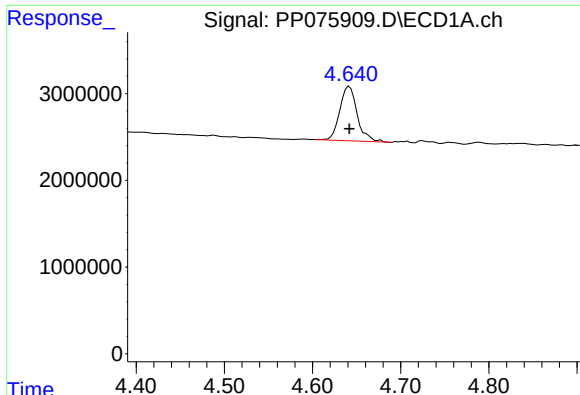
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:12:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 15:24:42 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





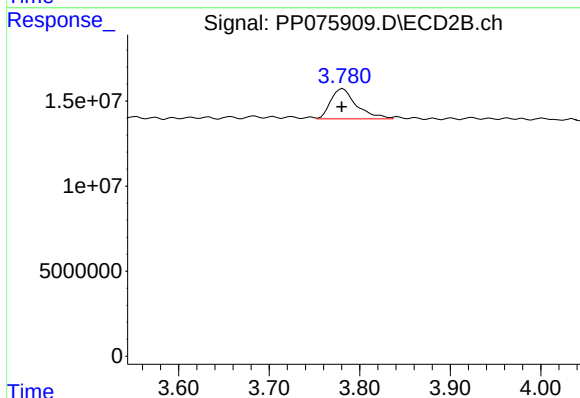
#1 Tetrachloro-m-xylene

R.T.: 4.642 min
Delta R.T.: 0.000 min
Response: 8604114
Conc: 5.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

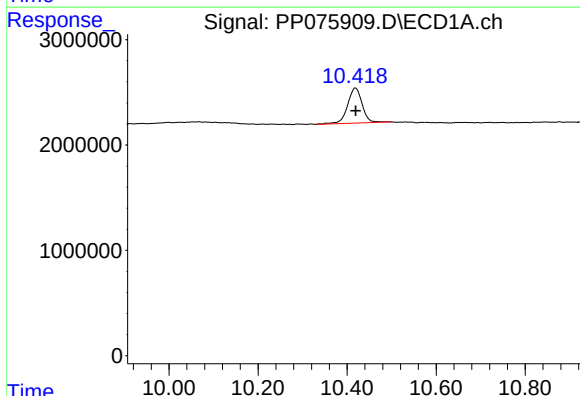
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



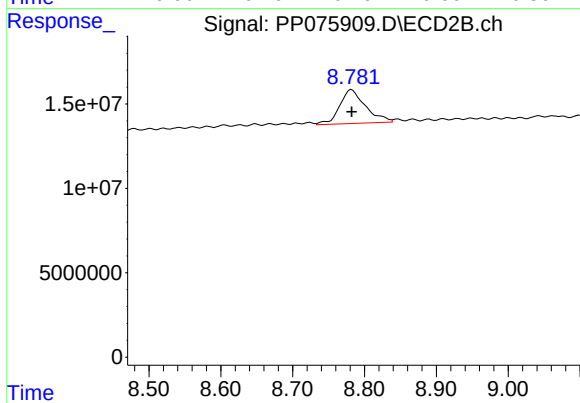
#1 Tetrachloro-m-xylene

R.T.: 3.780 min
Delta R.T.: 0.000 min
Response: 35027317
Conc: 4.74 ng/ml m



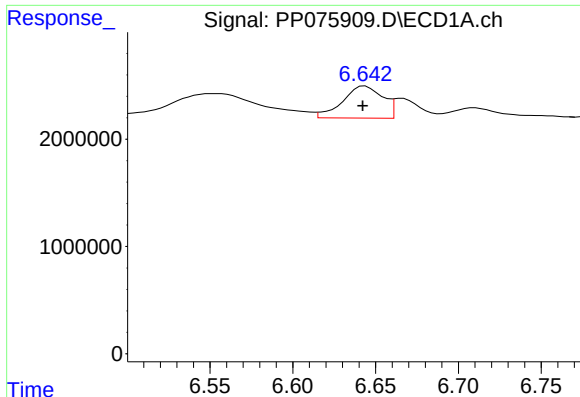
#2 Decachlorobiphenyl

R.T.: 10.419 min
Delta R.T.: 0.000 min
Response: 7574299
Conc: 5.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 50050602
Conc: 5.20 ng/ml



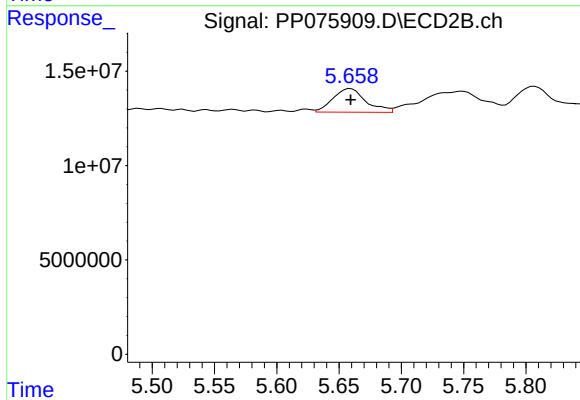
#26 AR-1254-1

R.T.: 6.644 min
Delta R.T.: 0.001 min
Response: 5028603
Conc: 64.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

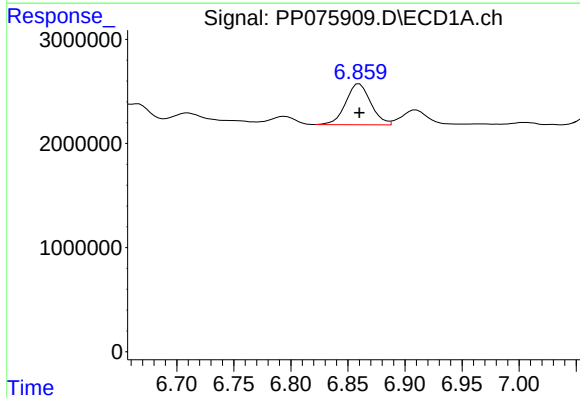
Manual Integrations
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Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



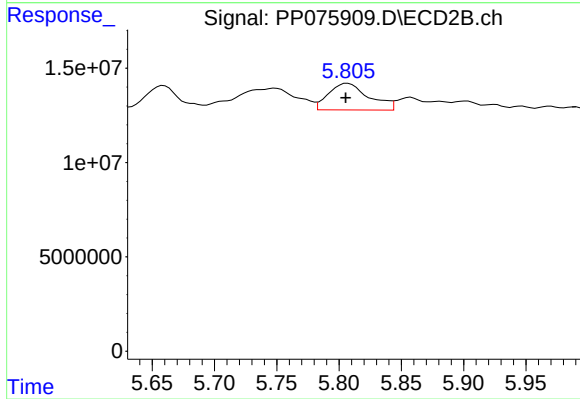
#26 AR-1254-1

R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 23004893
Conc: 40.79 ng/ml



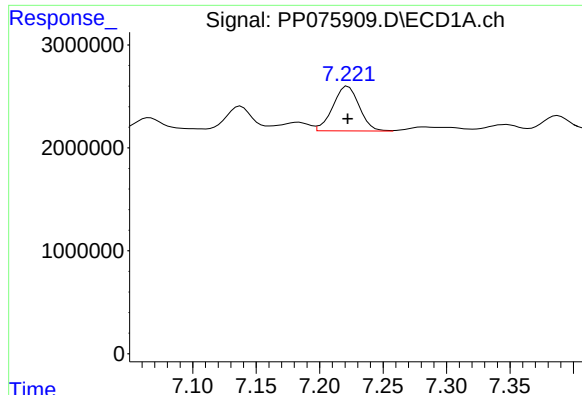
#27 AR-1254-2

R.T.: 6.860 min
Delta R.T.: 0.000 min
Response: 6001024
Conc: 60.02 ng/ml



#27 AR-1254-2

R.T.: 5.807 min
Delta R.T.: 0.002 min
Response: 31864124
Conc: 60.39 ng/ml



#28 AR-1254-3

R.T.: 7.222 min
Delta R.T.: 0.000 min
Response: 6253065
Conc: 60.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

#28 AR-1254-3

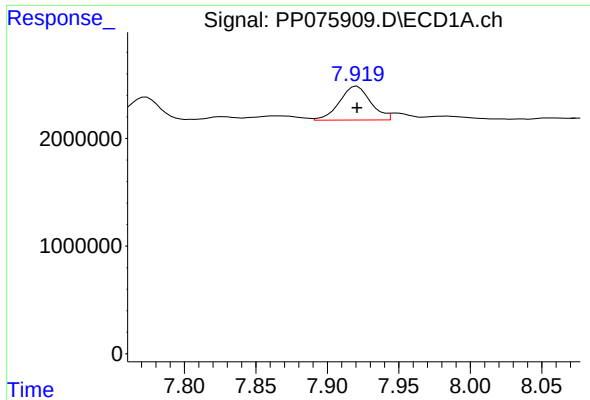
R.T.: 6.206 min
Delta R.T.: 0.000 min
Response: 36465652
Conc: 42.85 ng/ml

#29 AR-1254-4

R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 5244227
Conc: 62.72 ng/ml

#29 AR-1254-4

R.T.: 6.433 min
Delta R.T.: 0.000 min
Response: 24763386
Conc: 39.32 ng/ml



#30 AR-1254-5

R.T.: 7.921 min
Delta R.T.: 0.000 min
Response: 4771352
Conc: 52.11 ng/ml

Instrument :

ECD_P

ClientSampleId :

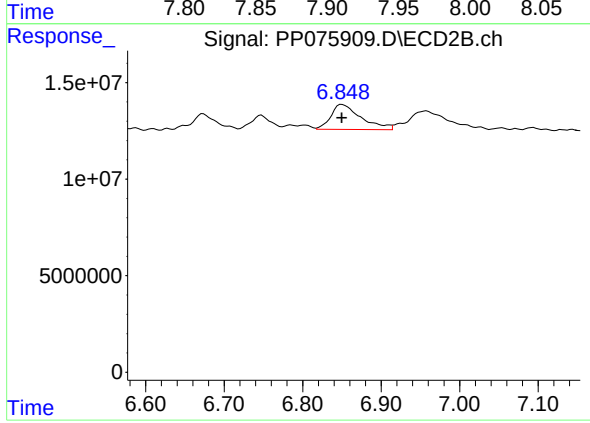
AR1254ICC050

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025



#30 AR-1254-5

R.T.: 6.850 min
Delta R.T.: 0.000 min
Response: 34659929
Conc: 48.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 15:40
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:21:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:20:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.647	3.785	76058633	352.0E6	50.000	50.000
2) SA Decachlor...	10.425	8.786	61011705	448.1E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	8.232	6.893	42013007	493.5E6	500.000	500.000
37) L8 AR-1262-2	8.557	7.150	81834582	351.6E6	500.000	500.000
38) L8 AR-1262-3	8.883	7.672	60893486	303.5E6	500.000	500.000
39) L8 AR-1262-4	8.971	7.736	46055772	550.7E6	500.000	500.000
40) L8 AR-1262-5	9.642	8.231	33912301	230.7E6	500.000	500.000

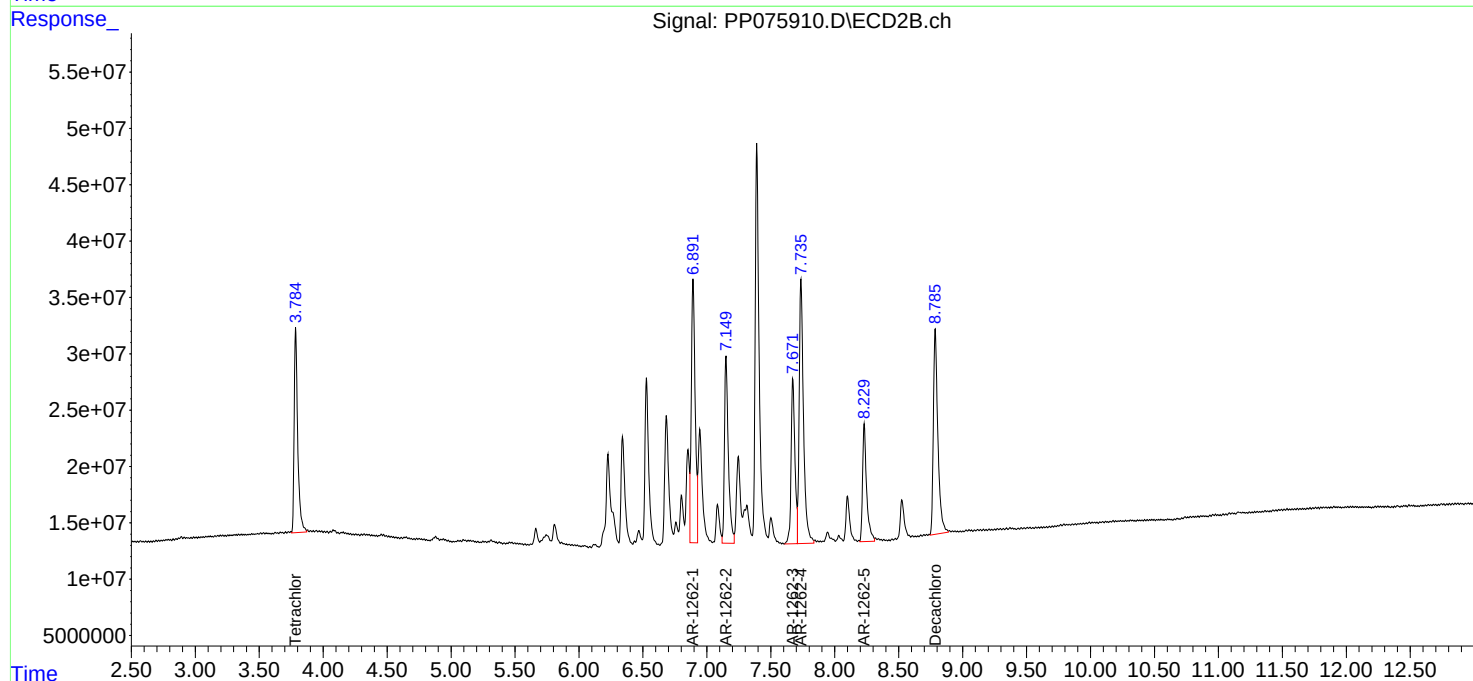
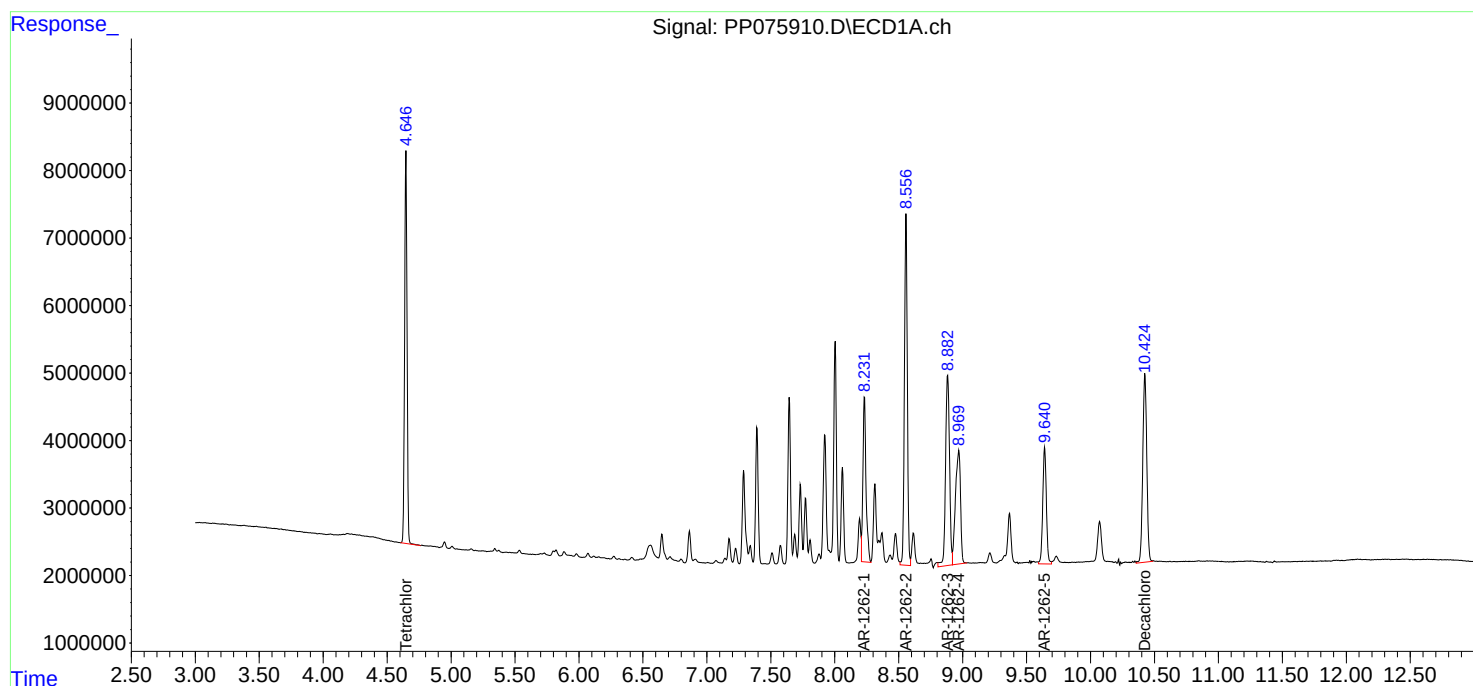
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 15:40
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 16:21:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 16:20:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PP075910.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.647 min
Delta R.T.: 0.000 min
Response: 76058633
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Time

Response_ Signal: PP075910.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: 0.000 min
Response: 352032455
Conc: 50.00 ng/ml

Time

Response_ Signal: PP075910.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 10.425 min
Delta R.T.: 0.000 min
Response: 61011705
Conc: 50.00 ng/ml

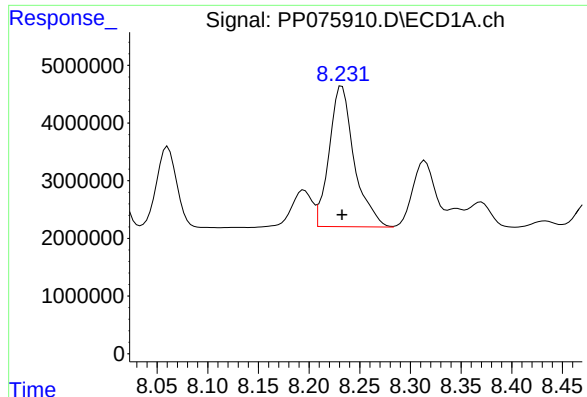
Time

Response_ Signal: PP075910.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 448136268
Conc: 50.00 ng/ml

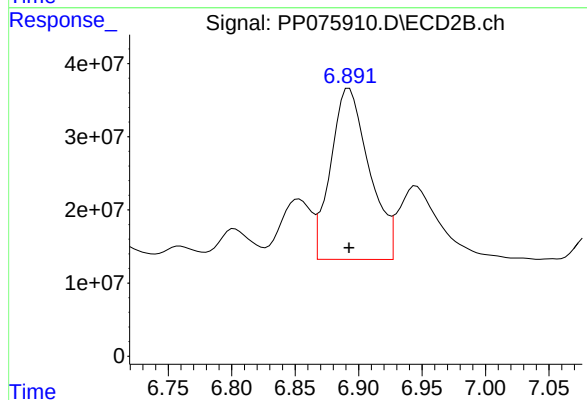
Time



#36 AR-1262-1

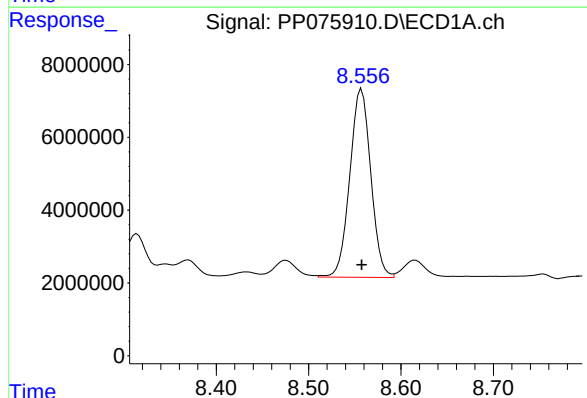
R.T.: 8.232 min
Delta R.T.: 0.000 min
Response: 42013007
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



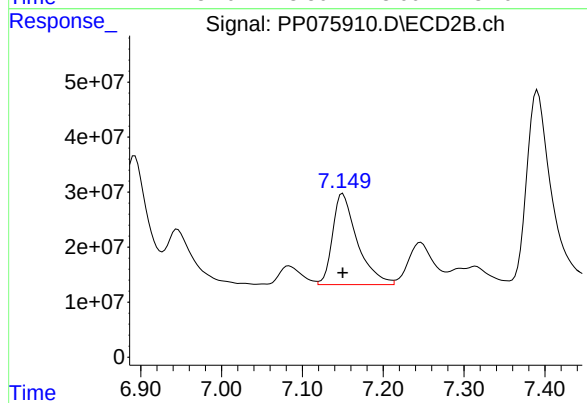
#36 AR-1262-1

R.T.: 6.893 min
Delta R.T.: 0.000 min
Response: 493476067
Conc: 500.00 ng/ml



#37 AR-1262-2

R.T.: 8.557 min
Delta R.T.: 0.000 min
Response: 81834582
Conc: 500.00 ng/ml



#37 AR-1262-2

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 351603586
Conc: 500.00 ng/ml

Response_ Signal: PP075910.D\ECD1A.ch

#38 AR-1262-3

R.T.: 8.883 min
Delta R.T.: 0.000 min
Response: 60893486
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Time

Response_ Signal: PP075910.D\ECD2B.ch

#38 AR-1262-3

R.T.: 7.672 min
Delta R.T.: 0.000 min
Response: 303480349
Conc: 500.00 ng/ml

Time

Response_ Signal: PP075910.D\ECD1A.ch

#39 AR-1262-4

R.T.: 8.971 min
Delta R.T.: 0.000 min
Response: 46055772
Conc: 500.00 ng/ml

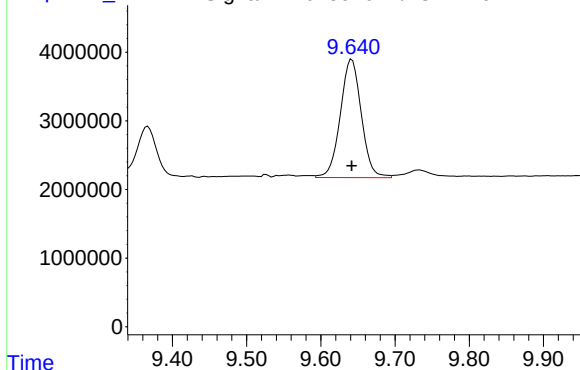
Time

Response_ Signal: PP075910.D\ECD2B.ch

#39 AR-1262-4

R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 550668544
Conc: 500.00 ng/ml

Time



R.T.: 9.642 min
Delta R.T.: 0.000 min
Response: 33912301
Conc: 500.00 ng/ml

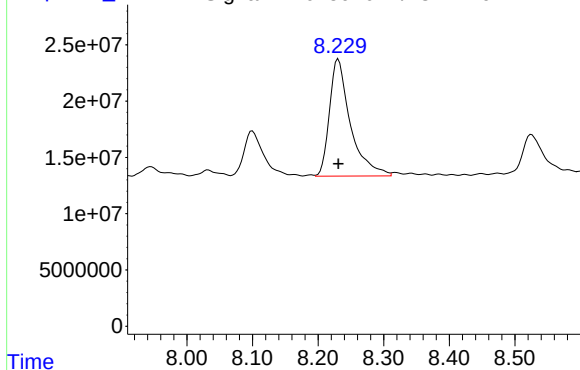
Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Time

Response_

Signal: PP075910.D\ECD2B.ch

#40 AR-1262-5



R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 230745763
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 15:56
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.784	151.5E6	749.9E6	97.157	99.641
2) SA Decachlor...	10.424	8.785	198.8E6	1671.8E6	95.543	99.055
Target Compounds						
41) L9 AR-1268-1	8.878	7.673	186.7E6	1831.6E6	951.896	992.615
42) L9 AR-1268-2	8.973	7.737	172.5E6	1800.4E6	956.477	1001.376
43) L9 AR-1268-3	9.213	7.944	145.2E6	1369.8E6	961.447	988.116
44) L9 AR-1268-4	9.640	8.230	71036137	542.8E6	963.668	1002.321
45) L9 AR-1268-5	10.071	8.526	446.4E6	3855.5E6	968.612	979.920

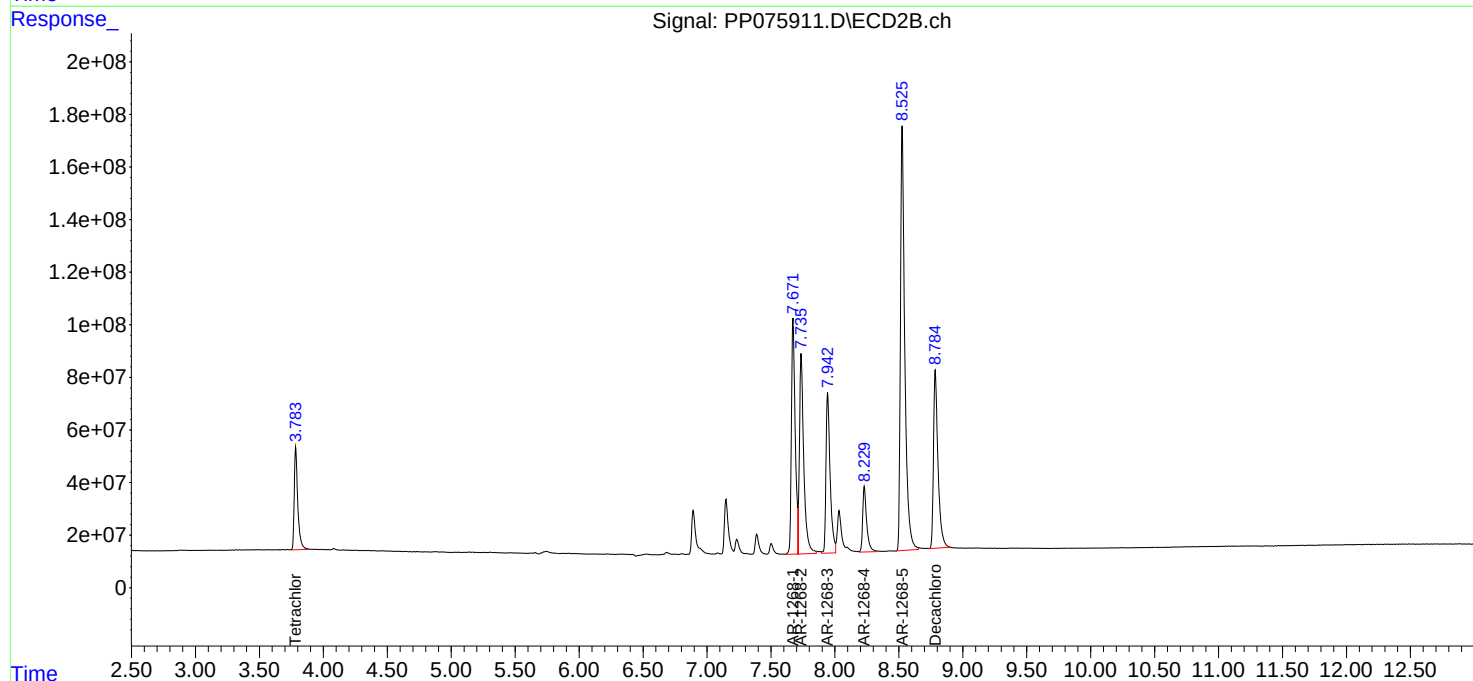
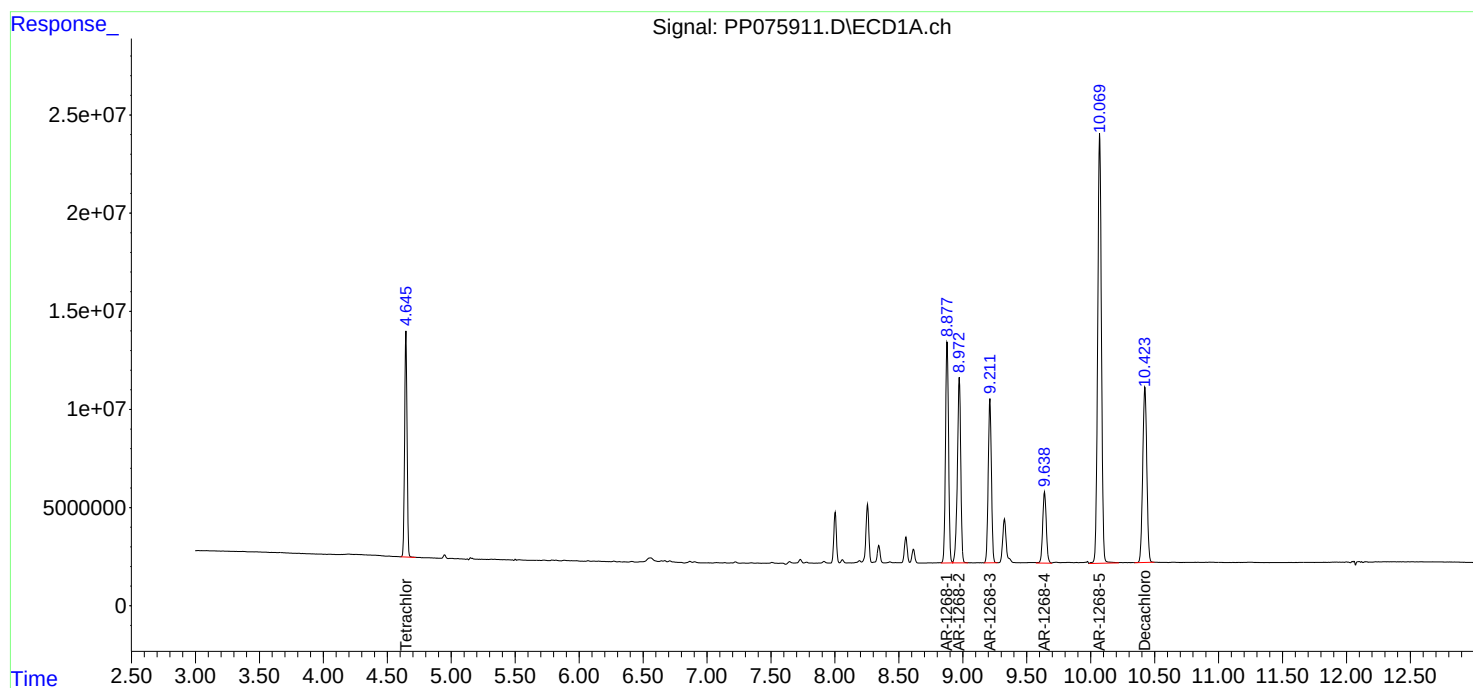
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

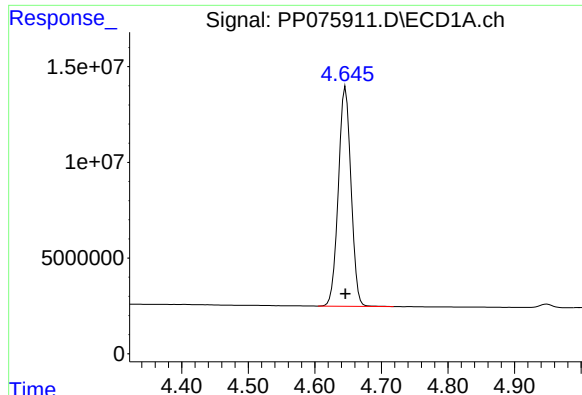
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 15:56
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

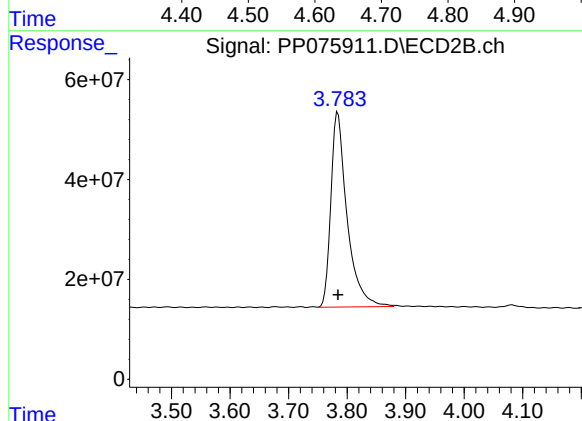




#1 Tetrachloro-m-xylene

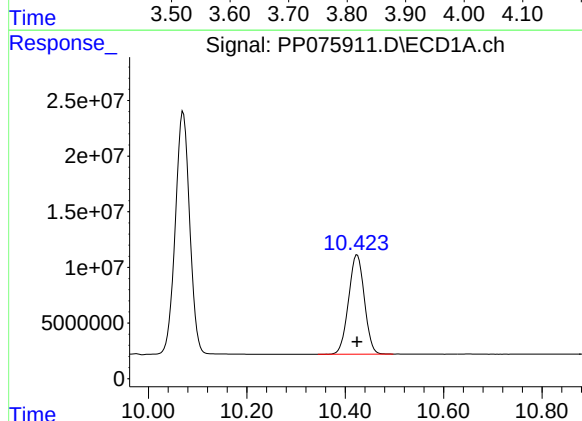
R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 151508304
Conc: 97.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



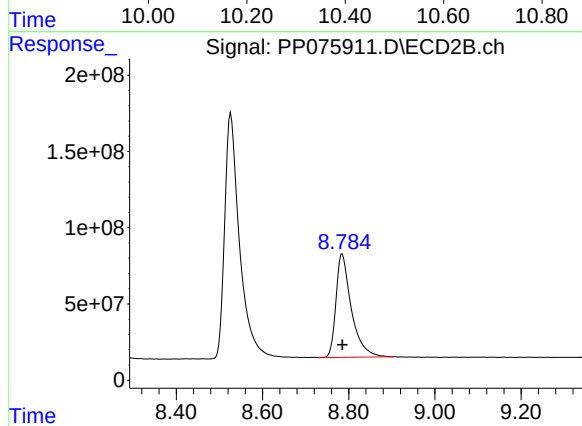
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.000 min
Response: 749940088
Conc: 99.64 ng/ml



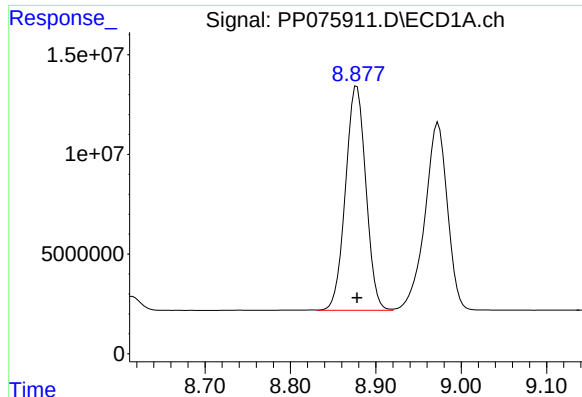
#2 Decachlorobiphenyl

R.T.: 10.424 min
Delta R.T.: 0.000 min
Response: 198839487
Conc: 95.54 ng/ml



#2 Decachlorobiphenyl

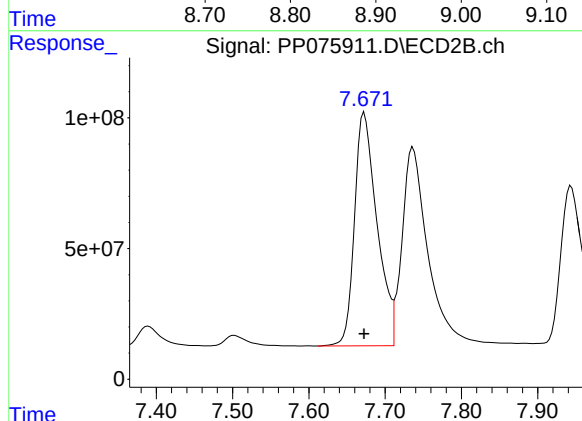
R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 1671833237
Conc: 99.05 ng/ml



#41 AR-1268-1

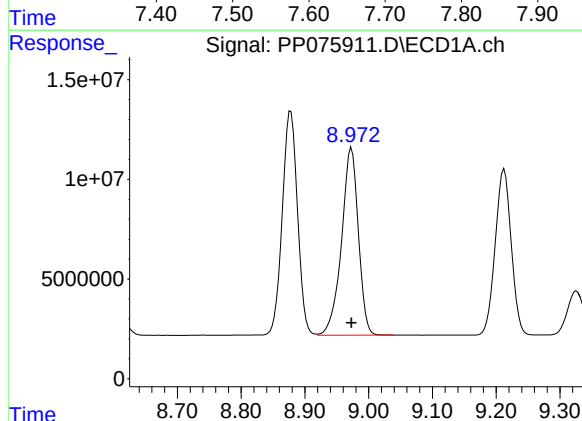
R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 186733090
Conc: 951.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



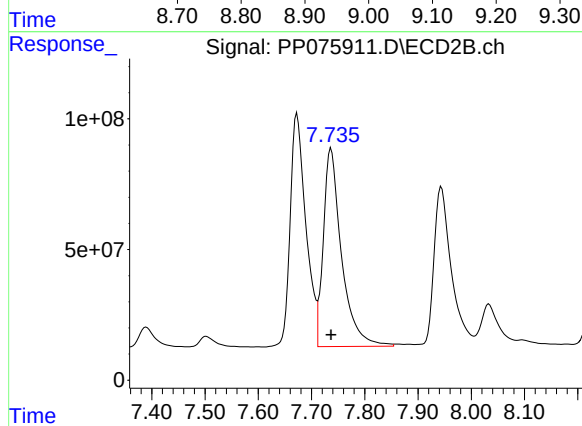
#41 AR-1268-1

R.T.: 7.673 min
Delta R.T.: 0.000 min
Response: 1831610079
Conc: 992.62 ng/ml



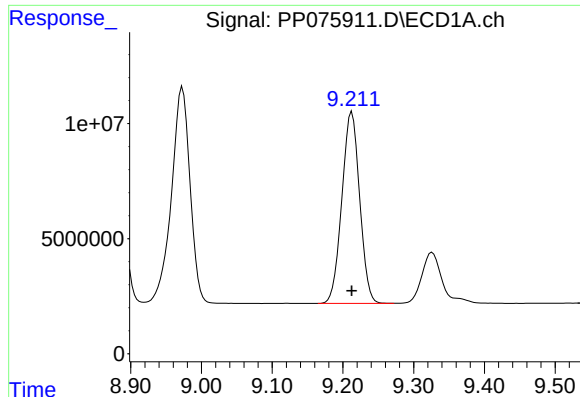
#42 AR-1268-2

R.T.: 8.973 min
Delta R.T.: 0.000 min
Response: 172486766
Conc: 956.48 ng/ml



#42 AR-1268-2

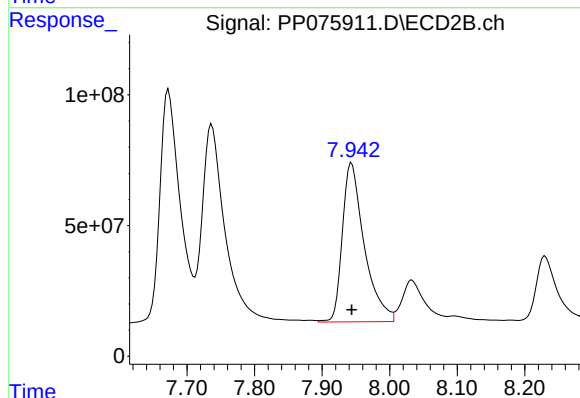
R.T.: 7.737 min
Delta R.T.: 0.000 min
Response: 1800363506
Conc: 1001.38 ng/ml



#43 AR-1268-3

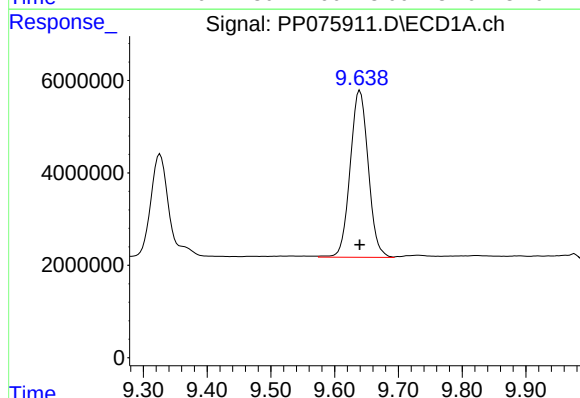
R.T.: 9.213 min
Delta R.T.: 0.000 min
Response: 145245892
Conc: 961.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



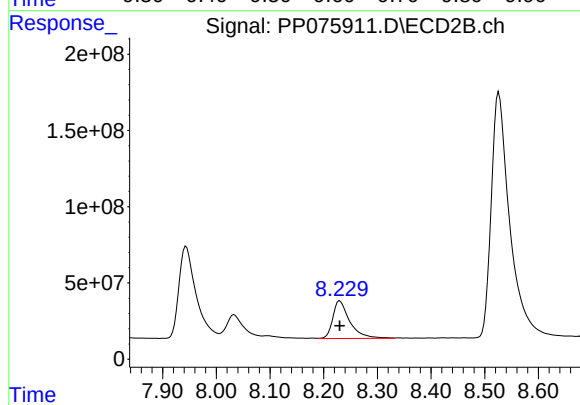
#43 AR-1268-3

R.T.: 7.944 min
Delta R.T.: 0.000 min
Response: 1369797429
Conc: 988.12 ng/ml



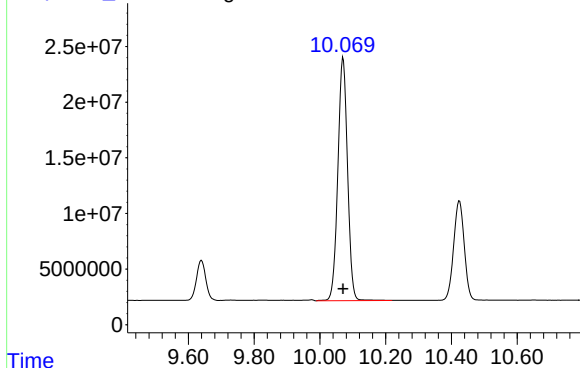
#44 AR-1268-4

R.T.: 9.640 min
Delta R.T.: 0.000 min
Response: 71036137
Conc: 963.67 ng/ml



#44 AR-1268-4

R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 542764588
Conc: 1002.32 ng/ml



R.T.: 10.071 min
Delta R.T.: 0.000 min
Response: 446420076
Conc: 968.61 ng/ml

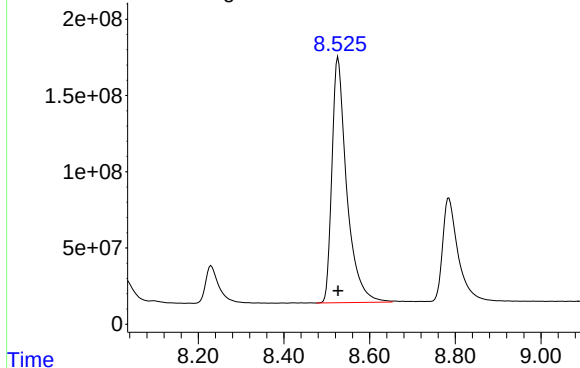
Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Time

Response_

Signal: PP075911.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.526 min
Delta R.T.: 0.000 min
Response: 3855476951
Conc: 979.92 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:12
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:06:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.783	116.2E6	564.9E6	74.674	75.037
2) SA Decachlor...	10.423	8.784	155.7E6	1249.5E6	74.863	74.351
Target Compounds						
41) L9 AR-1268-1	8.877	7.671	146.3E6	1360.1E6	747.184	741.339
42) L9 AR-1268-2	8.973	7.736	134.4E6	1329.3E6	746.666	742.894
43) L9 AR-1268-3	9.211	7.943	112.7E6	1019.0E6	747.385	739.990
44) L9 AR-1268-4	9.640	8.229	56104264	402.6E6	757.366	745.626
45) L9 AR-1268-5	10.070	8.525	344.2E6	2925.3E6	747.861	745.651

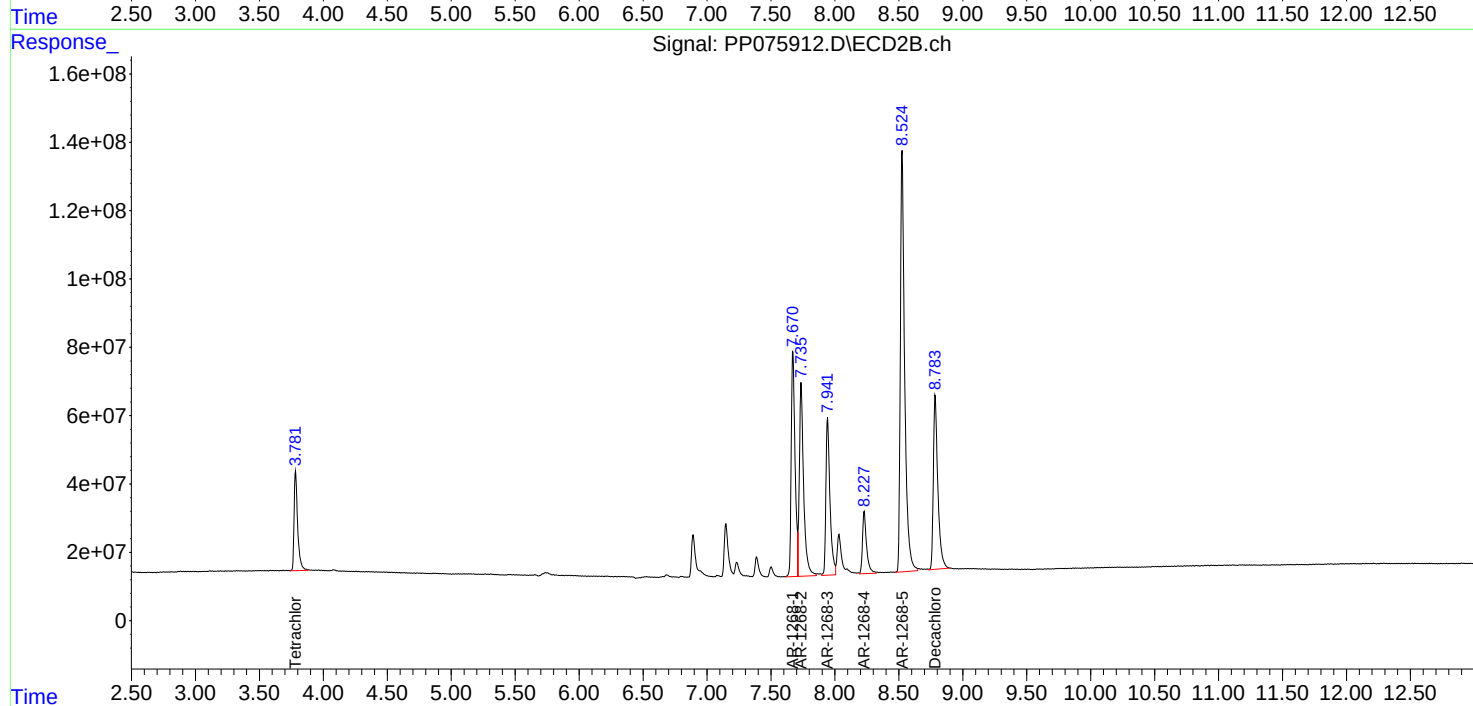
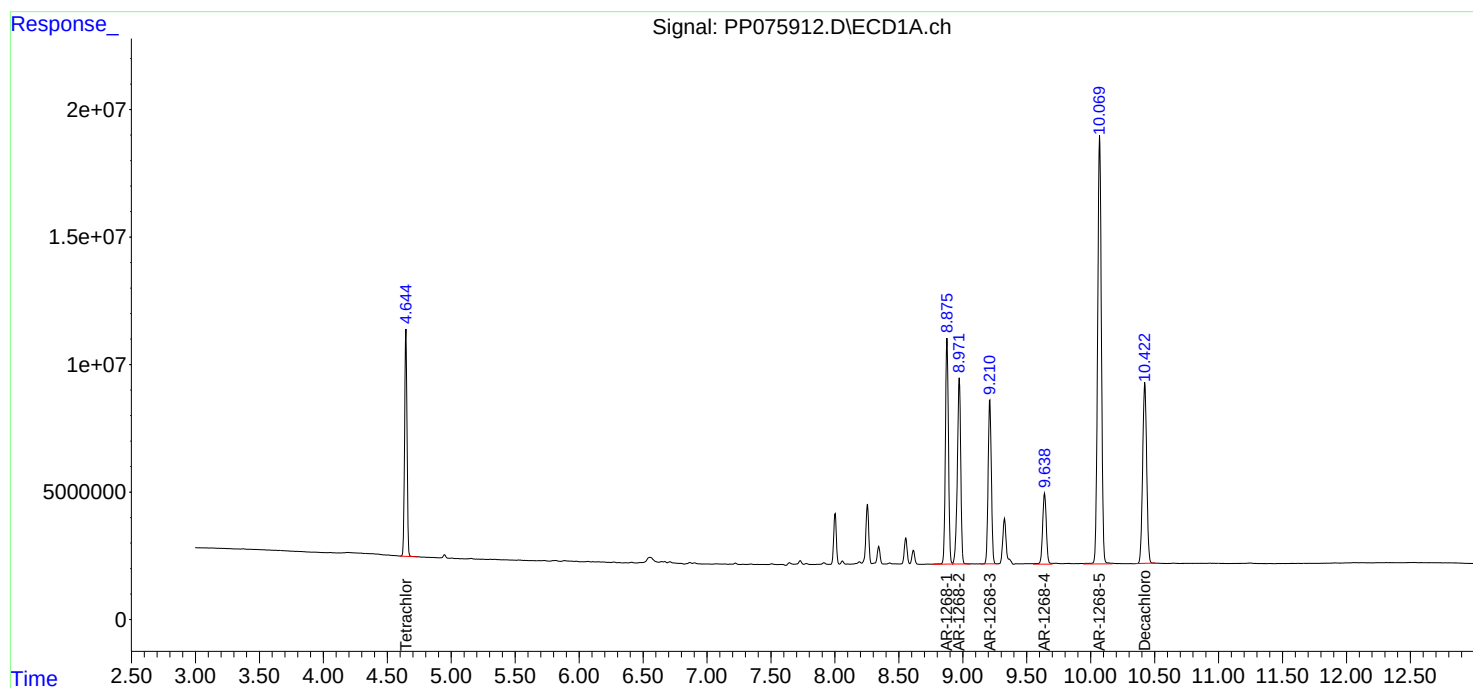
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:12
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:06:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: PP075912.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 116194915
Conc: 74.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Time

Response_ Signal: PP075912.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.000 min
Response: 564897971
Conc: 75.04 ng/ml

Time

Response_ Signal: PP075912.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: 0.000 min
Response: 155657611
Conc: 74.86 ng/ml

Time

Response_ Signal: PP075912.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.000 min
Response: 1249480376
Conc: 74.35 ng/ml

Time

Response_ Signal: PP075912.D\ECD1A.ch

#41 AR-1268-1

R.T.: 8.877 min
Delta R.T.: 0.000 min
Response: 146300214
Conc: 747.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Time 8.40 8.50 8.60 8.70 8.80 8.90 9.00 9.10 9.20

Response_ Signal: PP075912.D\ECD2B.ch

#41 AR-1268-1

R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 1360092582
Conc: 741.34 ng/ml

Time 7.40 7.50 7.60 7.70 7.80 7.90

Response_ Signal: PP075912.D\ECD1A.ch

#42 AR-1268-2

R.T.: 8.973 min
Delta R.T.: 0.000 min
Response: 134351598
Conc: 746.67 ng/ml

Time 8.60 8.70 8.80 8.90 9.00 9.10 9.20 9.30

Response_ Signal: PP075912.D\ECD2B.ch

#42 AR-1268-2

R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 1329343692
Conc: 742.89 ng/ml

Time 7.40 7.50 7.60 7.70 7.80 7.90 8.00 8.10

Response_ Signal: PP075912.D\ECD1A.ch

#43 AR-1268-3

R.T.: 9.211 min
Delta R.T.: 0.000 min
Response: 112711035
Conc: 747.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Time

Response_ Signal: PP075912.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.943 min
Delta R.T.: 0.000 min
Response: 1019026233
Conc: 739.99 ng/ml

Time

Response_ Signal: PP075912.D\ECD1A.ch

#44 AR-1268-4

R.T.: 9.640 min
Delta R.T.: 0.000 min
Response: 56104264
Conc: 757.37 ng/ml

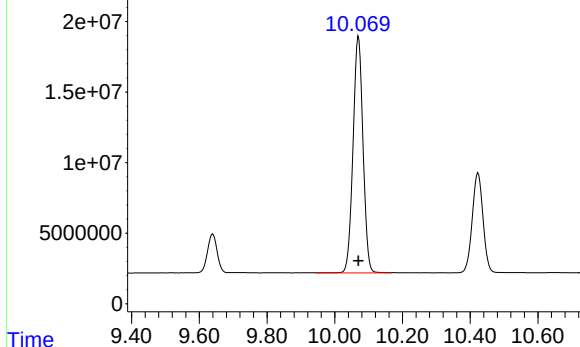
Time

Response_ Signal: PP075912.D\ECD2B.ch

#44 AR-1268-4

R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 402588428
Conc: 745.63 ng/ml

Time



R.T.: 10.070 min
Delta R.T.: 0.000 min
Response: 344188156
Conc: 747.86 ng/ml

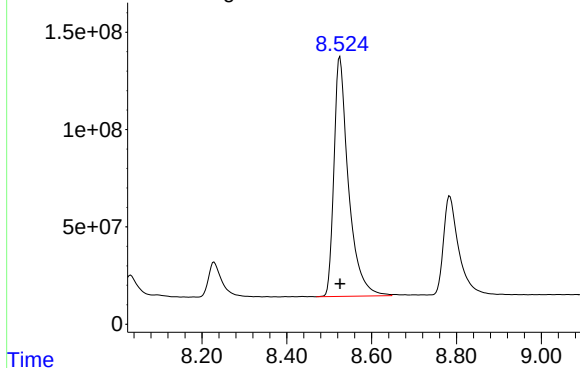
Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Time

Response_

Signal: PP075912.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.525 min
Delta R.T.: 0.000 min
Response: 2925269569
Conc: 745.65 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:29
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:59:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.647	3.785	80186895	377.7E6	50.000	50.000
2) SA Decachlor...	10.424	8.785	108.7E6	851.9E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.878	7.673	102.8E6	929.4E6	500.000	500.000
42) L9 AR-1268-2	8.973	7.737	94092052	897.7E6	500.000	500.000
43) L9 AR-1268-3	9.213	7.943	78447140	701.4E6	500.000	500.000
44) L9 AR-1268-4	9.641	8.229	38196242	270.1E6	500.000	500.000
45) L9 AR-1268-5	10.070	8.526	237.7E6	2006.7E6	500.000	500.000

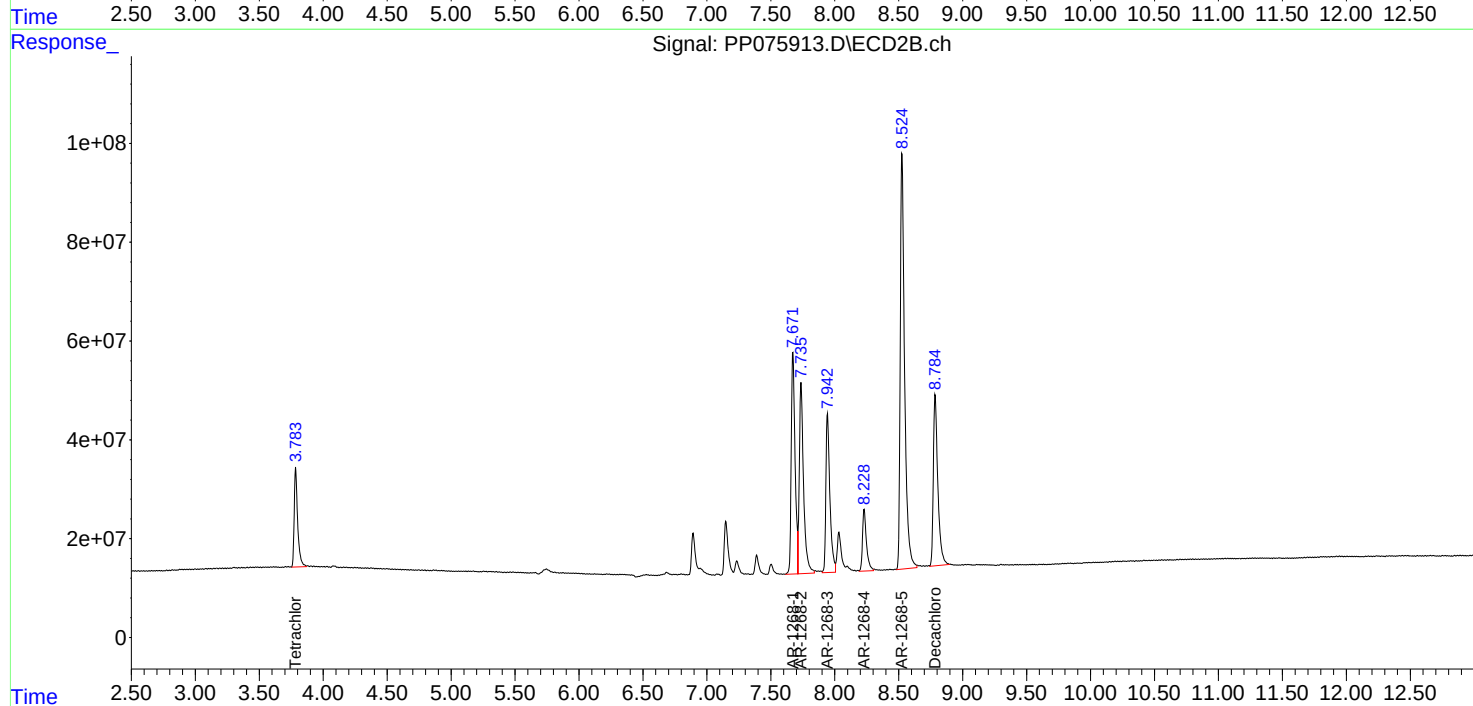
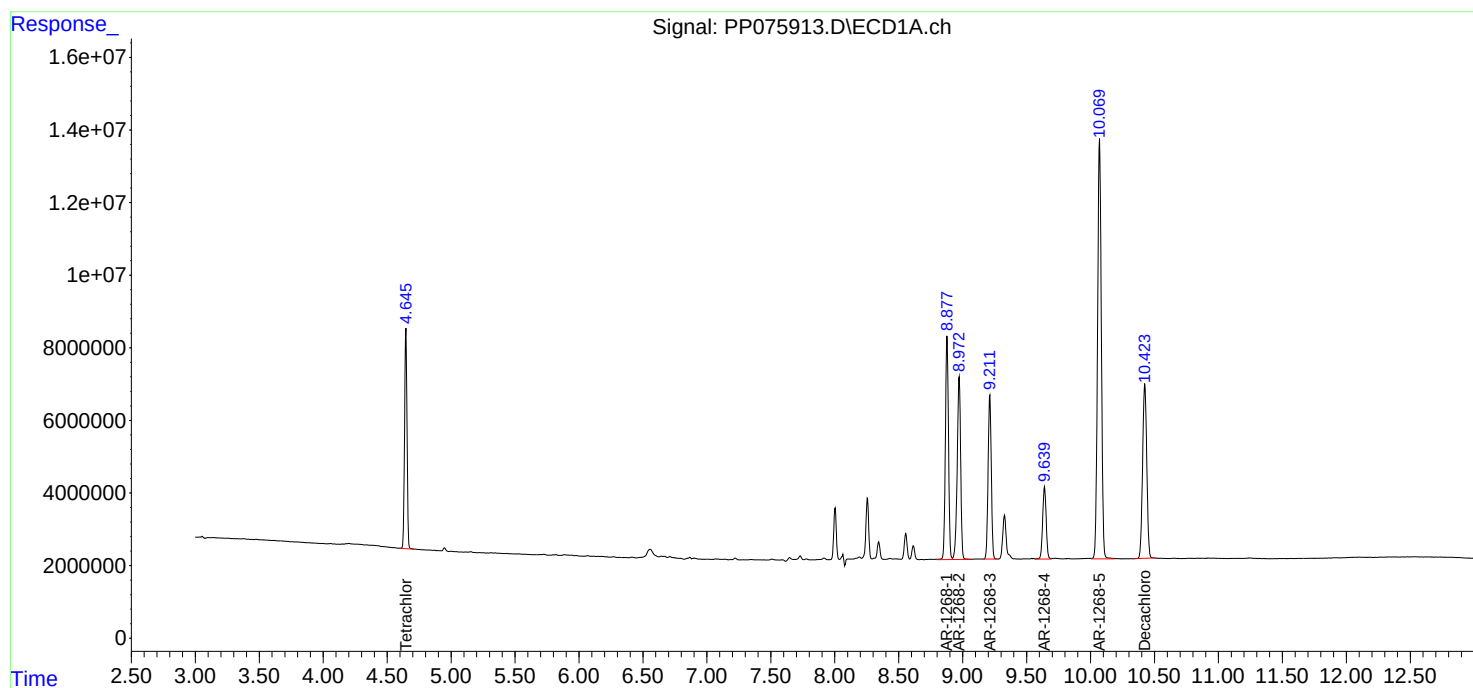
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

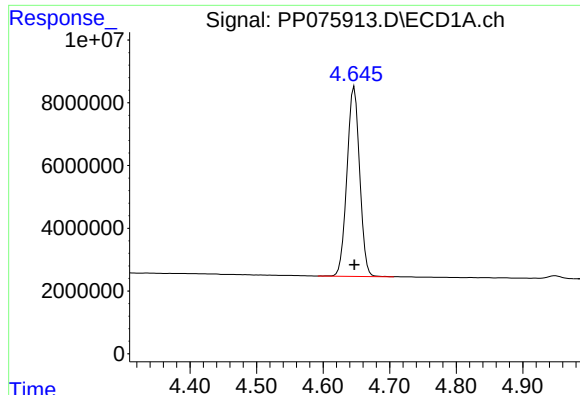
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:29
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 17:59:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

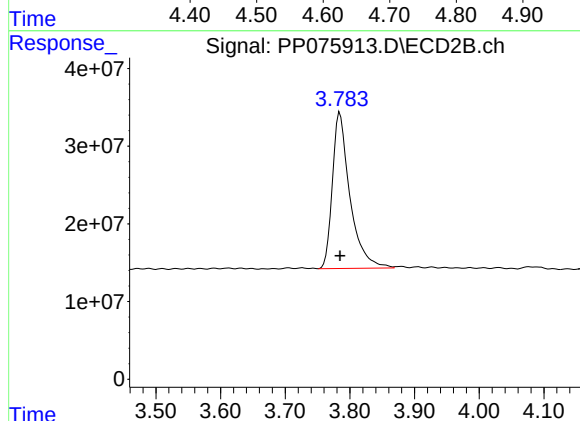




#1 Tetrachloro-m-xylene

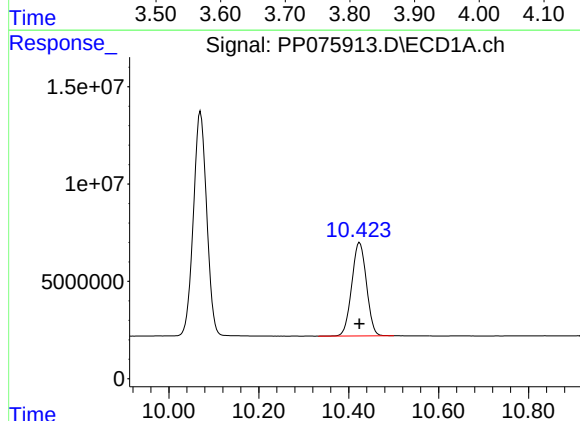
R.T.: 4.647 min
Delta R.T.: 0.000 min
Response: 80186895
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



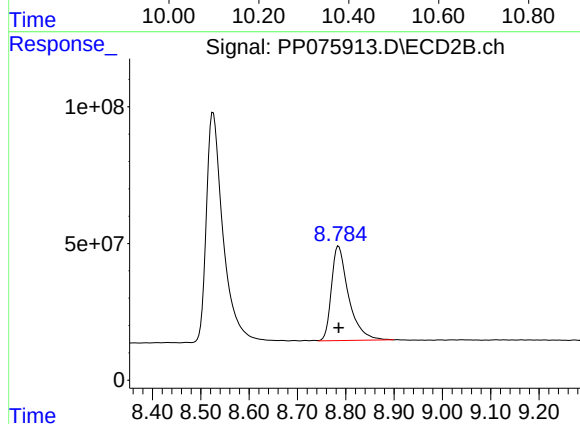
#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: 0.000 min
Response: 377671573
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

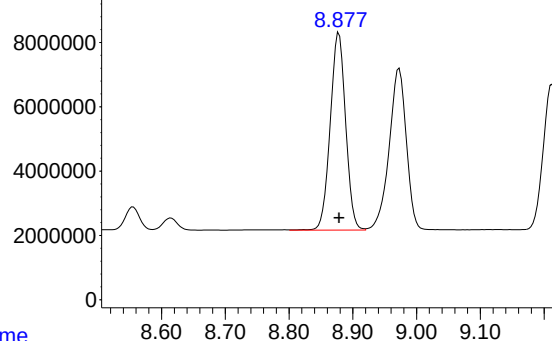
R.T.: 10.424 min
Delta R.T.: 0.000 min
Response: 108695342
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 851873809
Conc: 50.00 ng/ml

Response_ Signal: PP075913.D\ECD1A.ch

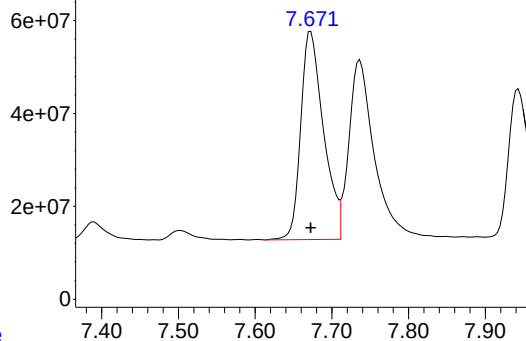


#41 AR-1268-1

R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 102803074
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

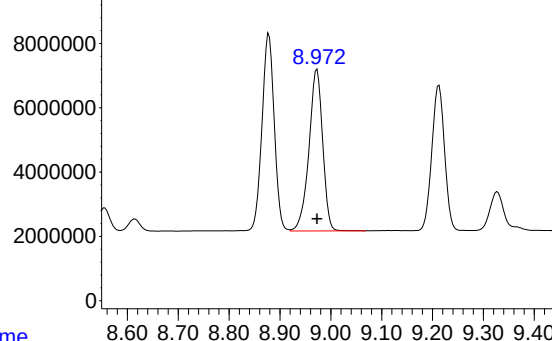
Time Response_ Signal: PP075913.D\ECD2B.ch



#41 AR-1268-1

R.T.: 7.673 min
Delta R.T.: 0.000 min
Response: 929431654
Conc: 500.00 ng/ml

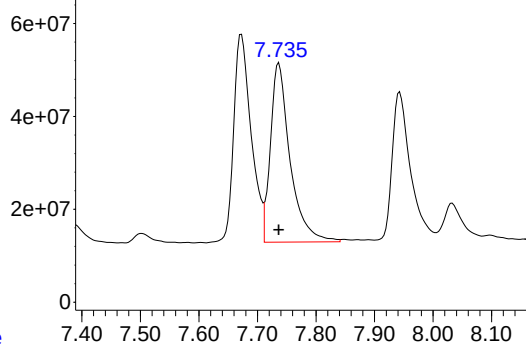
Time Response_ Signal: PP075913.D\ECD1A.ch



#42 AR-1268-2

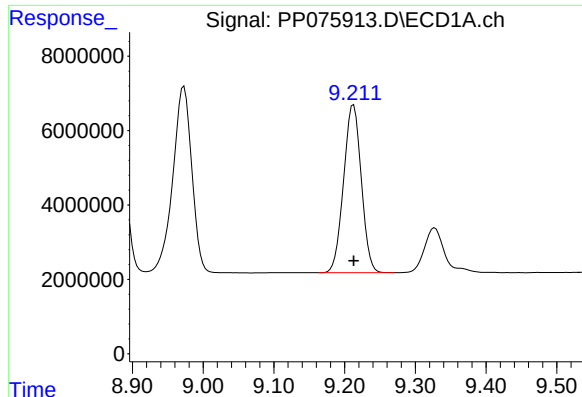
R.T.: 8.973 min
Delta R.T.: 0.000 min
Response: 94092052
Conc: 500.00 ng/ml

Time Response_ Signal: PP075913.D\ECD2B.ch



#42 AR-1268-2

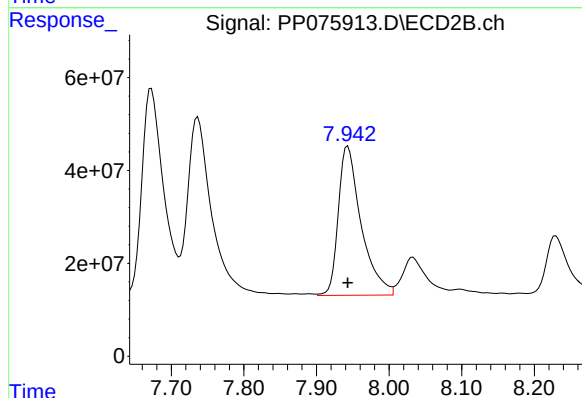
R.T.: 7.737 min
Delta R.T.: 0.000 min
Response: 897707664
Conc: 500.00 ng/ml



#43 AR-1268-3

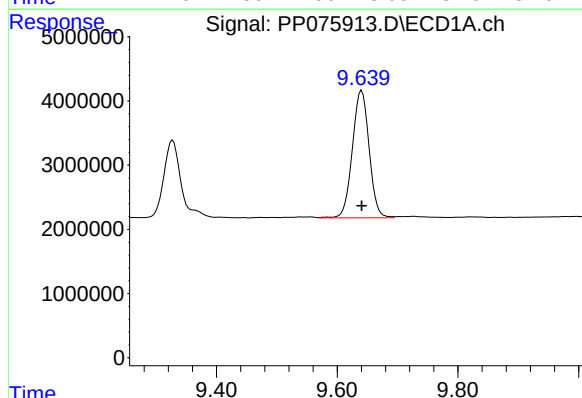
R.T.: 9.213 min
Delta R.T.: 0.000 min
Response: 78447140
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



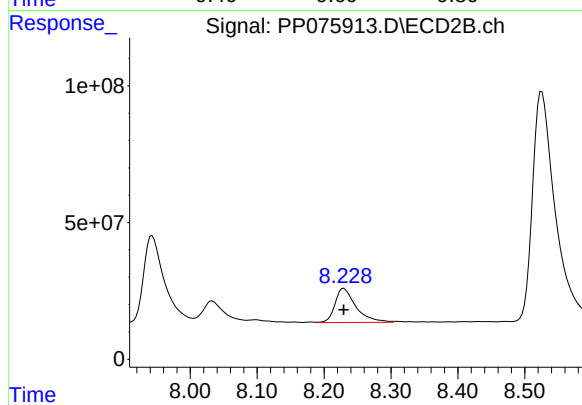
#43 AR-1268-3

R.T.: 7.943 min
Delta R.T.: 0.000 min
Response: 701373021
Conc: 500.00 ng/ml



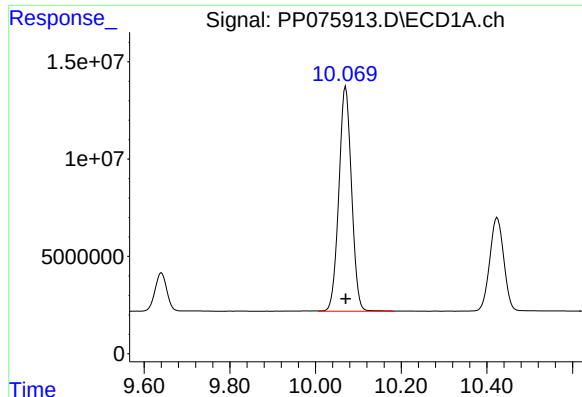
#44 AR-1268-4

R.T.: 9.641 min
Delta R.T.: 0.000 min
Response: 38196242
Conc: 500.00 ng/ml



#44 AR-1268-4

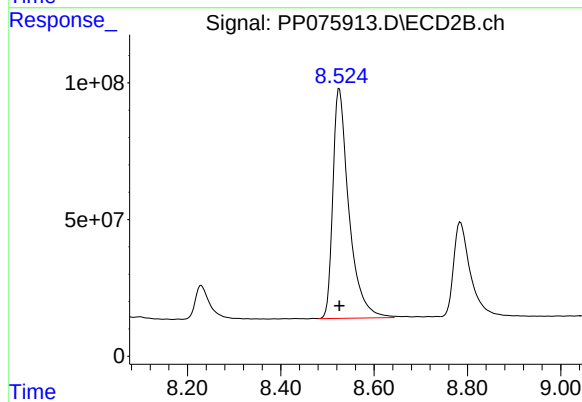
R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 270125720
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 10.070 min
Delta R.T.: 0.000 min
Response: 237676246
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.526 min
Delta R.T.: 0.000 min
Response: 2006744807
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:45
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:11:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.648	3.785	39777145	176.8E6	25.420	23.849
2) SA Decachlor...	10.427	8.786	55292786	404.9E6	26.176	24.316
Target Compounds						
41) L9 AR-1268-1	8.880	7.673	52505558	433.0E6	263.374	239.361
42) L9 AR-1268-2	8.975	7.737	47519594	415.5E6	260.422	236.426
43) L9 AR-1268-3	9.214	7.943	39522518	339.7E6	258.947	247.491
44) L9 AR-1268-4	9.642	8.231	19156803	125.4E6	256.397	236.500
45) L9 AR-1268-5	10.073	8.527	120.0E6	927.0E6	257.945	239.576

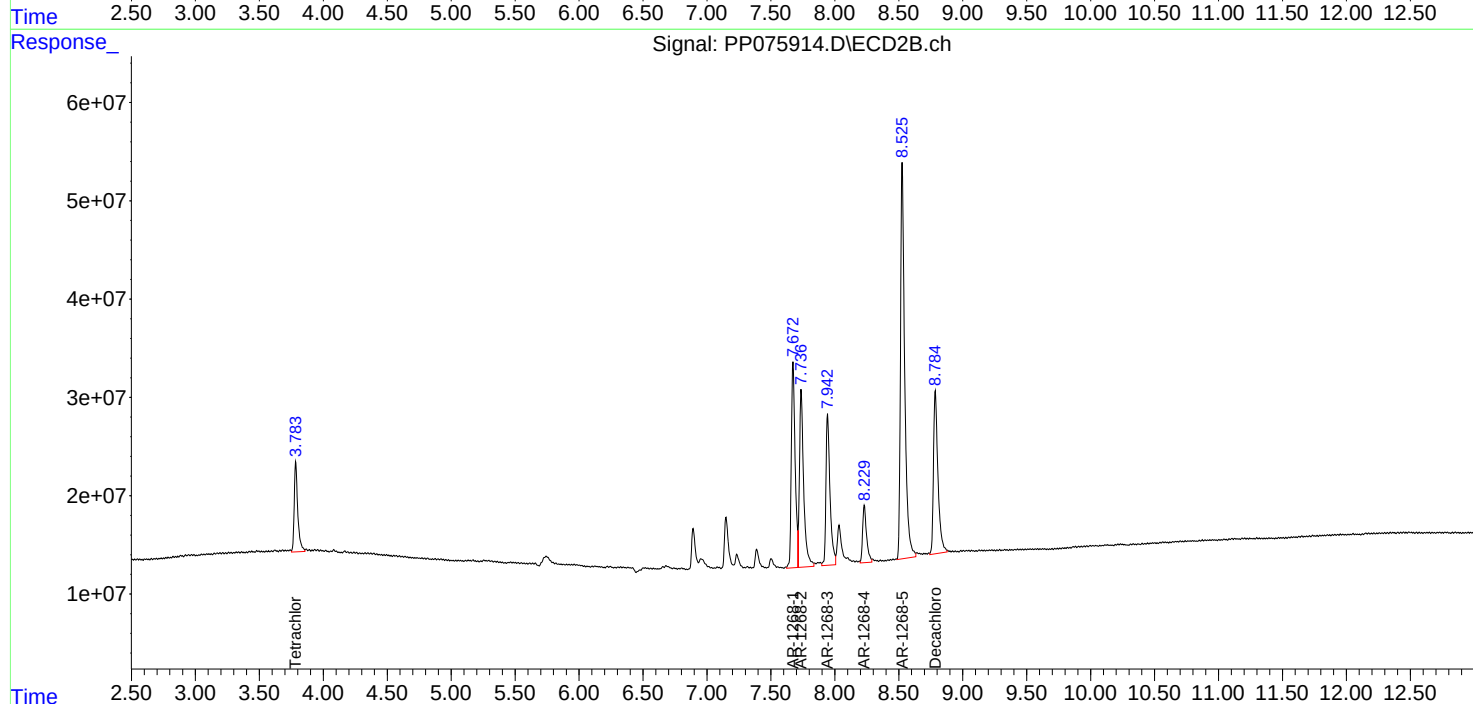
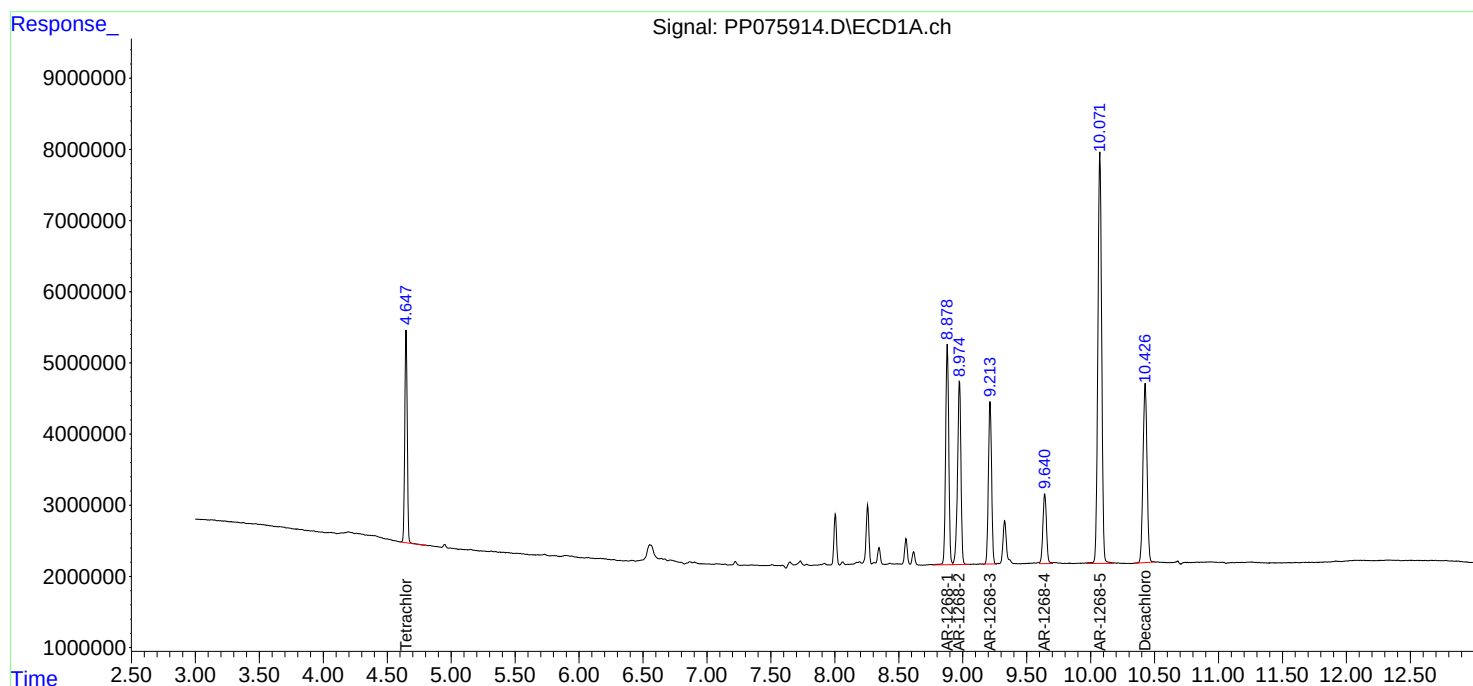
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 16:45
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

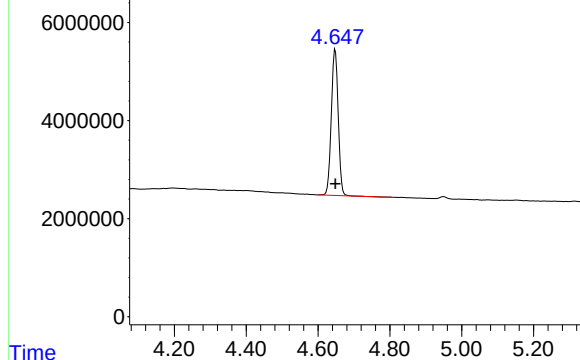
Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:11:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: PP075914.D\ECD1A.ch

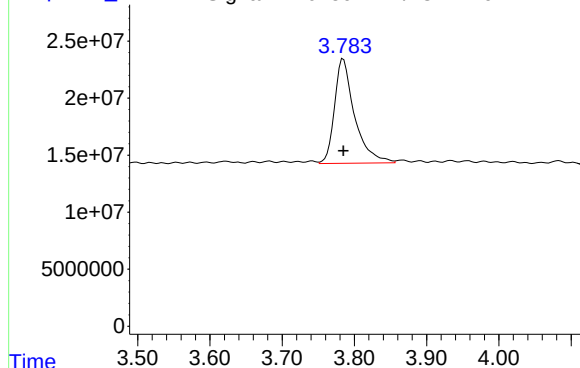


#1 Tetrachloro-m-xylene

R.T.: 4.648 min
Delta R.T.: 0.000 min
Response: 39777145
Conc: 25.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

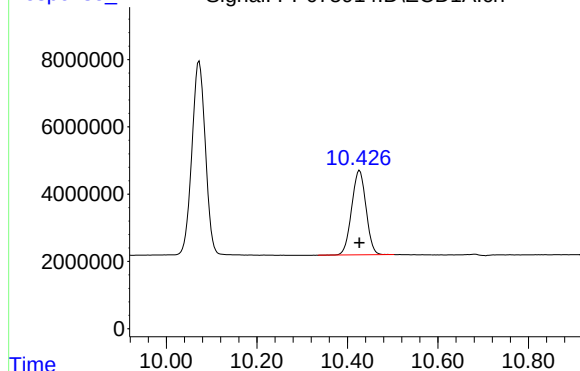
Time Response_ Signal: PP075914.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: 0.000 min
Response: 176826870
Conc: 23.85 ng/ml

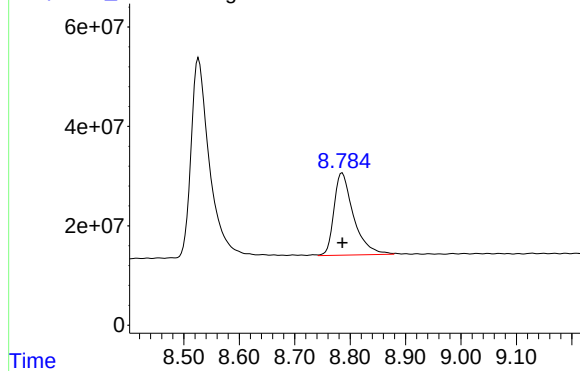
Response_ Signal: PP075914.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.427 min
Delta R.T.: 0.000 min
Response: 55292786
Conc: 26.18 ng/ml

Time Response_ Signal: PP075914.D\ECD2B.ch

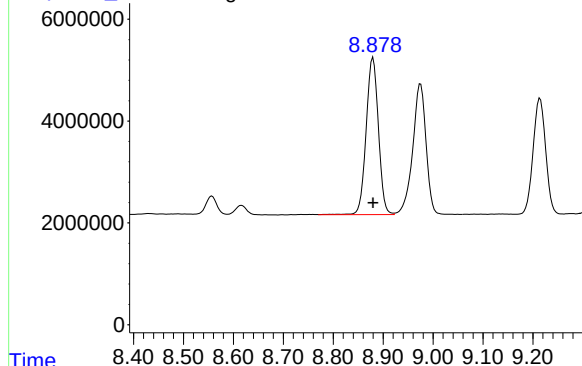


#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 404933663
Conc: 24.32 ng/ml

Response_ Signal: PP075914.D\ECD1A.ch

#41 AR-1268-1

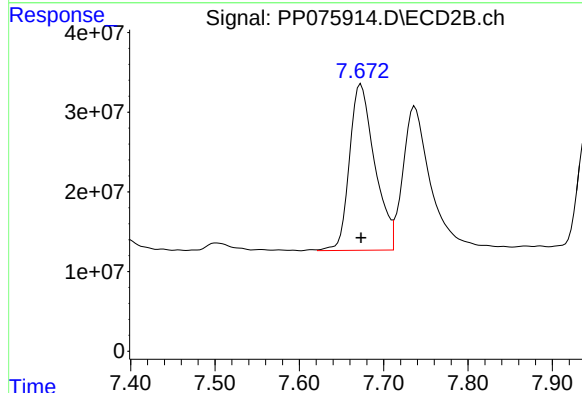


R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 52505558
Conc: 263.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Time Response_ Signal: PP075914.D\ECD2B.ch

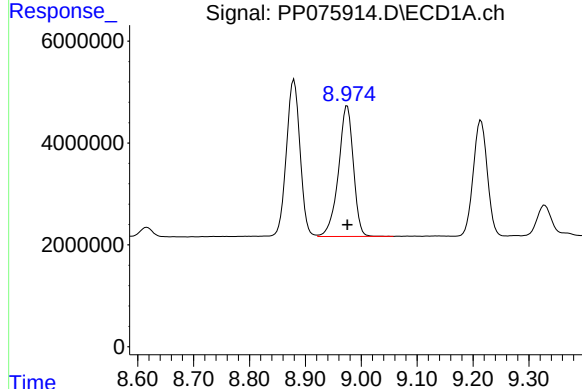
#41 AR-1268-1



R.T.: 7.673 min
Delta R.T.: 0.000 min
Response: 433000119
Conc: 239.36 ng/ml

Time Response_ Signal: PP075914.D\ECD1A.ch

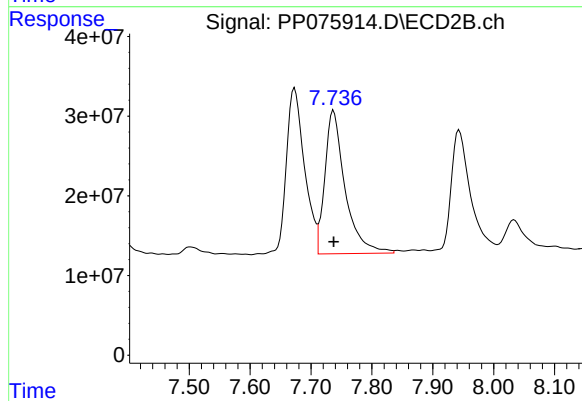
#42 AR-1268-2



R.T.: 8.975 min
Delta R.T.: 0.000 min
Response: 47519594
Conc: 260.42 ng/ml

Time Response_ Signal: PP075914.D\ECD2B.ch

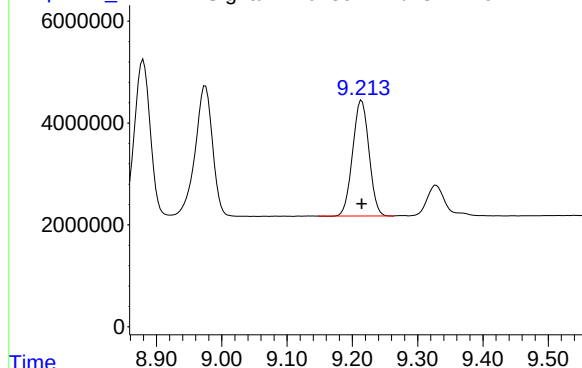
#42 AR-1268-2



R.T.: 7.737 min
Delta R.T.: 0.000 min
Response: 415541726
Conc: 236.43 ng/ml

Response_ Signal: PP075914.D\ECD1A.ch

#43 AR-1268-3

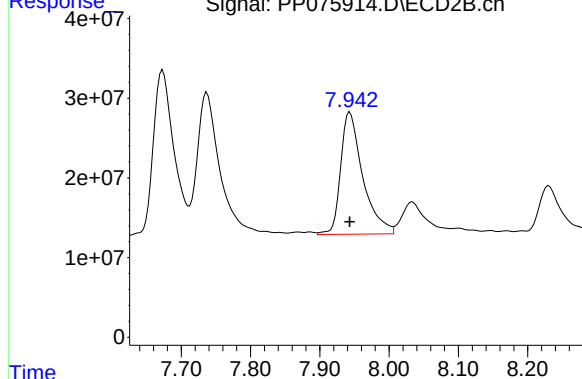


R.T.: 9.214 min
Delta R.T.: 0.000 min
Response: 39522518
Conc: 258.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Time Response_ Signal: PP075914.D\ECD2B.ch

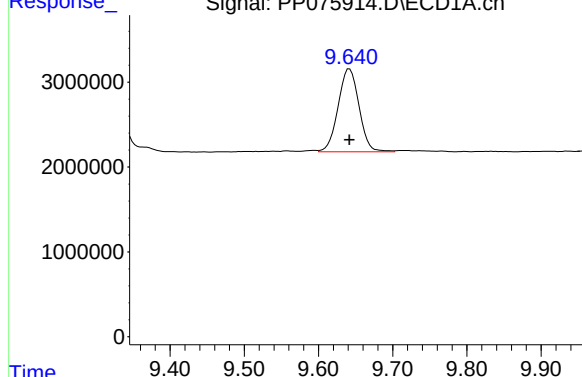
#43 AR-1268-3



R.T.: 7.943 min
Delta R.T.: 0.000 min
Response: 339678826
Conc: 247.49 ng/ml

Time Response_ Signal: PP075914.D\ECD1A.ch

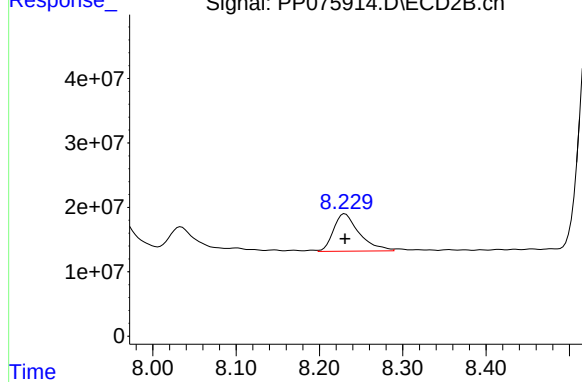
#44 AR-1268-4



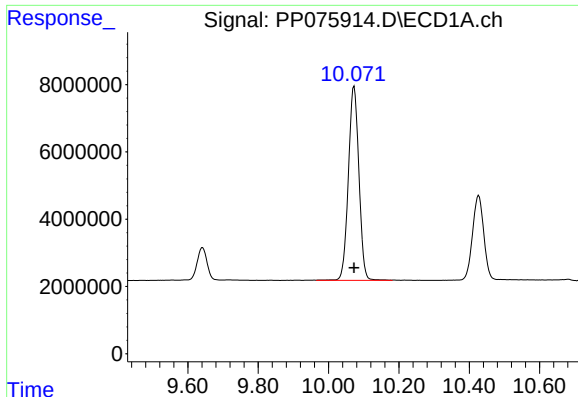
R.T.: 9.642 min
Delta R.T.: 0.000 min
Response: 19156803
Conc: 256.40 ng/ml

Time Response_ Signal: PP075914.D\ECD2B.ch

#44 AR-1268-4



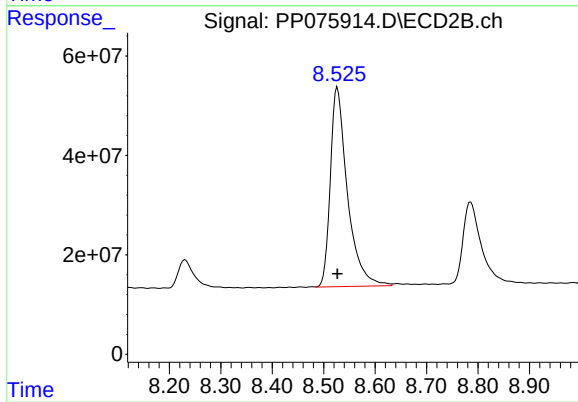
R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 125436731
Conc: 236.50 ng/ml



#45 AR-1268-5

R.T.: 10.073 min
Delta R.T.: 0.000 min
Response: 119984854
Conc: 257.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250



#45 AR-1268-5

R.T.: 8.527 min
Delta R.T.: 0.000 min
Response: 926998947
Conc: 239.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 17:01
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:15:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.785	8297245	34278784	5.239	4.694
2) SA Decachlor...	10.424	8.786	11780168	79254993	5.451	4.805
Target Compounds						
41) L9 AR-1268-1	8.878	7.671	11762673	90866583	56.952	50.184
42) L9 AR-1268-2	8.973	7.736	10571240	82258397	56.152	47.408
43) L9 AR-1268-3	9.212	7.944	8270442	67275006	53.294	49.210
44) L9 AR-1268-4	9.641	8.228	4718687	23283603	59.998	44.997 #
45) L9 AR-1268-5	10.071	8.525	27065230	169.1E6	56.340	44.825

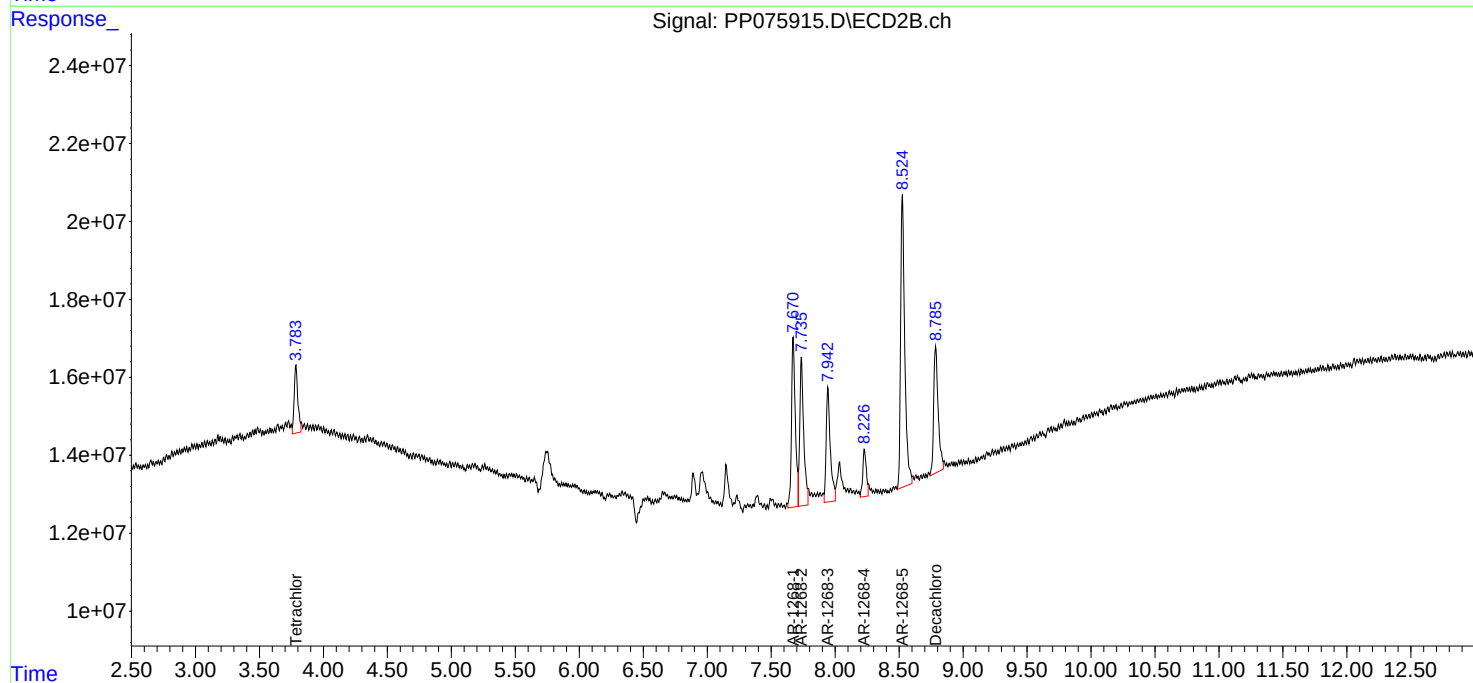
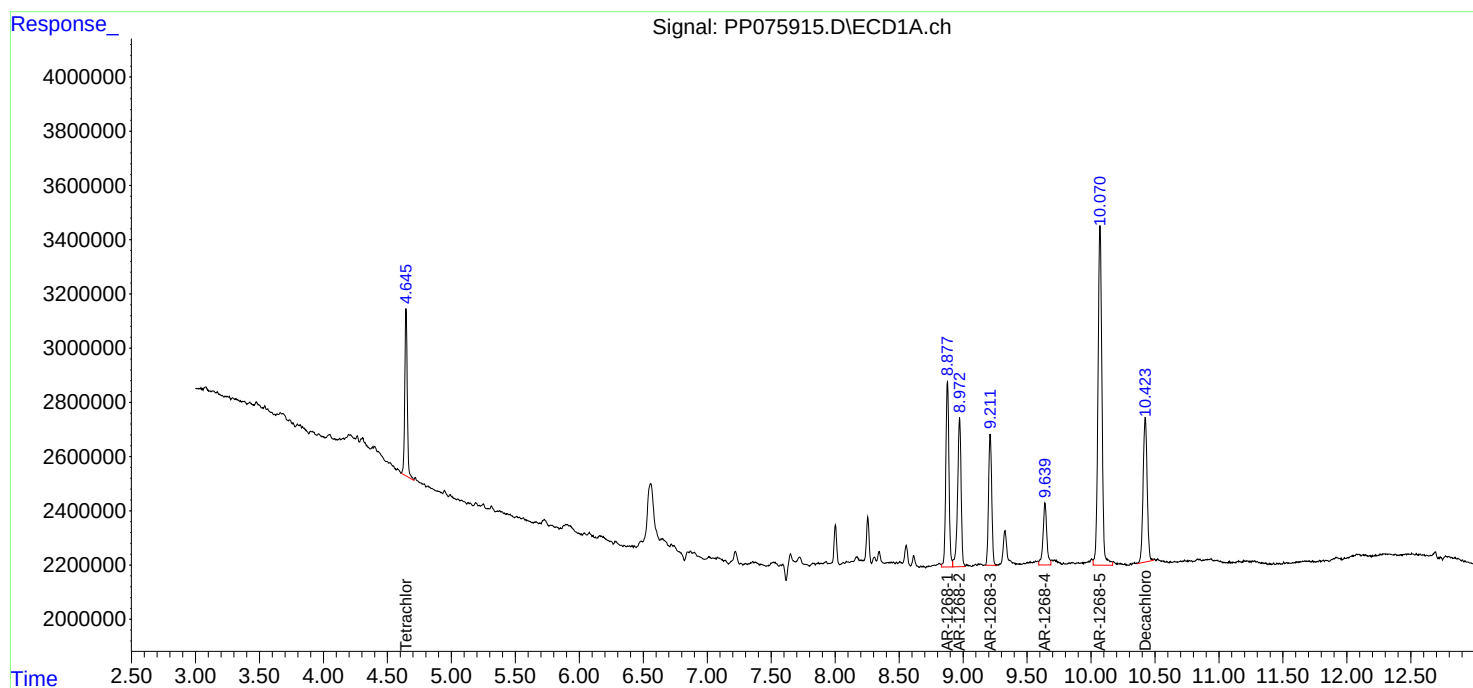
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

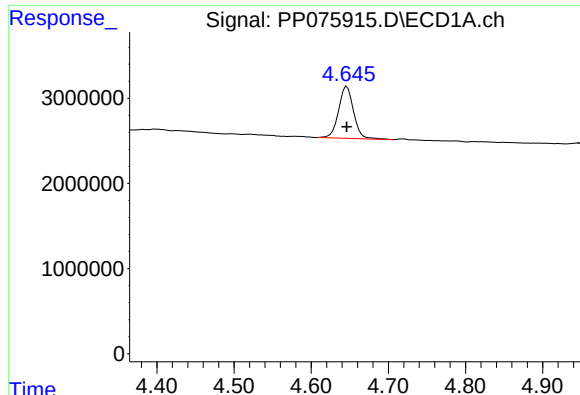
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 17:01
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:15:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 17:59:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

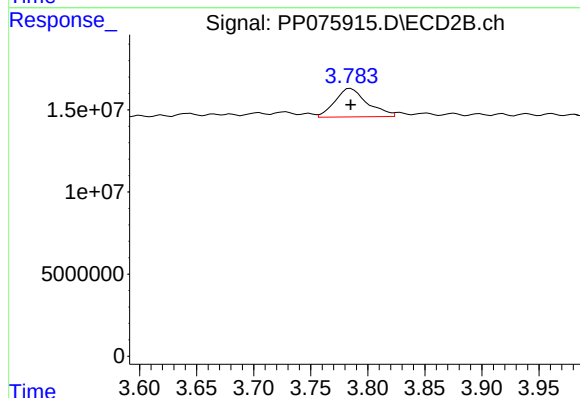




#1 Tetrachloro-m-xylene

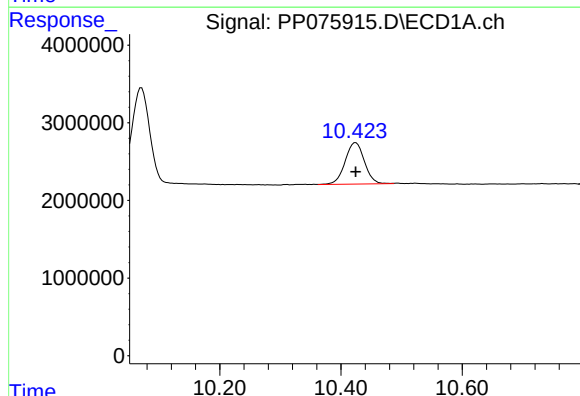
R.T.: 4.646 min
Delta R.T.: 0.000 min
Response: 8297245
Conc: 5.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



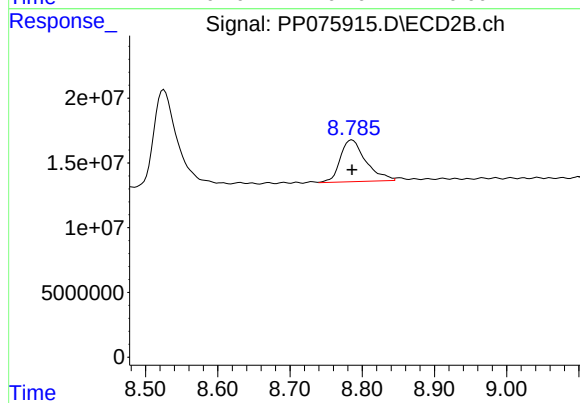
#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: 0.000 min
Response: 34278784
Conc: 4.69 ng/ml



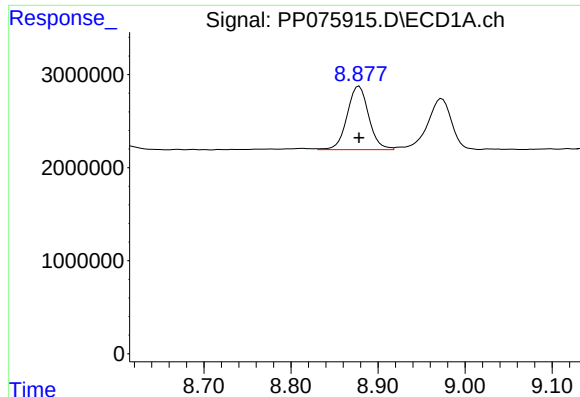
#2 Decachlorobiphenyl

R.T.: 10.424 min
Delta R.T.: 0.000 min
Response: 11780168
Conc: 5.45 ng/ml



#2 Decachlorobiphenyl

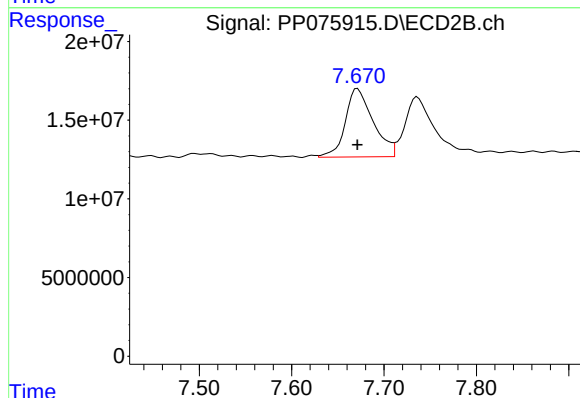
R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 79254993
Conc: 4.81 ng/ml



#41 AR-1268-1

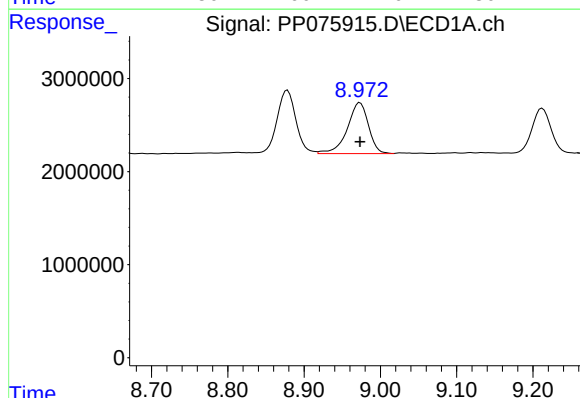
R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 11762673
Conc: 56.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



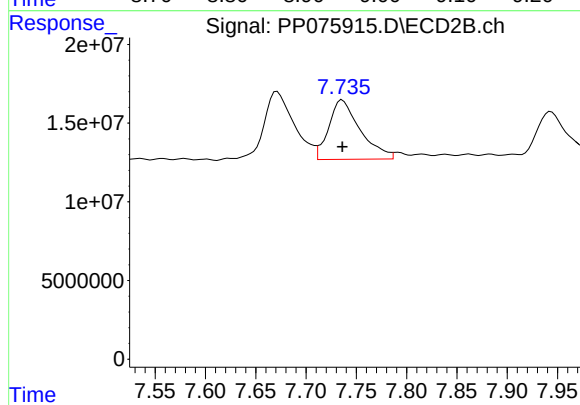
#41 AR-1268-1

R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 90866583
Conc: 50.18 ng/ml



#42 AR-1268-2

R.T.: 8.973 min
Delta R.T.: 0.000 min
Response: 10571240
Conc: 56.15 ng/ml

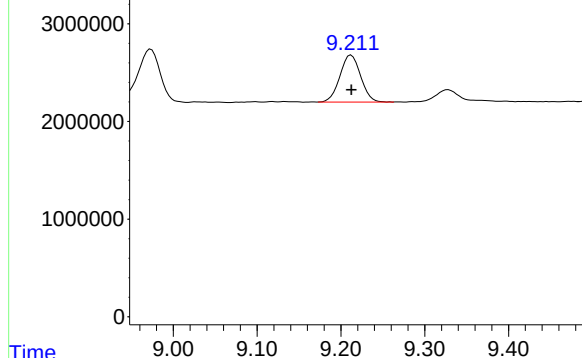


#42 AR-1268-2

R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 82258397
Conc: 47.41 ng/ml

Response_ Signal: PP075915.D\ECD1A.ch

#43 AR-1268-3

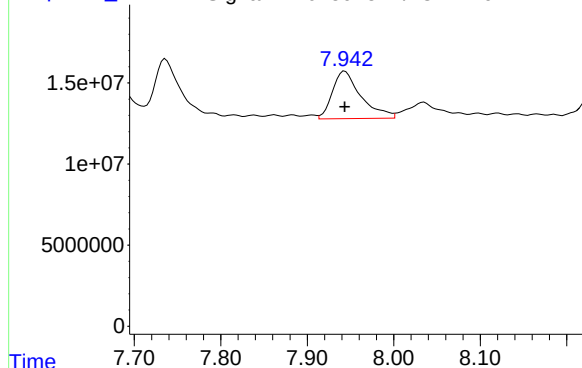


R.T.: 9.212 min
Delta R.T.: 0.000 min
Response: 8270442
Conc: 53.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Time Response_ Signal: PP075915.D\ECD2B.ch

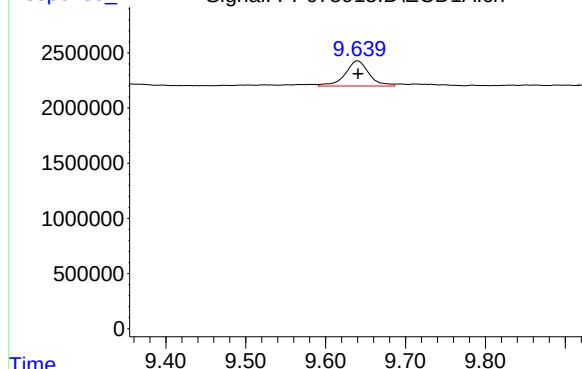
#43 AR-1268-3



R.T.: 7.944 min
Delta R.T.: 0.000 min
Response: 67275006
Conc: 49.21 ng/ml

Time Response_ Signal: PP075915.D\ECD1A.ch

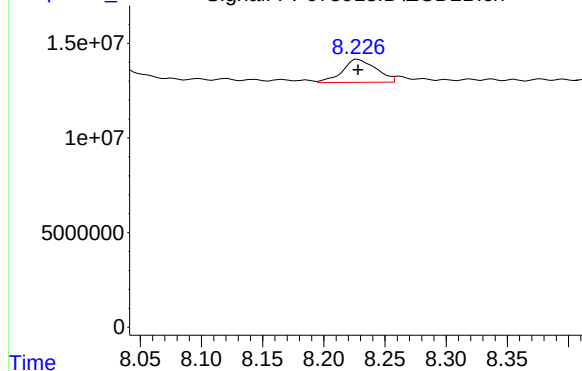
#44 AR-1268-4



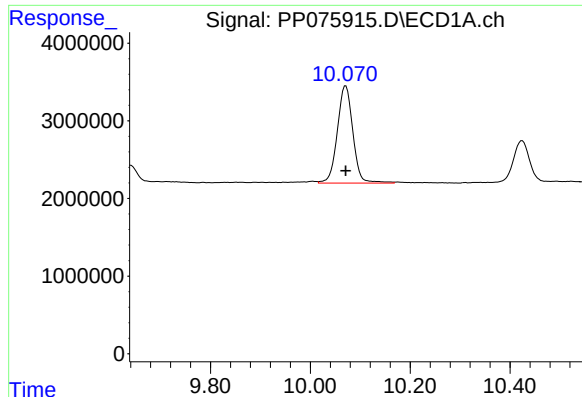
R.T.: 9.641 min
Delta R.T.: 0.000 min
Response: 4718687
Conc: 60.00 ng/ml

Time Response_ Signal: PP075915.D\ECD2B.ch

#44 AR-1268-4



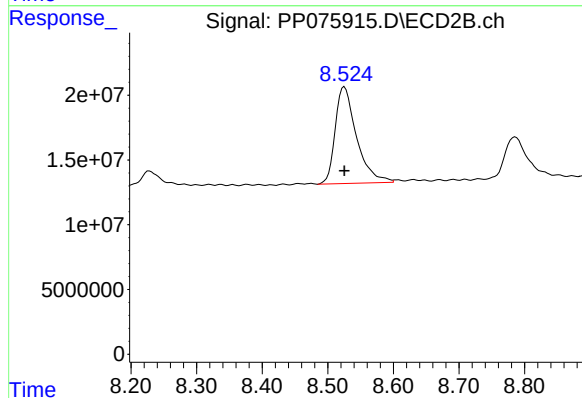
R.T.: 8.228 min
Delta R.T.: 0.000 min
Response: 23283603
Conc: 45.00 ng/ml



#45 AR-1268-5

R.T.: 10.071 min
Delta R.T.: 0.000 min
Response: 27065230
Conc: 56.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050



#45 AR-1268-5

R.T.: 8.525 min
Delta R.T.: 0.000 min
Response: 169066563
Conc: 44.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 17:34
Operator : YP\AJ
Sample : PP102125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP102125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:26:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.784	73895870	340.9E6	51.708	51.507
2) SA Decachlor...	10.423	8.784	58947888	432.2E6	54.757	52.559
Target Compounds						
3) L1 AR-1016-1	5.799	4.879	30579076	390.9E6	517.184	528.086
4) L1 AR-1016-2	5.820	4.937	46283521	183.5E6	523.308	536.724
5) L1 AR-1016-3	5.883	5.057	29014100	102.8E6	524.184	500.470
6) L1 AR-1016-4	5.980	5.097	23843232	102.7E6	524.717	549.750
7) L1 AR-1016-5	6.273	5.312	22384300	107.6E6	515.702	472.171
31) L7 AR-1260-1	7.391	6.340	38313477	286.2E6	557.233	522.496
32) L7 AR-1260-2	7.644	6.526	47189702	452.3E6	526.804	555.781
33) L7 AR-1260-3	8.002	6.680	37186118	328.9E6	536.700	584.366
34) L7 AR-1260-4	8.230	7.149	40498377	308.8E6	590.602	594.624
35) L7 AR-1260-5	8.556	7.389	79566551	796.8E6	537.788	587.781

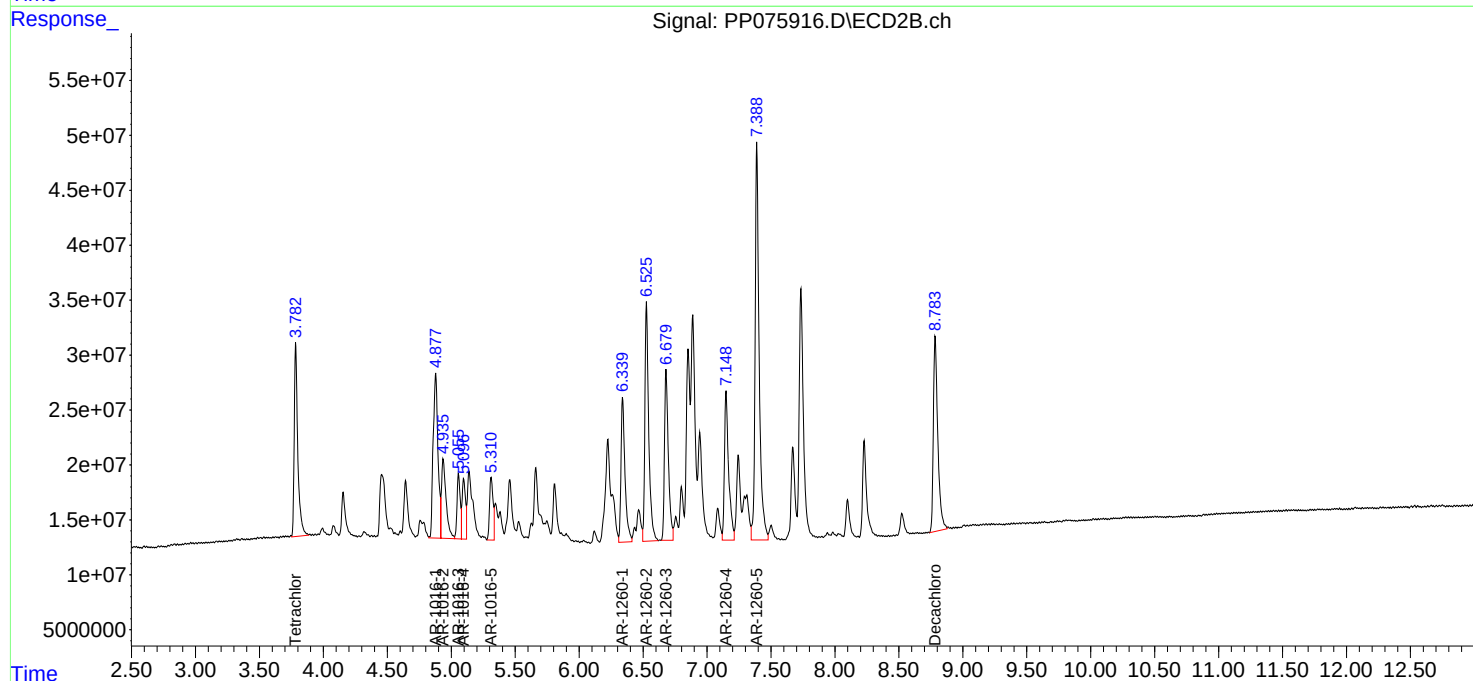
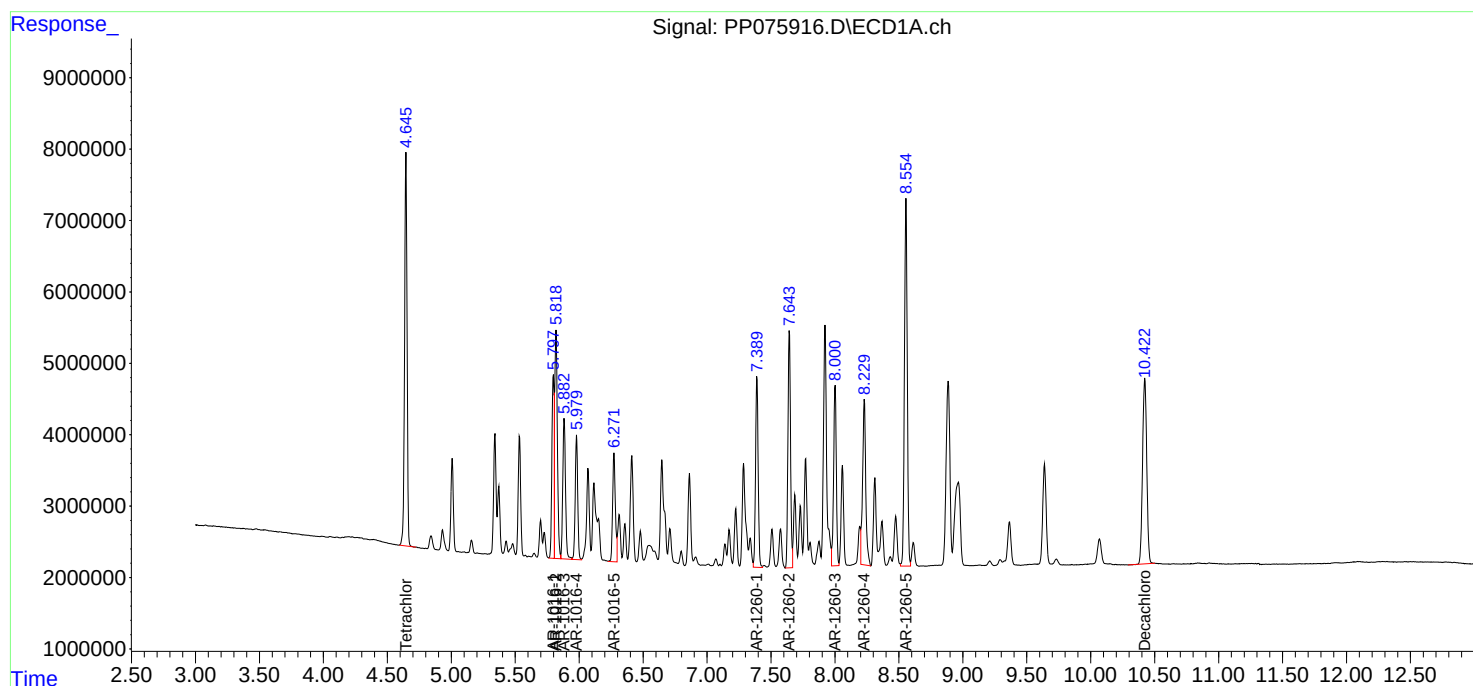
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

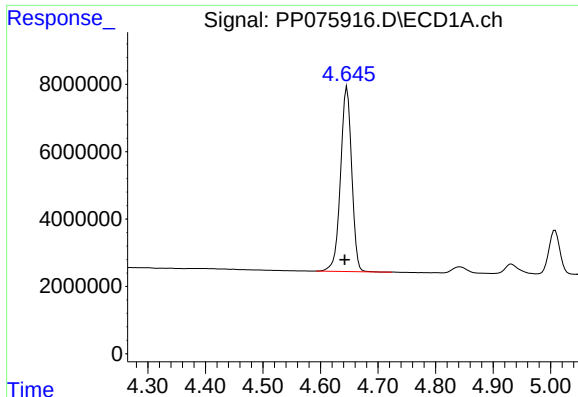
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 17:34
Operator : YP\AJ
Sample : PP102125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP102125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:26:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

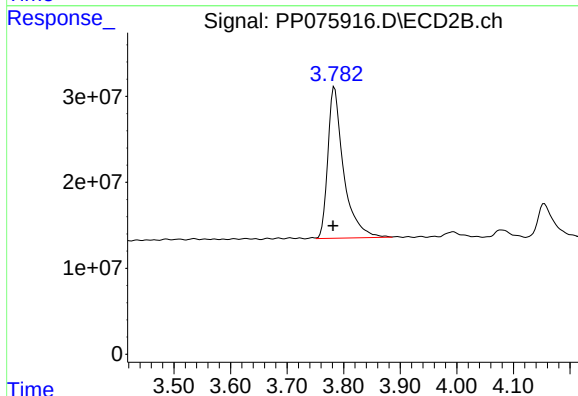




#1 Tetrachloro-m-xylene

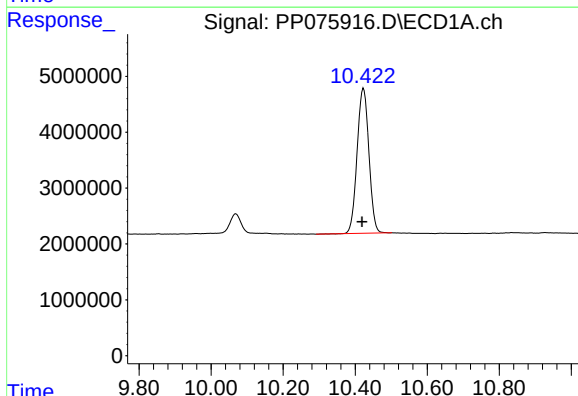
R.T.: 4.646 min
Delta R.T.: 0.004 min
Response: 73895870
Conc: 51.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125



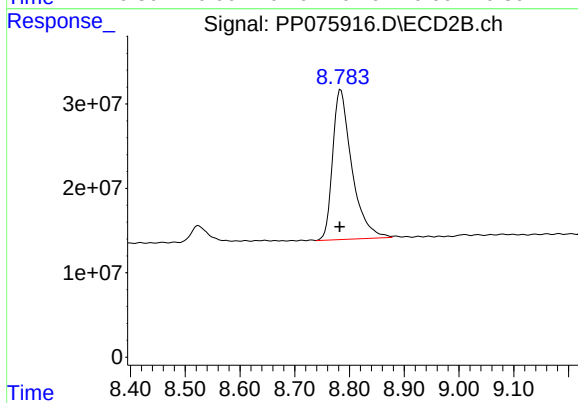
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.003 min
Response: 340889303
Conc: 51.51 ng/ml



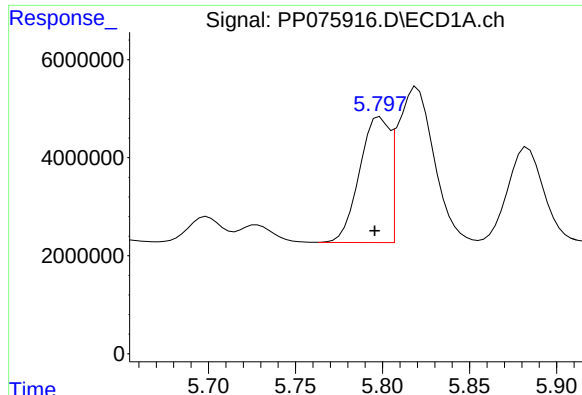
#2 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: 0.004 min
Response: 58947888
Conc: 54.76 ng/ml



#2 Decachlorobiphenyl

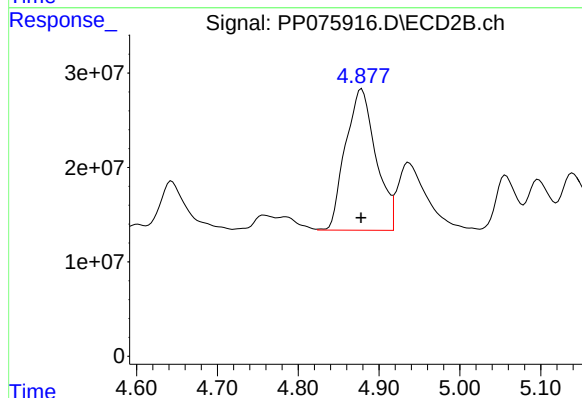
R.T.: 8.784 min
Delta R.T.: 0.002 min
Response: 432193063
Conc: 52.56 ng/ml



#3 AR-1016-1

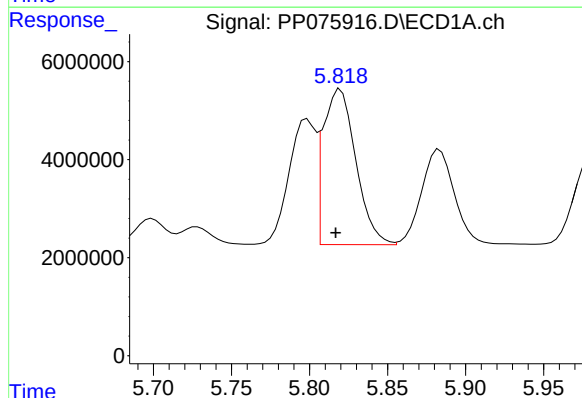
R.T.: 5.799 min
Delta R.T.: 0.003 min
Response: 30579076
Conc: 517.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125



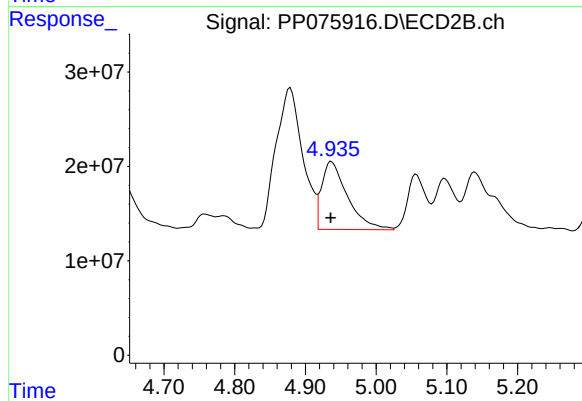
#3 AR-1016-1

R.T.: 4.879 min
Delta R.T.: 0.000 min
Response: 390874787
Conc: 528.09 ng/ml



#4 AR-1016-2

R.T.: 5.820 min
Delta R.T.: 0.003 min
Response: 46283521
Conc: 523.31 ng/ml



#4 AR-1016-2

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 183523265
Conc: 536.72 ng/ml

Response_ Signal: PP075916.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.883 min
Delta R.T.: 0.004 min
Response: 29014100
Conc: 524.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125

Time

Response_ Signal: PP075916.D\ECD2B.ch

#5 AR-1016-3

R.T.: 5.057 min
Delta R.T.: 0.002 min
Response: 102767686
Conc: 500.47 ng/ml

Time

Response_ Signal: PP075916.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.980 min
Delta R.T.: 0.003 min
Response: 23843232
Conc: 524.72 ng/ml

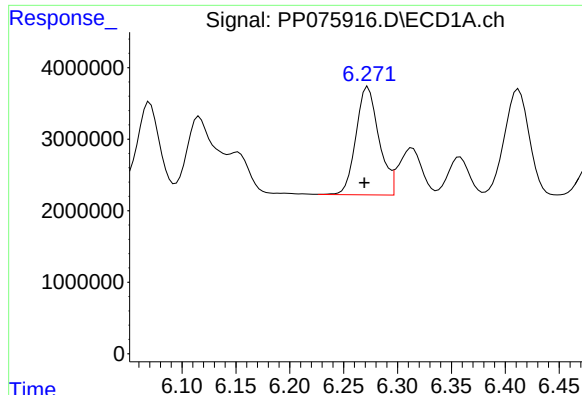
Time

Response_ Signal: PP075916.D\ECD2B.ch

#6 AR-1016-4

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 102740344
Conc: 549.75 ng/ml

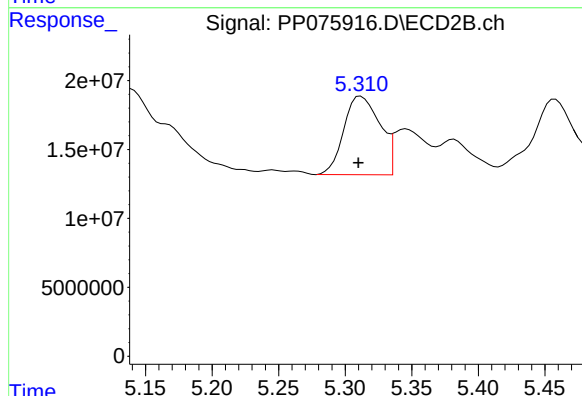
Time



#7 AR-1016-5

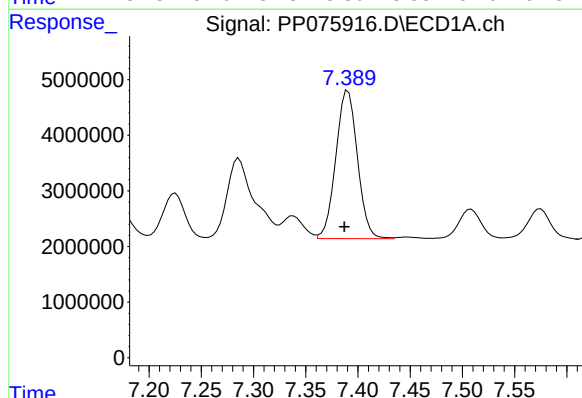
R.T.: 6.273 min
Delta R.T.: 0.003 min
Response: 22384300
Conc: 515.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125



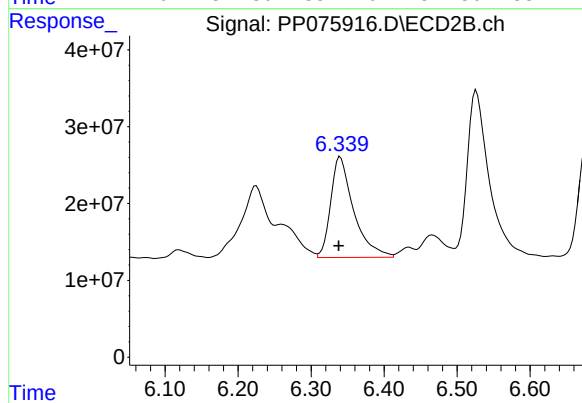
#7 AR-1016-5

R.T.: 5.312 min
Delta R.T.: 0.002 min
Response: 107646913
Conc: 472.17 ng/ml



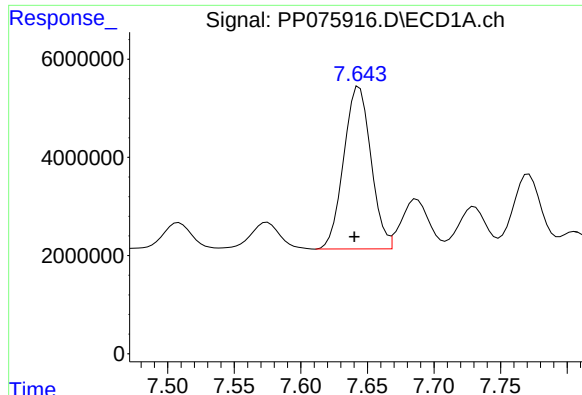
#31 AR-1260-1

R.T.: 7.391 min
Delta R.T.: 0.003 min
Response: 38313477
Conc: 557.23 ng/ml



#31 AR-1260-1

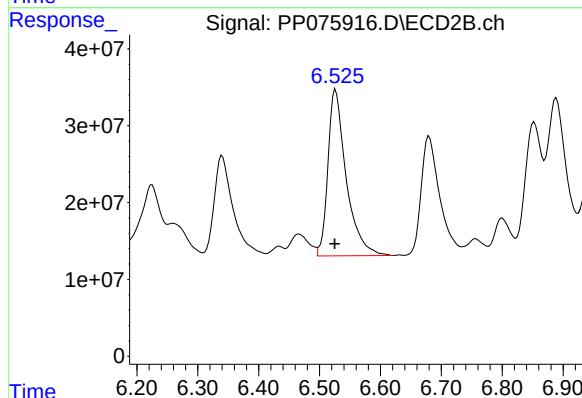
R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 286168367
Conc: 522.50 ng/ml



#32 AR-1260-2

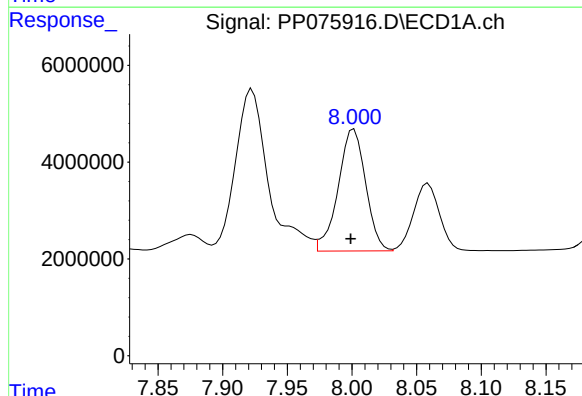
R.T.: 7.644 min
Delta R.T.: 0.004 min
Response: 47189702
Conc: 526.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125



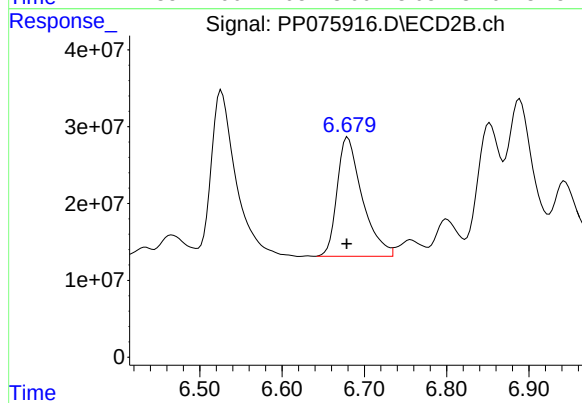
#32 AR-1260-2

R.T.: 6.526 min
Delta R.T.: 0.002 min
Response: 452257269
Conc: 555.78 ng/ml



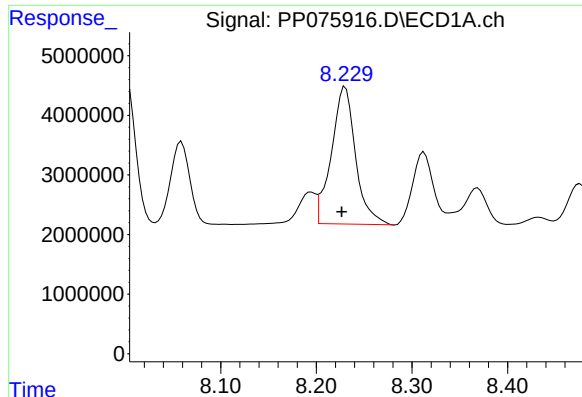
#33 AR-1260-3

R.T.: 8.002 min
Delta R.T.: 0.002 min
Response: 37186118
Conc: 536.70 ng/ml



#33 AR-1260-3

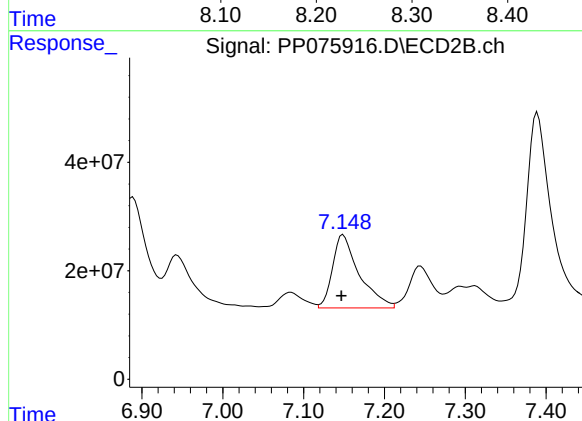
R.T.: 6.680 min
Delta R.T.: 0.001 min
Response: 328856179
Conc: 584.37 ng/ml



#34 AR-1260-4

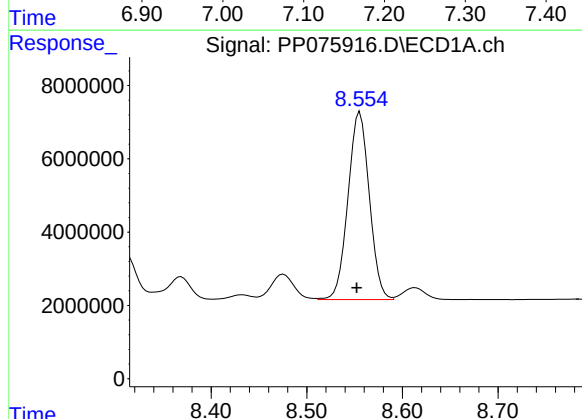
R.T.: 8.230 min
Delta R.T.: 0.004 min
Response: 40498377
Conc: 590.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125



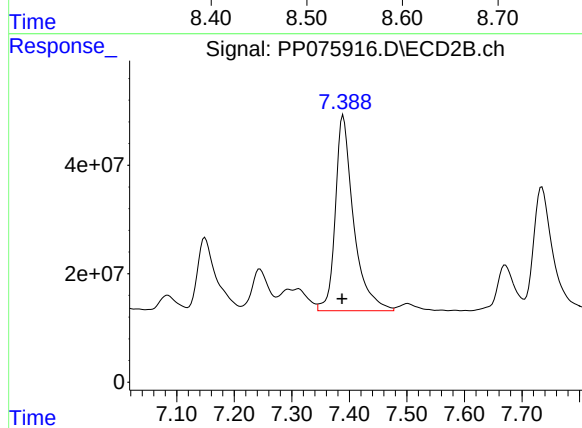
#34 AR-1260-4

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 308806751
Conc: 594.62 ng/ml



#35 AR-1260-5

R.T.: 8.556 min
Delta R.T.: 0.004 min
Response: 79566551
Conc: 537.79 ng/ml



#35 AR-1260-5

R.T.: 7.389 min
Delta R.T.: 0.002 min
Response: 796768819
Conc: 587.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075917.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 18:06
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP102125AR1242

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/24/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 08:16:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 18:24:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.784	79486082	365.2E6	55.620	55.173
2) SA Decachlor...	10.423	8.785	64567530	484.9E6	59.978m	58.969
Target Compounds						
16) L4 AR-1242-1	5.799	4.879	24532478	301.7E6	512.088	524.891
17) L4 AR-1242-2	5.820	4.937	37086619	138.8E6	523.883	499.981
18) L4 AR-1242-3	5.883	5.057	22990427	78773054	503.714	500.427
19) L4 AR-1242-4	5.980	5.139	18909181	99357590	520.064	536.743m
20) L4 AR-1242-5	6.710	5.660	21676788	123.9E6	529.426	538.030

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 18:06
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

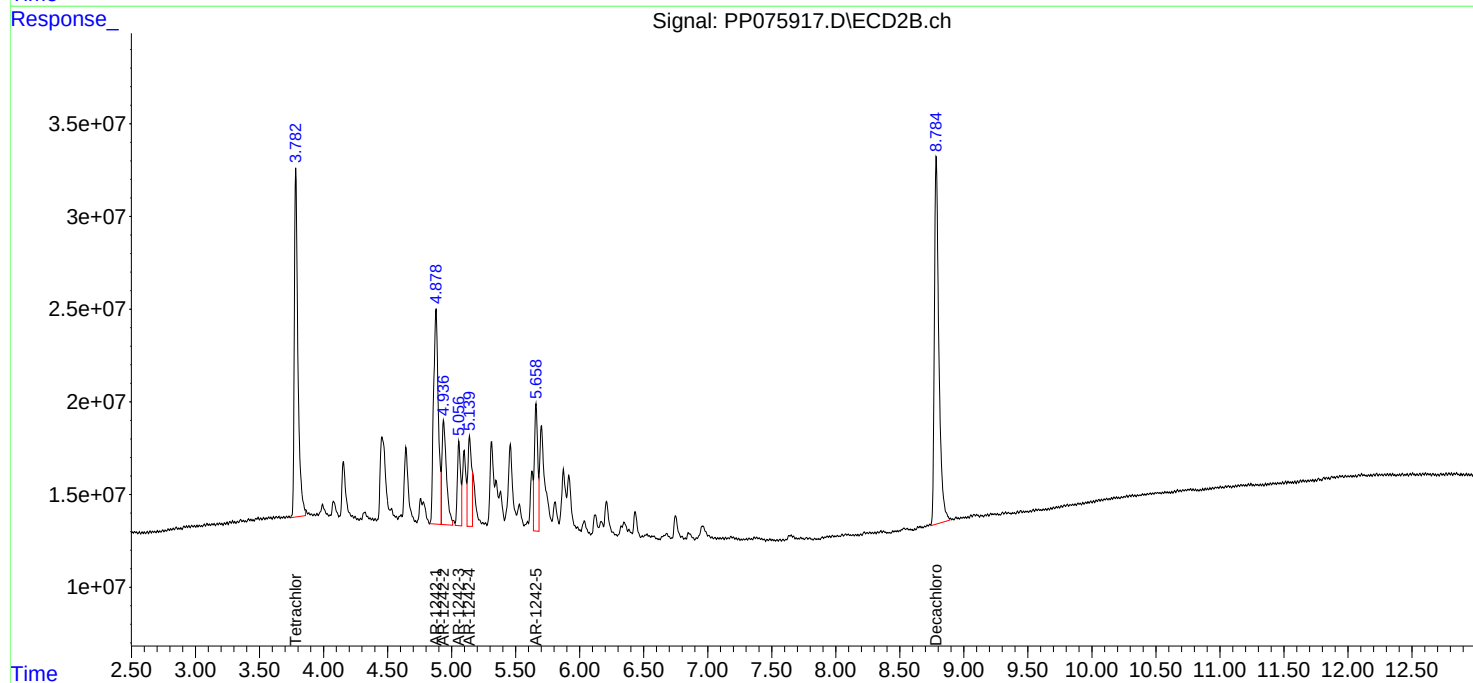
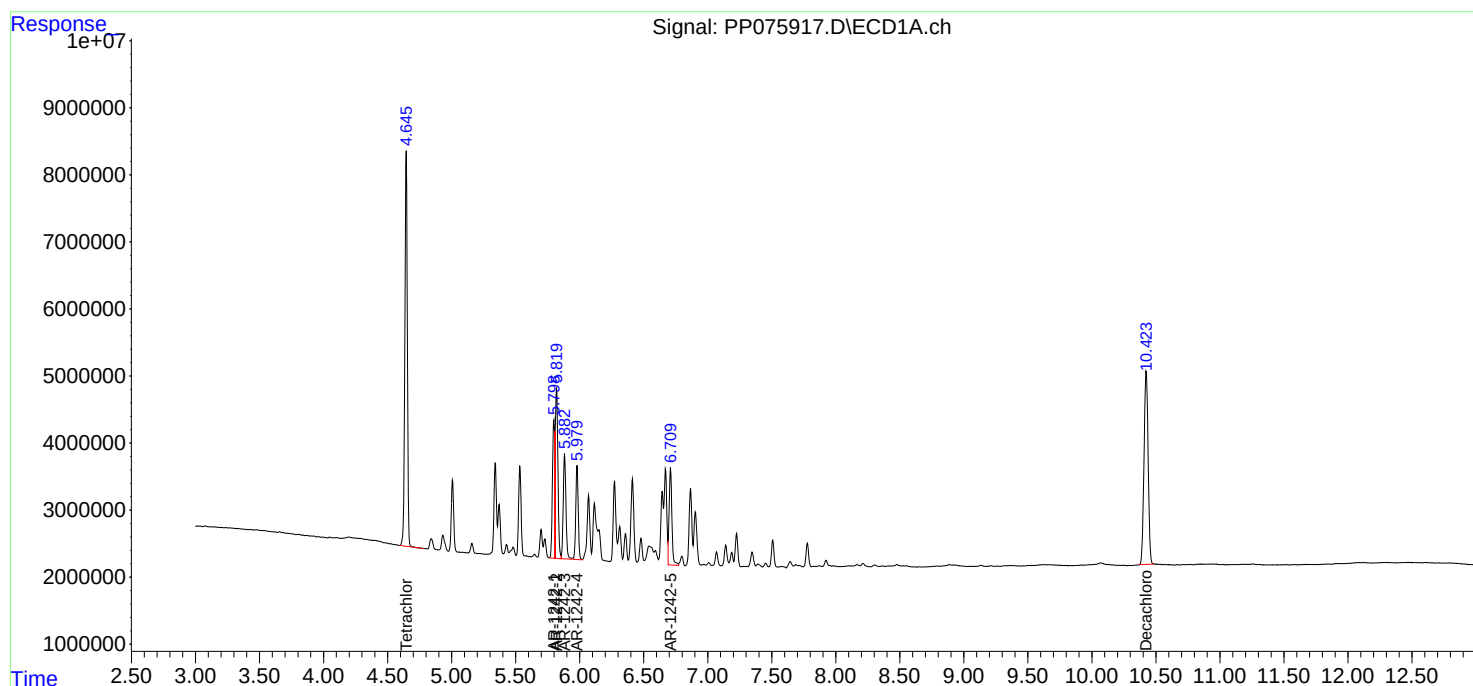
Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1242

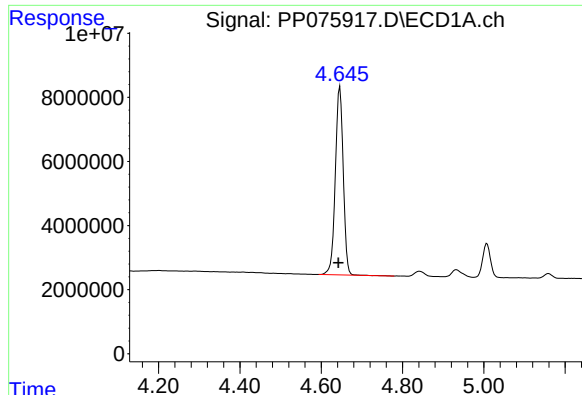
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 08:16:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





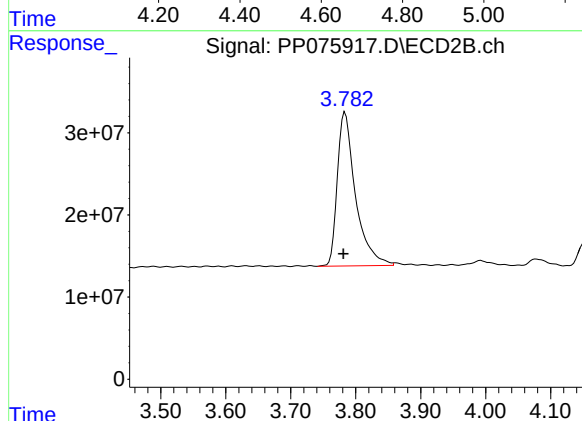
#1 Tetrachloro-m-xylene

R.T.: 4.646 min
Delta R.T.: 0.004 min
Response: 79486082
Conc: 55.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1242

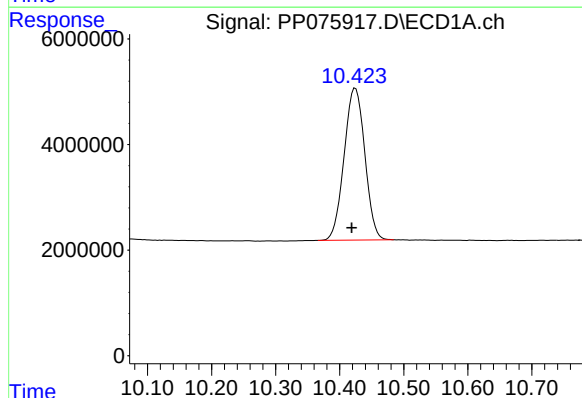
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



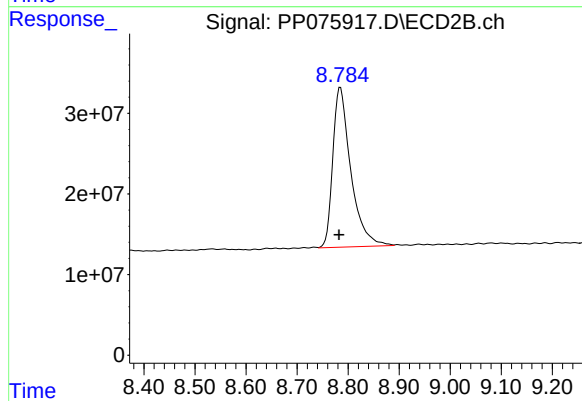
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.003 min
Response: 365150597
Conc: 55.17 ng/ml



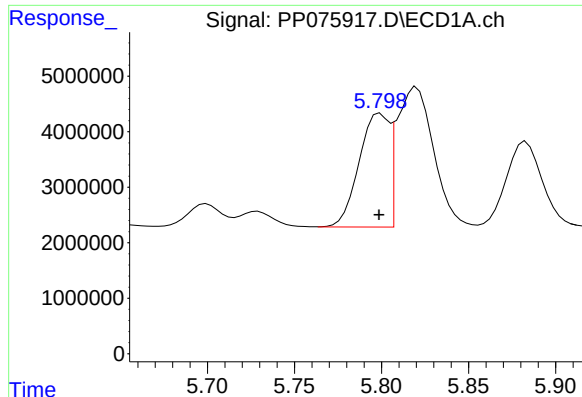
#2 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: 0.004 min
Response: 64567530
Conc: 59.98 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.003 min
Response: 484904598
Conc: 58.97 ng/ml



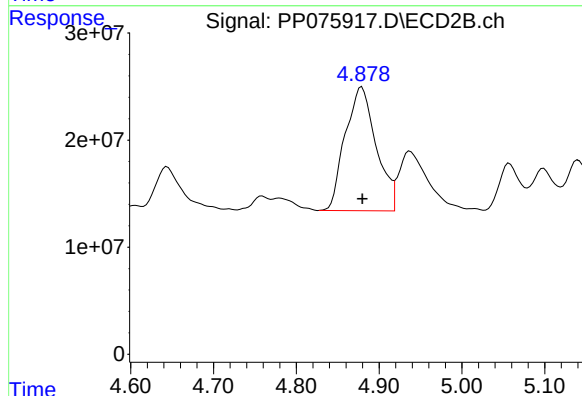
#16 AR-1242-1

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 24532478
Conc: 512.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1242

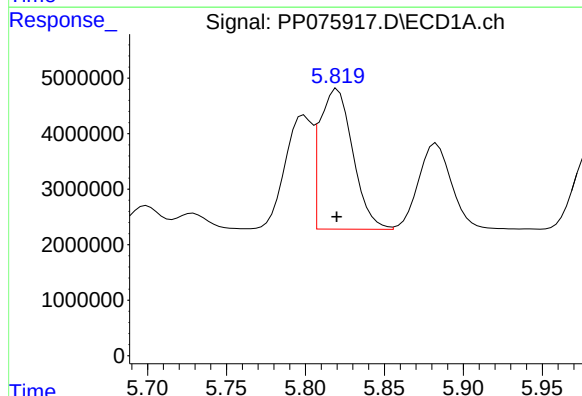
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



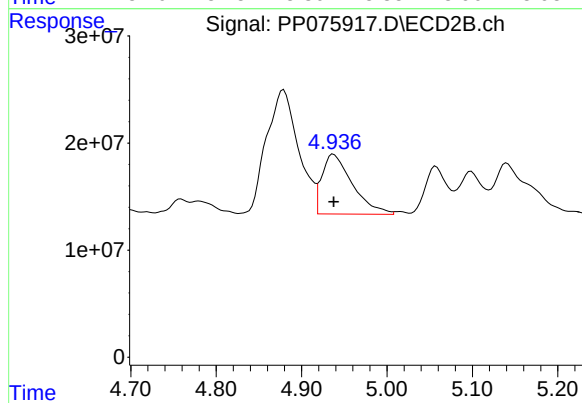
#16 AR-1242-1

R.T.: 4.879 min
Delta R.T.: 0.000 min
Response: 301682488
Conc: 524.89 ng/ml



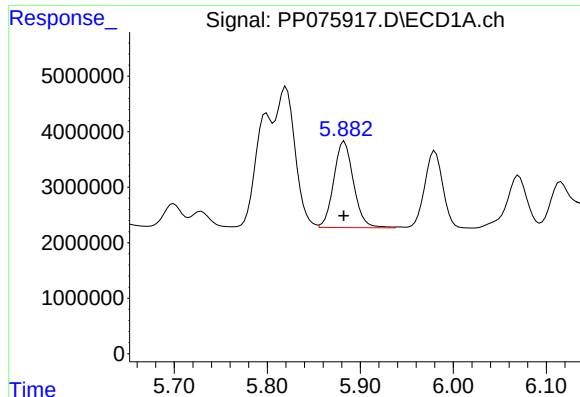
#17 AR-1242-2

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 37086619
Conc: 523.88 ng/ml



#17 AR-1242-2

R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 138750292
Conc: 499.98 ng/ml



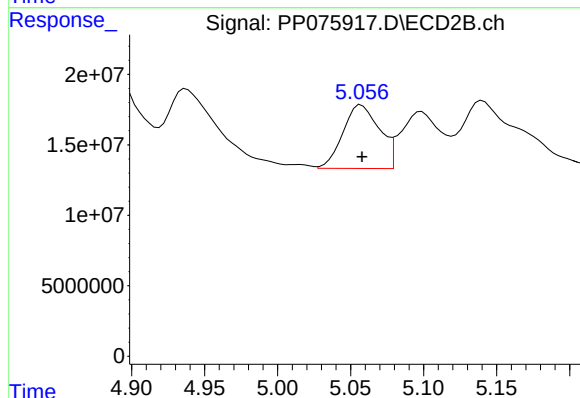
#18 AR-1242-3

R.T.: 5.883 min
Delta R.T.: 0.000 min
Response: 22990427
Conc: 503.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1242

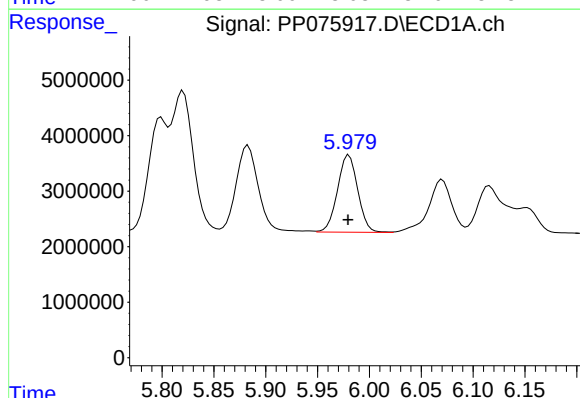
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



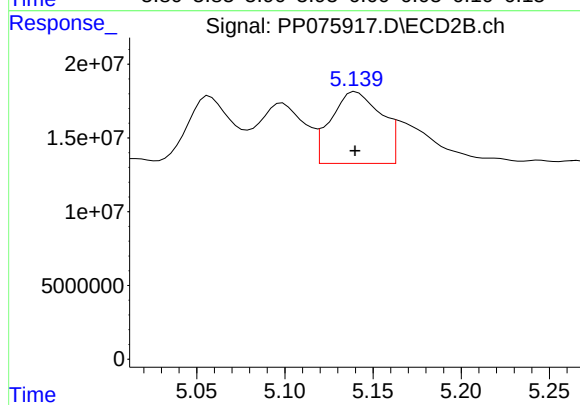
#18 AR-1242-3

R.T.: 5.057 min
Delta R.T.: 0.000 min
Response: 78773054
Conc: 500.43 ng/ml



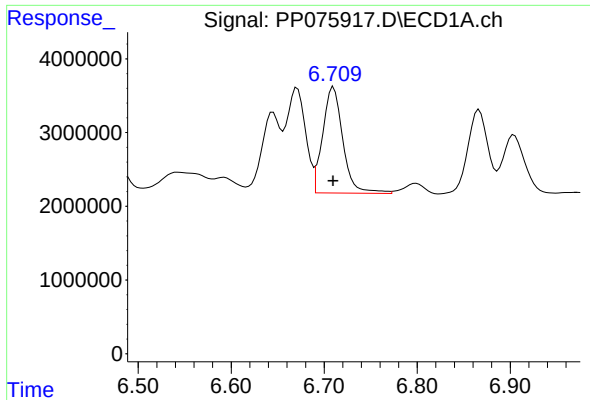
#19 AR-1242-4

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 18909181
Conc: 520.06 ng/ml



#19 AR-1242-4

R.T.: 5.139 min
Delta R.T.: 0.000 min
Response: 99357590
Conc: 536.74 ng/ml m



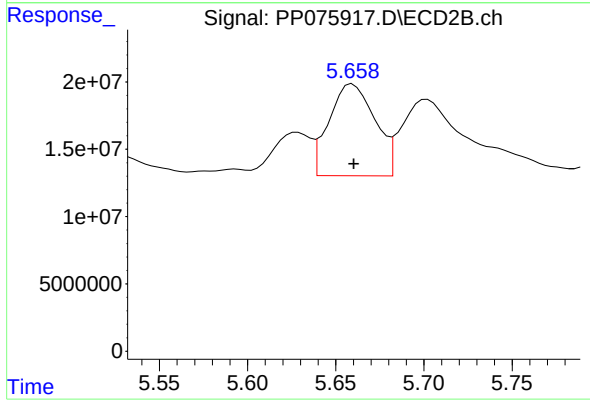
#20 AR-1242-5

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 21676788
Conc: 529.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1242

Manual Integrations
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Supervised By :mohammad ahmed 10/25/2025



#20 AR-1242-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 123874613
Conc: 538.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075918.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 18:39
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP102125AR1248

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/24/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 08:17:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 18:24:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.647	3.784	77354608	375.4E6	54.128	56.717
2) SA Decachlor...	10.425	8.785	62090346	474.3E6	57.677	57.676
Target Compounds						
21) L5 AR-1248-1	5.799	4.878	18454423	193.8E6	514.472	515.973
22) L5 AR-1248-2	6.070	5.099	24718037	124.2E6	507.095	505.124
23) L5 AR-1248-3	6.273	5.138	27349933	132.7E6	504.009	462.616m
24) L5 AR-1248-4	6.671	5.312	33802442	144.9E6	509.348	512.423
25) L5 AR-1248-5	6.711	5.701	33065578	279.8E6	509.794	538.456

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 18:39
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

ICVPP102125AR1248

Manual Integrations

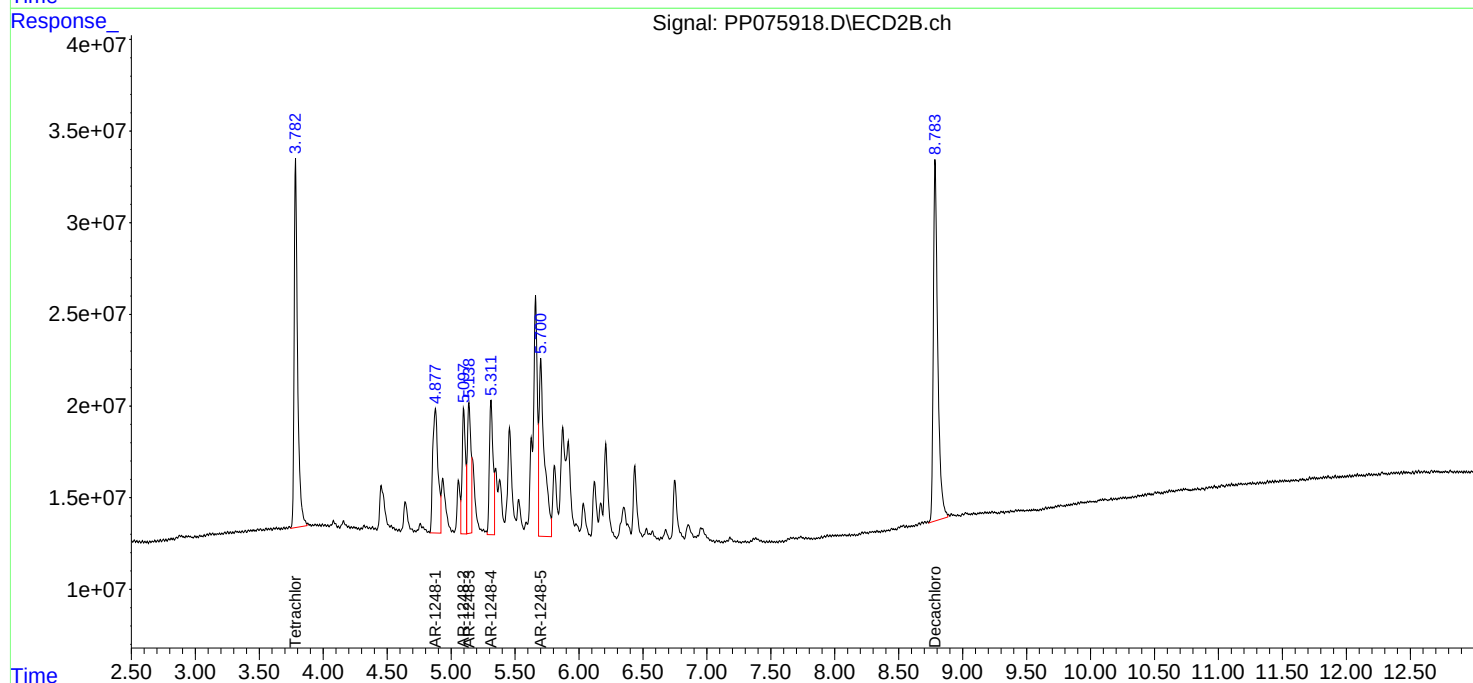
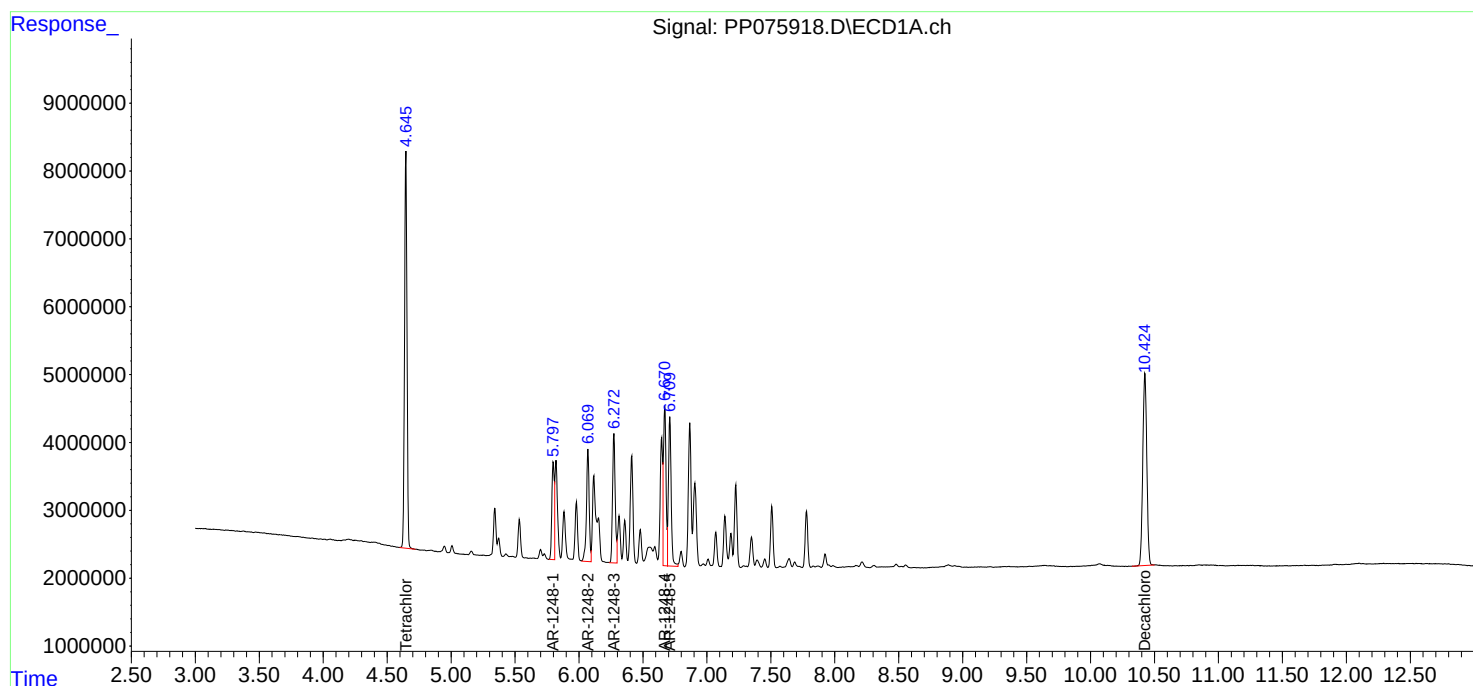
APPROVED

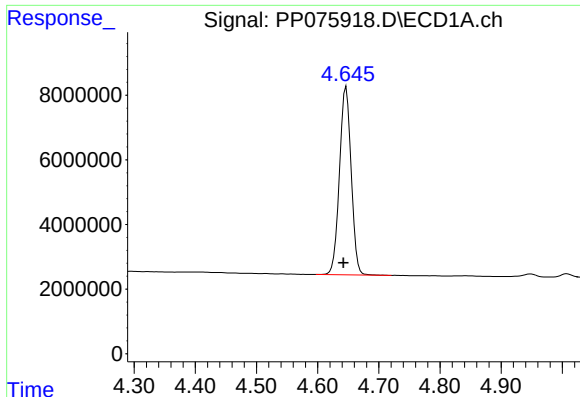
Reviewed By :Yogesh Patel 10/24/2025

Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 08:17:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 4.647 min
Delta R.T.: 0.005 min
Response: 77354608
Conc: 54.13 ng/ml

Instrument :

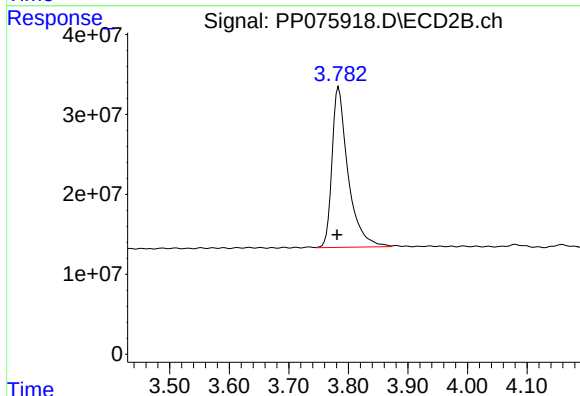
ECD_P

ClientSampleId :

ICVPP102125AR1248

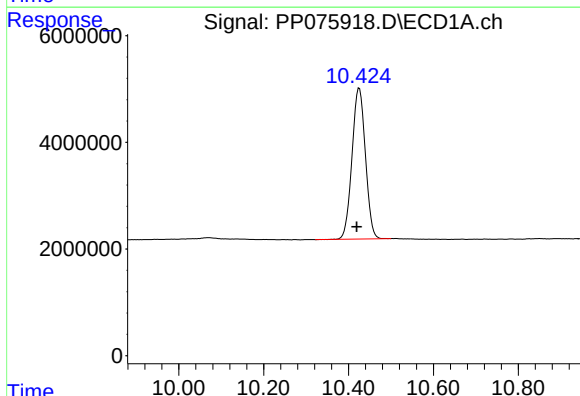
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



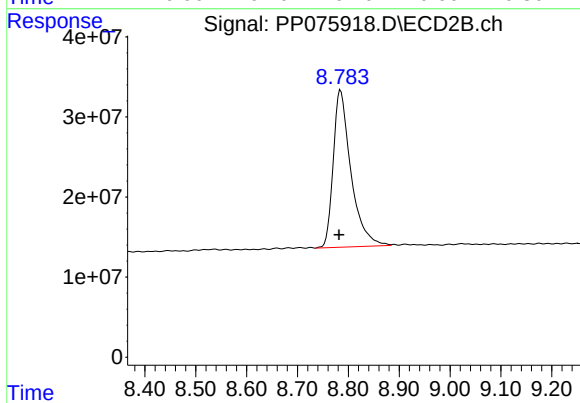
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.003 min
Response: 375366423
Conc: 56.72 ng/ml



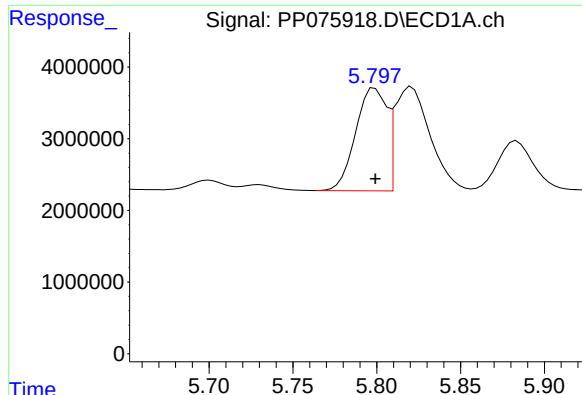
#2 Decachlorobiphenyl

R.T.: 10.425 min
Delta R.T.: 0.006 min
Response: 62090346
Conc: 57.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.003 min
Response: 474267574
Conc: 57.68 ng/ml



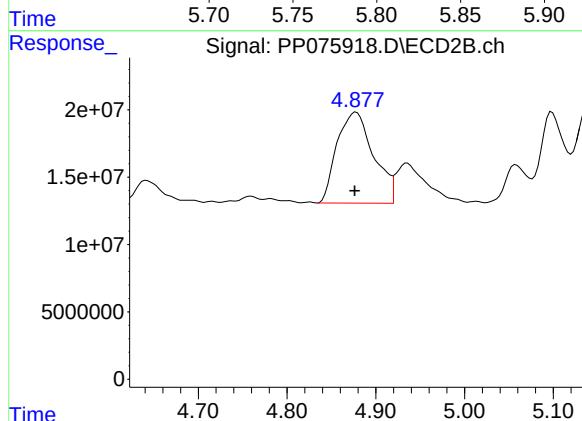
#21 AR-1248-1

R.T.: 5.799 min
Delta R.T.: 0.000 min
Response: 18454423
Conc: 514.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1248

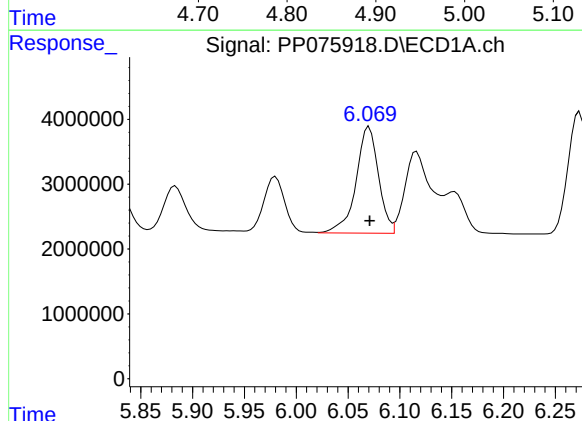
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



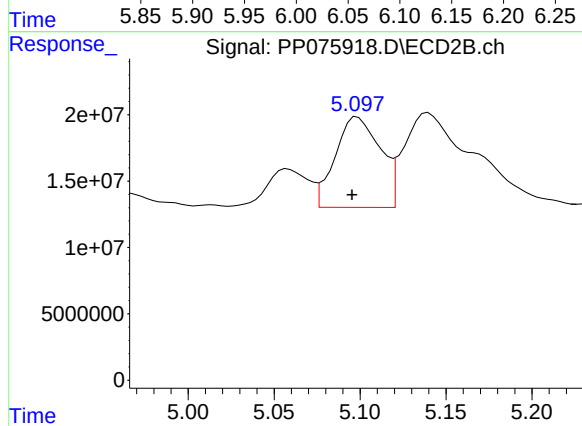
#21 AR-1248-1

R.T.: 4.878 min
Delta R.T.: 0.002 min
Response: 193808136
Conc: 515.97 ng/ml



#22 AR-1248-2

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 24718037
Conc: 507.09 ng/ml

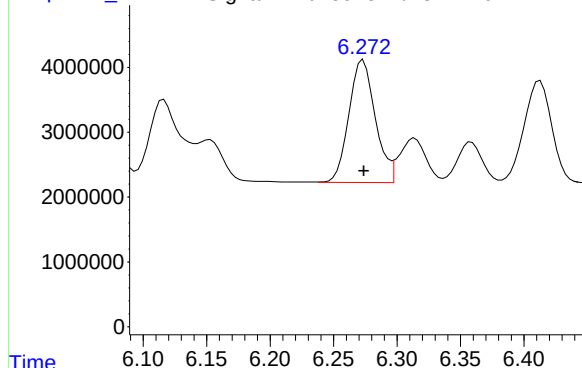


#22 AR-1248-2

R.T.: 5.099 min
Delta R.T.: 0.003 min
Response: 124214072
Conc: 505.12 ng/ml

Response_ Signal: PP075918.D\ECD1A.ch

#23 AR-1248-3



R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 27349933
Conc: 504.01 ng/ml

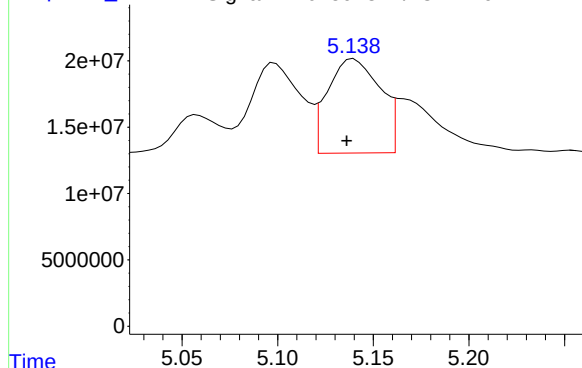
Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1248

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025

Time Response_ Signal: PP075918.D\ECD2B.ch

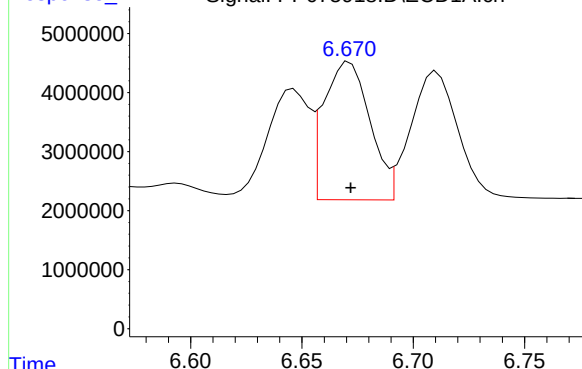
#23 AR-1248-3



R.T.: 5.138 min
Delta R.T.: 0.002 min
Response: 132721172
Conc: 462.62 ng/ml m

Time Response_ Signal: PP075918.D\ECD1A.ch

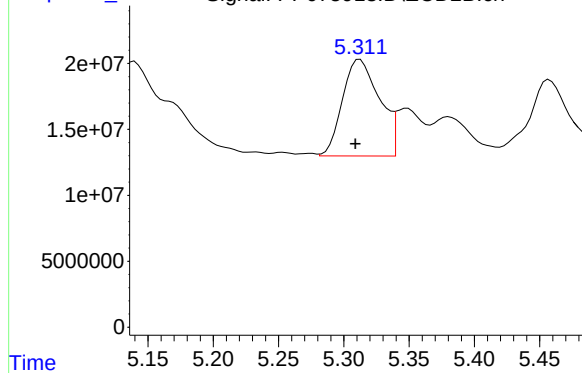
#24 AR-1248-4



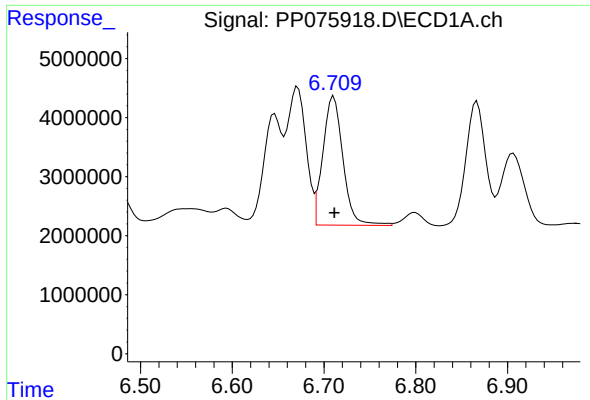
R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 33802442
Conc: 509.35 ng/ml

Time Response_ Signal: PP075918.D\ECD2B.ch

#24 AR-1248-4



R.T.: 5.312 min
Delta R.T.: 0.003 min
Response: 144867747
Conc: 512.42 ng/ml



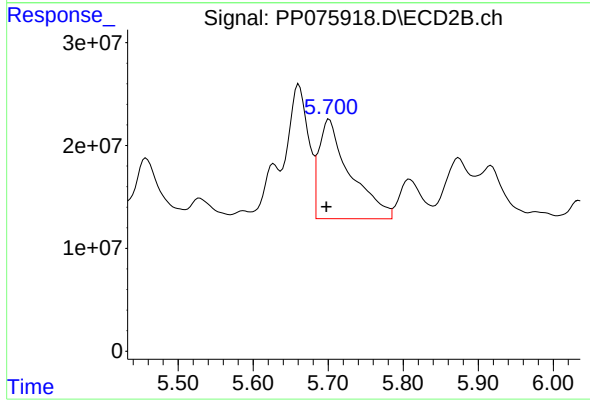
#25 AR-1248-5

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 33065578
Conc: 509.79 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1248

Manual Integrations
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Supervised By :mohammad ahmed 10/25/2025



#25 AR-1248-5

R.T.: 5.701 min
Delta R.T.: 0.004 min
Response: 279813450
Conc: 538.46 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
 Data File : PP075919.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 08:49
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP102125AR1254

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/24/2025
 Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 22 09:02:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 18:24:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.654	3.784	73513288	361.3E6	51.441	54.591
2) SA Decachlor...	10.439	8.789	61994754	468.2E6	57.588	56.937
Target Compounds						
26) L6 AR-1254-1	6.657	5.662	33305659	337.3E6	416.876	597.997m#
27) L6 AR-1254-2	6.873	5.811	45460472	248.5E6	454.676	468.721
28) L6 AR-1254-3	7.235	6.214	47667437	420.5E6	458.540	494.093
29) L6 AR-1254-4	7.517	6.439	37597676	337.3E6	449.659	535.605
30) L6 AR-1254-5	7.934	6.855	44185805	348.6E6	482.532	484.302

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 08:49
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

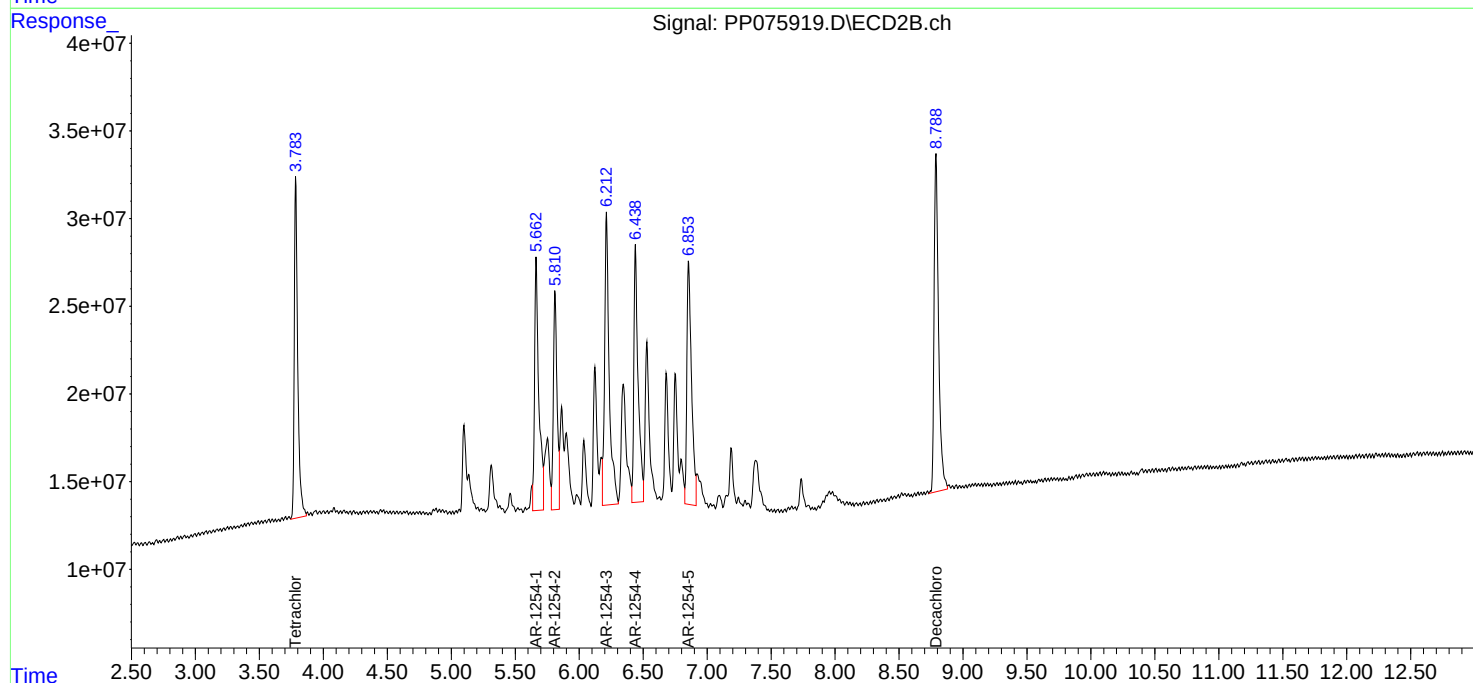
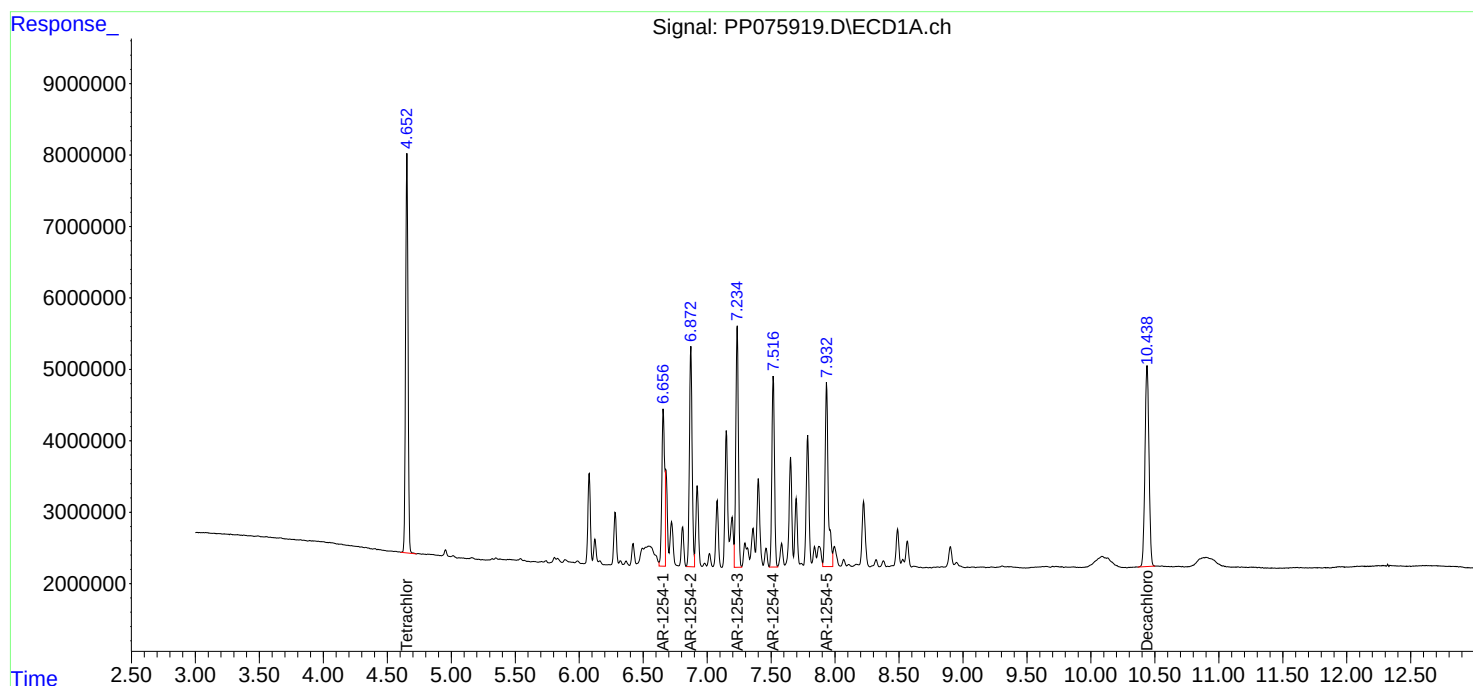
Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1254

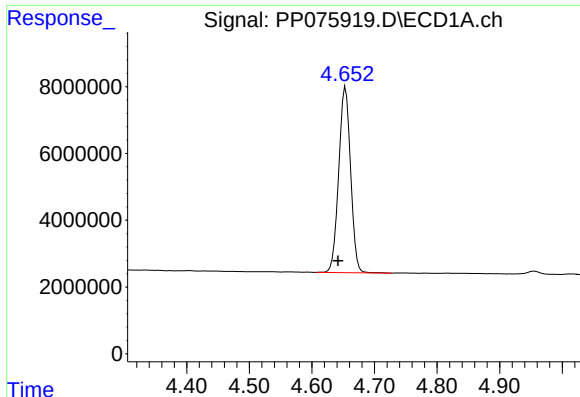
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 09:02:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 4.654 min
Delta R.T.: 0.012 min
Response: 73513288
Conc: 51.44 ng/ml

Instrument :

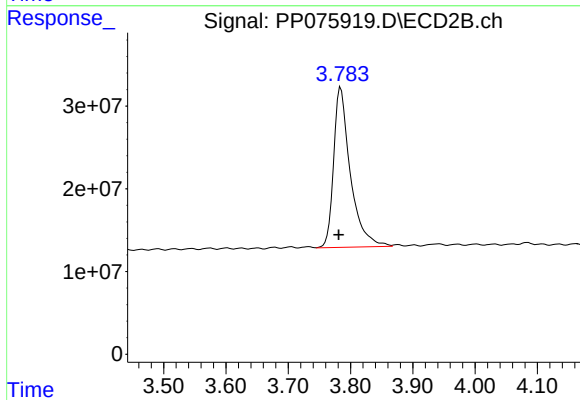
ECD_P

ClientSampleId :

ICVPP102125AR1254

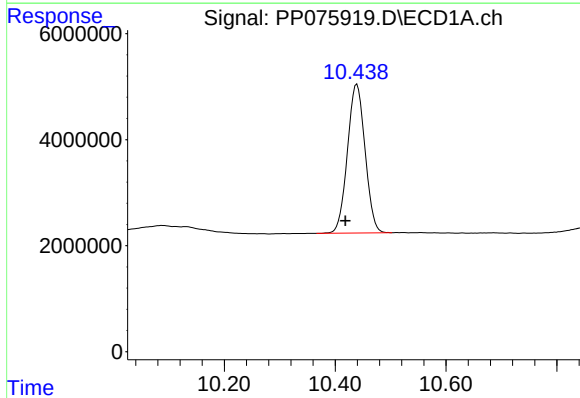
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



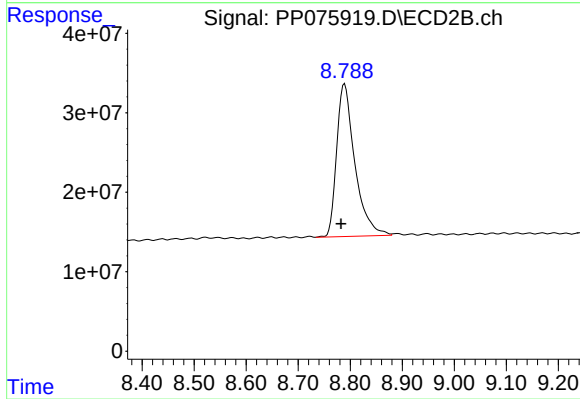
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.003 min
Response: 361298176
Conc: 54.59 ng/ml



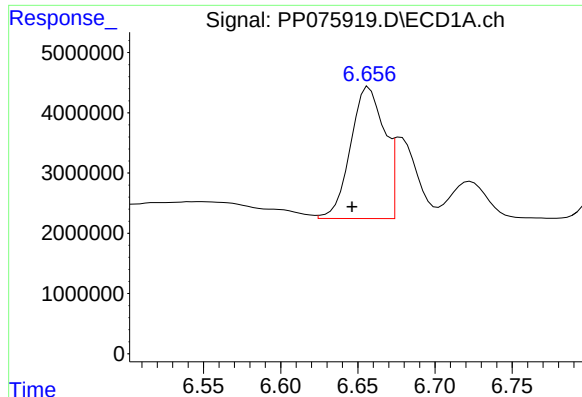
#2 Decachlorobiphenyl

R.T.: 10.439 min
Delta R.T.: 0.020 min
Response: 61994754
Conc: 57.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.789 min
Delta R.T.: 0.007 min
Response: 468189220
Conc: 56.94 ng/ml



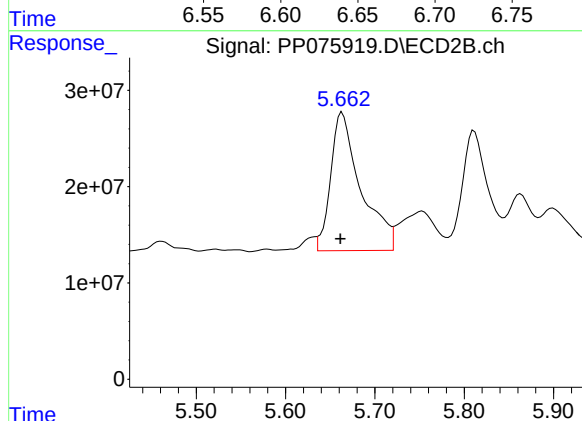
#26 AR-1254-1

R.T.: 6.657 min
Delta R.T.: 0.011 min
Response: 33305659
Conc: 416.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1254

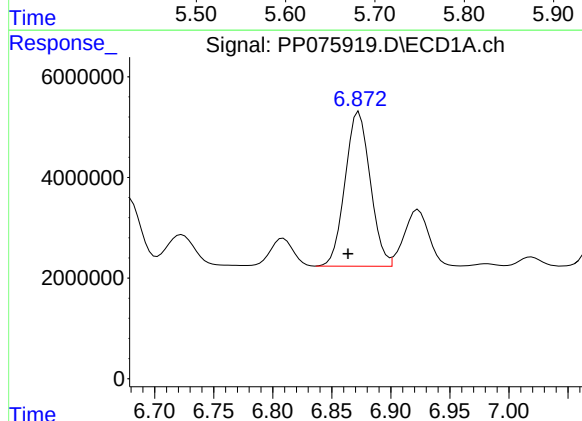
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



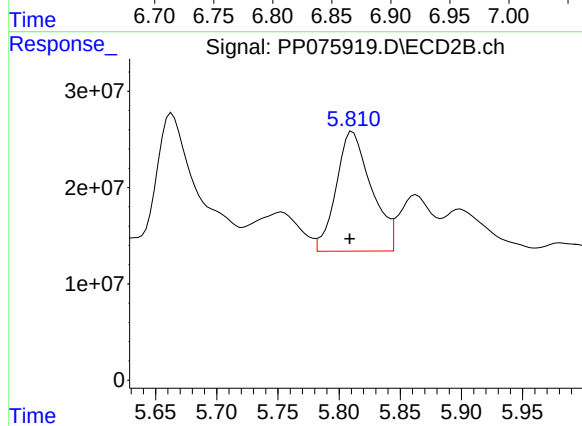
#26 AR-1254-1

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 337270442
Conc: 598.00 ng/ml m



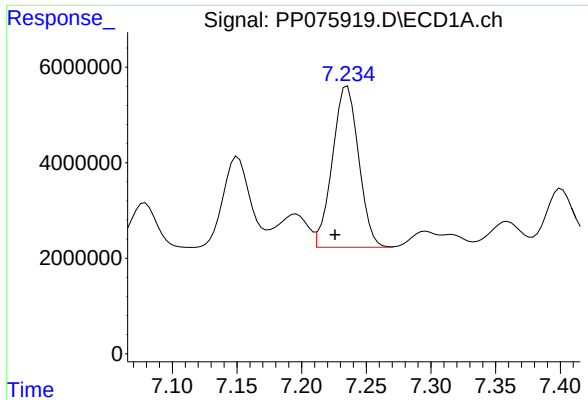
#27 AR-1254-2

R.T.: 6.873 min
Delta R.T.: 0.009 min
Response: 45460472
Conc: 454.68 ng/ml



#27 AR-1254-2

R.T.: 5.811 min
Delta R.T.: 0.003 min
Response: 248460060
Conc: 468.72 ng/ml



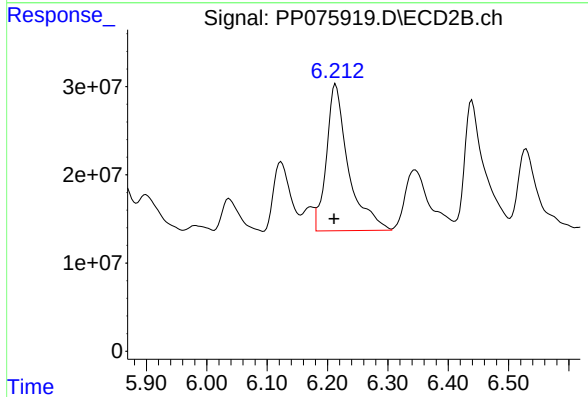
#28 AR-1254-3

R.T.: 7.235 min
Delta R.T.: 0.009 min
Response: 47667437
Conc: 458.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1254

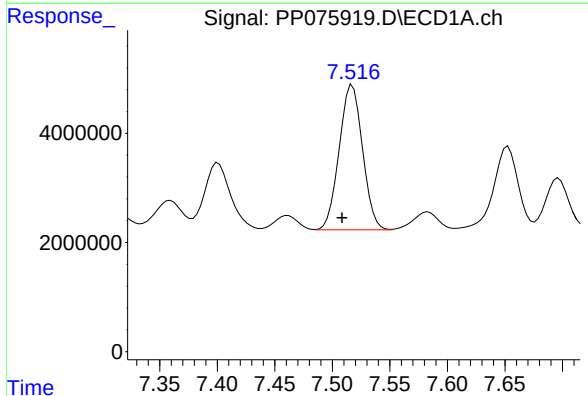
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



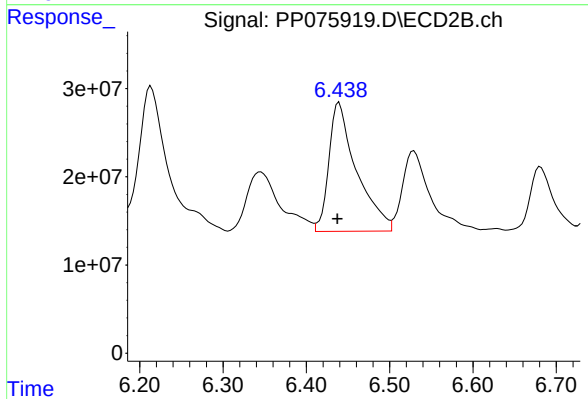
#28 AR-1254-3

R.T.: 6.214 min
Delta R.T.: 0.003 min
Response: 420518097
Conc: 494.09 ng/ml



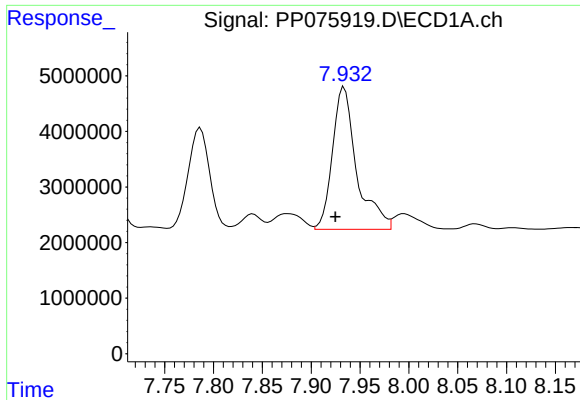
#29 AR-1254-4

R.T.: 7.517 min
Delta R.T.: 0.009 min
Response: 37597676
Conc: 449.66 ng/ml



#29 AR-1254-4

R.T.: 6.439 min
Delta R.T.: 0.002 min
Response: 337314232
Conc: 535.61 ng/ml



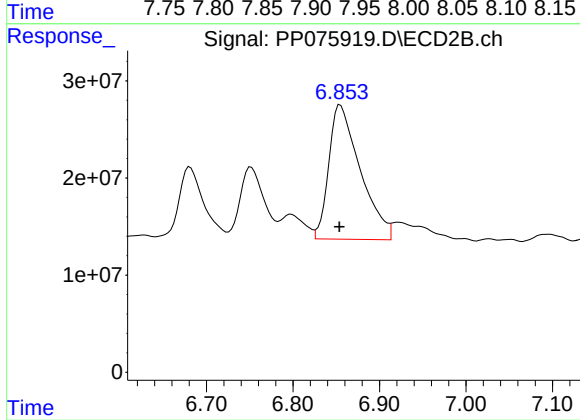
#30 AR-1254-5

R.T.: 7.934 min
Delta R.T.: 0.009 min
Response: 44185805
Conc: 482.53 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1254

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2025
Supervised By :mohammad ahmed 10/25/2025



#30 AR-1254-5

R.T.: 6.855 min
Delta R.T.: 0.001 min
Response: 348640193
Conc: 484.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 09:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 15:40:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:38:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.648	3.782	80645176	382.7E6	50.921	52.402
2) SA Decachlor...	10.430	8.784	112.8E6	913.8E6	52.199	55.404
Target Compounds						
41) L9 AR-1268-1	8.881	7.671	106.5E6	989.5E6	515.825	546.466
42) L9 AR-1268-2	8.976	7.736	98184801	960.8E6	521.533	553.714
43) L9 AR-1268-3	9.216	7.942	81566200	749.4E6	525.609	548.157
44) L9 AR-1268-4	9.645	8.228	39672536	280.8E6	504.438	542.576
45) L9 AR-1268-5	10.076	8.525	246.0E6	2111.9E6	512.030	559.930

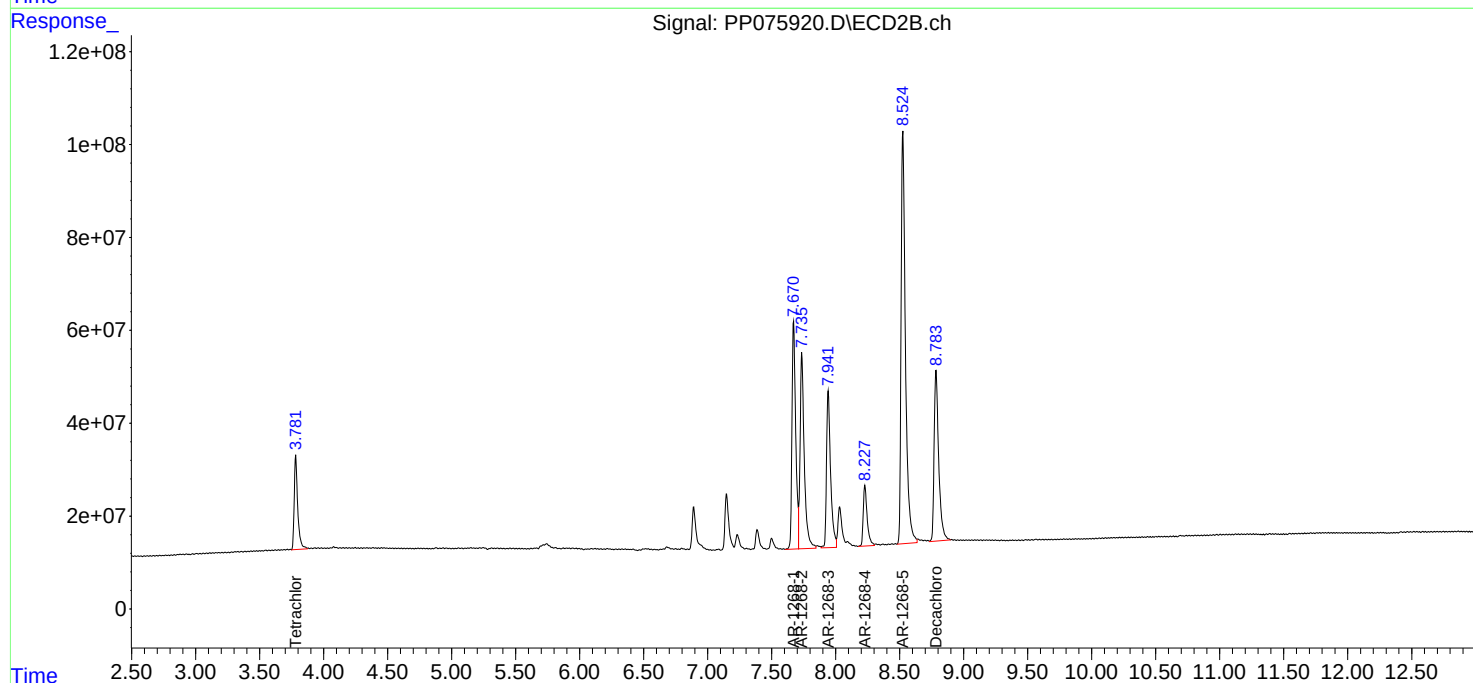
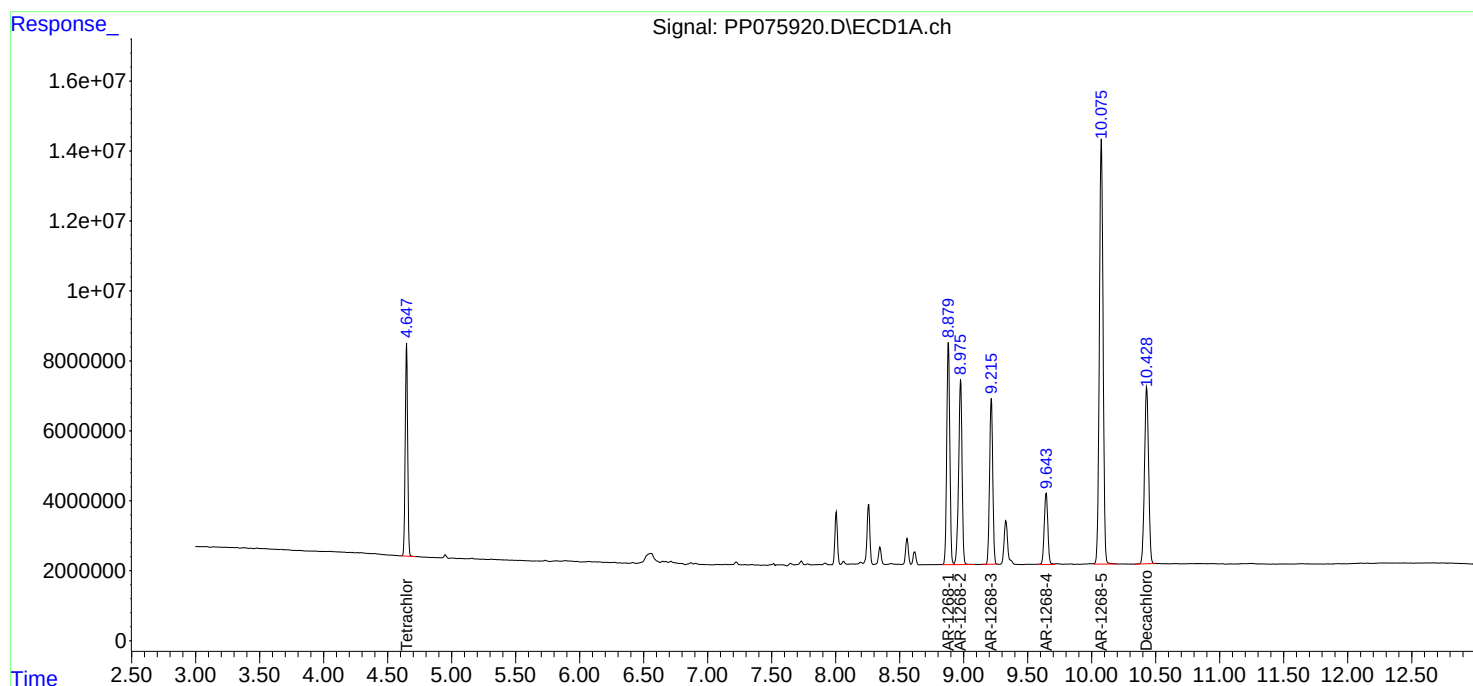
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

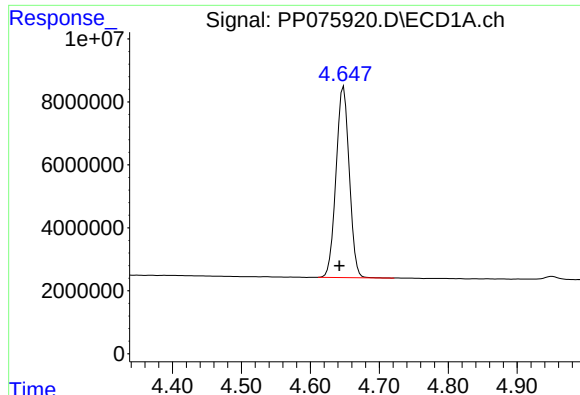
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 09:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 15:40:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:38:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

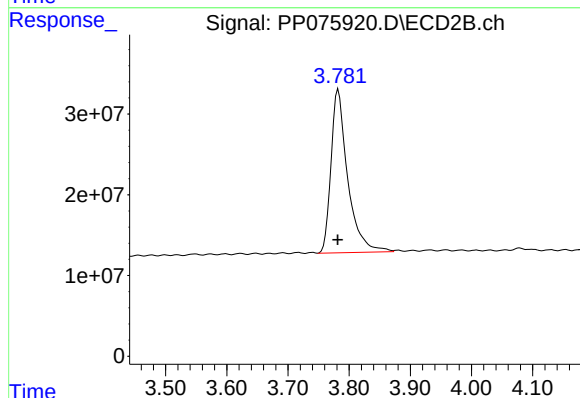




#1 Tetrachloro-m-xylene

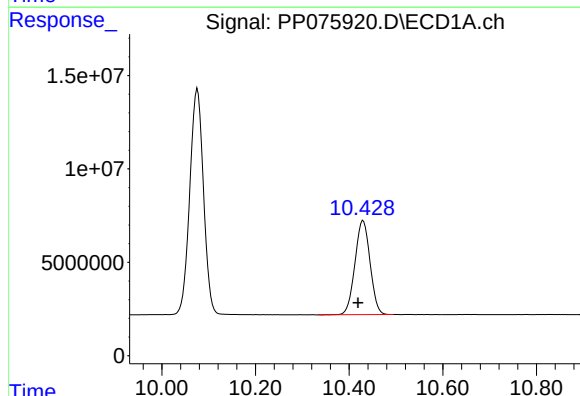
R.T.: 4.648 min
Delta R.T.: 0.006 min
Response: 80645176
Conc: 50.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1268



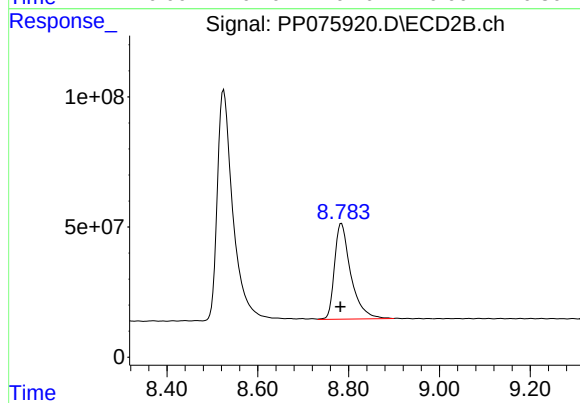
#1 Tetrachloro-m-xylene

R.T.: 3.782 min
Delta R.T.: 0.001 min
Response: 382676778
Conc: 52.40 ng/ml



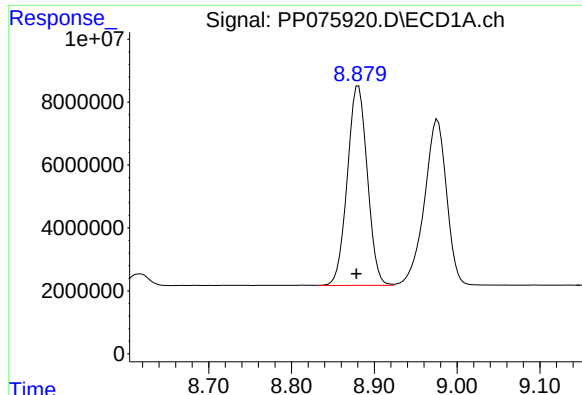
#2 Decachlorobiphenyl

R.T.: 10.430 min
Delta R.T.: 0.011 min
Response: 112806643
Conc: 52.20 ng/ml



#2 Decachlorobiphenyl

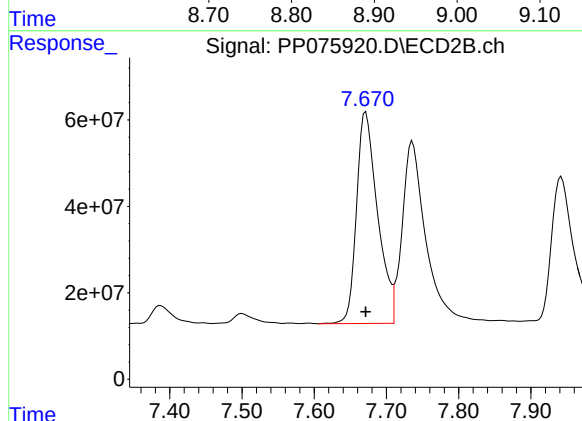
R.T.: 8.784 min
Delta R.T.: 0.002 min
Response: 913768766
Conc: 55.40 ng/ml



#41 AR-1268-1

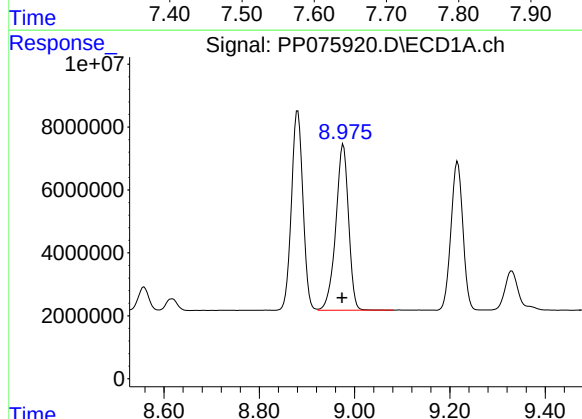
R.T.: 8.881 min
Delta R.T.: 0.002 min
Response: 106536710
Conc: 515.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1268



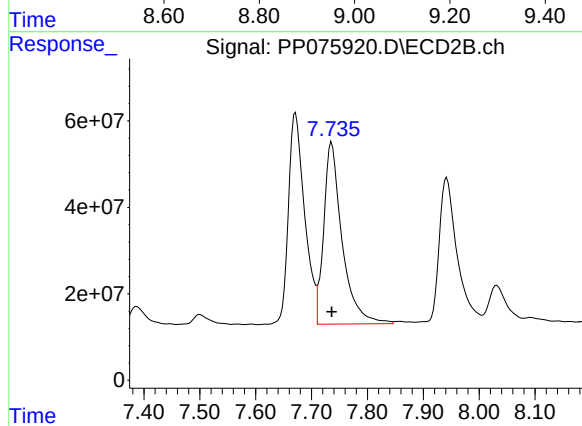
#41 AR-1268-1

R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 989459670
Conc: 546.47 ng/ml



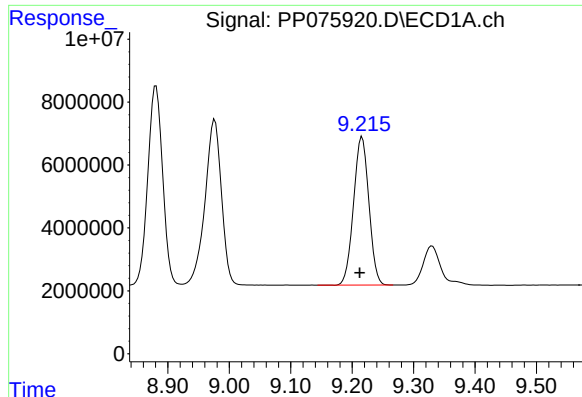
#42 AR-1268-2

R.T.: 8.976 min
Delta R.T.: 0.003 min
Response: 98184801
Conc: 521.53 ng/ml



#42 AR-1268-2

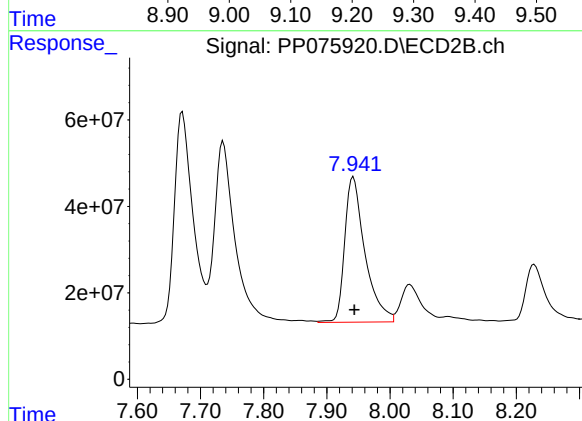
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 960757181
Conc: 553.71 ng/ml



#43 AR-1268-3

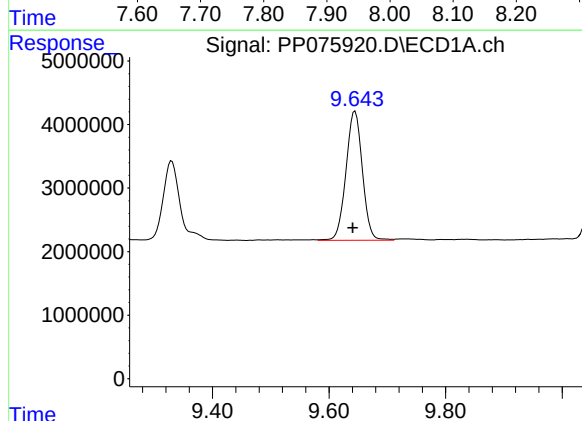
R.T.: 9.216 min
Delta R.T.: 0.004 min
Response: 81566200
Conc: 525.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1268



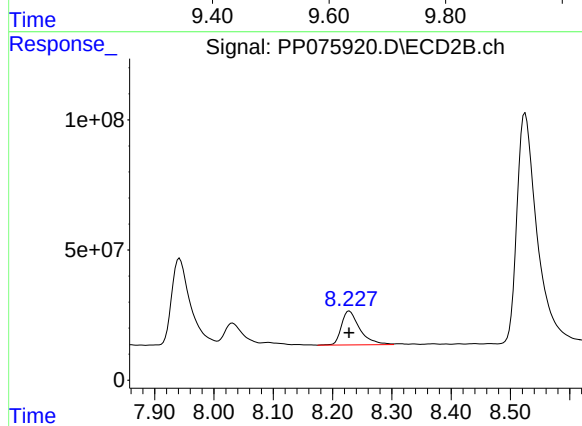
#43 AR-1268-3

R.T.: 7.942 min
Delta R.T.: -0.002 min
Response: 749381557
Conc: 548.16 ng/ml



#44 AR-1268-4

R.T.: 9.645 min
Delta R.T.: 0.004 min
Response: 39672536
Conc: 504.44 ng/ml



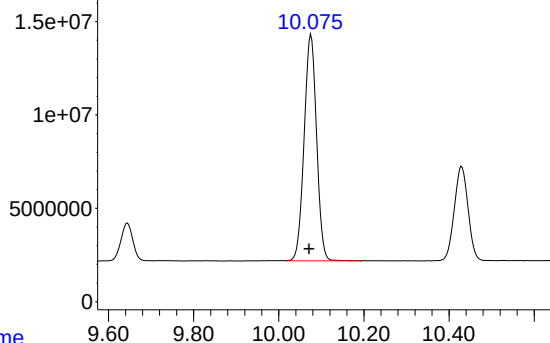
#44 AR-1268-4

R.T.: 8.228 min
Delta R.T.: 0.000 min
Response: 280752507
Conc: 542.58 ng/ml

Response_

Signal: PP075920.D\ECD1A.ch

#45 AR-1268-5



R.T.: 10.076 min
Delta R.T.: 0.005 min
Response: 245972462
Conc: 512.03 ng/ml

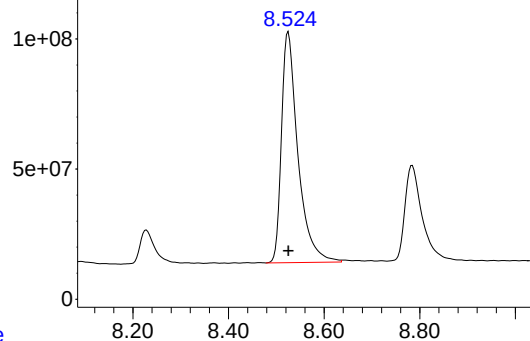
Instrument :
ECD_P
ClientSampleId :
ICVPP102125AR1268

Time

Response_

Signal: PP075920.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.525 min
Delta R.T.: 0.000 min
Response: 2111903828
Conc: 559.93 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: ICES02

Lab Code: ACE

SDG NO.: Q3399

Continuing Calib Date: 10/22/2025

Initial Calibration Date(s): 10/21/2025

10/21/2025

Continuing Calib Time: 14:56

Initial Calibration Time(s): 09:06

17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.80	5.80	5.70	5.90	0.00
Aroclor-1016-2	(2)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-1	(1)	7.39	7.39	7.29	7.49	0.00
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	8.00	8.00	7.90	8.10	0.00
Aroclor-1260-4	(4)	8.23	8.23	8.13	8.33	0.00
Aroclor-1260-5	(5)	8.56	8.55	8.45	8.65	-0.01
Tetrachloro-m-xylene		4.65	4.64	4.54	4.74	-0.01
Decachlorobiphenyl		10.43	10.42	10.32	10.52	-0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Continuing Calib Date: 10/22/2025

Initial Calibration Date(s): 10/21/2025

10/21/2025

Continuing Calib Time: 14:56

Initial Calibration Time(s): 09:06

17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.06	5.05	4.95	5.15	-0.01
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.53	6.53	6.43	6.63	0.00
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.15	7.15	7.05	7.25	0.00
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.79	8.78	8.68	8.88	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075936.D **Time Analyzed:** 14:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.799	5.695	5.895	470.840	500.000	-5.8
Aroclor-1016-2	5.821	5.717	5.917	474.670	500.000	-5.1
Aroclor-1016-3	5.883	5.780	5.980	473.780	500.000	-5.2
Aroclor-1016-4	5.980	5.877	6.077	476.450	500.000	-4.7
Aroclor-1016-5	6.273	6.169	6.369	466.280	500.000	-6.7
Aroclor-1260-1	7.391	7.287	7.487	500.580	500.000	0.1
Aroclor-1260-2	7.644	7.540	7.740	474.300	500.000	-5.1
Aroclor-1260-3	8.002	7.899	8.099	487.640	500.000	-2.5
Aroclor-1260-4	8.231	8.127	8.327	528.640	500.000	5.7
Aroclor-1260-5	8.556	8.452	8.652	487.680	500.000	-2.5
Decachlorobiphenyl	10.425	10.319	10.519	48.820	50.000	-2.4
Tetrachloro-m-xylene	4.646	4.542	4.742	46.990	50.000	-6.0



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075936.D **Time Analyzed:** 14:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.879	4.778	4.978	528.020	500.000	5.6
Aroclor-1016-2	4.937	4.836	5.036	553.110	500.000	10.6
Aroclor-1016-3	5.057	4.954	5.154	499.640	500.000	-0.1
Aroclor-1016-4	5.098	4.996	5.196	547.630	500.000	9.5
Aroclor-1016-5	5.312	5.210	5.410	513.760	500.000	2.8
Aroclor-1260-1	6.339	6.238	6.438	507.530	500.000	1.5
Aroclor-1260-2	6.527	6.425	6.625	510.050	500.000	2.0
Aroclor-1260-3	6.680	6.578	6.778	527.650	500.000	5.5
Aroclor-1260-4	7.149	7.047	7.247	521.350	500.000	4.3
Aroclor-1260-5	7.390	7.287	7.487	505.960	500.000	1.2
Decachlorobiphenyl	8.785	8.682	8.882	46.960	50.000	-6.1
Tetrachloro-m-xylene	3.784	3.681	3.881	49.710	50.000	-0.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
 Data File : PP075936.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 14:56
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:32:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 18:24:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.784	67155549	329.0E6	46.992	49.715
2) SA Decachlor...	10.425	8.785	52559000	386.2E6	48.823	46.961
Target Compounds						
3) L1 AR-1016-1	5.799	4.879	27839098	390.8E6	470.843	528.022
4) L1 AR-1016-2	5.821	4.937	41981341	189.1E6	474.665	553.107
5) L1 AR-1016-3	5.883	5.057	26224171	102.6E6	473.779	499.644
6) L1 AR-1016-4	5.980	5.098	21650095	102.3E6	476.452	547.632
7) L1 AR-1016-5	6.273	5.312	20239048	117.1E6	466.278	513.762
31) L7 AR-1260-1	7.391	6.339	34418334	278.0E6	500.582	507.530
32) L7 AR-1260-2	7.644	6.527	42486353	415.0E6	474.298	510.055
33) L7 AR-1260-3	8.002	6.680	33787203	296.9E6	487.644	527.652
34) L7 AR-1260-4	8.231	7.149	36249820	270.8E6	528.644	521.346
35) L7 AR-1260-5	8.556	7.390	72152926	685.9E6	487.679	505.956

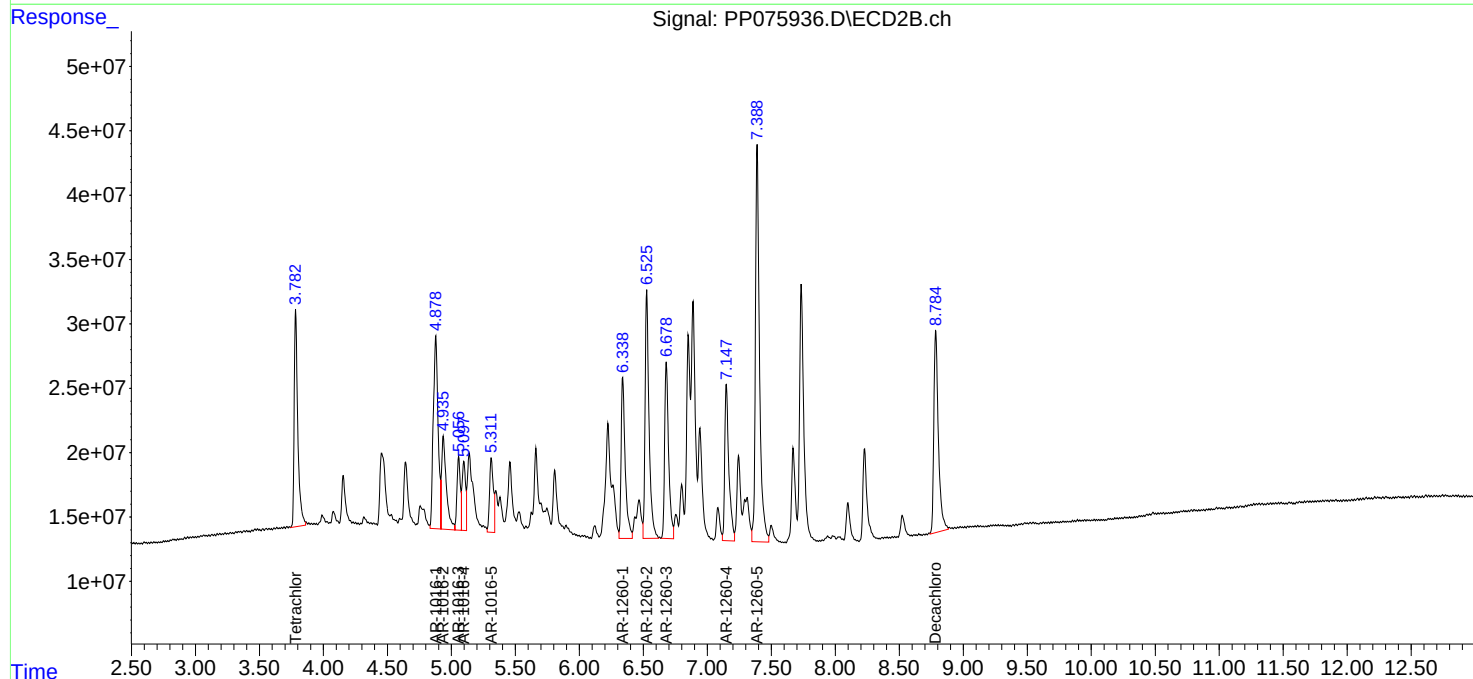
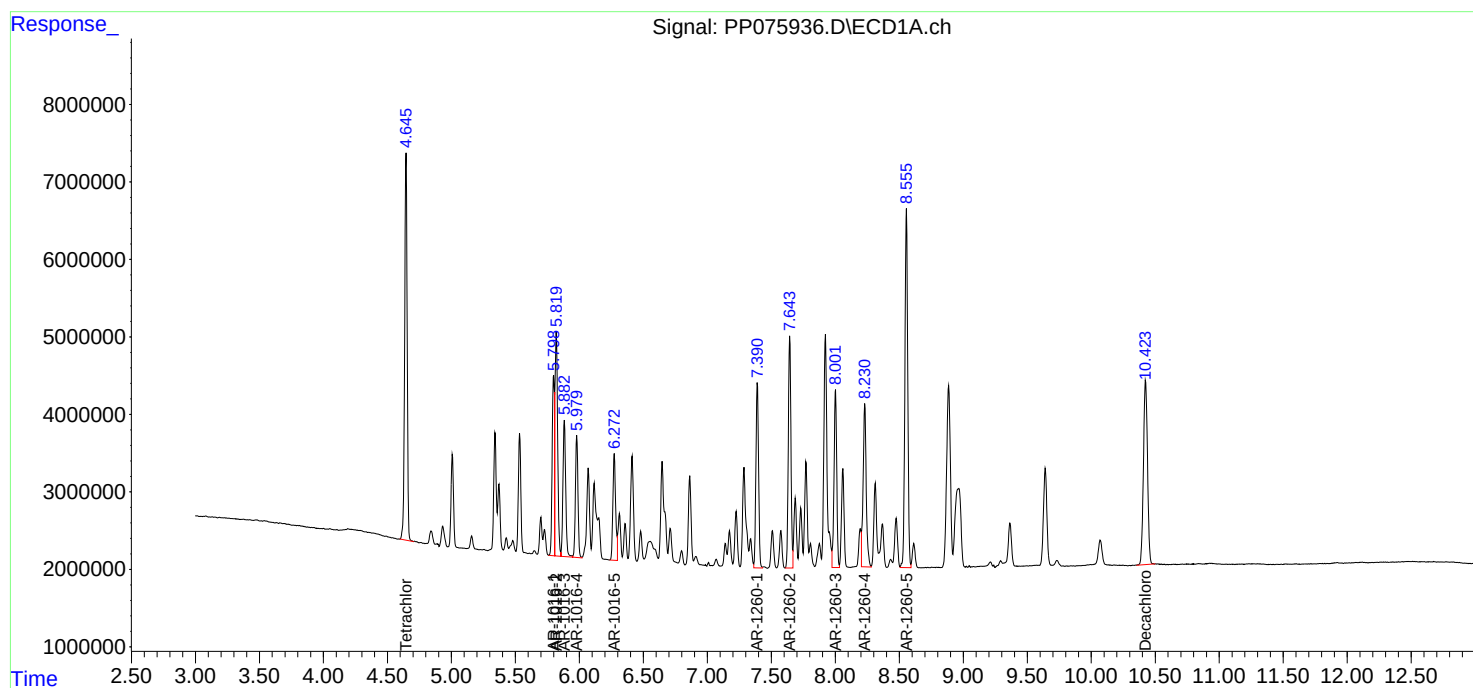
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

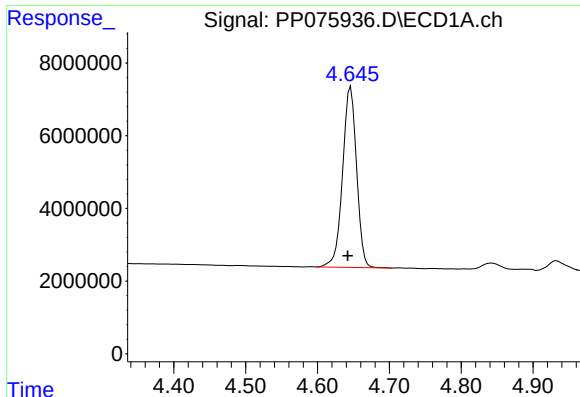
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 14:56
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:32:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

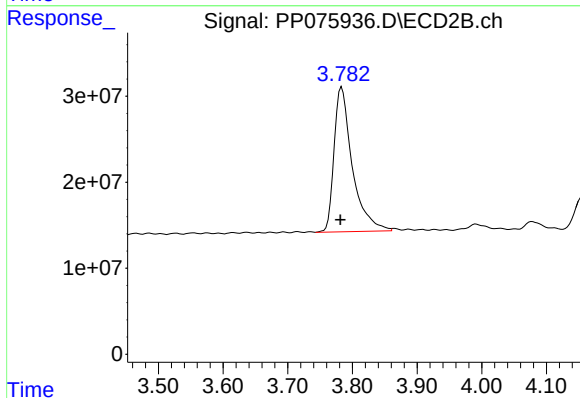




#1 Tetrachloro-m-xylene

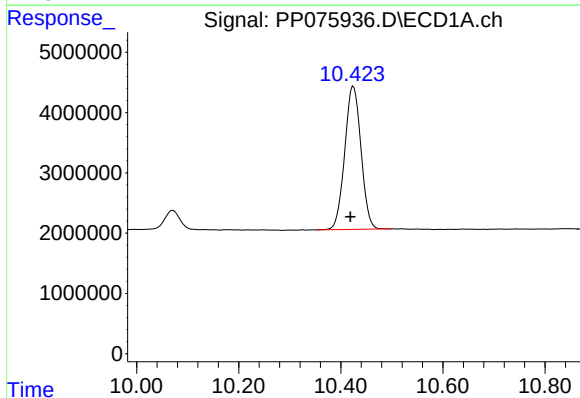
R.T.: 4.646 min
Delta R.T.: 0.004 min
Response: 67155549
Conc: 46.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



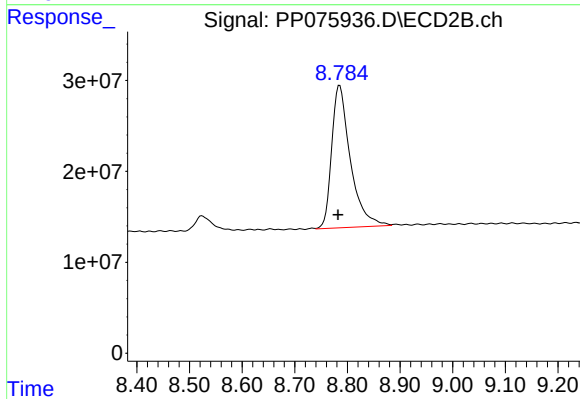
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.002 min
Response: 329027034
Conc: 49.71 ng/ml



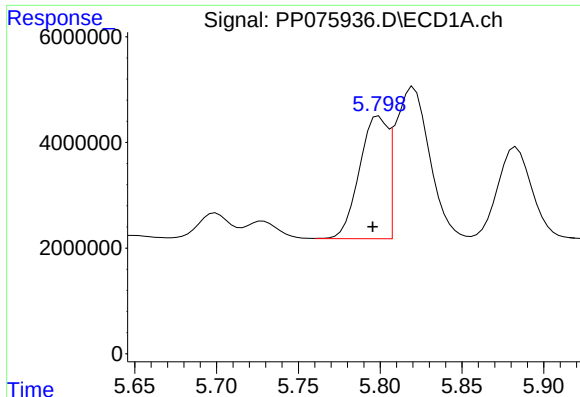
#2 Decachlorobiphenyl

R.T.: 10.425 min
Delta R.T.: 0.006 min
Response: 52559000
Conc: 48.82 ng/ml



#2 Decachlorobiphenyl

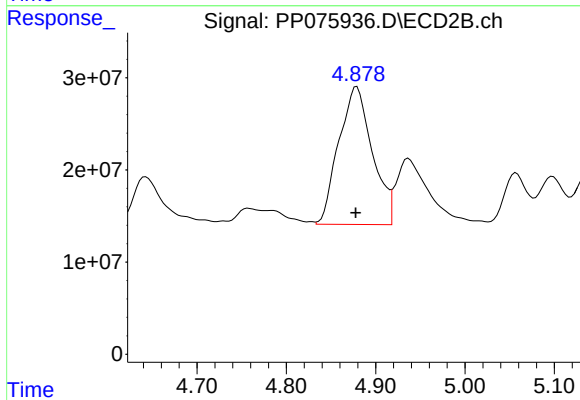
R.T.: 8.785 min
Delta R.T.: 0.003 min
Response: 386160103
Conc: 46.96 ng/ml



#3 AR-1016-1

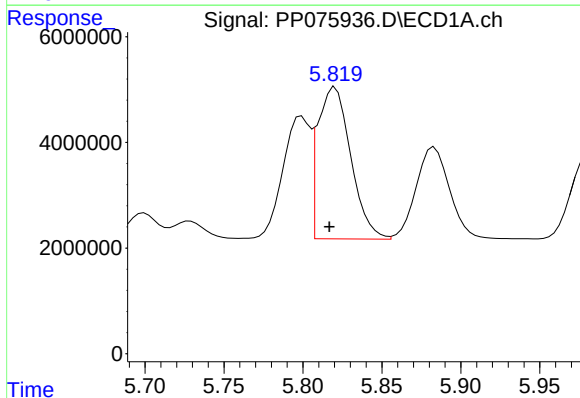
R.T.: 5.799 min
Delta R.T.: 0.004 min
Response: 27839098
Conc: 470.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



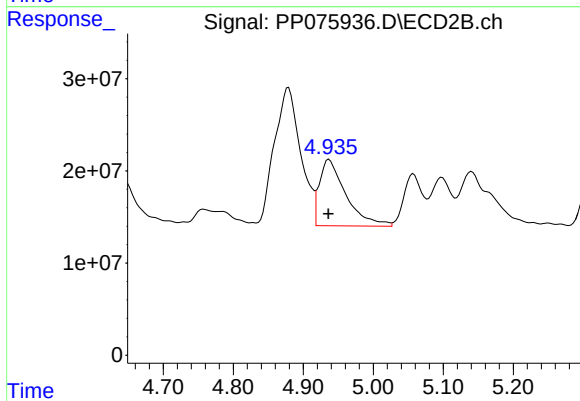
#3 AR-1016-1

R.T.: 4.879 min
Delta R.T.: 0.001 min
Response: 390826987
Conc: 528.02 ng/ml



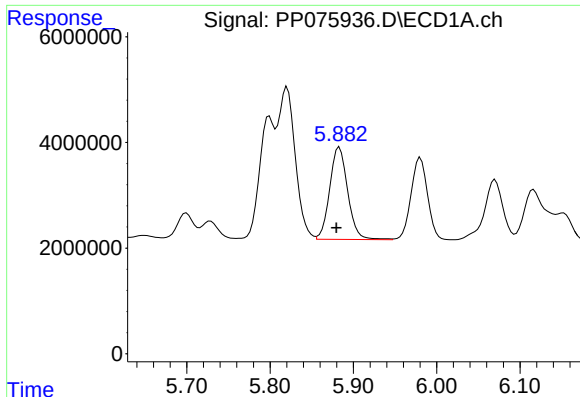
#4 AR-1016-2

R.T.: 5.821 min
Delta R.T.: 0.004 min
Response: 41981341
Conc: 474.67 ng/ml



#4 AR-1016-2

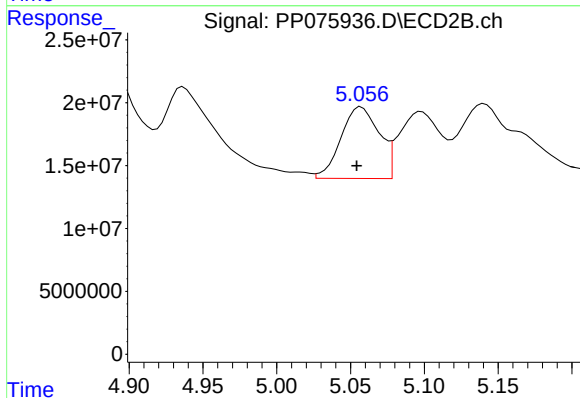
R.T.: 4.937 min
Delta R.T.: 0.000 min
Response: 189125245
Conc: 553.11 ng/ml



#5 AR-1016-3

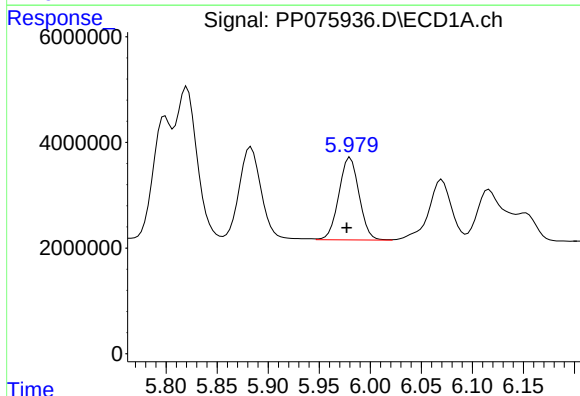
R.T.: 5.883 min
Delta R.T.: 0.004 min
Response: 26224171
Conc: 473.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



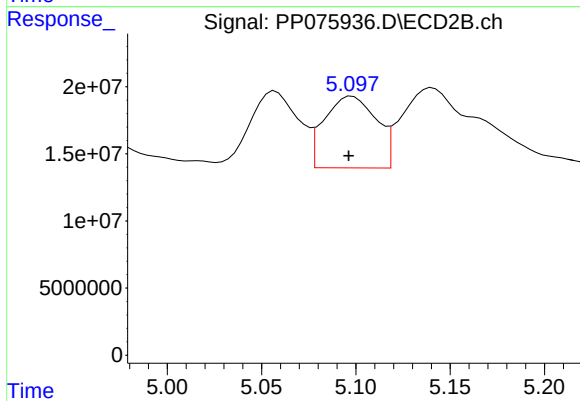
#5 AR-1016-3

R.T.: 5.057 min
Delta R.T.: 0.003 min
Response: 102598121
Conc: 499.64 ng/ml



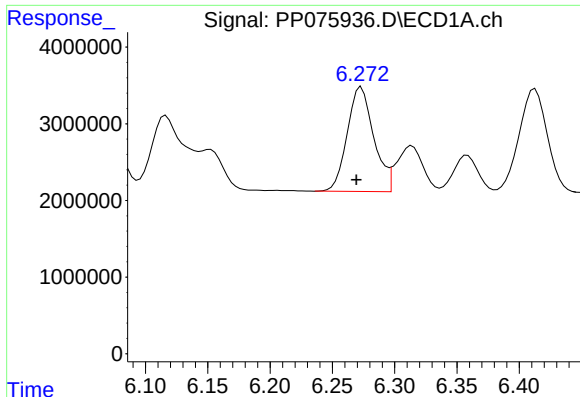
#6 AR-1016-4

R.T.: 5.980 min
Delta R.T.: 0.004 min
Response: 21650095
Conc: 476.45 ng/ml



#6 AR-1016-4

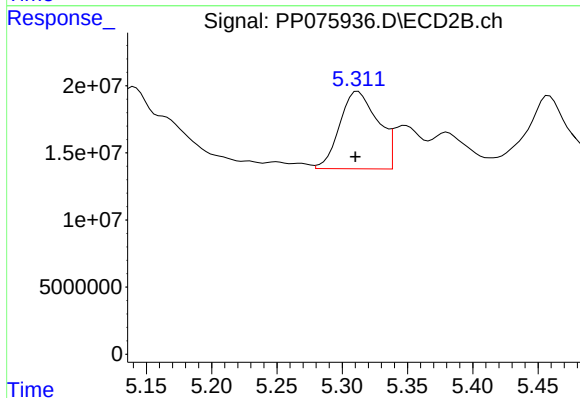
R.T.: 5.098 min
Delta R.T.: 0.002 min
Response: 102344485
Conc: 547.63 ng/ml



#7 AR-1016-5

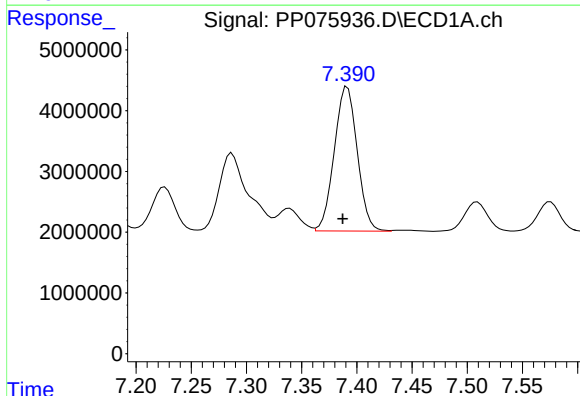
R.T.: 6.273 min
Delta R.T.: 0.004 min
Response: 20239048
Conc: 466.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



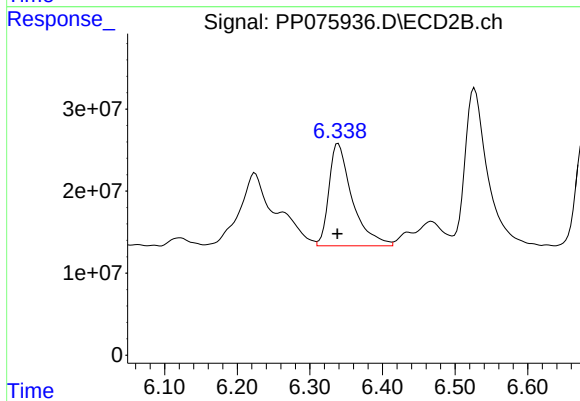
#7 AR-1016-5

R.T.: 5.312 min
Delta R.T.: 0.002 min
Response: 117129080
Conc: 513.76 ng/ml



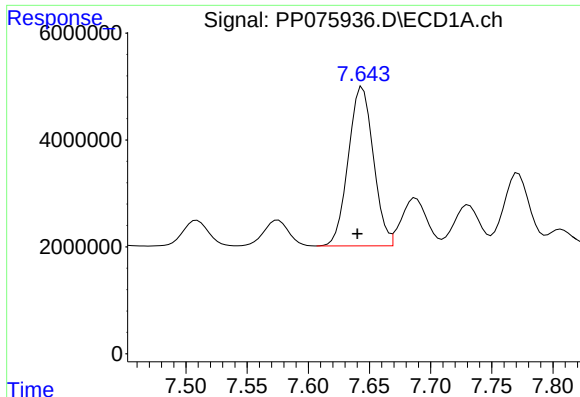
#31 AR-1260-1

R.T.: 7.391 min
Delta R.T.: 0.004 min
Response: 34418334
Conc: 500.58 ng/ml



#31 AR-1260-1

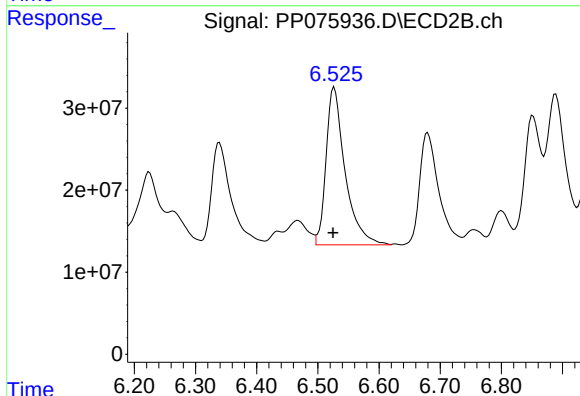
R.T.: 6.339 min
Delta R.T.: 0.001 min
Response: 277971559
Conc: 507.53 ng/ml



#32 AR-1260-2

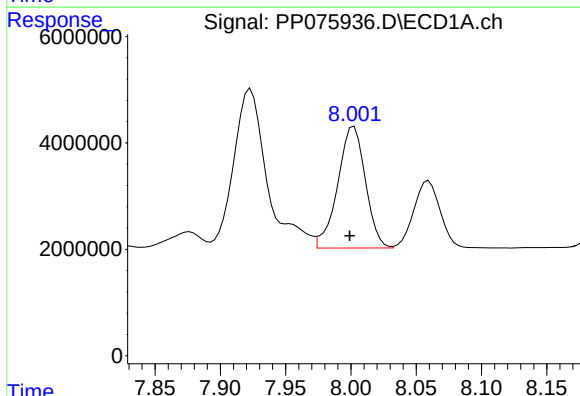
R.T.: 7.644 min
Delta R.T.: 0.004 min
Response: 42486353
Conc: 474.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



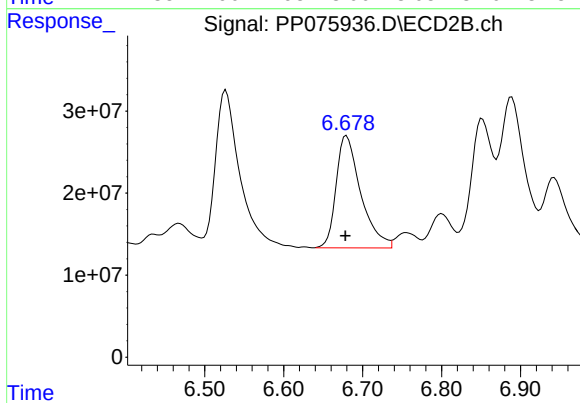
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.002 min
Response: 415048583
Conc: 510.05 ng/ml



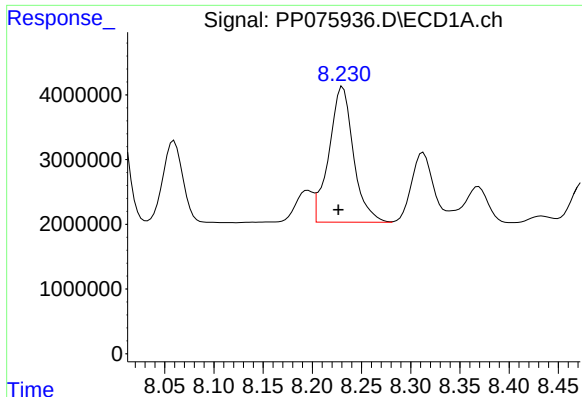
#33 AR-1260-3

R.T.: 8.002 min
Delta R.T.: 0.003 min
Response: 33787203
Conc: 487.64 ng/ml



#33 AR-1260-3

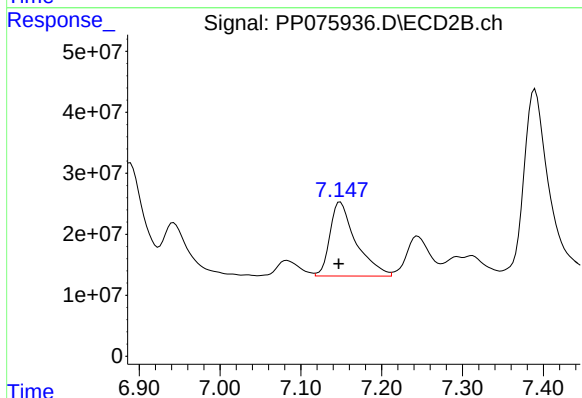
R.T.: 6.680 min
Delta R.T.: 0.001 min
Response: 296939851
Conc: 527.65 ng/ml



#34 AR-1260-4

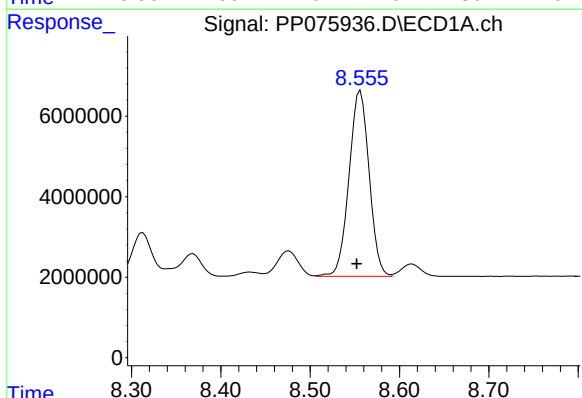
R.T.: 8.231 min
Delta R.T.: 0.004 min
Response: 36249820
Conc: 528.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



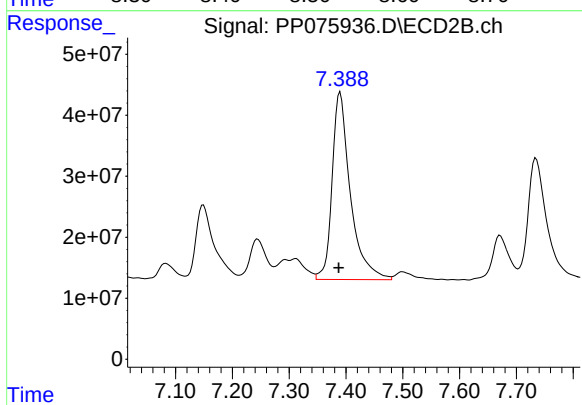
#34 AR-1260-4

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 270751658
Conc: 521.35 ng/ml



#35 AR-1260-5

R.T.: 8.556 min
Delta R.T.: 0.004 min
Response: 72152926
Conc: 487.68 ng/ml



#35 AR-1260-5

R.T.: 7.390 min
Delta R.T.: 0.002 min
Response: 685850424
Conc: 505.96 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Continuing Calib Date: 10/22/2025

Initial Calibration Date(s): 10/21/2025 10/21/2025

Continuing Calib Time: 19:33

Initial Calibration Time(s): 09:06 17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.80	5.80	5.70	5.90	0.00
Aroclor-1016-2	(2)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-1	(1)	7.39	7.39	7.29	7.49	0.00
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	8.00	8.00	7.90	8.10	0.00
Aroclor-1260-4	(4)	8.23	8.23	8.13	8.33	0.00
Aroclor-1260-5	(5)	8.56	8.55	8.45	8.65	-0.01
Tetrachloro-m-xylene		4.65	4.64	4.54	4.74	-0.01
Decachlorobiphenyl		10.43	10.42	10.32	10.52	-0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Continuing Calib Date: 10/22/2025

Initial Calibration Date(s): 10/21/2025

10/21/2025

Continuing Calib Time: 19:33

Initial Calibration Time(s): 09:06

17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.06	5.05	4.95	5.15	-0.01
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.53	6.53	6.43	6.63	0.00
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.15	7.15	7.05	7.25	0.00
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075950.D **Time Analyzed:** 19:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.800	5.695	5.895	488.030	500.000	-2.4
Aroclor-1016-2	5.821	5.717	5.917	491.100	500.000	-1.8
Aroclor-1016-3	5.884	5.780	5.980	491.820	500.000	-1.6
Aroclor-1016-4	5.981	5.877	6.077	496.440	500.000	-0.7
Aroclor-1016-5	6.274	6.169	6.369	487.670	500.000	-2.5
Aroclor-1260-1	7.392	7.287	7.487	525.000	500.000	5.0
Aroclor-1260-2	7.644	7.540	7.740	492.510	500.000	-1.5
Aroclor-1260-3	8.002	7.899	8.099	511.510	500.000	2.3
Aroclor-1260-4	8.231	8.127	8.327	553.360	500.000	10.7
Aroclor-1260-5	8.556	8.452	8.652	504.440	500.000	0.9
Decachlorobiphenyl	10.425	10.319	10.519	50.330	50.000	0.7
Tetrachloro-m-xylene	4.647	4.542	4.742	48.150	50.000	-3.7



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075950.D **Time Analyzed:** 19:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.880	4.778	4.978	541.730	500.000	8.3
Aroclor-1016-2	4.939	4.836	5.036	554.500	500.000	10.9
Aroclor-1016-3	5.058	4.954	5.154	528.400	500.000	5.7
Aroclor-1016-4	5.099	4.996	5.196	555.970	500.000	11.2
Aroclor-1016-5	5.312	5.210	5.410	511.680	500.000	2.3
Aroclor-1260-1	6.340	6.238	6.438	521.230	500.000	4.2
Aroclor-1260-2	6.527	6.425	6.625	540.440	500.000	8.1
Aroclor-1260-3	6.680	6.578	6.778	546.110	500.000	9.2
Aroclor-1260-4	7.150	7.047	7.247	577.530	500.000	15.5
Aroclor-1260-5	7.389	7.287	7.487	556.220	500.000	11.2
Decachlorobiphenyl	8.784	8.682	8.882	48.760	50.000	-2.5
Tetrachloro-m-xylene	3.784	3.681	3.881	51.410	50.000	2.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
 Data File : PP075950.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 19:33
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:36:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 18:24:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.647	3.784	68803877	340.3E6	48.145	51.411
2) SA Decachlor...	10.425	8.784	54185095	401.0E6	50.333	48.762
Target Compounds						
3) L1 AR-1016-1	5.800	4.880	28855448	401.0E6	488.032	541.732
4) L1 AR-1016-2	5.821	4.939	43434755	189.6E6	491.098	554.498
5) L1 AR-1016-3	5.884	5.058	27222636	108.5E6	491.818	528.398
6) L1 AR-1016-4	5.981	5.099	22558305	103.9E6	496.439	555.966
7) L1 AR-1016-5	6.274	5.312	21167364	116.7E6	487.665	511.677
31) L7 AR-1260-1	7.392	6.340	36097325	285.5E6	525.001	521.225
32) L7 AR-1260-2	7.644	6.527	44117277	439.8E6	492.505	540.437
33) L7 AR-1260-3	8.002	6.680	35440469	307.3E6	511.506	546.110
34) L7 AR-1260-4	8.231	7.150	37944510	299.9E6	553.358	577.530
35) L7 AR-1260-5	8.556	7.389	74632502	754.0E6	504.439	556.221

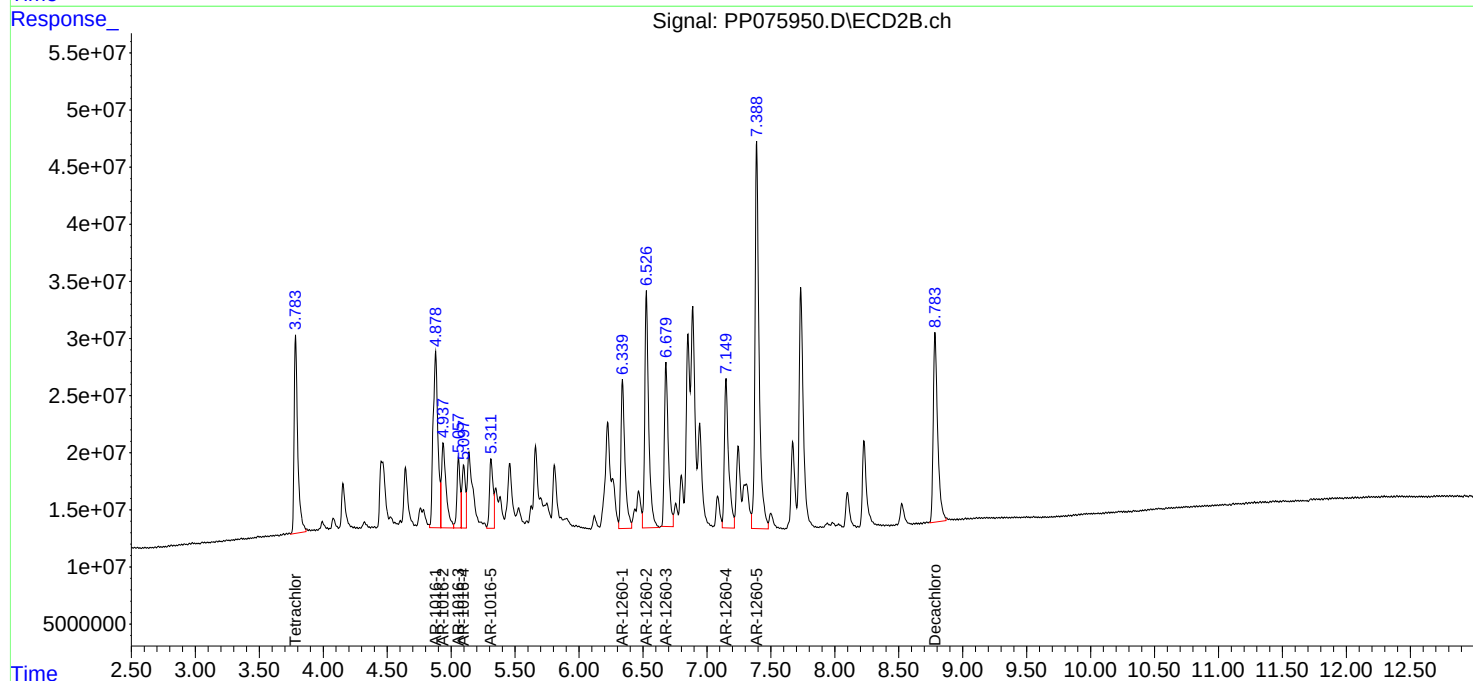
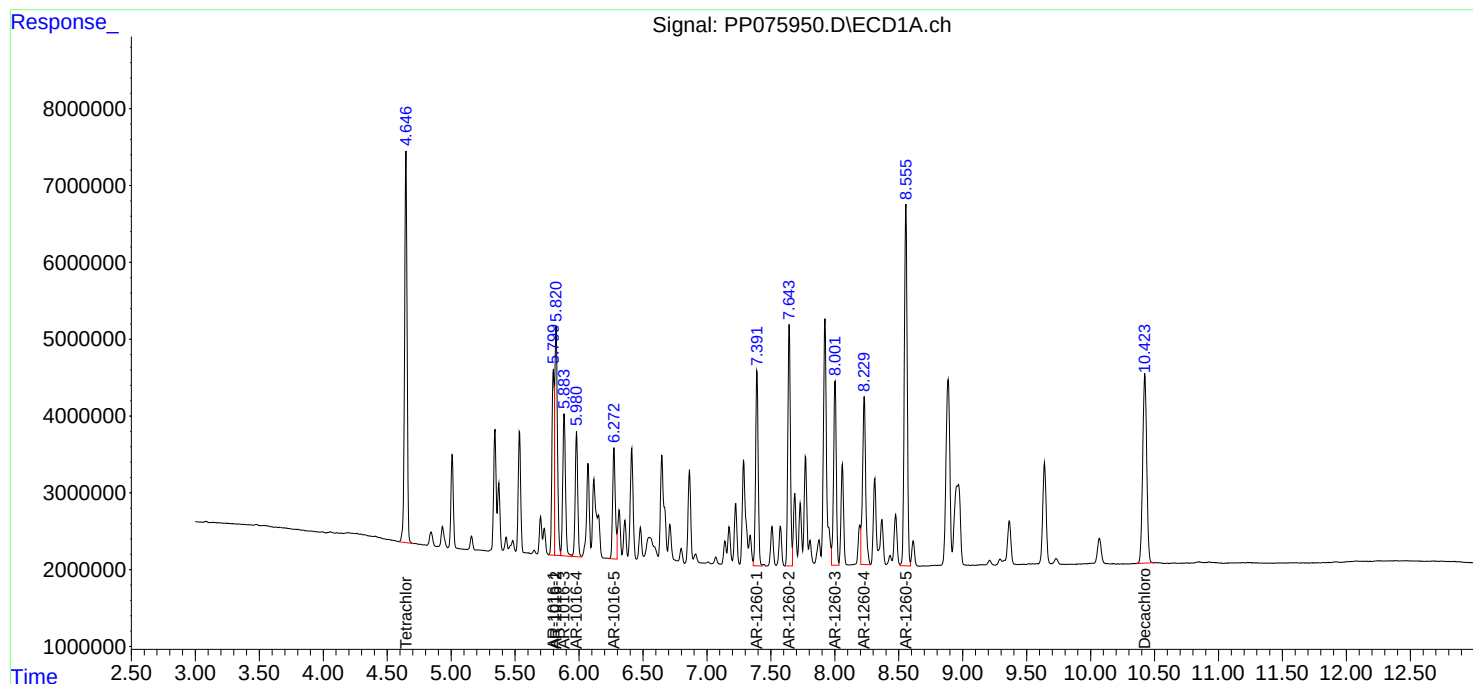
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 19:33
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:36:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

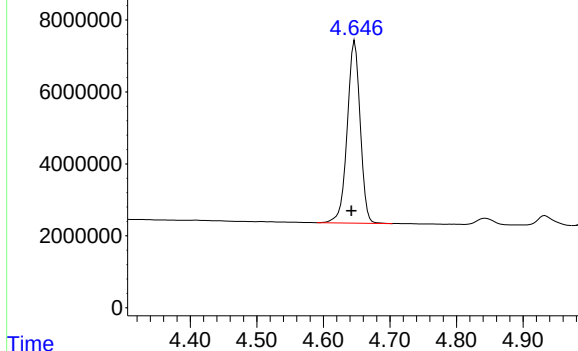


Response_ Signal: PP075950.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.647 min
Delta R.T.: 0.005 min
Response: 68803877
Conc: 48.15 ng/ml

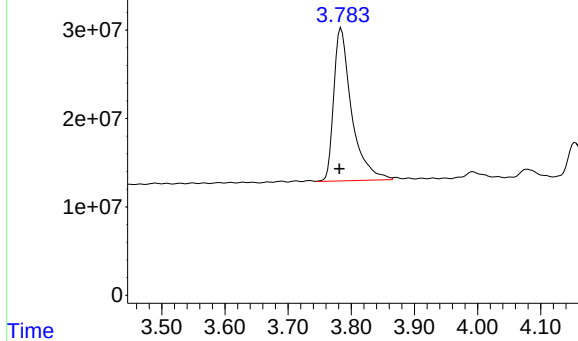
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



Time Response_ Signal: PP075950.D\ECD2B.ch

#1 Tetrachloro-m-xylene

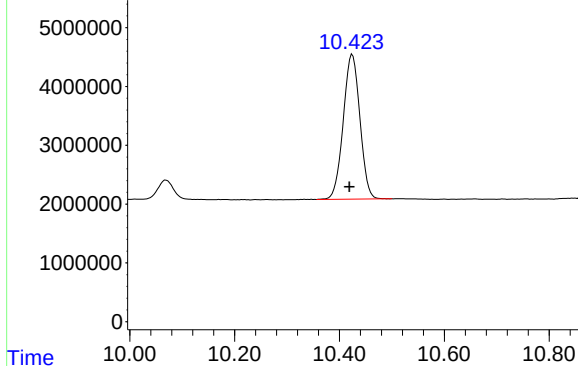
R.T.: 3.784 min
Delta R.T.: 0.003 min
Response: 340255416
Conc: 51.41 ng/ml



Time Response_ Signal: PP075950.D\ECD1A.ch

#2 Decachlorobiphenyl

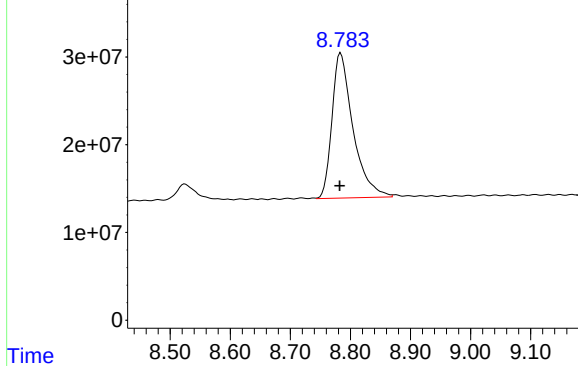
R.T.: 10.425 min
Delta R.T.: 0.006 min
Response: 54185095
Conc: 50.33 ng/ml

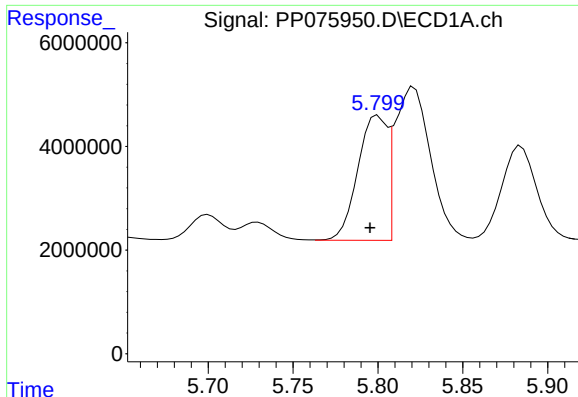


Time Response_ Signal: PP075950.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.002 min
Response: 400971729
Conc: 48.76 ng/ml

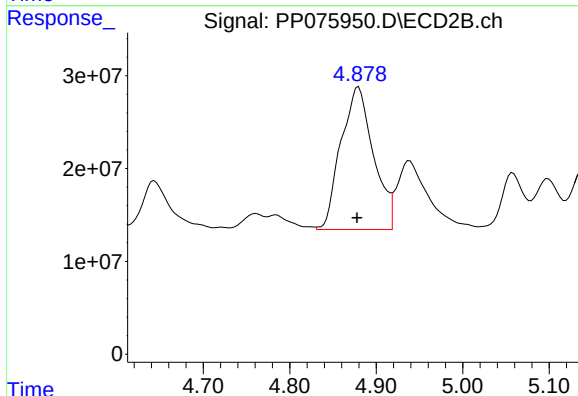




#3 AR-1016-1

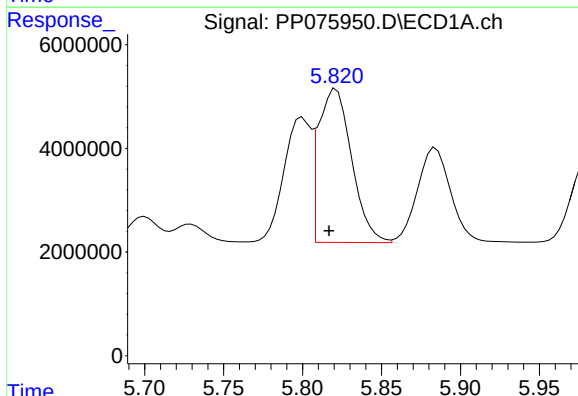
R.T.: 5.800 min
Delta R.T.: 0.005 min
Response: 28855448
Conc: 488.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



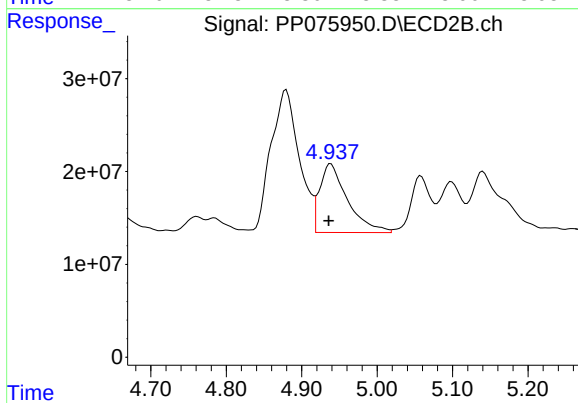
#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.002 min
Response: 400974890
Conc: 541.73 ng/ml



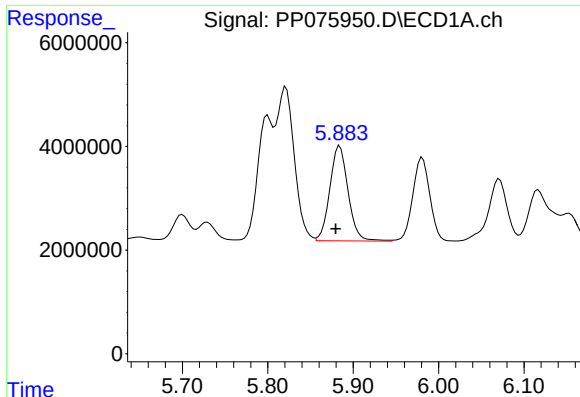
#4 AR-1016-2

R.T.: 5.821 min
Delta R.T.: 0.005 min
Response: 43434755
Conc: 491.10 ng/ml



#4 AR-1016-2

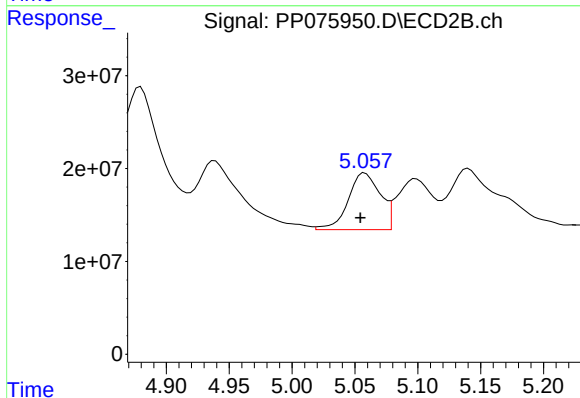
R.T.: 4.939 min
Delta R.T.: 0.003 min
Response: 189600815
Conc: 554.50 ng/ml



#5 AR-1016-3

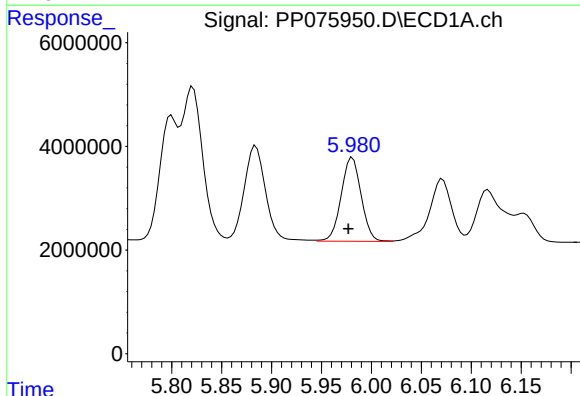
R.T.: 5.884 min
Delta R.T.: 0.005 min
Response: 27222636
Conc: 491.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



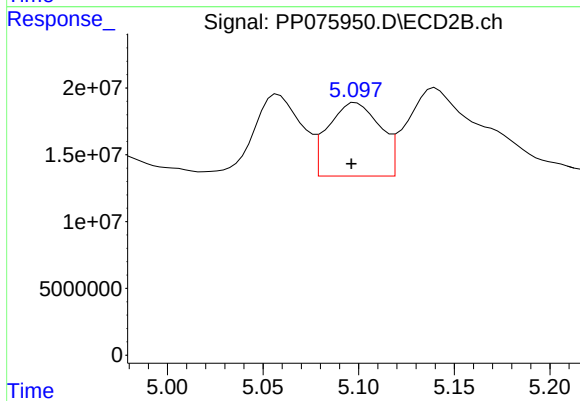
#5 AR-1016-3

R.T.: 5.058 min
Delta R.T.: 0.004 min
Response: 108502603
Conc: 528.40 ng/ml



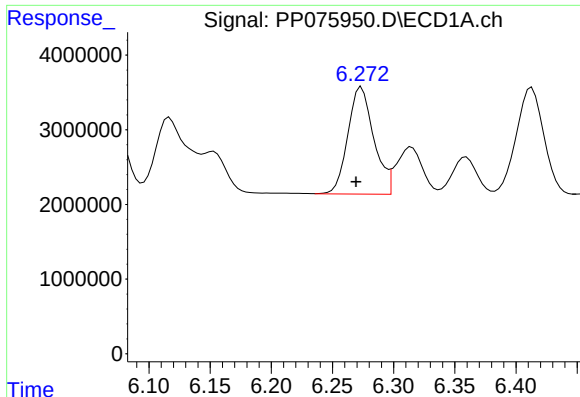
#6 AR-1016-4

R.T.: 5.981 min
Delta R.T.: 0.004 min
Response: 22558305
Conc: 496.44 ng/ml



#6 AR-1016-4

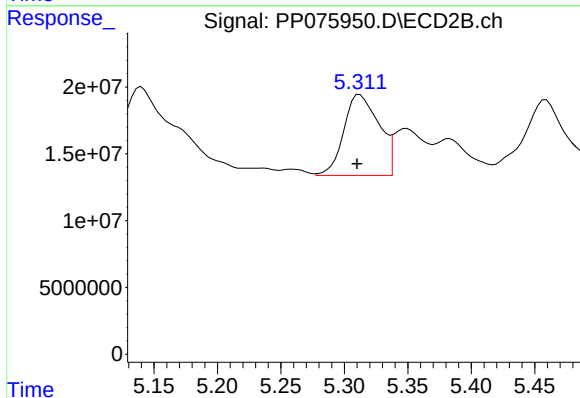
R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 103902114
Conc: 555.97 ng/ml



#7 AR-1016-5

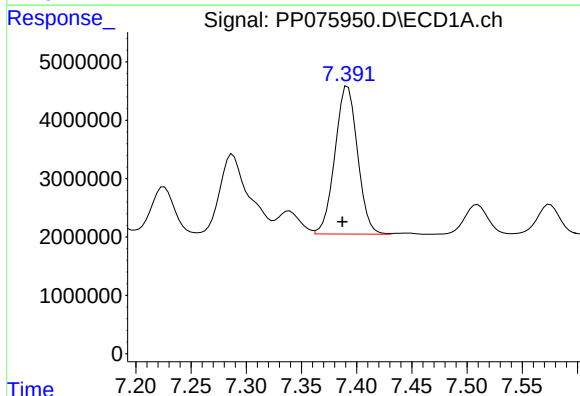
R.T.: 6.274 min
Delta R.T.: 0.004 min
Response: 21167364
Conc: 487.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



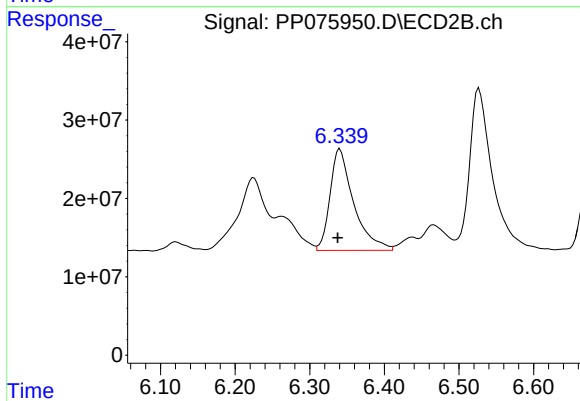
#7 AR-1016-5

R.T.: 5.312 min
Delta R.T.: 0.002 min
Response: 116653605
Conc: 511.68 ng/ml



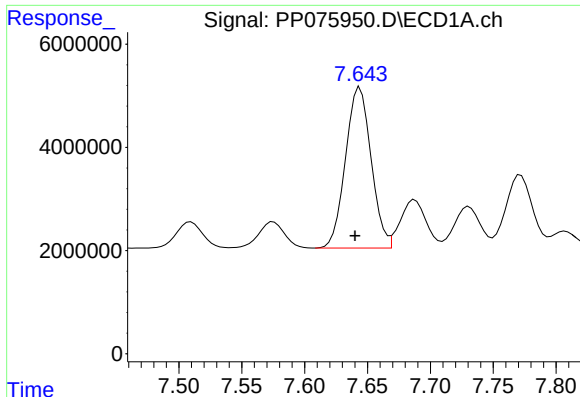
#31 AR-1260-1

R.T.: 7.392 min
Delta R.T.: 0.005 min
Response: 36097325
Conc: 525.00 ng/ml



#31 AR-1260-1

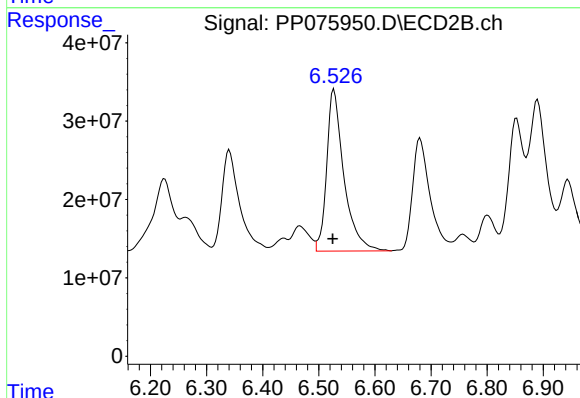
R.T.: 6.340 min
Delta R.T.: 0.003 min
Response: 285472575
Conc: 521.23 ng/ml



#32 AR-1260-2

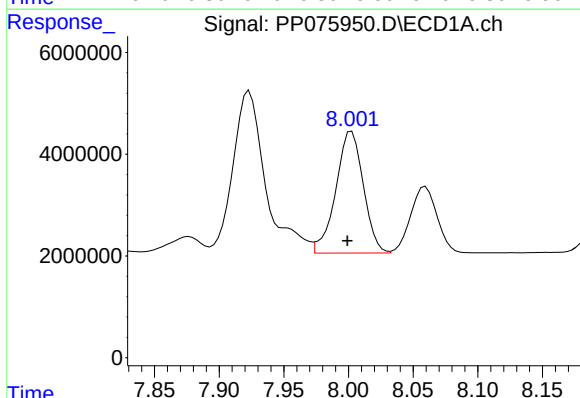
R.T.: 7.644 min
Delta R.T.: 0.004 min
Response: 44117277
Conc: 492.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



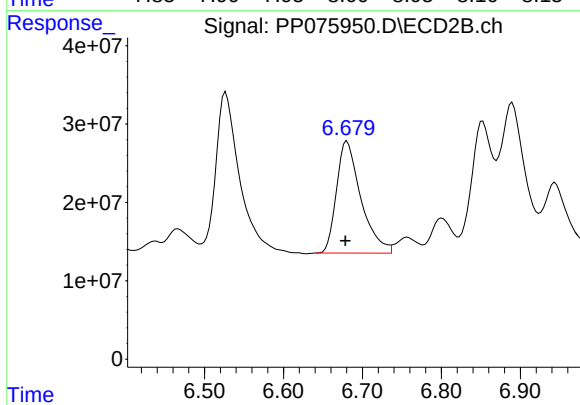
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.002 min
Response: 439771438
Conc: 540.44 ng/ml



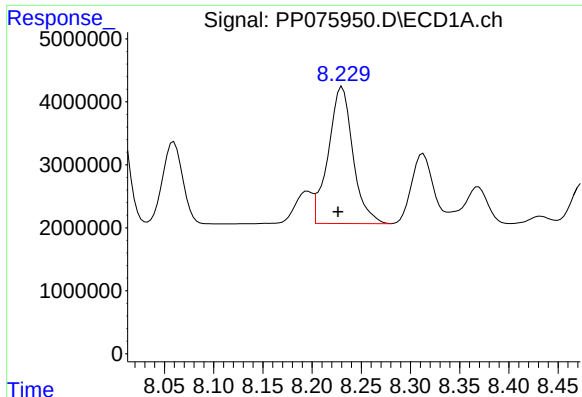
#33 AR-1260-3

R.T.: 8.002 min
Delta R.T.: 0.003 min
Response: 35440469
Conc: 511.51 ng/ml



#33 AR-1260-3

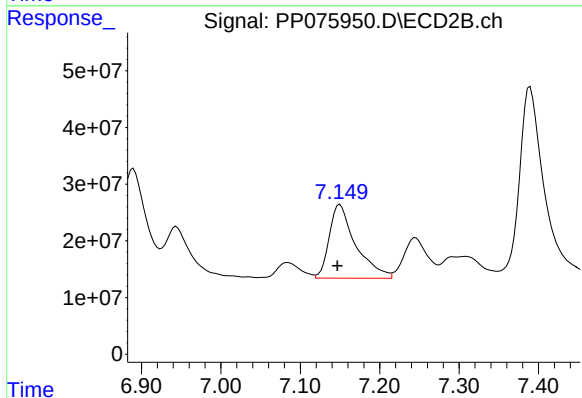
R.T.: 6.680 min
Delta R.T.: 0.002 min
Response: 307327097
Conc: 546.11 ng/ml



#34 AR-1260-4

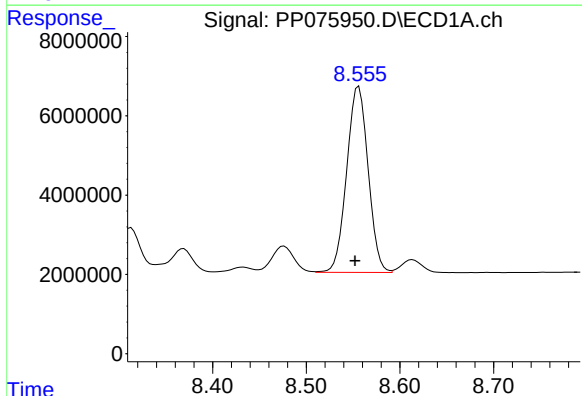
R.T.: 8.231 min
Delta R.T.: 0.004 min
Response: 37944510
Conc: 553.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



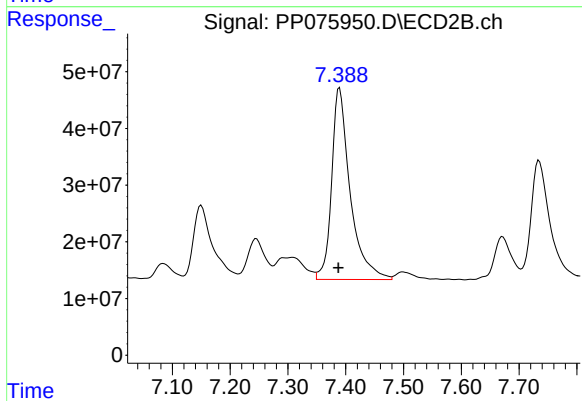
#34 AR-1260-4

R.T.: 7.150 min
Delta R.T.: 0.003 min
Response: 299929330
Conc: 577.53 ng/ml



#35 AR-1260-5

R.T.: 8.556 min
Delta R.T.: 0.004 min
Response: 74632502
Conc: 504.44 ng/ml



#35 AR-1260-5

R.T.: 7.389 min
Delta R.T.: 0.002 min
Response: 753988334
Conc: 556.22 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Continuing Calib Date: 10/22/2025

Initial Calibration Date(s): 10/21/2025

10/21/2025

Continuing Calib Time: 23:37

Initial Calibration Time(s): 09:06

17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.80	5.80	5.70	5.90	0.00
Aroclor-1016-2	(2)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-1	(1)	7.39	7.39	7.29	7.49	0.00
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	8.00	8.00	7.90	8.10	0.00
Aroclor-1260-4	(4)	8.23	8.23	8.13	8.33	0.00
Aroclor-1260-5	(5)	8.55	8.55	8.45	8.65	0.00
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.42	10.42	10.32	10.52	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Continuing Calib Date: 10/22/2025

Initial Calibration Date(s): 10/21/2025 10/21/2025

Continuing Calib Time: 23:37

Initial Calibration Time(s): 09:06 17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.06	5.05	4.95	5.15	-0.01
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.53	6.53	6.43	6.63	0.00
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.15	7.15	7.05	7.25	0.00
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075960.D **Time Analyzed:** 23:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.797	5.695	5.895	479.930	500.000	-4.0
Aroclor-1016-2	5.818	5.717	5.917	473.690	500.000	-5.3
Aroclor-1016-3	5.881	5.780	5.980	479.690	500.000	-4.1
Aroclor-1016-4	5.978	5.877	6.077	484.760	500.000	-3.0
Aroclor-1016-5	6.270	6.169	6.369	460.940	500.000	-7.8
Aroclor-1260-1	7.388	7.287	7.487	500.800	500.000	0.2
Aroclor-1260-2	7.641	7.540	7.740	467.710	500.000	-6.5
Aroclor-1260-3	8.000	7.899	8.099	485.880	500.000	-2.8
Aroclor-1260-4	8.227	8.127	8.327	517.750	500.000	3.6
Aroclor-1260-5	8.553	8.452	8.652	475.440	500.000	-4.9
Decachlorobiphenyl	10.418	10.319	10.519	48.370	50.000	-3.3
Tetrachloro-m-xylene	4.644	4.542	4.742	47.950	50.000	-4.1



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075960.D **Time Analyzed:** 23:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.879	4.778	4.978	548.720	500.000	9.7
Aroclor-1016-2	4.936	4.836	5.036	627.760	500.000	25.6
Aroclor-1016-3	5.056	4.954	5.154	557.340	500.000	11.5
Aroclor-1016-4	5.097	4.996	5.196	578.510	500.000	15.7
Aroclor-1016-5	5.311	5.210	5.410	499.120	500.000	-0.2
Aroclor-1260-1	6.338	6.238	6.438	435.450	500.000	-12.9
Aroclor-1260-2	6.525	6.425	6.625	459.310	500.000	-8.1
Aroclor-1260-3	6.678	6.578	6.778	488.450	500.000	-2.3
Aroclor-1260-4	7.147	7.047	7.247	477.190	500.000	-4.6
Aroclor-1260-5	7.387	7.287	7.487	451.150	500.000	-9.8
Decachlorobiphenyl	8.782	8.682	8.882	42.880	50.000	-14.2
Tetrachloro-m-xylene	3.783	3.681	3.881	54.340	50.000	8.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
 Data File : PP075960.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 23:37
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:39:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 18:24:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.644	3.783	68523341	359.6E6	47.949	54.336
2) SA Decachlor...	10.418	8.782	52071919	352.6E6	48.370	42.880
Target Compounds						
3) L1 AR-1016-1	5.797	4.879	28376623	406.1E6	479.934	548.716
4) L1 AR-1016-2	5.818	4.936	41895010	214.7E6	473.689	627.756 #
5) L1 AR-1016-3	5.881	5.056	26551222	114.4E6	479.688	557.340
6) L1 AR-1016-4	5.978	5.097	22027589	108.1E6	484.760	578.511
7) L1 AR-1016-5	6.270	5.311	20007515	113.8E6	460.944	499.120
31) L7 AR-1260-1	7.388	6.338	34433307	238.5E6	500.800	435.452
32) L7 AR-1260-2	7.641	6.525	41896571	373.8E6	467.714	459.312
33) L7 AR-1260-3	8.000	6.678	33664748	274.9E6	485.877	488.447
34) L7 AR-1260-4	8.227	7.147	35502767	247.8E6	517.749	477.186
35) L7 AR-1260-5	8.553	7.387	70342258	611.6E6	475.441	451.152

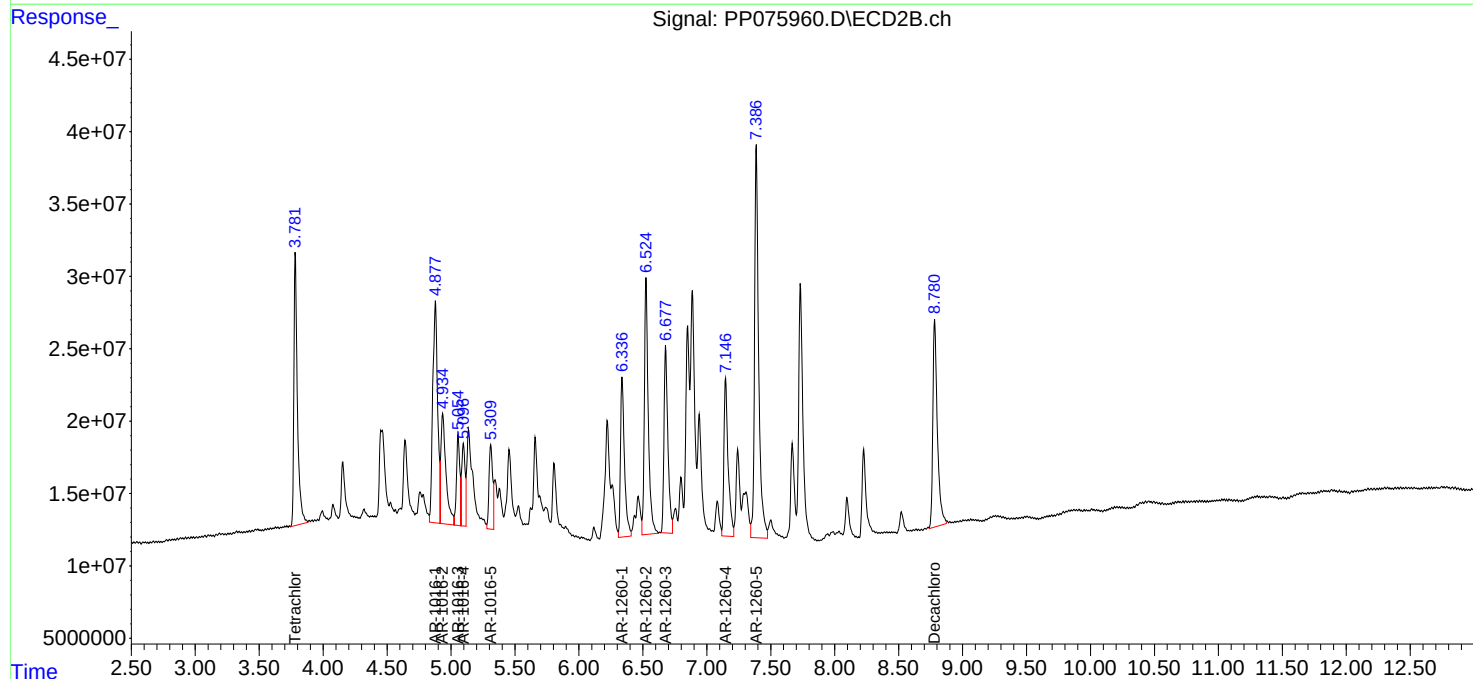
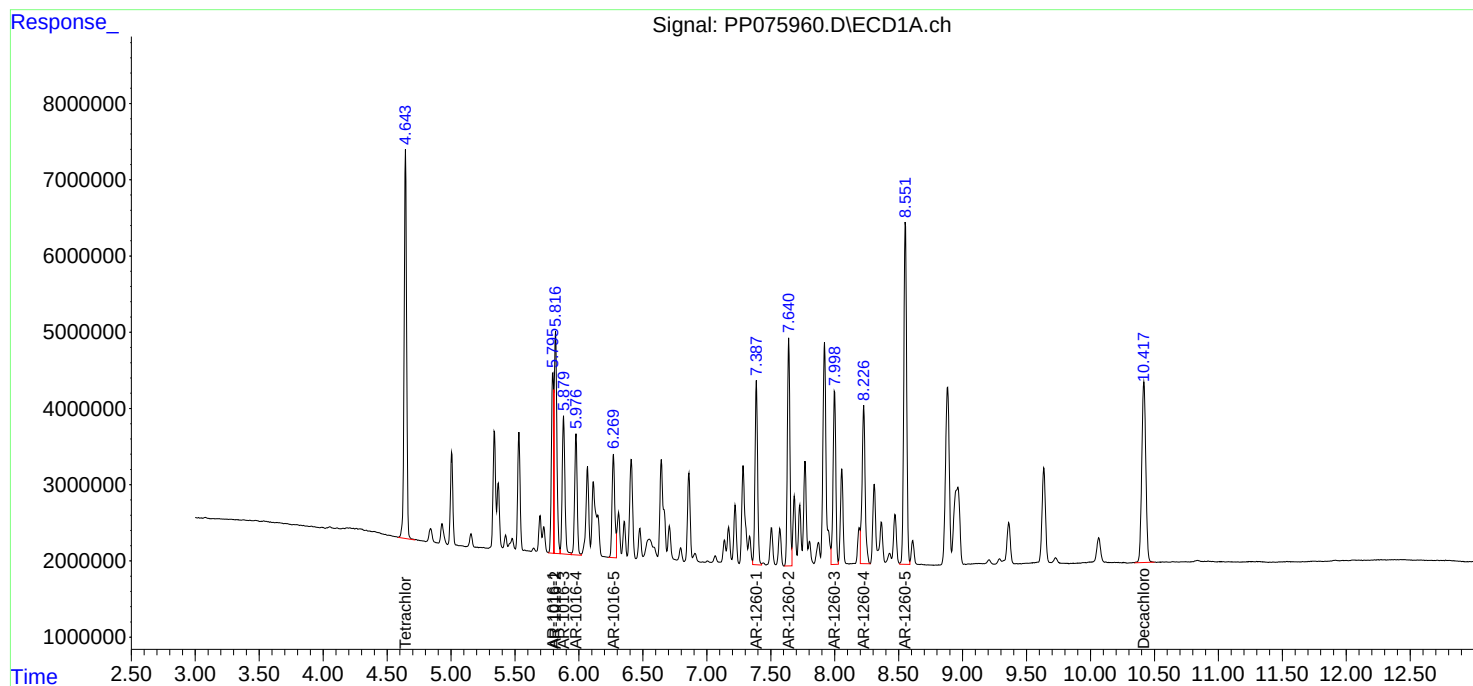
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

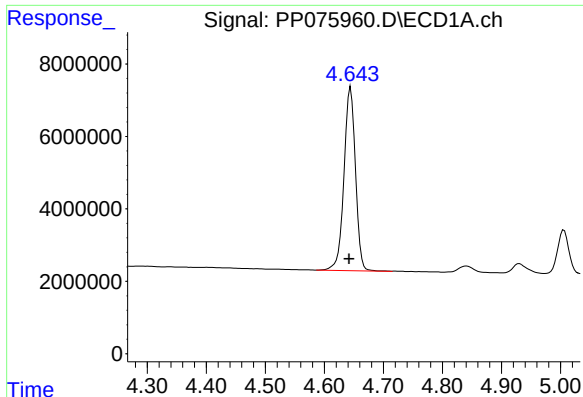
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 23:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:39:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

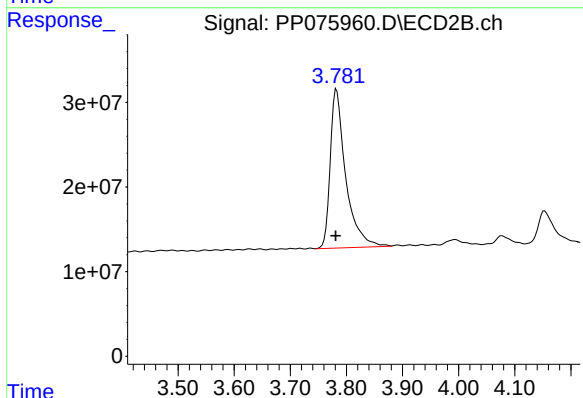




#1 Tetrachloro-m-xylene

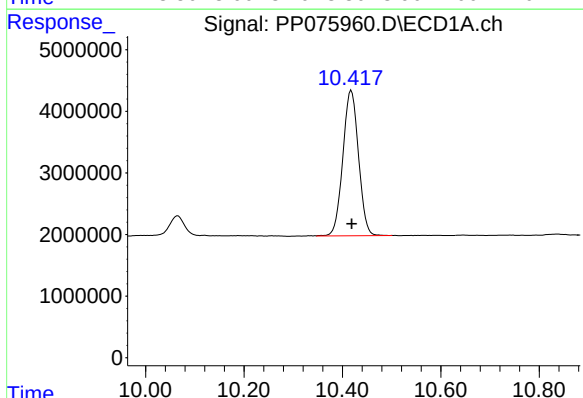
R.T.: 4.644 min
Delta R.T.: 0.002 min
Response: 68523341
Conc: 47.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



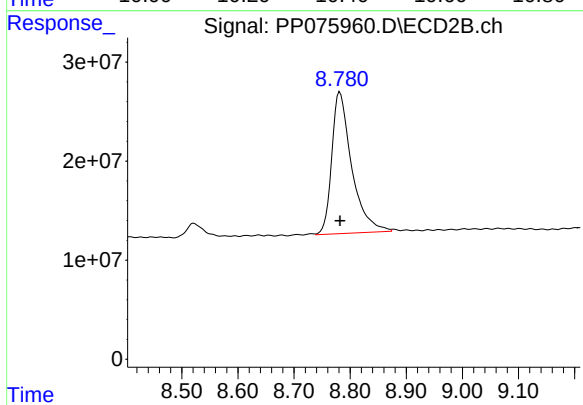
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.001 min
Response: 359611298
Conc: 54.34 ng/ml



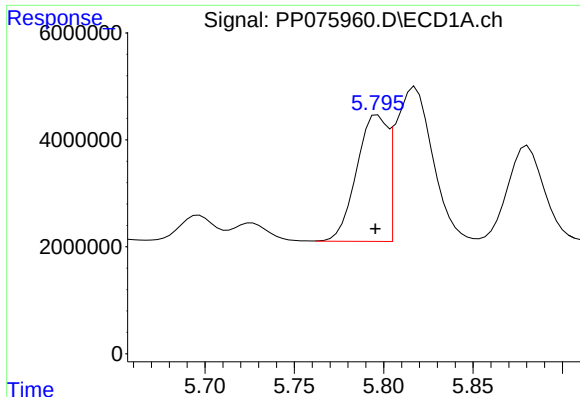
#2 Decachlorobiphenyl

R.T.: 10.418 min
Delta R.T.: 0.000 min
Response: 52071919
Conc: 48.37 ng/ml



#2 Decachlorobiphenyl

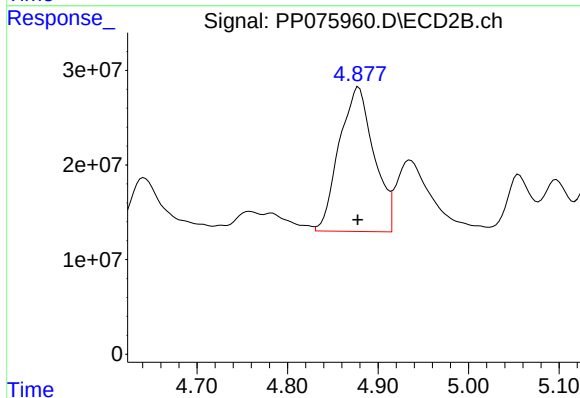
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 352600704
Conc: 42.88 ng/ml



#3 AR-1016-1

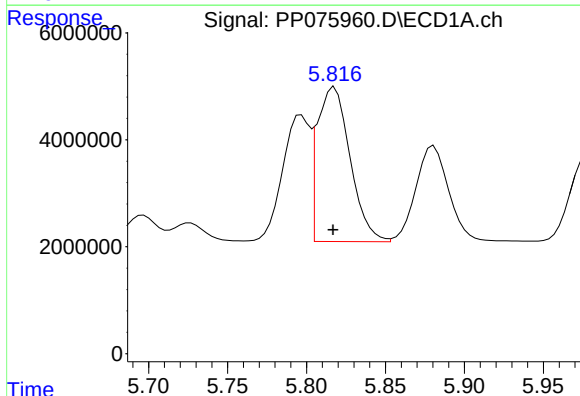
R.T.: 5.797 min
Delta R.T.: 0.001 min
Response: 28376623
Conc: 479.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



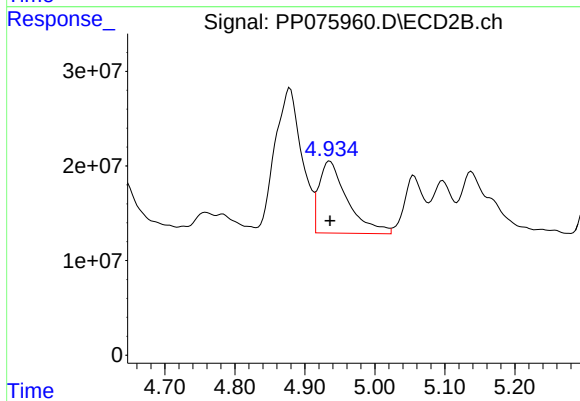
#3 AR-1016-1

R.T.: 4.879 min
Delta R.T.: 0.000 min
Response: 406144540
Conc: 548.72 ng/ml



#4 AR-1016-2

R.T.: 5.818 min
Delta R.T.: 0.000 min
Response: 41895010
Conc: 473.69 ng/ml



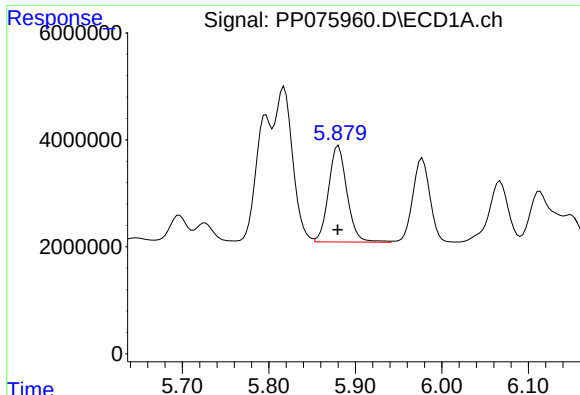
#4 AR-1016-2

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 214650224
Conc: 627.76 ng/ml

#5 AR-1016-3

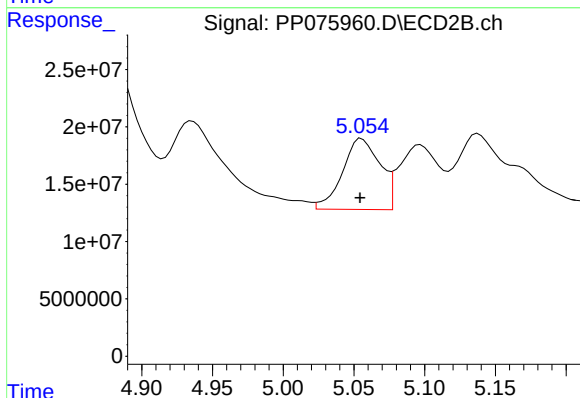
R.T.: 5.881 min
Delta R.T.: 0.000 min
Response: 26551222
Conc: 479.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



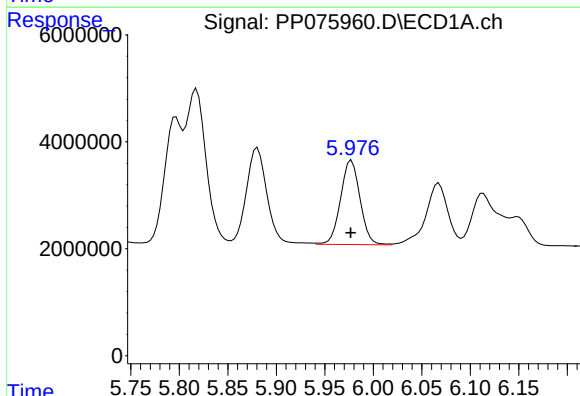
#5 AR-1016-3

R.T.: 5.056 min
Delta R.T.: 0.001 min
Response: 114445509
Conc: 557.34 ng/ml



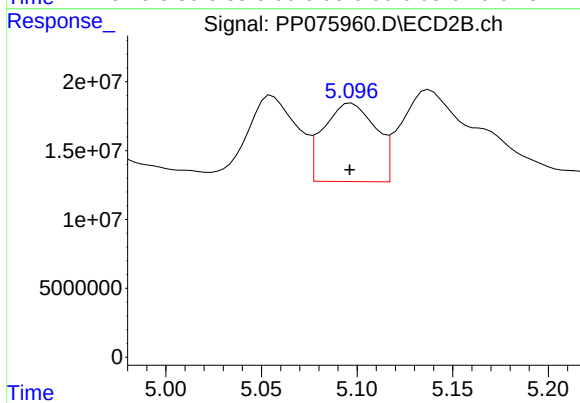
#6 AR-1016-4

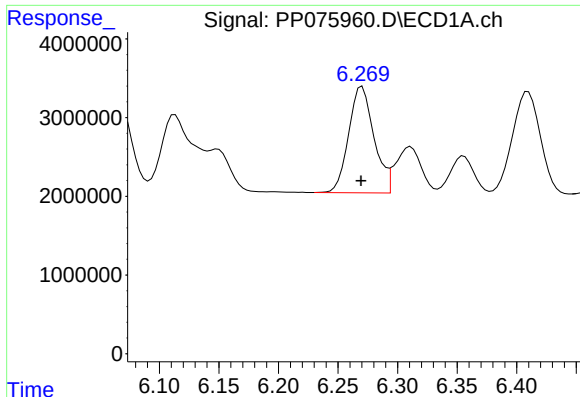
R.T.: 5.978 min
Delta R.T.: 0.000 min
Response: 22027589
Conc: 484.76 ng/ml



#6 AR-1016-4

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 108115330
Conc: 578.51 ng/ml

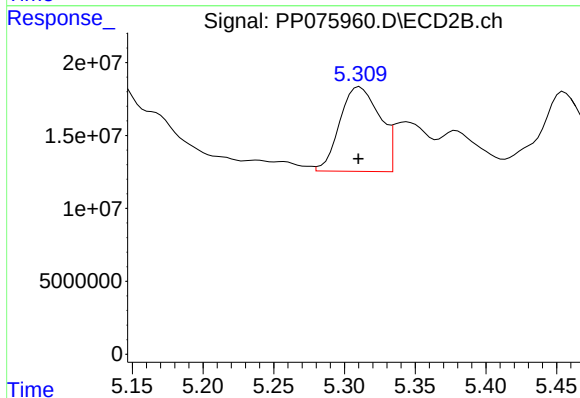




#7 AR-1016-5

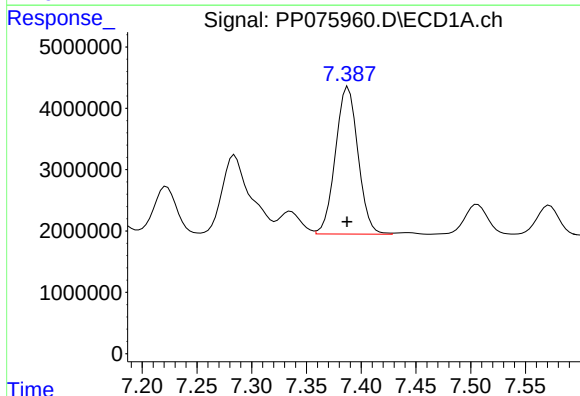
R.T.: 6.270 min
Delta R.T.: 0.000 min
Response: 20007515
Conc: 460.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



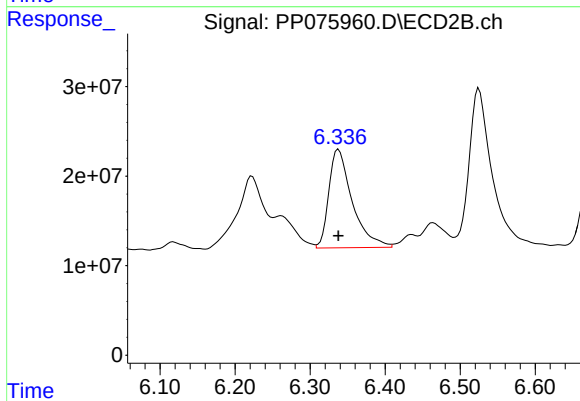
#7 AR-1016-5

R.T.: 5.311 min
Delta R.T.: 0.000 min
Response: 113790794
Conc: 499.12 ng/ml



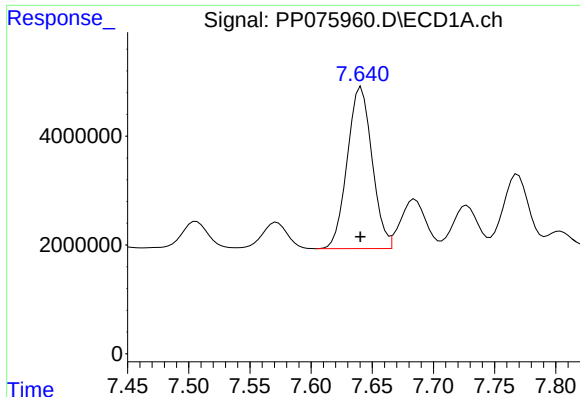
#31 AR-1260-1

R.T.: 7.388 min
Delta R.T.: 0.000 min
Response: 34433307
Conc: 500.80 ng/ml



#31 AR-1260-1

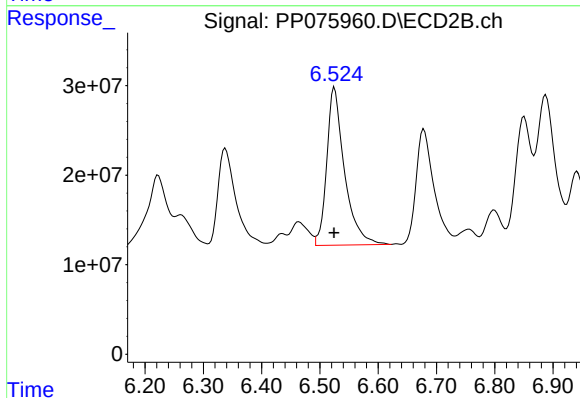
R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 238495067
Conc: 435.45 ng/ml



#32 AR-1260-2

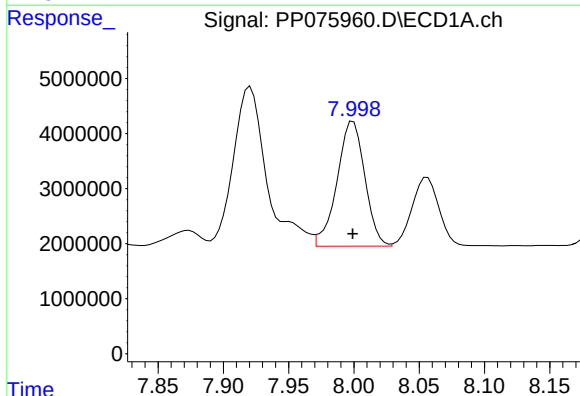
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 41896571
Conc: 467.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



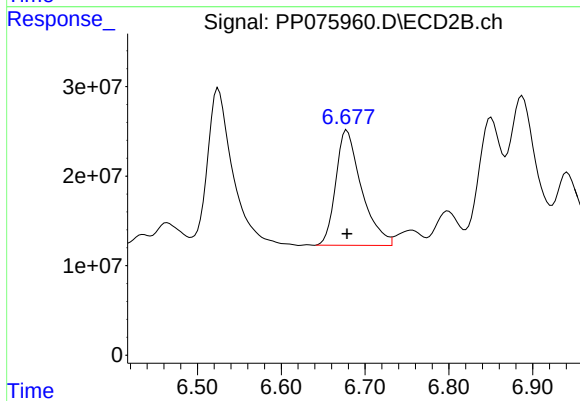
#32 AR-1260-2

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 373757454
Conc: 459.31 ng/ml



#33 AR-1260-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 33664748
Conc: 485.88 ng/ml

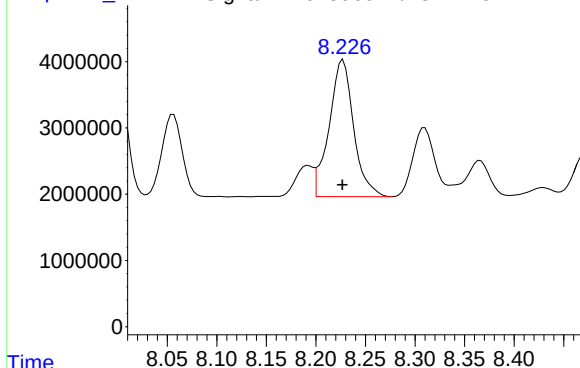


#33 AR-1260-3

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 274876840
Conc: 488.45 ng/ml

Response_ Signal: PP075960.D\ECD1A.ch

#34 AR-1260-4

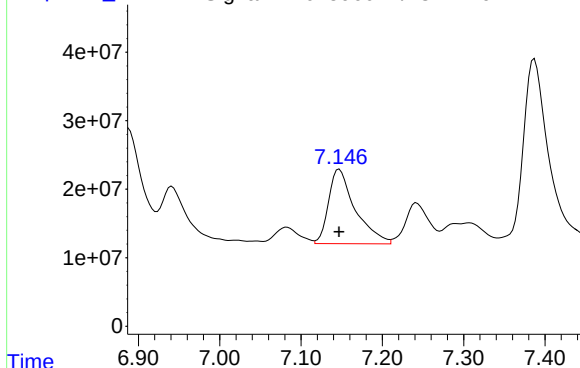


R.T.: 8.227 min
Delta R.T.: 0.000 min
Response: 35502767
Conc: 517.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Time Response_ Signal: PP075960.D\ECD2B.ch

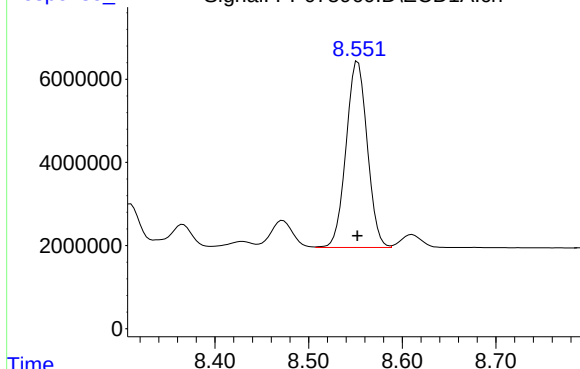
#34 AR-1260-4



R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 247817699
Conc: 477.19 ng/ml

Time Response_ Signal: PP075960.D\ECD1A.ch

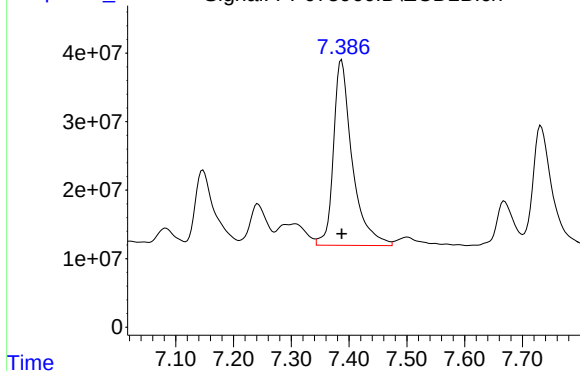
#35 AR-1260-5



R.T.: 8.553 min
Delta R.T.: 0.000 min
Response: 70342258
Conc: 475.44 ng/ml

Time Response_ Signal: PP075960.D\ECD2B.ch

#35 AR-1260-5



R.T.: 7.387 min
Delta R.T.: 0.000 min
Response: 611561191
Conc: 451.15 ng/ml

Analytical Sequence

Client: ICE Service Group, Inc.	SDG No.: Q3399
Project: NWIRP Northrup Grumman Site – Bethpage	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/21/2025 10/21/2025

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	10/21/2025	08:49	PP075887.D	10.42	4.64
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	10.42	4.65
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	10.42	4.64
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	10.42	4.64
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	10.42	4.65
AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	10.42	4.65
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	10.42	4.64
AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	10.42	4.64
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	10.42	4.65
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	10.42	4.64
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	10.42	4.65
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	10.42	4.65
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	10.42	4.65
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	10.43	4.65
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	10.42	4.64
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	10.42	4.65
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	10.42	4.65
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	10.42	4.65
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	10.42	4.65
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	10.42	4.64
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	10.42	4.65
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	10.42	4.65
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	10.42	4.64
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	10.43	4.65
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	10.42	4.65
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	10.42	4.65
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	10.42	4.65
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	10.43	4.65
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	10.42	4.65
AR1660CCC500	AR1660CCC500	10/22/2025	14:56	PP075936.D	10.43	4.65
IBLK	IBLK	10/22/2025	16:01	PP075940.D	10.43	4.65
COMP-ROLLOFF	Q3399-01	10/22/2025	18:27	PP075949.D	10.43	4.65
AR1660CCC500	AR1660CCC500	10/22/2025	19:33	PP075950.D	10.43	4.65
IBLK	IBLK	10/22/2025	21:10	PP075954.D	10.42	4.64
PB170204BL	PB170204BL	10/22/2025	21:26	PP075955.D	10.42	4.64
PB170204BS	PB170204BS	10/22/2025	21:43	PP075956.D	10.42	4.65
NB-08-10212025MS	Q3416-01MS	10/22/2025	22:15	PP075958.D	10.42	4.64
NB-08-10212025MSD	Q3416-01MSD	10/22/2025	22:31	PP075959.D	10.42	4.65
AR1660CCC500	AR1660CCC500	10/22/2025	23:37	PP075960.D	10.42	4.64
IBLK	IBLK	10/23/2025	01:14	PP075964.D	10.42	4.64

Analytical Sequence

Client: ICE Service Group, Inc.	SDG No.: Q3399
Project: NWIRP Northrup Grumman Site – Bethpage	Instrument ID: ECD_P
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/21/2025 10/21/2025

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	10/21/2025	08:49	PP075887.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	8.78	3.78
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	8.78	3.78
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	8.78	3.78
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	8.78	3.78
AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	8.78	3.78
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	8.78	3.78
AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	8.78	3.78
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	8.78	3.78
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	8.79	3.78
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	8.78	3.78
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	8.78	3.78
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	8.78	3.78
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	8.78	3.78
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	8.78	3.78
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	8.78	3.78
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	8.78	3.78
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	8.79	3.79
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	8.78	3.78
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	8.78	3.78
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	8.79	3.79
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	8.79	3.78
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	8.78	3.78
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	8.79	3.79
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	8.79	3.79
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/22/2025	14:56	PP075936.D	8.79	3.78
IBLK	IBLK	10/22/2025	16:01	PP075940.D	8.79	3.78
COMP-ROLLOFF	Q3399-01	10/22/2025	18:27	PP075949.D	8.79	3.78
AR1660CCC500	AR1660CCC500	10/22/2025	19:33	PP075950.D	8.78	3.78
IBLK	IBLK	10/22/2025	21:10	PP075954.D	8.78	3.78
PB170204BL	PB170204BL	10/22/2025	21:26	PP075955.D	8.78	3.78
PB170204BS	PB170204BS	10/22/2025	21:43	PP075956.D	8.78	3.78
NB-08-10212025MS	Q3416-01MS	10/22/2025	22:15	PP075958.D	8.78	3.79
NB-08-10212025MSD	Q3416-01MSD	10/22/2025	22:31	PP075959.D	8.78	3.78
AR1660CCC500	AR1660CCC500	10/22/2025	23:37	PP075960.D	8.78	3.78
IBLK	IBLK	10/23/2025	01:14	PP075964.D	8.78	3.78

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170204BS

Lab Name: Alliance
Lab Code: ACE
Lab Sample ID: PB170204BS
Instrument ID (1): ECD_P

Contract: ICES02
SDG NO.: Q3399
Date(s) Analyzed: 10/22/2025 10/22/2025
Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)
Data file PP075956.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.799	5.749	5.849	186	185	4.99
COLUMN 1	2	5.82	5.77	5.87	187		
	3	5.883	5.833	5.933	185		
	4	5.98	5.93	6.03	189		
	5	6.273	6.223	6.323	180		
	1	4.879	4.829	4.929	187		
COLUMN 2	2	4.938	4.888	4.988	178	176	
	3	5.056	5.006	5.106	164		
	4	5.096	5.046	5.146	185		
	5	5.311	5.261	5.361	168		
Aroclor-1260	1	7.391	7.341	7.441	206	193	5.05
COLUMN 1	2	7.644	7.594	7.694	192		
	3	8.002	7.952	8.052	169		
	4	8.229	8.179	8.279	224		
	5	8.555	8.505	8.605	172		
	1	6.339	6.289	6.389	203		
COLUMN 2	2	6.526	6.476	6.576	207	203	
	3	6.679	6.629	6.729	214		
	4	7.148	7.098	7.198	201		
	5	7.388	7.338	7.438	189		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

NB-08-10212025MS

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab Sample ID: Q3416-01MS

Date(s) Analyzed: 10/22/2025 10/22/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP075958.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.796	5.746	5.846	140	141	1.43
COLUMN 1	2	5.818	5.768	5.868	128		
	3	5.881	5.831	5.931	138		
	4	5.978	5.928	6.028	154		
	5	6.27	6.22	6.32	144		
	1	4.88	4.83	4.93	130		
COLUMN 2	2	4.937	4.887	4.987	133	139	
	3	5.058	5.008	5.108	137		
	4	5.1	5.05	5.15	143		
	5	5.312	5.262	5.362	153		
Aroclor-1260	1	7.388	7.338	7.438	161	151	22.06
COLUMN 1	2	7.641	7.591	7.691	153		
	3	8	7.95	8.05	130		
	4	8.227	8.177	8.277	177		
	5	8.553	8.503	8.603	136		
	1	6.341	6.291	6.391	120		
COLUMN 2	2	6.527	6.477	6.577	122	121	
	3	6.68	6.63	6.73	126		
	4	7.149	7.099	7.199	119		
	5	7.389	7.339	7.439	117		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

NB-08-10212025MSD

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab Sample ID: Q3416-01MSD

Date(s) Analyzed: 10/22/2025 10/22/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP075959.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.797	5.747	5.847	138	137	3.72
COLUMN 1	2	5.819	5.769	5.869	126		
	3	5.882	5.832	5.932	135		
	4	5.979	5.929	6.029	148		
	5	6.272	6.222	6.322	136		
	1	4.879	4.829	4.929	125		
COLUMN 2	2	4.938	4.888	4.988	125	132	
	3	5.056	5.006	5.106	131		
	4	5.097	5.047	5.147	143		
	5	5.313	5.263	5.363	136		
Aroclor-1260	1	7.39	7.34	7.44	150	143	20
COLUMN 1	2	7.643	7.593	7.693	143		
	3	8.001	7.951	8.051	123		
	4	8.229	8.179	8.279	168		
	5	8.555	8.505	8.605	129		
	1	6.34	6.29	6.39	117	117	
COLUMN 2	2	6.527	6.477	6.577	123		
	3	6.68	6.63	6.73	122		
	4	7.149	7.099	7.199	115		
	5	7.388	7.338	7.438	109		



QC SAMPLE DATA

- 1
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Report of Analysis

Client: ICE Service Group, Inc.	Date Collected:	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID: PB170204BL	SDG No.:	Q3399
Lab Sample ID: PB170204BL	Matrix:	SOIL
Analytical Method: 8082A	% Solid:	100
Sample Wt/Vol: 30.03 g	Test:	PCB
Prep Method: SW3541	Final Vol: 10000 uL	
	Prep Date 10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	8.30	U	1	3.90	8.30	17.0	ug/kg	10/22/25 21:26	PB170204
11104-28-2	Aroclor-1221	13.0	U	1	4.00	13.0	17.0	ug/kg	10/22/25 21:26	PB170204
11141-16-5	Aroclor-1232	8.30	U	1	3.70	8.30	17.0	ug/kg	10/22/25 21:26	PB170204
53469-21-9	Aroclor-1242	8.30	U	1	4.00	8.30	17.0	ug/kg	10/22/25 21:26	PB170204
12672-29-6	Aroclor-1248	13.0	U	1	5.90	13.0	17.0	ug/kg	10/22/25 21:26	PB170204
11097-69-1	Aroclor-1254	8.30	U	1	3.20	8.30	17.0	ug/kg	10/22/25 21:26	PB170204
37324-23-5	Aroclor-1262	13.0	U	1	5.00	13.0	17.0	ug/kg	10/22/25 21:26	PB170204
11100-14-4	Aroclor-1268	8.30	U	1	3.60	8.30	17.0	ug/kg	10/22/25 21:26	PB170204
11096-82-5	Aroclor-1260	8.30	U	1	3.20	8.30	17.0	ug/kg	10/22/25 21:26	PB170204
SURROGATES										
877-09-8	Tetrachloro-m-xylene	23.3			44 - 130		116%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.9			60 - 125		125%	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

Q3399-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_P\Data\PP102225\
Data File : PP075955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 21:26
Operator : YP\AJ
Sample : PB170204BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170204BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 08:37:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.643	3.783	33227324	139.5E6	23.251	21.081
2) SA Decachlor...	10.419	8.782	26824455	188.9E6	24.918	22.975

Target Compounds

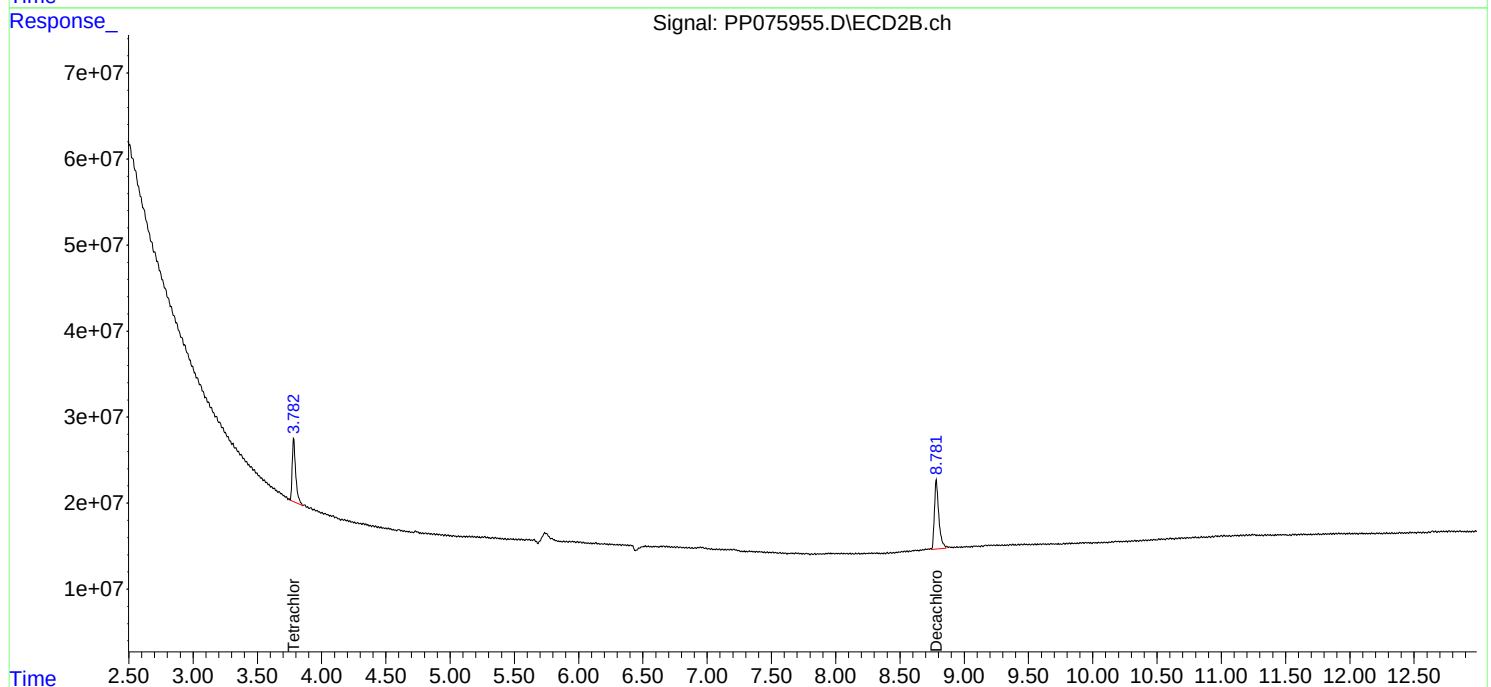
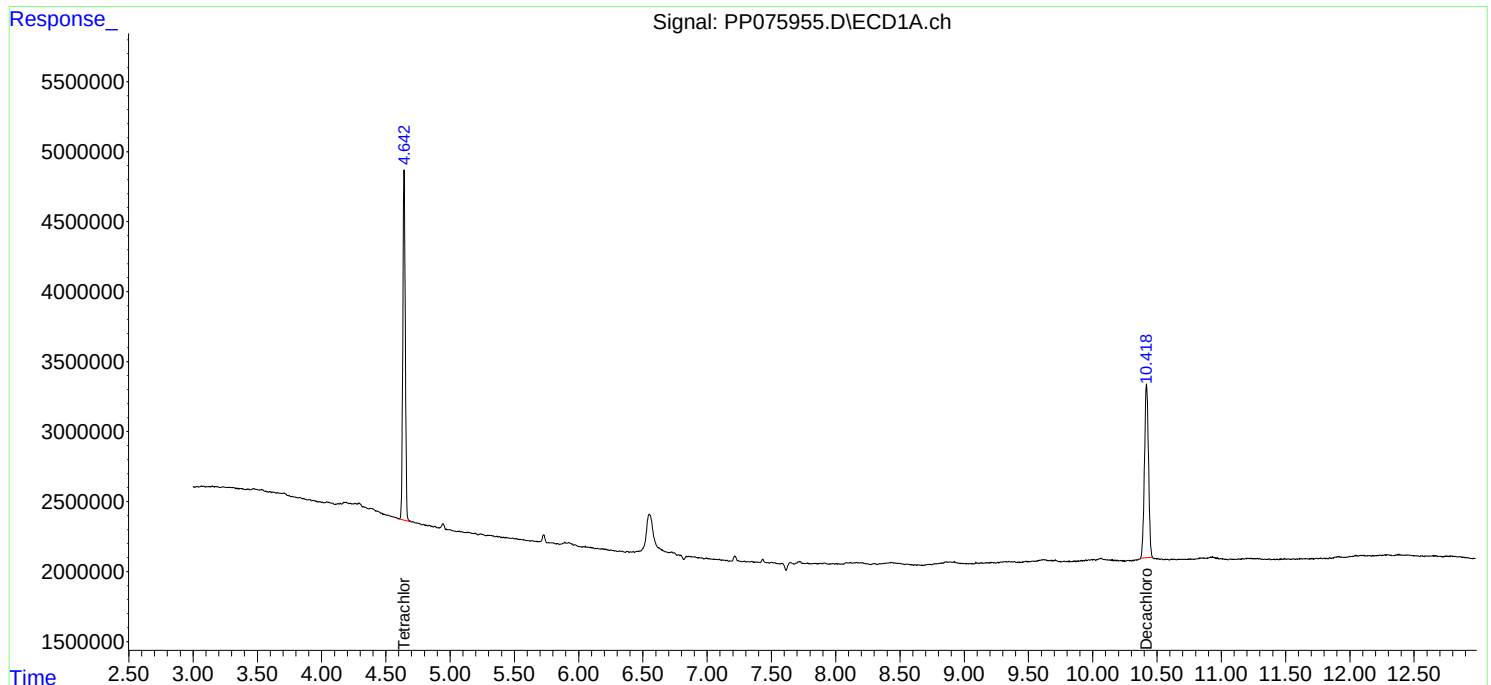
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

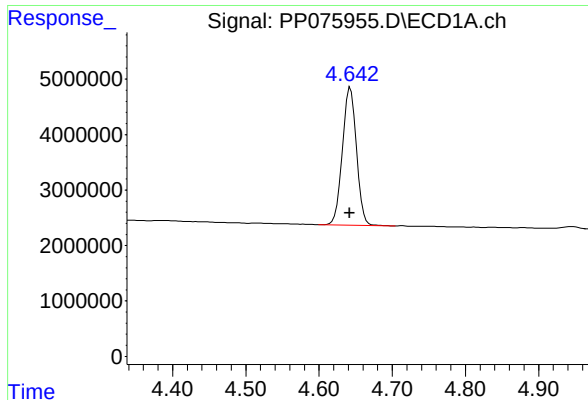
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 21:26
Operator : YP\AJ
Sample : PB170204BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170204BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 08:37:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

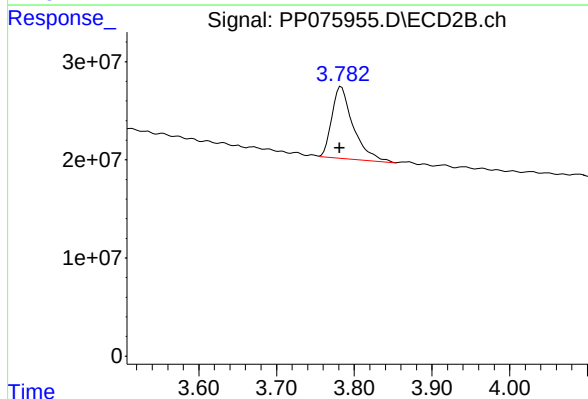




#1 Tetrachloro-m-xylene

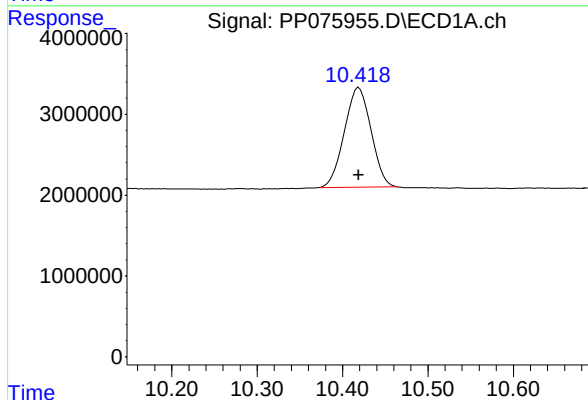
R.T.: 4.643 min
Delta R.T.: 0.000 min
Response: 33227324
Conc: 23.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170204BL



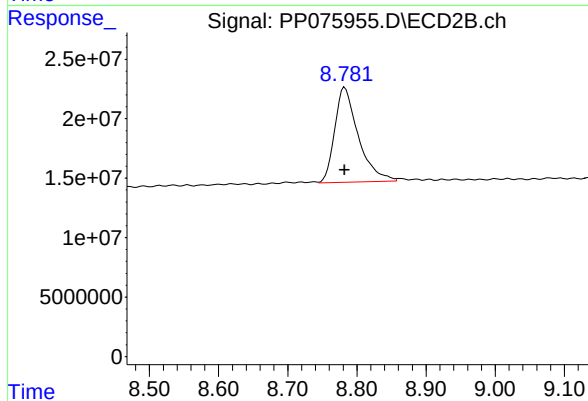
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.002 min
Response: 139516983
Conc: 21.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.419 min
Delta R.T.: 0.000 min
Response: 26824455
Conc: 24.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 188922061
Conc: 22.97 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/21/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/21/25	
Client Sample ID: PIBLK-PP075887.D	SDG No.: Q3399	
Lab Sample ID: I.BLK-PP075887.D	Matrix: WATER	
Analytical Method: 8082A	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL	Test: PCB	
Prep Method:	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/21/25	PP102125
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/21/25	PP102125
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/21/25	PP102125
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/21/25	PP102125
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/21/25	PP102125
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/21/25	PP102125
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/21/25	PP102125
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/21/25	PP102125
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/21/25	PP102125
SURROGATES										
877-09-8	Tetrachloro-m-xylene	18.8			60 - 140		94%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.3			60 - 140		96%	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

Q3399-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_P\Data\PP102125\
Data File : PP075887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 08:49
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:26:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.644	3.783	28503905	124.7E6	19.945	18.843
2) SA Decachlor...	10.419	8.784	21974278	158.6E6	20.412m	19.281

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102125\
Data File : PP075887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2025 08:49
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

I.BLK

Manual Integrations

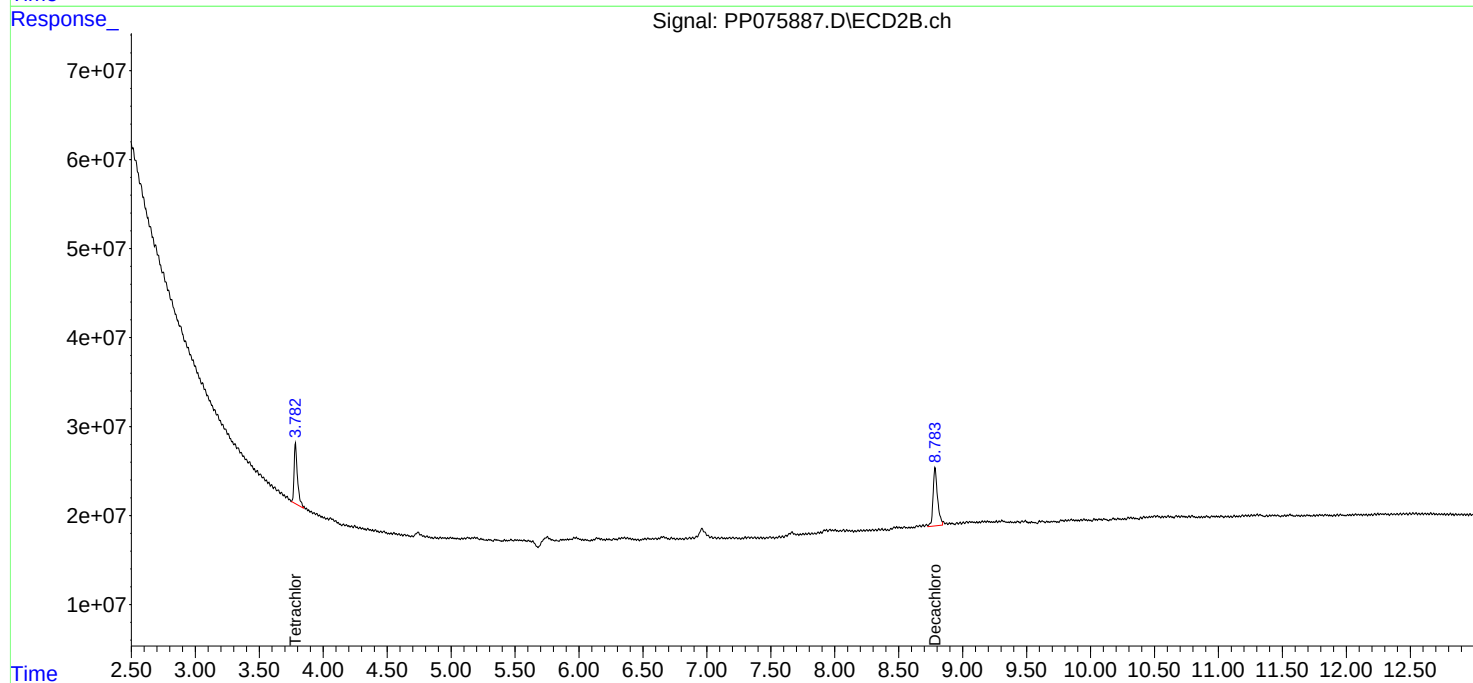
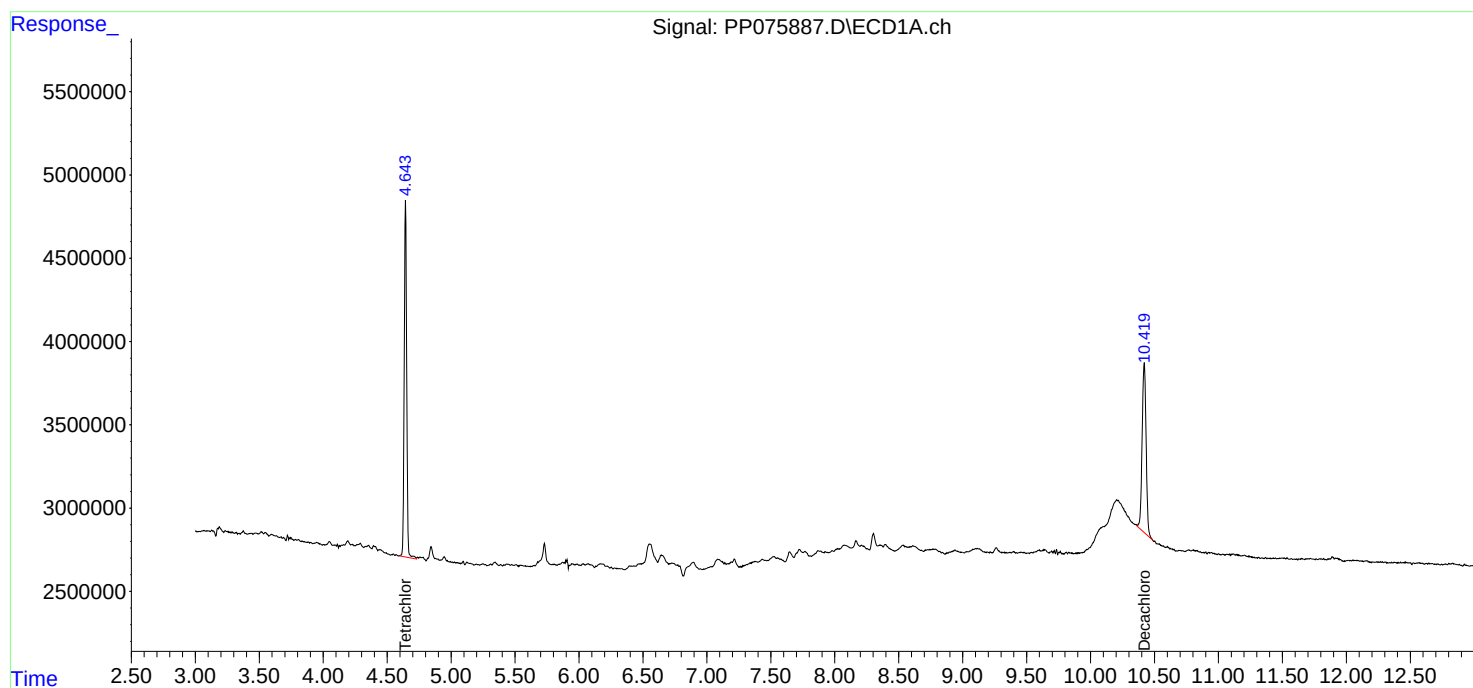
APPROVED

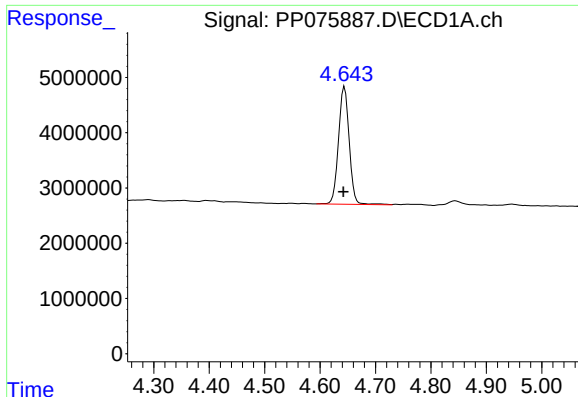
Reviewed By :Yogesh Patel 10/22/2025

Supervised By :mohammad ahmed 10/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 21 18:26:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





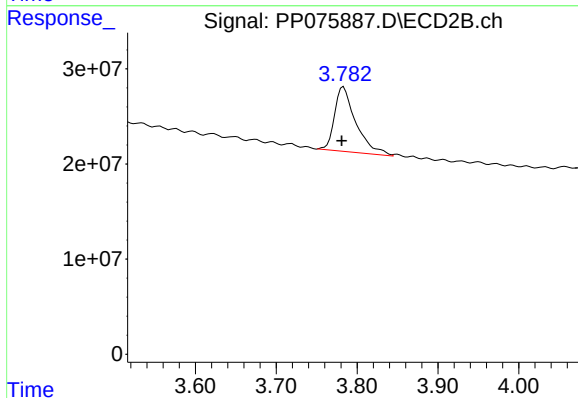
#1 Tetrachloro-m-xylene

R.T.: 4.644 min
Delta R.T.: 0.002 min
Response: 28503905
Conc: 19.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

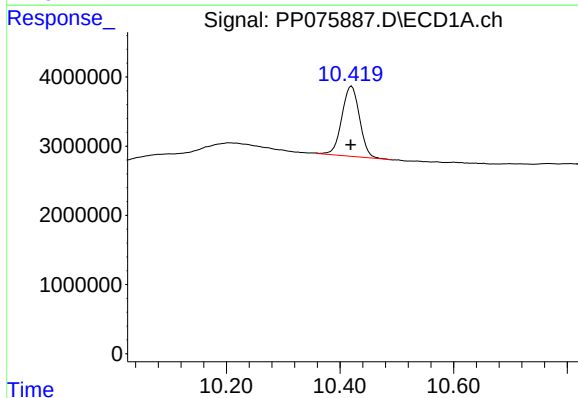
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/22/2025
Supervised By :mohammad ahmed 10/25/2025



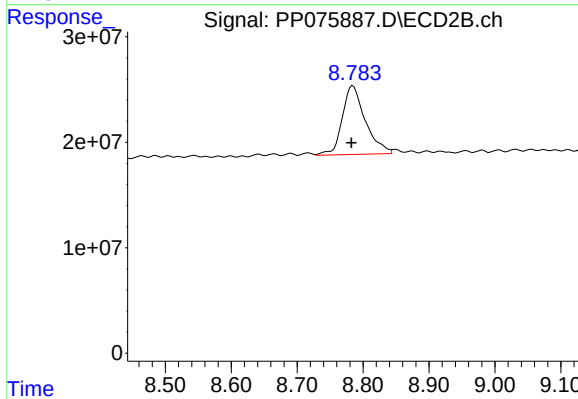
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.002 min
Response: 124709992
Conc: 18.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.419 min
Delta R.T.: 0.000 min
Response: 21974278
Conc: 20.41 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.784 min
Delta R.T.: 0.002 min
Response: 158550080
Conc: 19.28 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/22/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/22/25	
Client Sample ID: PIBLK-PP075940.D	SDG No.: Q3399	
Lab Sample ID: I.BLK-PP075940.D	Matrix: WATER	
Analytical Method: 8082A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: PCB	Final Vol: 10000 uL
Prep Method:		Prep Date

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/22/25	pp102225
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/22/25	pp102225
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/22/25	pp102225
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/22/25	pp102225
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/22/25	pp102225
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/22/25	pp102225
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/22/25	pp102225
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/22/25	pp102225
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/22/25	pp102225
SURROGATES										
877-09-8	Tetrachloro-m-xylene	17.2			60 - 140		86%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.6			60 - 140		93%	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

Q3399-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_P\Data\PP102225\
Data File : PP075940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 16:01
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.646	3.784	28335477	114.0E6	19.828	17.222
2)	SA Decachlor...	10.425	8.785	22163011	153.0E6	20.588	18.607

Target Compounds

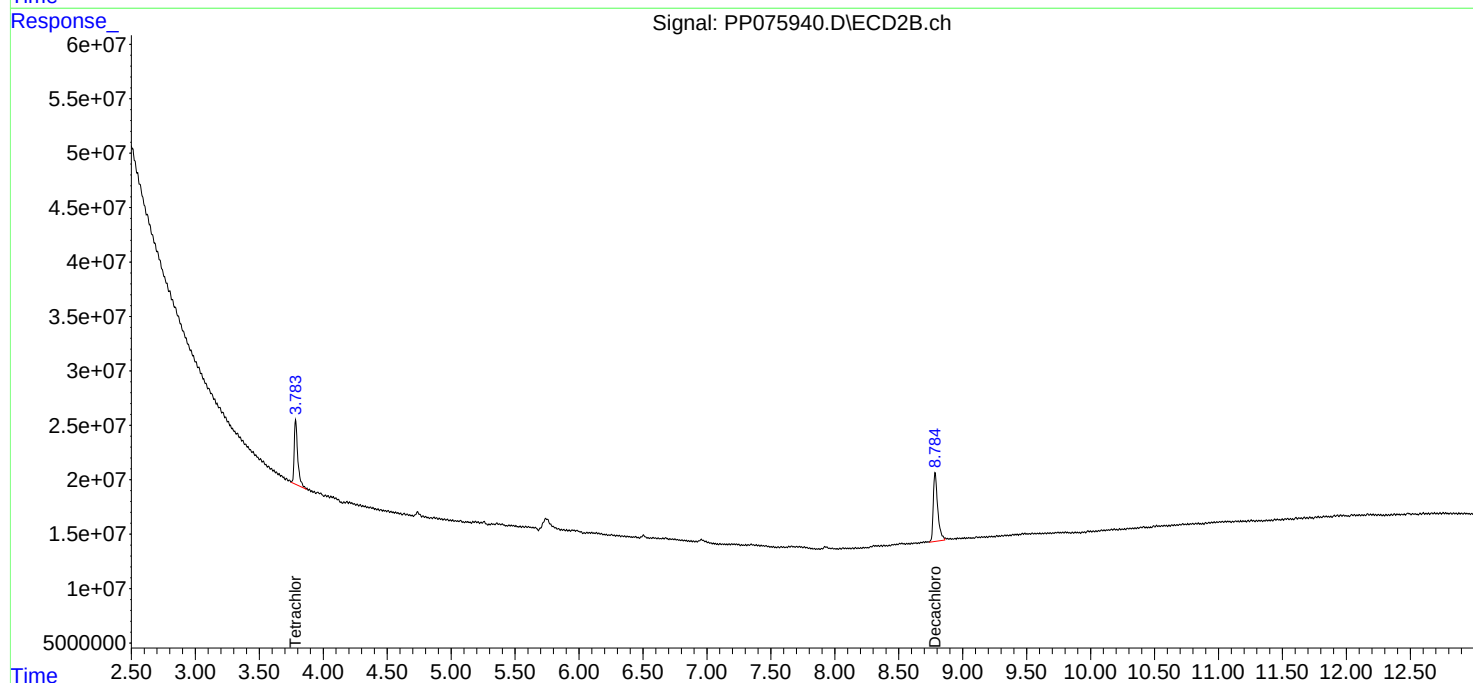
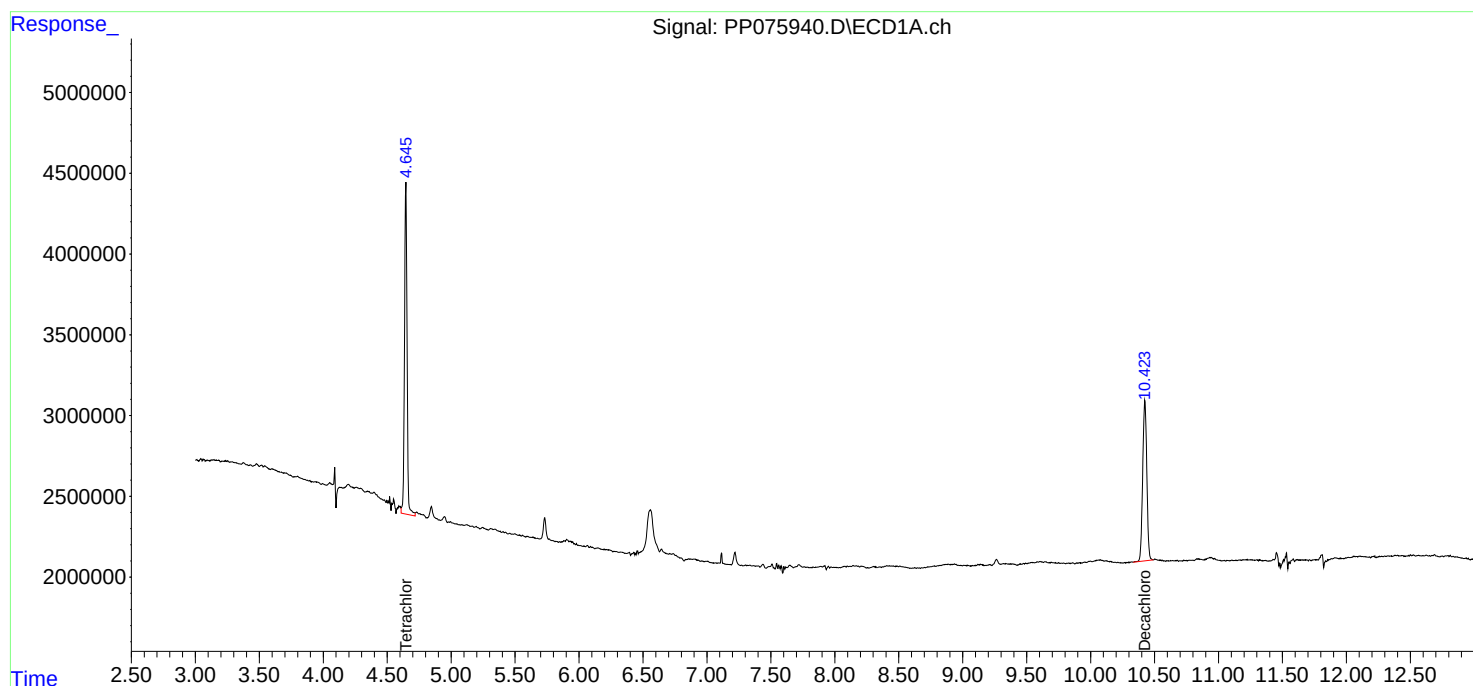
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

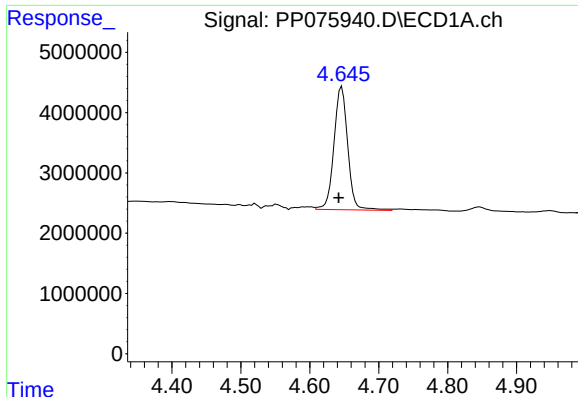
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 16:01
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

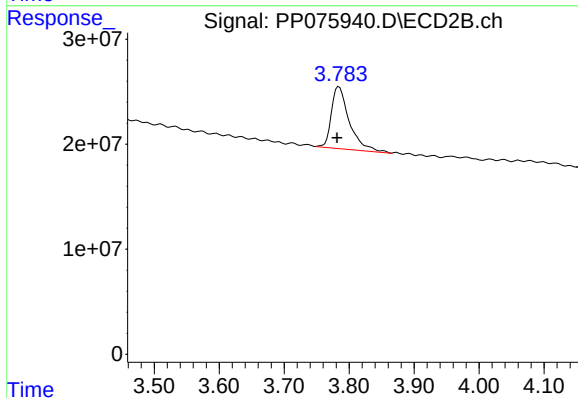




#1 Tetrachloro-m-xylene

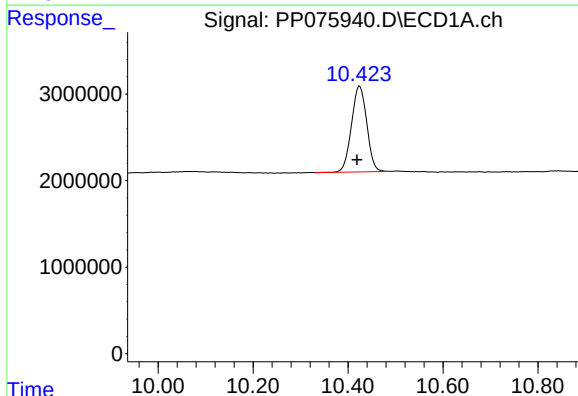
R.T.: 4.646 min
Delta R.T.: 0.004 min
Response: 28335477
Conc: 19.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



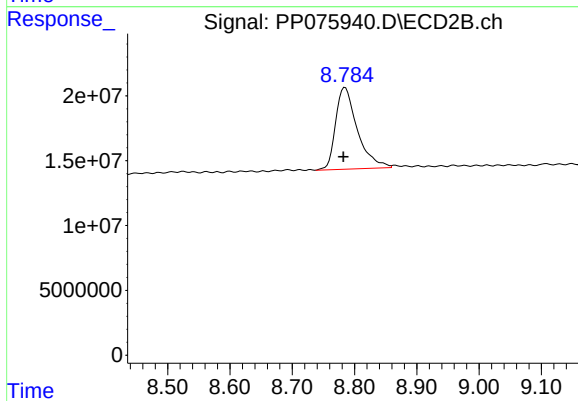
#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.003 min
Response: 113978052
Conc: 17.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.425 min
Delta R.T.: 0.006 min
Response: 22163011
Conc: 20.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.003 min
Response: 153008952
Conc: 18.61 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/22/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/22/25	
Client Sample ID: PIBLK-PP075954.D	SDG No.: Q3399	
Lab Sample ID: I.BLK-PP075954.D	Matrix: WATER	
Analytical Method: 8082A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: PCB	Final Vol: 10000 uL
Prep Method:		Prep Date

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/22/25	pp102225
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/22/25	pp102225
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/22/25	pp102225
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/22/25	pp102225
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/22/25	pp102225
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/22/25	pp102225
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/22/25	pp102225
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/22/25	pp102225
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/22/25	pp102225
SURROGATES										
877-09-8	Tetrachloro-m-xylene	17.3			60 - 140		87%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.5			60 - 140		98%	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

Q3399-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_P\Data\PP102225\
Data File : PP075954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 21:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:37:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachlo...	4.640	3.782	27507333	114.6E6	19.248	17.314
2) SA Decachlor...	10.416	8.782	22942289	160.7E6	21.311	19.544

Target Compounds

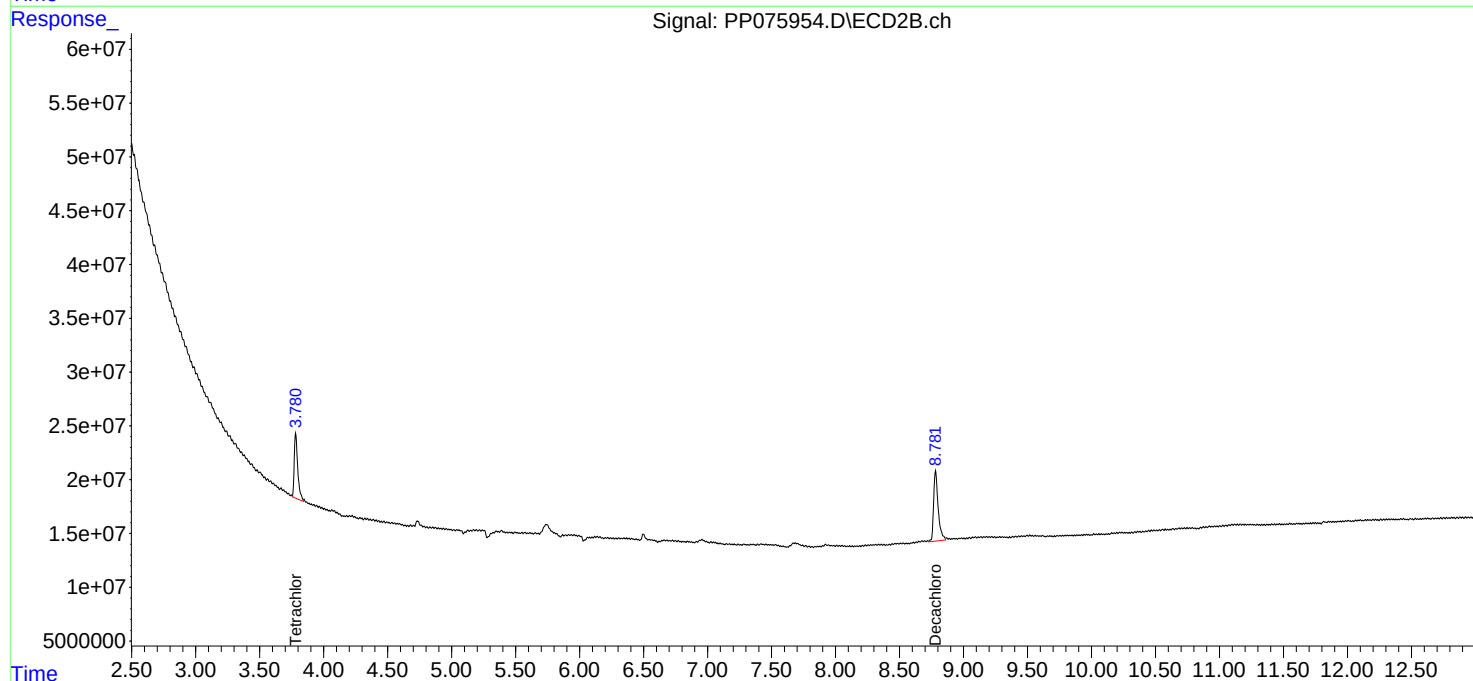
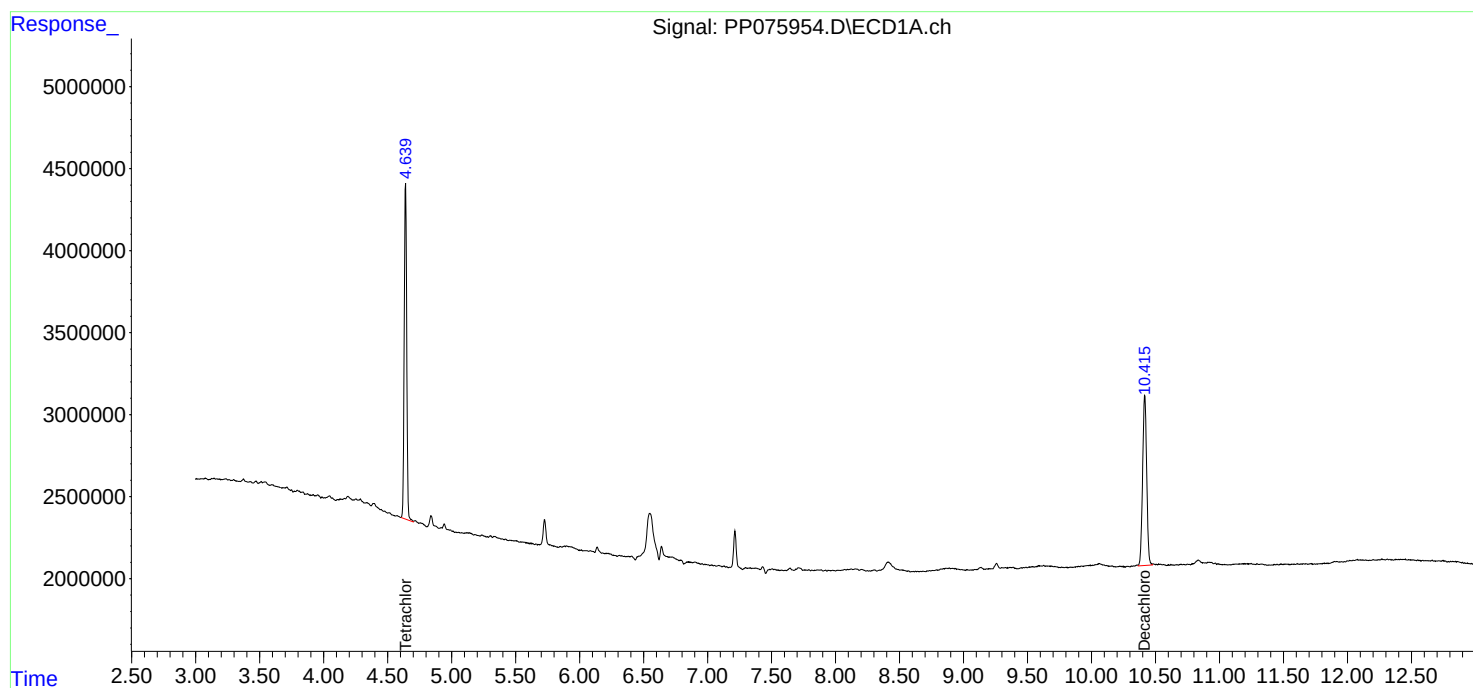
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

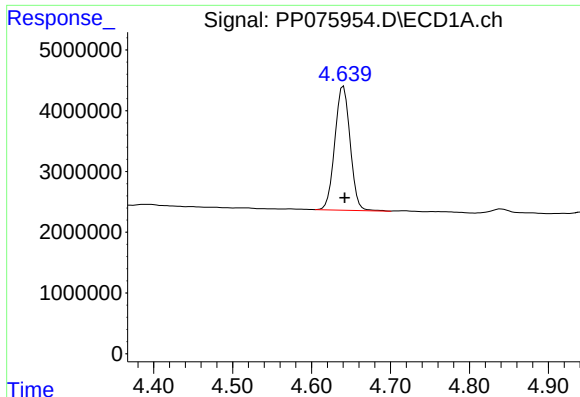
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 21:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:37:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

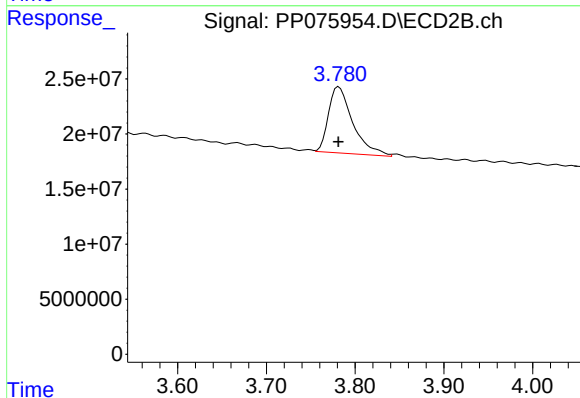




#1 Tetrachloro-m-xylene

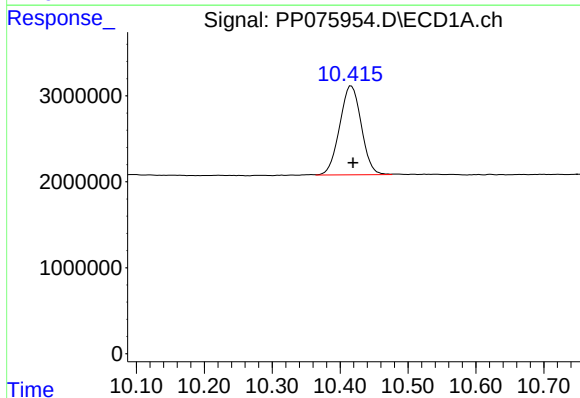
R.T.: 4.640 min
Delta R.T.: -0.002 min
Response: 27507333
Conc: 19.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



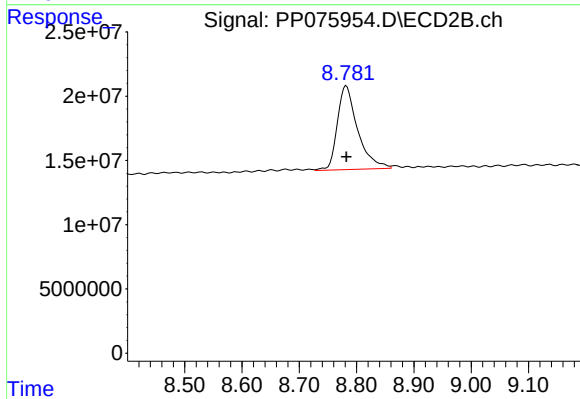
#1 Tetrachloro-m-xylene

R.T.: 3.782 min
Delta R.T.: 0.000 min
Response: 114589743
Conc: 17.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.416 min
Delta R.T.: -0.002 min
Response: 22942289
Conc: 21.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 160713854
Conc: 19.54 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/23/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/23/25	
Client Sample ID: PIBLK-PP075964.D	SDG No.: Q3399	
Lab Sample ID: I.BLK-PP075964.D	Matrix: WATER	
Analytical Method: 8082A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: PCB	Final Vol: 10000 uL
Prep Method:		Prep Date

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	0.25	U	1	0.097	0.25	0.50	ug/L	10/23/25	pp102225
11104-28-2	Aroclor-1221	0.40	U	1	0.13	0.40	0.50	ug/L	10/23/25	pp102225
11141-16-5	Aroclor-1232	0.25	U	1	0.096	0.25	0.50	ug/L	10/23/25	pp102225
53469-21-9	Aroclor-1242	0.25	U	1	0.12	0.25	0.50	ug/L	10/23/25	pp102225
12672-29-6	Aroclor-1248	0.25	U	1	0.071	0.25	0.50	ug/L	10/23/25	pp102225
11097-69-1	Aroclor-1254	0.25	U	1	0.094	0.25	0.50	ug/L	10/23/25	pp102225
11096-82-5	Aroclor-1260	0.25	U	1	0.081	0.25	0.50	ug/L	10/23/25	pp102225
37324-23-5	Aroclor-1262	0.40	U	1	0.14	0.40	0.50	ug/L	10/23/25	pp102225
11100-14-4	Aroclor-1268	0.25	U	1	0.11	0.25	0.50	ug/L	10/23/25	pp102225
SURROGATES										
877-09-8	Tetrachloro-m-xylene	17.9			60 - 140		90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.6			60 - 140		83%	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

Q3399-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_P\Data\PP102225\
Data File : PP075964.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 01:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:40:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.642	3.781	27835377	118.7E6	19.478	17.933
2)	SA Decachlor...	10.418	8.782	22416530	136.4E6	20.823	16.582

Target Compounds

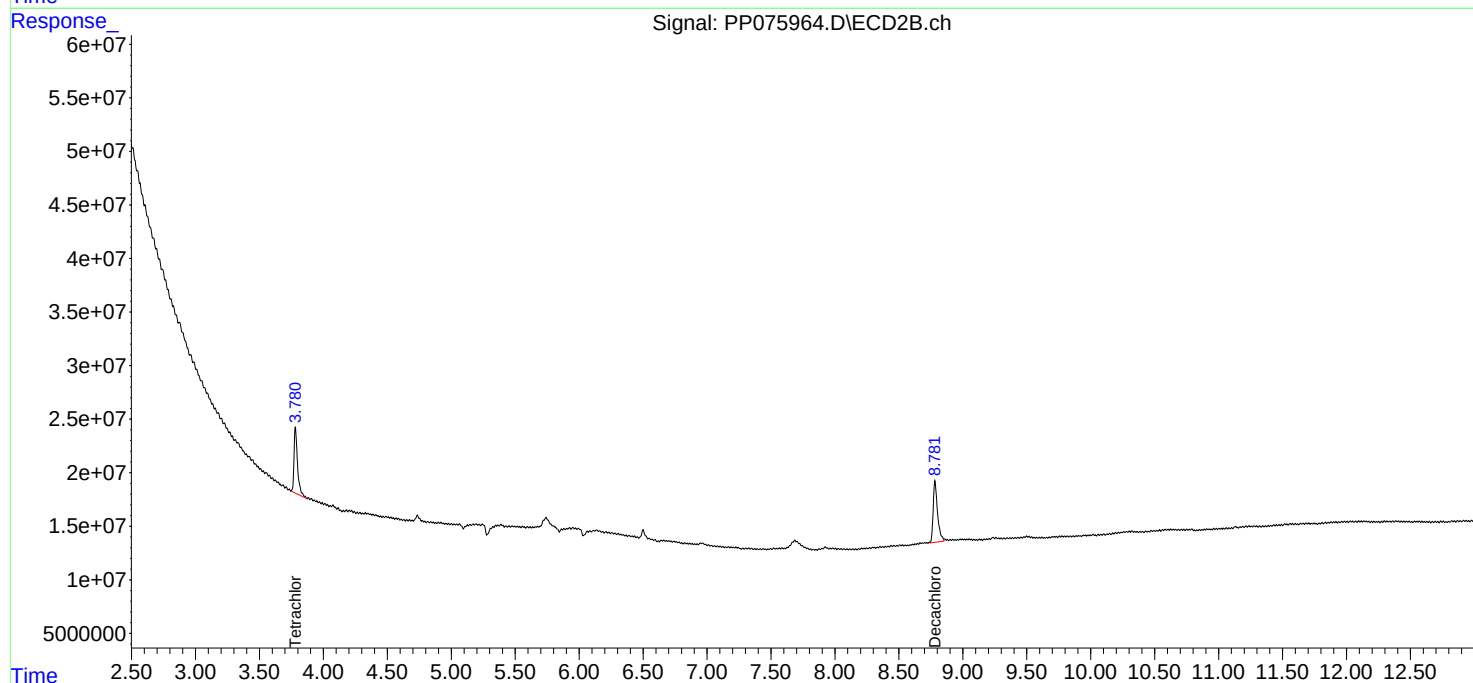
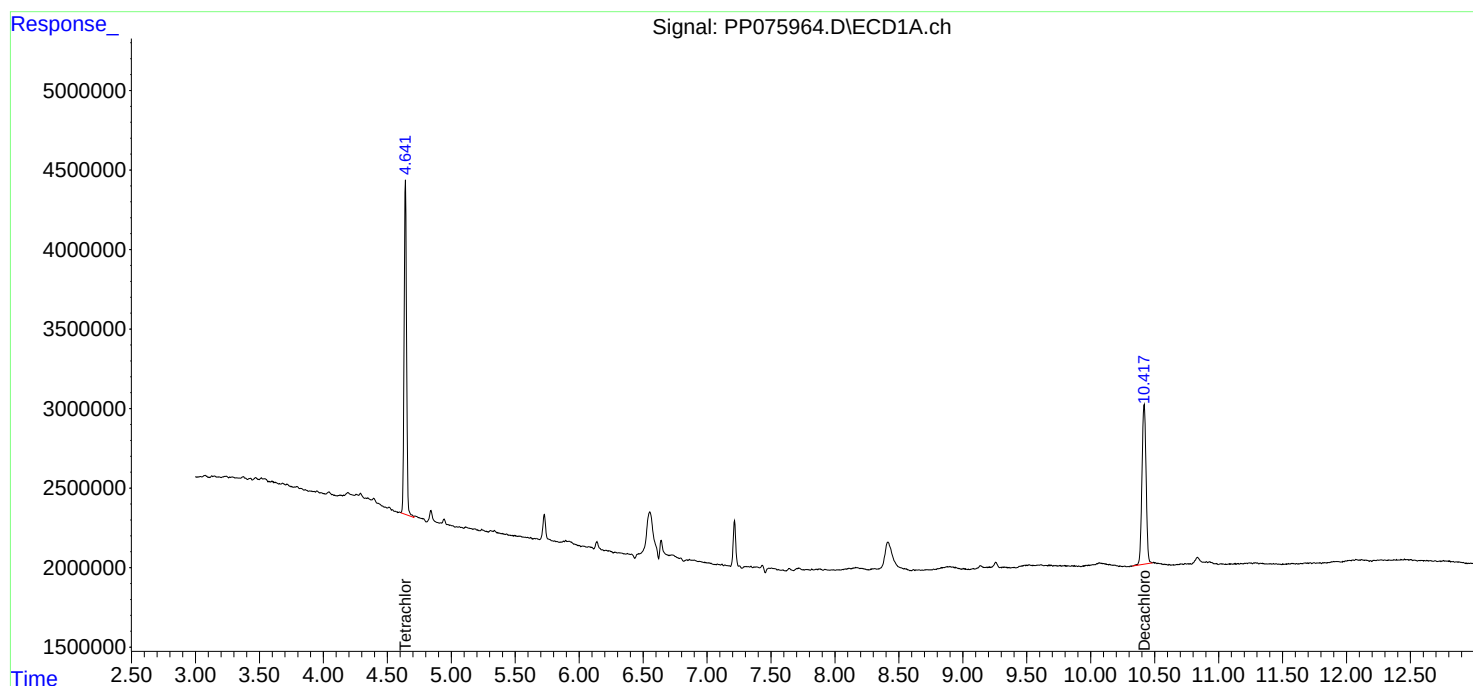
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075964.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 01:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

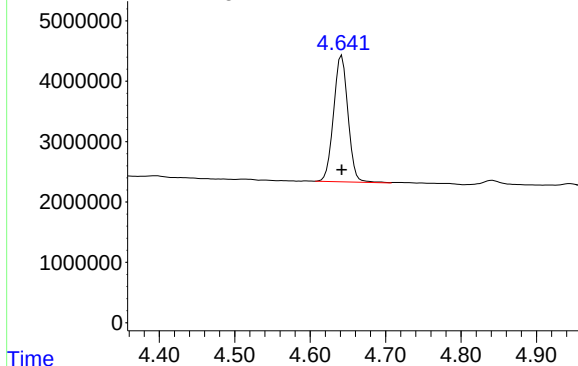
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:40:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PP075964.D\ECD1A.ch

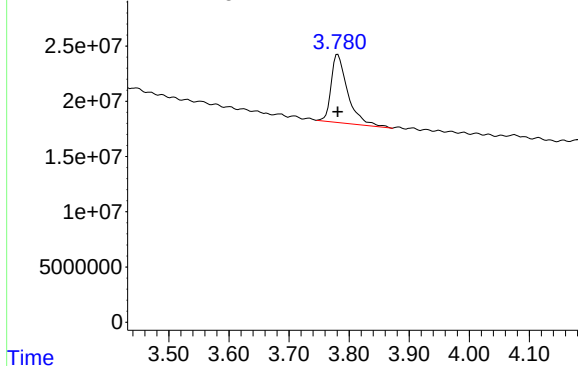


#1 Tetrachloro-m-xylene

R.T.: 4.642 min
Delta R.T.: 0.000 min
Response: 27835377
Conc: 19.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

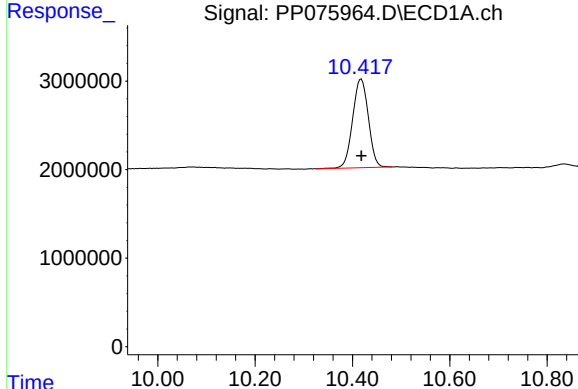
Response_ Signal: PP075964.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.781 min
Delta R.T.: 0.000 min
Response: 118686288
Conc: 17.93 ng/ml

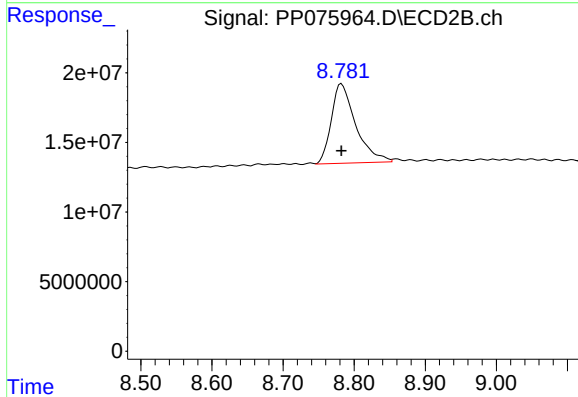
Response_ Signal: PP075964.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.418 min
Delta R.T.: 0.000 min
Response: 22416530
Conc: 20.82 ng/ml

Response_ Signal: PP075964.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 136355677
Conc: 16.58 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected:	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID: PB170204BS	SDG No.:	Q3399
Lab Sample ID: PB170204BS	Matrix:	SOIL
Analytical Method: 8082A	% Solid:	100
Sample Wt/Vol: 30.02 g	Test:	PCB
Prep Method: SW3541	Final Vol: 10000 uL	
	Prep Date 10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	185		1	3.90	8.30	17.0	ug/kg	10/22/25 21:43	PB170204
11104-28-2	Aroclor-1221	13.0	U	1	4.00	13.0	17.0	ug/kg	10/22/25 21:43	PB170204
11141-16-5	Aroclor-1232	8.30	U	1	3.70	8.30	17.0	ug/kg	10/22/25 21:43	PB170204
53469-21-9	Aroclor-1242	8.30	U	1	4.00	8.30	17.0	ug/kg	10/22/25 21:43	PB170204
12672-29-6	Aroclor-1248	13.0	U	1	5.90	13.0	17.0	ug/kg	10/22/25 21:43	PB170204
11097-69-1	Aroclor-1254	8.30	U	1	3.20	8.30	17.0	ug/kg	10/22/25 21:43	PB170204
37324-23-5	Aroclor-1262	13.0	U	1	5.00	13.0	17.0	ug/kg	10/22/25 21:43	PB170204
11100-14-4	Aroclor-1268	8.30	U	1	3.60	8.30	17.0	ug/kg	10/22/25 21:43	PB170204
11096-82-5	Aroclor-1260	203		1	3.20	8.30	17.0	ug/kg	10/22/25 21:43	PB170204
SURROGATES										
877-09-8	Tetrachloro-m-xylene	24.0			44 - 130		120%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.8			60 - 125		124%	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

Q3399-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_P\Data\PP102225\
 Data File : PP075956.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 21:43
 Operator : YP\AJ
 Sample : PB170204BS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB170204BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 01 08:08:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Oct 24 15:40:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.646	3.783	34323783	144.6E6	24.018	21.842
2) SA Decachlor...	10.422	8.782	26699521	190.2E6	24.802	23.131
Target Compounds						
3) L1 AR-1016-1	5.799	4.879	33059829	415.0E6	559.141	560.707
4) L1 AR-1016-2	5.820	4.938	49640848	182.5E6	561.268	533.631
5) L1 AR-1016-3	5.883	5.056	30760104	101.1E6	555.728	492.565
6) L1 AR-1016-4	5.980	5.096	25723565	103.7E6	566.097	554.878
7) L1 AR-1016-5	6.273	5.311	23454071	115.0E6	540.348	504.553
31) L7 AR-1260-1	7.391	6.339	42616409	334.0E6	619.815	609.835
32) L7 AR-1260-2	7.644	6.526	51722621	505.6E6	577.408	621.295
33) L7 AR-1260-3	8.002	6.679	35058707	361.2E6	505.996	641.804 #
34) L7 AR-1260-4	8.229	7.148	46181405	313.8E6	673.479	604.206
35) L7 AR-1260-5	8.555	7.388	76187356	767.2E6	514.948	565.940

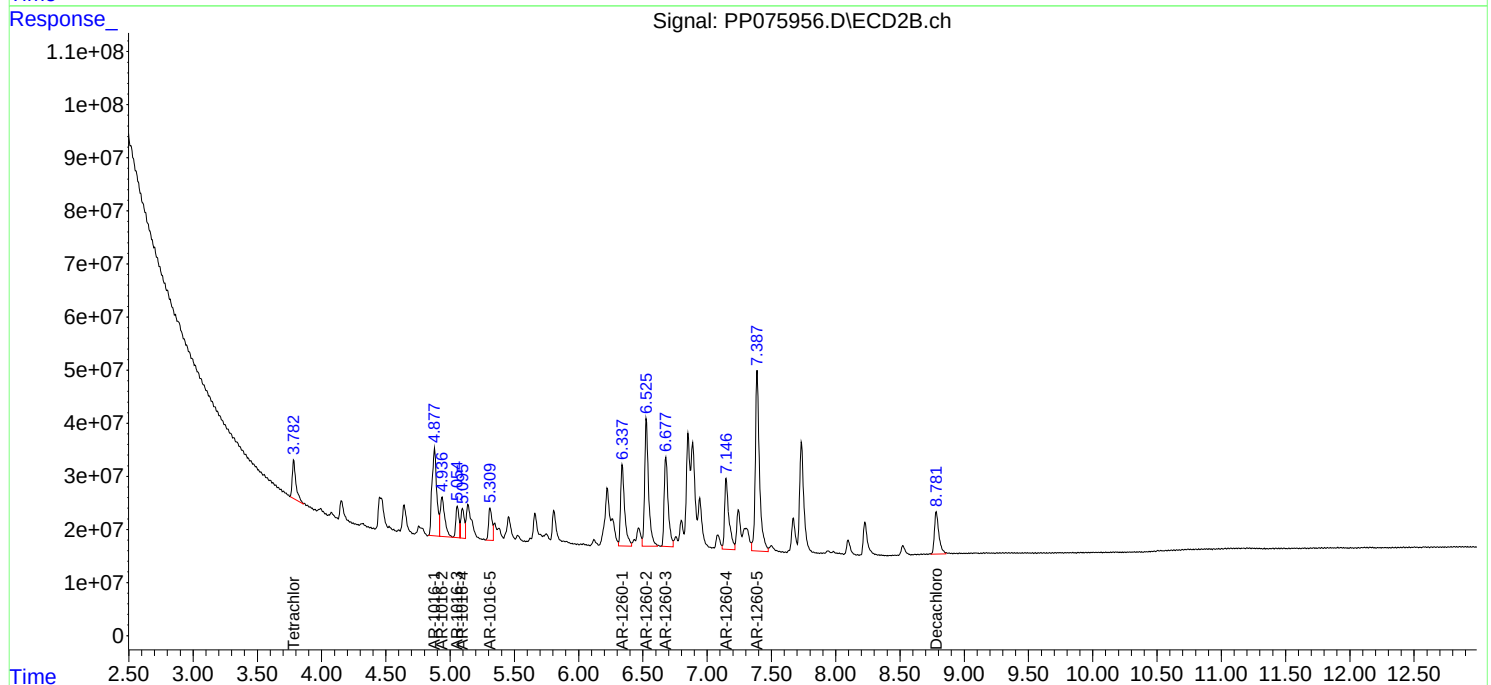
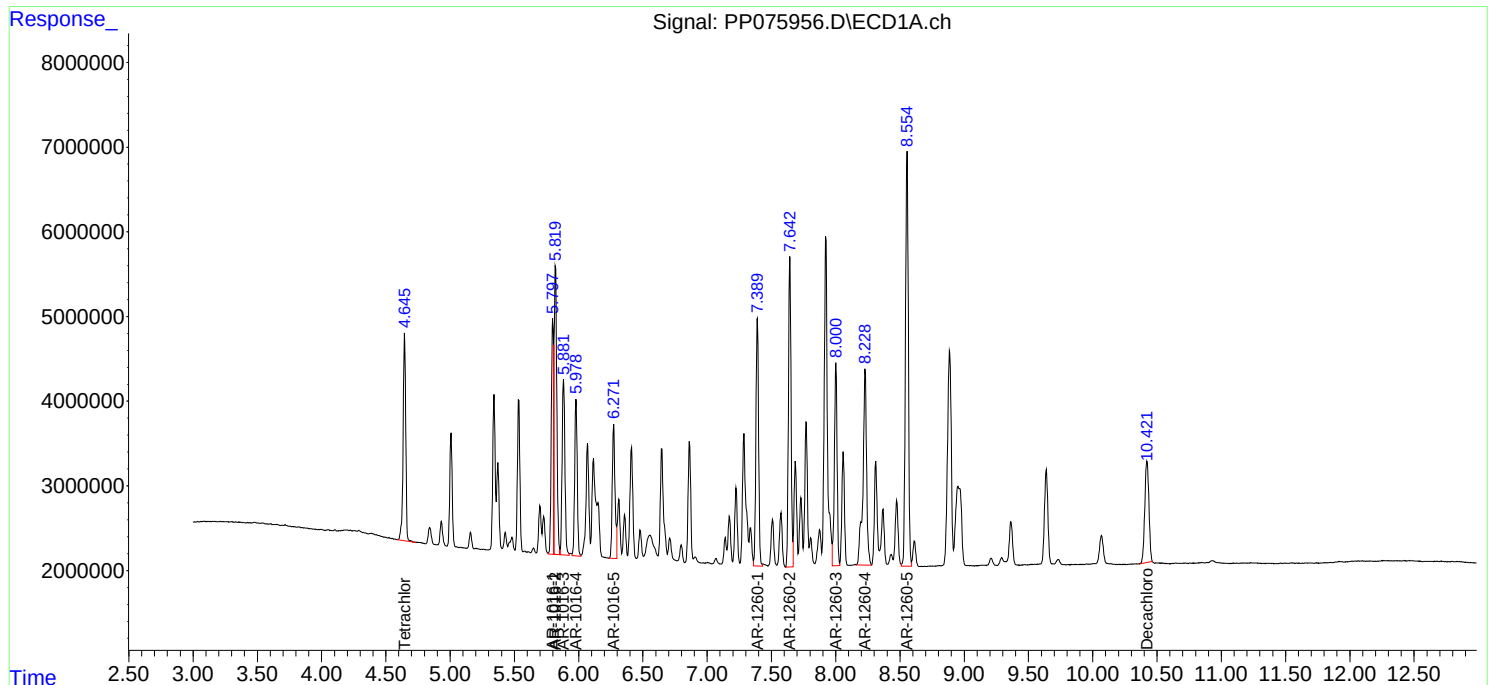
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

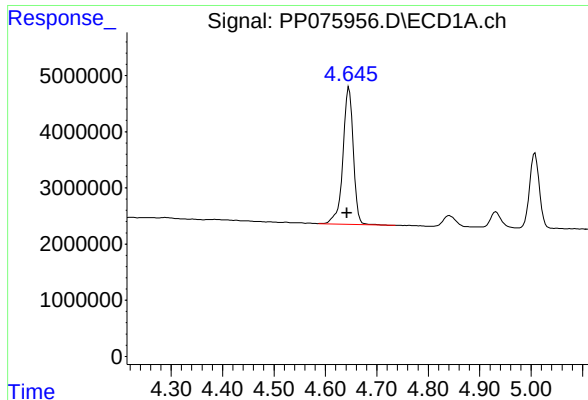
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 21:43
Operator : YP\AJ
Sample : PB170204BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170204BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 08:08:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Oct 24 15:40:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

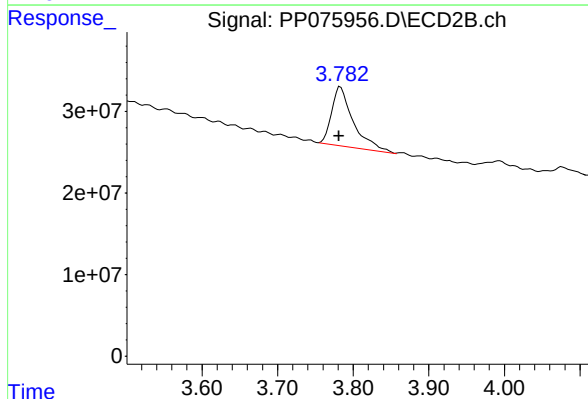




#1 Tetrachloro-m-xylene

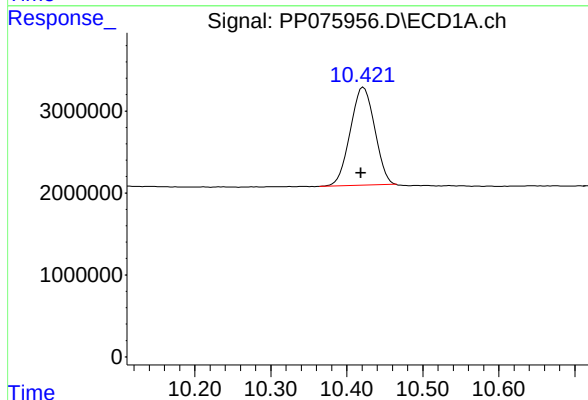
R.T.: 4.646 min
Delta R.T.: 0.004 min
Response: 34323783
Conc: 24.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170204BS



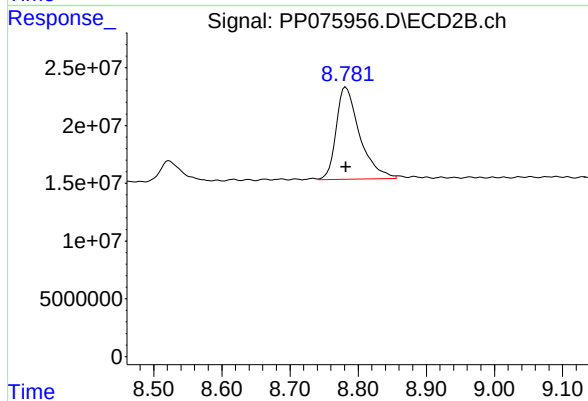
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.002 min
Response: 144556869
Conc: 21.84 ng/ml



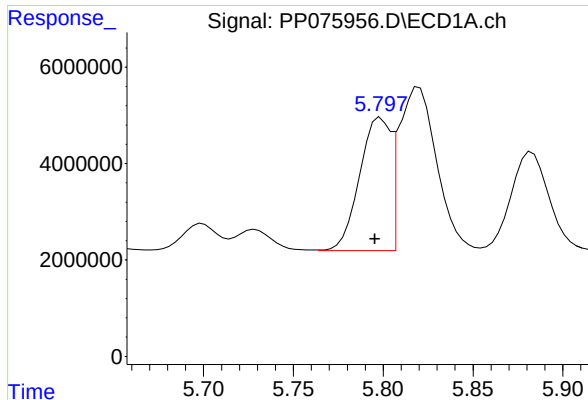
#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: 0.003 min
Response: 26699521
Conc: 24.80 ng/ml



#2 Decachlorobiphenyl

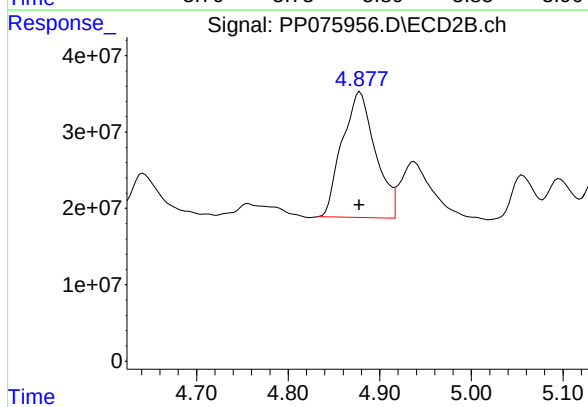
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 190202644
Conc: 23.13 ng/ml



#3 AR-1016-1

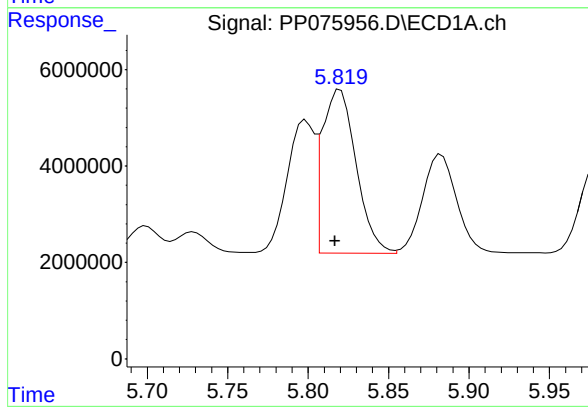
R.T.: 5.799 min
Delta R.T.: 0.003 min
Response: 33059829
Conc: 559.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170204BS



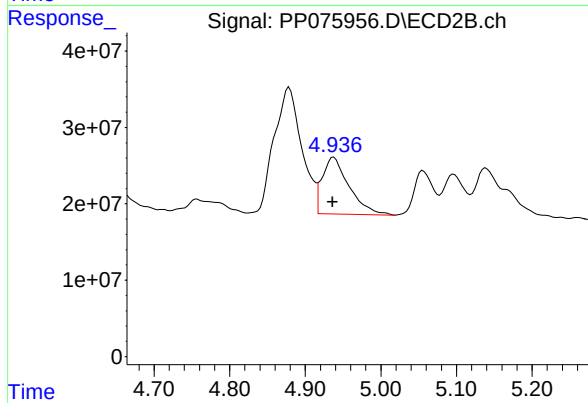
#3 AR-1016-1

R.T.: 4.879 min
Delta R.T.: 0.000 min
Response: 415019358
Conc: 560.71 ng/ml



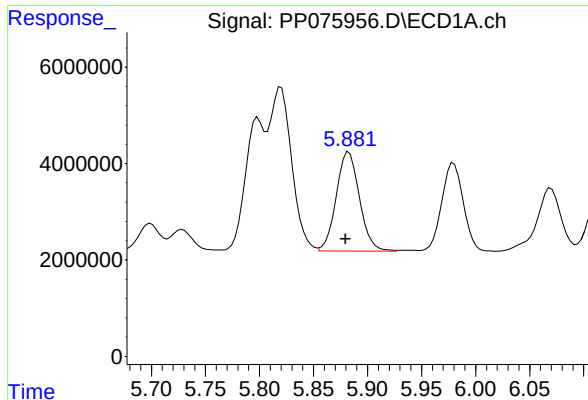
#4 AR-1016-2

R.T.: 5.820 min
Delta R.T.: 0.003 min
Response: 49640848
Conc: 561.27 ng/ml



#4 AR-1016-2

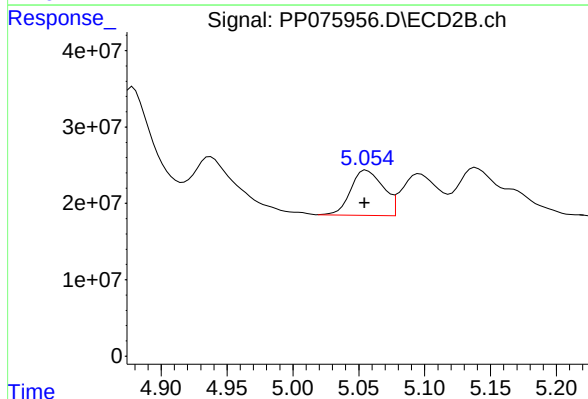
R.T.: 4.938 min
Delta R.T.: 0.002 min
Response: 182465842
Conc: 533.63 ng/ml



#5 AR-1016-3

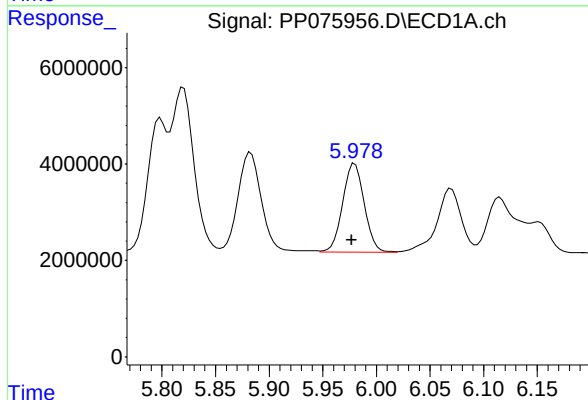
R.T.: 5.883 min
Delta R.T.: 0.003 min
Response: 30760104
Conc: 555.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170204BS



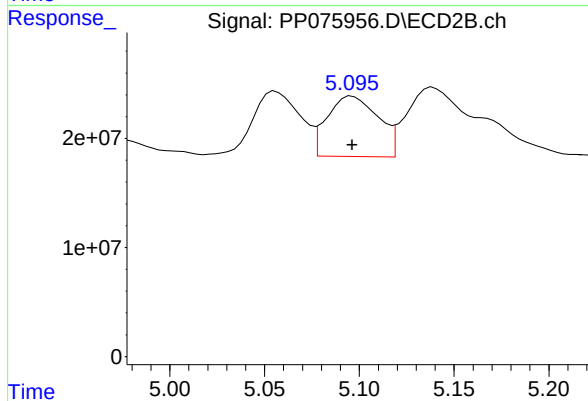
#5 AR-1016-3

R.T.: 5.056 min
Delta R.T.: 0.002 min
Response: 101144503
Conc: 492.56 ng/ml



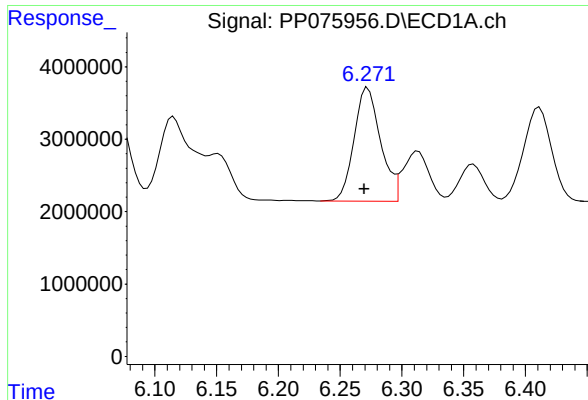
#6 AR-1016-4

R.T.: 5.980 min
Delta R.T.: 0.003 min
Response: 25723565
Conc: 566.10 ng/ml



#6 AR-1016-4

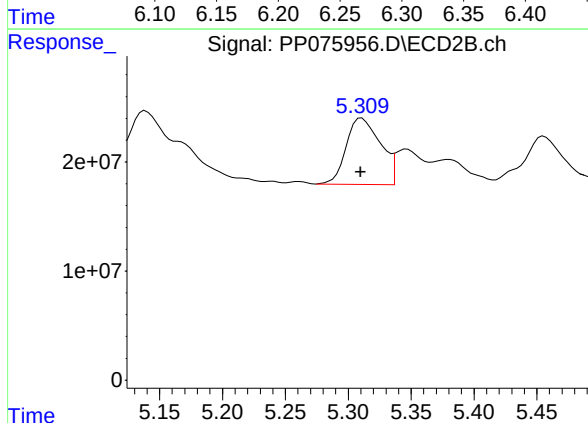
R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 103698699
Conc: 554.88 ng/ml



#7 AR-1016-5

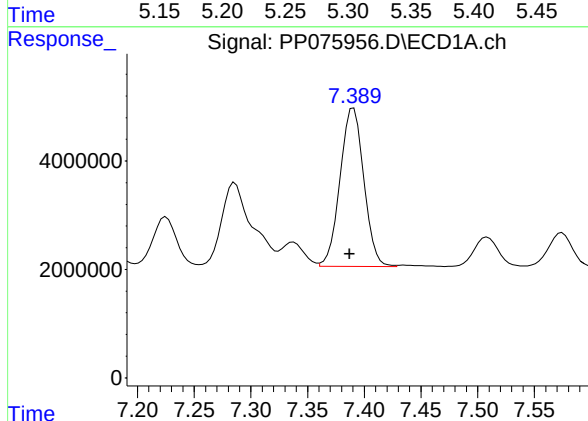
R.T.: 6.273 min
Delta R.T.: 0.003 min
Response: 23454071
Conc: 540.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170204BS



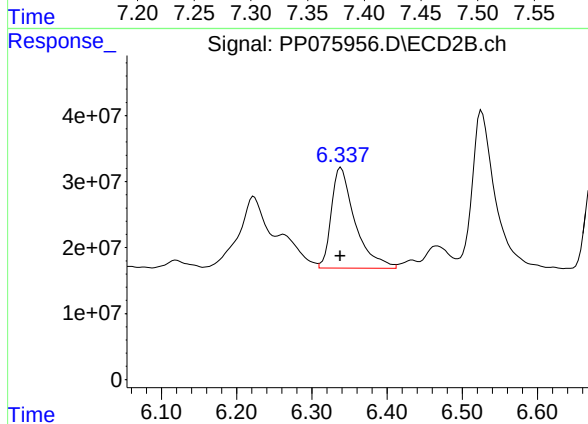
#7 AR-1016-5

R.T.: 5.311 min
Delta R.T.: 0.000 min
Response: 115029447
Conc: 504.55 ng/ml



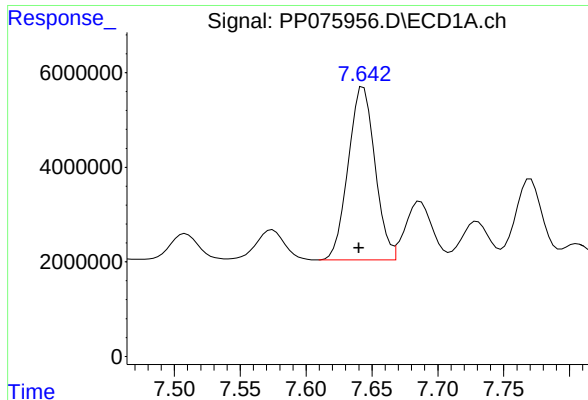
#31 AR-1260-1

R.T.: 7.391 min
Delta R.T.: 0.003 min
Response: 42616409
Conc: 619.82 ng/ml



#31 AR-1260-1

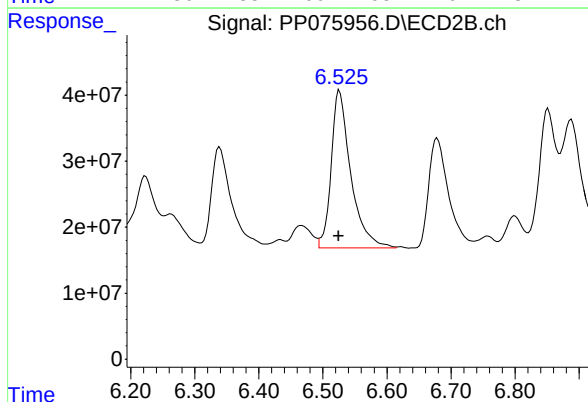
R.T.: 6.339 min
Delta R.T.: 0.001 min
Response: 334003748
Conc: 609.84 ng/ml



#32 AR-1260-2

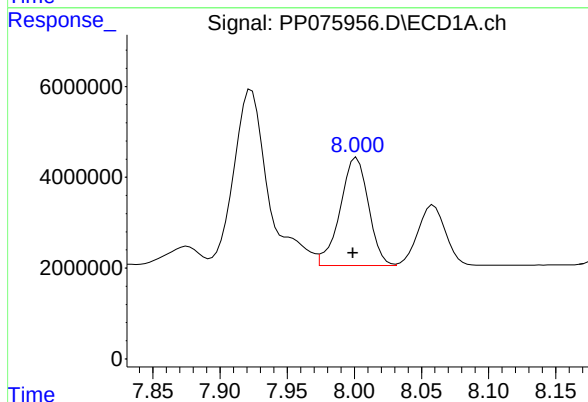
R.T.: 7.644 min
Delta R.T.: 0.003 min
Response: 51722621
Conc: 577.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170204BS



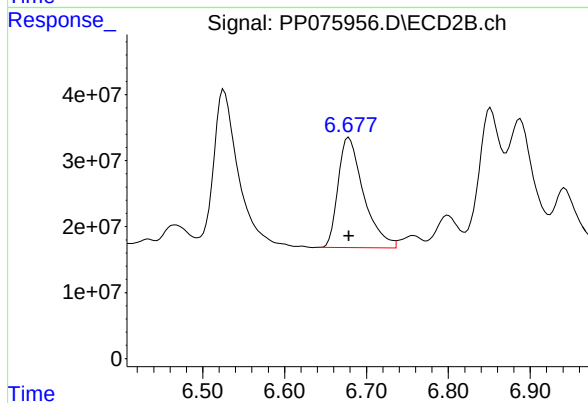
#32 AR-1260-2

R.T.: 6.526 min
Delta R.T.: 0.001 min
Response: 505568344
Conc: 621.29 ng/ml



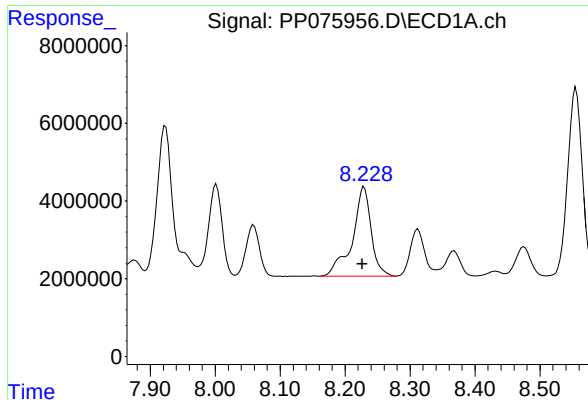
#33 AR-1260-3

R.T.: 8.002 min
Delta R.T.: 0.003 min
Response: 35058707
Conc: 506.00 ng/ml



#33 AR-1260-3

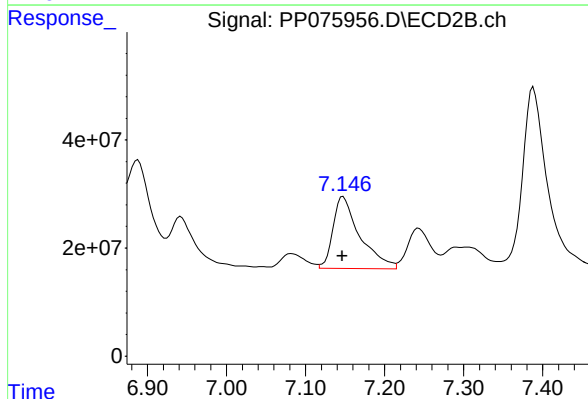
R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 361179759
Conc: 641.80 ng/ml



#34 AR-1260-4

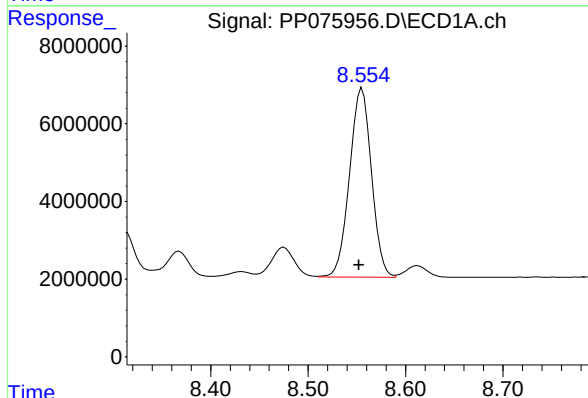
R.T.: 8.229 min
Delta R.T.: 0.003 min
Response: 46181405
Conc: 673.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170204BS



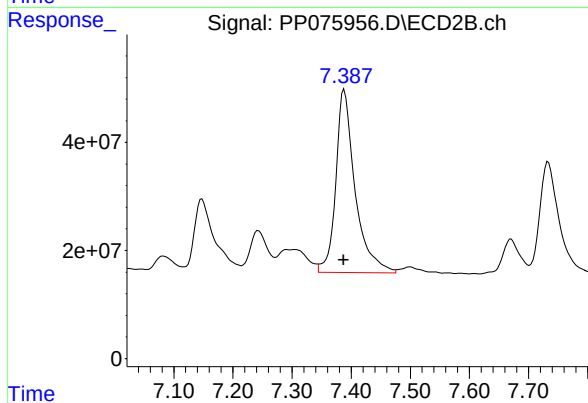
#34 AR-1260-4

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 313783440
Conc: 604.21 ng/ml



#35 AR-1260-5

R.T.: 8.555 min
Delta R.T.: 0.003 min
Response: 76187356
Conc: 514.95 ng/ml



#35 AR-1260-5

R.T.: 7.388 min
Delta R.T.: 0.000 min
Response: 767162582
Conc: 565.94 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/21/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/21/25	
Client Sample ID: NB-08-10212025MS	SDG No.: Q3399	
Lab Sample ID: Q3416-01MS	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 93.8	
Sample Wt/Vol: 30.08 g Final Vol: 10000 uL	Test: PCB	
Prep Method: SW3541 Prep Date 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	141		1	4.20	8.80	18.1	ug/kg	10/22/25 22:15	PB170204
11104-28-2	Aroclor-1221	13.8	U	1	4.30	13.8	18.1	ug/kg	10/22/25 22:15	PB170204
11141-16-5	Aroclor-1232	8.80	U	1	4.00	8.80	18.1	ug/kg	10/22/25 22:15	PB170204
53469-21-9	Aroclor-1242	8.80	U	1	4.30	8.80	18.1	ug/kg	10/22/25 22:15	PB170204
12672-29-6	Aroclor-1248	13.8	U	1	6.30	13.8	18.1	ug/kg	10/22/25 22:15	PB170204
11097-69-1	Aroclor-1254	8.80	U	1	3.40	8.80	18.1	ug/kg	10/22/25 22:15	PB170204
37324-23-5	Aroclor-1262	13.8	U	1	5.30	13.8	18.1	ug/kg	10/22/25 22:15	PB170204
11100-14-4	Aroclor-1268	8.80	U	1	3.80	8.80	18.1	ug/kg	10/22/25 22:15	PB170204
11096-82-5	Aroclor-1260	151		1	3.40	8.80	18.1	ug/kg	10/22/25 22:15	PB170204
SURROGATES										
877-09-8	Tetrachloro-m-xylene	22.9			44 - 130		115%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.1			60 - 125		120%	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

Q3399-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_P\Data\PP102225\
Data File : PP075958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 22:15
Operator : YP\AJ
Sample : Q3416-01MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:38:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.644	3.785	28888464	151.5E6	20.215	22.896
2) SA Decachlor...	10.419	8.784	25933232	149.3E6	24.090	18.151
Target Compounds						
3) L1 AR-1016-1	5.796	4.880	23318738	270.7E6	394.390	365.691
4) L1 AR-1016-2	5.818	4.937	31840369	128.3E6	360.006	375.083
5) L1 AR-1016-3	5.881	5.058	21475181	79541384	387.982	387.360
6) L1 AR-1016-4	5.978	5.100	19772333	75639956	435.129	404.739
7) L1 AR-1016-5	6.270	5.312	17679211	98580142	407.303	432.401
31) L7 AR-1260-1	7.388	6.341	31190951	186.2E6	453.643	339.943 #
32) L7 AR-1260-2	7.641	6.527	38634916	280.6E6	431.303	344.832
33) L7 AR-1260-3	8.000	6.680	25447967	200.3E6	367.286	356.004
34) L7 AR-1260-4	8.227	7.149	34260861	174.6E6	499.638	336.263 #
35) L7 AR-1260-5	8.553	7.389	56612837	446.8E6	382.644	329.609

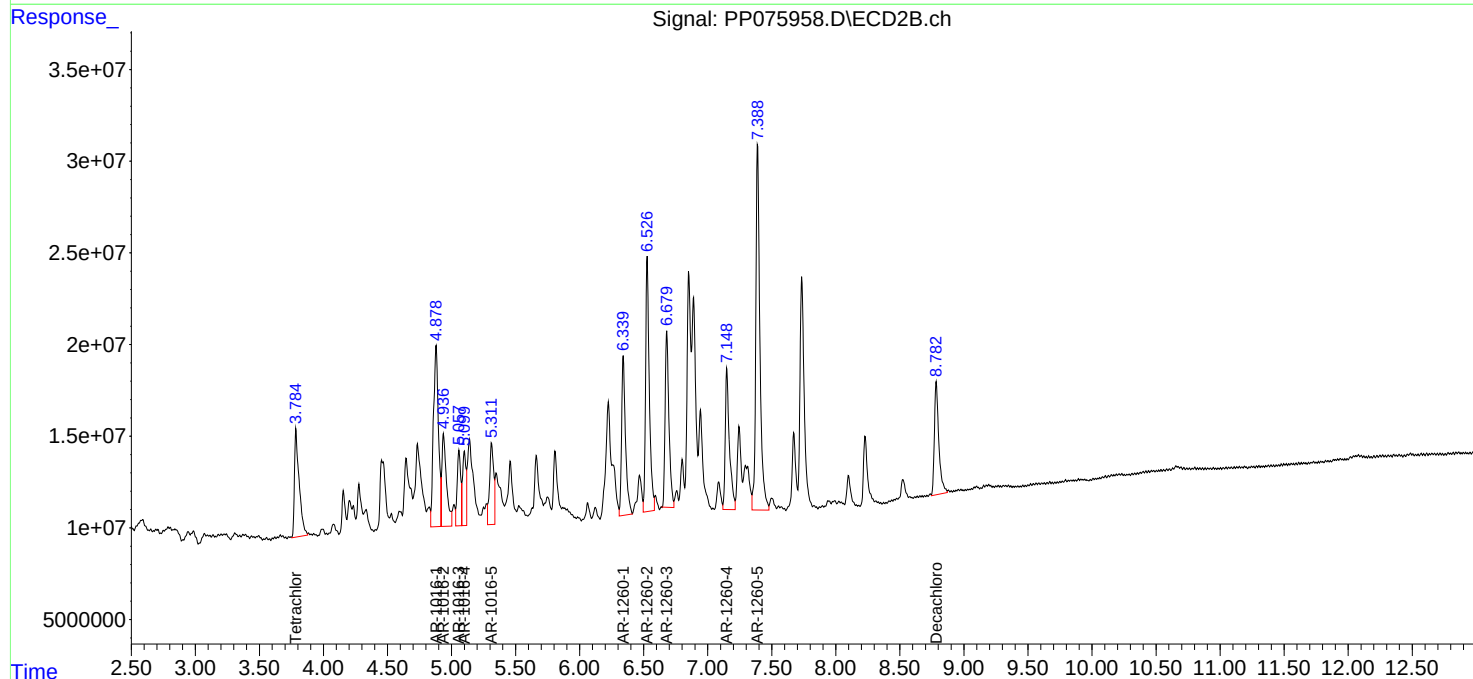
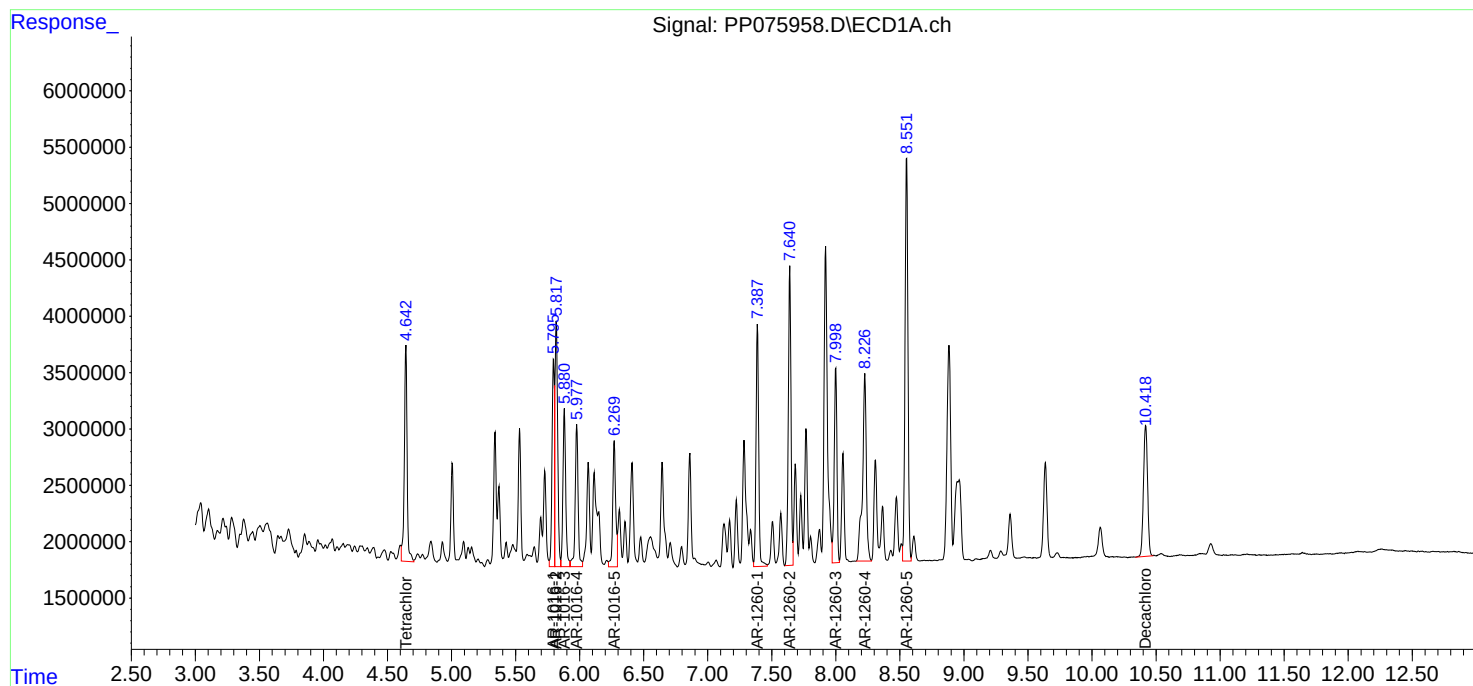
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

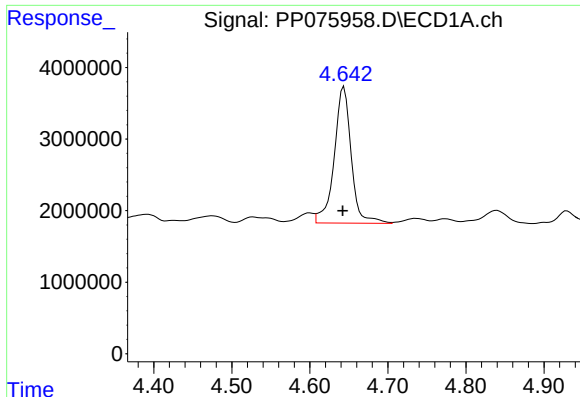
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 22:15
Operator : YP\AJ
Sample : Q3416-01MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:38:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

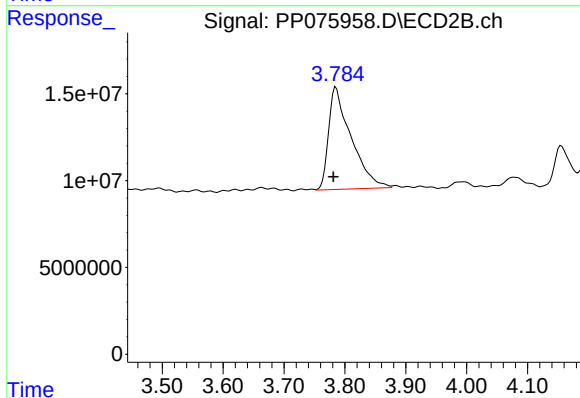




#1 Tetrachloro-m-xylene

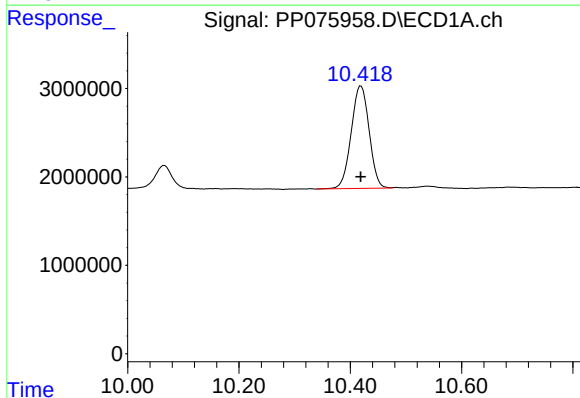
R.T.: 4.644 min
Delta R.T.: 0.002 min
Response: 28888464
Conc: 20.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MS



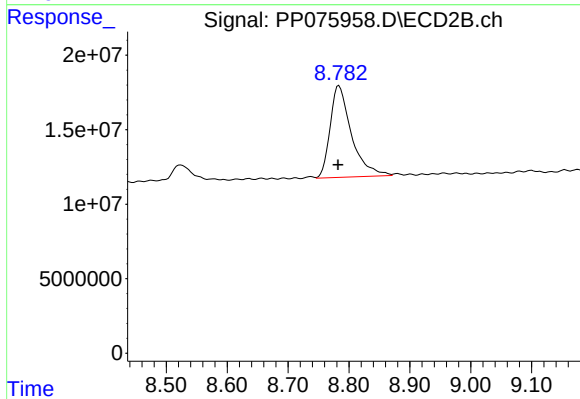
#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: 0.004 min
Response: 151534112
Conc: 22.90 ng/ml



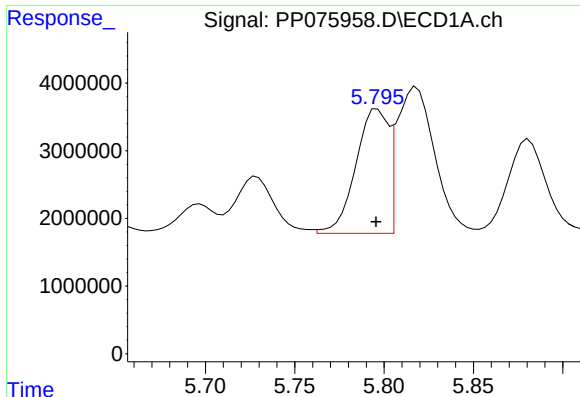
#2 Decachlorobiphenyl

R.T.: 10.419 min
Delta R.T.: 0.000 min
Response: 25933232
Conc: 24.09 ng/ml



#2 Decachlorobiphenyl

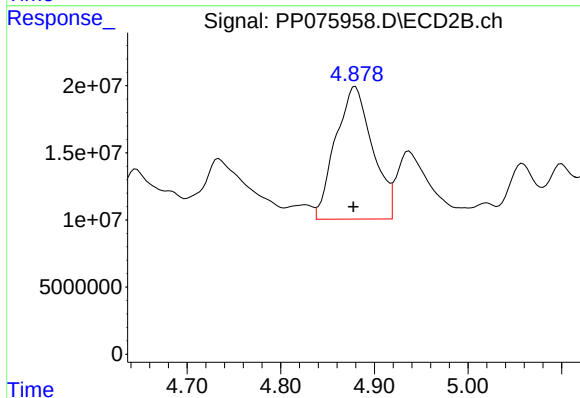
R.T.: 8.784 min
Delta R.T.: 0.002 min
Response: 149254376
Conc: 18.15 ng/ml



#3 AR-1016-1

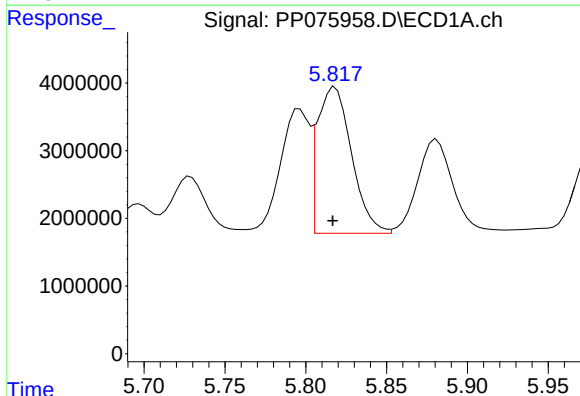
R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 23318738
Conc: 394.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MS



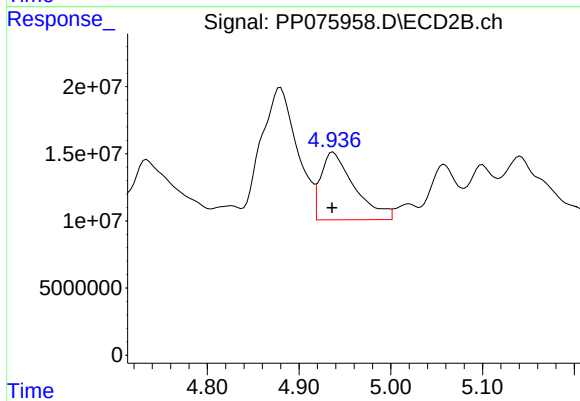
#3 AR-1016-1

R.T.: 4.880 min
Delta R.T.: 0.002 min
Response: 270674521
Conc: 365.69 ng/ml



#4 AR-1016-2

R.T.: 5.818 min
Delta R.T.: 0.001 min
Response: 31840369
Conc: 360.01 ng/ml



#4 AR-1016-2

R.T.: 4.937 min
Delta R.T.: 0.001 min
Response: 128253024
Conc: 375.08 ng/ml

Response_ Signal: PP075958.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.881 min
Delta R.T.: 0.001 min
Response: 21475181
Conc: 387.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MS

Time

Response_ Signal: PP075958.D\ECD2B.ch

#5 AR-1016-3

R.T.: 5.058 min
Delta R.T.: 0.004 min
Response: 79541384
Conc: 387.36 ng/ml

Time

Response_ Signal: PP075958.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.978 min
Delta R.T.: 0.001 min
Response: 19772333
Conc: 435.13 ng/ml

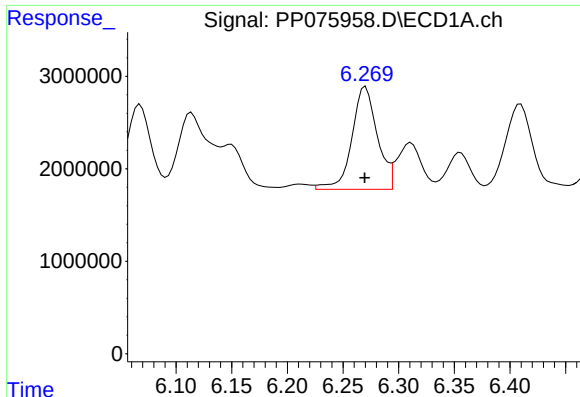
Time

Response_ Signal: PP075958.D\ECD2B.ch

#6 AR-1016-4

R.T.: 5.100 min
Delta R.T.: 0.004 min
Response: 75639956
Conc: 404.74 ng/ml

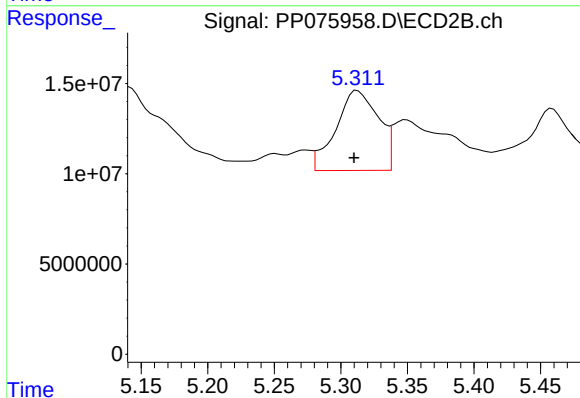
Time



#7 AR-1016-5

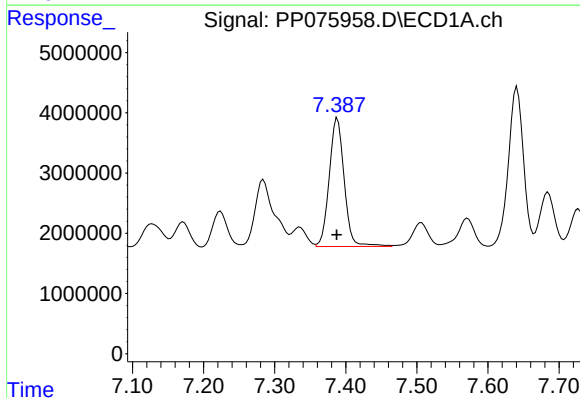
R.T.: 6.270 min
Delta R.T.: 0.000 min
Response: 17679211
Conc: 407.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MS



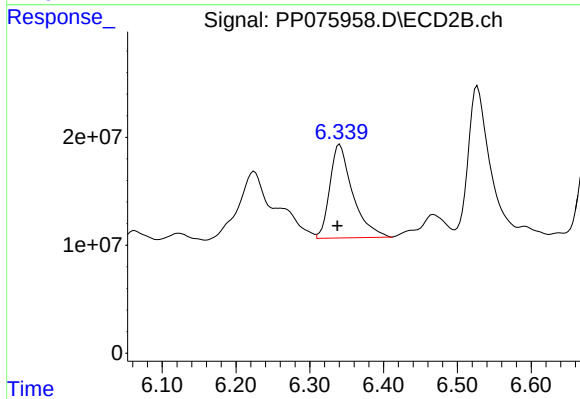
#7 AR-1016-5

R.T.: 5.312 min
Delta R.T.: 0.002 min
Response: 98580142
Conc: 432.40 ng/ml



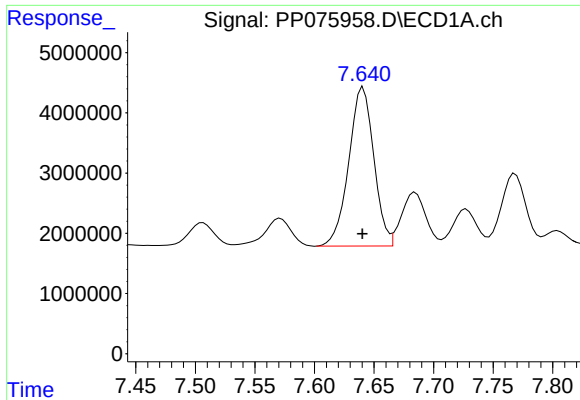
#31 AR-1260-1

R.T.: 7.388 min
Delta R.T.: 0.001 min
Response: 31190951
Conc: 453.64 ng/ml



#31 AR-1260-1

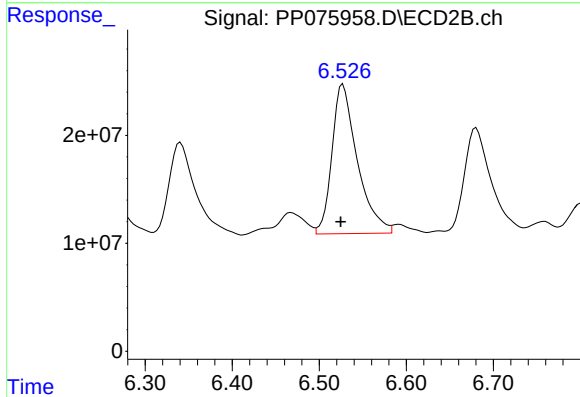
R.T.: 6.341 min
Delta R.T.: 0.003 min
Response: 186184913
Conc: 339.94 ng/ml



#32 AR-1260-2

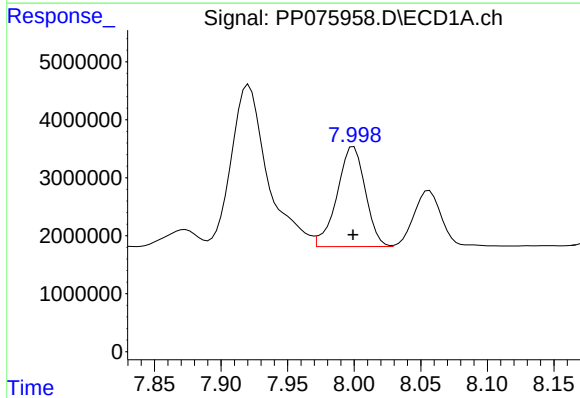
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 38634916
Conc: 431.30 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MS



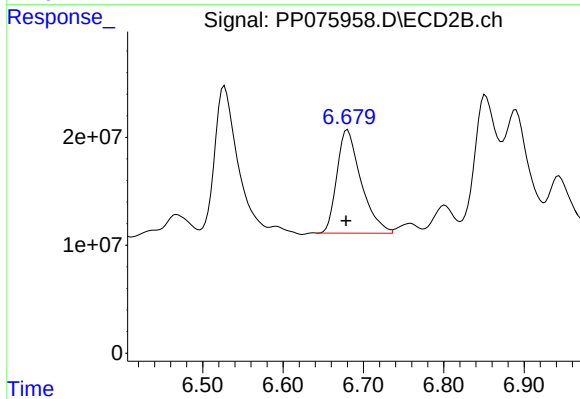
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.003 min
Response: 280601394
Conc: 344.83 ng/ml



#33 AR-1260-3

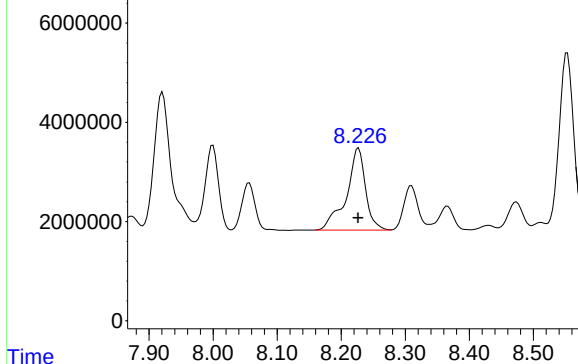
R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 25447967
Conc: 367.29 ng/ml



#33 AR-1260-3

R.T.: 6.680 min
Delta R.T.: 0.002 min
Response: 200343783
Conc: 356.00 ng/ml

Response_ Signal: PP075958.D\ECD1A.ch

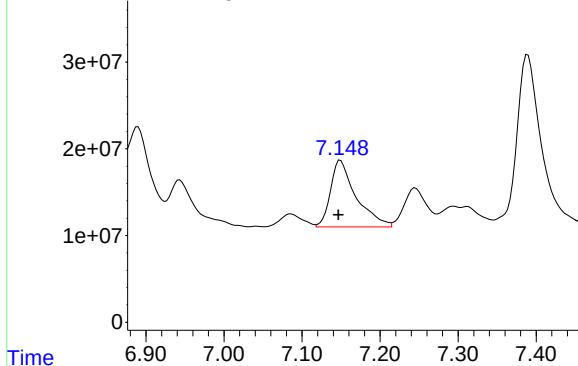


#34 AR-1260-4

R.T.: 8.227 min
Delta R.T.: 0.000 min
Response: 34260861
Conc: 499.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MS

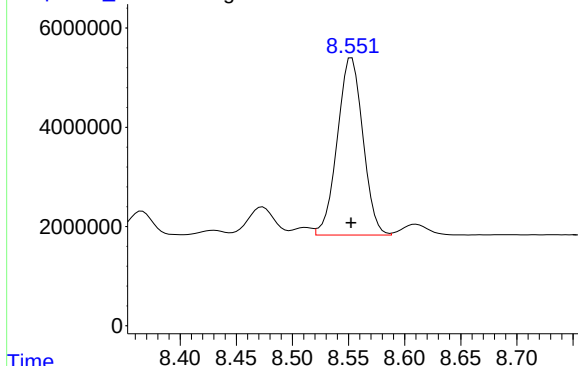
Time Response_ Signal: PP075958.D\ECD2B.ch



#34 AR-1260-4

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 174631971
Conc: 336.26 ng/ml

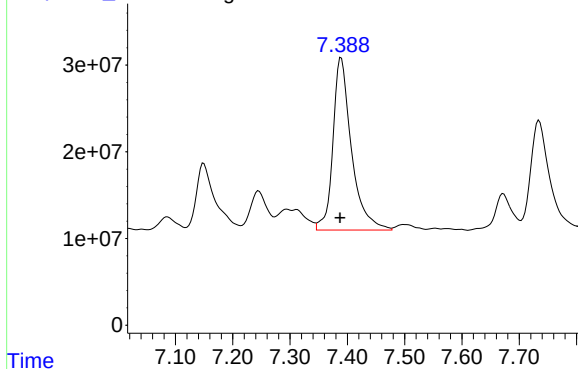
Time Response_ Signal: PP075958.D\ECD1A.ch



#35 AR-1260-5

R.T.: 8.553 min
Delta R.T.: 0.000 min
Response: 56612837
Conc: 382.64 ng/ml

Time Response_ Signal: PP075958.D\ECD2B.ch



#35 AR-1260-5

R.T.: 7.389 min
Delta R.T.: 0.002 min
Response: 446802561
Conc: 329.61 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/21/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/21/25	
Client Sample ID: NB-08-10212025MSD	SDG No.: Q3399	
Lab Sample ID: Q3416-01MSD	Matrix: SOIL	
Analytical Method: 8082A	% Solid: 93.8	
Sample Wt/Vol: 30.06 g Final Vol: 10000 uL	Test: PCB	
Prep Method: SW3541 Prep Date 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
12674-11-2	Aroclor-1016	137		1	4.20	8.80	18.1	ug/kg	10/22/25 22:31	PB170204
11104-28-2	Aroclor-1221	13.8	U	1	4.30	13.8	18.1	ug/kg	10/22/25 22:31	PB170204
11141-16-5	Aroclor-1232	8.80	U	1	4.00	8.80	18.1	ug/kg	10/22/25 22:31	PB170204
53469-21-9	Aroclor-1242	8.80	U	1	4.30	8.80	18.1	ug/kg	10/22/25 22:31	PB170204
12672-29-6	Aroclor-1248	13.8	U	1	6.30	13.8	18.1	ug/kg	10/22/25 22:31	PB170204
11097-69-1	Aroclor-1254	8.80	U	1	3.40	8.80	18.1	ug/kg	10/22/25 22:31	PB170204
37324-23-5	Aroclor-1262	13.8	U	1	5.30	13.8	18.1	ug/kg	10/22/25 22:31	PB170204
11100-14-4	Aroclor-1268	8.80	U	1	3.80	8.80	18.1	ug/kg	10/22/25 22:31	PB170204
11096-82-5	Aroclor-1260	143		1	3.40	8.80	18.1	ug/kg	10/22/25 22:31	PB170204
SURROGATES										
877-09-8	Tetrachloro-m-xylene	21.3			44 - 130		106%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.6			60 - 125		113%	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

Q3399-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_P\Data\PP102225\
 Data File : PP075959.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 22:31
 Operator : YP\AJ
 Sample : Q3416-01MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 NB-08-10212025MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:39:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 18:24:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.645	3.784	28057009	140.7E6	19.633	21.259
2) SA Decachlor...	10.421	8.782	24291653	137.3E6	22.565	16.700 #
Target Compounds						
3) L1 AR-1016-1	5.797	4.879	23006920	261.8E6	389.116	353.645
4) L1 AR-1016-2	5.819	4.938	31527550	120.7E6	356.469	352.891
5) L1 AR-1016-3	5.882	5.056	21098430	75841645	381.175	369.342
6) L1 AR-1016-4	5.979	5.097	18908817	75602896	416.125	404.541
7) L1 AR-1016-5	6.272	5.313	16652302	87510468	383.645	383.847
31) L7 AR-1260-1	7.390	6.340	29010289	181.2E6	421.927	330.832
32) L7 AR-1260-2	7.643	6.527	36082186	282.9E6	402.805	347.597
33) L7 AR-1260-3	8.001	6.680	24126303	192.8E6	348.210	342.599
34) L7 AR-1260-4	8.229	7.149	32551538	168.5E6	474.710	324.392 #
35) L7 AR-1260-5	8.555	7.388	53854802	416.1E6	364.003	306.930

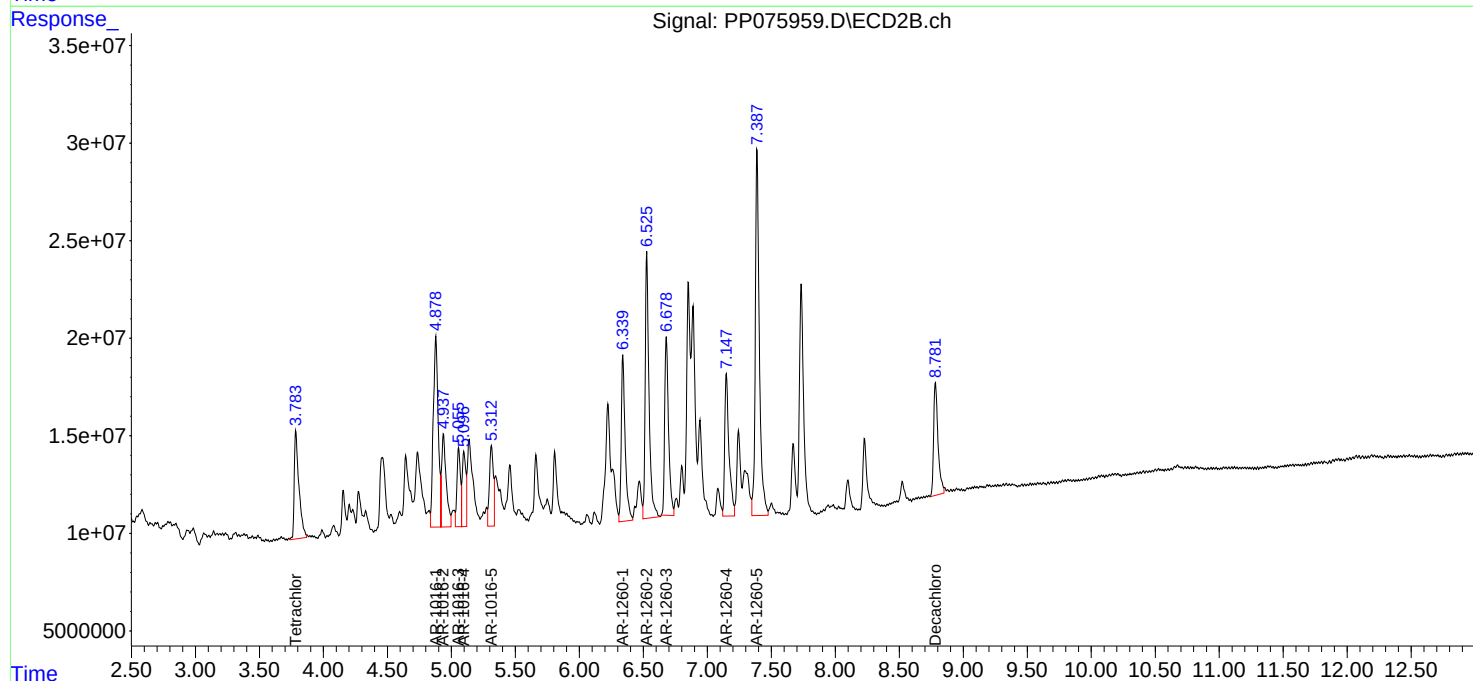
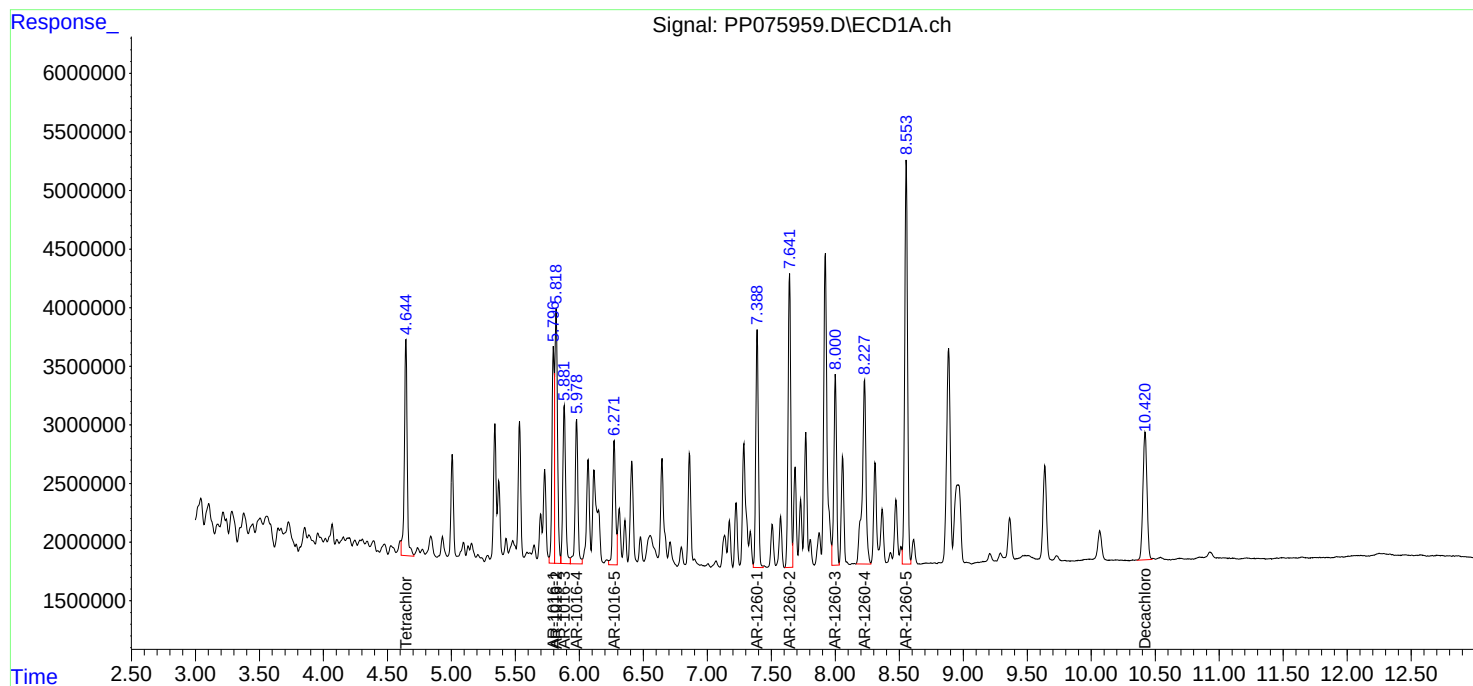
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 22:31
Operator : YP\AJ
Sample : Q3416-01MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

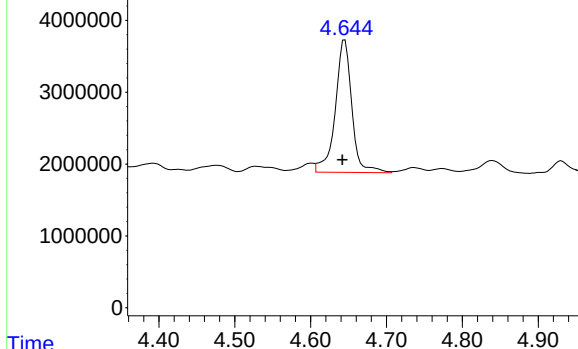
Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:39:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PP075959.D\ECD1A.ch

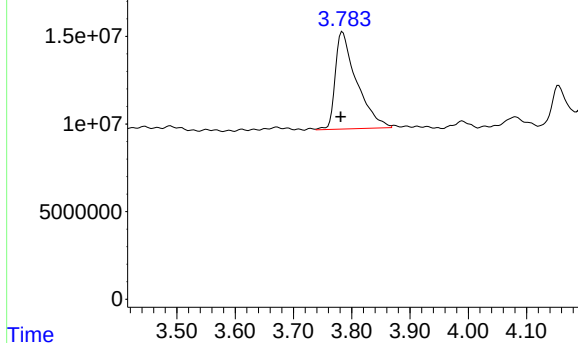


#1 Tetrachloro-m-xylene

R.T.: 4.645 min
Delta R.T.: 0.003 min
Response: 28057009
Conc: 19.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MSD

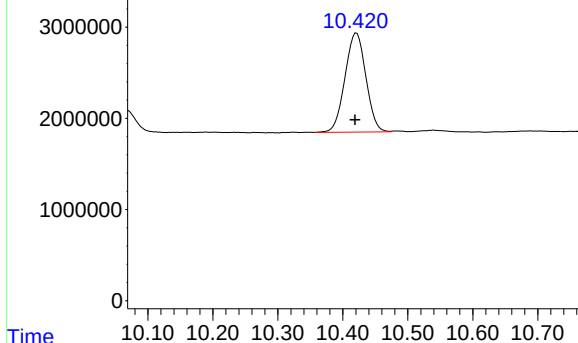
Time Response_ Signal: PP075959.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.784 min
Delta R.T.: 0.003 min
Response: 140700985
Conc: 21.26 ng/ml

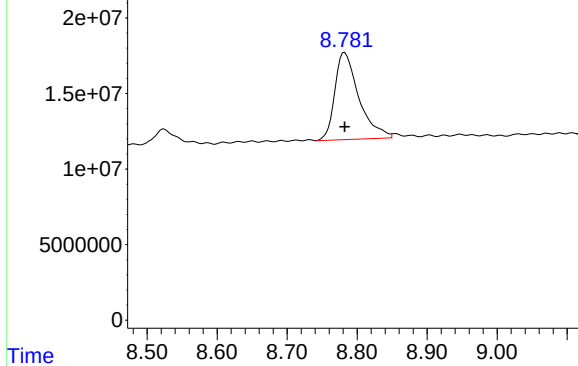
Time Response_ Signal: PP075959.D\ECD1A.ch



#2 Decachlorobiphenyl

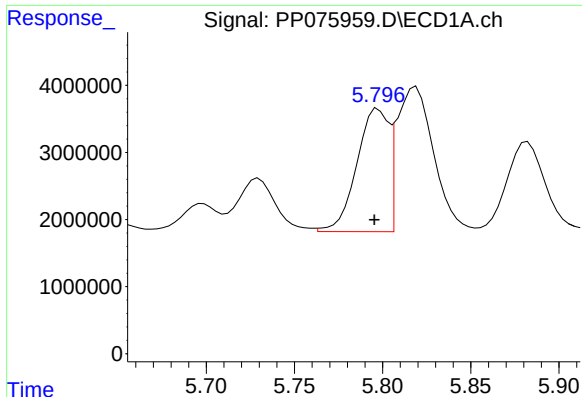
R.T.: 10.421 min
Delta R.T.: 0.002 min
Response: 24291653
Conc: 22.56 ng/ml

Time Response_ Signal: PP075959.D\ECD2B.ch



#2 Decachlorobiphenyl

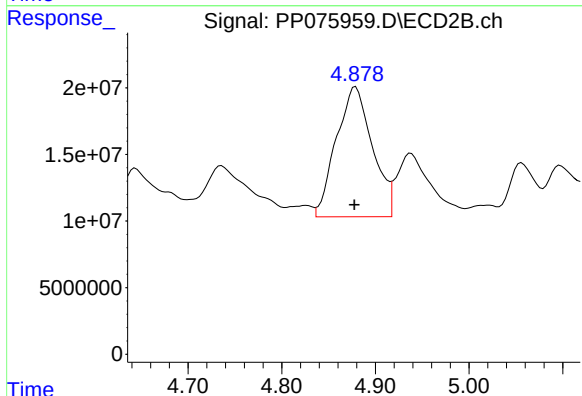
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 137324461
Conc: 16.70 ng/ml



#3 AR-1016-1

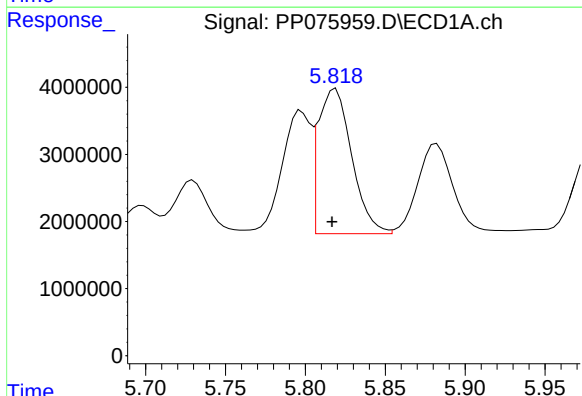
R.T.: 5.797 min
Delta R.T.: 0.002 min
Response: 23006920
Conc: 389.12 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MSD



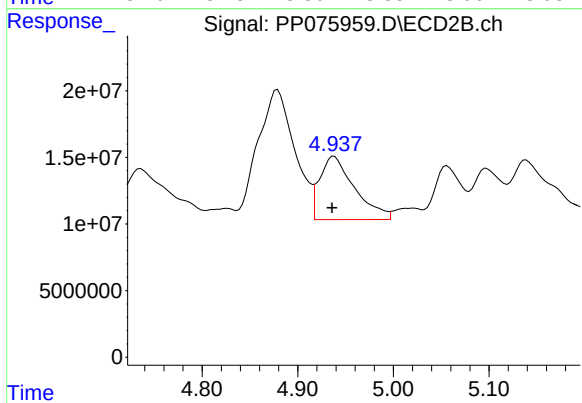
#3 AR-1016-1

R.T.: 4.879 min
Delta R.T.: 0.001 min
Response: 261758419
Conc: 353.65 ng/ml



#4 AR-1016-2

R.T.: 5.819 min
Delta R.T.: 0.002 min
Response: 31527550
Conc: 356.47 ng/ml



#4 AR-1016-2

R.T.: 4.938 min
Delta R.T.: 0.002 min
Response: 120664996
Conc: 352.89 ng/ml

Response_ Signal: PP075959.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.882 min
Delta R.T.: 0.003 min
Response: 21098430
Conc: 381.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MSD

Time 5.70 5.75 5.80 5.85 5.90 5.95 6.00 6.05

Response_ Signal: PP075959.D\ECD2B.ch

#5 AR-1016-3

R.T.: 5.056 min
Delta R.T.: 0.002 min
Response: 75841645
Conc: 369.34 ng/ml

Time 4.95 5.00 5.05 5.10 5.15

Response_ Signal: PP075959.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.979 min
Delta R.T.: 0.002 min
Response: 18908817
Conc: 416.13 ng/ml

Time 5.70 5.80 5.90 6.00 6.10 6.20

Response_ Signal: PP075959.D\ECD2B.ch

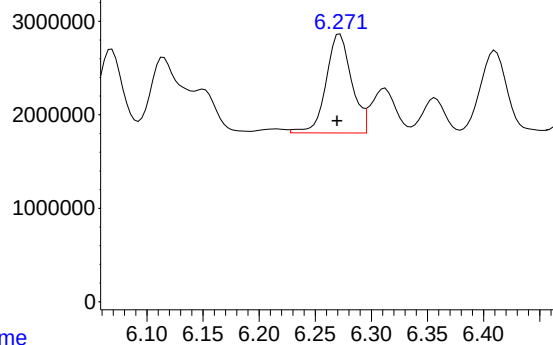
#6 AR-1016-4

R.T.: 5.097 min
Delta R.T.: 0.001 min
Response: 75602896
Conc: 404.54 ng/ml

Time 5.00 5.05 5.10 5.15 5.20

Response_ Signal: PP075959.D\ECD1A.ch

#7 AR-1016-5

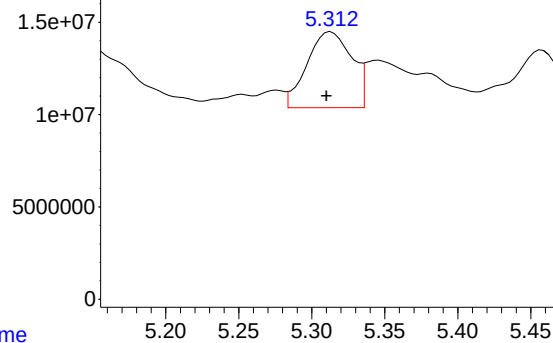


R.T.: 6.272 min
Delta R.T.: 0.003 min
Response: 16652302
Conc: 383.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MSD

Time Response_ Signal: PP075959.D\ECD2B.ch

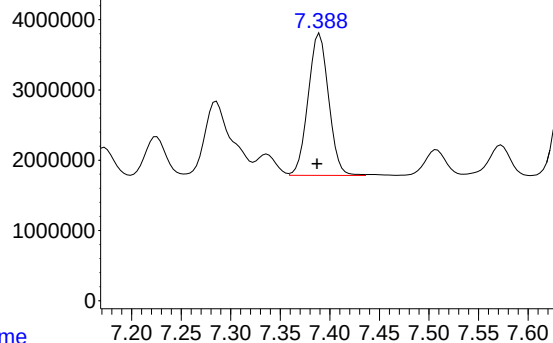
#7 AR-1016-5



R.T.: 5.313 min
Delta R.T.: 0.003 min
Response: 87510468
Conc: 383.85 ng/ml

Time Response_ Signal: PP075959.D\ECD1A.ch

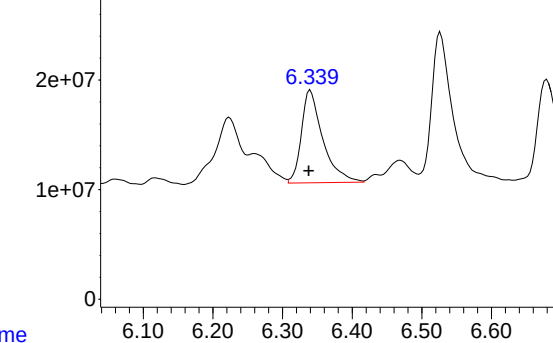
#31 AR-1260-1



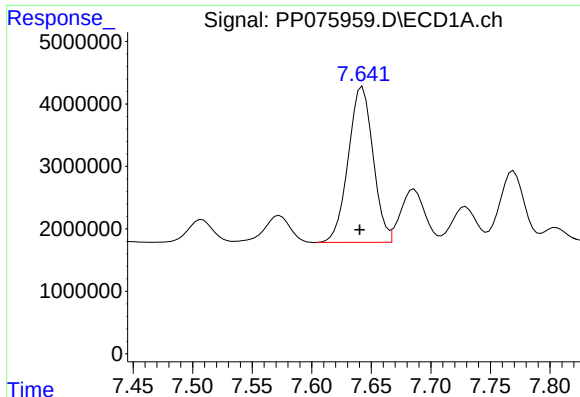
R.T.: 7.390 min
Delta R.T.: 0.003 min
Response: 29010289
Conc: 421.93 ng/ml

Time Response_ Signal: PP075959.D\ECD2B.ch

#31 AR-1260-1



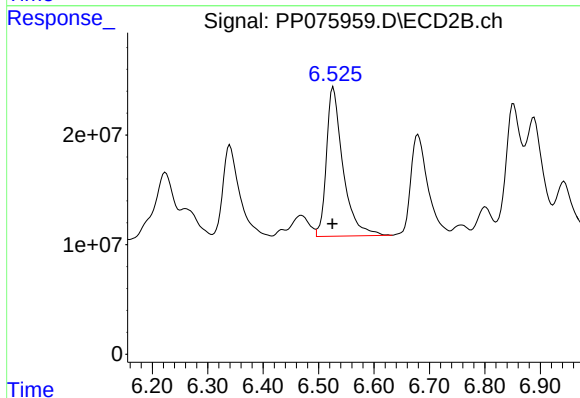
R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 181195135
Conc: 330.83 ng/ml



#32 AR-1260-2

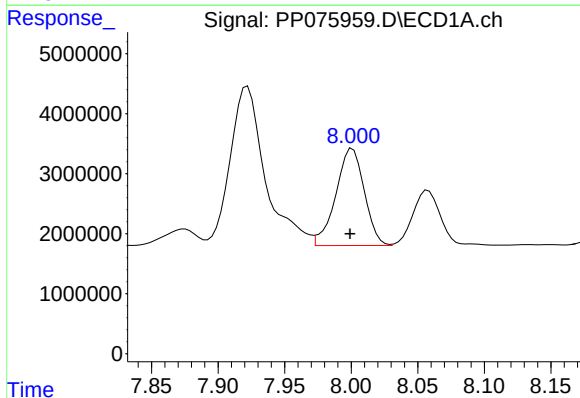
R.T.: 7.643 min
Delta R.T.: 0.002 min
Response: 36082186
Conc: 402.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MSD



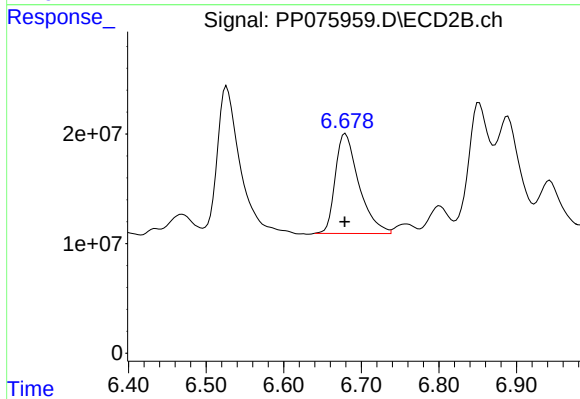
#32 AR-1260-2

R.T.: 6.527 min
Delta R.T.: 0.002 min
Response: 282851128
Conc: 347.60 ng/ml



#33 AR-1260-3

R.T.: 8.001 min
Delta R.T.: 0.002 min
Response: 24126303
Conc: 348.21 ng/ml

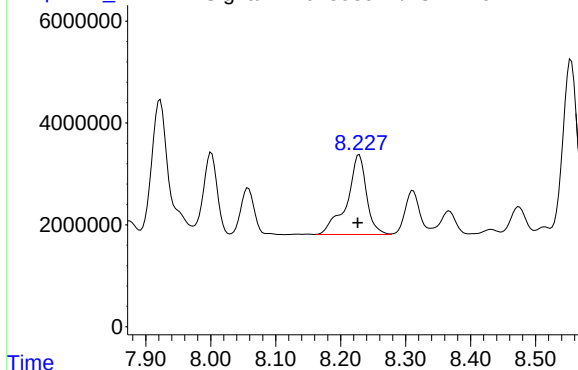


#33 AR-1260-3

R.T.: 6.680 min
Delta R.T.: 0.001 min
Response: 192799879
Conc: 342.60 ng/ml

Signal: PP075959.D\ECD1A.ch

#34 AR-1260-4

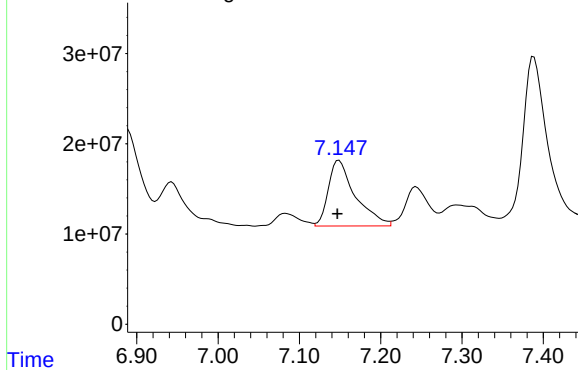


R.T.: 8.229 min
Delta R.T.: 0.002 min
Response: 32551538
Conc: 474.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
NB-08-10212025MSD

Signal: PP075959.D\ECD2B.ch

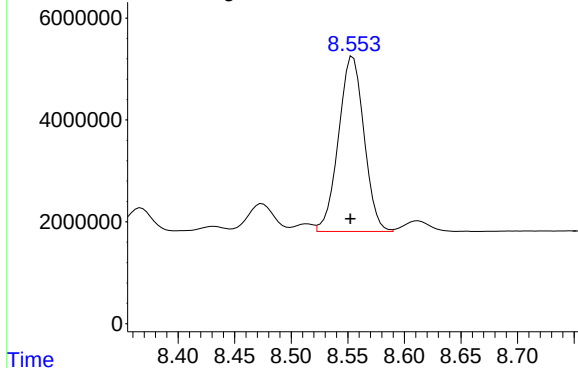
#34 AR-1260-4



R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 168467117
Conc: 324.39 ng/ml

Signal: PP075959.D\ECD1A.ch

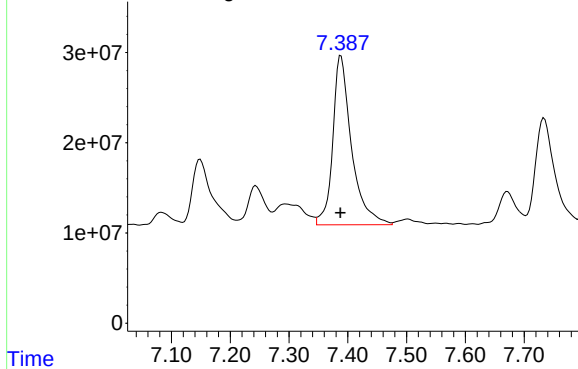
#35 AR-1260-5



R.T.: 8.555 min
Delta R.T.: 0.002 min
Response: 53854802
Conc: 364.00 ng/ml

Signal: PP075959.D\ECD2B.ch

#35 AR-1260-5



R.T.: 7.388 min
Delta R.T.: 0.000 min
Response: 416060576
Conc: 306.93 ng/ml

Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP075887.D	Decachlorobiphenyl	yogesh	10/22/2025 12:24:41 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-3	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-3 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-4	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-4 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	AR-1016-5 #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1660ICC050	PP075892.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:25 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1232ICC500	PP075894.D	AR-1232-4 #2	yogesh	10/22/2025 12:24:44 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC100 0	PP075895.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:45 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC750	PP075896.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:46 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC500	PP075897.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:48 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC250	PP075898.D	AR-1242-4 #2	yogesh	10/22/2025 12:24:50 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC250	PP075898.D	AR-1242-5	yogesh	10/22/2025 12:24:50 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP075899.D	AR-1242-5	yogesh	10/22/2025 12:24:52 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICC050	PP075899.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:24:52 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC100 0	PP075900.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:53 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC750	PP075901.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:55 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC500	PP075902.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:57 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC250	PP075903.D	AR-1248-3 #2	yogesh	10/22/2025 12:24:58 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-4	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-4 #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-5	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	AR-1248-5 #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICC050	PP075904.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:00 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC100 0	PP075905.D	AR-1254-1	yogesh	10/22/2025 12:25:02 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC750	PP075906.D	AR-1254-1	yogesh	10/22/2025 12:25:03 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

Manual Integration Report

Sequence:	PP102125	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC750	PP075906.D	AR-1254-5 #2	yogesh	10/22/2025 12:25:03 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC500	PP075907.D	AR-1254-1	yogesh	10/22/2025 12:25:05 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC250	PP075908.D	AR-1254-1	yogesh	10/22/2025 12:25:07 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICC050	PP075909.D	Tetrachloro-m-xylene #2	yogesh	10/22/2025 12:25:09 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICV500	PP075917.D	AR-1242-4 #2	yogesh	10/24/2025 4:12:30 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1242ICV500	PP075917.D	Decachlorobiphenyl	yogesh	10/24/2025 4:12:30 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1248ICV500	PP075918.D	AR-1248-3 #2	yogesh	10/24/2025 4:12:35 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software
AR1254ICV500	PP075919.D	AR-1254-1 #2	yogesh	10/24/2025 4:12:33 PM	mohammad	10/25/2025 7:28:37	Peak Integrated by Software

Manual Integration Report

Sequence:	pp102225	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP075924.D	AR-1242-4 #2	yogesh	10/23/2025 4:57:18 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1242CCC500	PP075924.D	AR-1242-5 #2	yogesh	10/23/2025 4:57:18 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1248CCC500	PP075925.D	AR-1248-3 #2	yogesh	10/23/2025 4:57:21 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1248CCC500	PP075925.D	AR-1248-4 #2	yogesh	10/23/2025 4:57:21 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1254CCC500	PP075926.D	AR-1254-1	yogesh	10/23/2025 4:57:23 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1242CCC500	PP075937.D	AR-1242-4 #2	yogesh	10/23/2025 4:57:34 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1248CCC500	PP075938.D	AR-1248-3 #2	yogesh	10/23/2025 4:57:36 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1242CCC500	PP075951.D	AR-1242-4 #2	yogesh	10/23/2025 4:57:48 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1248CCC500	PP075952.D	AR-1248-3 #2	yogesh	10/23/2025 4:57:49 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1254CCC500	PP075953.D	AR-1254-1	yogesh	10/23/2025 4:57:51 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1254CCC500	PP075953.D	Tetrachloro-m-xylene	yogesh	10/23/2025 4:57:51 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1242CCC500	PP075961.D	AR-1242-4 #2	yogesh	10/23/2025 4:57:53 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1248CCC500	PP075962.D	AR-1248-3 #2	yogesh	10/23/2025 4:57:55 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software

Manual Integration Report

Sequence:	pp102225	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP075962.D	AR-1248-5 #2	yogesh	10/23/2025 4:57:55 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1254CCC500	PP075963.D	AR-1254-1	yogesh	10/23/2025 4:57:56 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1254CCC500	PP075963.D	AR-1254-1 #2	yogesh	10/23/2025 4:57:56 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software
AR1254CCC500	PP075963.D	AR-1254-2 #2	yogesh	10/23/2025 4:57:56 PM	mohammad	10/27/2025 7:09:09	Peak Integrated by Software

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM
SubDirectory	PP102125	HP Acquire Method	HP Processing Method PP102125
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	PP075886.D	21 Oct 2025 08:33	YP\AJ	Ok
2	I.BLK	PP075887.D	21 Oct 2025 08:49	YP\AJ	Ok,M
3	AR1660ICC1000	PP075888.D	21 Oct 2025 09:06	YP\AJ	Ok
4	AR1660ICC750	PP075889.D	21 Oct 2025 09:22	YP\AJ	Ok
5	AR1660ICC500	PP075890.D	21 Oct 2025 09:38	YP\AJ	Ok
6	AR1660ICC250	PP075891.D	21 Oct 2025 09:54	YP\AJ	Ok
7	AR1660ICC050	PP075892.D	21 Oct 2025 10:11	YP\AJ	Ok,M
8	AR1221ICC500	PP075893.D	21 Oct 2025 10:27	YP\AJ	Ok
9	AR1232ICC500	PP075894.D	21 Oct 2025 10:43	YP\AJ	Ok,M
10	AR1242ICC1000	PP075895.D	21 Oct 2025 10:59	YP\AJ	Ok,M
11	AR1242ICC750	PP075896.D	21 Oct 2025 11:16	YP\AJ	Ok,M
12	AR1242ICC500	PP075897.D	21 Oct 2025 11:48	YP\AJ	Ok,M
13	AR1242ICC250	PP075898.D	21 Oct 2025 12:04	YP\AJ	Ok,M
14	AR1242ICC050	PP075899.D	21 Oct 2025 12:21	YP\AJ	Ok,M
15	AR1248ICC1000	PP075900.D	21 Oct 2025 12:41	YP\AJ	Ok,M
16	AR1248ICC750	PP075901.D	21 Oct 2025 12:57	YP\AJ	Ok,M
17	AR1248ICC500	PP075902.D	21 Oct 2025 13:13	YP\AJ	Ok,M
18	AR1248ICC250	PP075903.D	21 Oct 2025 13:30	YP\AJ	Ok,M
19	AR1248ICC050	PP075904.D	21 Oct 2025 13:46	YP\AJ	Ok,M
20	AR1254ICC1000	PP075905.D	21 Oct 2025 14:02	YP\AJ	Ok,M
21	AR1254ICC750	PP075906.D	21 Oct 2025 14:18	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM
SubDirectory	PP102125	HP Acquire Method	HP Processing Method PP102125
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	PP075907.D	21 Oct 2025 14:35	YP\AJ	Ok,M
23	AR1254ICC250	PP075908.D	21 Oct 2025 14:51	YP\AJ	Ok,M
24	AR1254ICC050	PP075909.D	21 Oct 2025 15:07	YP\AJ	Ok,M
25	AR1262ICC500	PP075910.D	21 Oct 2025 15:40	YP\AJ	Ok
26	AR1268ICC1000	PP075911.D	21 Oct 2025 15:56	YP\AJ	Ok
27	AR1268ICC750	PP075912.D	21 Oct 2025 16:12	YP\AJ	Ok
28	AR1268ICC500	PP075913.D	21 Oct 2025 16:29	YP\AJ	Ok
29	AR1268ICC250	PP075914.D	21 Oct 2025 16:45	YP\AJ	Ok
30	AR1268ICC050	PP075915.D	21 Oct 2025 17:01	YP\AJ	Ok
31	PP102125ICV500	PP075916.D	21 Oct 2025 17:34	YP\AJ	Ok
32	AR1242ICV500	PP075917.D	21 Oct 2025 18:06	YP\AJ	Ok,M
33	AR1248ICV500	PP075918.D	21 Oct 2025 18:39	YP\AJ	Ok,M
34	AR1254ICV500	PP075919.D	22 Oct 2025 08:49	YP\AJ	Ok,M
35	AR1268ICV500	PP075920.D	22 Oct 2025 09:07	YP\AJ	Ok
36	DDT ANALOG	PP075921.D	22 Oct 2025 09:25	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102225

Review By	yogesh	Review On	10/22/2025 11:56:05 AM
Supervise By	mohammad	Supervise On	10/27/2025 7:09:09 AM
SubDirectory	PP102225	HP Acquire Method	HP Processing Method PP102125
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	PP075922.D	22 Oct 2025 10:15	YP\AJ	Ok
2	AR1660CCC500	PP075923.D	22 Oct 2025 10:32	YP\AJ	Ok
3	AR1242CCC500	PP075924.D	22 Oct 2025 10:52	YP\AJ	Ok,M
4	AR1248CCC500	PP075925.D	22 Oct 2025 11:08	YP\AJ	Ok,M
5	AR1254CCC500	PP075926.D	22 Oct 2025 11:24	YP\AJ	Ok,M
6	I.BLK	PP075927.D	22 Oct 2025 11:40	YP\AJ	Ok
7	Q3407-13	PP075928.D	22 Oct 2025 11:57	YP\AJ	Ok,M
8	Q3407-14	PP075929.D	22 Oct 2025 12:13	YP\AJ	Ok,M
9	Q3407-15	PP075930.D	22 Oct 2025 12:29	YP\AJ	Ok
10	Q3407-16	PP075931.D	22 Oct 2025 12:45	YP\AJ	Ok,M
11	Q3407-17	PP075932.D	22 Oct 2025 13:02	YP\AJ	Ok,M
12	Q3407-18	PP075933.D	22 Oct 2025 13:18	YP\AJ	Ok,M
13	Q3407-19	PP075934.D	22 Oct 2025 13:34	YP\AJ	Ok
14	Q3407-20	PP075935.D	22 Oct 2025 13:51	YP\AJ	Ok
15	AR1660CCC500	PP075936.D	22 Oct 2025 14:56	YP\AJ	Ok
16	AR1242CCC500	PP075937.D	22 Oct 2025 15:12	YP\AJ	Ok,M
17	AR1248CCC500	PP075938.D	22 Oct 2025 15:28	YP\AJ	Ok,M
18	AR1254CCC500	PP075939.D	22 Oct 2025 15:45	YP\AJ	Ok
19	I.BLK	PP075940.D	22 Oct 2025 16:01	YP\AJ	Ok
20	PB170199BL	PP075941.D	22 Oct 2025 16:17	YP\AJ	Ok
21	PB170199BS	PP075942.D	22 Oct 2025 16:34	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102225

Review By	yogesh	Review On	10/22/2025 11:56:05 AM
Supervise By	mohammad	Supervise On	10/27/2025 7:09:09 AM
SubDirectory	PP102225	HP Acquire Method	HP Processing Method PP102125
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	Q3415-01	PP075943.D	22 Oct 2025 16:50	YP\AJ	Dilution
23	Q3415-02	PP075944.D	22 Oct 2025 17:06	YP\AJ	Dilution
24	Q3415-03	PP075945.D	22 Oct 2025 17:22	YP\AJ	Dilution
25	Q3418-01	PP075946.D	22 Oct 2025 17:39	YP\AJ	Ok,M
26	Q3418-02	PP075947.D	22 Oct 2025 17:55	YP\AJ	Ok
27	Q3418-03	PP075948.D	22 Oct 2025 18:11	YP\AJ	Ok,M
28	Q3399-01	PP075949.D	22 Oct 2025 18:27	YP\AJ	Ok
29	AR1660CCC500	PP075950.D	22 Oct 2025 19:33	YP\AJ	Ok
30	AR1242CCC500	PP075951.D	22 Oct 2025 20:21	YP\AJ	Ok,M
31	AR1248CCC500	PP075952.D	22 Oct 2025 20:38	YP\AJ	Ok,M
32	AR1254CCC500	PP075953.D	22 Oct 2025 20:54	YP\AJ	Ok,M
33	I.BLK	PP075954.D	22 Oct 2025 21:10	YP\AJ	Ok
34	PB170204BL	PP075955.D	22 Oct 2025 21:26	YP\AJ	Ok
35	PB170204BS	PP075956.D	22 Oct 2025 21:43	YP\AJ	Ok
36	Q3416-01	PP075957.D	22 Oct 2025 21:59	YP\AJ	Ok
37	Q3416-01MS	PP075958.D	22 Oct 2025 22:15	YP\AJ	Ok
38	Q3416-01MSD	PP075959.D	22 Oct 2025 22:31	YP\AJ	Ok
39	AR1660CCC500	PP075960.D	22 Oct 2025 23:37	YP\AJ	Ok,NR
40	AR1242CCC500	PP075961.D	23 Oct 2025 00:25	YP\AJ	Ok,M
41	AR1248CCC500	PP075962.D	23 Oct 2025 00:41	YP\AJ	Ok,M
42	AR1254CCC500	PP075963.D	23 Oct 2025 00:58	YP\AJ	Ok,M
43	I.BLK	PP075964.D	23 Oct 2025 01:14	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM
SubDirectory	PP102125	HP Acquire Method	HP Processing Method PP102125
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	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP075886.D	21 Oct 2025 08:33		YP\AJ	Ok
2	I.BLK	I.BLK	PP075887.D	21 Oct 2025 08:49		YP\AJ	Ok,M
3	AR1660ICC1000	AR1660ICC1000	PP075888.D	21 Oct 2025 09:06		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP075889.D	21 Oct 2025 09:22		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP075890.D	21 Oct 2025 09:38		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP075891.D	21 Oct 2025 09:54		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP075892.D	21 Oct 2025 10:11		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP075893.D	21 Oct 2025 10:27		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP075894.D	21 Oct 2025 10:43		YP\AJ	Ok,M
10	AR1242ICC1000	AR1242ICC1000	PP075895.D	21 Oct 2025 10:59		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP075896.D	21 Oct 2025 11:16		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP075897.D	21 Oct 2025 11:48		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP075898.D	21 Oct 2025 12:04		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP075899.D	21 Oct 2025 12:21		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP075900.D	21 Oct 2025 12:41		YP\AJ	Ok,M
16	AR1248ICC750	AR1248ICC750	PP075901.D	21 Oct 2025 12:57		YP\AJ	Ok,M
17	AR1248ICC500	AR1248ICC500	PP075902.D	21 Oct 2025 13:13		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP075903.D	21 Oct 2025 13:30		YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102125

Review By	yogesh	Review On	10/21/2025 12:01:15 PM
Supervise By	mohammad	Supervise On	10/25/2025 7:28:37 AM
SubDirectory	PP102125	HP Acquire Method	HP Processing Method PP102125
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			

19	AR1248ICC050	AR1248ICC050	PP075904.D	21 Oct 2025 13:46		YPIAJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP075905.D	21 Oct 2025 14:02		YPIAJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP075906.D	21 Oct 2025 14:18		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP075907.D	21 Oct 2025 14:35		YPIAJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP075908.D	21 Oct 2025 14:51		YPIAJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP075909.D	21 Oct 2025 15:07		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP075910.D	21 Oct 2025 15:40		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP075911.D	21 Oct 2025 15:56		YPIAJ	Ok
27	AR1268ICC750	AR1268ICC750	PP075912.D	21 Oct 2025 16:12		YPIAJ	Ok
28	AR1268ICC500	AR1268ICC500	PP075913.D	21 Oct 2025 16:29		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PP075914.D	21 Oct 2025 16:45		YPIAJ	Ok
30	AR1268ICC050	AR1268ICC050	PP075915.D	21 Oct 2025 17:01		YPIAJ	Ok
31	PP102125ICV500	ICVPP102125	PP075916.D	21 Oct 2025 17:34		YPIAJ	Ok
32	AR1242ICV500	ICVPP102125AR1242	PP075917.D	21 Oct 2025 18:06		YPIAJ	Ok,M
33	AR1248ICV500	ICVPP102125AR1248	PP075918.D	21 Oct 2025 18:39		YPIAJ	Ok,M
34	AR1254ICV500	ICVPP102125AR1254	PP075919.D	22 Oct 2025 08:49		YPIAJ	Ok,M
35	AR1268ICV500	ICVPP102125AR1268	PP075920.D	22 Oct 2025 09:07		YPIAJ	Ok
36	DDT ANALOG	DDT ANALOG	PP075921.D	22 Oct 2025 09:25		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102225

Review By	yogesh	Review On	10/22/2025 11:56:05 AM
Supervise By	mohammad	Supervise On	10/27/2025 7:09:09 AM
SubDirectory	PP102225	HP Acquire Method	HP Processing Method PP102125

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	PP075922.D	22 Oct 2025 10:15		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP075923.D	22 Oct 2025 10:32		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP075924.D	22 Oct 2025 10:52		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP075925.D	22 Oct 2025 11:08		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP075926.D	22 Oct 2025 11:24		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP075927.D	22 Oct 2025 11:40		YP\AJ	Ok
7	Q3407-13	L41-A	PP075928.D	22 Oct 2025 11:57	AR1254 hit	YP\AJ	Ok,M
8	Q3407-14	L41-B	PP075929.D	22 Oct 2025 12:13	AR1254 hit	YP\AJ	Ok,M
9	Q3407-15	L42-A	PP075930.D	22 Oct 2025 12:29		YP\AJ	Ok
10	Q3407-16	L42-B	PP075931.D	22 Oct 2025 12:45		YP\AJ	Ok,M
11	Q3407-17	L43-A	PP075932.D	22 Oct 2025 13:02		YP\AJ	Ok,M
12	Q3407-18	L43-B	PP075933.D	22 Oct 2025 13:18		YP\AJ	Ok,M
13	Q3407-19	L44-A	PP075934.D	22 Oct 2025 13:34	DCB high in 1st column	YP\AJ	Ok
14	Q3407-20	L44-B	PP075935.D	22 Oct 2025 13:51		YP\AJ	Ok
15	AR1660CCC500	AR1660CCC500	PP075936.D	22 Oct 2025 14:56		YP\AJ	Ok
16	AR1242CCC500	AR1242CCC500	PP075937.D	22 Oct 2025 15:12		YP\AJ	Ok,M
17	AR1248CCC500	AR1248CCC500	PP075938.D	22 Oct 2025 15:28		YP\AJ	Ok,M
18	AR1254CCC500	AR1254CCC500	PP075939.D	22 Oct 2025 15:45		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102225

Review By	yogesh	Review On	10/22/2025 11:56:05 AM
Supervise By	mohammad	Supervise On	10/27/2025 7:09:09 AM
SubDirectory	PP102225	HP Acquire Method	HP Processing Method PP102125
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			

19	I.BLK	I.BLK	PP075940.D	22 Oct 2025 16:01		YPIAJ	Ok
20	PB170199BL	PB170199BL	PP075941.D	22 Oct 2025 16:17		YPIAJ	Ok
21	PB170199BS	PB170199BS	PP075942.D	22 Oct 2025 16:34	pass in PSEG criteria	YPIAJ	Ok,M
22	Q3415-01	50841	PP075943.D	22 Oct 2025 16:50	need 10x dilution ,AR1242 Hit	YPIAJ	Dilution
23	Q3415-02	50842	PP075944.D	22 Oct 2025 17:06	need 5x dilution , tcmx high im sec column ,AR1242 Hit	YPIAJ	Dilution
24	Q3415-03	50843	PP075945.D	22 Oct 2025 17:22	need 20x dilution , tcmx high im1st column ,AR1242 Hit	YPIAJ	Dilution
25	Q3418-01	101725	PP075946.D	22 Oct 2025 17:39	AR1016 HIT, TCMX high second column	YPIAJ	Ok,M
26	Q3418-02	101625-A	PP075947.D	22 Oct 2025 17:55	AR1016 HIT	YPIAJ	Ok
27	Q3418-03	101625-B	PP075948.D	22 Oct 2025 18:11	AR1016 HIT	YPIAJ	Ok,M
28	Q3399-01	COMP-ROLLOFF	PP075949.D	22 Oct 2025 18:27		YPIAJ	Ok
29	AR1660CCC500	AR1660CCC500	PP075950.D	22 Oct 2025 19:33		YPIAJ	Ok
30	AR1242CCC500	AR1242CCC500	PP075951.D	22 Oct 2025 20:21		YPIAJ	Ok,M
31	AR1248CCC500	AR1248CCC500	PP075952.D	22 Oct 2025 20:38		YPIAJ	Ok,M
32	AR1254CCC500	AR1254CCC500	PP075953.D	22 Oct 2025 20:54		YPIAJ	Ok,M
33	I.BLK	I.BLK	PP075954.D	22 Oct 2025 21:10		YPIAJ	Ok
34	PB170204BL	PB170204BL	PP075955.D	22 Oct 2025 21:26		YPIAJ	Ok
35	PB170204BS	PB170204BS	PP075956.D	22 Oct 2025 21:43		YPIAJ	Ok
36	Q3416-01	NB-08-10212025	PP075957.D	22 Oct 2025 21:59		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP102225

Review By	yogesh	Review On	10/22/2025 11:56:05 AM
Supervise By	mohammad	Supervise On	10/27/2025 7:09:09 AM
SubDirectory	PP102225	HP Acquire Method	HP Processing Method PP102125
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 PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852 PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	Q3416-01MS	NB-08-10212025MS	PP075958.D	22 Oct 2025 22:15		YPIAJ	Ok
38	Q3416-01MSD	NB-08-10212025MSD	PP075959.D	22 Oct 2025 22:31		YPIAJ	Ok
39	AR1660CCC500	AR1660CCC500	PP075960.D	22 Oct 2025 23:37		YPIAJ	Ok,NR
40	AR1242CCC500	AR1242CCC500	PP075961.D	23 Oct 2025 00:25		YPIAJ	Ok,M
41	AR1248CCC500	AR1248CCC500	PP075962.D	23 Oct 2025 00:41		YPIAJ	Ok,M
42	AR1254CCC500	AR1254CCC500	PP075963.D	23 Oct 2025 00:58		YPIAJ	Ok,M
43	I.BLK	I.BLK	PP075964.D	23 Oct 2025 01:14		YPIAJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137592

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
Q3399-01	COMP-ROLLOFF	13	1.15	10.96	12.11	11.00	89.9	
Q3401-01	41-CONCRETE	1	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3402-01	41-LA	2	1.15	10.90	12.05	8.69	69.2	
Q3402-02	41-LA-E2	3	1.13	10.64	11.77	10.2	85.2	
Q3402-04	41-RA	4	1.16	10.73	11.89	7.61	60.1	
Q3402-05	41-RA-E2	5	1.16	10.98	12.14	7.39	56.7	
Q3402-07	41-LB	6	1.16	10.77	11.93	8.26	65.9	
Q3402-08	41-LB-E2	7	1.16	10.95	12.11	6.22	46.2	
Q3402-10	41-RB	8	1.11	10.87	11.98	7.01	54.3	
Q3402-11	41-RB-E2	9	1.15	10.68	11.83	9.78	80.8	
Q3403-01	MH-18	10	1.19	10.49	11.68	10.75	91.1	
Q3403-02	MH-18-EPH	11	1.16	10.66	11.82	10.8	90.4	
Q3403-03	MH-18-VOC	12	1.19	11.37	12.56	11.59	91.5	
Q3404-01	MOO-25-0285-0288	14	1.15	10.74	11.89	10.22	84.5	
Q3404-03	MOO-25-0285-0288-E2	15	1.19	10.42	11.61	9.77	82.3	
Q3404-04	MOO-25-0292	16	1.18	10.22	11.4	10.5	91.2	
Q3404-07	MOO-25-0292-EPH-2	17	1.14	10.27	11.41	10.44	90.6	
Q3405-01	PAD-10-20-25-A	18	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3405-02	PAD-10-20-25-B	19	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3405-03	PAD-10-20-25-C	20	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3405-04	SW-10-20-25-A	21	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3406-01	ARS20-0037	22	1.18	11.19	12.37	11.24	89.9	
Q3406-03	ARS20-0037-E2	23	1.18	11.48	12.66	11.4	89.0	
Q3407-01	L35-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-02	L35-B	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-03	L36-A	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-04	L36-B	27	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-05	L37-A	28	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137592

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
Q3407-06	L37-B	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-07	L38-A	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-08	L38-B	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-09	L39-A	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-10	L39-B	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-11	L40-A	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-12	L40-B	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-13	L41-A	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-14	L41-B	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-15	L42-A	38	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-16	L42-B	39	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-17	L43-A	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-18	L43-B	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-19	L44-A	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-20	L44-B	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-21	L45-A	44	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-22	L45-B	45	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-23	L46-A	46	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-24	L46-B	47	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-25	L47-A	48	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-26	L47-B	49	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-27	L48-A	50	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-28	L48-B	51	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-29	L49-A	52	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-30	L49-B	53	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-31	L50-A	54	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-32	L50-B	55	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-33	L51-A	56	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137592

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
Q3407-34	L51-B	57	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-35	L52-A	58	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-36	L52-B	59	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-37	L53-A	60	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-38	L53-B	61	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-39	245F69-A	62	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-40	245F69-B	63	1.00	1.00	2.00	2.00	100.0	PILC
Q3408-01	ASPHALT-A	64	1.00	1.00	2.00	2.00	100.0	ASPHALT
Q3408-02	ASPHALT-B	65	1.00	1.00	2.00	2.00	100.0	ASPHALT
Q3408-03	ASPHALT-C	66	1.00	1.00	2.00	2.00	100.0	ASPHALT
Q3408-04	ASPHALT-D	67	1.00	1.00	2.00	2.00	100.0	ASPHALT
Q3409-01	EXCAVATION-AREA-A	68	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3409-02	EXCAVATION-AREA-B	69	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3410-01	WASTE	70	1.14	10.45	11.59	9.59	80.9	
Q3410-02	VOC	71	1.15	10.55	11.7	9.64	80.5	
Q3410-03	1	72	1.15	10.97	12.12	9.89	79.7	
Q3410-04	2	73	1.13	11.27	12.4	11.24	89.7	
Q3410-05	3	74	1.16	10.62	11.78	9.6	79.5	
Q3410-06	4	75	1.12	10.50	11.62	9.76	82.3	
Q3410-07	5	76	1.16	10.50	11.66	9.43	78.8	
Q3412-01	TP-6	77	1.14	10.81	11.95	10.84	89.7	
Q3412-02	TP-6-EPH	78	1.18	10.73	11.91	10.7	88.7	
Q3412-03	TP-6-VOC	79	1.15	10.52	11.67	10.38	87.7	
Q3413-01	BP-VPB-184-GW-980-982	80	1.14	11.55	12.69	2.00	7.4	sludge sample
Q3414-01	SB-1	81	1.13	10.12	11.25	11.17	99.2	
Q3414-02	SB-2	82	1.15	10.62	11.77	11.6	98.4	
Q3414-03	SB-3	83	1.13	10.53	11.66	11.4	97.5	
Q3414-04	SB-4	84	1.14	10.28	11.42	11.3	98.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137592

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
Q3414-05	SB-5	85	1.16	10.25	11.41	11.34	99.3	
Q3414-06	SB-6	86	1.18	10.36	11.54	11.49	99.5	
Q3414-07	SB-7	87	1.15	10.25	11.4	11.26	98.6	
Q3414-08	SB-8	88	1.19	10.25	11.44	11.14	97.1	
Q3414-09	SB-9	89	1.16	10.31	11.47	11.18	97.2	
Q3414-10	SB-10	90	1.14	10.55	11.69	11.6	99.1	
Q3414-11	SB-11	91	1.19	10.20	11.39	11.04	96.6	
Q3414-12	SB-12	92	1.18	10.10	11.28	10.9	96.2	
Q3414-13	SB-13	93	1.14	10.06	11.2	10.85	96.5	
Q3415-01	50841	94	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3415-02	50842	95	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3415-03	50843	96	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3416-01	NB-08-10212025	97	1.15	10.52	11.67	11.02	93.8	
Q3416-02	NB-08-10212025-E2	98	1.18	10.92	12.1	11.43	93.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

M 137592

WorkList Name : %1-102125

WorkList ID : 192565

Department : Wet-Chemistry

Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3399-01	COMP-ROLLOFF	Solid	Percent Solids	Cool 4 deg C	ICES02	D41	10/20/2025	Chemtech -SO
Q3401-01	41-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-01	41-LA	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-02	41-LA-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-04	41-RA	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-05	41-RA-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-07	41-LB	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-08	41-LB-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-10	41-RB	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-11	41-RB-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3403-01	MH-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3403-02	MH-18-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3403-03	MH-18-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3404-01	MOO-25-0285-0288	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3404-03	MOO-25-0285-0288-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3404-04	MOO-25-0292	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3404-07	MOO-25-0292-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3405-01	PAD-10-20-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3405-02	PAD-10-20-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3405-03	PAD-10-20-25-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3405-04	SW-10-20-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO

Date/Time 10/21/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 10/21/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

137592

WorkList Name : %1-102125

WorkList ID : 192565

Department : Wet-Chemistry

Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3406-01	ARS20-0037	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3406-03	ARS20-0037-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3407-01	L35-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-02	L35-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-03	L36-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-04	L36-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-05	L37-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-06	L37-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-07	L38-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-08	L38-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-09	L39-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-10	L39-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-11	L40-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-12	L40-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-13	L41-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-14	L41-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-15	L42-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-16	L42-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-17	L43-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-18	L43-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-19	L44-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO

Date/Time 10/21/25 15:00
Raw Sample Received by: SS WOC
Raw Sample Relinquished by: QFS

Date/Time 10/21/25 17:30
Raw Sample Received by: QFS
Raw Sample Relinquished by: SS WOC

WORKLIST(Hardcopy Internal Chain)

137592

WorkList Name : %1-102125

WorkList ID : 192565

Department : Wet-Chemistry

Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3407-20	L44-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-21	L45-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-22	L45-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-23	L46-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-24	L46-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-25	L47-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-26	L47-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-27	L48-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-28	L48-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-29	L49-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-30	L49-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-31	L50-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-32	L50-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-33	L51-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-34	L51-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-35	L52-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-36	L52-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-37	L53-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-38	L53-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-39	245F69-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-40	245F69-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO

Date/Time 10/21/25 151.00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 10/21/25
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102125

WorkList ID : 192565

Department : Wet-Chemistry

Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3408-01	ASPHALT-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3408-02	ASPHALT-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3408-03	ASPHALT-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3408-04	ASPHALT-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3409-01	EXCAVATION-AREA-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3409-02	EXCAVATION-AREA-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3410-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3412-01	TP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3412-02	TP-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3412-03	TP-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3413-01	BP-VPB-184-GW-980-982	Solid	Percent Solids	Cool 4 deg C	TETR06	D31	10/20/2025	Chemtech -SO
Q3414-01	SB-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-02	SB-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-03	SB-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-04	SB-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO

Date/Time

10/21/25 15:00

Raw Sample Received by:

TB WWC

Raw Sample Relinquished by:

OPSN

Date/Time

10/21/25

Raw Sample Received by:

CP SN

Raw Sample Relinquished by:

TB WWC

WORKLIST(Hardcopy Internal Chain)

N-137592

WorkList Name : %1-102125 WorkList ID : 192565 Department : Wet-Chemistry Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3414-05	SB-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-06	SB-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-07	SB-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-08	SB-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-09	SB-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-10	SB-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-11	SB-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-12	SB-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-13	SB-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3415-01	50841	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3415-02	50842	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3415-03	50843	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3416-01	NB-08-10212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/21/2025	Chemtech -SO
Q3416-02	NB-08-10212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/21/2025	Chemtech -SO
Q3418-01	101725	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/21/2025	Chemtech -SO
Q3418-02	101725-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/21/2025	Chemtech -SO
Q3418-03	101725-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/21/2025	Chemtech -SO

Date/Time 10/21/25 15:00
 Raw Sample Received by: SB wcc
 Raw Sample Relinquished by: cd sm

Date/Time 10/21/25 17:30
 Raw Sample Received by: cd sm
 Raw Sample Relinquished by: SB wcc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/24/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137624

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
Q3399-03	COMP-ROLLOFF	15	1.15	10.96	12.11	11.00	89.9	
Q3437-03	SS-15R(2.0-2.5)	1	1.18	10.46	11.64	10.32	87.4	
Q3437-05	SS-26(0-0.5)	2	1.16	10.19	11.35	10.17	88.4	
Q3437-11	SS-27(0-0.5)	3	1.17	10.34	11.51	10.85	93.6	
Q3437-14	SS-25(0-0.5)	4	1.11	10.33	11.44	10.34	89.4	
Q3437-16	SS-23(0-0.5)	5	1.13	10.84	11.97	11.26	93.5	
Q3439-01	TP-9	6	1.18	10.29	11.47	10.55	91.1	
Q3439-02	TP-9-EPH	7	1.19	10.61	11.8	10.87	91.2	
Q3439-03	TP-9-VOC	8	1.18	10.14	11.32	10.41	91.0	
Q3439-05	TP-10	9	1.15	10.60	11.75	10.82	91.2	
Q3439-06	TP-10-EPH	10	1.19	10.17	11.36	10.44	91.0	
Q3439-07	TP-10-VOC	11	1.18	10.31	11.49	10.37	89.1	
Q3440-01	JB-2	12	1.13	11.32	12.45	10.38	81.7	
Q3440-02	JB-2-EPH	13	1.17	10.42	11.59	9.79	82.7	
Q3440-03	JB-2-VOC	14	1.13	8.36	9.49	8.14	83.9	
Q3445-01	EO-01-102325	16	1.14	10.46	11.6	10.74	91.8	
Q3445-02	EO-01-102325-E2	17	1.16	10.40	11.56	10.57	90.5	
Q3446-01	SB-14	18	1.11	10.00	11.11	10.82	97.1	
Q3446-02	SB-15	19	1.14	10.54	11.68	11.64	99.6	
Q3446-03	SB-16	20	1.19	10.31	11.5	11.44	99.4	
Q3446-04	SB-17	21	1.19	10.13	11.32	11.27	99.5	
Q3446-05	SB-18	22	1.19	10.53	11.72	11.67	99.5	
Q3446-06	SB-19	23	1.15	10.44	11.59	11.32	97.4	
Q3446-07	SB-20	24	1.16	10.50	11.66	11.6	99.4	
Q3446-08	SB-21	25	1.14	10.08	11.22	10.9	96.8	
Q3447-01	P001-TW1-251023-01	26	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q3447-03	P001-TW2-251023-01	27	1.19	10.43	11.62	10.75	91.7	
Q3447-05	P001-TW3-251023-01	28	1.18	10.70	11.88	11.64	97.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/24/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137624

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
Q3447-07	P001-TW4-251023-01	29	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

10/23/25

WorkList Name : %1-102325

WorkList ID : 192629

Department : Wet-Chemistry

Date : 10-23-2025 08:26:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3399-03	COMP-ROLLOFF	Solid	Percent Solids	Cool 4 deg C	ICES02	D41	10/20/2025	Chemtech -SO
Q3437-03	SS-15R(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-05	SS-26(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-11	SS-27(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-14	SS-25(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-16	SS-23(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3439-01	TP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-02	TP-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-03	TP-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3439-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3440-01	JB-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3440-02	JB-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3440-03	JB-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3445-01	EO-01-102325	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/23/2025	Chemtech -SO
Q3445-02	EO-01-102325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/23/2025	Chemtech -SO
Q3446-01	SB-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-02	SB-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-03	SB-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-04	SB-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO

Date/Time 10/23/25 15:00
Raw Sample Received by: JH (wpc)
Raw Sample Relinquished by: JH (wpc)

Date/Time 10/23/25

Raw Sample Received by: JH (wpc)

Raw Sample Relinquished by: JH (wpc)

WORKLIST(Hardcopy Internal Chain)

10/23/25

WorkList Name : %1-102325

WorkList ID : 192629

Department : Wet-Chemistry

Date : 10-23-2025 08:26:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3446-05	SB-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-06	SB-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-07	SB-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-08	SB-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3447-01	P001-TW1-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-03	P001-TW2-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-05	P001-TW3-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-07	P001-TW4-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO

Date/Time 10/23/25 15:00
Raw Sample Received by: JG WWC
Raw Sample Relinquished by: JG WWC

Date/Time 10/23/25 17:30
Raw Sample Received by: JG WWC
Raw Sample Relinquished by: JG WWC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH **Extraction By:** EH

Balance check: EH **Filter By:** RS

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Start Date : 10/22/2025

Extraction Start Time : 09:20

Extraction End Date : 10/22/2025

Extraction End Time : 12:45

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious 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
10/22/25	RS (Ext Lab)	JK Test/Per Lab
12:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/22/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170204BL	ABLK204	PCB	30.03	N/A	Evelyn	RUPEsh	10			U1-1
PB170204BS	ALCS204	PCB	30.02	N/A	Evelyn	RUPEsh	10			2
Q3399-01	COMP-ROLLOFF	PCB	30.06	N/A	Evelyn	RUPEsh	10	C		3
Q3404-01	MOO-25-0285-0288	PCB	30.09	N/A	Evelyn	RUPEsh	10	E		4
Q3404-04	MOO-25-0292	PCB	30.02	N/A	Evelyn	RUPEsh	10	E	Small Particles	5
Q3408-01	ASPHALT-A	PCB	30.05	N/A	Evelyn	RUPEsh	10			6
Q3408-02	ASPHALT-B	PCB	30.08	N/A	Evelyn	RUPEsh	10			U2-1
Q3408-03	ASPHALT-C	PCB	30.01	N/A	Evelyn	RUPEsh	10			2
Q3408-04	ASPHALT-D	PCB	30.04	N/A	Evelyn	RUPEsh	10			3
Q3409-01	EXCAVATION-AREA-A	PCB	30.06	N/A	Evelyn	RUPEsh	10	B		4
Q3409-02	EXCAVATION-AREA-B	PCB	30.09	N/A	Evelyn	RUPEsh	10	B		5
Q3414-01	SB-1	PCB	30.02	N/A	Evelyn	RUPEsh	10	B		6
Q3414-02	SB-2	PCB	30.08	N/A	Evelyn	RUPEsh	10	B		U3-1
Q3414-03	SB-3	PCB	30.06	N/A	Evelyn	RUPEsh	10	B		2
Q3414-04	SB-4	PCB	30.04	N/A	Evelyn	RUPEsh	10	B		3
Q3414-05	SB-5	PCB	30.07	N/A	Evelyn	RUPEsh	10	B		4
Q3414-06	SB-6	PCB	30.10	N/A	Evelyn	RUPEsh	10	B		5
Q3414-07	SB-7	PCB	30.03	N/A	Evelyn	RUPEsh	10	B		6
Q3414-08	SB-8	PCB	30.06	N/A	Evelyn	RUPEsh	10	B		U5-1
Q3414-09	SB-9	PCB	30.09	N/A	Evelyn	RUPEsh	10	B		2
Q3414-10	SB-10	PCB	30.02	N/A	Evelyn	RUPEsh	10	B		3
Q3416-01	NB-08-10212025	PCB	30.05	N/A	Evelyn	RUPEsh	10	E		4
Q3416-01MS	NB-08-10212025MS	PCB	30.08	N/A	Evelyn	RUPEsh	10	E		5
Q3416-01MS D	NB-08-10212025MSD	PCB	30.06	N/A	Evelyn	RUPEsh	10	E		6

* Extracts relinquished on the same date as received.

Q3399-PCB

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3399 WorkList ID : 192606 Department : Extraction Date : 10-22-2025 08:50:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3399-01	COMP-ROLLOFF	Solid	PCB	Cool 4 deg C	ICES02	D41	10/20/2025	8082A
Q3404-01	MOO-25-0285-0288	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A
Q3404-04	MOO-25-0292	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A
Q3408-01	ASPHALT-A	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A
Q3408-02	ASPHALT-B	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A
Q3408-03	ASPHALT-C	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A
Q3408-04	ASPHALT-D	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A
Q3409-01	EXCAVATION-AREA-A	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A
Q3409-02	EXCAVATION-AREA-B	Solid	PCB	Cool 4 deg C	PSEG03	D41	10/20/2025	8082A
Q3414-01	SB-1	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-02	SB-2	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-03	SB-3	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-04	SB-4	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-05	SB-5	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-06	SB-6	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-07	SB-7	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-08	SB-8	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-09	SB-9	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3414-10	SB-10	Solid	PCB	Cool 4 deg C	PSEG03	D32	10/21/2025	8082A
Q3416-01	NB-08-10212025	Solid	PCB	Cool 4 deg C	PSEG05	D31	10/21/2025	8082A

Date/Time

10/22/25

9:15

Raw Sample Received by:

RS (Ext Lab)

CP SW

Raw Sample Relinquished by:

RS (Ext Lab)

CP SW

Date/Time

10/22/25

9:50

Raw Sample Received by:

CP SW

Raw Sample Relinquished by:

RS (Ext Lab)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

Prep Standard - Chemical Standard Summary

Order ID : Q3399

Test : PCB

Prepbatch ID : PB170204,

Sequence ID/Qc Batch ID: po102225,PO102325,pp102225,pp102325,PP102425,

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,P 11522,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								

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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	07/28/2026	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
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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.**

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MONTERREY, N.L. MÉXICO
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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

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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

avantor™



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 HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - 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
MB

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H 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 +1.610.386.1704 of 493

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.

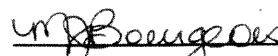
Expiration of Certification:

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:

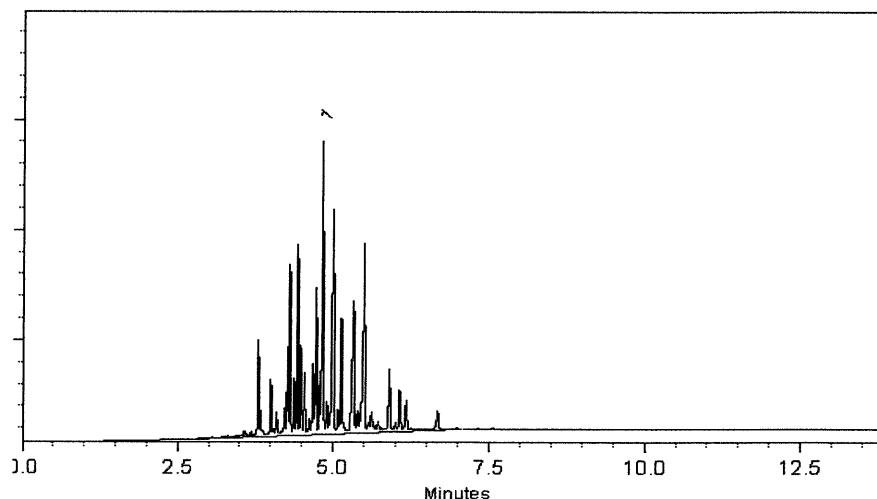
250°C

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

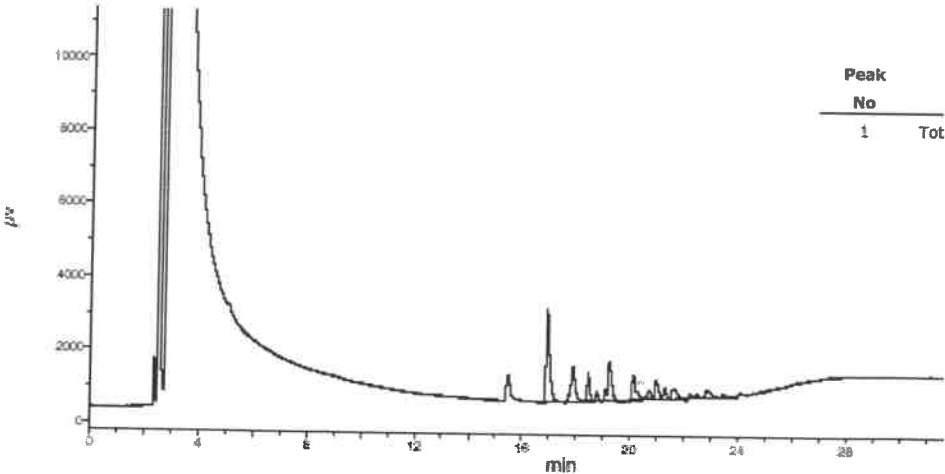
Weight(s) shown below were combined and diluted to (mL): 100.0 0.057
5E-05 Balance Uncertainty
Flask Uncertainty

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



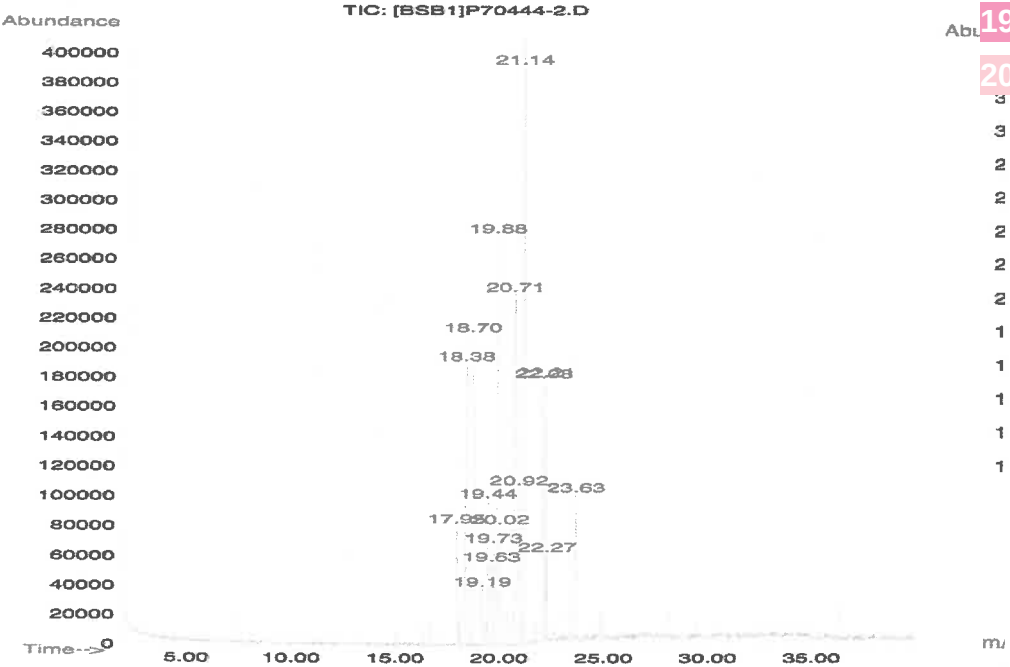


CERTIFIED WEIGHT REPORT

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 Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 022023
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
Expiration Date: 022033
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

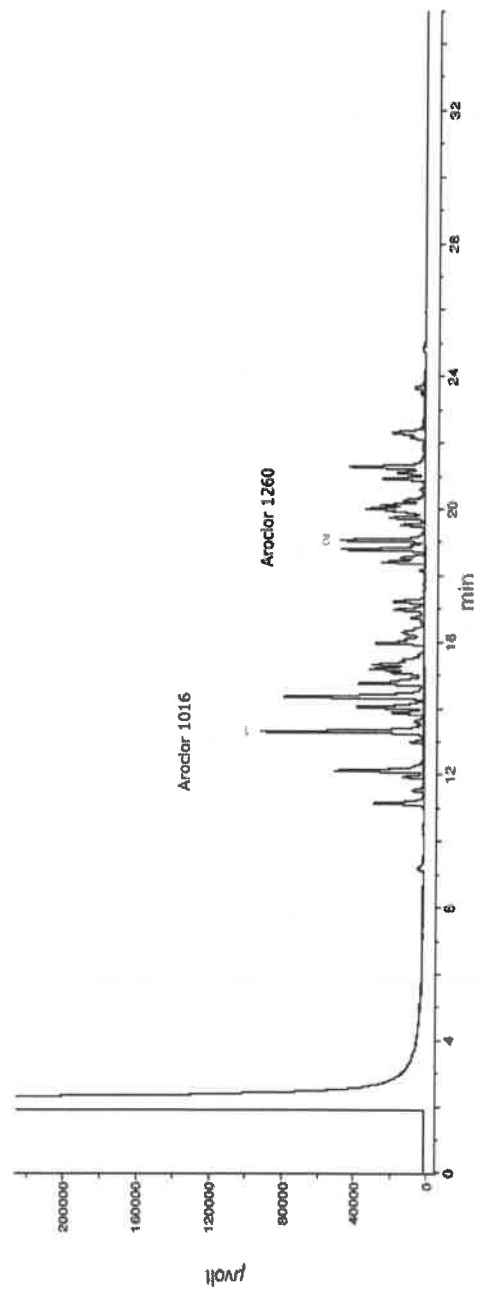
Solvent(s): Hexane Lot# 273615
5E-05 Balance Uncertainty
0.010 Flask Uncertainty
Nominal Conc (µg/mL): 200.0
Weight(s) shown below were combined and diluted to (mL):

Formulated By: Benson Chan DATE 022023
Reviewed By: Pedro L. Rentas DATE 022023

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
										(Solvent Safety Info. On Attached pg.)	(SHA 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
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3 orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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 Stortier
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 = 280°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 = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3



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Certified Reference Material CRM

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

Formulated By: Benson Chan
Reviewed By: Pedro L. Rentas

DATE: 022023
DATE: 022023

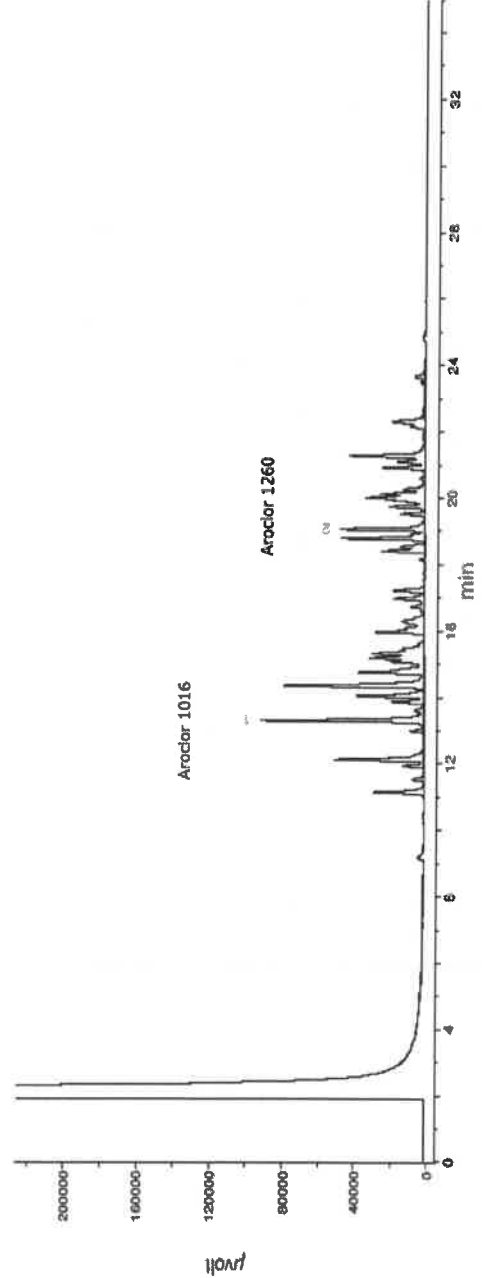
Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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 Stortier
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 = 280°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 = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3



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- 18
- 19
- 20



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

99139
121823
Aroclor 1254

Solvent(s):
Lot#

Formulated By: Anthony Mahoney
121823
DATE

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

121833
Ambient (20 °C)
100
6UTB

Volume(s) shown below were combined and diluted to (mL):
Note: Aroclor 1254 is a mix of isomers.

5E-05
0.003
Balance Uncertainty
Flask Uncertainty

Reviewed By: Pedro L. Rentas
121823
DATE

Expanded
Uncertainty
(+/-) (µg/mL)

Final
Conc. (µg/mL)

Initial
Conc. (µg/mL)

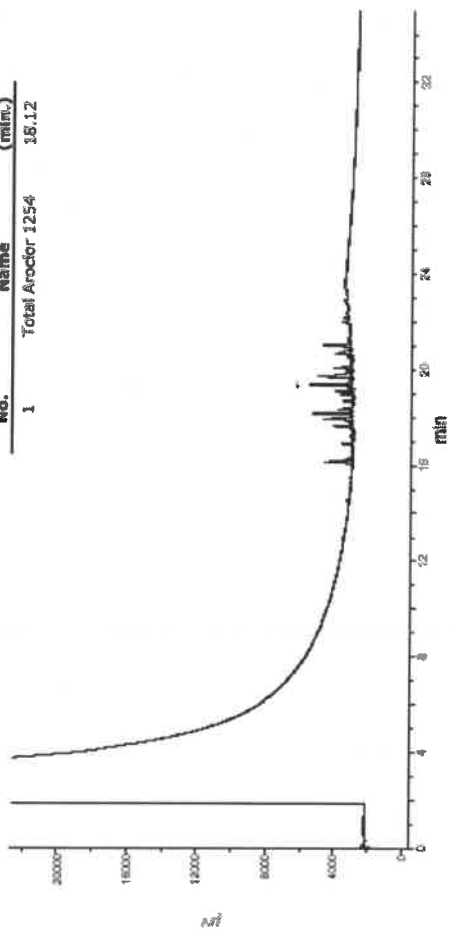
SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

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)	or-rat
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1 0.5mg/m3 (skin) or-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 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 = 250 °C (Time 2 = 13.5 min)
Rate = 8 °C/min, Total run time = 35 min
Injector temp. = 200 °C, FID Temp. = 300 °C, FID Signal = Edaq Channel 1
Standard Injection = 1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

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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:

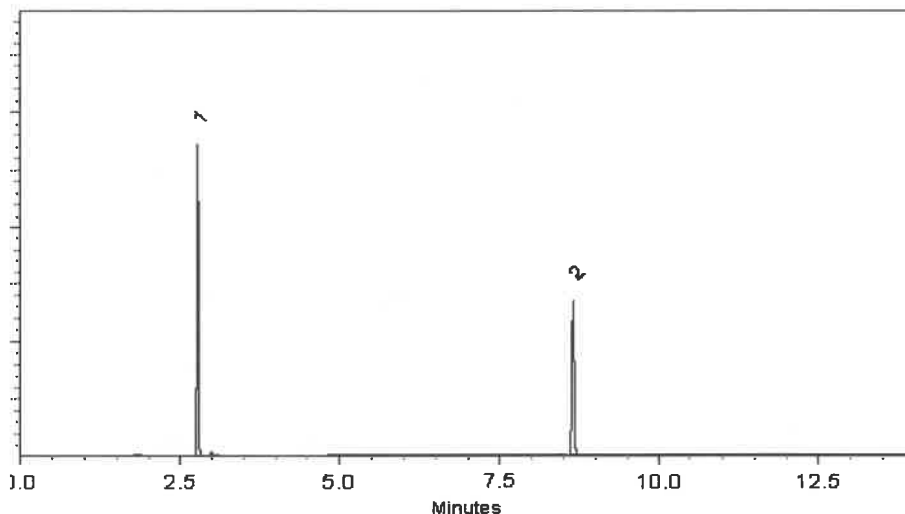
ECD

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 J 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
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P 13357
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SAUF
04/25/2025



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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%

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[Signature]
05/6/2024

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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.)

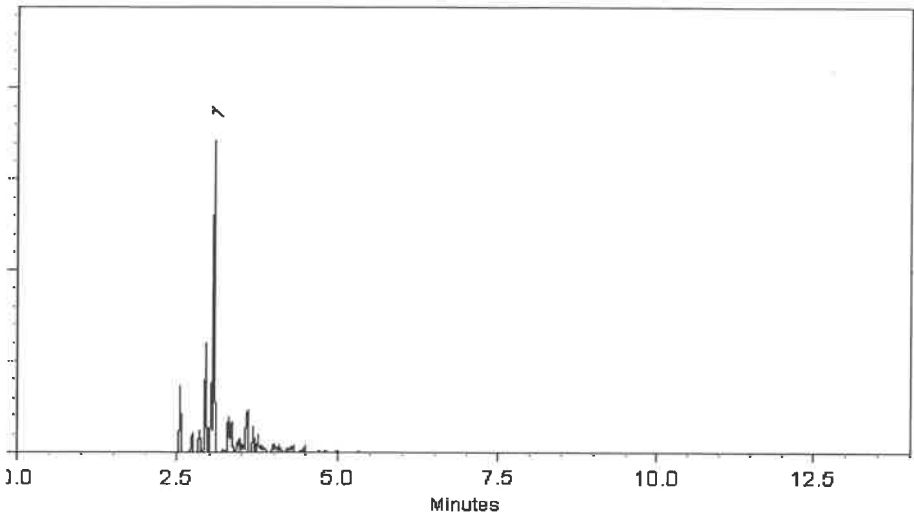
Inj. Temp:
250°C

Det. Temp:
300°C

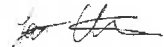
Det. Type:
ECD

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

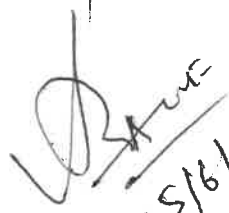
Date Mixed: 06-Feb-2024 **Balance Serial #** 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Feb-2024

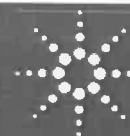
Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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P 13375 }

✓ 
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ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1242	100.4	± 0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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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
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P13592

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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



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

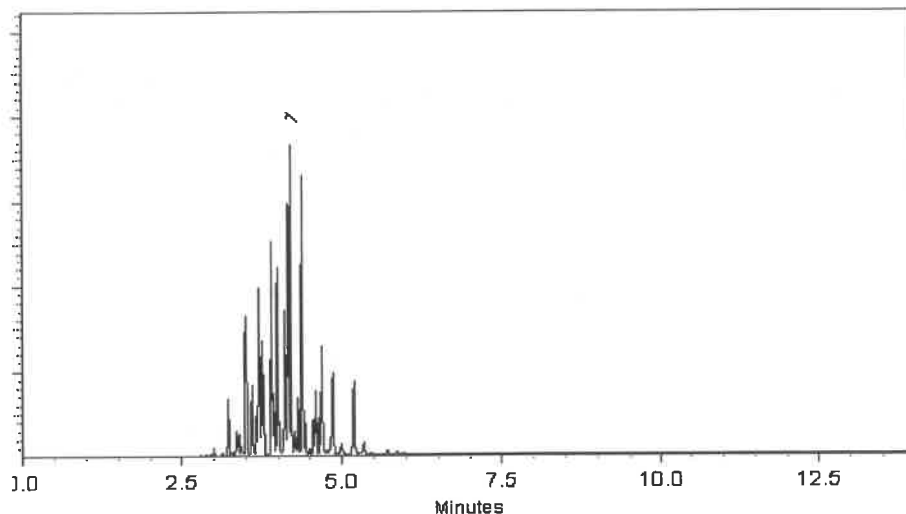
ECD

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.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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P13701 } Y.P.
10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

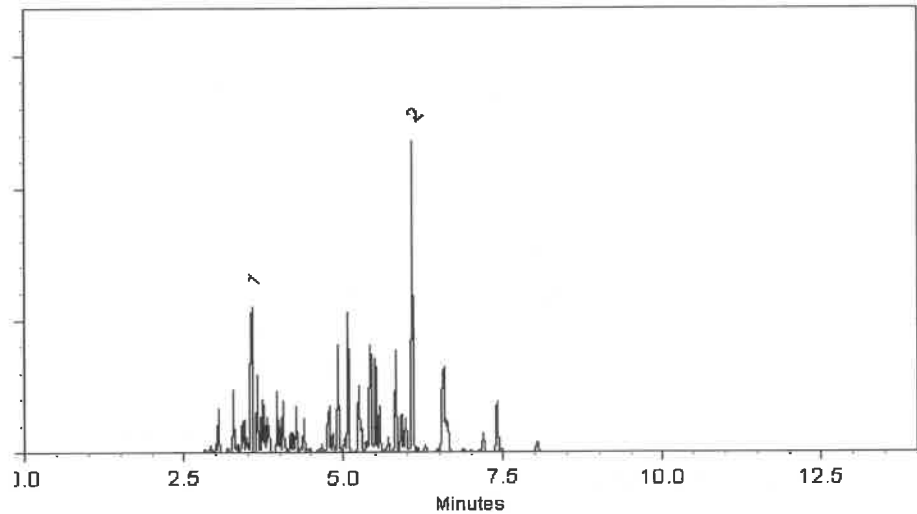
ECD

Split Vent:

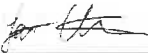
10 ml/min.

Inj. Vol

0.2µl

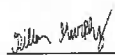


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B442140311


Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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:

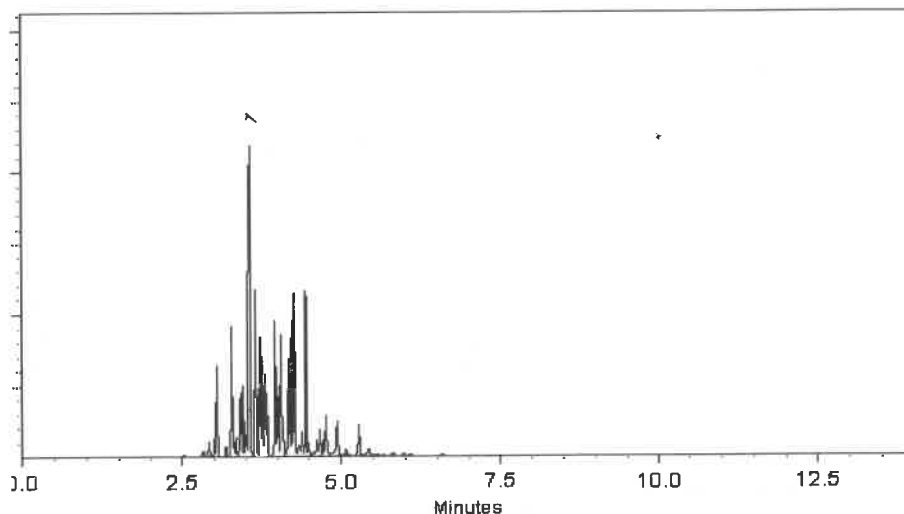
ECD

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.

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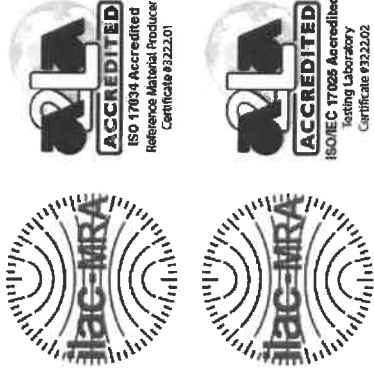
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. :

32000

Lot No.:

A0214495

Description :

Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size :

2 mL

Pkg Amt:

> 1 mL

Expiration Date :

October 31, 2030

Storage:

10°C or colder

Handling:

Contains PCBs - sonicate prior to use.

Ship:

Ambient

P19785
AJ
11/19/24
P19789

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.)

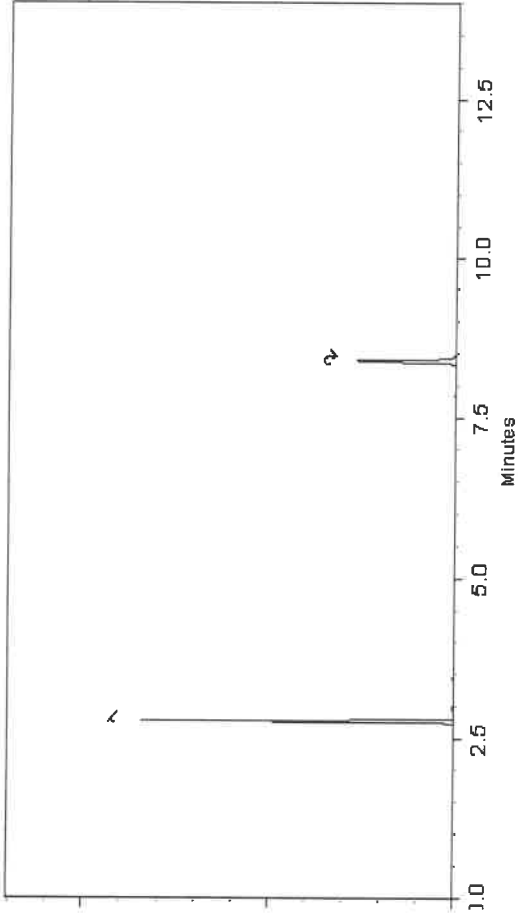
Inj. Temp:
250°C

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. P.

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



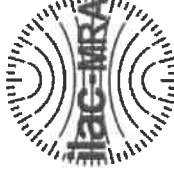
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
AJ
11/19/24
P19789

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.

Column:
30m x 25mm x 2um
DB-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

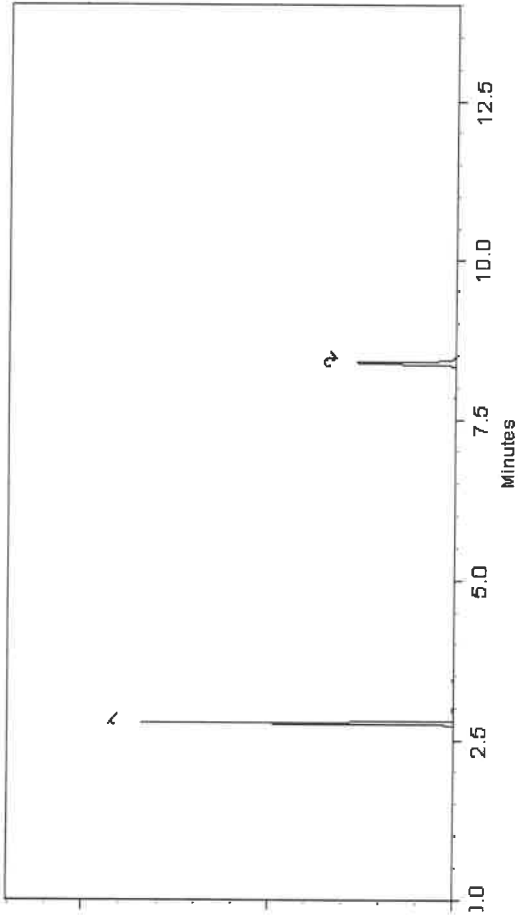
Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl

Quality Confirmation Test



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. P.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 Balance Serial # B345965662

Jennifer Pollino

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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.)

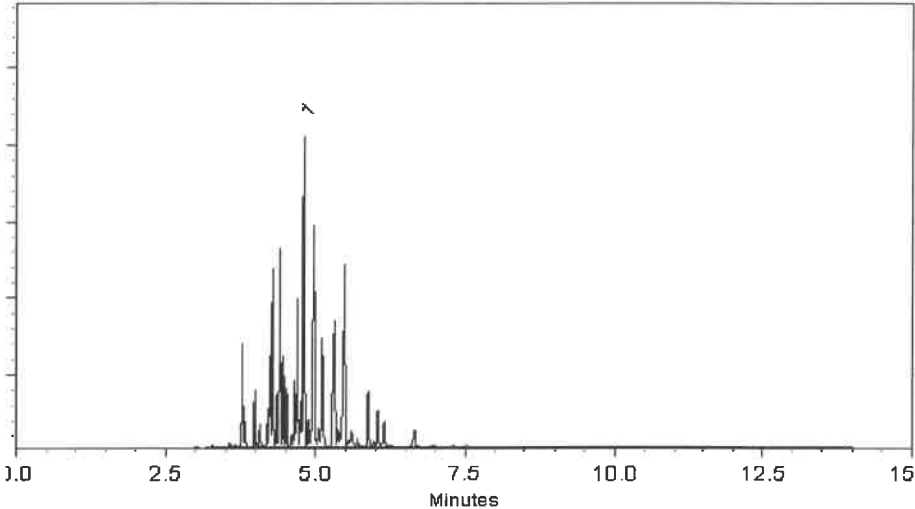
Inj. Temp:
250°C

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

Date Mixed: 02-Oct-2024 Balance Serial # C322230531

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

P13878



AJ
01/28/25

P13880

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

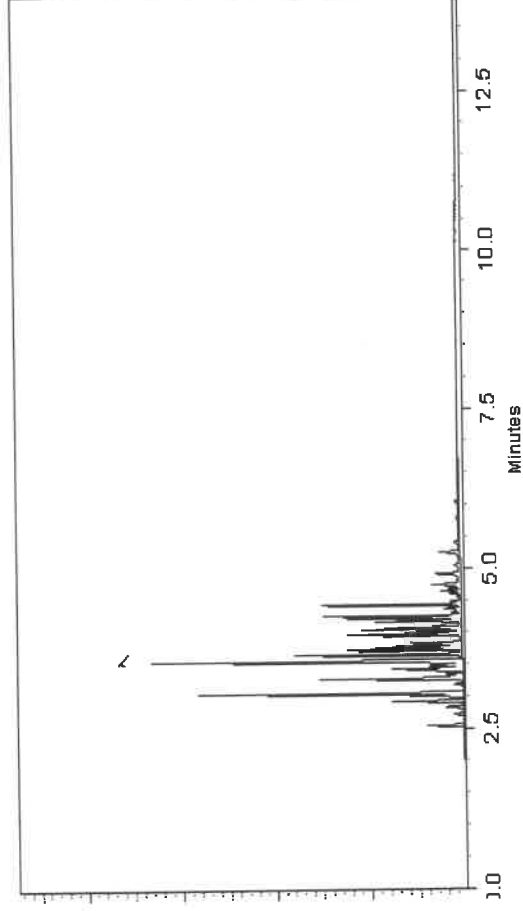
Split Vent:

10 ml/min.

Inj. Vol

1µl

Quality Confirmation Test



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 Federhik***Brittany Federhiko - Operations Tech I****Date Passed:** 05-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

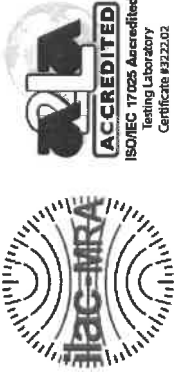
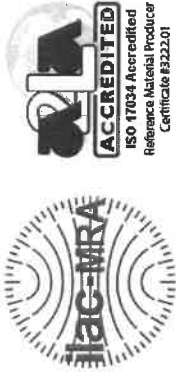
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Fax: 1-814-353-1309

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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
01128125

Quality Confirmation Test

Column:
CD30m 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.)

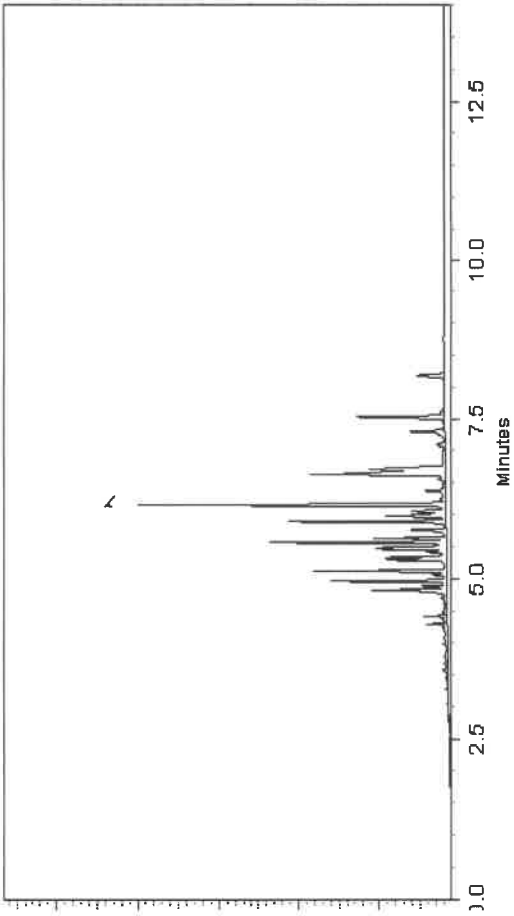
Inj. Temp:
250°C

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 Gingrich - Operations Tech II


Jennifer Pollino - Operations Tech III - ARM QC

Date Mixed:	25-Sep-2024	Balance Serial #	C322230531
Date Passed:	30-Sep-2024		

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



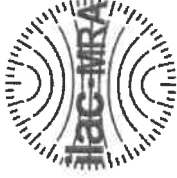
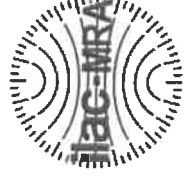
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

P13884
AJ
01/28/25
P13886

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.)

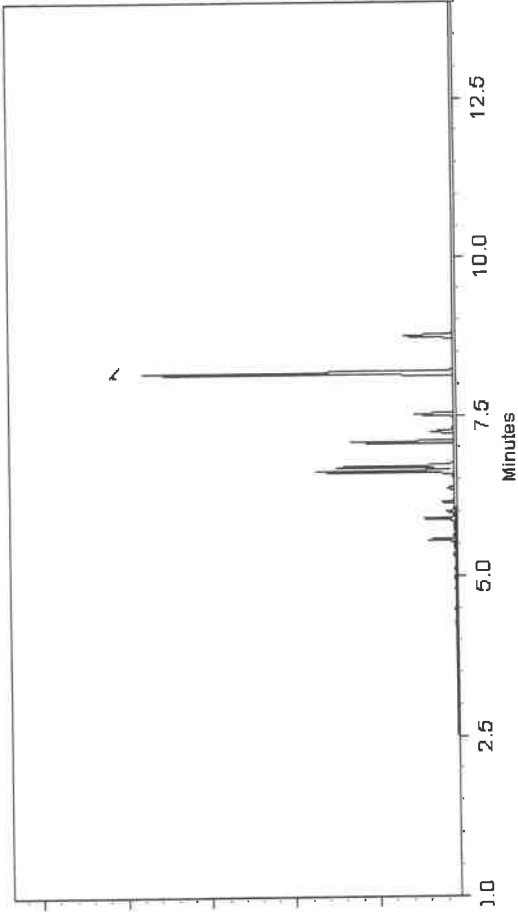
Inj. Temp:
250°C

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

Stacey Wanner - Operations Technician I

Date Mixed: 01-Oct-2024 Balance Serial # 1128360905

Jennifer Pollino

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 Products

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

W3234 JB
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
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- 8
- 9
- 10
- 11
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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: TCE Service Group, Inc.
ADDRESS: 125 Bloomingdale Rd
CITY Levittown STATE: N.Y. ZIP:
ATTENTION: Dennis d. Morgan, II
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ICES 02
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY Stun STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 72 HR TAT DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. TCL 2. TCLP 3. Hev 4. DF 5. PL 6. 7. 8. 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	<u>Comp-Rolloff</u>	<u>50L</u>	<u>X</u>		<u>10-20-25</u>	<u>12:00</u>	<u>6</u>			<u>X</u>	<u>X</u>	<u>X</u>					<u>PID = 1.3</u>	
2.		<u>I</u>		<u>X</u>	<u>I</u>	<u>12:04</u>	<u>3</u>	<u>X</u>	<u>X</u>								<u>PID = 1.3</u>	
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>1300</u> <u>10-20-2025</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>35</u> °C Comments: <u>*PID Meter Calibrated 10-20-2025 *</u> <u>Equal Volume of soil used,</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1759</u> <u>10-20-2025</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Project Name: ICES 02

Sampler Name: Lawrence Carter
Client Project Coordinator & Phone:

Service Order #: _____
 Work Order #: _____
 Labor WBS #: _____
 Facility/Site: _____

Page #: 1 of 1

Site Address: 122-21

Date: 10.20.2025

Site Address: 125 B/auxiliary

Arrive Time: 11:28 AM

no. 22111000, n.y.

Depart Time: 1300

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction

Sample Matrices (circle all that apply): Water ☒ Solid ☐ NAPL / Concrete / Wastewater / Mineral construction / Atrac tank

Solid NAPL / Concrete / Wipe

6

Collection Depths:

Temp (range):

٥٠

Temp (range): _____ °C
PID Readings (range): _____

PID Readings (range):

Dimensions/CY:

PPM

Odor: Y / (N)

Odor: Y / (N) Color: (Y) / N

Sample Description:

Water Soil, Soil Water

Field Observations:

Sampled, GRB47191RT, RBR 2520555, Freight 0760450
(Comp Roll 107F) 2

Grid/Area Composite Map:

QA Control # A3041134

fraction
0760450
 $P_{10} = 0.7$

40

RB47191RT
PID = 1.3
CURAB-VOL

X
X
X
X
X

$P_{BR} = 2.520555$
 $P_{IO} = 0.7$

$$z \cdot 0 = 0 \cdot z$$

x
x
x
x
x

Comp Roll off
samples

collected composite samples

Sampler Signature:

74

10.20.2025

Supervisor Review/Date:

Client Signature: _____

Erindefin

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3399 ICES02
Client Name : ICE Service Group, Inc.
Client Contact : Dennis D. Morgan, II
Invoice Name : ICE Service Group, Inc.
Invoice Contact : Dennis D. Morgan, II

Order Date : 10/20/2025 1:23:08 PM
Project Name : NWIRP Northrup Grumman
Receive Date Time : 10/20/2025 12:00:00 AM
Purchase Order : 5:54 PM

Project Mgr :
Report Type : NYS ASP A
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3399-03	COMP-ROLLOFF	Solid	10/20/2025	12:04	VOC-TCLVOA-10		8260D		3 Bus. Days

Relinquished By :

Date / Time : 10/21/25 0740

Received By :

Date / Time : 10/21/25 08:00

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
 Data File : PP075960.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Oct 2025 23:37
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:39:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Oct 21 18:24:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.644	3.783	68523341	359.6E6	47.949	54.336
2) SA Decachlor...	10.418	8.782	52071919	352.6E6	48.370	42.880
Target Compounds						
3) L1 AR-1016-1	5.797	4.879	28376623	406.1E6	479.934	548.716
4) L1 AR-1016-2	5.818	4.936	41895010	214.7E6	473.689	627.756 #
5) L1 AR-1016-3	5.881	5.056	26551222	114.4E6	479.688	557.340
6) L1 AR-1016-4	5.978	5.097	22027589	108.1E6	484.760	578.511
7) L1 AR-1016-5	6.270	5.311	20007515	113.8E6	460.944	499.120
8) L2 AR-1221-1	4.841	3.994	3178106	12861687	157.514	142.893
9) L2 AR-1221-2	4.930	4.077	4298993	18592832	285.431	294.294
10) L2 AR-1221-3	5.006	4.153	15865700	79394940	338.176	374.441
11) L3 AR-1232-1	5.006	4.153	15865700	79394940	403.555	472.465
12) L3 AR-1232-2	5.532	4.879	20586465	406.1E6	998.001	1365.118 #
13) L3 AR-1232-3	5.818	5.056	41895010	114.4E6	1084.248	1399.658 #
14) L3 AR-1232-4	5.978	5.138	22027589	215.2E6	1091.961	2533.927 #
15) L3 AR-1232-5	6.067	5.311	18432568	113.8E6	1176.831	1130.547
16) L4 AR-1242-1	5.797	4.879	28376623	406.1E6	592.330	706.642
17) L4 AR-1242-2	5.818	4.936	41895010	214.7E6	591.806	773.483 #
18) L4 AR-1242-3	5.881	5.056	26551222	114.4E6	581.731	727.046
19) L4 AR-1242-4	5.978	5.138	22027589	215.2E6	605.830	1162.757 #
20) L4 AR-1242-5	6.708	5.659	7226347	134.7E6	176.494	585.104 #
21) L5 AR-1248-1	5.797	4.879	28376623	406.1E6	791.083	1081.273 #
22) L5 AR-1248-2	6.067	5.097	18432568	108.1E6	378.147	439.658
23) L5 AR-1248-3	6.270	5.138	20007515	215.2E6	368.702	750.247 #
24) L5 AR-1248-4	6.645	5.311	26743256	113.8E6	402.977	402.498
25) L5 AR-1248-5	6.708	5.694	7226347	51328708	111.413	98.774
26) L6 AR-1254-1	6.645	5.659	26743256	134.7E6	334.736	238.853 #
27) L6 AR-1254-2	6.860	5.806	16784924	110.7E6	167.876	208.814
28) L6 AR-1254-3	7.222	6.223	10930455	202.6E6	105.146	238.019 #
29) L6 AR-1254-4	7.506	6.436	7348197	19062806	87.883	30.269 #
30) L6 AR-1254-5	7.921	6.851	51780917	265.8E6	565.474	369.187 #
31) L7 AR-1260-1	7.388	6.338	34433307	238.5E6	500.800	435.452
32) L7 AR-1260-2	7.641	6.525	41896571	373.8E6	467.714	459.312
33) L7 AR-1260-3	8.000	6.678	33664748	274.9E6	485.877	488.447
34) L7 AR-1260-4	8.227	7.147	35502767	247.8E6	517.749	477.186
35) L7 AR-1260-5	8.553	7.387	70342258	611.6E6	475.441	451.152
36) L8 AR-1262-1	8.227	6.888	35502767	369.0E6	422.521	373.863
37) L8 AR-1262-2	8.553	7.147	70342258	247.8E6	429.783	352.411
38) L8 AR-1262-3	8.883	7.669	47791829	135.0E6	392.422	222.424 #
39) L8 AR-1262-4	8.964	7.732	31869978	411.0E6	345.993	373.145
40) L8 AR-1262-5	9.636	8.227	24289768	134.7E6	358.126	291.956
41) L9 AR-1268-1	8.883	7.669	47791829	135.0E6	231.397	74.560 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102225\
Data File : PP075960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Oct 2025 23:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 13:39:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP102125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 21 18:24:24 2025
Response via : Initial Calibration
Integrator: ChemStation

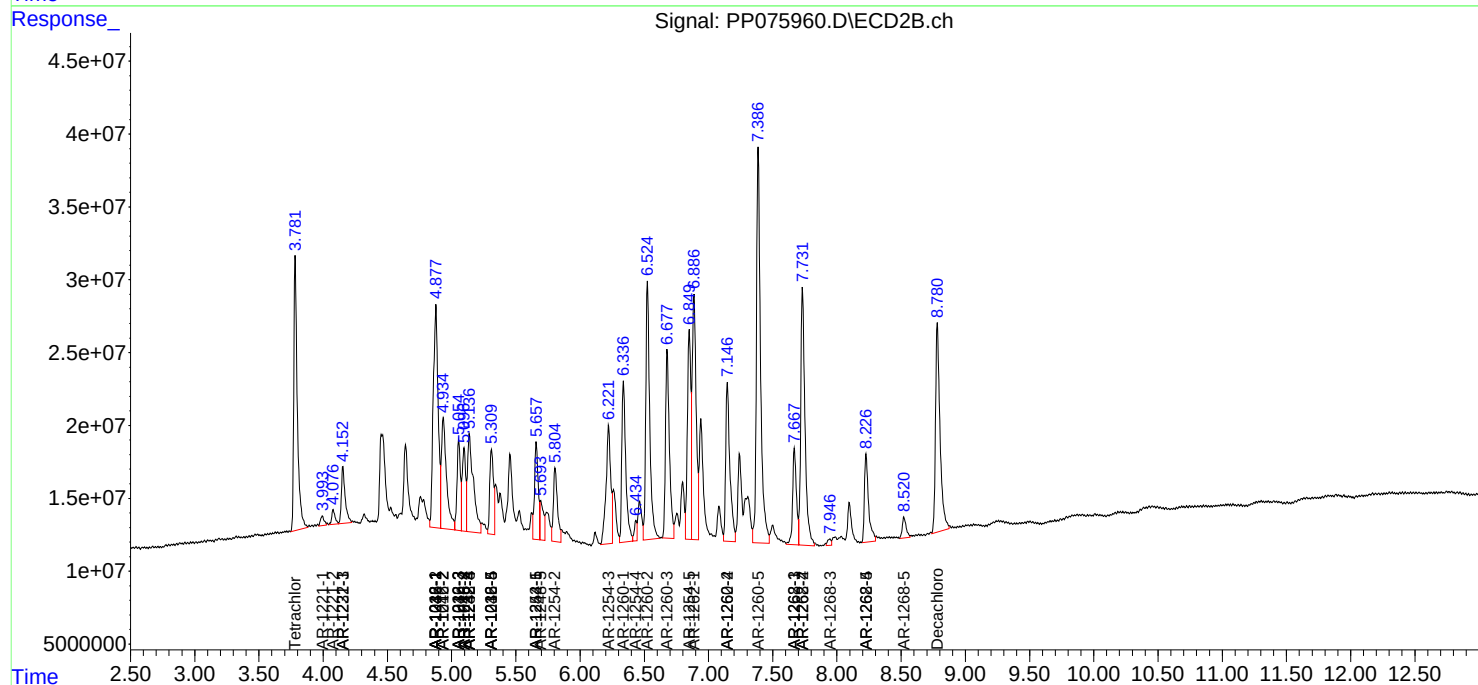
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

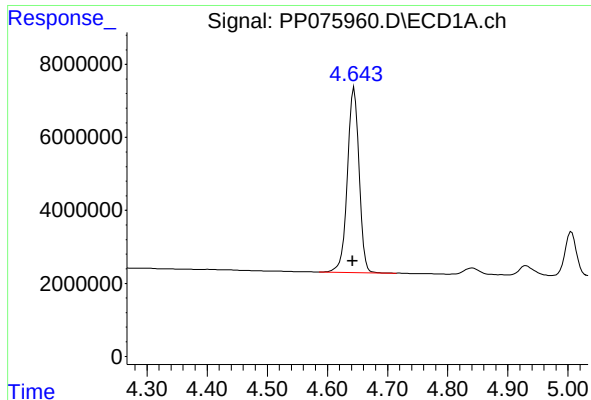
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
42) L9	AR-1268-2	8.964	7.732	31869978	411.0E6	169.285	236.848 #
43) L9	AR-1268-3	9.207	7.947	1000507	8419987	6.447	6.159
44) L9	AR-1268-4	9.636	8.227	24289768	134.7E6	308.845	260.386
45) L9	AR-1268-5	10.065	8.521	7715153	30385444	16.060	8.056 #

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

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

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

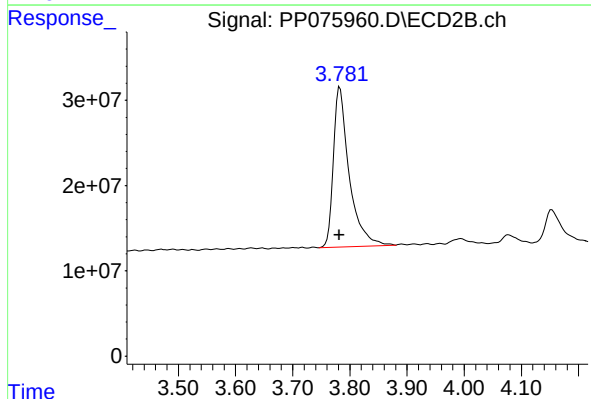




#1 Tetrachloro-m-xylene

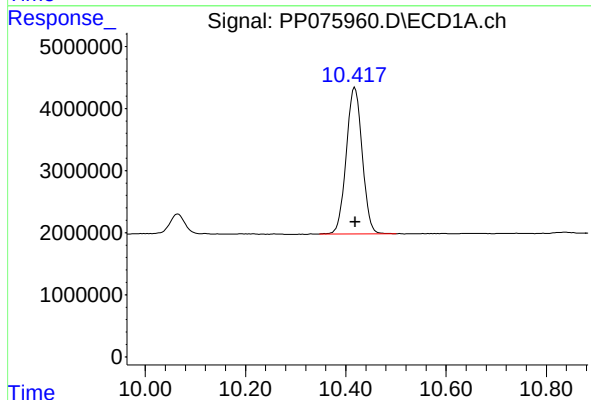
R.T.: 4.644 min
Delta R.T.: 0.002 min
Response: 68523341
Conc: 47.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



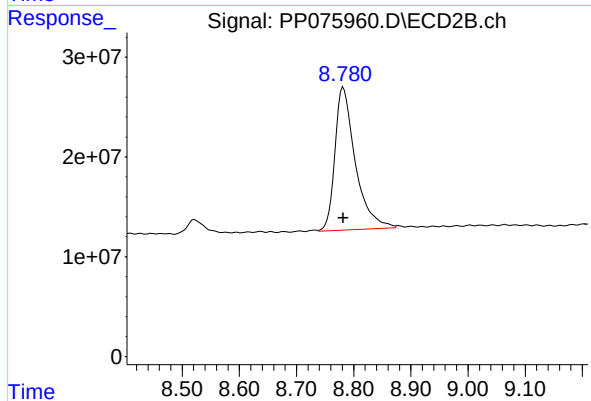
#1 Tetrachloro-m-xylene

R.T.: 3.783 min
Delta R.T.: 0.001 min
Response: 359611298
Conc: 54.34 ng/ml



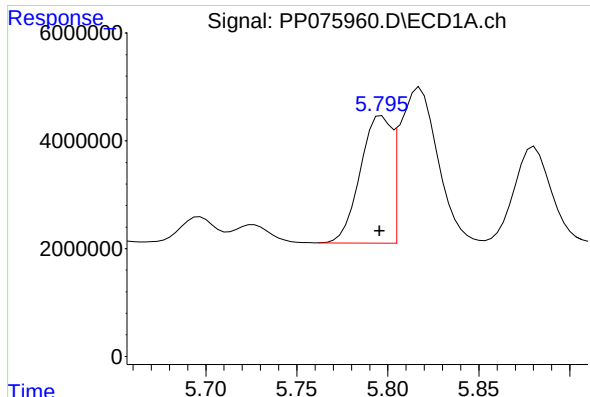
#2 Decachlorobiphenyl

R.T.: 10.418 min
Delta R.T.: 0.000 min
Response: 52071919
Conc: 48.37 ng/ml



#2 Decachlorobiphenyl

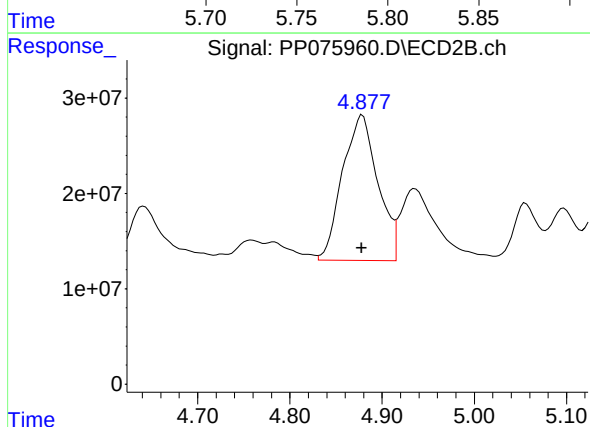
R.T.: 8.782 min
Delta R.T.: 0.000 min
Response: 352600704
Conc: 42.88 ng/ml



#3 AR-1016-1

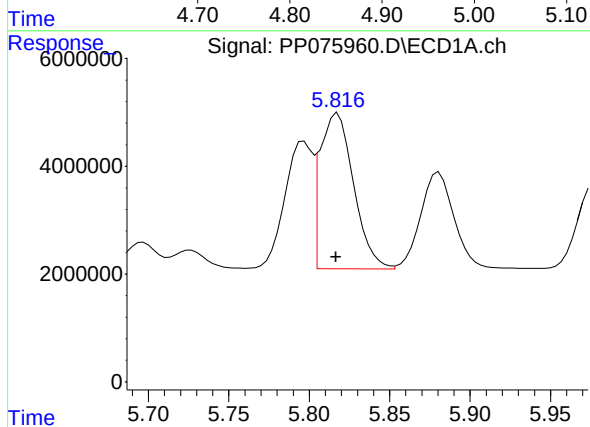
R.T.: 5.797 min
Delta R.T.: 0.001 min
Response: 28376623
Conc: 479.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



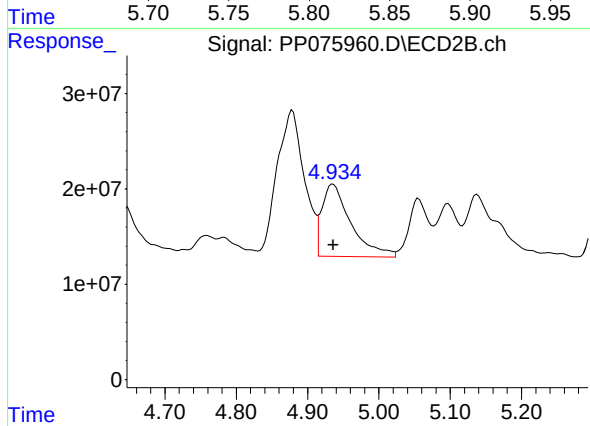
#3 AR-1016-1

R.T.: 4.879 min
Delta R.T.: 0.000 min
Response: 406144540
Conc: 548.72 ng/ml



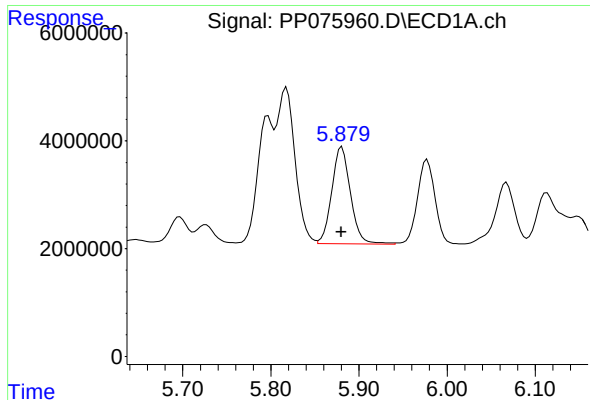
#4 AR-1016-2

R.T.: 5.818 min
Delta R.T.: 0.000 min
Response: 41895010
Conc: 473.69 ng/ml



#4 AR-1016-2

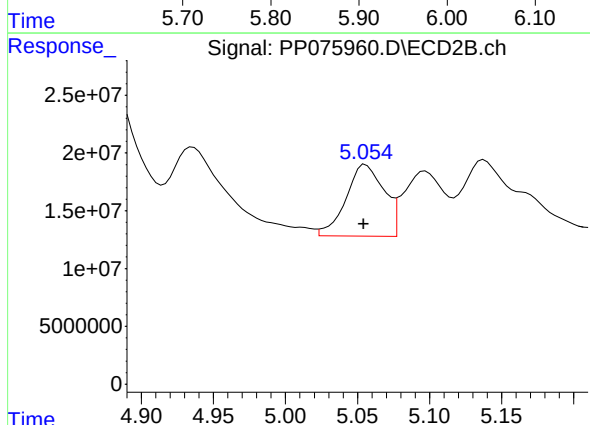
R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 214650224
Conc: 627.76 ng/ml



#5 AR-1016-3

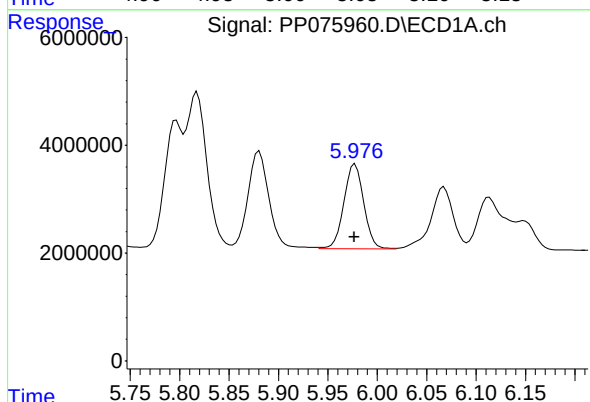
R.T.: 5.881 min
Delta R.T.: 0.000 min
Response: 26551222
Conc: 479.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



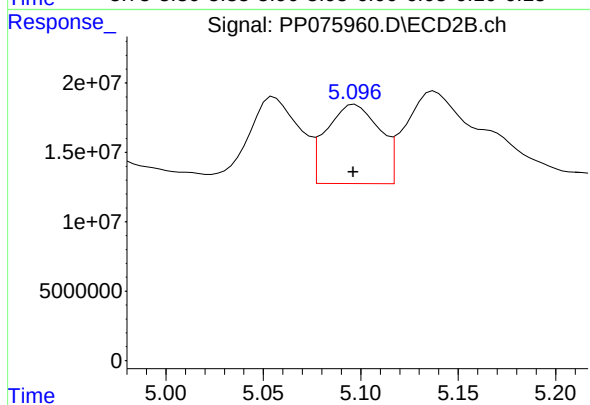
#5 AR-1016-3

R.T.: 5.056 min
Delta R.T.: 0.001 min
Response: 114445509
Conc: 557.34 ng/ml



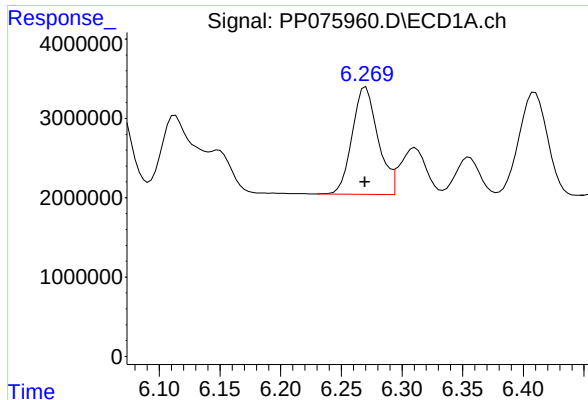
#6 AR-1016-4

R.T.: 5.978 min
Delta R.T.: 0.000 min
Response: 22027589
Conc: 484.76 ng/ml



#6 AR-1016-4

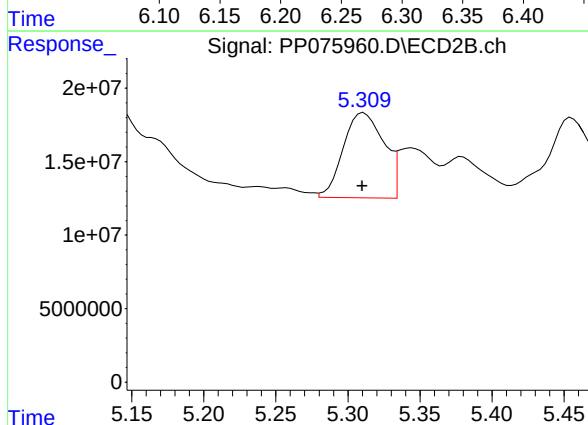
R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 108115330
Conc: 578.51 ng/ml



#7 AR-1016-5

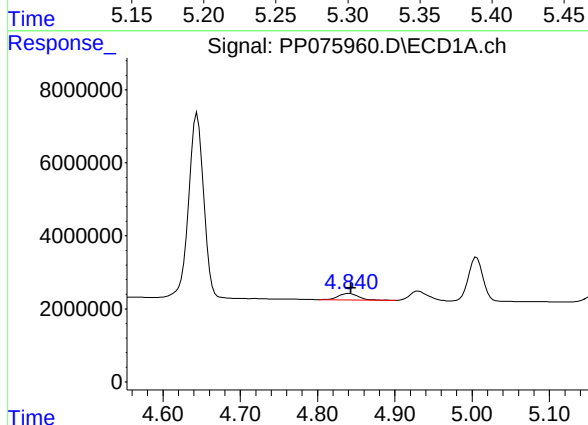
R.T.: 6.270 min
Delta R.T.: 0.000 min
Response: 20007515
Conc: 460.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



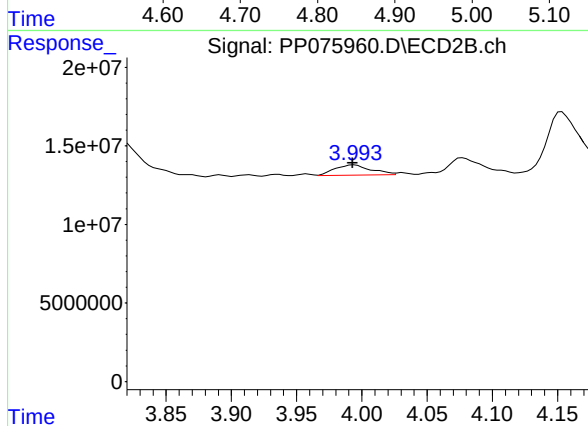
#7 AR-1016-5

R.T.: 5.311 min
Delta R.T.: 0.000 min
Response: 113790794
Conc: 499.12 ng/ml



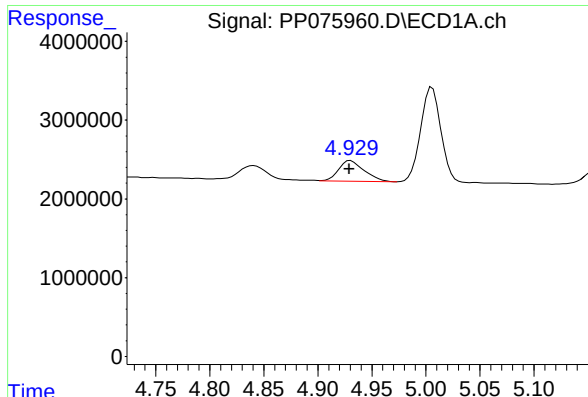
#8 AR-1221-1

R.T.: 4.841 min
Delta R.T.: -0.002 min
Response: 3178106
Conc: 157.51 ng/ml



#8 AR-1221-1

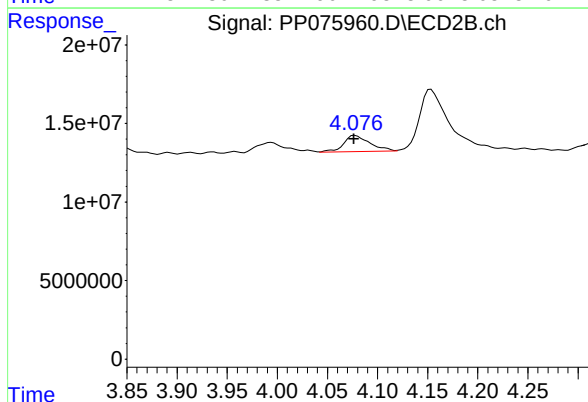
R.T.: 3.994 min
Delta R.T.: 0.001 min
Response: 12861687
Conc: 142.89 ng/ml



#9 AR-1221-2

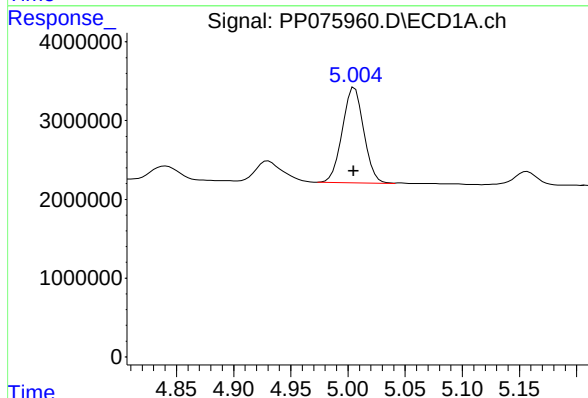
R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 4298993
Conc: 285.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



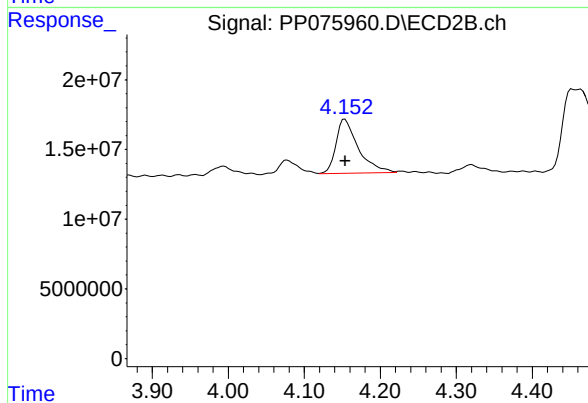
#9 AR-1221-2

R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 18592832
Conc: 294.29 ng/ml



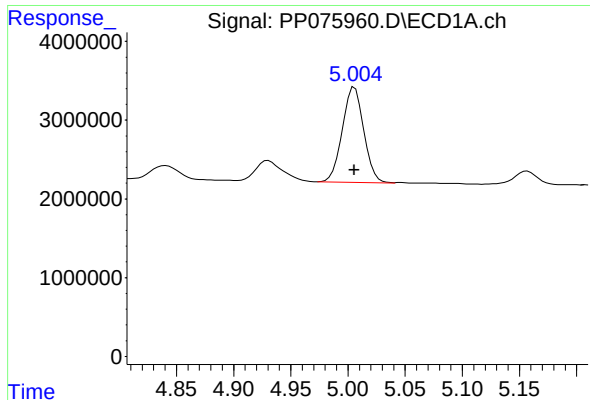
#10 AR-1221-3

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 15865700
Conc: 338.18 ng/ml



#10 AR-1221-3

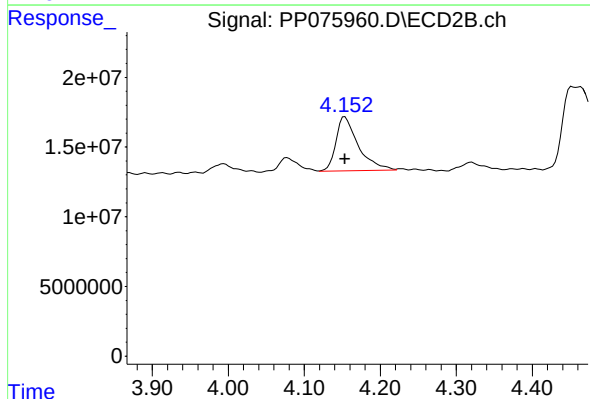
R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 79394940
Conc: 374.44 ng/ml



#11 AR-1232-1

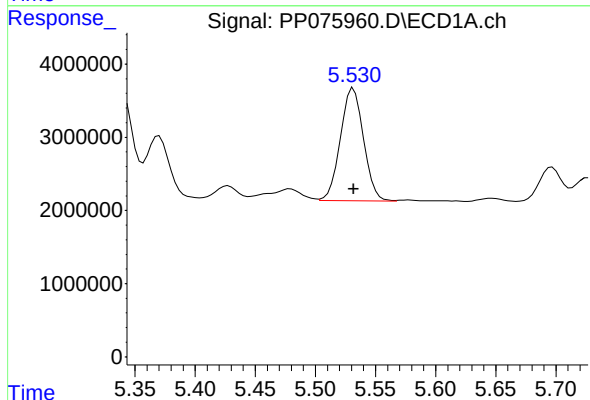
R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 15865700
Conc: 403.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



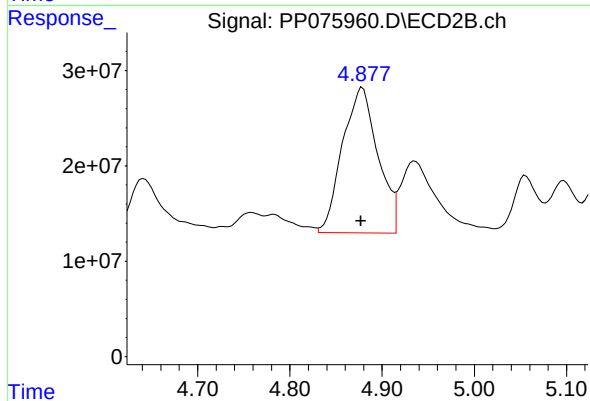
#11 AR-1232-1

R.T.: 4.153 min
Delta R.T.: 0.000 min
Response: 79394940
Conc: 472.46 ng/ml



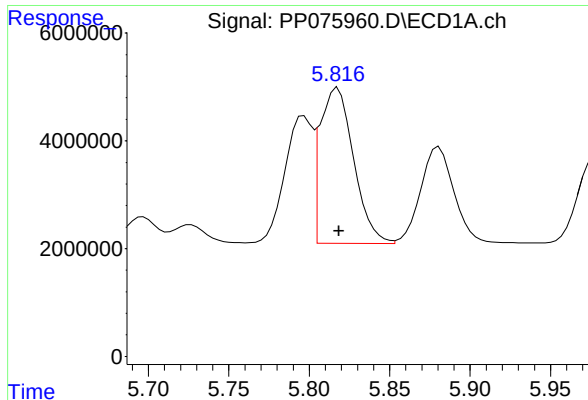
#12 AR-1232-2

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 20586465
Conc: 998.00 ng/ml



#12 AR-1232-2

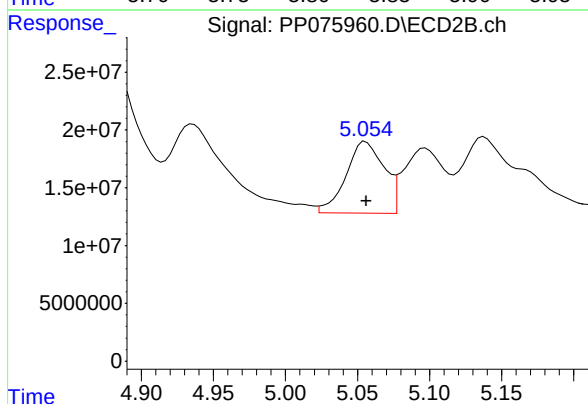
R.T.: 4.879 min
Delta R.T.: 0.001 min
Response: 406144540
Conc: 1365.12 ng/ml



#13 AR-1232-3

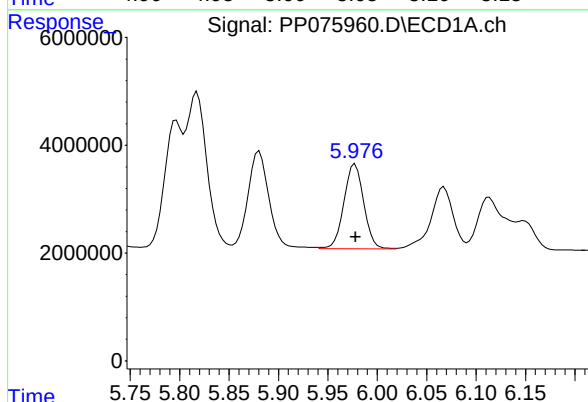
R.T.: 5.818 min
Delta R.T.: 0.000 min
Response: 41895010
Conc: 1084.25 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



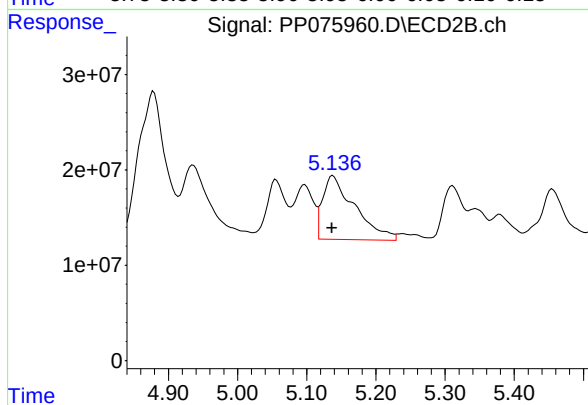
#13 AR-1232-3

R.T.: 5.056 min
Delta R.T.: 0.000 min
Response: 114445509
Conc: 1399.66 ng/ml



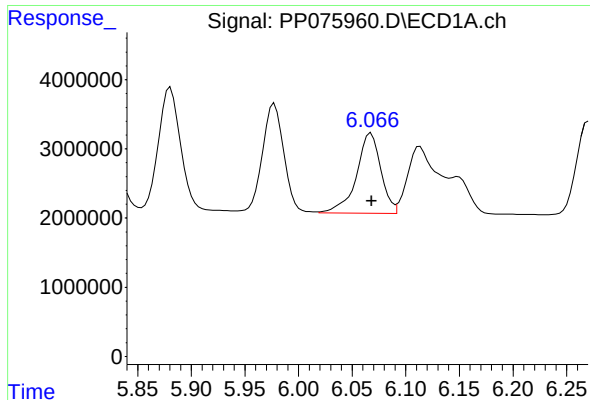
#14 AR-1232-4

R.T.: 5.978 min
Delta R.T.: 0.000 min
Response: 22027589
Conc: 1091.96 ng/ml



#14 AR-1232-4

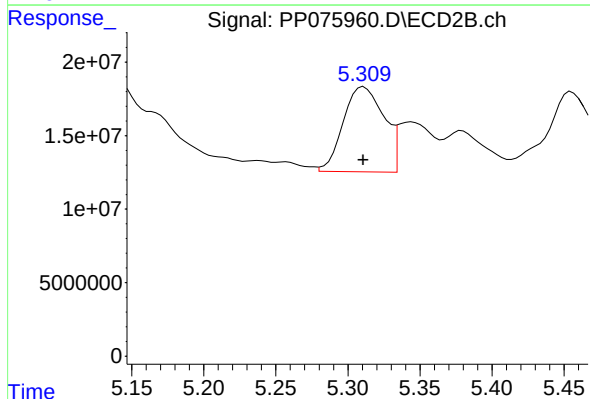
R.T.: 5.138 min
Delta R.T.: 0.002 min
Response: 215240552
Conc: 2533.93 ng/ml



#15 AR-1232-5

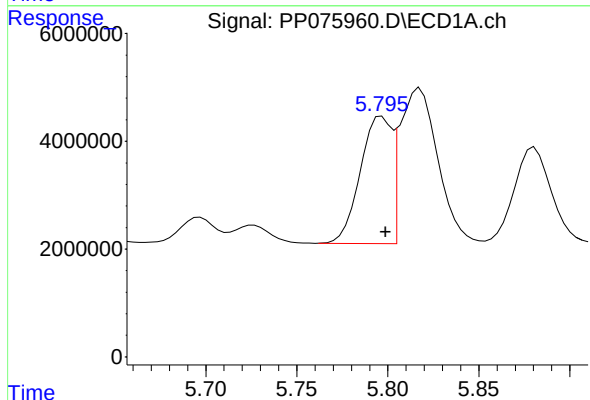
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 18432568
Conc: 1176.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



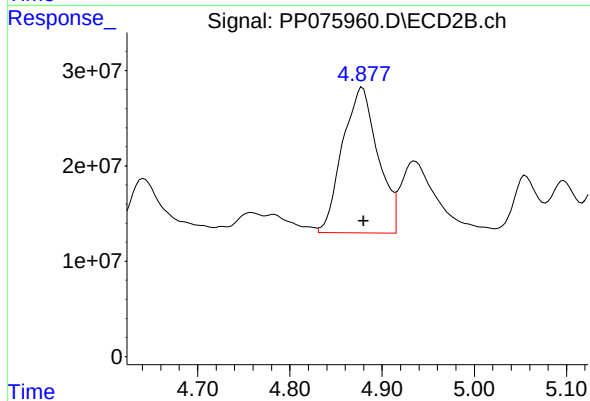
#15 AR-1232-5

R.T.: 5.311 min
Delta R.T.: 0.000 min
Response: 113790794
Conc: 1130.55 ng/ml



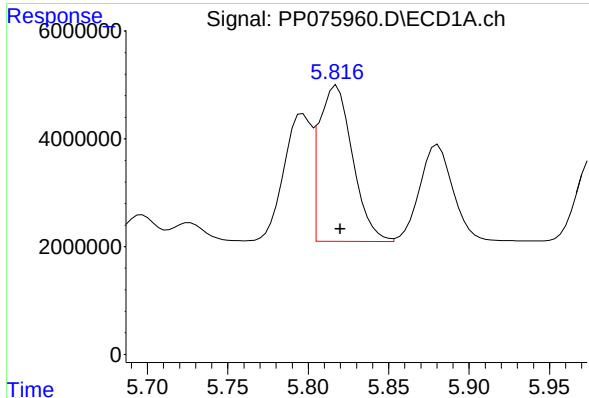
#16 AR-1242-1

R.T.: 5.797 min
Delta R.T.: -0.002 min
Response: 28376623
Conc: 592.33 ng/ml



#16 AR-1242-1

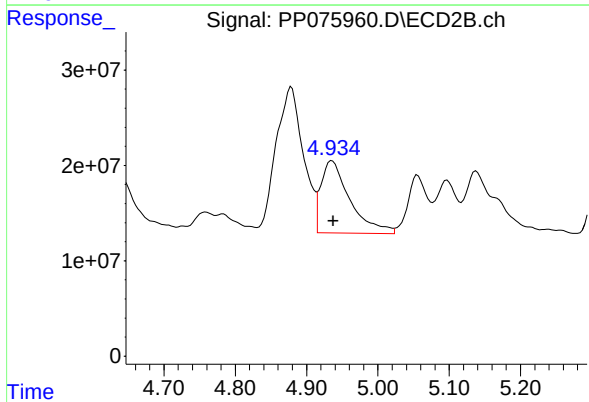
R.T.: 4.879 min
Delta R.T.: -0.001 min
Response: 406144540
Conc: 706.64 ng/ml



#17 AR-1242-2

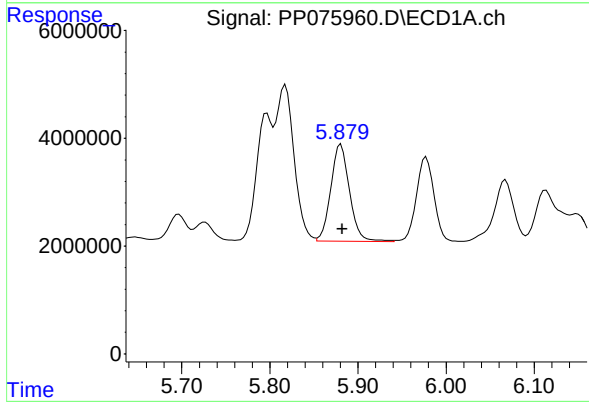
R.T.: 5.818 min
Delta R.T.: -0.002 min
Response: 41895010
Conc: 591.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



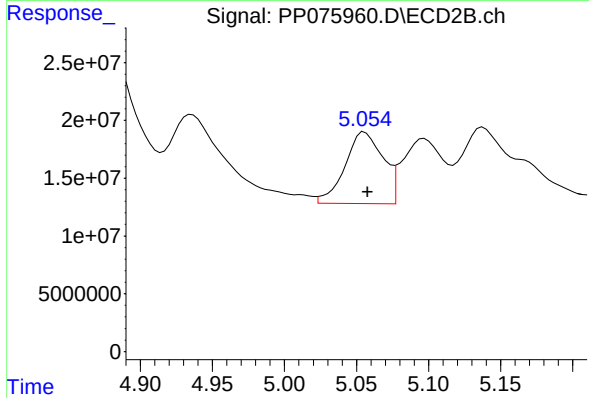
#17 AR-1242-2

R.T.: 4.936 min
Delta R.T.: -0.002 min
Response: 214650224
Conc: 773.48 ng/ml



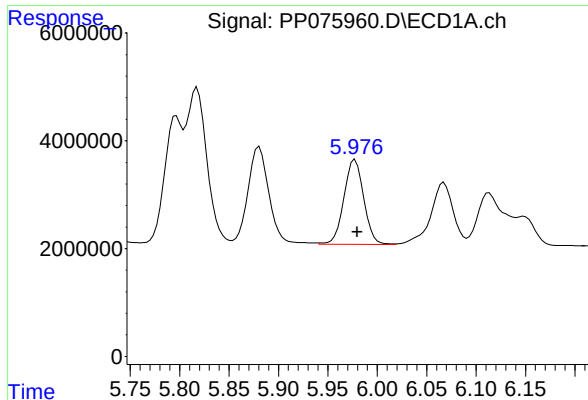
#18 AR-1242-3

R.T.: 5.881 min
Delta R.T.: -0.002 min
Response: 26551222
Conc: 581.73 ng/ml



#18 AR-1242-3

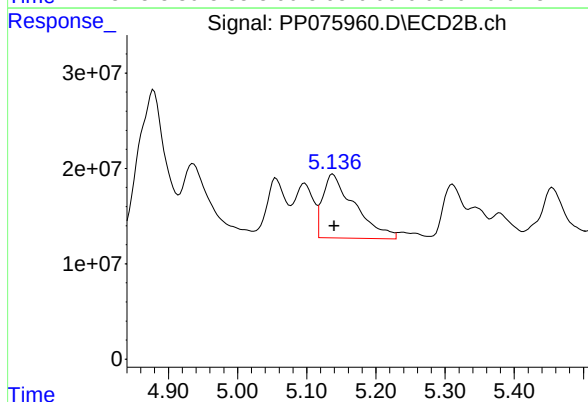
R.T.: 5.056 min
Delta R.T.: -0.002 min
Response: 114445509
Conc: 727.05 ng/ml



#19 AR-1242-4

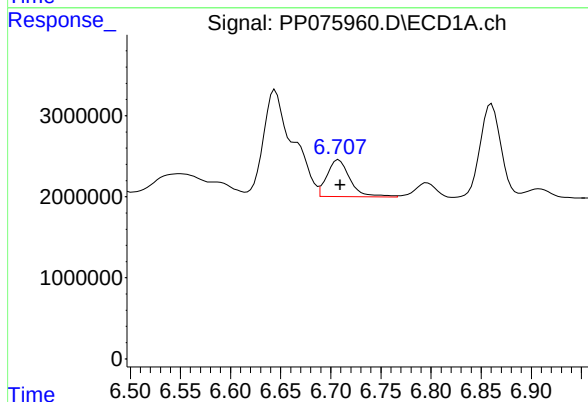
R.T.: 5.978 min
Delta R.T.: -0.002 min
Response: 22027589
Conc: 605.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



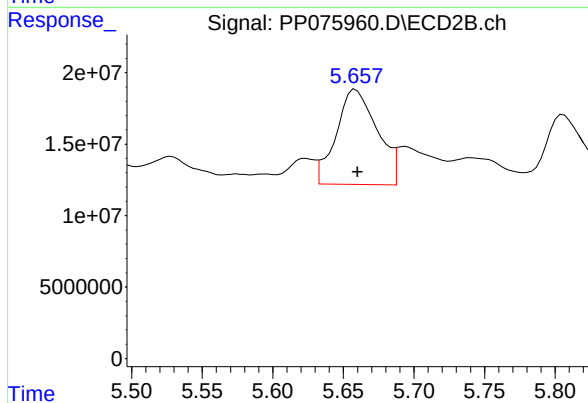
#19 AR-1242-4

R.T.: 5.138 min
Delta R.T.: -0.002 min
Response: 215240552
Conc: 1162.76 ng/ml



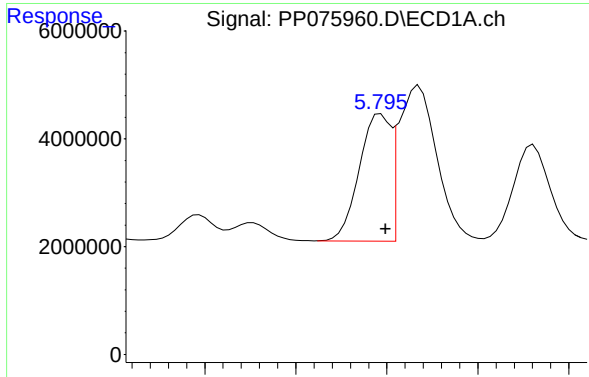
#20 AR-1242-5

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 7226347
Conc: 176.49 ng/ml



#20 AR-1242-5

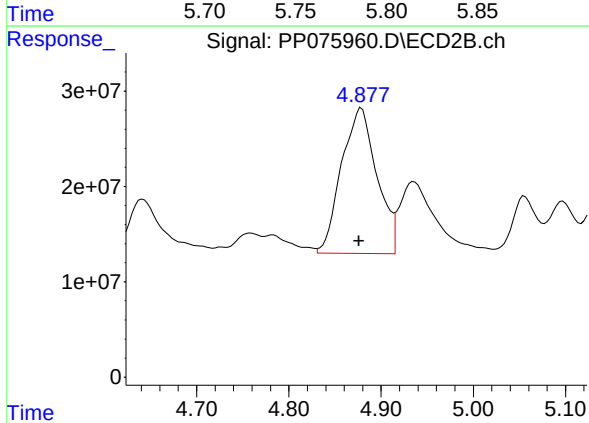
R.T.: 5.659 min
Delta R.T.: -0.002 min
Response: 134712858
Conc: 585.10 ng/ml



#21 AR-1248-1

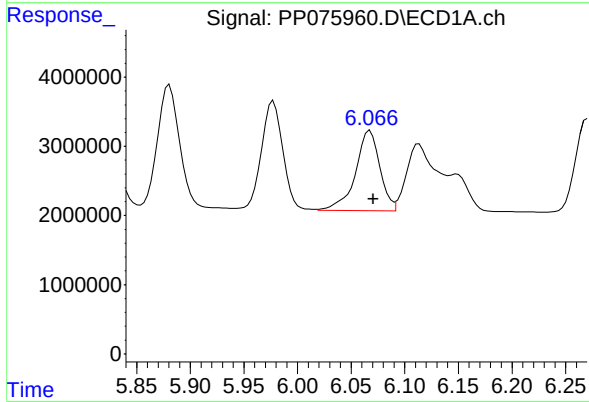
R.T.: 5.797 min
Delta R.T.: -0.003 min
Response: 28376623
Conc: 791.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



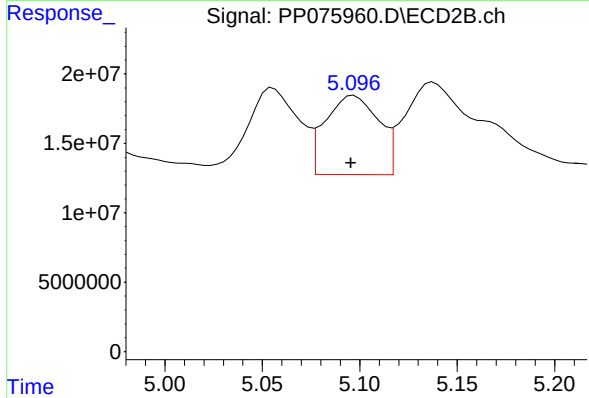
#21 AR-1248-1

R.T.: 4.879 min
Delta R.T.: 0.003 min
Response: 406144540
Conc: 1081.27 ng/ml



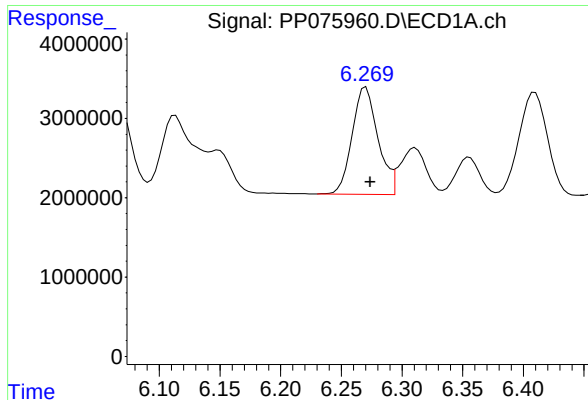
#22 AR-1248-2

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 18432568
Conc: 378.15 ng/ml



#22 AR-1248-2

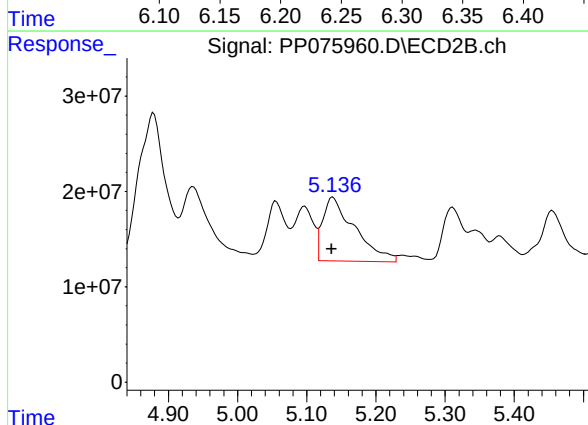
R.T.: 5.097 min
Delta R.T.: 0.002 min
Response: 108115330
Conc: 439.66 ng/ml



#23 AR-1248-3

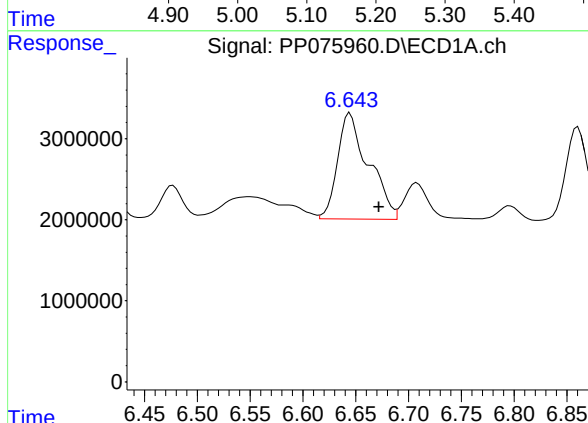
R.T.: 6.270 min
Delta R.T.: -0.004 min
Response: 20007515
Conc: 368.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



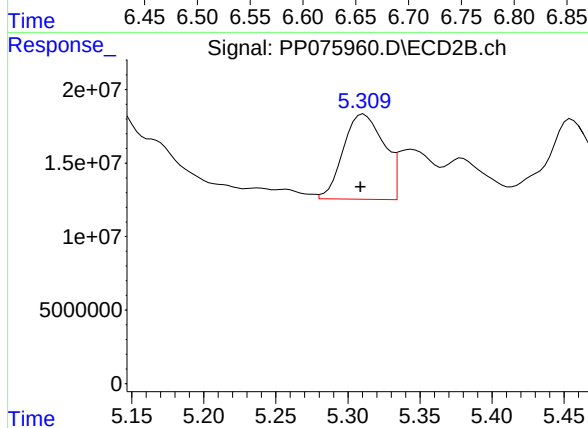
#23 AR-1248-3

R.T.: 5.138 min
Delta R.T.: 0.002 min
Response: 215240552
Conc: 750.25 ng/ml



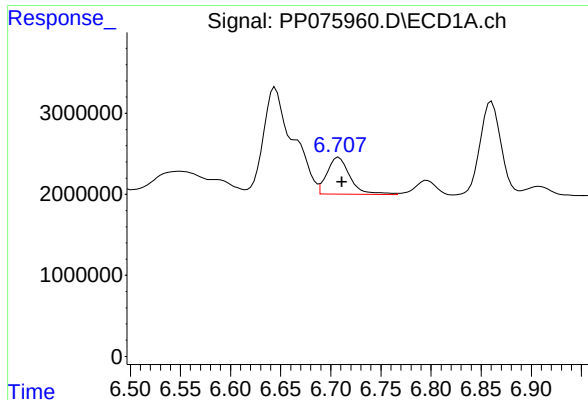
#24 AR-1248-4

R.T.: 6.645 min
Delta R.T.: -0.027 min
Response: 26743256
Conc: 402.98 ng/ml



#24 AR-1248-4

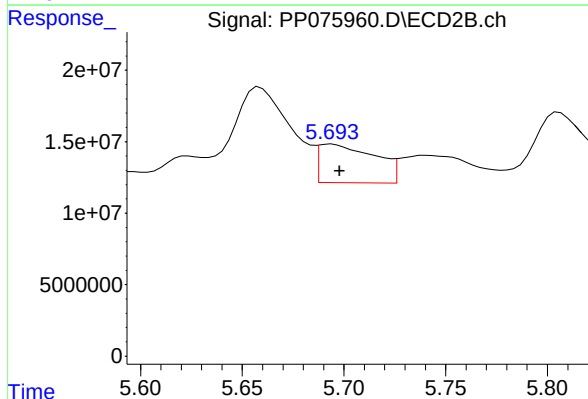
R.T.: 5.311 min
Delta R.T.: 0.002 min
Response: 113790794
Conc: 402.50 ng/ml



#25 AR-1248-5

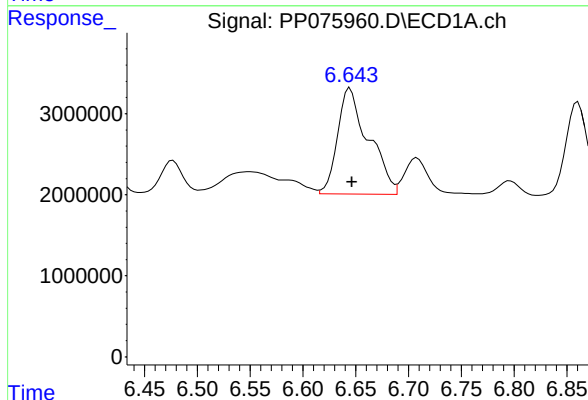
R.T.: 6.708 min
Delta R.T.: -0.003 min
Response: 7226347
Conc: 111.41 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



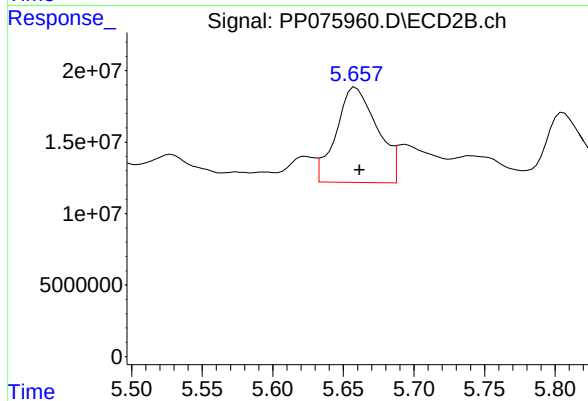
#25 AR-1248-5

R.T.: 5.694 min
Delta R.T.: -0.004 min
Response: 51328708
Conc: 98.77 ng/ml



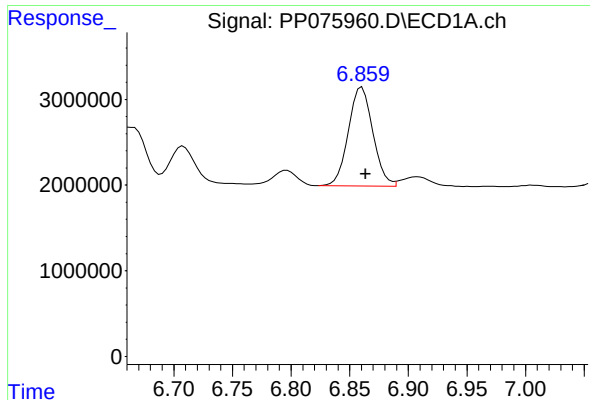
#26 AR-1254-1

R.T.: 6.645 min
Delta R.T.: -0.002 min
Response: 26743256
Conc: 334.74 ng/ml



#26 AR-1254-1

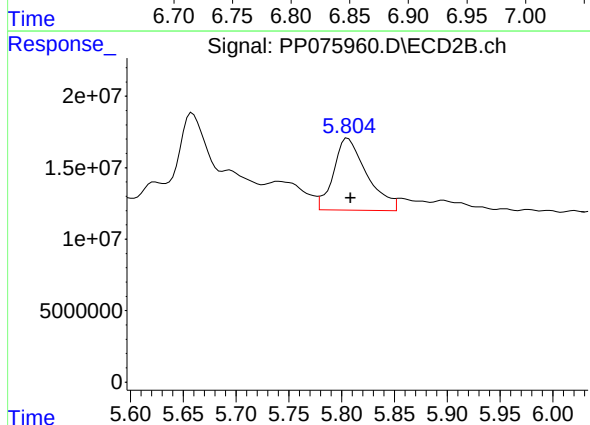
R.T.: 5.659 min
Delta R.T.: -0.003 min
Response: 134712858
Conc: 238.85 ng/ml



#27 AR-1254-2

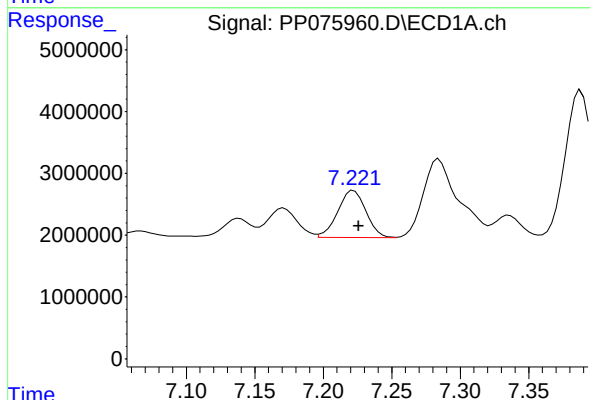
R.T.: 6.860 min
Delta R.T.: -0.003 min
Response: 16784924
Conc: 167.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



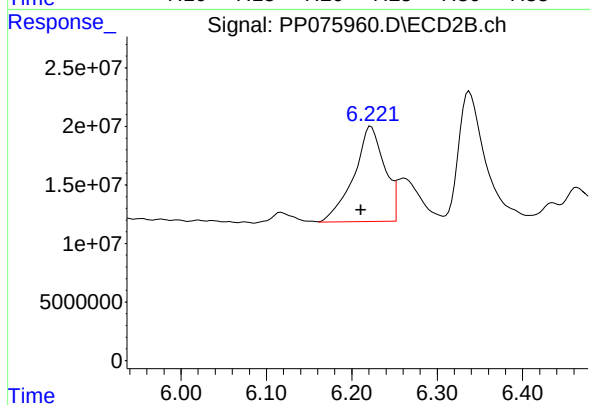
#27 AR-1254-2

R.T.: 5.806 min
Delta R.T.: -0.003 min
Response: 110688067
Conc: 208.81 ng/ml



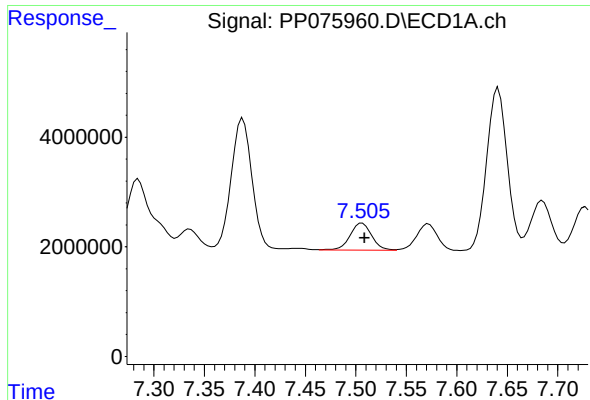
#28 AR-1254-3

R.T.: 7.222 min
Delta R.T.: -0.004 min
Response: 10930455
Conc: 105.15 ng/ml



#28 AR-1254-3

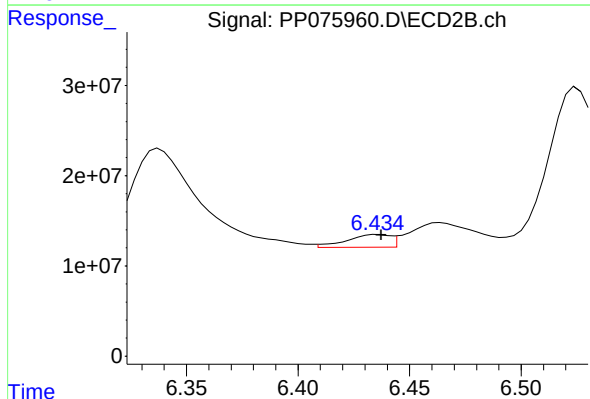
R.T.: 6.223 min
Delta R.T.: 0.012 min
Response: 202575550
Conc: 238.02 ng/ml



#29 AR-1254-4

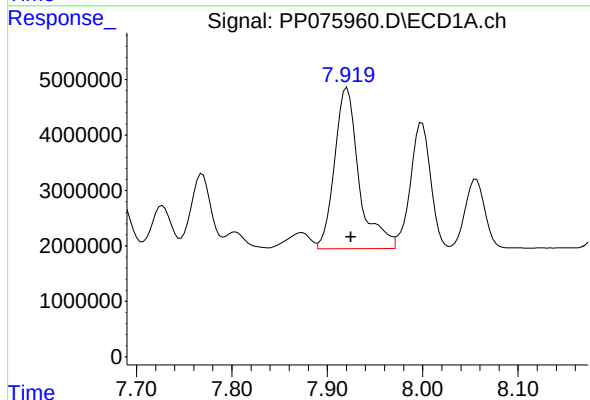
R.T.: 7.506 min
Delta R.T.: -0.002 min
Response: 7348197
Conc: 87.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



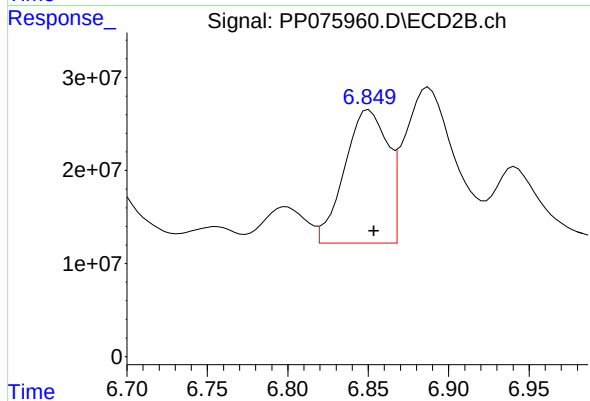
#29 AR-1254-4

R.T.: 6.436 min
Delta R.T.: -0.001 min
Response: 19062806
Conc: 30.27 ng/ml



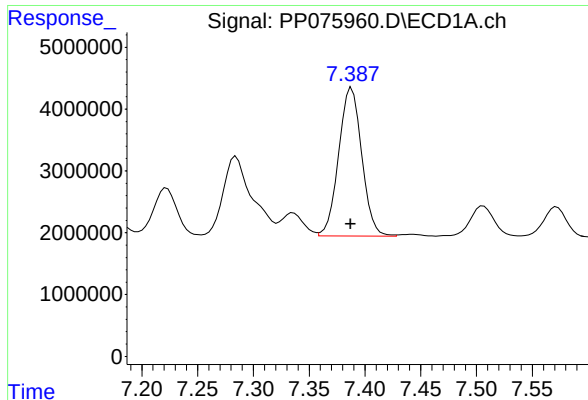
#30 AR-1254-5

R.T.: 7.921 min
Delta R.T.: -0.004 min
Response: 51780917
Conc: 565.47 ng/ml



#30 AR-1254-5

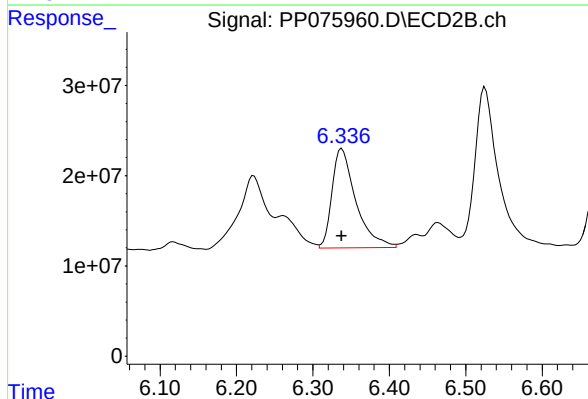
R.T.: 6.851 min
Delta R.T.: -0.003 min
Response: 265771254
Conc: 369.19 ng/ml



#31 AR-1260-1

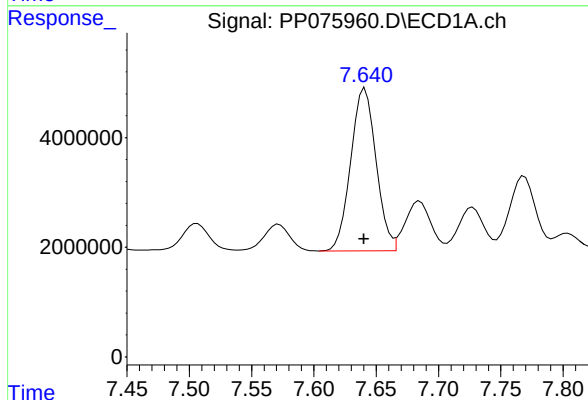
R.T.: 7.388 min
Delta R.T.: 0.000 min
Response: 34433307
Conc: 500.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



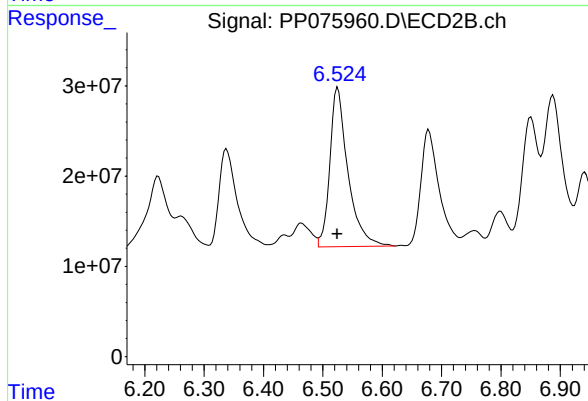
#31 AR-1260-1

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 238495067
Conc: 435.45 ng/ml



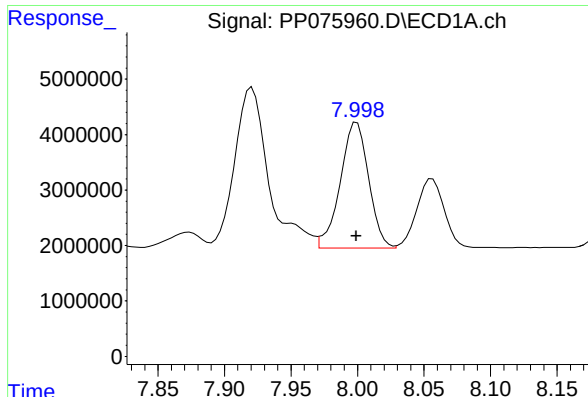
#32 AR-1260-2

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 41896571
Conc: 467.71 ng/ml



#32 AR-1260-2

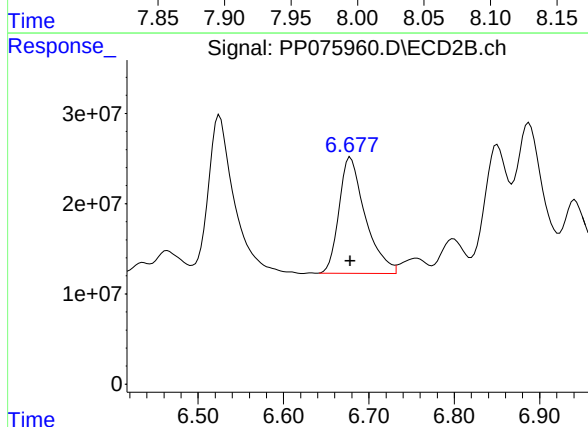
R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 373757454
Conc: 459.31 ng/ml



#33 AR-1260-3

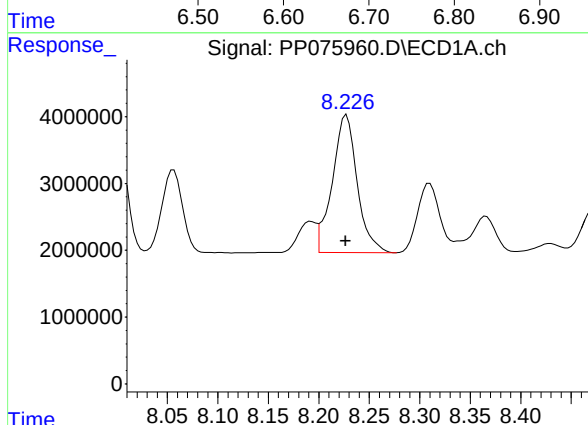
R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 33664748
Conc: 485.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



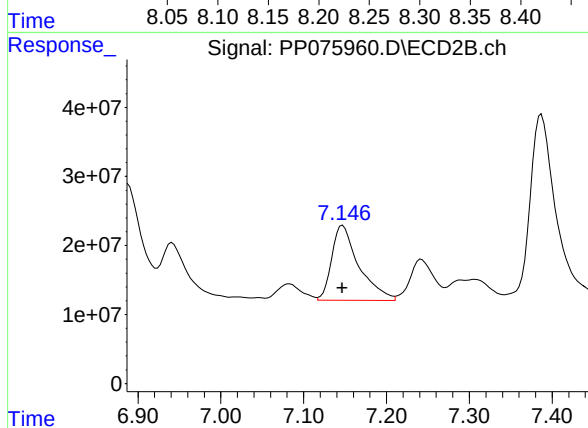
#33 AR-1260-3

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 274876840
Conc: 488.45 ng/ml



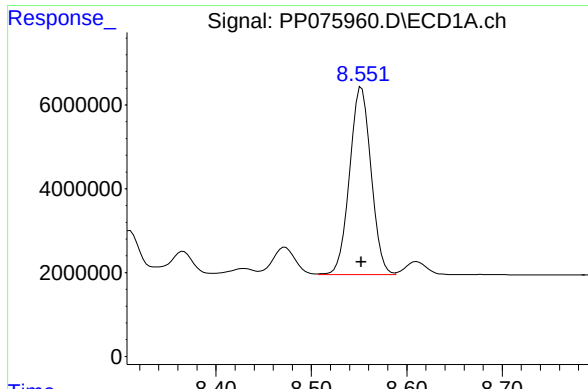
#34 AR-1260-4

R.T.: 8.227 min
Delta R.T.: 0.000 min
Response: 35502767
Conc: 517.75 ng/ml



#34 AR-1260-4

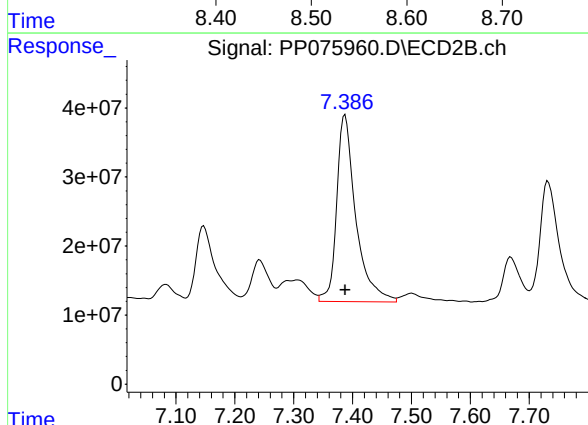
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 247817699
Conc: 477.19 ng/ml



#35 AR-1260-5

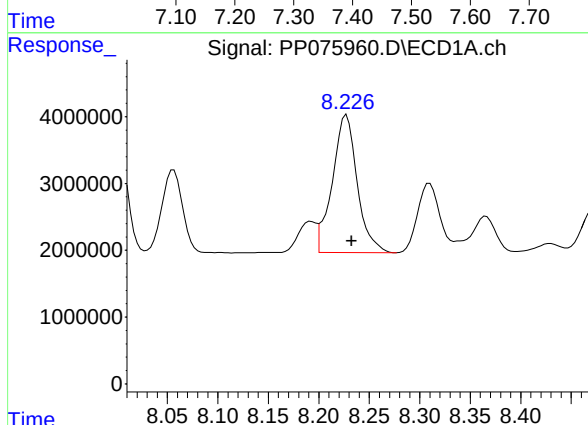
R.T.: 8.553 min
Delta R.T.: 0.000 min
Response: 70342258
Conc: 475.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



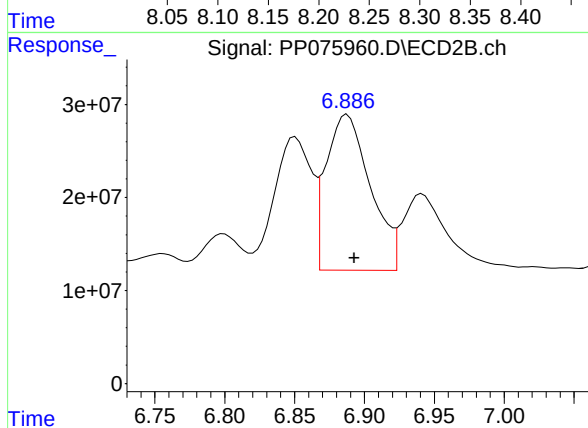
#35 AR-1260-5

R.T.: 7.387 min
Delta R.T.: 0.000 min
Response: 611561191
Conc: 451.15 ng/ml



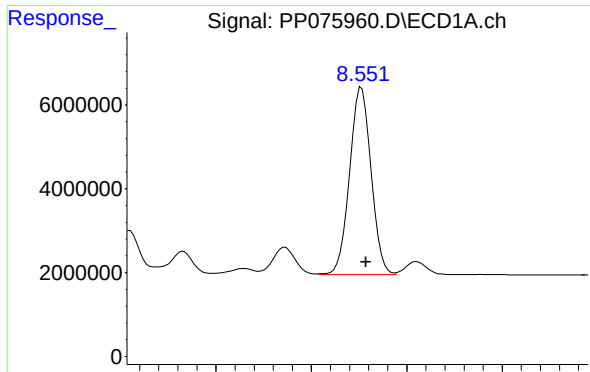
#36 AR-1262-1

R.T.: 8.227 min
Delta R.T.: -0.005 min
Response: 35502767
Conc: 422.52 ng/ml



#36 AR-1262-1

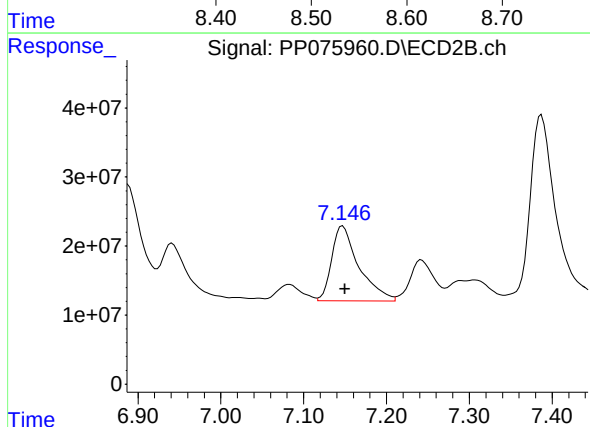
R.T.: 6.888 min
Delta R.T.: -0.005 min
Response: 368984805
Conc: 373.86 ng/ml



#37 AR-1262-2

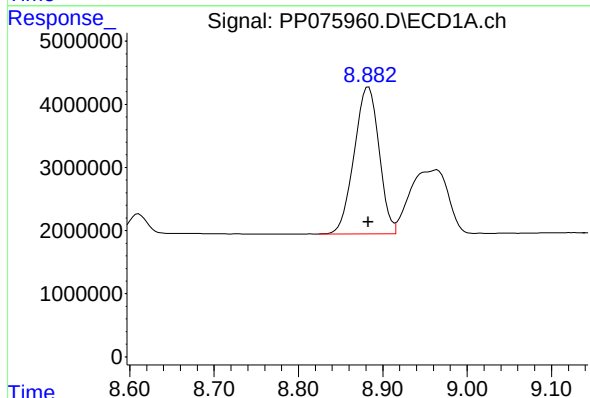
R.T.: 8.553 min
Delta R.T.: -0.005 min
Response: 70342258
Conc: 429.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



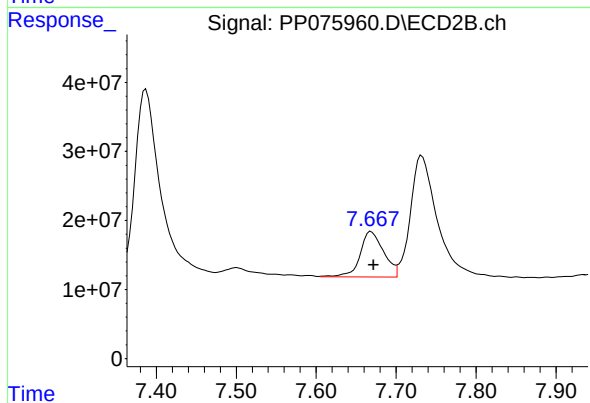
#37 AR-1262-2

R.T.: 7.147 min
Delta R.T.: -0.003 min
Response: 247817699
Conc: 352.41 ng/ml



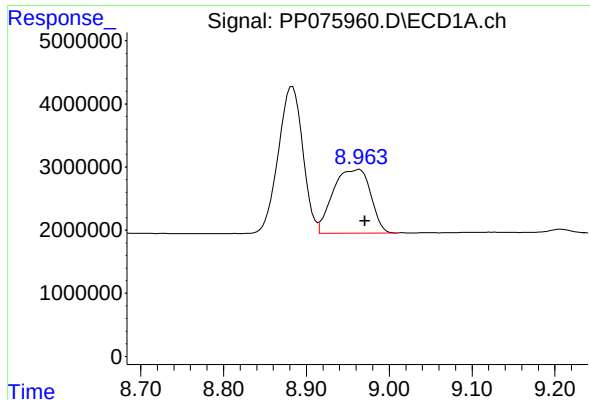
#38 AR-1262-3

R.T.: 8.883 min
Delta R.T.: 0.000 min
Response: 47791829
Conc: 392.42 ng/ml



#38 AR-1262-3

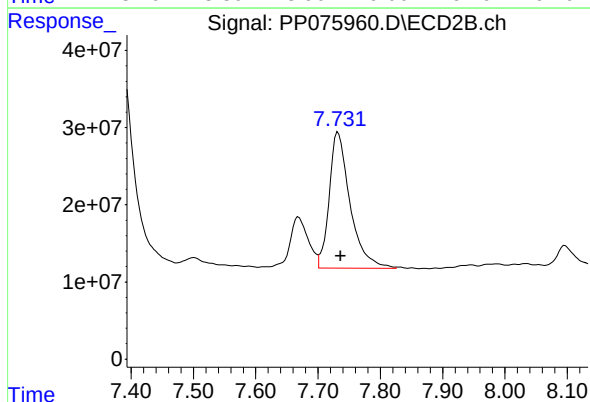
R.T.: 7.669 min
Delta R.T.: -0.003 min
Response: 135002649
Conc: 222.42 ng/ml



#39 AR-1262-4

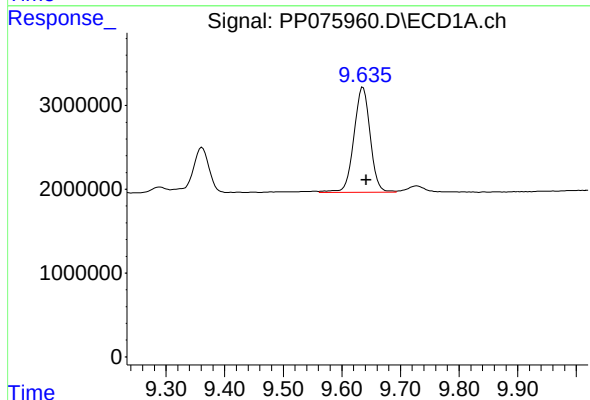
R.T.: 8.964 min
Delta R.T.: -0.007 min
Response: 31869978
Conc: 345.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



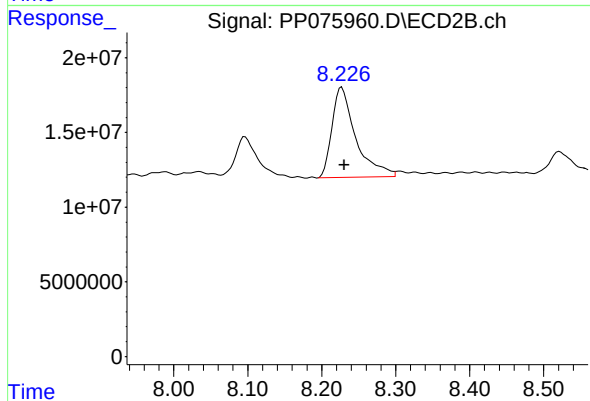
#39 AR-1262-4

R.T.: 7.732 min
Delta R.T.: -0.004 min
Response: 410958740
Conc: 373.15 ng/ml



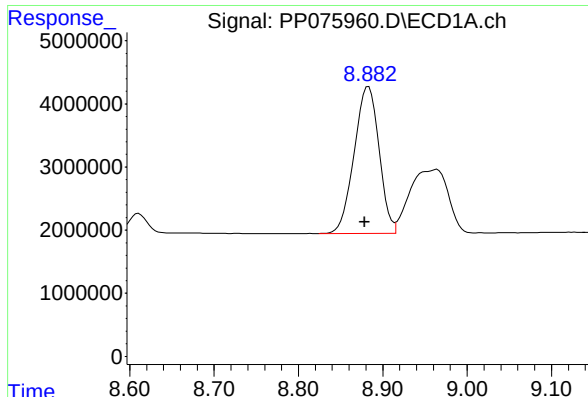
#40 AR-1262-5

R.T.: 9.636 min
Delta R.T.: -0.006 min
Response: 24289768
Conc: 358.13 ng/ml



#40 AR-1262-5

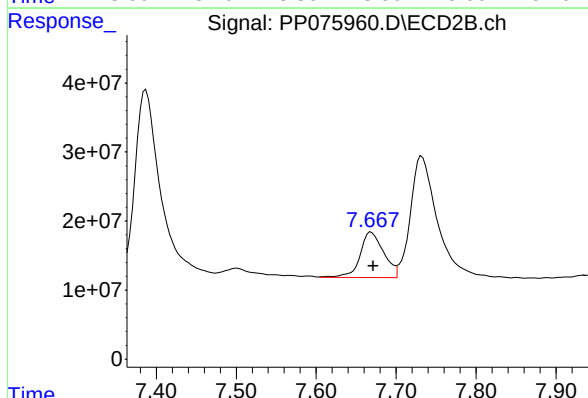
R.T.: 8.227 min
Delta R.T.: -0.004 min
Response: 134735167
Conc: 291.96 ng/ml



#41 AR-1268-1

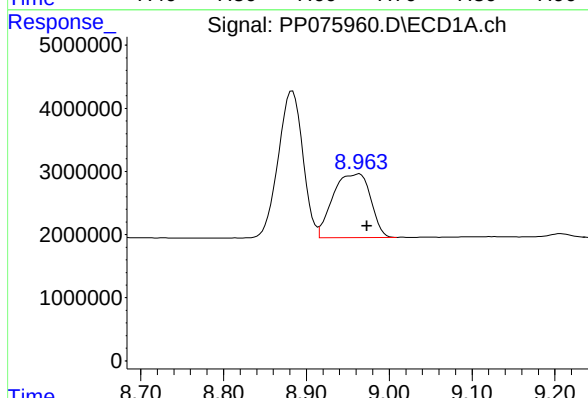
R.T.: 8.883 min
Delta R.T.: 0.005 min
Response: 47791829
Conc: 231.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



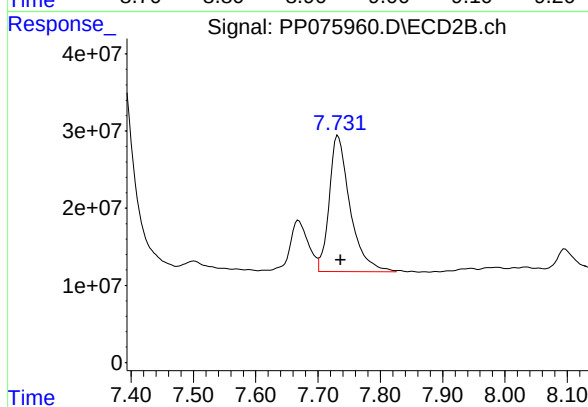
#41 AR-1268-1

R.T.: 7.669 min
Delta R.T.: -0.003 min
Response: 135002649
Conc: 74.56 ng/ml



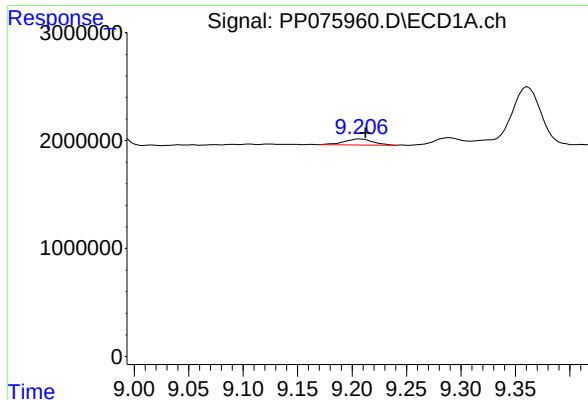
#42 AR-1268-2

R.T.: 8.964 min
Delta R.T.: -0.009 min
Response: 31869978
Conc: 169.29 ng/ml



#42 AR-1268-2

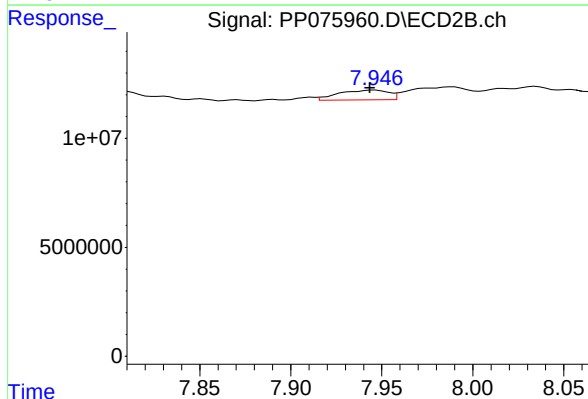
R.T.: 7.732 min
Delta R.T.: -0.004 min
Response: 410958740
Conc: 236.85 ng/ml



#43 AR-1268-3

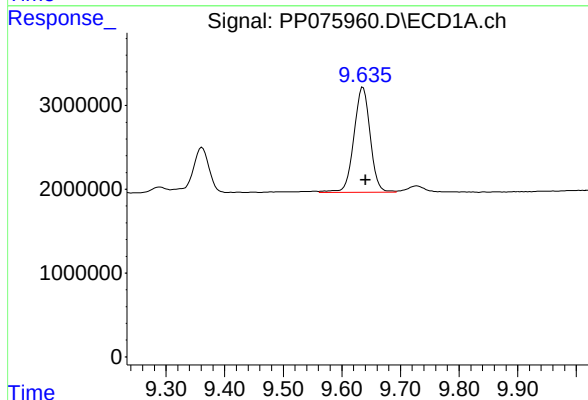
R.T.: 9.207 min
Delta R.T.: -0.005 min
Response: 1000507
Conc: 6.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



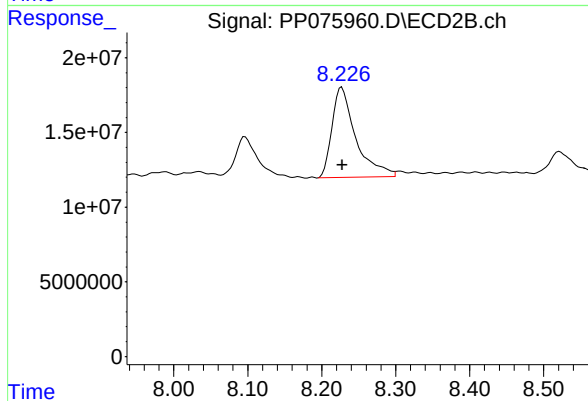
#43 AR-1268-3

R.T.: 7.947 min
Delta R.T.: 0.003 min
Response: 8419987
Conc: 6.16 ng/ml



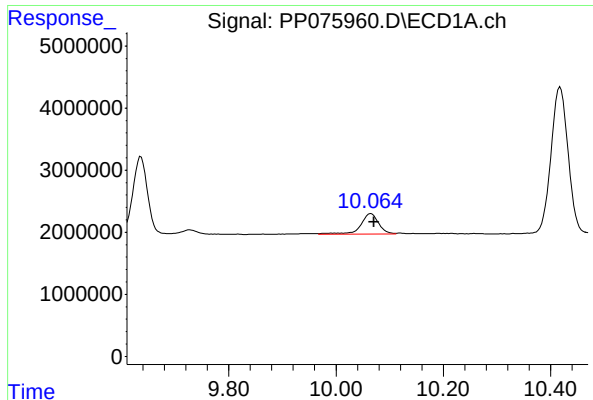
#44 AR-1268-4

R.T.: 9.636 min
Delta R.T.: -0.005 min
Response: 24289768
Conc: 308.85 ng/ml



#44 AR-1268-4

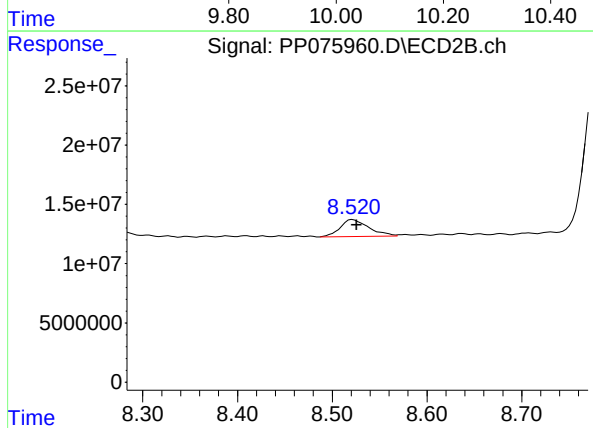
R.T.: 8.227 min
Delta R.T.: 0.000 min
Response: 134735167
Conc: 260.39 ng/ml



#45 AR-1268-5

R.T.: 10.065 min
Delta R.T.: -0.006 min
Response: 7715153
Conc: 16.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.521 min
Delta R.T.: -0.004 min
Response: 30385444
Conc: 8.06 ng/ml