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Cover Page

Order ID : Q2832

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q2832-01	TG-S01
Q2832-02	TG-S01
Q2832-03	TG-S02
Q2832-04	TG-S02
Q2832-05	TG-S03
Q2832-06	TG-S03
Q2832-07	TG-S04
Q2832-08	TG-S04
Q2832-09	TG-S05
Q2832-10	TG-S05

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: 8/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2832
Test Name: PCB

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 08/12/2025.

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 analyses were performed on instrument GCECD_O. 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 {Q2832-03MS} with File ID: PP074344.D recoveries met the requirements for all compounds except for [AR1260(2)153%], This compound did not meet the NJDKQP criteria and in-house criteria. due to matrix interference.

The MSD {Q2832-03MSD} with File ID: PP074345.D recoveries met the requirements for all compounds except for [AR1260(2)148], This compound did not meet the NJDKQP criteria and in-house criteria.. due to matrix interference.

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.

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The Continuous Calibration File ID PO112945.D met the requirements except for Decachlorobiphenyl is failing in 1st column, however it is passed in 2nd column therefore no corrective action was taken.

Samples TG-S05 was diluted due to bad matrix.
Samples TG-S02, TG-S03 and TG-S04 were diluted due to high concentrations.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

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

Signature_____

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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 is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2832**

	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: **MAHESH PATEL** **Date:** **08/25/2025**

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LAB CHRONICLE

OrderID:	Q2832	**OrderDate:**	8/12/2025 9:37:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2832-01	**TG-S01**	**SOIL**			**08/11/25**			**08/12/25**
			PCB	8082A		08/13/25	08/13/25	
Q2832-03	**TG-S02**	**SOIL**			**08/11/25**			**08/12/25**
			PCB	8082A		08/13/25	08/13/25	
Q2832-03DL	**TG-S02DL**	**SOIL**			**08/11/25**			**08/12/25**
			PCB	8082A		08/13/25	08/14/25	
Q2832-05	**TG-S03**	**SOIL**			**08/11/25**			**08/12/25**
			PCB	8082A		08/13/25	08/13/25	
Q2832-05DL	**TG-S03DL**	**SOIL**			**08/11/25**			**08/12/25**
			PCB	8082A		08/13/25	08/14/25	
Q2832-07	**TG-S04**	**SOIL**			**08/11/25**			**08/12/25**
			PCB	8082A		08/13/25	08/13/25	
Q2832-07DL	**TG-S04DL**	**SOIL**			**08/11/25**			**08/12/25**
			PCB	8082A		08/13/25	08/14/25	
Q2832-09	**TG-S05**	**SOIL**			**08/12/25**			**08/12/25**
			PCB	8082A		08/13/25	08/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2832 **Order ID:** Q2832

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TG-S01								
Q2832-01	TG-S01	SOIL	Aroclor-1260	41.9	P	3.50	18.2	ug/kg
			Total Concentration:	**41.900**				
Client ID : TG-S02								
Q2832-03	TG-S02	SOIL	Aroclor-1260	365	E	3.40	18.0	ug/kg
			Total Concentration:	**365.000**				
Client ID : TG-S02DL								
Q2832-03DL	TG-S02DL	SOIL	Aroclor-1260	348	D	6.90	36.1	ug/kg
			Total Concentration:	**348.000**				
Client ID : TG-S03								
Q2832-05	TG-S03	SOIL	Aroclor-1260	578	E	3.40	18.1	ug/kg
			Total Concentration:	**578.000**				
Client ID : TG-S03DL								
Q2832-05DL	TG-S03DL	SOIL	Aroclor-1260	553	D	6.90	36.2	ug/kg
			Total Concentration:	**553.000**				
Client ID : TG-S04								
Q2832-07	TG-S04	SOIL	Aroclor-1260	401	E	3.50	18.2	ug/kg
			Total Concentration:	**401.000**				
Client ID : TG-S04DL								
Q2832-07DL	TG-S04DL	SOIL	Aroclor-1260	407	D	6.90	36.4	ug/kg
			Total Concentration:	**407.000**				



QC SUMMARY

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Surrogate Summary

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO112413.D	PIBLK-PO112413.D	Tetrachloro-m-xyl	1	20	19.1	95		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.0	100		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.5	98		70 (60)	130 (140)
		Decachlorobiphen	2	20	20.4	102		70 (60)	130 (140)
I.BLK-PO112900.D	PIBLK-PO112900.D	Tetrachloro-m-xyl	1	20	20.7	104		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.2	96		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	20.3	101		70 (60)	130 (140)
		Decachlorobiphen	2	20	20.6	103		70 (60)	130 (140)
Q2832-07	TG-S04	Tetrachloro-m-xyl	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphen	1	20	17.2	86		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	20.7	104		30 (32)	150 (144)
		Decachlorobiphen	2	20	20.6	103		30 (32)	150 (175)
Q2832-09	TG-S05	Tetrachloro-m-xyl	1	20	16.7	84		30 (32)	150 (144)
		Decachlorobiphen	1	20	15.9	79		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	16.3	81		30 (32)	150 (144)
		Decachlorobiphen	2	20	22.4	112		30 (32)	150 (175)
I.BLK-PO112915.D	PIBLK-PO112915.D	Tetrachloro-m-xyl	1	20	19.9	100		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.2	96		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.4	97		70 (60)	130 (140)
		Decachlorobiphen	2	20	21.3	106		70 (60)	130 (140)
I.BLK-PO112934.D	PIBLK-PO112934.D	Tetrachloro-m-xyl	1	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.7	98		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.9	99		70 (60)	130 (140)
		Decachlorobiphen	2	20	21.0	105		70 (60)	130 (140)
Q2832-07DL	TG-S04DL	Tetrachloro-m-xyl	1	20	18.6	93		30 (32)	150 (144)
		Decachlorobiphen	1	20	16.3	82		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	17.8	89		30 (32)	150 (144)
		Decachlorobiphen	2	20	19.3	97		30 (32)	150 (175)
I.BLK-PO112949.D	PIBLK-PO112949.D	Tetrachloro-m-xyl	1	20	20.7	104		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.4	92		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	20.2	101		70 (60)	130 (140)
		Decachlorobiphen	2	20	20.7	104		70 (60)	130 (140)
I.BLK-PP074167.D	PIBLK-PP074167.D	Tetrachloro-m-xyl	1	20	19.1	95		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.7	98		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.3	86		70 (60)	130 (140)
		Decachlorobiphen	2	20	18.7	93		70 (60)	130 (140)
I.BLK-PP074337.D	PIBLK-PP074337.D	Tetrachloro-m-xyl	1	20	19.3	96		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.5	92		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.4	82		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.2	81		70 (60)	130 (140)
PB169227BS	PB169227BS	Tetrachloro-m-xyl	1	20	25.4	127		30 (32)	150 (144)

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Surrogate Summary

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
PB169227BS	PB169227BS	Decachlorobiphen	1	20	23.6	118		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	22.8	114		30 (32)	150 (144)
		Decachlorobiphen	2	20	21.8	109		30 (32)	150 (175)
Q2832-01	TG-S01	Tetrachloro-m-xyl	1	20	28.0	140		30 (32)	150 (144)
		Decachlorobiphen	1	20	26.4	132		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	26.5	133		30 (32)	150 (144)
		Decachlorobiphen	2	20	24.7	123		30 (32)	150 (175)
Q2832-03	TG-S02	Tetrachloro-m-xyl	1	20	27.2	136		30 (32)	150 (144)
		Decachlorobiphen	1	20	24.6	123		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	28.4	142		30 (32)	150 (144)
		Decachlorobiphen	2	20	23.4	117		30 (32)	150 (175)
Q2832-03MS	TG-S02MS	Tetrachloro-m-xyl	1	20	24.3	121		30 (32)	150 (144)
		Decachlorobiphen	1	20	23.4	117		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	22.3	112		30 (32)	150 (144)
		Decachlorobiphen	2	20	22.7	114		30 (32)	150 (175)
Q2832-03MSD	TG-S02MSD	Tetrachloro-m-xyl	1	20	24.2	121		30 (32)	150 (144)
		Decachlorobiphen	1	20	22.9	115		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	21.9	110		30 (32)	150 (144)
		Decachlorobiphen	2	20	21.9	110		30 (32)	150 (175)
Q2832-05	TG-S03	Tetrachloro-m-xyl	1	20	22.1	110		30 (32)	150 (144)
		Decachlorobiphen	1	20	21.9	110		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	28.3	142		30 (32)	150 (144)
		Decachlorobiphen	2	20	22.0	110		30 (32)	150 (175)
I.BLK-PP074351.D	PIBLK-PP074351.D	Tetrachloro-m-xyl	1	20	19.5	98		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.7	83		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.3	82		70 (60)	130 (140)
I.BLK-PP074365.D	PIBLK-PP074365.D	Tetrachloro-m-xyl	1	20	19.7	99		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.7	94		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.0	85		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.9	84		70 (60)	130 (140)
PB169227BL	PB169227BL	Tetrachloro-m-xyl	1	20	24.6	123		30 (32)	150 (144)
		Decachlorobiphen	1	20	23.4	117		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	22.3	112		30 (32)	150 (144)
		Decachlorobiphen	2	20	22.1	110		30 (32)	150 (175)
I.BLK-PP074371.D	PIBLK-PP074371.D	Tetrachloro-m-xyl	1	20	19.7	99		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.8	94		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.6	83		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.1	86		70 (60)	130 (140)
I.BLK-PP074376.D	PIBLK-PP074376.D	Tetrachloro-m-xyl	1	20	23.1	115		70 (60)	130 (140)
		Decachlorobiphen	1	20	21.1	106		70 (60)	130 (140)

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Surrogate Summary

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP074376.D	PIBLK-PP074376.D	Tetrachloro-m-xyl	2	20	19.3	97		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.5	97		70 (60)	130 (140)
Q2832-03DL	TG-S02DL	Tetrachloro-m-xyl	1	20	26.6	133		30 (32)	150 (144)
		Decachlorobiphen	1	20	23.3	117		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	24.1	120		30 (32)	150 (144)
		Decachlorobiphen	2	20	20.3	102		30 (32)	150 (175)
Q2832-05DL	TG-S03DL	Tetrachloro-m-xyl	1	20	28.4	142		30 (32)	150 (144)
		Decachlorobiphen	1	20	23.0	115		30 (32)	150 (175)
		Tetrachloro-m-xyl	2	20	26.3	132		30 (32)	150 (144)
		Decachlorobiphen	2	20	21.6	108		30 (32)	150 (175)
I.BLK-PP074390.D	PIBLK-PP074390.D	Tetrachloro-m-xyl	1	20	20.9	104		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.4	97		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.7	93		70 (60)	130 (140)
		Decachlorobiphen	2	20	18.1	90		70 (60)	130 (140)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **DataFile :** PP074344.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2832-03MS (Column 1)**	**Client Sample ID:**		**TG-S02MS**								
	AR1016	177	0	223	ug/kg	126				40 (55)	140 (146)	
	AR1260	177	325	519	ug/kg	110				40 (54)	140 (119)	
Lab Sample ID:	**Q2832-03MS (Column 2)**	**Client Sample ID:**		**TG-S02MS**								
	AR1016	177	0	206	ug/kg	116				40 (55)	140 (146)	
	AR1260	177	365	635	ug/kg	153	*			40 (54)	140 (119)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **DataFile :** PP074345.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2832-03MSD (Column 1)**	**Client Sample ID:**		**TG-S02MSD**								
	AR1016	177.1	0	221	ug/kg	125		1		40 (55)	140 (146)	30 (15)
	AR1260	177.1	325	505	ug/kg	102		8		40 (54)	140 (119)	30 (15)
Lab Sample ID:	**Q2832-03MSD (Column 2)**	**Client Sample ID:**		**TG-S02MSD**								
	AR1016	177.1	0	202	ug/kg	114		2		40 (55)	140 (146)	30 (15)
	AR1260	177.1	365	627	ug/kg	148	*	3		40 (54)	140 (119)	30 (15)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **Datafile :** PP074340.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169227BS (Column 1)	AR1016	166.6	193	ug/kg	116				40 (71)	140 (120)	
	AR1260	166.6	173	ug/kg	104				40 (65)	140 (130)	
PB169227BS (Column 2)	AR1016	166.6	195	ug/kg	117				40 (71)	140 (120)	
	AR1260	166.6	189	ug/kg	113				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169227BL

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2832

Lab Sample ID: PB169227BL | Lab File ID: PP074366.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/13/2025

Date Analyzed (1): 08/13/2025 | Date Analyzed (2): 08/13/2025

Time Analyzed (1): 22:08 | Time Analyzed (2): 22:08

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
TG-S04	Q2832-07	PO112903.D	08/13/2025	08/13/2025
TG-S05	Q2832-09	PO112904.D	08/13/2025	08/13/2025
PB169227BS	PB169227BS	PP074340.D	08/13/2025	08/13/2025
TG-S01	Q2832-01	PP074342.D	08/13/2025	08/13/2025
TG-S02	Q2832-03	PP074343.D	08/13/2025	08/13/2025
TG-S02MS	Q2832-03MS	PP074344.D	08/13/2025	08/13/2025
TG-S02MSD	Q2832-03MSD	PP074345.D	08/13/2025	08/13/2025
TG-S03	Q2832-05	PP074346.D	08/13/2025	08/13/2025

COMMENTS:



SAMPLE DATA

Raw Data: **PP074342.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074342.D	1	08/13/25 08:33	08/13/25 13:27	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.2	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.2	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.2	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.2	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.2	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.2	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.2	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.2	ug/kg
11096-82-5	Aroclor-1260	41.9	P	3.50	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.0		30 (32) - 150 (144)	140%	SPK: 20
2051-24-3	Decachlorobiphenyl	26.4		30 (32) - 150 (175)	132%	SPK: 20

Comments:

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

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

Sample Results: **PP074342.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 13:27
Operator : YP\AJ
Sample : Q2832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TG-S01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:42:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.802	31349194	101.6E6	28.033	26.499
2)	SA Decachlor...	10.439	8.821	25646715	148.4E6	26.408	24.675
	Target Compounds						
31)	L7 AR-1260-1	7.403	6.550	7749147	27723205	137.503	68.629m#
32)	L7 AR-1260-2	7.655	6.705	7733779	23496278	113.478	75.140m#
33)	L7 AR-1260-3	8.013	6.914	5311843	25077374	99.667	63.629 #
34)	L7 AR-1260-4	8.238	7.176	8867506	17595115	141.620m	60.469 #
35)	L7 AR-1260-5	8.567	7.414	10963460	56979962	96.761	75.230

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

Sample Results: **PP074342.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 13:27
Operator : YP\AJ
Sample : Q2832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

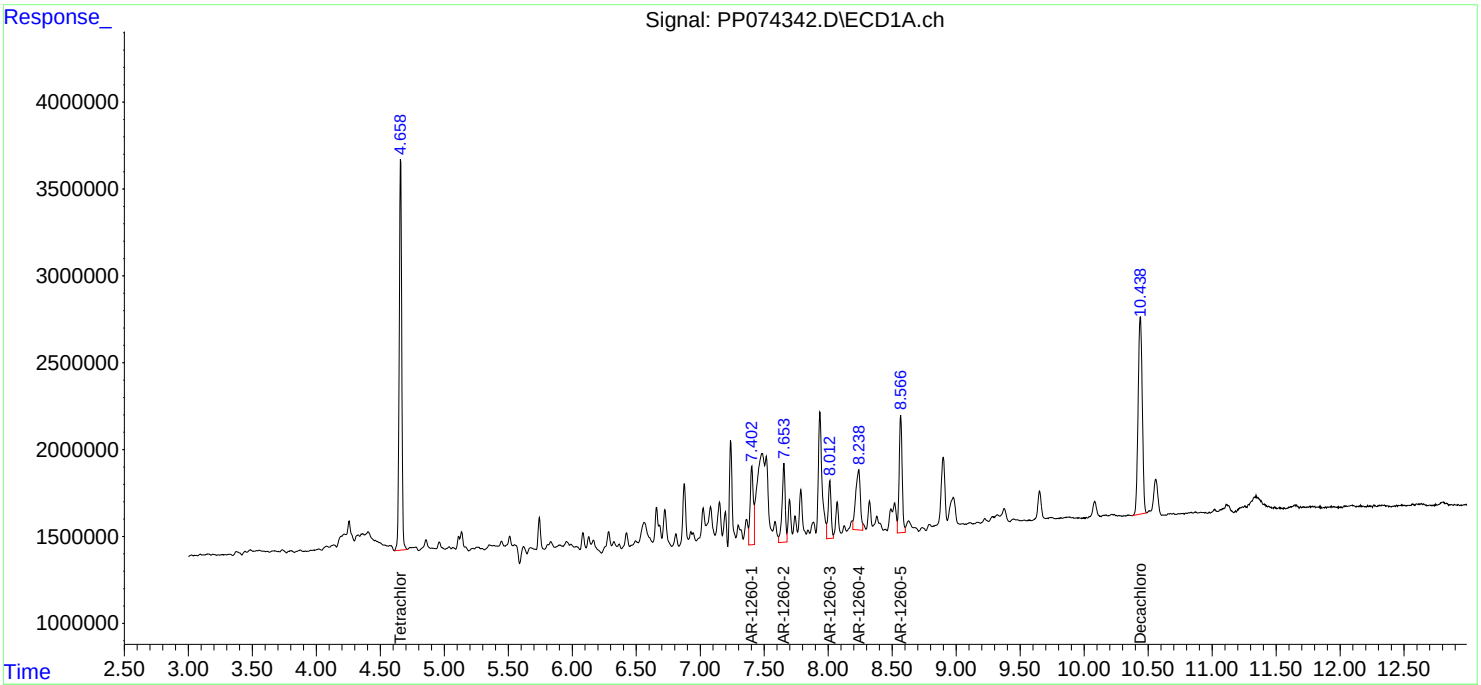
Instrument :
ECD_P
ClientSampleId :
TG-S01

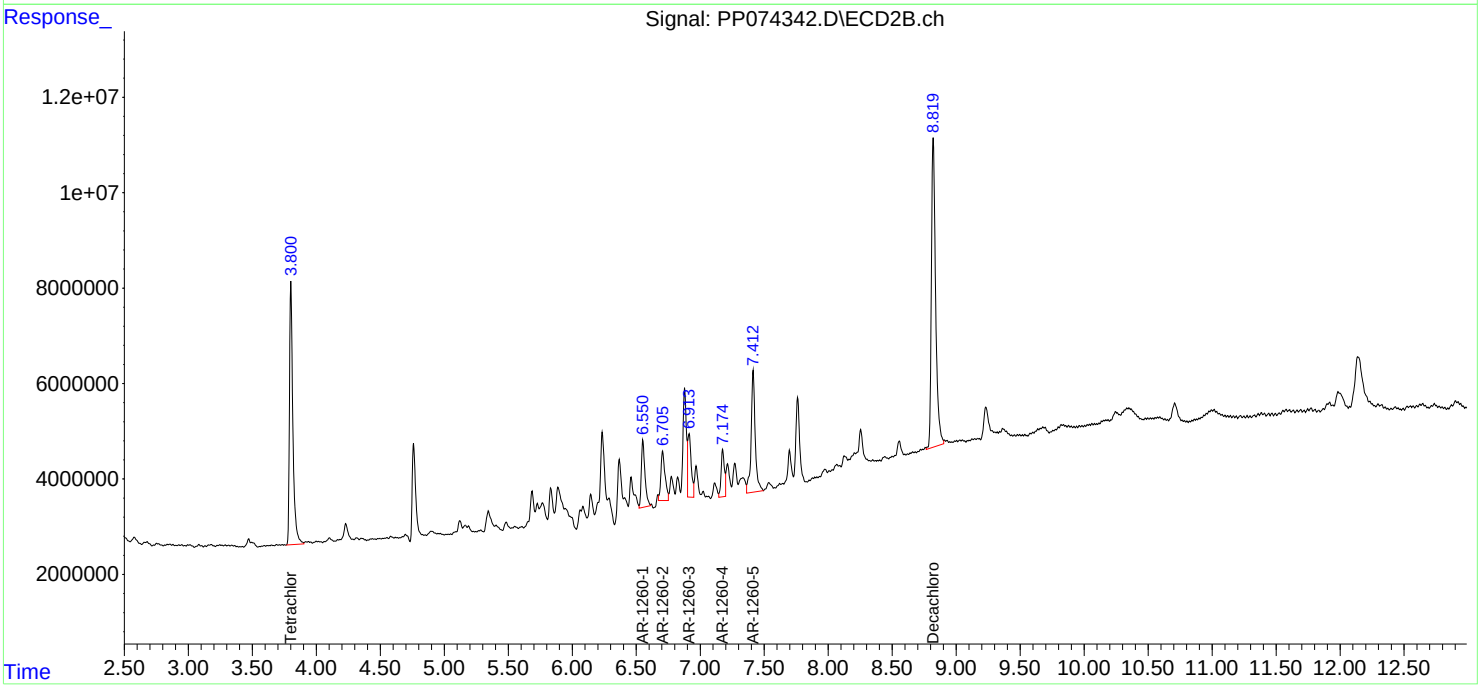
Manual Integrations APPROVED

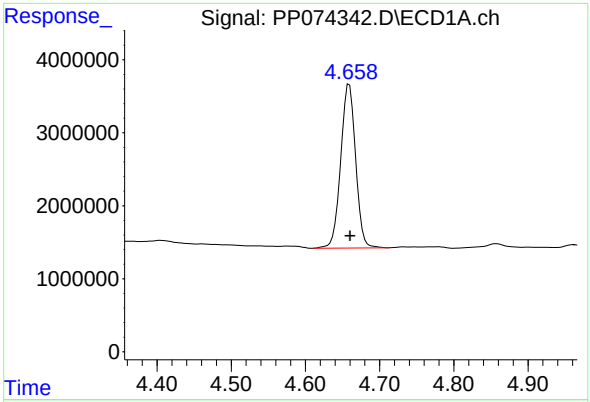
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:42:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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







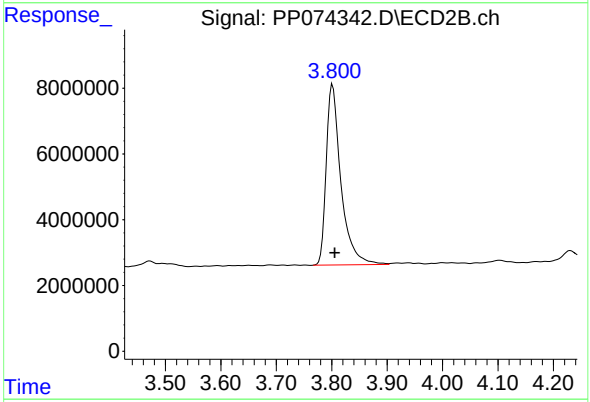
#1 Tetrachloro-m-xylene

R.T.: 4.659 min
Delta R.T.: 0.000 min
Response: 31349194
Conc: 28.03 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S01

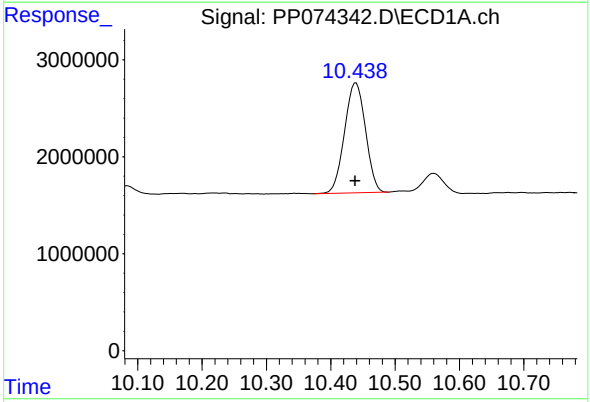
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



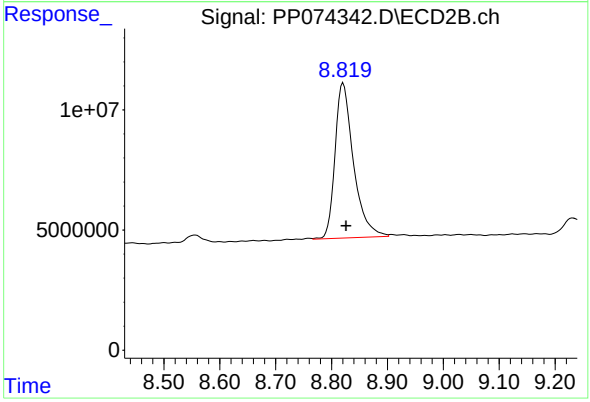
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.004 min
Response: 101607106
Conc: 26.50 ng/ml



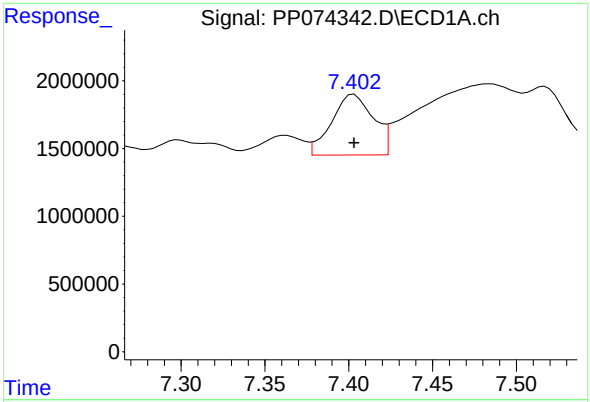
#2 Decachlorobiphenyl

R.T.: 10.439 min
Delta R.T.: 0.001 min
Response: 25646715
Conc: 26.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.821 min
Delta R.T.: -0.005 min
Response: 148386017
Conc: 24.67 ng/ml



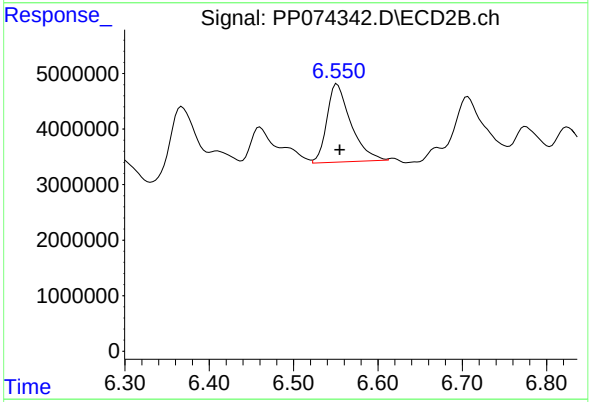
#31 AR-1260-1

R.T.: 7.403 min
Delta R.T.: 0.000 min
Response: 7749147
Conc: 137.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S01

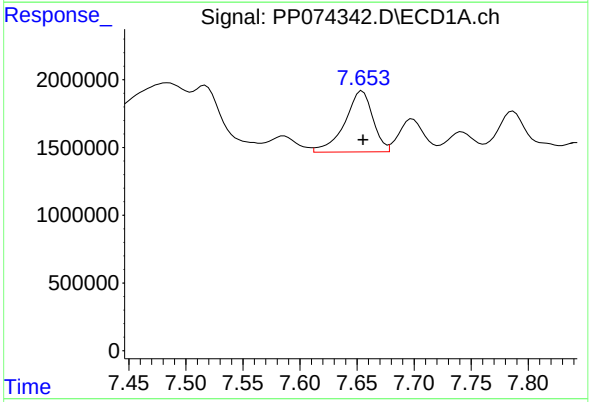
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



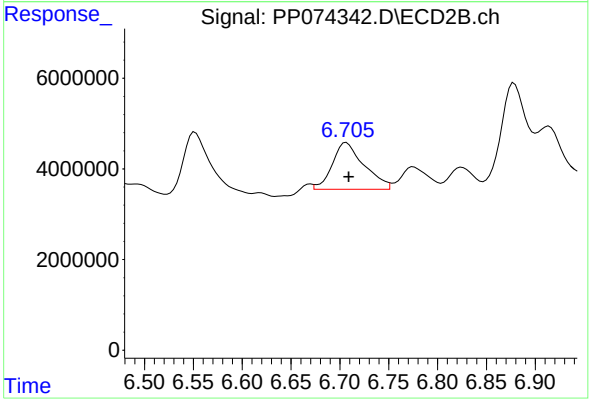
#31 AR-1260-1

R.T.: 6.550 min
Delta R.T.: -0.005 min
Response: 27723205
Conc: 68.63 ng/ml m



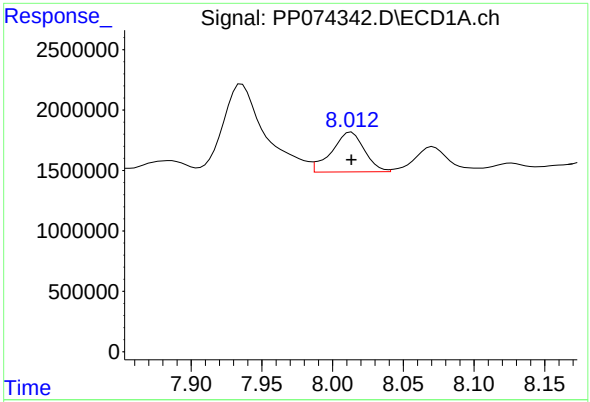
#32 AR-1260-2

R.T.: 7.655 min
Delta R.T.: 0.000 min
Response: 7733779
Conc: 113.48 ng/ml



#32 AR-1260-2

R.T.: 6.705 min
Delta R.T.: -0.004 min
Response: 23496278
Conc: 75.14 ng/ml m



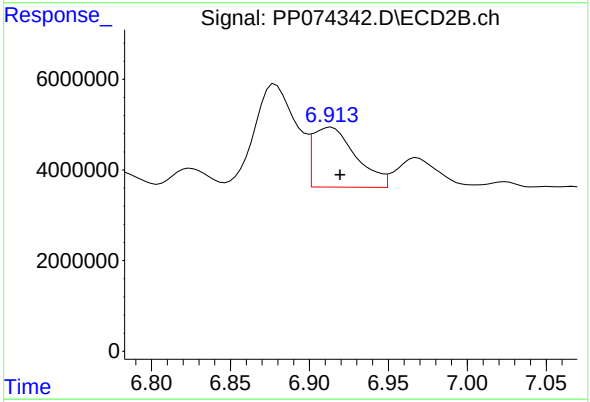
#33 AR-1260-3

R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 5311843
Conc: 99.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S01

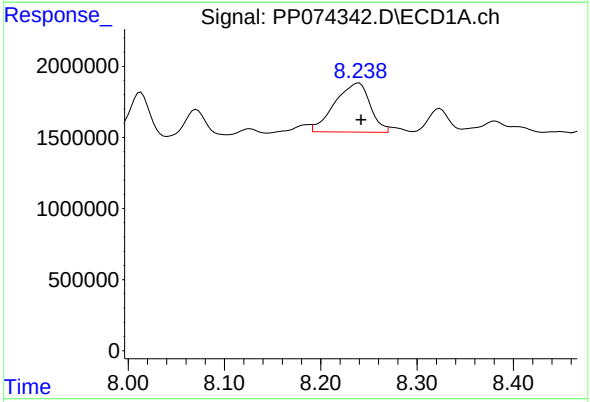
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



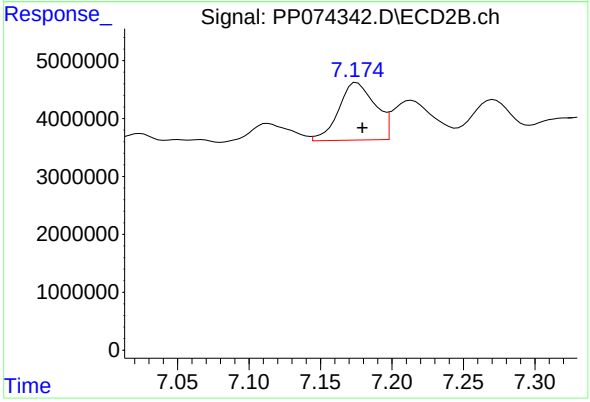
#33 AR-1260-3

R.T.: 6.914 min
Delta R.T.: -0.006 min
Response: 25077374
Conc: 63.63 ng/ml



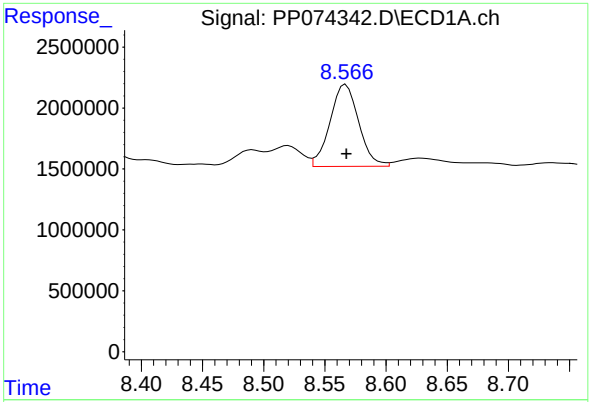
#34 AR-1260-4

R.T.: 8.238 min
Delta R.T.: -0.003 min
Response: 8867506
Conc: 141.62 ng/ml m



#34 AR-1260-4

R.T.: 7.176 min
Delta R.T.: -0.004 min
Response: 17595115
Conc: 60.47 ng/ml



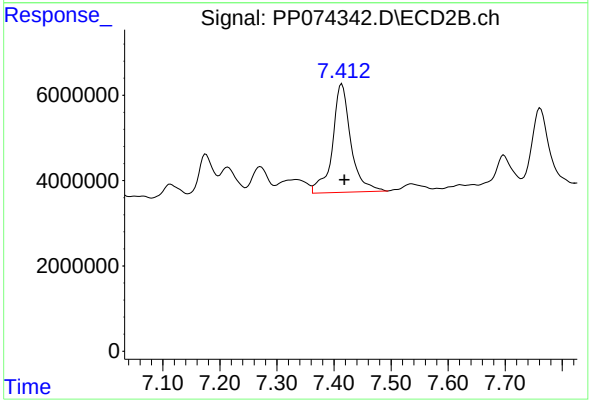
#35 AR-1260-5

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 10963460
Conc: 96.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S01

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



#35 AR-1260-5

R.T.: 7.414 min
Delta R.T.: -0.004 min
Response: 56979962
Conc: 75.23 ng/ml

Raw Data: **PP074343.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074343.D	1	08/13/25 08:33	08/13/25 13:44	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	365	E	3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.4		30 (32) - 150 (144)	142%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.6		30 (32) - 150 (175)	123%	SPK: 20

Comments:

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

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

Sample Results: **PP074343.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 13:44
Operator : YP\AJ
Sample : Q2832-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TG-S02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:42:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.662	3.804	30414749	108.8E6	27.197	28.382
2)	SA Decachlor...	10.443	8.823	23891234	140.8E6	24.601	23.420
	Target Compounds						
31)	L7 AR-1260-1	7.404	6.554	45203625	358.3E6	802.108m	886.940m
32)	L7 AR-1260-2	7.657	6.709	60691672	267.9E6	890.529m	856.763
33)	L7 AR-1260-3	8.015	6.917	42833242	414.8E6	803.687m	1052.557 #
34)	L7 AR-1260-4	8.243	7.180	72252088	334.6E6	1153.911m	1149.912
35)	L7 AR-1260-5	8.570	7.418	106.8E6	921.5E6	942.419m	1216.631 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 13:44
Operator : YP\AJ
Sample : Q2832-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

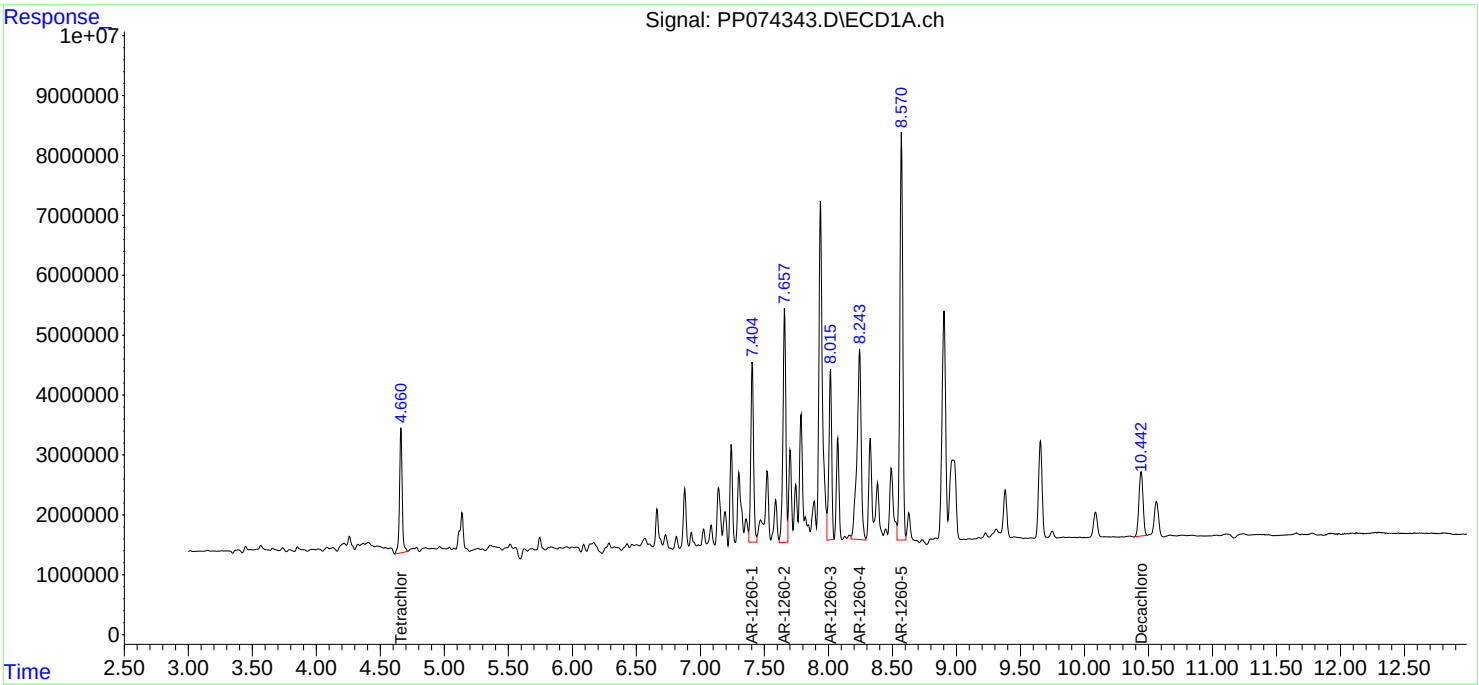
Instrument :
ECD_P
ClientSampleId :
TG-S02

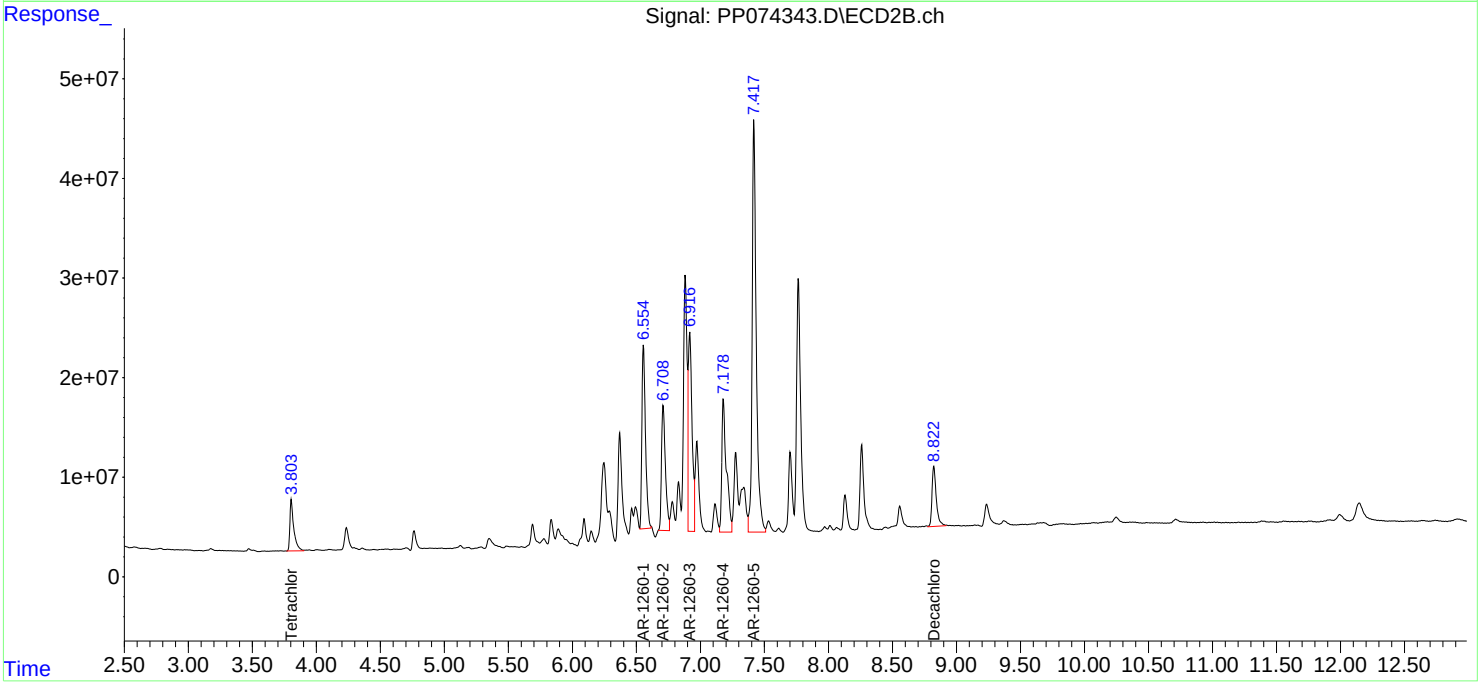
Manual Integrations APPROVED

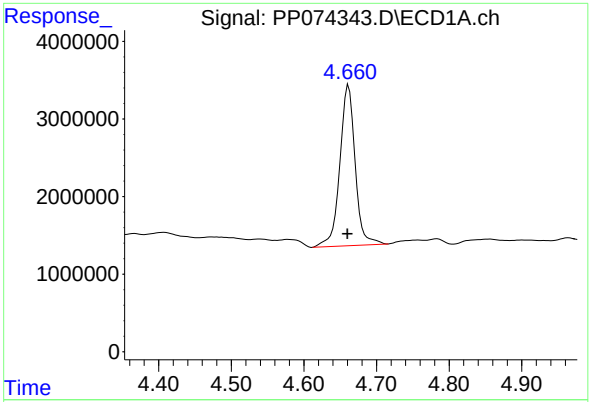
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:42:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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







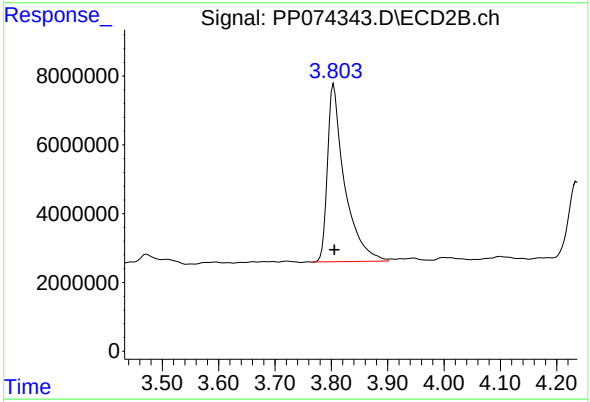
#1 Tetrachloro-m-xylene

R.T.: 4.662 min
Delta R.T.: 0.002 min
Response: 30414749
Conc: 27.20 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S02

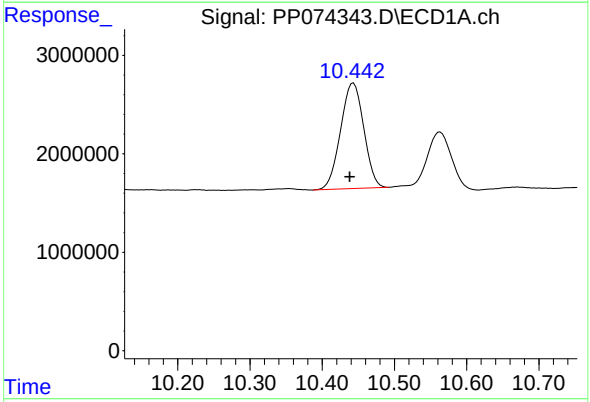
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



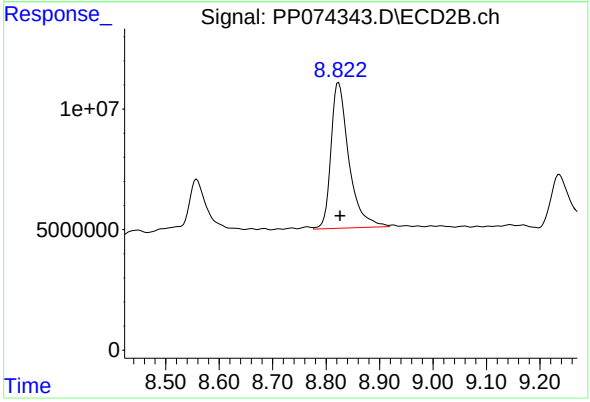
#1 Tetrachloro-m-xylene

R.T.: 3.804 min
Delta R.T.: -0.001 min
Response: 108829574
Conc: 28.38 ng/ml



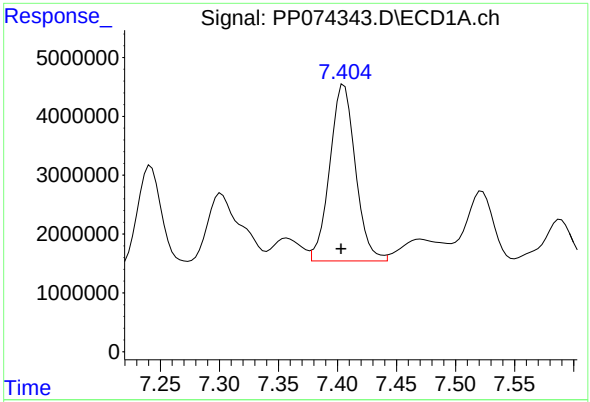
#2 Decachlorobiphenyl

R.T.: 10.443 min
Delta R.T.: 0.005 min
Response: 23891234
Conc: 24.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.823 min
Delta R.T.: -0.002 min
Response: 140836648
Conc: 23.42 ng/ml



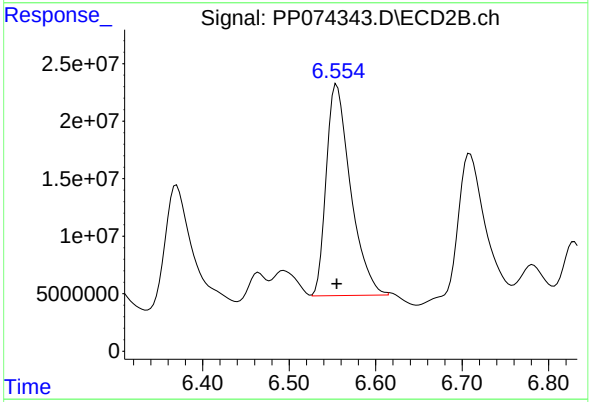
#31 AR-1260-1

R.T.: 7.404 min
Delta R.T.: 0.001 min
Response: 45203625
Conc: 802.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S02

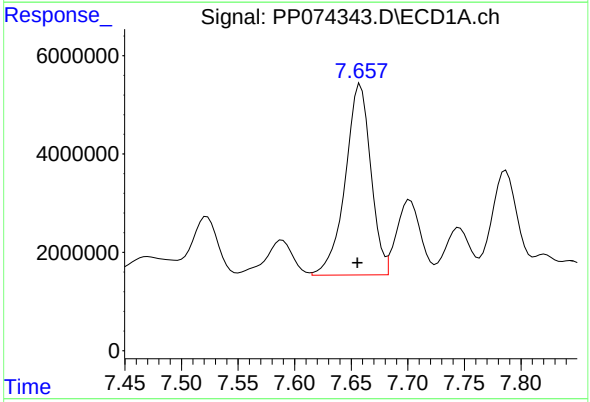
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



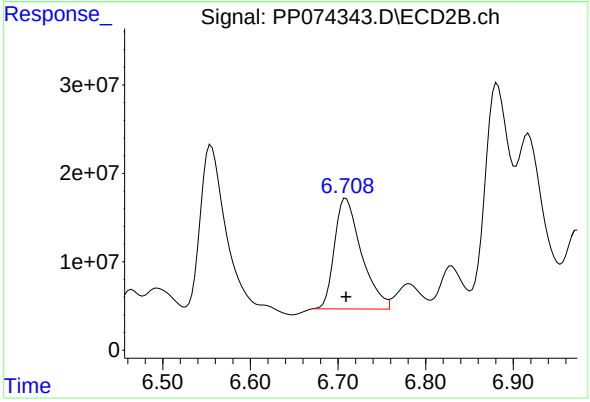
#31 AR-1260-1

R.T.: 6.554 min
Delta R.T.: -0.001 min
Response: 358285956
Conc: 886.94 ng/ml m



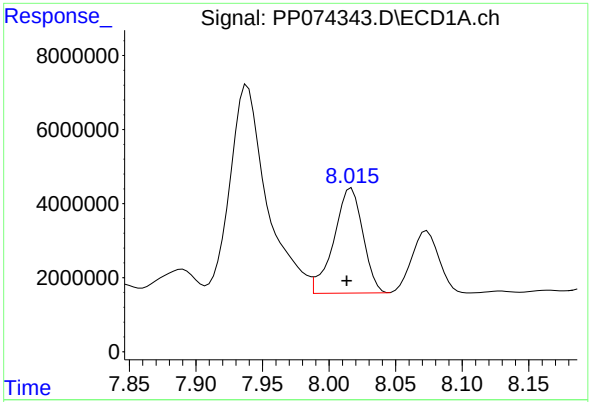
#32 AR-1260-2

R.T.: 7.657 min
Delta R.T.: 0.001 min
Response: 60691672
Conc: 890.53 ng/ml m



#32 AR-1260-2

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 267908750
Conc: 856.76 ng/ml



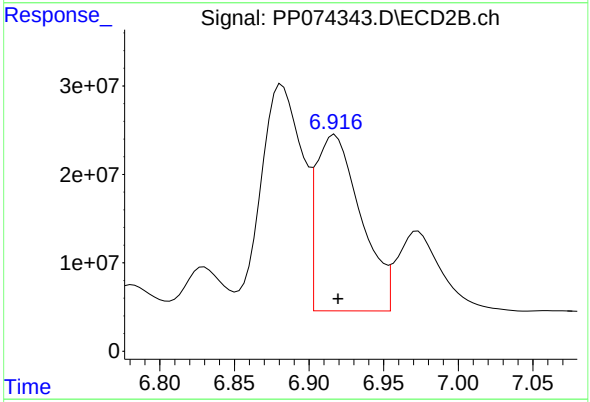
#33 AR-1260-3

R.T.: 8.015 min
Delta R.T.: 0.002 min
Response: 42833242
Conc: 803.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S02

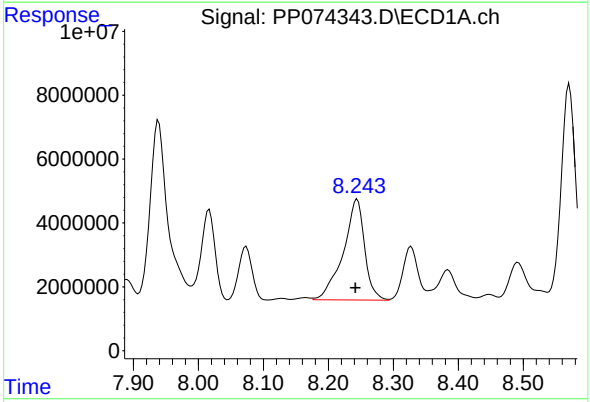
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



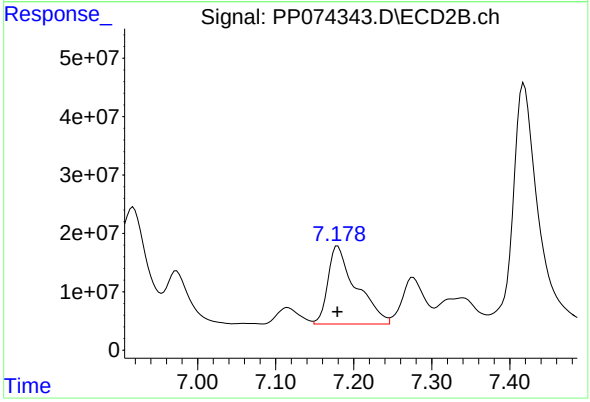
#33 AR-1260-3

R.T.: 6.917 min
Delta R.T.: -0.002 min
Response: 414832047
Conc: 1052.56 ng/ml



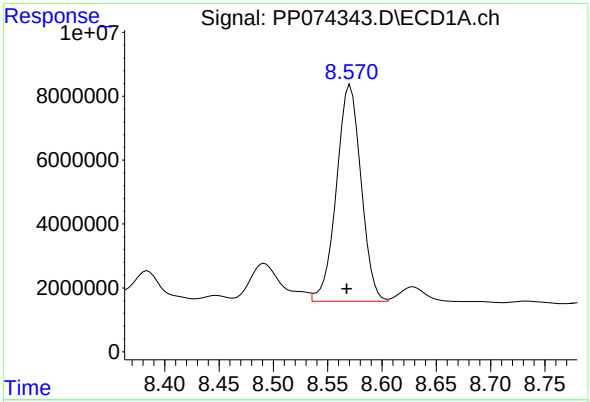
#34 AR-1260-4

R.T.: 8.243 min
Delta R.T.: 0.001 min
Response: 72252088
Conc: 1153.91 ng/ml m



#34 AR-1260-4

R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 334600561
Conc: 1149.91 ng/ml



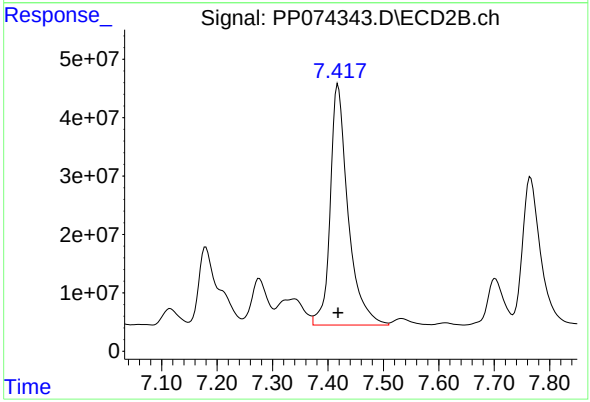
#35 AR-1260-5

R.T.: 8.570 min
Delta R.T.: 0.002 min
Response: 106780668
Conc: 942.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



#35 AR-1260-5

R.T.: 7.418 min
Delta R.T.: 0.000 min
Response: 921488463
Conc: 1216.63 ng/ml

Raw Data: **PP074381.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02DL	SDG No.:	Q2832
Lab Sample ID:	Q2832-03DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074381.D	2	08/13/25 08:33	08/14/25 10:38	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	8.40	UD	8.40	36.1	ug/kg
11104-28-2	Aroclor-1221	8.60	UD	8.60	36.1	ug/kg
11141-16-5	Aroclor-1232	7.90	UD	7.90	36.1	ug/kg
53469-21-9	Aroclor-1242	8.50	UD	8.50	36.1	ug/kg
12672-29-6	Aroclor-1248	12.6	UD	12.6	36.1	ug/kg
11097-69-1	Aroclor-1254	6.80	UD	6.80	36.1	ug/kg
37324-23-5	Aroclor-1262	10.7	UD	10.7	36.1	ug/kg
11100-14-4	Aroclor-1268	7.60	UD	7.60	36.1	ug/kg
11096-82-5	Aroclor-1260	348	D	6.90	36.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.6		30 (32) - 150 (144)	133%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		30 (32) - 150 (175)	117%	SPK: 20

Comments:

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

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

Sample Results: **PP074381.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 10:38
Operator : YP\AJ
Sample : Q2832-03DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TG-S02DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 11:05:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.656	3.799	14858597	46138310	13.287	12.033
2)	SA Decachlor...	10.438	8.818	11319057	61067829	11.655	10.155
	Target Compounds						
31)	L7 AR-1260-1	7.400	6.549	24583348	164.3E6	436.215	406.802m
32)	L7 AR-1260-2	7.653	6.704	33083674	113.5E6	485.437	362.924 #
33)	L7 AR-1260-3	8.011	6.913	23702881	166.9E6	444.741	423.376
34)	L7 AR-1260-4	8.238	7.173	39604638	143.4E6	632.511	492.787
35)	L7 AR-1260-5	8.565	7.413	51847549	375.9E6	457.593	496.269

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 10:38
Operator : YP\AJ
Sample : Q2832-03DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

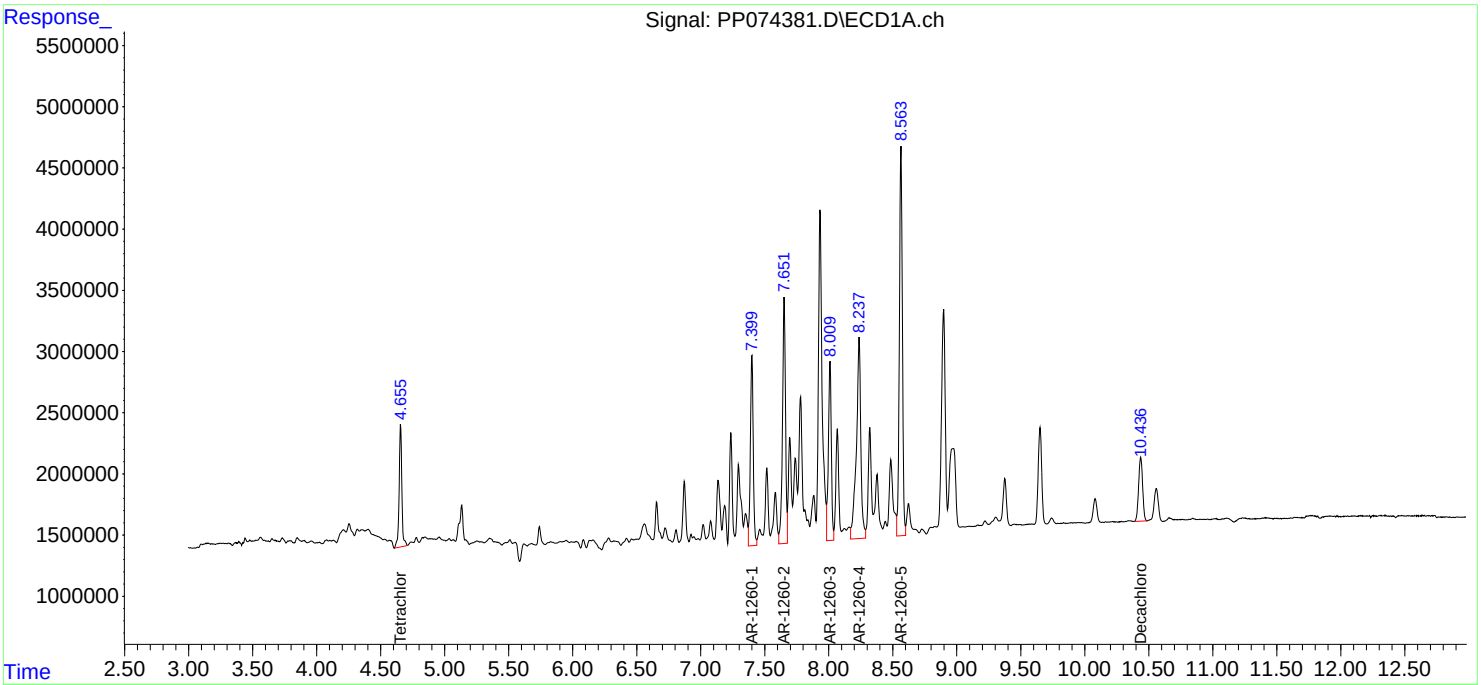
Instrument :
ECD_P
ClientSampleId :
TG-S02DL

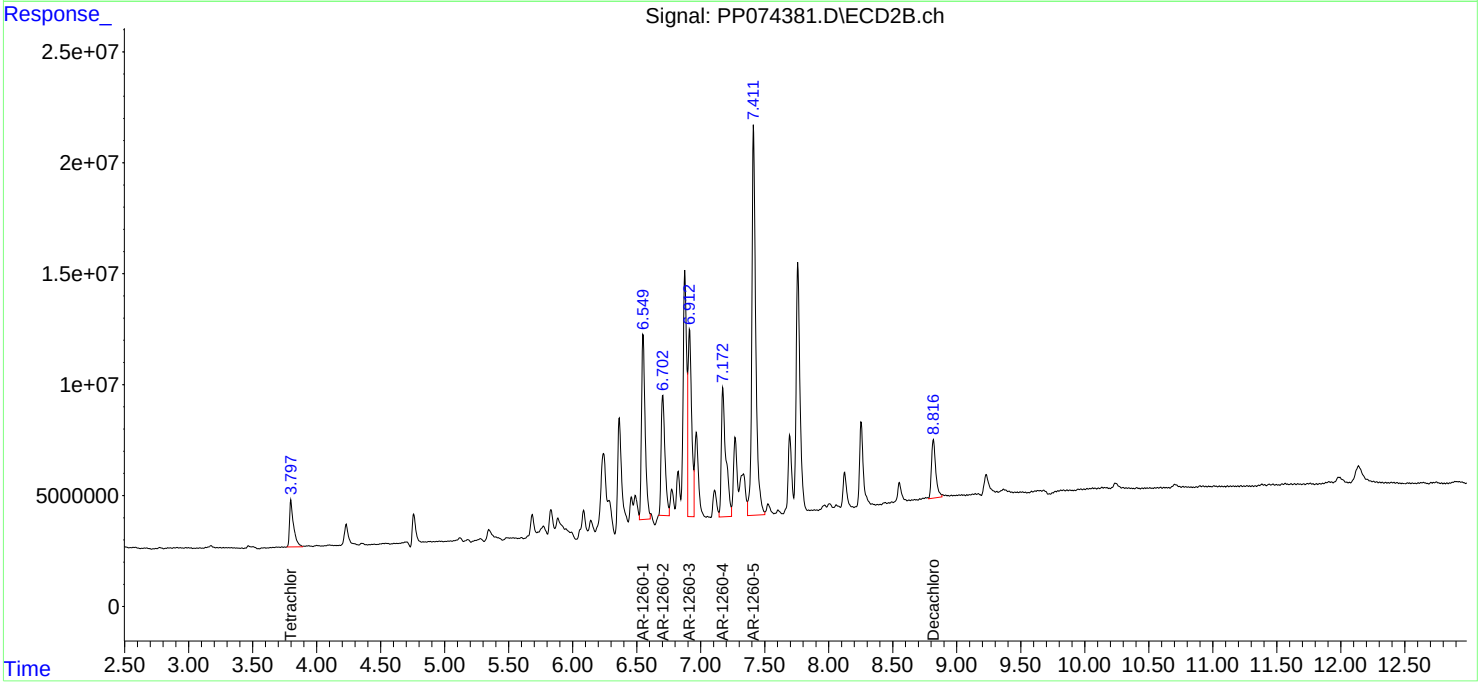
Manual Integrations APPROVED

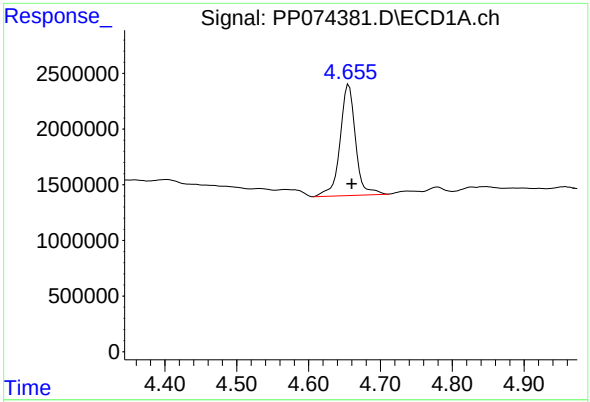
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 11:05:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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







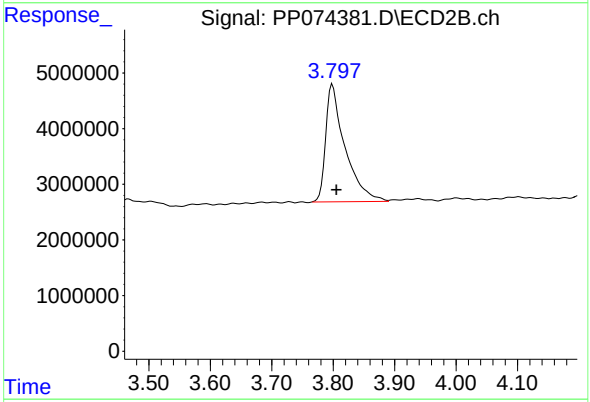
#1 Tetrachloro-m-xylene

R.T.: 4.656 min
Delta R.T.: -0.004 min
Response: 14858597
Conc: 13.29 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S02DL

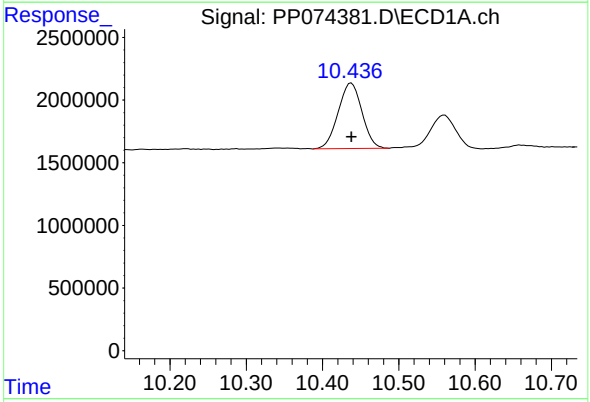
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



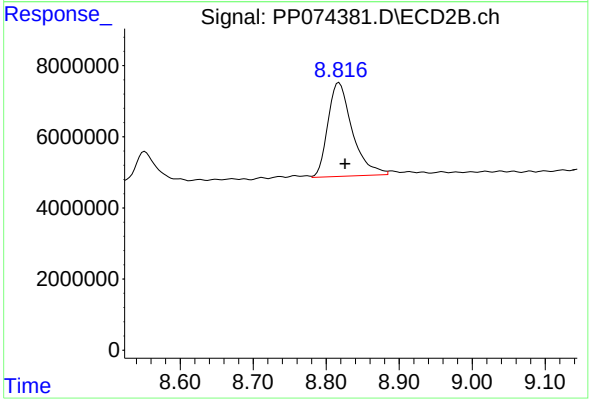
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: -0.006 min
Response: 46138310
Conc: 12.03 ng/ml



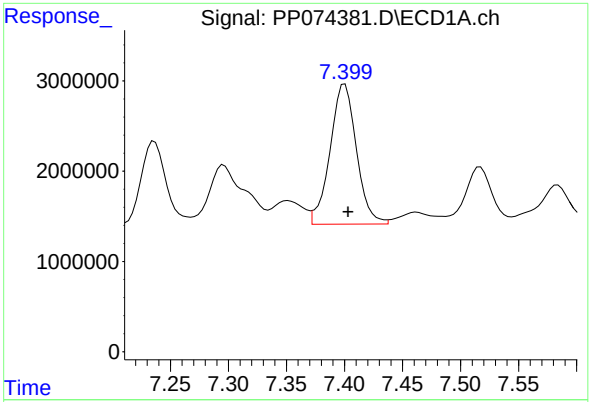
#2 Decachlorobiphenyl

R.T.: 10.438 min
Delta R.T.: 0.000 min
Response: 11319057
Conc: 11.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.008 min
Response: 61067829
Conc: 10.15 ng/ml



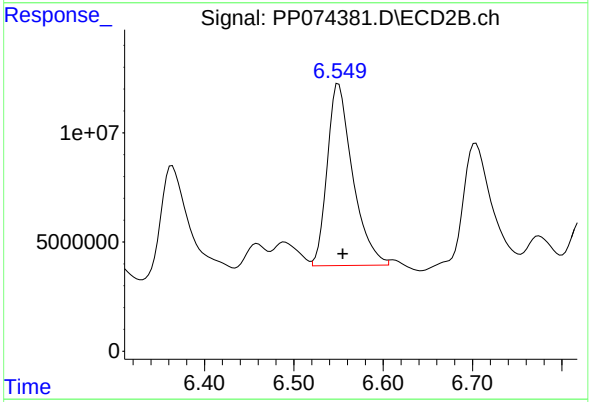
#31 AR-1260-1

R.T.: 7.400 min
Delta R.T.: -0.003 min
Response: 24583348
Conc: 436.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S02DL

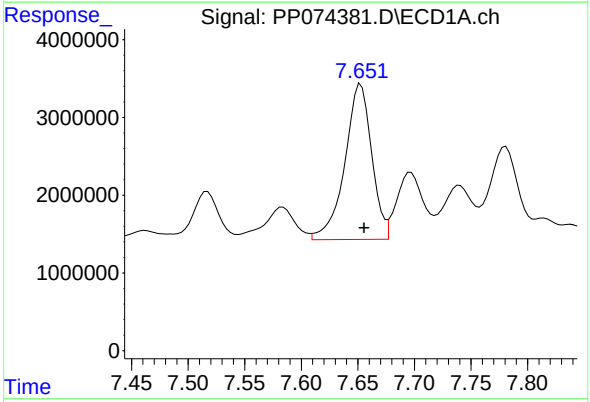
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



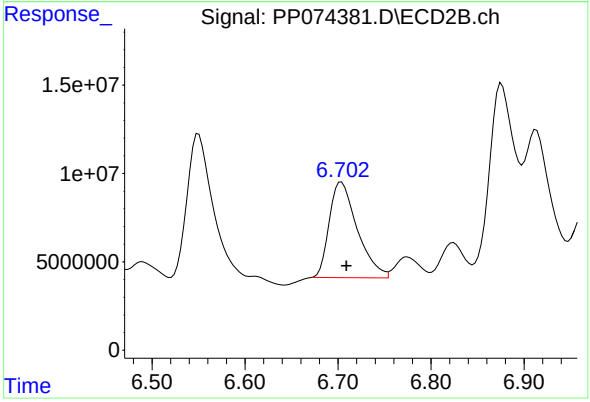
#31 AR-1260-1

R.T.: 6.549 min
Delta R.T.: -0.006 min
Response: 164330746
Conc: 406.80 ng/ml m



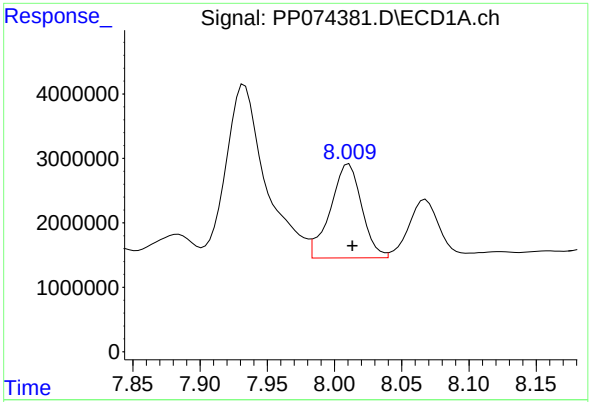
#32 AR-1260-2

R.T.: 7.653 min
Delta R.T.: -0.003 min
Response: 33083674
Conc: 485.44 ng/ml



#32 AR-1260-2

R.T.: 6.704 min
Delta R.T.: -0.005 min
Response: 113485861
Conc: 362.92 ng/ml



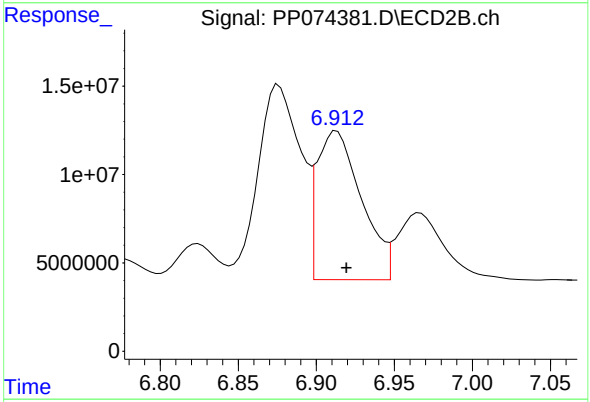
#33 AR-1260-3

R.T.: 8.011 min
Delta R.T.: -0.003 min
Response: 23702881
Conc: 444.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S02DL

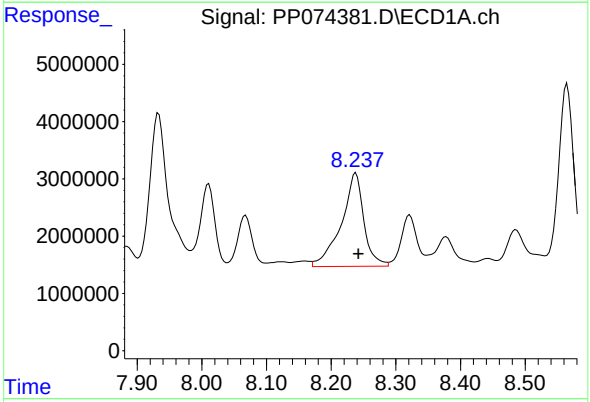
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



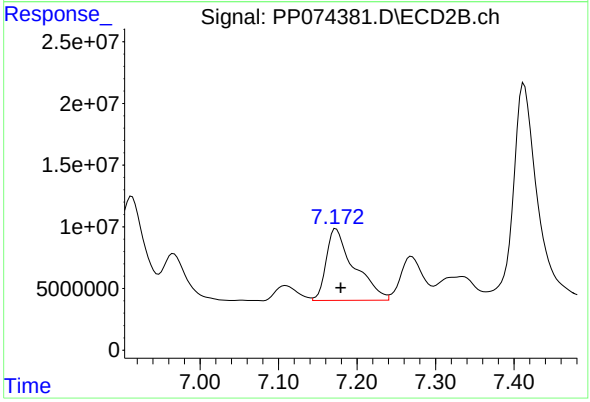
#33 AR-1260-3

R.T.: 6.913 min
Delta R.T.: -0.006 min
Response: 166860300
Conc: 423.38 ng/ml



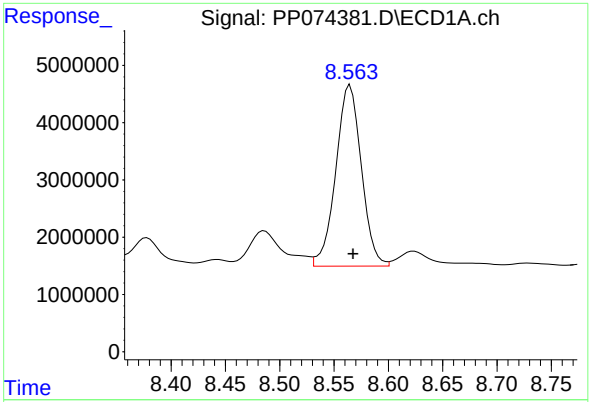
#34 AR-1260-4

R.T.: 8.238 min
Delta R.T.: -0.004 min
Response: 39604638
Conc: 632.51 ng/ml



#34 AR-1260-4

R.T.: 7.173 min
Delta R.T.: -0.006 min
Response: 143390949
Conc: 492.79 ng/ml



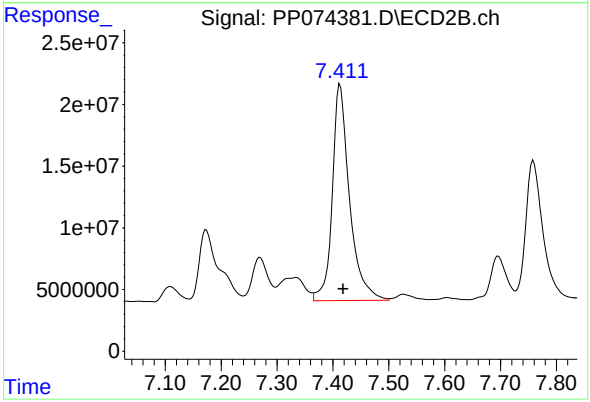
#35 AR-1260-5

R.T.: 8.565 min
Delta R.T.: -0.003 min
Response: 51847549
Conc: 457.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S02DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



#35 AR-1260-5

R.T.: 7.413 min
Delta R.T.: -0.005 min
Response: 375878909
Conc: 496.27 ng/ml

Raw Data: **PP074346.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074346.D	1	08/13/25 08:33	08/13/25 14:32	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.1	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.1	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.1	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.1	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.1	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.1	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.1	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.1	ug/kg
11096-82-5	Aroclor-1260	578	E	3.40	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.3		30 (32) - 150 (144)	142%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		30 (32) - 150 (175)	110%	SPK: 20

Comments:

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

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

Sample Results: **PP074346.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 14:32
Operator : YP\AJ
Sample : Q2832-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TG-S03

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:45:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.659	3.803	24689534	108.7E6	22.078m	28.336	#
2)	SA Decachlor...	10.444	8.823	21319341	132.4E6	21.952	22.017	
	Target Compounds							
31)	L7 AR-1260-1	7.405	6.554	70086157	637.4E6	1243.631	1577.844	#
32)	L7 AR-1260-2	7.658	6.709	88161952	401.5E6	1293.601	1283.864	
33)	L7 AR-1260-3	8.016	6.916	66345973	638.0E6	1244.860	1618.836	#
34)	L7 AR-1260-4	8.244	7.179	114.7E6	518.3E6	1832.549	1781.068	
35)	L7 AR-1260-5	8.571	7.417	158.3E6	1424.2E6	1397.405	1880.412	#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 14:32
Operator : YP\AJ
Sample : Q2832-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

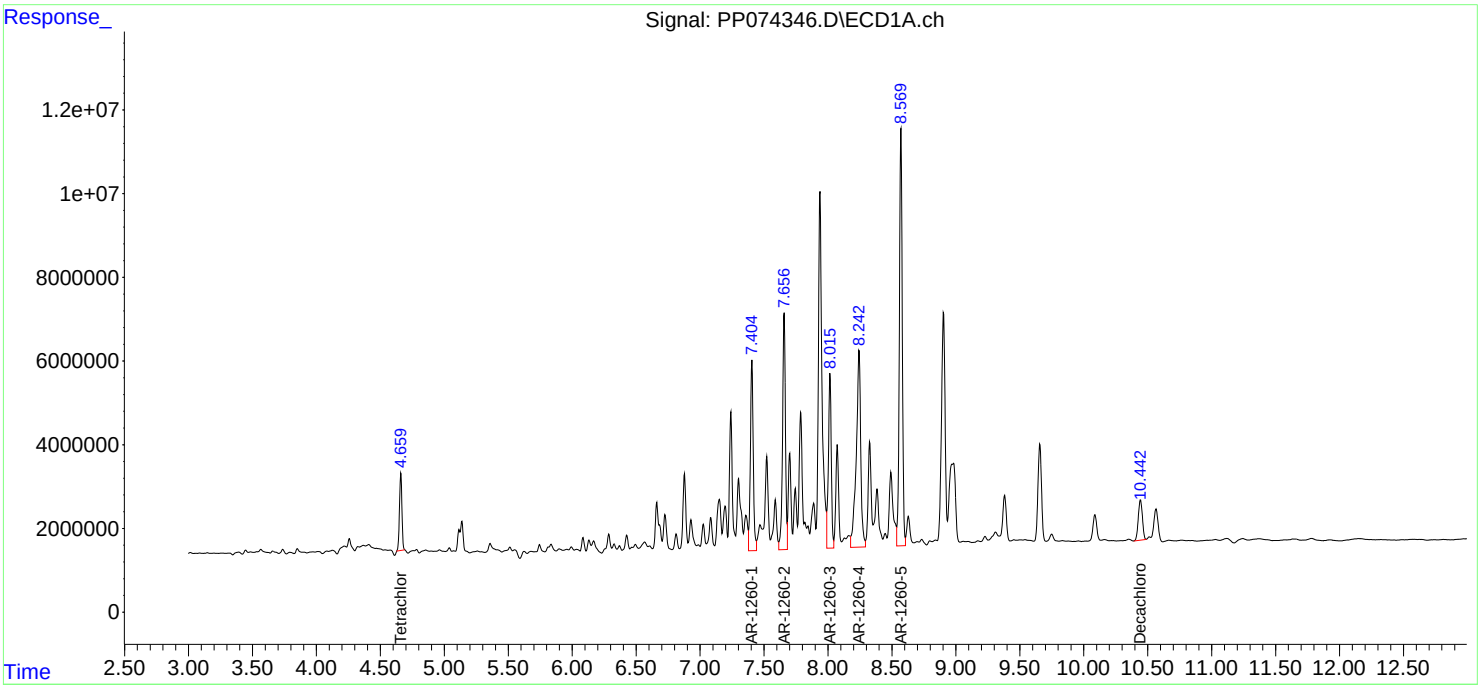
Instrument :
ECD_P
ClientSampleId :
TG-S03

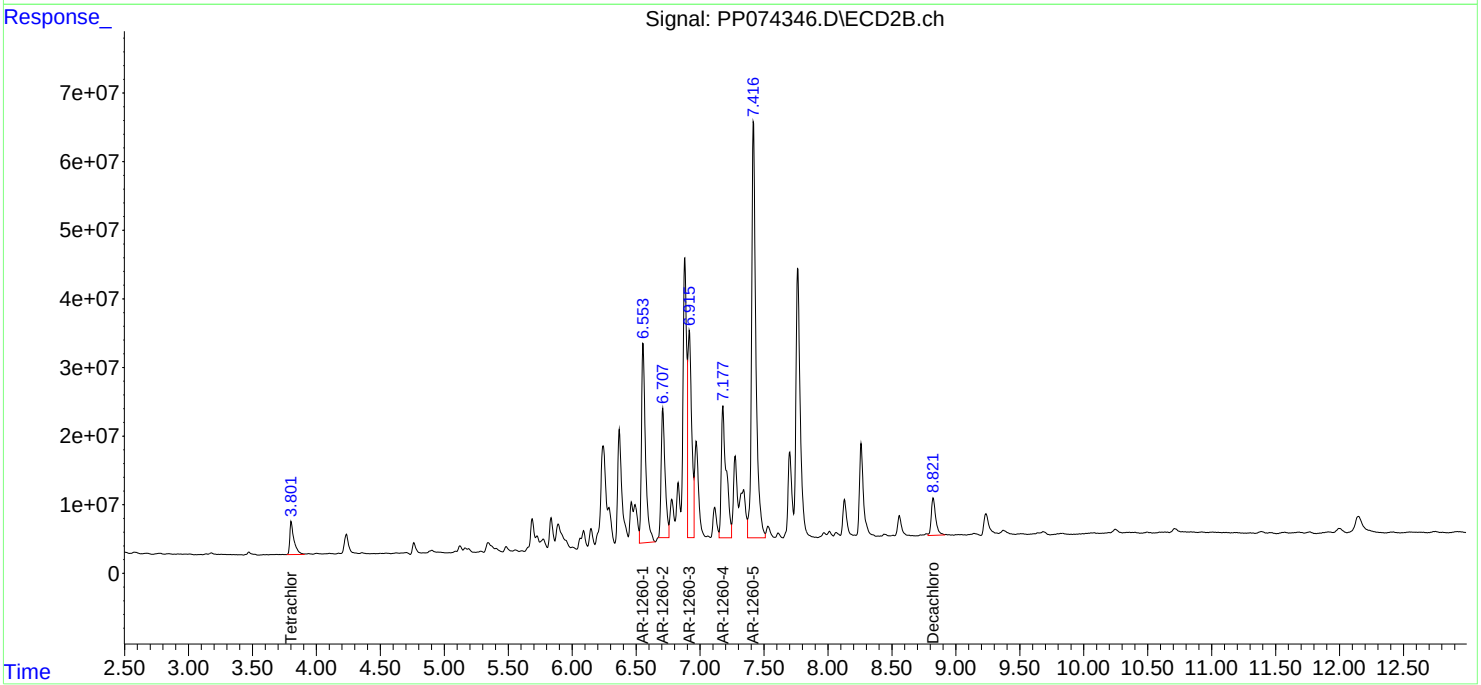
Manual Integrations APPROVED

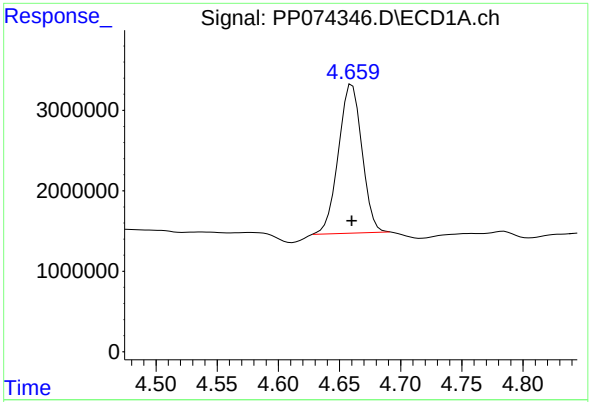
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:45:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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







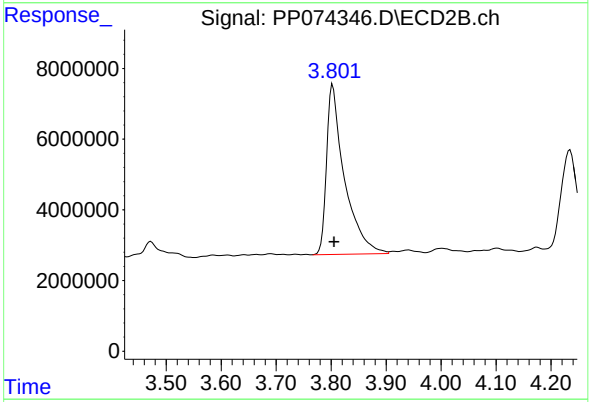
#1 Tetrachloro-m-xylene

R.T.: 4.659 min
Delta R.T.: -0.001 min
Response: 24689534
Conc: 22.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S03

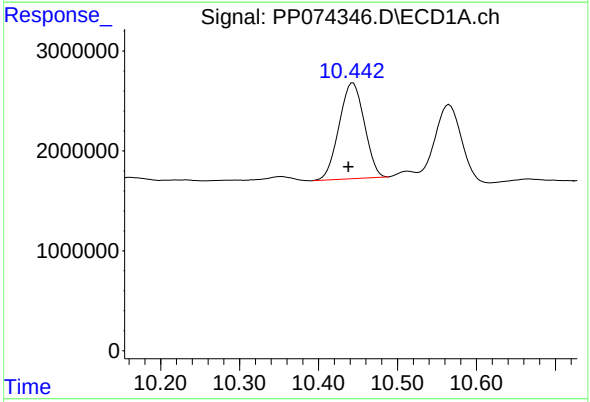
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



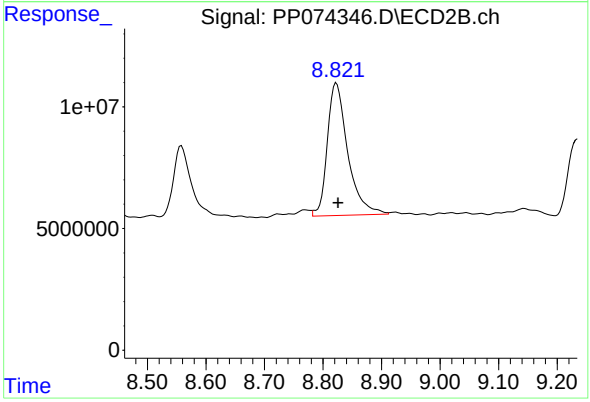
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.002 min
Response: 108651540
Conc: 28.34 ng/ml



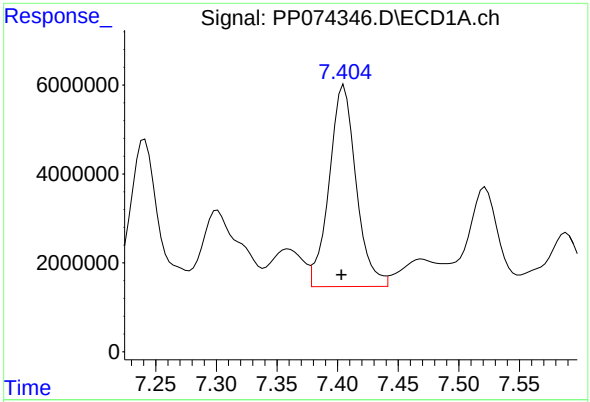
#2 Decachlorobiphenyl

R.T.: 10.444 min
Delta R.T.: 0.006 min
Response: 21319341
Conc: 21.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.823 min
Delta R.T.: -0.003 min
Response: 132399507
Conc: 22.02 ng/ml



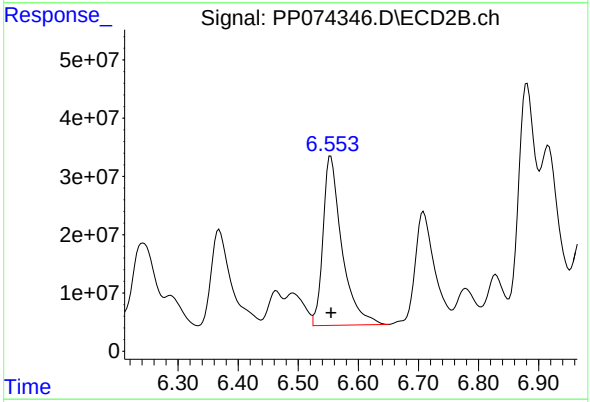
#31 AR-1260-1

R.T.: 7.405 min
Delta R.T.: 0.002 min
Response: 70086157
Conc: 1243.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S03

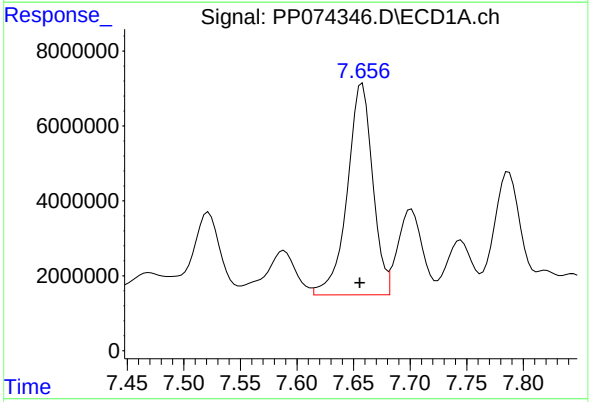
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



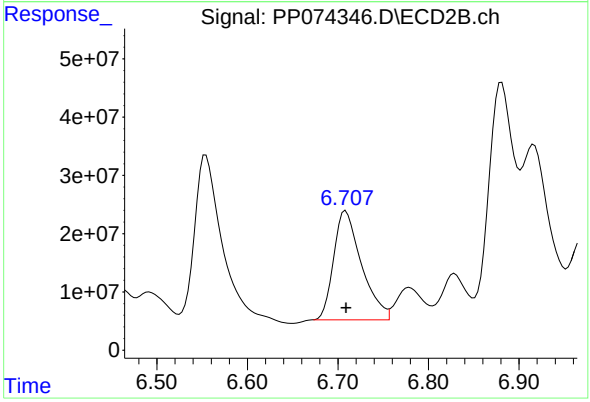
#31 AR-1260-1

R.T.: 6.554 min
Delta R.T.: 0.000 min
Response: 637381281
Conc: 1577.84 ng/ml



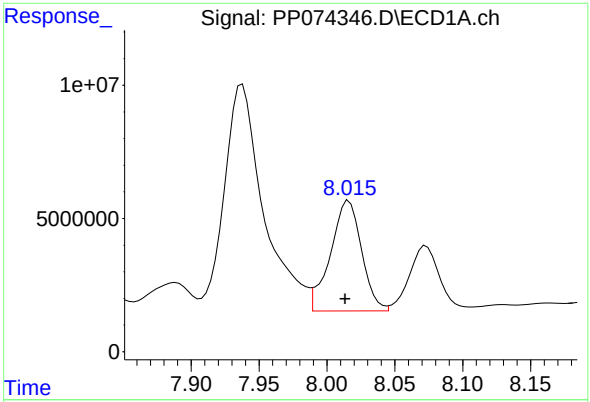
#32 AR-1260-2

R.T.: 7.658 min
Delta R.T.: 0.002 min
Response: 88161952
Conc: 1293.60 ng/ml



#32 AR-1260-2

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 401462719
Conc: 1283.86 ng/ml



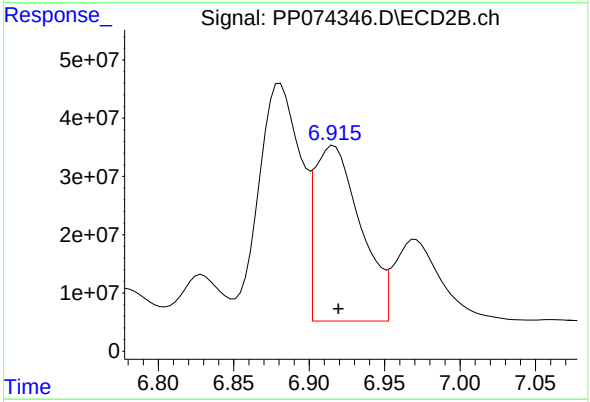
#33 AR-1260-3

R.T.: 8.016 min
Delta R.T.: 0.003 min
Response: 66345973
Conc: 1244.86 ng/m

Instrument :
ECD_P
ClientSampleId :
TG-S03

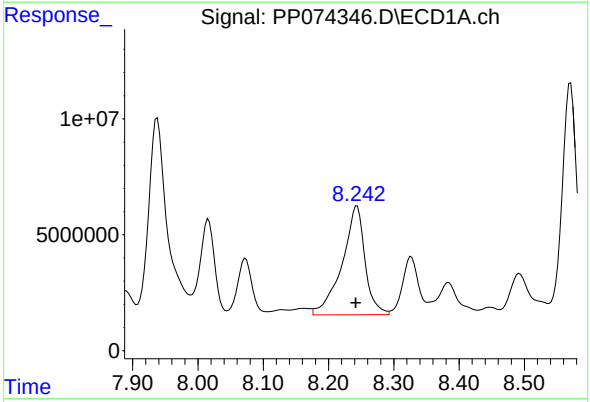
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



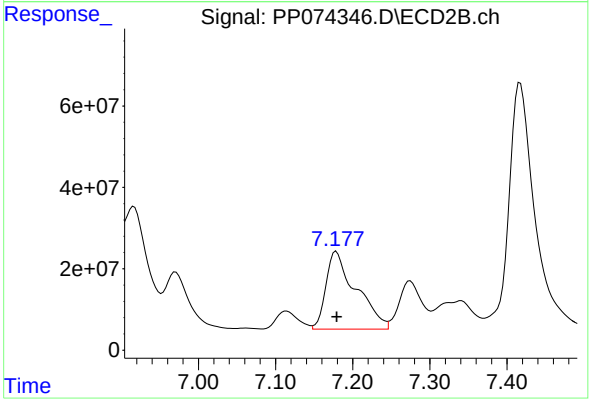
#33 AR-1260-3

R.T.: 6.916 min
Delta R.T.: -0.003 min
Response: 638012936
Conc: 1618.84 ng/ml



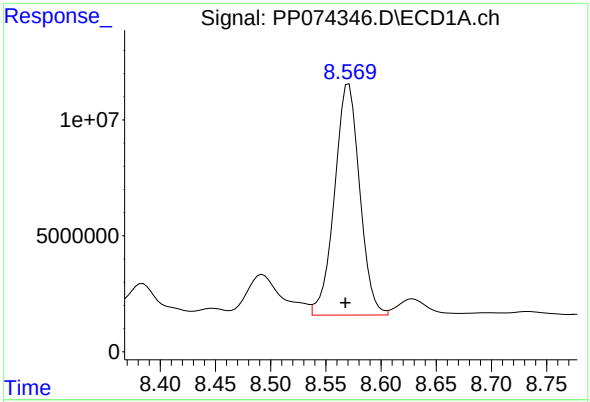
#34 AR-1260-4

R.T.: 8.244 min
Delta R.T.: 0.002 min
Response: 114744987
Conc: 1832.55 ng/ml



#34 AR-1260-4

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 518254024
Conc: 1781.07 ng/ml



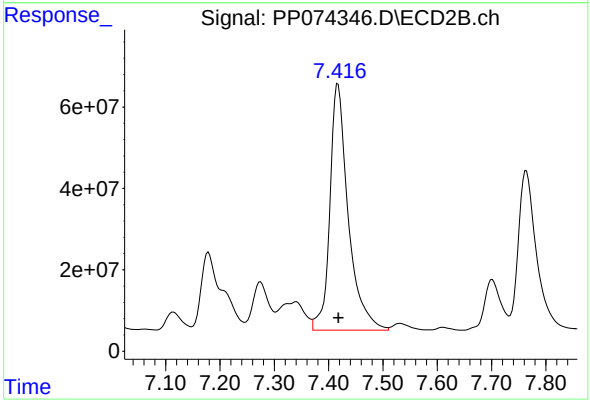
#35 AR-1260-5

R.T.: 8.571 min
Delta R.T.: 0.003 min
Response: 158332846
Conc: 1397.40 ng/m

Instrument :
ECD_P
ClientSampleId :
TG-S03

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



#35 AR-1260-5

R.T.: 7.417 min
Delta R.T.: 0.000 min
Response: 1424242438
Conc: 1880.41 ng/ml

Raw Data: **PP074382.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03DL	SDG No.:	Q2832
Lab Sample ID:	Q2832-05DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074382.D	2	08/13/25 08:33	08/14/25 10:55	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	8.40	UD	8.40	36.2	ug/kg
11104-28-2	Aroclor-1221	8.60	UD	8.60	36.2	ug/kg
11141-16-5	Aroclor-1232	7.90	UD	7.90	36.2	ug/kg
53469-21-9	Aroclor-1242	8.50	UD	8.50	36.2	ug/kg
12672-29-6	Aroclor-1248	12.6	UD	12.6	36.2	ug/kg
11097-69-1	Aroclor-1254	6.80	UD	6.80	36.2	ug/kg
37324-23-5	Aroclor-1262	10.7	UD	10.7	36.2	ug/kg
11100-14-4	Aroclor-1268	7.70	UD	7.70	36.2	ug/kg
11096-82-5	Aroclor-1260	553	D	6.90	36.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.4		30 (32) - 150 (144)	142%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		30 (32) - 150 (175)	115%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 10:55
Operator : YP\AJ
Sample : Q2832-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TG-S03DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 11:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.802	15906431	50475759	14.224	13.164
2)	SA Decachlor...	10.442	8.821	11150572	64859175	11.482	10.785
	Target Compounds						
31)	L7 AR-1260-1	7.404	6.553	38090547	311.5E6	675.891	771.143
32)	L7 AR-1260-2	7.656	6.708	47751875	194.5E6	700.664	622.038
33)	L7 AR-1260-3	8.015	6.915	35355481	306.1E6	663.381	776.735
34)	L7 AR-1260-4	8.242	7.177	60897365	249.7E6	972.569	858.103
35)	L7 AR-1260-5	8.569	7.417	80168962	653.6E6	707.551	862.943

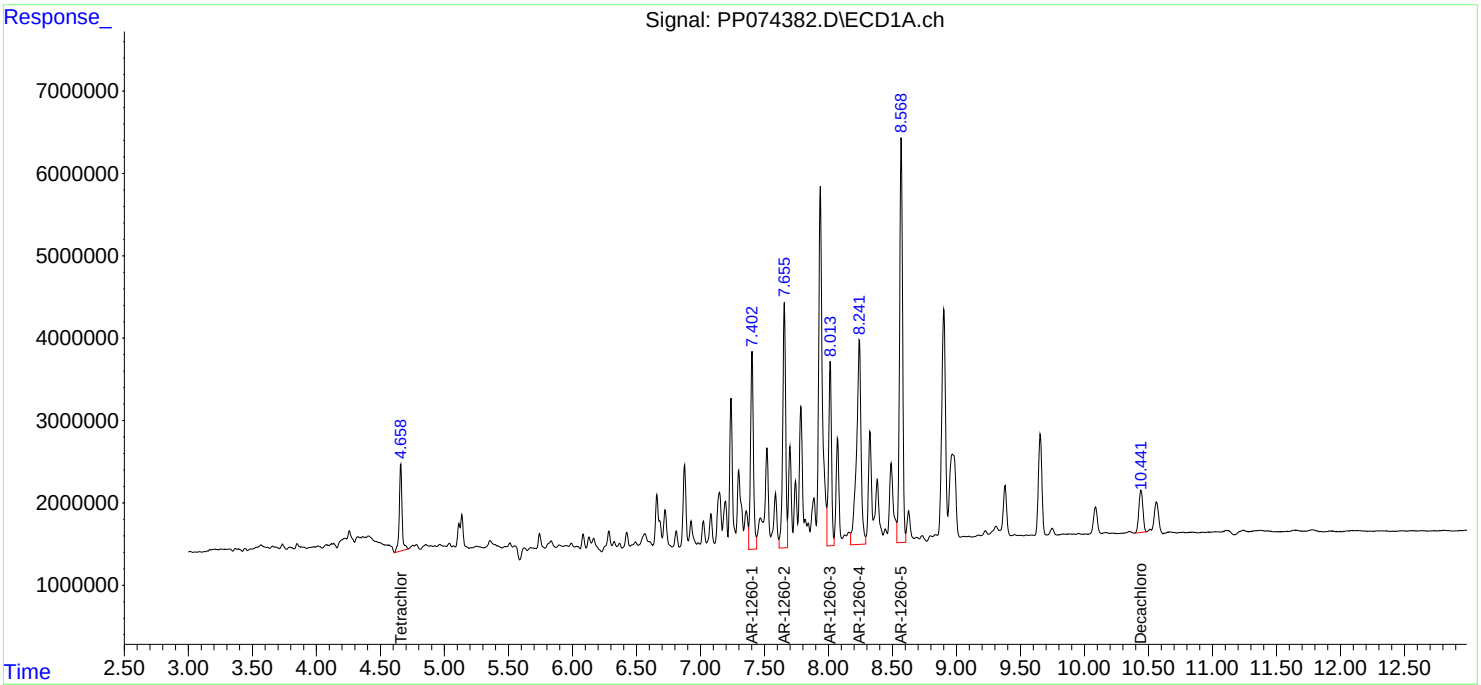
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

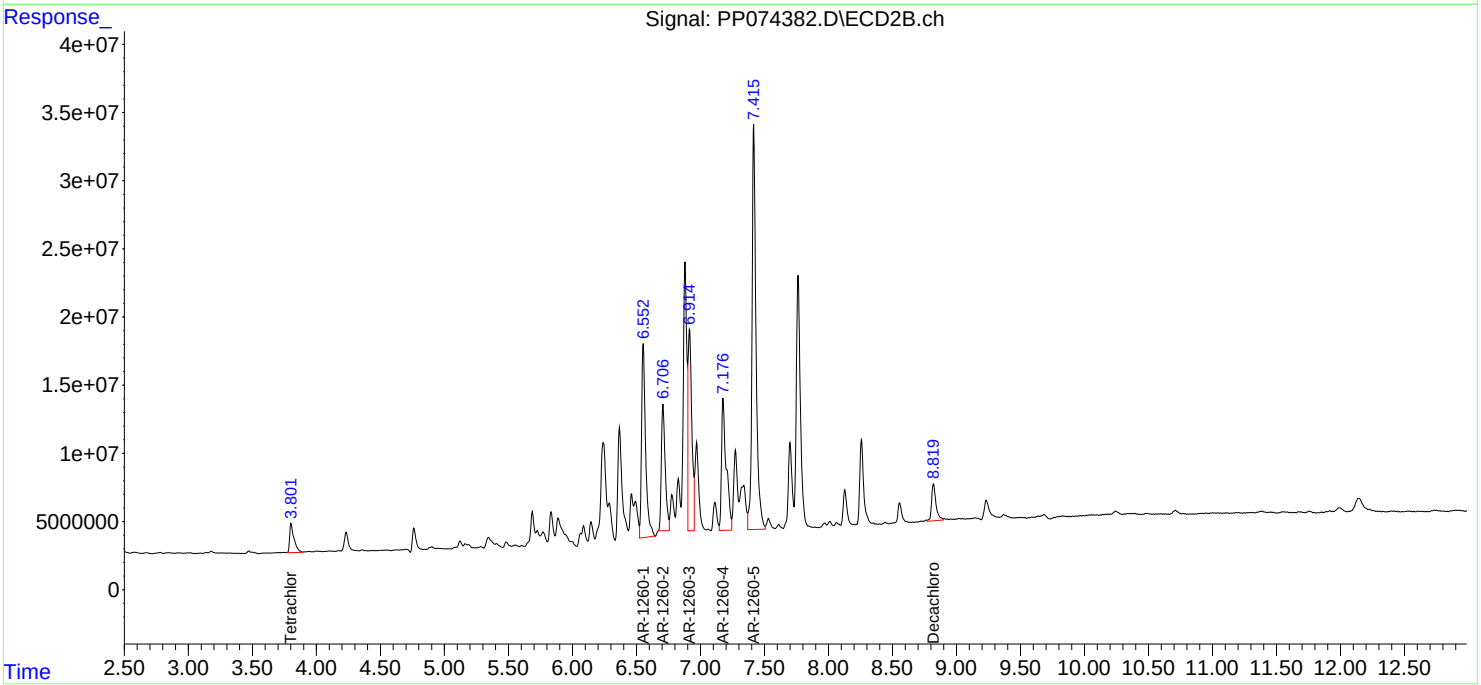
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 10:55
Operator : YP\AJ
Sample : Q2832-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

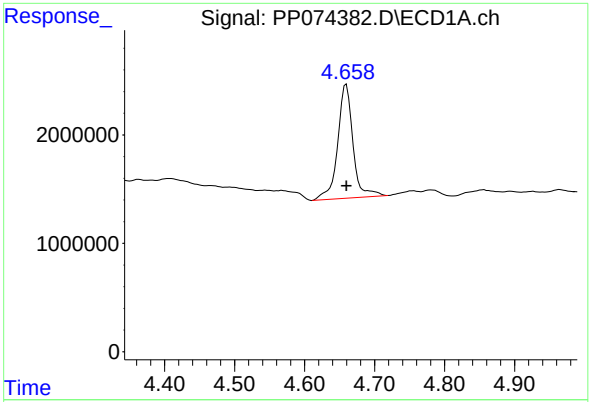
Instrument :
ECD_P
ClientSampleId :
TG-S03DL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 11:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



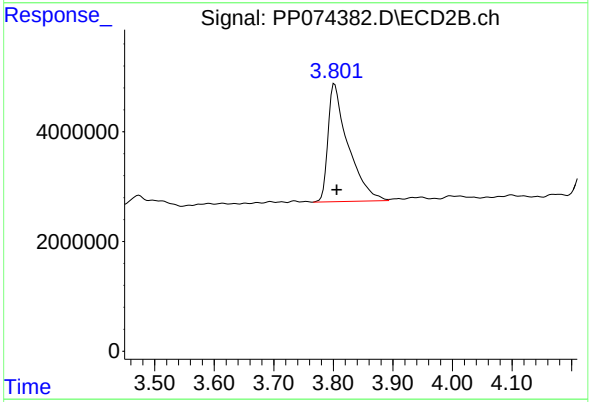




#1 Tetrachloro-m-xylene

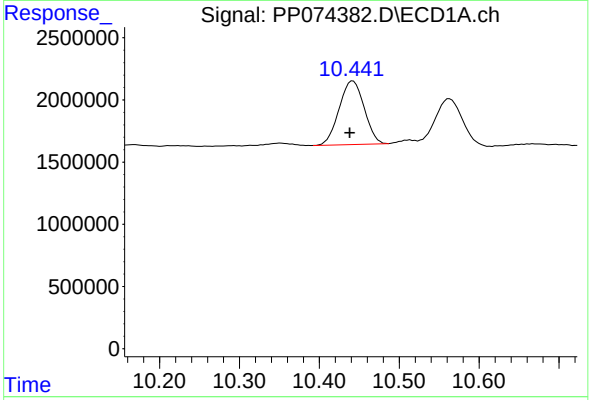
R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 15906431
Conc: 14.22 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S03DL



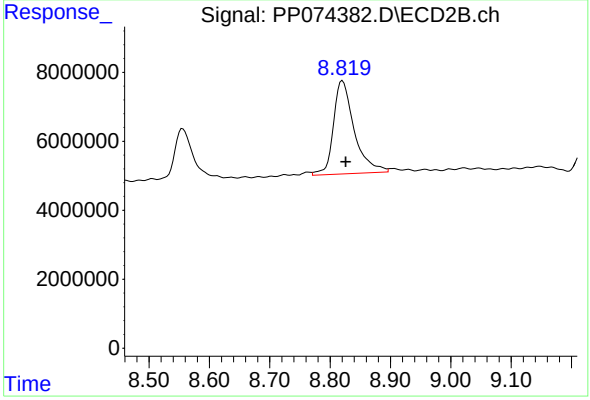
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.003 min
Response: 50475759
Conc: 13.16 ng/ml



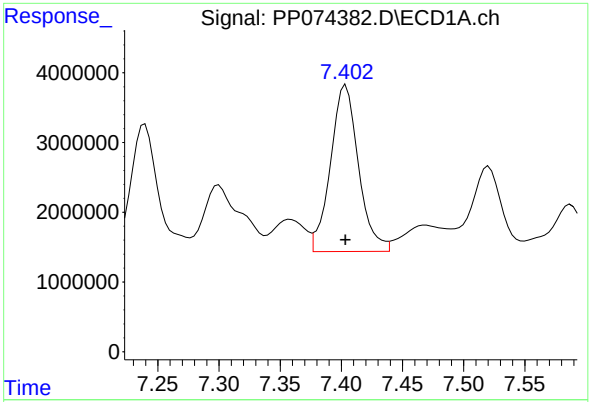
#2 Decachlorobiphenyl

R.T.: 10.442 min
Delta R.T.: 0.004 min
Response: 11150572
Conc: 11.48 ng/ml



#2 Decachlorobiphenyl

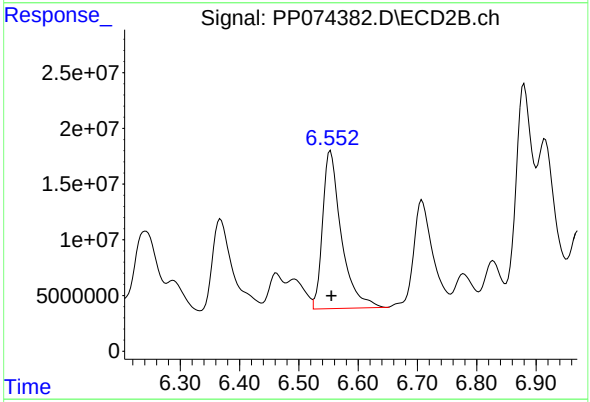
R.T.: 8.821 min
Delta R.T.: -0.005 min
Response: 64859175
Conc: 10.79 ng/ml



#31 AR-1260-1

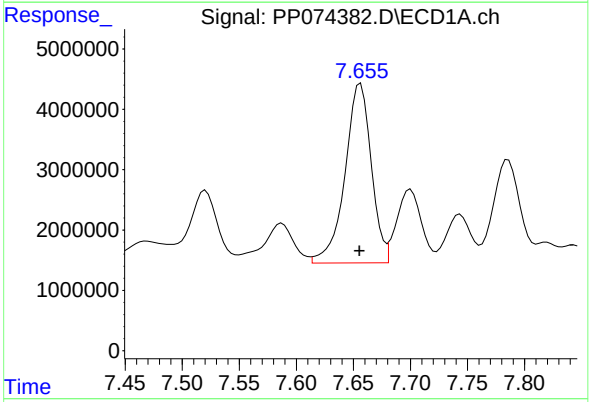
R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 38090547
Conc: 675.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S03DL



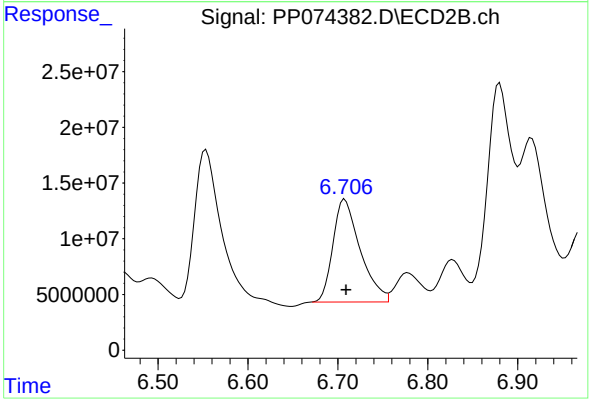
#31 AR-1260-1

R.T.: 6.553 min
Delta R.T.: -0.001 min
Response: 311508914
Conc: 771.14 ng/ml



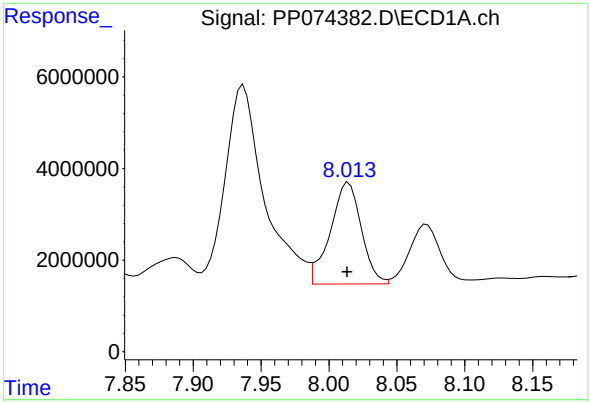
#32 AR-1260-2

R.T.: 7.656 min
Delta R.T.: 0.000 min
Response: 47751875
Conc: 700.66 ng/ml



#32 AR-1260-2

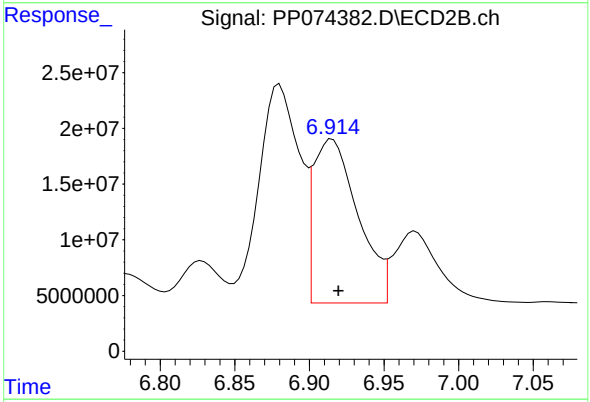
R.T.: 6.708 min
Delta R.T.: -0.001 min
Response: 194510621
Conc: 622.04 ng/ml



#33 AR-1260-3

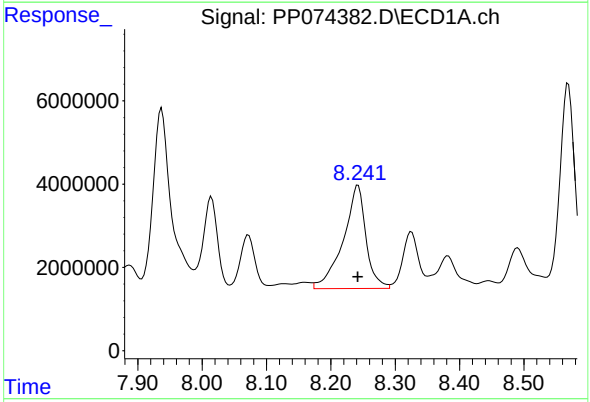
R.T.: 8.015 min
Delta R.T.: 0.001 min
Response: 35355481
Conc: 663.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S03DL



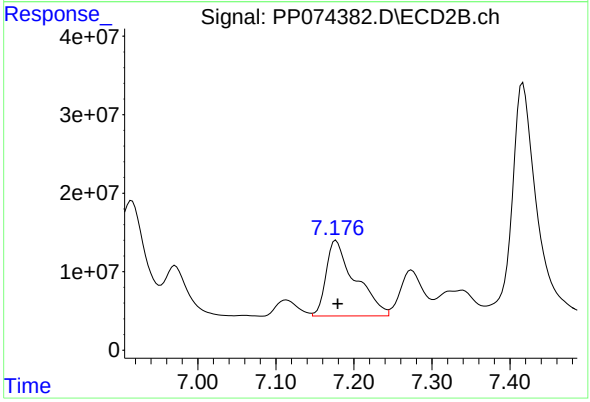
#33 AR-1260-3

R.T.: 6.915 min
Delta R.T.: -0.004 min
Response: 306125333
Conc: 776.73 ng/ml



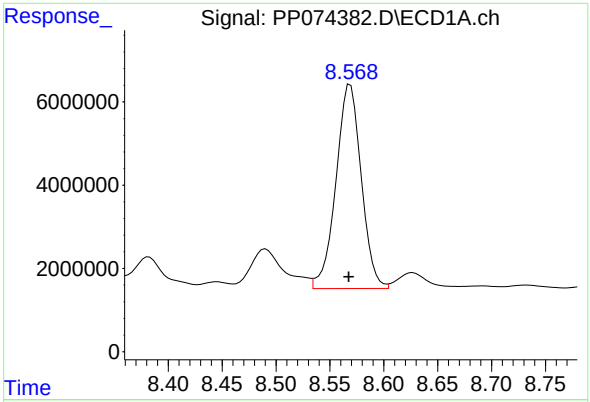
#34 AR-1260-4

R.T.: 8.242 min
Delta R.T.: 0.000 min
Response: 60897365
Conc: 972.57 ng/ml



#34 AR-1260-4

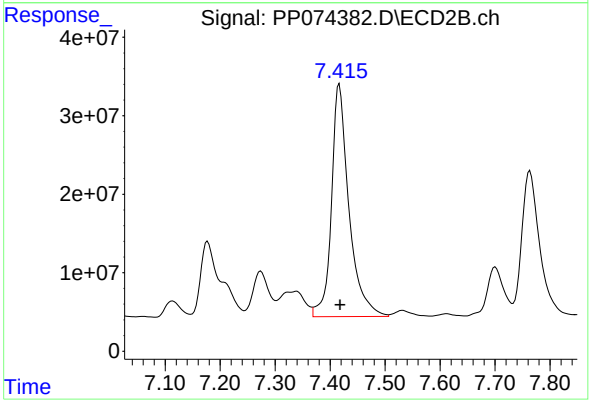
R.T.: 7.177 min
Delta R.T.: -0.002 min
Response: 249690248
Conc: 858.10 ng/ml



#35 AR-1260-5

R.T.: 8.569 min
Delta R.T.: 0.001 min
Response: 80168962
Conc: 707.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
TG-S03DL



#35 AR-1260-5

R.T.: 7.417 min
Delta R.T.: -0.001 min
Response: 653601355
Conc: 862.94 ng/ml

Raw Data: **PO112903.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112903.D	1	08/13/25 08:33	08/13/25 12:39	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.2	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.2	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.2	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.2	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.2	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.2	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.2	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.2	ug/kg
11096-82-5	Aroclor-1260	401	E	3.50	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		30 (32) - 150 (175)	103%	SPK: 20

Comments:

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

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

Sample Results: **PO112903.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 12:39
Operator : YP/AJ
Sample : Q2832-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TG-S04

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:59:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.663	3.656	173.7E6	103.1E6	21.367m	20.744m
2)	SA Decachlor...	8.686	8.630	125.7E6	36359833	17.190	20.576
	Target Compounds						
31)	L7 AR-1260-1	6.237	6.206	459.2E6	279.9E6	1045.183	1126.507
32)	L7 AR-1260-2	6.427	6.394	664.9E6	335.3E6	966.611	1017.498
33)	L7 AR-1260-3	6.793	6.545	585.0E6	244.6E6	994.804	952.227m
34)	L7 AR-1260-4	7.052	7.015	471.1E6	211.3E6	1044.603	1104.313
35)	L7 AR-1260-5	7.296	7.258	1591.2E6	584.2E6	1284.085	1417.290

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 12:39
Operator : YP/AJ
Sample : Q2832-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

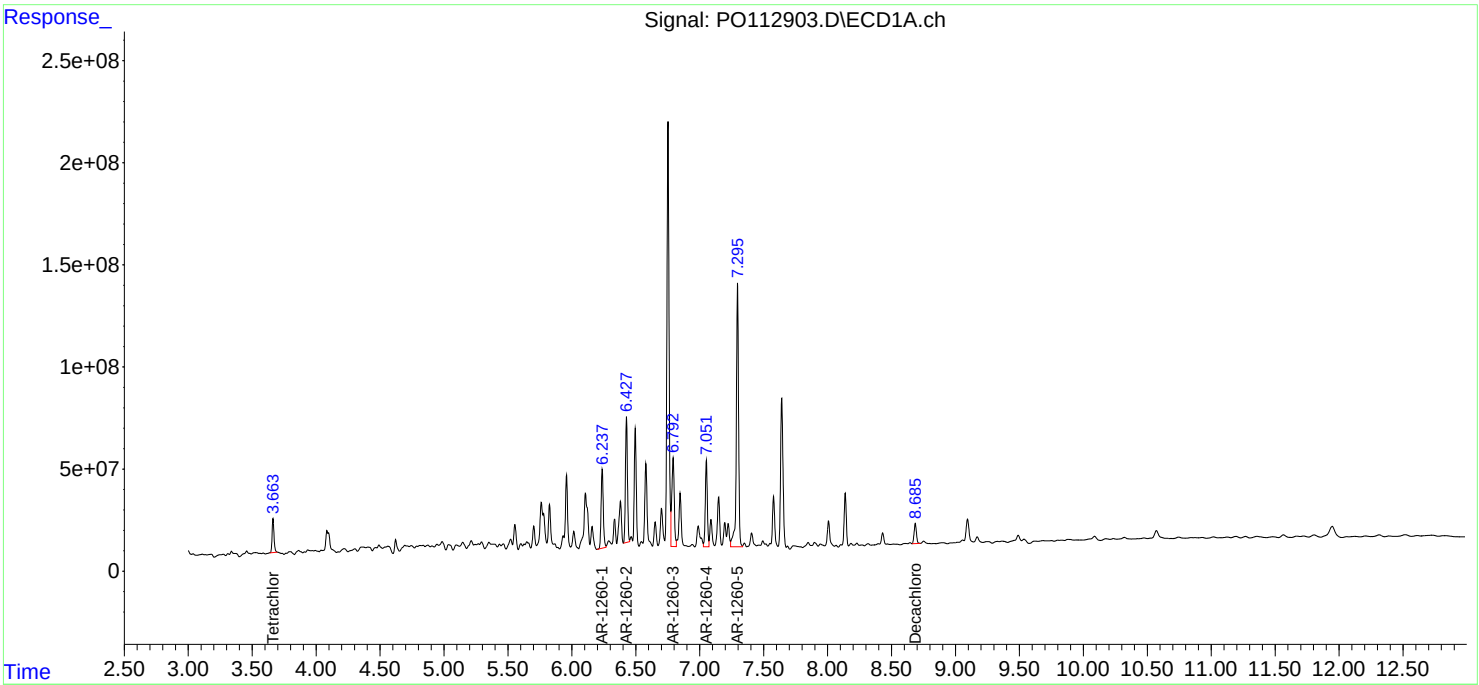
Instrument :
ECD_O
ClientSampleId :
TG-S04

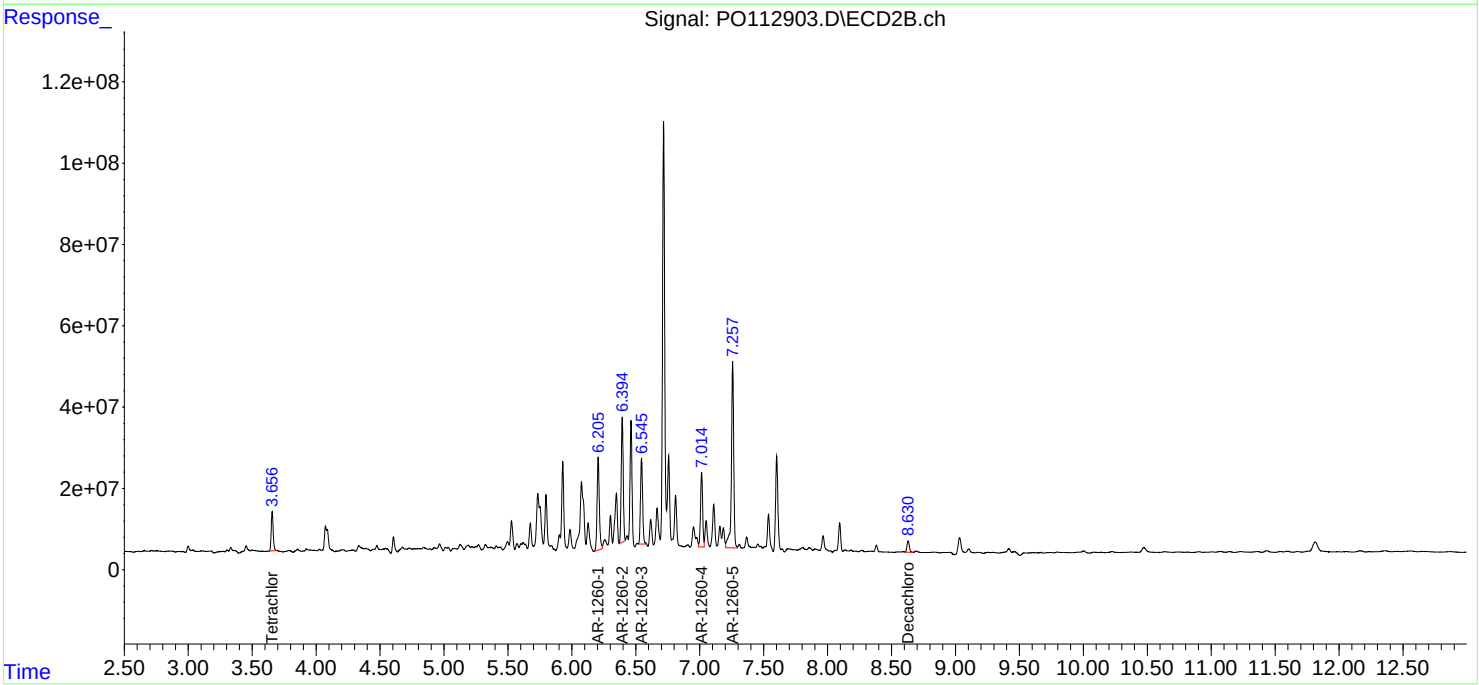
Manual Integrations APPROVED

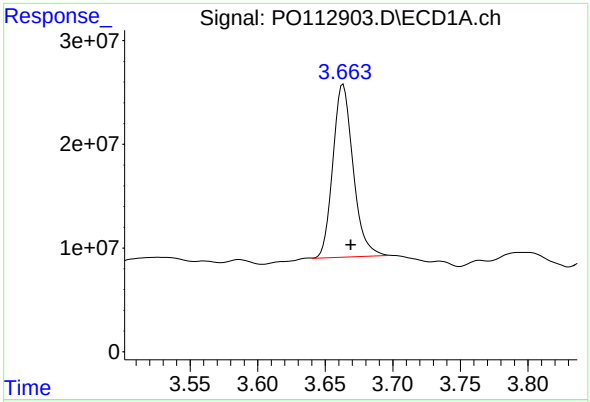
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:59:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







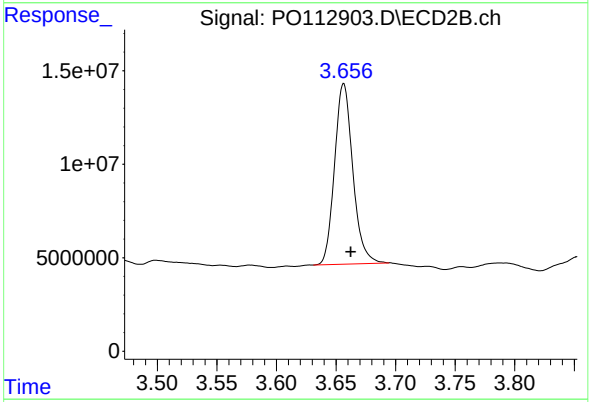
#1 Tetrachloro-m-xylene

R.T.: 3.663 min
Delta R.T.: -0.006 min
Response: 173747504
Conc: 21.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
TG-S04

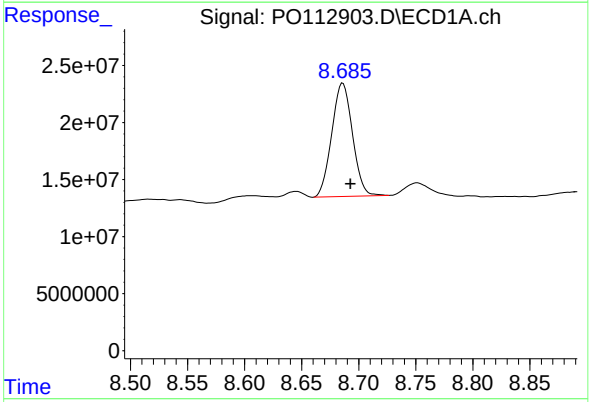
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



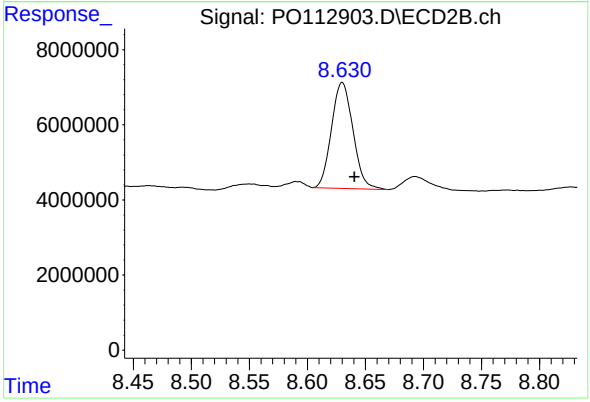
#1 Tetrachloro-m-xylene

R.T.: 3.656 min
Delta R.T.: -0.006 min
Response: 103082032
Conc: 20.74 ng/ml m



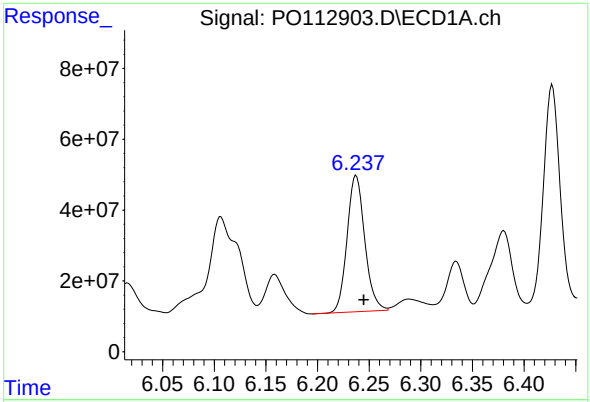
#2 Decachlorobiphenyl

R.T.: 8.686 min
Delta R.T.: -0.007 min
Response: 125687195
Conc: 17.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.630 min
Delta R.T.: -0.010 min
Response: 36359833
Conc: 20.58 ng/ml



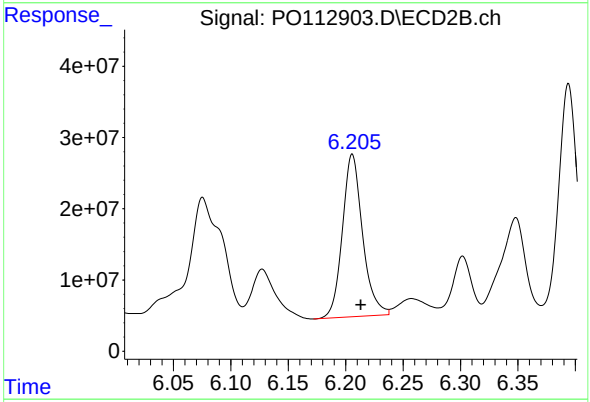
#31 AR-1260-1

R.T.: 6.237 min
Delta R.T.: -0.007 min
Response: 459181458
Conc: 1045.18 ng/m

Instrument :
ECD_O
ClientSampleId :
TG-S04

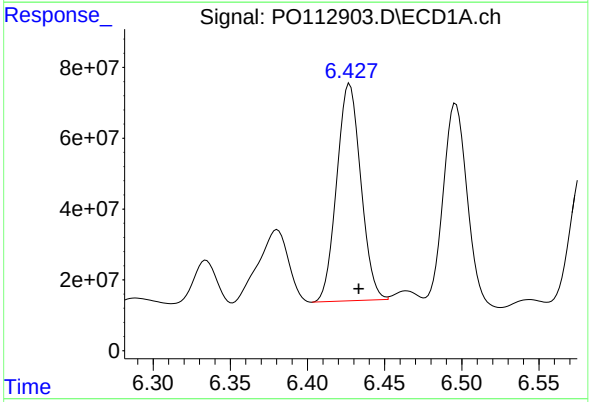
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



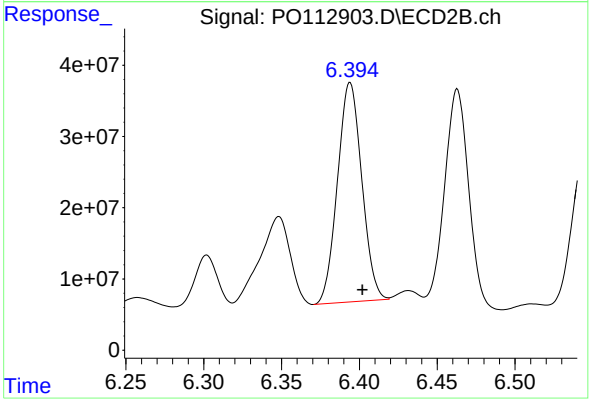
#31 AR-1260-1

R.T.: 6.206 min
Delta R.T.: -0.007 min
Response: 279949475
Conc: 1126.51 ng/ml



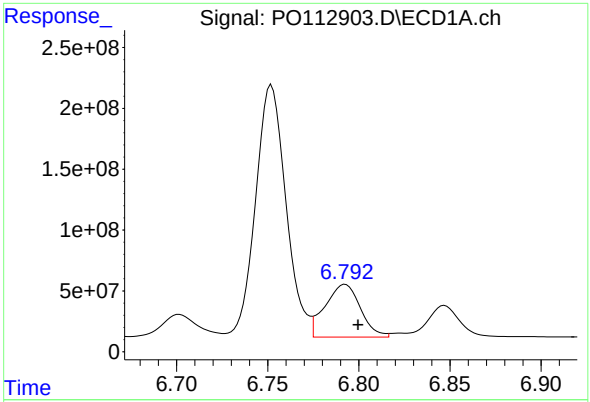
#32 AR-1260-2

R.T.: 6.427 min
Delta R.T.: -0.006 min
Response: 664925978
Conc: 966.61 ng/ml



#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: -0.008 min
Response: 335258886
Conc: 1017.50 ng/ml



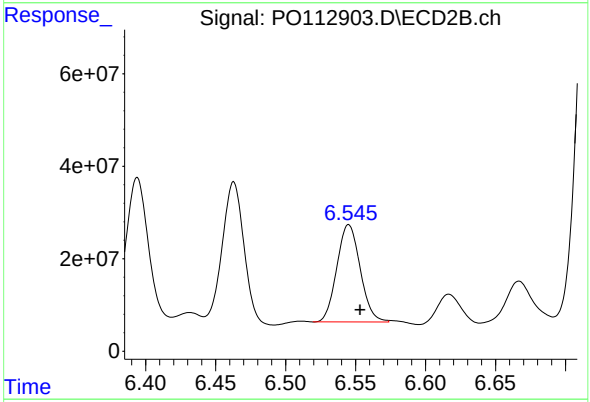
#33 AR-1260-3

R.T.: 6.793 min
Delta R.T.: -0.007 min
Response: 584964453
Conc: 994.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
TG-S04

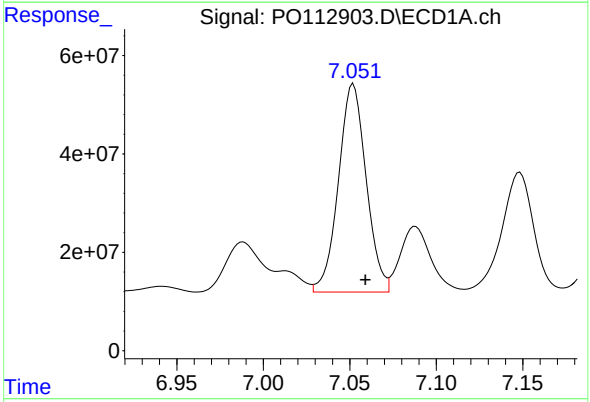
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



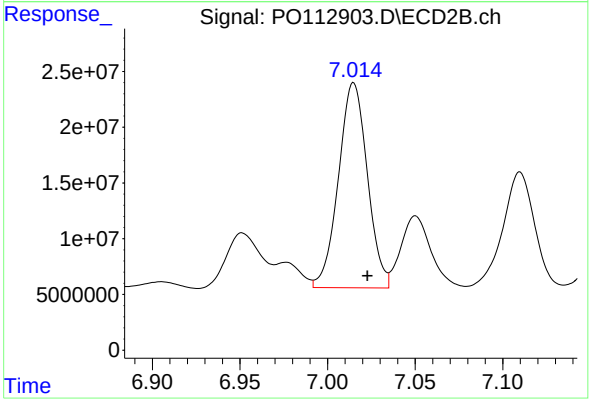
#33 AR-1260-3

R.T.: 6.545 min
Delta R.T.: -0.009 min
Response: 244647174
Conc: 952.23 ng/ml m



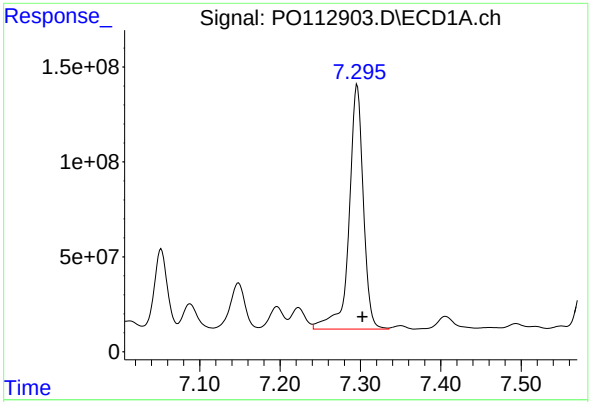
#34 AR-1260-4

R.T.: 7.052 min
Delta R.T.: -0.007 min
Response: 471120596
Conc: 1044.60 ng/ml



#34 AR-1260-4

R.T.: 7.015 min
Delta R.T.: -0.008 min
Response: 211266885
Conc: 1104.31 ng/ml



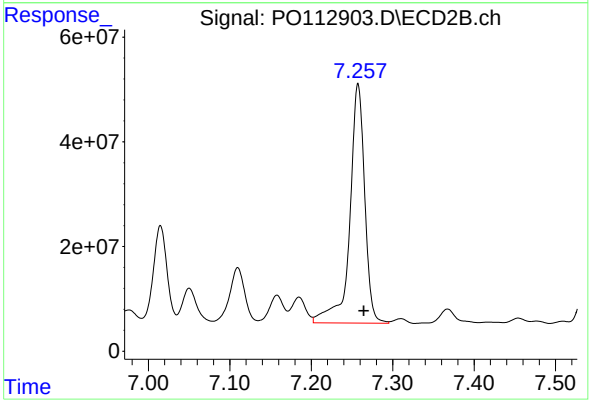
#35 AR-1260-5

R.T.: 7.296 min
Delta R.T.: -0.007 min
Response: 1591158922
Conc: 1284.08 ng/m

Instrument :
ECD_O
ClientSampleId :
TG-S04

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.007 min
Response: 584198032
Conc: 1417.29 ng/ml

Raw Data: **PO112937.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04DL	SDG No.:	Q2832
Lab Sample ID:	Q2832-07DL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112937.D	2	08/13/25 08:33	08/14/25 10:42	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	8.50	UD	8.50	36.4	ug/kg
11104-28-2	Aroclor-1221	8.60	UD	8.60	36.4	ug/kg
11141-16-5	Aroclor-1232	8.00	UD	8.00	36.4	ug/kg
53469-21-9	Aroclor-1242	8.60	UD	8.60	36.4	ug/kg
12672-29-6	Aroclor-1248	12.7	UD	12.7	36.4	ug/kg
11097-69-1	Aroclor-1254	6.90	UD	6.90	36.4	ug/kg
37324-23-5	Aroclor-1262	10.8	UD	10.8	36.4	ug/kg
11100-14-4	Aroclor-1268	7.70	UD	7.70	36.4	ug/kg
11096-82-5	Aroclor-1260	407	D	6.90	36.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		30 (32) - 150 (144)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		30 (32) - 150 (175)	97%	SPK: 20

Comments:

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

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

Sample Results: **PO112937.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 10:42
Operator : YP/AJ
Sample : Q2832-07DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TG-S04DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 10:54:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.666	3.658	75604854	44295306	9.298m	8.914m
2)	SA Decachlor...	8.686	8.632	59743072	17047487	8.171	9.647
	Target Compounds						
31)	L7 AR-1260-1	6.240	6.208	279.5E6	159.3E6	636.247	640.842
32)	L7 AR-1260-2	6.429	6.396	329.8E6	158.8E6	479.389	481.801
33)	L7 AR-1260-3	6.795	6.547	282.0E6	126.1E6	479.657	490.735
34)	L7 AR-1260-4	7.054	7.017	229.1E6	106.4E6	507.969	556.255
35)	L7 AR-1260-5	7.297	7.259	767.0E6	281.9E6	618.954	683.835

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 10:42
Operator : YP/AJ
Sample : Q2832-07DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

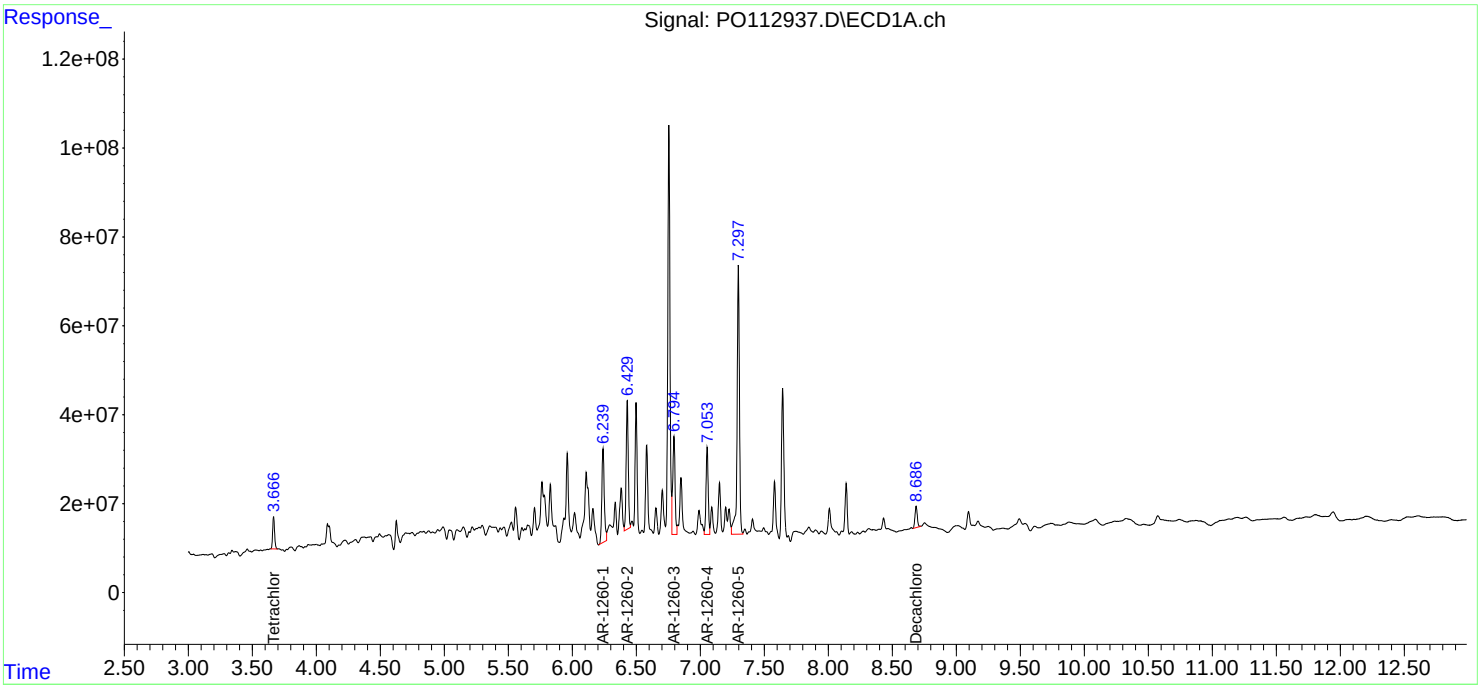
Instrument :
ECD_O
ClientSampleId :
TG-S04DL

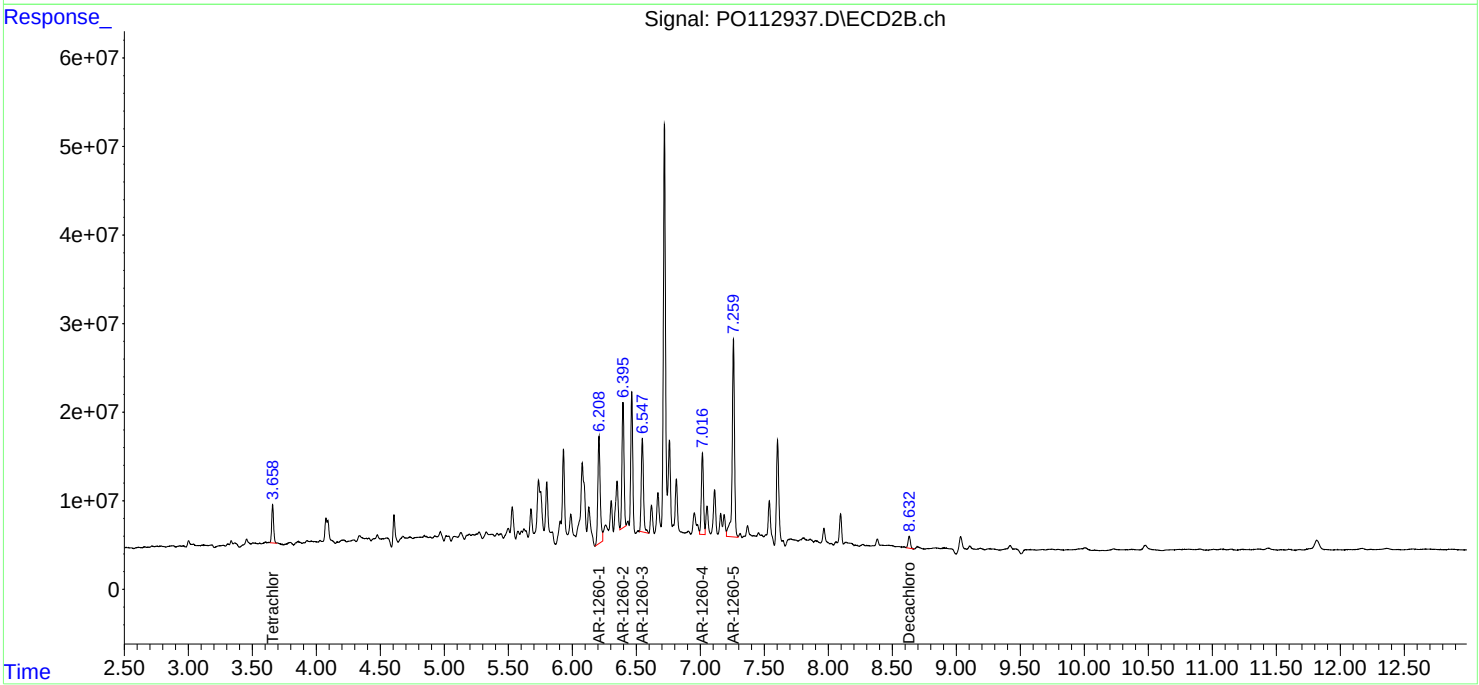
Manual Integrations APPROVED

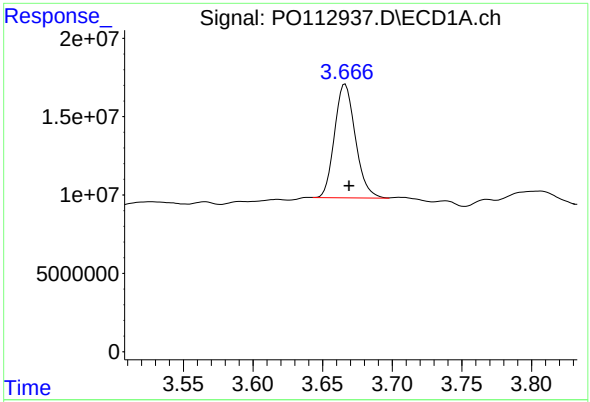
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 10:54:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







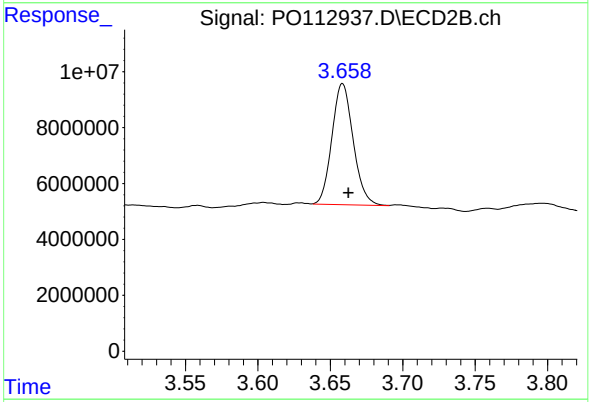
#1 Tetrachloro-m-xylene

R.T.: 3.666 min
Delta R.T.: -0.003 min
Response: 75604854
Conc: 9.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
TG-S04DL

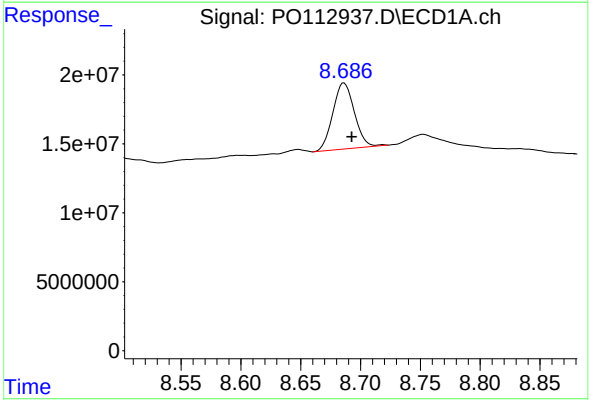
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



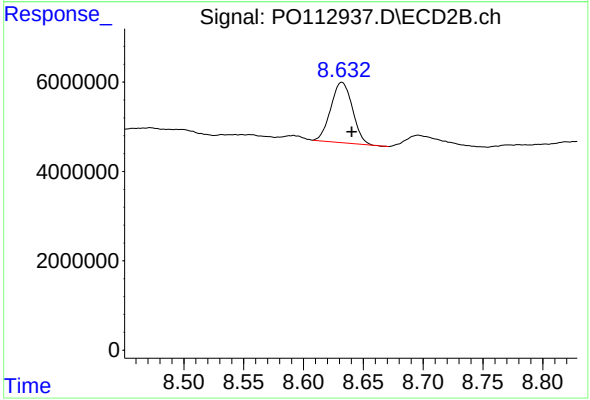
#1 Tetrachloro-m-xylene

R.T.: 3.658 min
Delta R.T.: -0.004 min
Response: 44295306
Conc: 8.91 ng/ml m



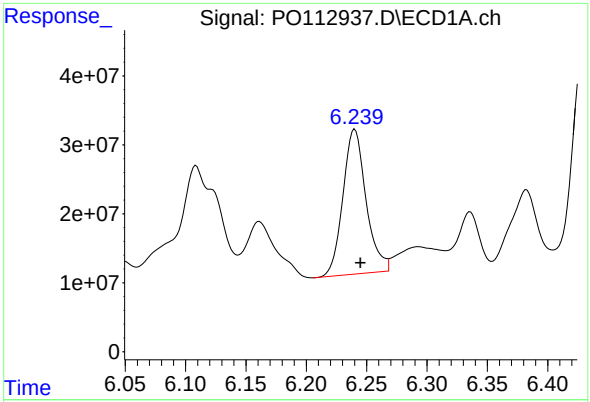
#2 Decachlorobiphenyl

R.T.: 8.686 min
Delta R.T.: -0.006 min
Response: 59743072
Conc: 8.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.632 min
Delta R.T.: -0.008 min
Response: 17047487
Conc: 9.65 ng/ml



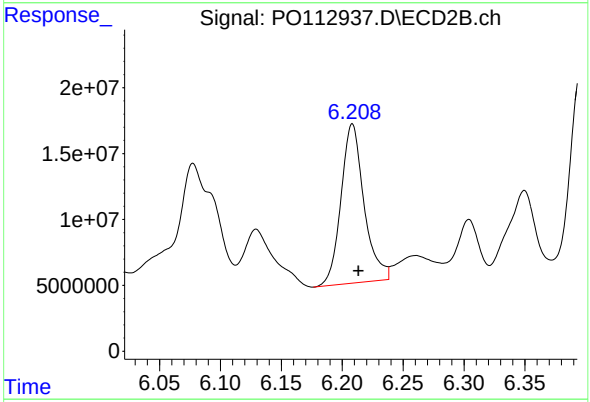
#31 AR-1260-1

R.T.: 6.240 min
Delta R.T.: -0.005 min
Response: 279523201
Conc: 636.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
TG-S04DL

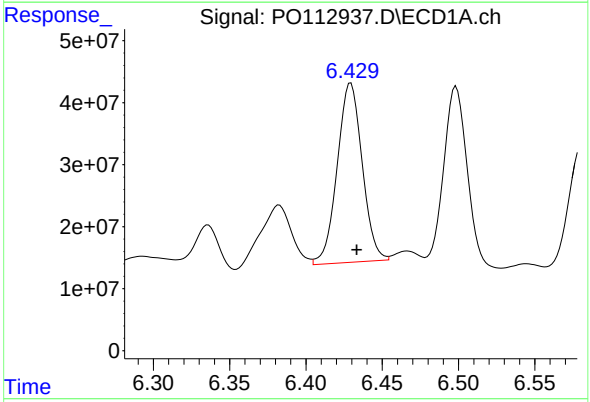
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



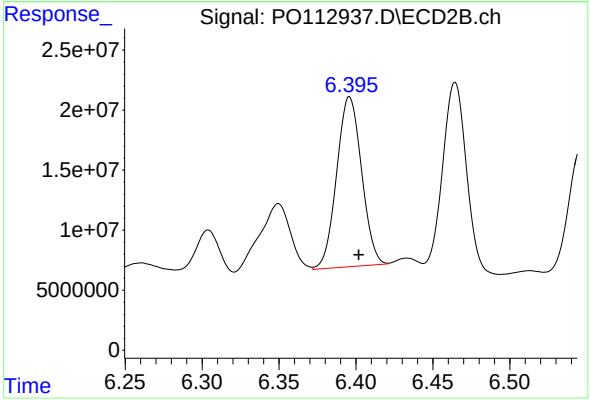
#31 AR-1260-1

R.T.: 6.208 min
Delta R.T.: -0.005 min
Response: 159256488
Conc: 640.84 ng/ml



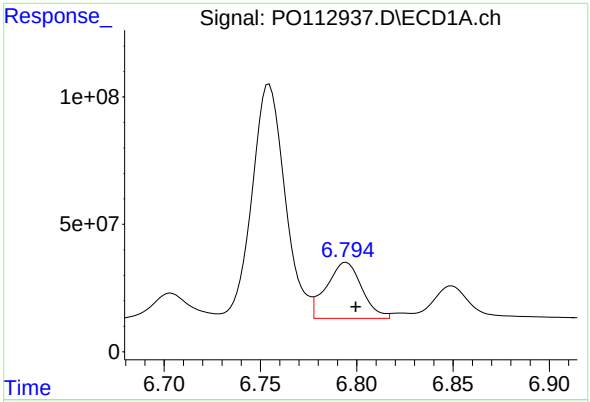
#32 AR-1260-2

R.T.: 6.429 min
Delta R.T.: -0.004 min
Response: 329769058
Conc: 479.39 ng/ml



#32 AR-1260-2

R.T.: 6.396 min
Delta R.T.: -0.006 min
Response: 158750273
Conc: 481.80 ng/ml



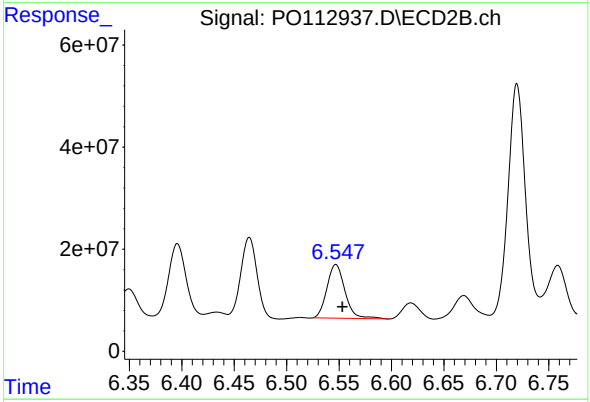
#33 AR-1260-3

R.T.: 6.795 min
Delta R.T.: -0.005 min
Response: 282047733
Conc: 479.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
TG-S04DL

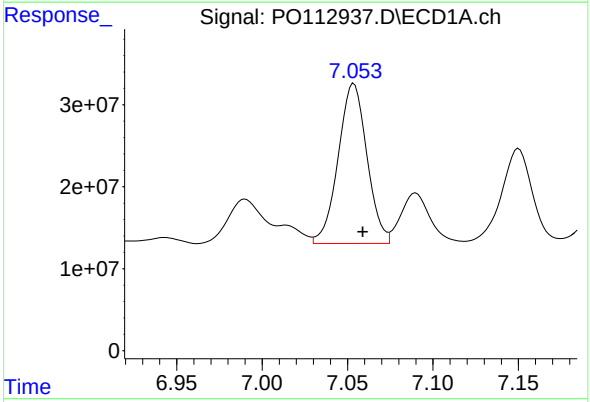
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



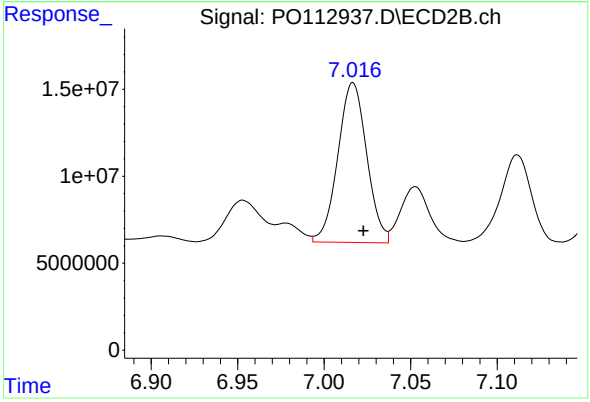
#33 AR-1260-3

R.T.: 6.547 min
Delta R.T.: -0.006 min
Response: 126080219
Conc: 490.74 ng/ml



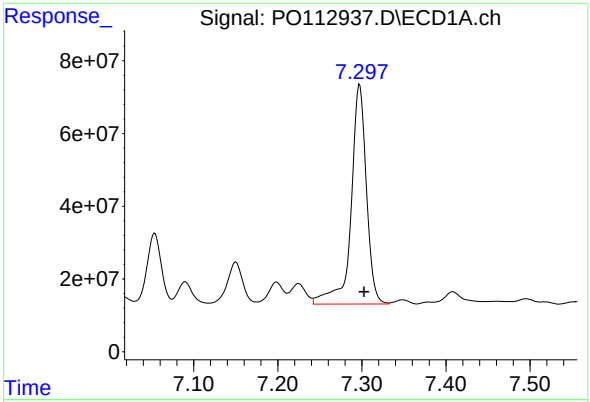
#34 AR-1260-4

R.T.: 7.054 min
Delta R.T.: -0.005 min
Response: 229096216
Conc: 507.97 ng/ml



#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: -0.006 min
Response: 106417568
Conc: 556.26 ng/ml



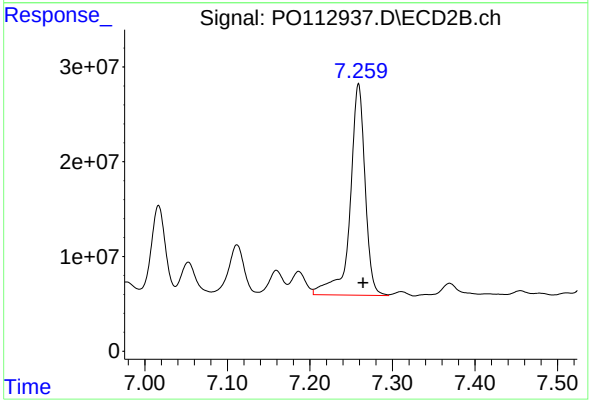
#35 AR-1260-5

R.T.: 7.297 min
Delta R.T.: -0.005 min
Response: 766969399
Conc: 618.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
TG-S04DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: -0.006 min
Response: 281872471
Conc: 683.84 ng/ml

Raw Data: **PO112904.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112904.D	10	08/13/25 08:33	08/13/25 12:58	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	43.4	U	43.4	187	ug/kg
11104-28-2	Aroclor-1221	44.2	U	44.2	187	ug/kg
11141-16-5	Aroclor-1232	40.8	U	40.8	187	ug/kg
53469-21-9	Aroclor-1242	44.0	U	44.0	187	ug/kg
12672-29-6	Aroclor-1248	65.0	U	65.0	187	ug/kg
11097-69-1	Aroclor-1254	35.2	U	35.2	187	ug/kg
37324-23-5	Aroclor-1262	55.1	U	55.1	187	ug/kg
11100-14-4	Aroclor-1268	39.5	U	39.5	187	ug/kg
11096-82-5	Aroclor-1260	35.5	U	35.5	187	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.7		30 (32) - 150 (144)	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		30 (32) - 150 (175)	112%	SPK: 20

Comments:

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

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

Sample Results: **PO112904.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 12:58
Operator : YP/AJ
Sample : Q2832-09 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TG-S05

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:59:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.666	3.657	13545578	8107853	1.666	1.632
2)	SA Decachlor...	8.688	8.633	11590851	3954937	1.585	2.238m#
	Target Compounds						

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

Sample Results: **PO112904.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 12:58
Operator : YP/AJ
Sample : Q2832-09 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

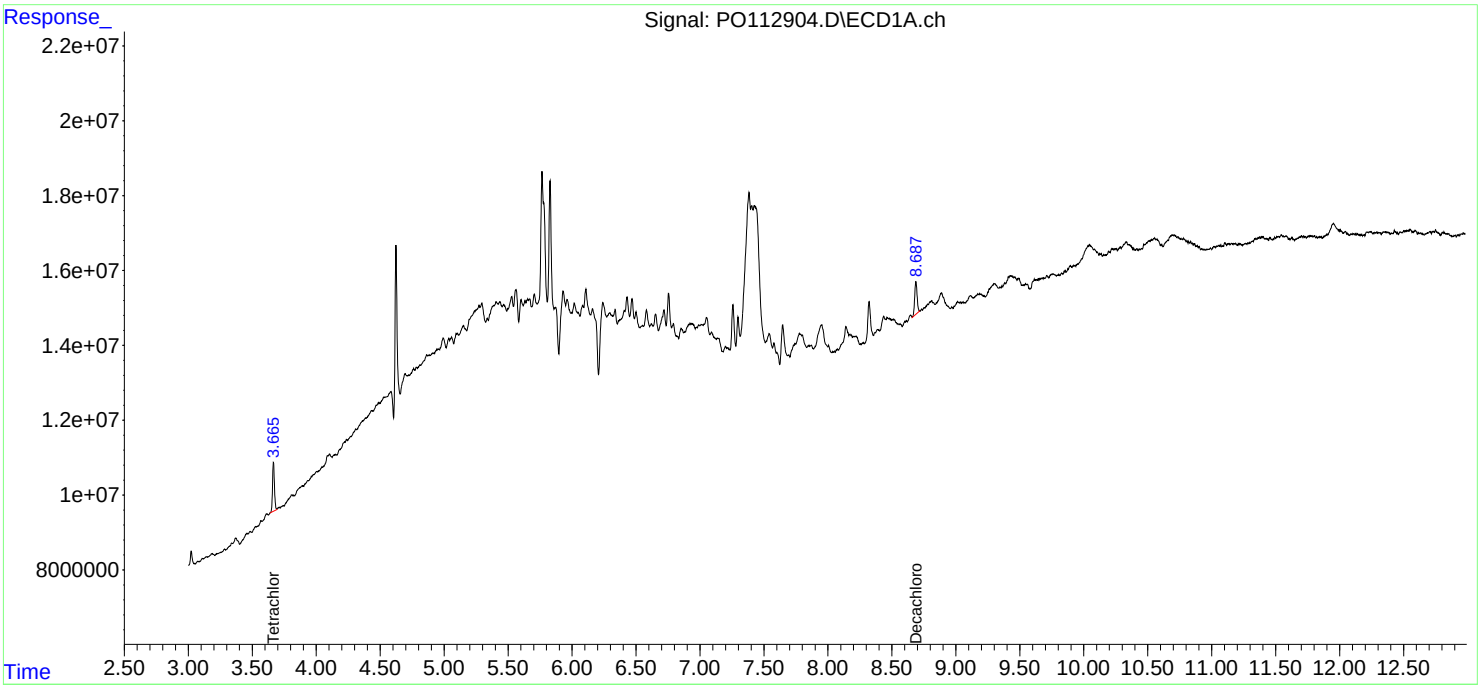
Instrument :
ECD_O
ClientSampleId :
TG-S05

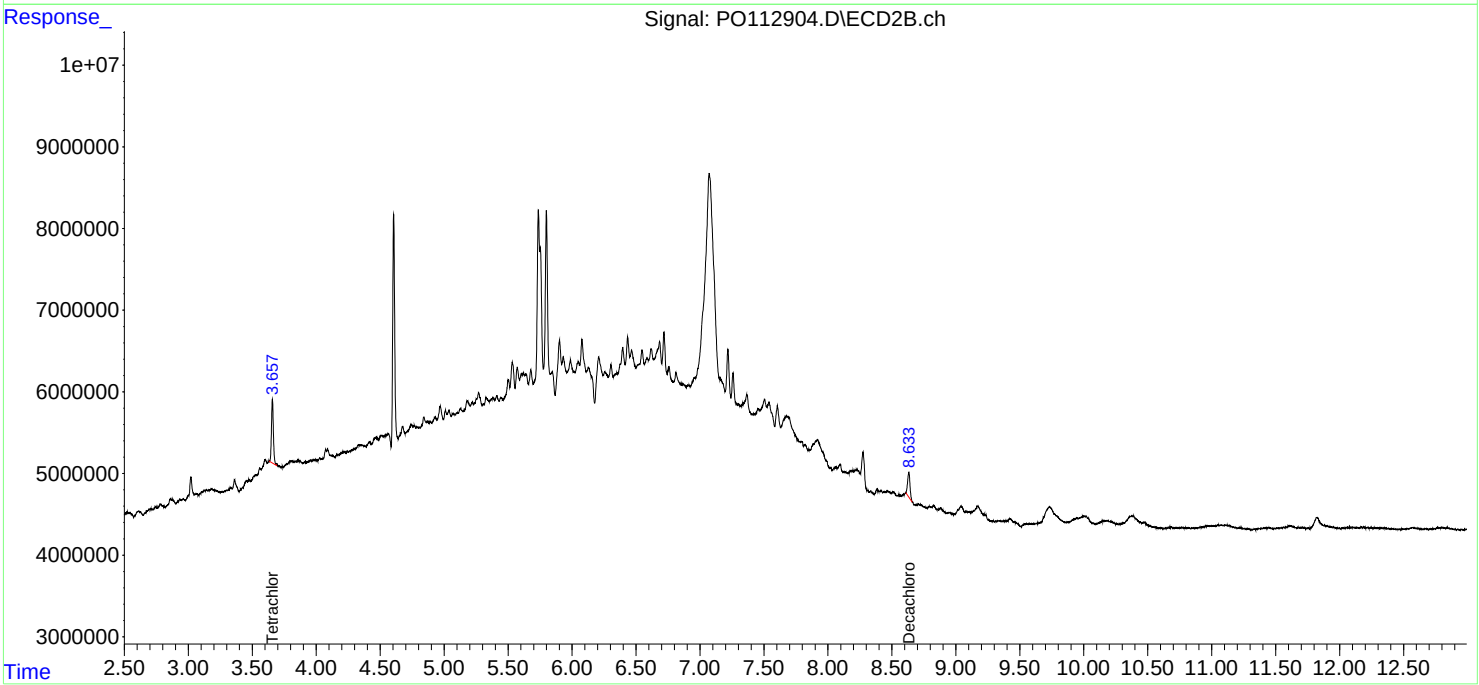
Manual Integrations APPROVED

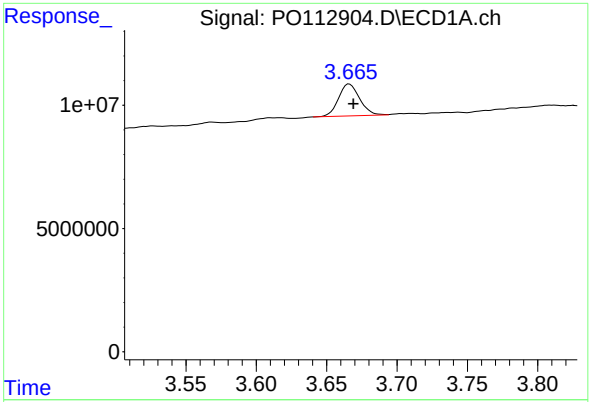
Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:59:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







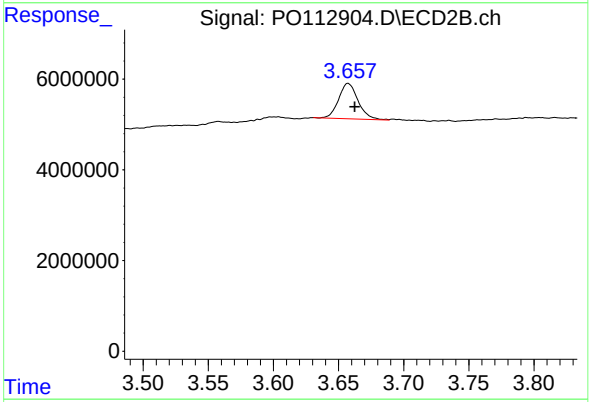
#1 Tetrachloro-m-xylene

R.T.: 3.666 min
Delta R.T.: -0.003 min
Response: 13545578
Conc: 1.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
TG-S05

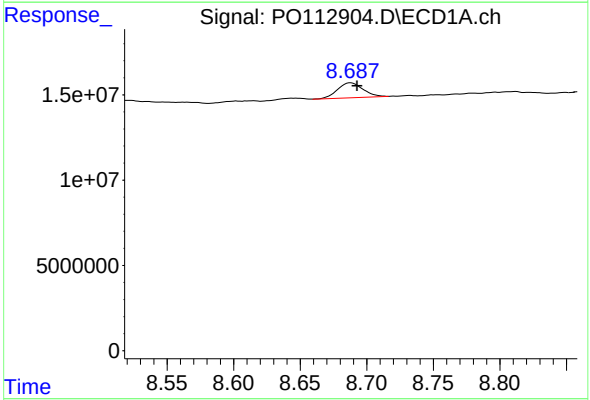
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



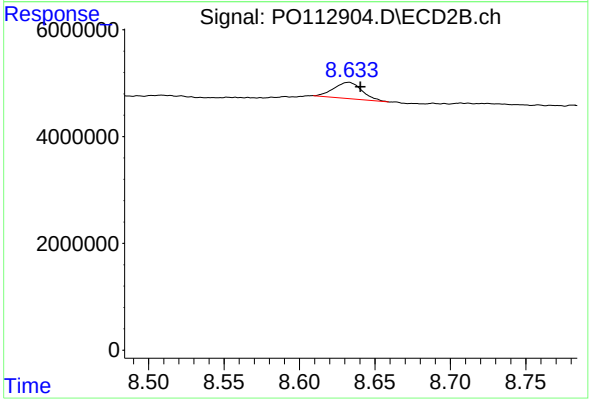
#1 Tetrachloro-m-xylene

R.T.: 3.657 min
Delta R.T.: -0.005 min
Response: 8107853
Conc: 1.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.688 min
Delta R.T.: -0.005 min
Response: 11590851
Conc: 1.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.008 min
Response: 3954937
Conc: 2.24 ng/ml m

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

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

Calibration Times: 11:32 19:47

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

LAB FILE ID: RT 1000 = PO112414.D RT 750 = PO112415.D

RT 500 = PO112416.D RT 250 = PO112417.D RT 050 = PO112418.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.76	4.75	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-3	(3)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1016-4	(4)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.25	6.24	6.25	6.24	6.25	6.24	6.14	6.34
Aroclor-1260-2	(2)	6.44	6.43	6.43	6.43	6.43	6.43	6.33	6.53
Aroclor-1260-3	(3)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1260-4	(4)	7.06	7.06	7.06	7.06	7.06	7.06	6.96	7.16
Aroclor-1260-5	(5)	7.30	7.30	7.30	7.30	7.30	7.30	7.20	7.40
Decachlorobiphenyl		8.70	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.77	4.77	4.77	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1242-4	(4)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-5	(5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.69	8.69	8.69	8.69	8.70	8.69	8.59	8.79
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.76	4.76	4.75	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	4.99	4.99	4.99	4.99	5.00	4.99	4.89	5.09
Aroclor-1248-3	(3)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1248-4	(4)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Aroclor-1248-5	(5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.69	8.69	8.69	8.70	8.69	8.69	8.59	8.79
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Aroclor-1254-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1254-4	(4)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-5	(5)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Decachlorobiphenyl		8.69	8.69	8.70	8.69	8.69	8.69	8.59	8.79
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.59	7.59	7.59	7.58	7.59	7.59	7.49	7.69
Aroclor-1268-2	(2)	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
Aroclor-1268-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.14	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.44	8.44	8.44	8.44	8.44	8.44	8.34	8.54

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.70	8.70	8.70	8.69	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

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

Calibration Times: 11:32 19:47

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

LAB FILE ID: RT 1000 = PO112414.D RT 750 = PO112415.D

RT 500 = PO112416.D RT 250 = PO112417.D RT 050 = PO112418.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1016-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-3	(3)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1016-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-5	(5)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.27	7.26	7.26	7.26	7.27	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1242-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-3	(3)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1242-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.54	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1248-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-2	(2)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1248-3	(3)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-4	(4)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1248-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1254-1	(1)	5.54	5.54	5.54	5.53	5.53	5.54	5.44	5.64
Aroclor-1254-2	(2)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.31	6.31	6.31	6.31	6.31	6.31	6.21	6.41
Aroclor-1254-5	(5)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1268-1	(1)	7.55	7.55	7.55	7.55	7.55	7.55	7.45	7.65
Aroclor-1268-2	(2)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

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

Calibration Times: 11:32 19:47

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

LAB FILE ID: **CF 1000 =** PO112414.D **CF 750 =** PO112415.D

CF 500 = PO112416.D **CF 250 =** PO112417.D **CF 050 =** PO112418.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	281481703	285148303	290849518	279501268	204848240	268365806	13
Aroclor-1016-2	(2)	418001550	431852928	433849136	420704900	326178800	406117463	11
Aroclor-1016-3	(3)	263638281	273794351	273610504	262887848	234438940	261673985	6
Aroclor-1016-4	(4)	216165184	219268720	223332708	213740540	186700200	211841470	6
Aroclor-1016-5	(5)	221113370	228268088	233867428	235369996	178734160	219470608	10
Aroclor-1260-1	(1)	431773857	450001749	476240286	447612572	391026880	439331069	7
Aroclor-1260-2	(2)	673380136	698254531	722944530	686506064	658383800	687893812	3
Aroclor-1260-3	(3)	611274773	627246767	610311884	614713140	476551180	588019549	10
Aroclor-1260-4	(4)	447285263	461047633	473248904	505121600	368319820	451004644	11
Aroclor-1260-5	(5)	1262689005	1283961461	1337121492	1347466800	964454900	1239138732	12
Decachlorobiphenyl		7456684020	7676252293	7829495380	7672255680	5924316000	7311800675	11
Tetrachloro-m-xylene		8554863660	8750848067	8754072420	8314620000	6283438800	8131568589	13
Aroclor-1242-1	(1)	256299409	259568919	260660454	265097176	196334180	247592028	11
Aroclor-1242-2	(2)	381137122	387088803	391556862	393536916	295648160	369793573	11
Aroclor-1242-3	(3)	241769617	246476011	248315054	252195680	194532760	236657824	10
Aroclor-1242-4	(4)	195717021	198363989	201564902	203398396	172348620	194278586	6
Aroclor-1242-5	(5)	215656431	220174447	229182990	229543836	175020200	213915581	10
Decachlorobiphenyl		8000645330	8037989413	8087967020	8086832920	6389983800	7720683697	10
Tetrachloro-m-xylene		9125652230	9195232120	9219491440	9207437080	6341808000	8617924174	15
Aroclor-1248-1	(1)	189314500	193406379	198364040	203445536	151513120	187208715	10
Aroclor-1248-2	(2)	257058197	266019899	270572928	278752472	203158020	255112303	11
Aroclor-1248-3	(3)	329824745	342687100	350417966	364320620	331255900	343701266	4
Aroclor-1248-4	(4)	503150480	523568551	540549606	563745892	409374460	508077798	11
Aroclor-1248-5	(5)	346508966	363261911	374337920	392493440	271353380	349591123	13
Decachlorobiphenyl		7900018490	8086308400	8195171040	8262080520	6143274400	7717370570	12
Tetrachloro-m-xylene		8946590960	9189061507	9273186240	9357342160	6567561400	8666748453	14
Aroclor-1254-1	(1)	525205609	551869540	568048078	599161796	500508140	548958633	7
Aroclor-1254-2	(2)	467389736	490253857	501431616	531267632	439250900	485918748	7
Aroclor-1254-3	(3)	736681841	765368536	778116616	788008044	653257120	744286431	7
Aroclor-1254-4	(4)	537295054	560529123	571244926	572391952	507057560	549703723	5
Aroclor-1254-5	(5)	713157717	729355651	738947588	743850736	613809420	707824222	7
Decachlorobiphenyl		7810644110	7988158653	8118440840	8069654680	6321650600	7661709777	10
Tetrachloro-m-xylene		8477893750	8928798520	9019842540	9077508800	7004909800	8501790682	10
Aroclor-1268-1	(1)	1805209287	1836925397	1850534848	1852730580	1410311920	1751142406	10

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1523811042	1548194379	1559255960	1566806172	1167050180	1473023547	11
Aroclor-1268-3	(3)	1298638460	1316156257	1333295814	1329215988	983852920	1252231888	11
Aroclor-1268-4	(4)	502325303	515160189	514467028	515975792	361392800	481864222	13
Aroclor-1268-5	(5)	3537850645	3568750916	3561527908	3536594816	2581136540	3357172165	12
Decachlorobiphenyl		14538757830	14683927053	14777305700	14801547680	10962984400	13952904533	12
Tetrachloro-m-xylene		8916461140	9229914440	9271431040	9355148600	6516020600	8657795164	14

Raw Data

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

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

Calibration Times: 11:32 19:47

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

LAB FILE ID: **CF 1000 =** PO112414.D **CF 750 =** PO112415.D

CF 500 = PO112416.D **CF 250 =** PO112417.D **CF 050 =** PO112418.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	171399488	177928739	180256326	179838608	165612060	175007044	3
Aroclor-1016-2	(2)	254283756	266059885	273532534	272267680	236331280	260495027	6
Aroclor-1016-3	(3)	134555314	139369485	142347070	141007248	122553240	135966471	6
Aroclor-1016-4	(4)	106915956	111683577	115661150	118698688	102464540	111084782	6
Aroclor-1016-5	(5)	139169322	144750759	147937312	152336452	132321220	143303013	5
Aroclor-1260-1	(1)	240286237	254043527	261134446	258041412	229050000	248511124	5
Aroclor-1260-2	(2)	317223235	329626419	335041102	340620804	324956000	329493512	3
Aroclor-1260-3	(3)	256241072	262701627	269297872	275910760	220454080	256921082	8
Aroclor-1260-4	(4)	185740526	193469844	197255514	200936168	179151380	191310686	4
Aroclor-1260-5	(5)	419199446	421594747	433075366	434815624	352283180	412193673	8
Decachlorobiphenyl		1753295660	1820833173	1877801640	1892185680	1491444000	1767112031	9
Tetrachloro-m-xylene		5169666700	5314856493	5330554580	5111206560	3919594600	4969175787	12
Aroclor-1242-1	(1)	153645977	158282413	162201976	169125204	148714620	158394038	5
Aroclor-1242-2	(2)	230553136	236233123	241816698	253231308	206497880	233666429	7
Aroclor-1242-3	(3)	120997871	124593004	126633224	130347852	103373540	121189098	8
Aroclor-1242-4	(4)	116921071	120755713	124229780	129097232	122693120	122739383	3
Aroclor-1242-5	(5)	154482444	160907067	167116390	163960092	158390400	160971279	3
Decachlorobiphenyl		1831604040	1871840933	1924104720	1967119920	1579850400	1834904003	8
Tetrachloro-m-xylene		5483238770	5543459253	5573552360	5630865680	4061456200	5258514453	13
Aroclor-1248-1	(1)	116797575	121746903	126835386	132022196	110144520	121509316	7
Aroclor-1248-2	(2)	161755092	168905528	175846314	185366264	154525280	169279696	7
Aroclor-1248-3	(3)	170672394	178220732	184519824	194073912	160748960	177647164	7
Aroclor-1248-4	(4)	202462025	210645355	219142380	229572292	179950700	208354550	9
Aroclor-1248-5	(5)	207118457	216119221	227433754	242834452	180319280	214765033	10
Decachlorobiphenyl		1836524820	1878481893	1941164520	1982063240	1517022000	1831051295	10
Tetrachloro-m-xylene		5362990180	5502770333	5558036420	5629888520	4177350800	5246207251	12
Aroclor-1254-1	(1)	308086628	324598995	339171148	360746064	310502200	328621007	6
Aroclor-1254-2	(2)	269579969	283423153	295499466	318260532	280690420	289490708	6
Aroclor-1254-3	(3)	411643535	427646563	444183030	462345912	391487940	427461396	6
Aroclor-1254-4	(4)	256982627	269810957	279068642	286892132	272060980	272963068	4
Aroclor-1254-5	(5)	324913084	333876627	346327314	357344936	307636300	334019652	5
Decachlorobiphenyl		1794065640	1872151533	1910898600	1948005080	1573949600	1819814091	8
Tetrachloro-m-xylene		5135321880	5340323933	5419556800	5524764520	4404208000	5164835027	9
Aroclor-1268-1	(1)	514567345	516695037	532735372	551455976	473857920	517862330	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	421574479	425971267	436618852	454509592	386645480	425063934	6
Aroclor-1268-3	(3)	318758782	324505707	331241876	345977680	285851460	321267101	7
Aroclor-1268-4	(4)	111516853	115705837	114796592	121616720	92841800	111295560	9
Aroclor-1268-5	(5)	742715083	756736297	758808540	780432416	619995020	731737471	8
Decachlorobiphenyl		3224484190	3300929360	3351395200	3481054400	2726789400	3216930510	9
Tetrachloro-m-xylene		5326223920	5511724707	5541913900	5672741280	4190979000	5248716561	12

Raw Data

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.88	3.78	3.98	96659600
		2	3.97	3.87	4.07	71862000
		3	4.04	3.94	4.14	237712000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	186979000
		2	4.54	4.44	4.64	107625000
		3	4.78	4.68	4.88	206800000
		4	4.95	4.85	5.05	104740000
		5	4.99	4.89	5.09	67880800
Aroclor-1262	500	1	6.80	6.70	6.90	929208000
		2	7.30	7.20	7.40	1487020000
		3	7.59	7.49	7.69	590252000
		4	7.65	7.55	7.75	994166000
		5	8.15	8.05	8.25	434062000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.87	3.77	3.97	67265800
		2	3.96	3.86	4.06	50728000
		3	4.03	3.93	4.13	158529000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	126550000
		2	4.76	4.66	4.86	131155000
		3	4.93	4.83	5.03	67196800
		4	5.02	4.92	5.12	59829000
		5	5.19	5.09	5.29	65203000
Aroclor-1262	500	1	6.77	6.67	6.87	414828000
		2	7.27	7.17	7.37	515546000
		3	7.55	7.45	7.65	186525000
		4	7.61	7.51	7.71	288104000
		5	8.10	8.00	8.20	99503400

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:32
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 12:31:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 12:24:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	855.5E6	517.0E6	98.849	98.468
2)	SA Decachlor...	8.695	8.641	745.7E6	175.3E6	97.561	96.571
	Target Compounds						
3)	L1 AR-1016-1	4.756	4.738	281.5E6	171.4E6	983.632	974.814
4)	L1 AR-1016-2	4.775	4.756	418.0E6	254.3E6	981.396	963.531
5)	L1 AR-1016-3	4.832	4.931	263.6E6	134.6E6	981.438	971.861
6)	L1 AR-1016-4	4.951	4.974	216.2E6	106.9E6	983.692	960.709
7)	L1 AR-1016-5	5.208	5.186	221.1E6	139.2E6	971.968	969.461
31)	L7 AR-1260-1	6.245	6.214	431.8E6	240.3E6	951.029	958.422
32)	L7 AR-1260-2	6.435	6.402	673.4E6	317.2E6	964.504	972.683
33)	L7 AR-1260-3	6.801	6.554	611.3E6	256.2E6	1000.788	975.155
34)	L7 AR-1260-4	7.061	7.023	447.3E6	185.7E6	971.795	969.934
35)	L7 AR-1260-5	7.304	7.265	1262.7E6	419.2E6	971.370	983.719

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

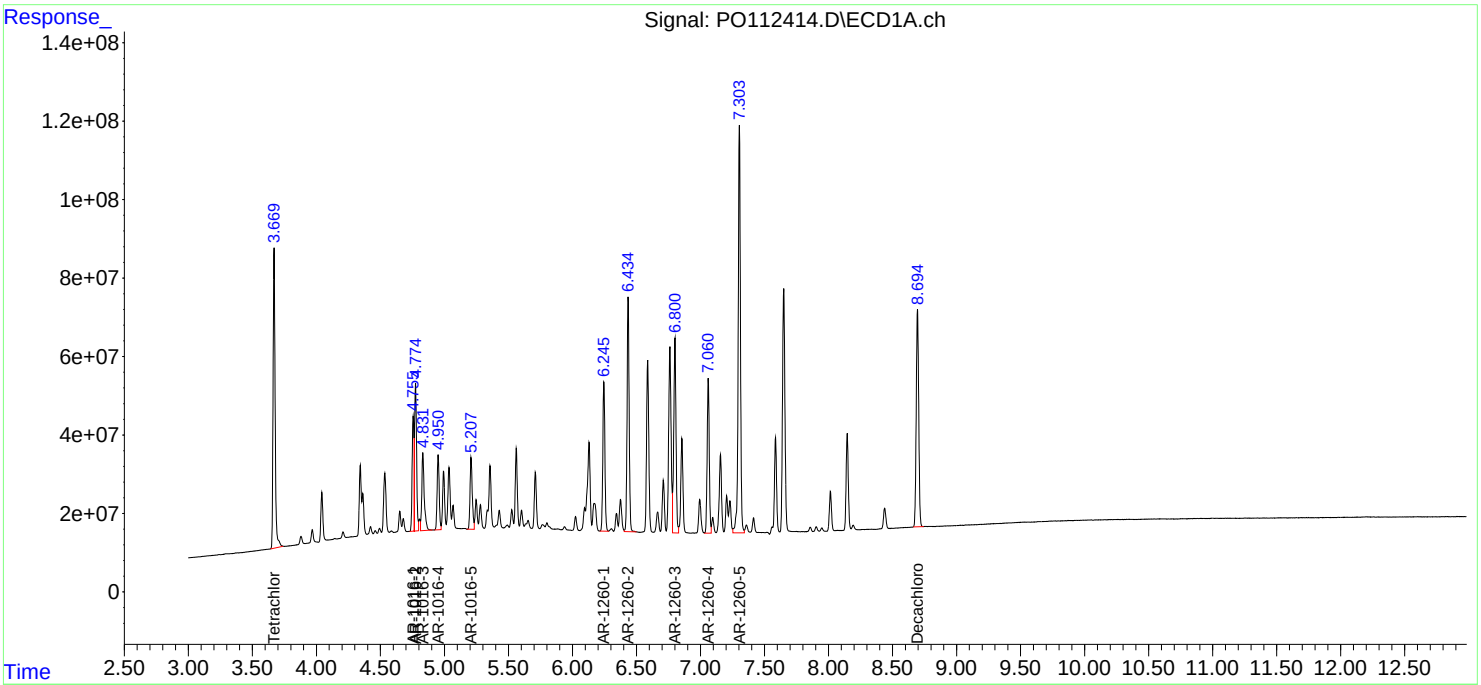
ICAL Form

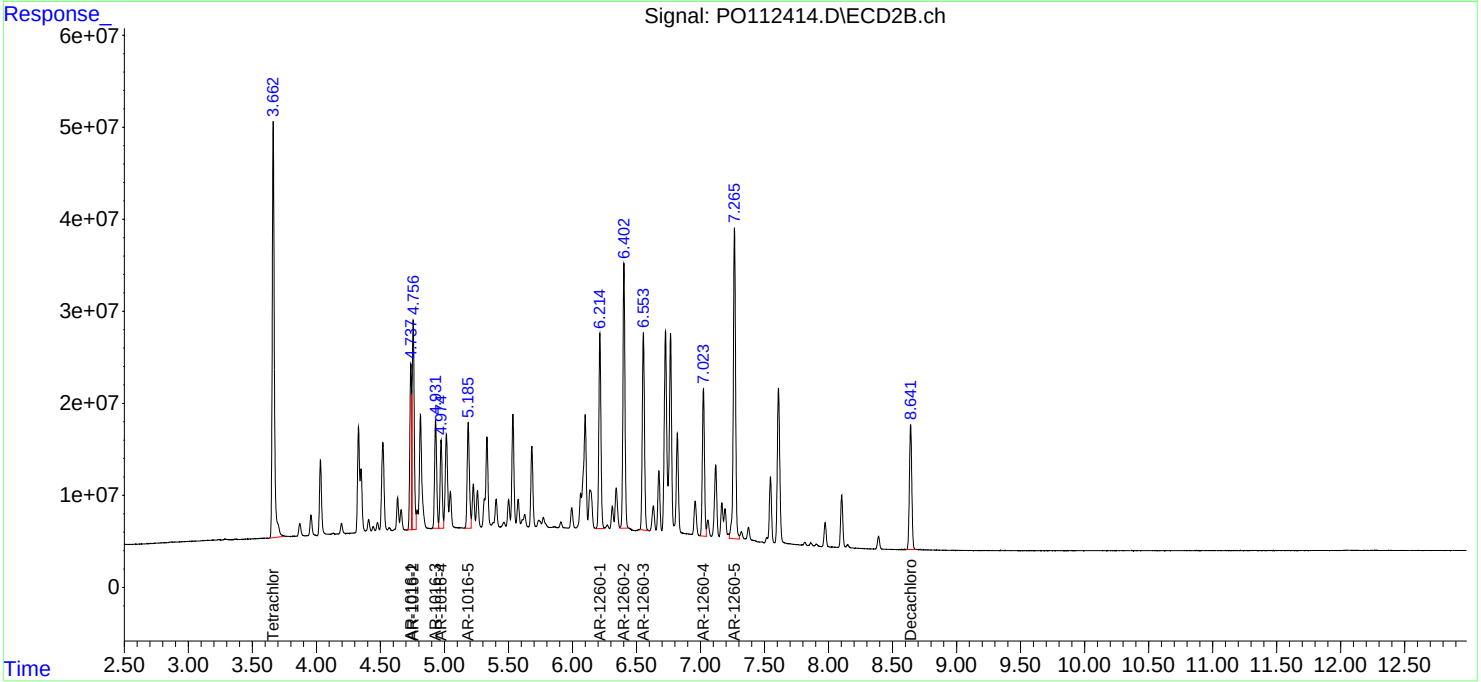
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:32
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 12:31:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 12:24:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:50
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 12:34:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 12:24:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.668	3.662	656.3E6	398.6E6	75.555	75.614
2)	SA Decachlor...	8.692	8.640	575.7E6	136.6E6	75.217	75.145
	Target Compounds						
3)	L1 AR-1016-1	4.754	4.738	213.9E6	133.4E6	748.220	755.950
4)	L1 AR-1016-2	4.772	4.756	323.9E6	199.5E6	756.926	754.066
5)	L1 AR-1016-3	4.829	4.931	205.3E6	104.5E6	759.562	753.309
6)	L1 AR-1016-4	4.949	4.973	164.5E6	83762683	748.907	751.773
7)	L1 AR-1016-5	5.206	5.185	171.2E6	108.6E6	751.707	754.159
31)	L7 AR-1260-1	6.243	6.213	337.5E6	190.5E6	745.576	756.618
32)	L7 AR-1260-2	6.433	6.401	523.7E6	247.2E6	750.066	755.338
33)	L7 AR-1260-3	6.798	6.553	470.4E6	197.0E6	763.349	749.871
34)	L7 AR-1260-4	7.058	7.022	345.8E6	145.1E6	750.847	755.131
35)	L7 AR-1260-5	7.301	7.264	963.0E6	316.2E6	743.842	744.651

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

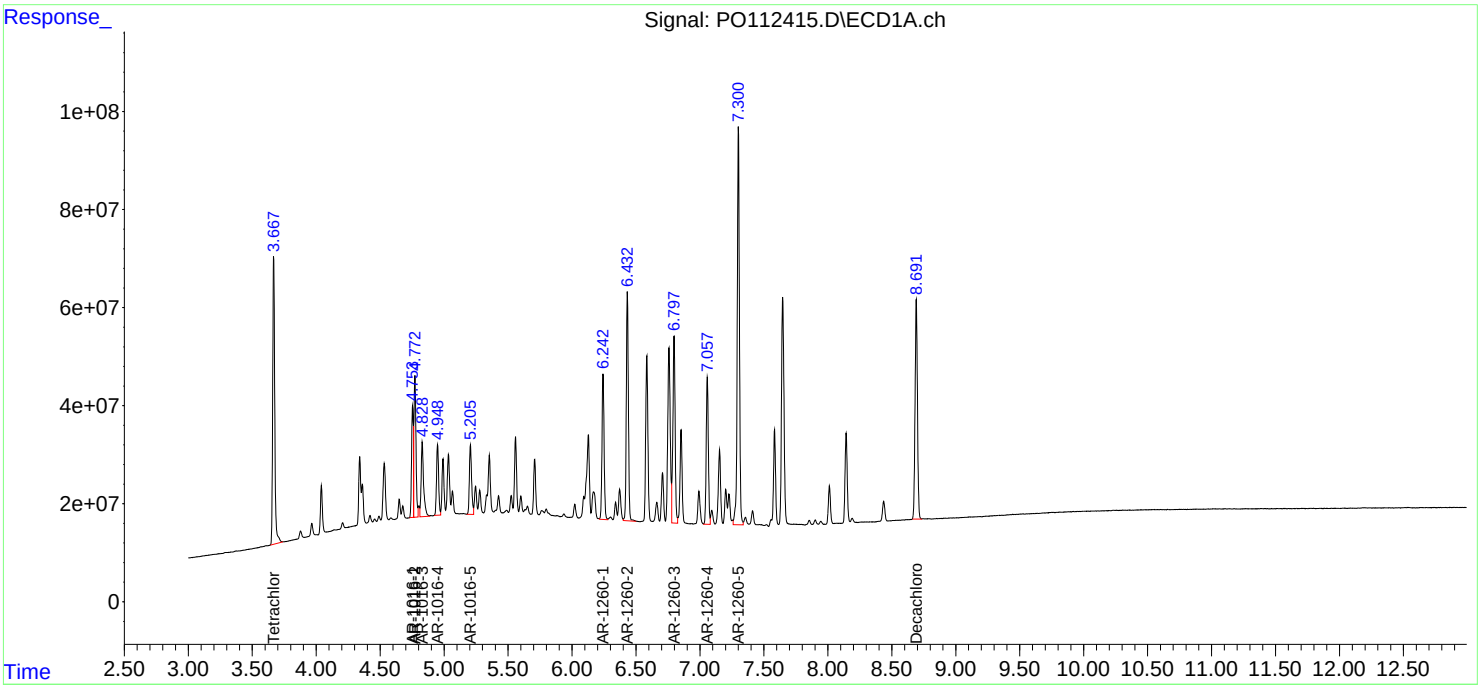
ICAL Form

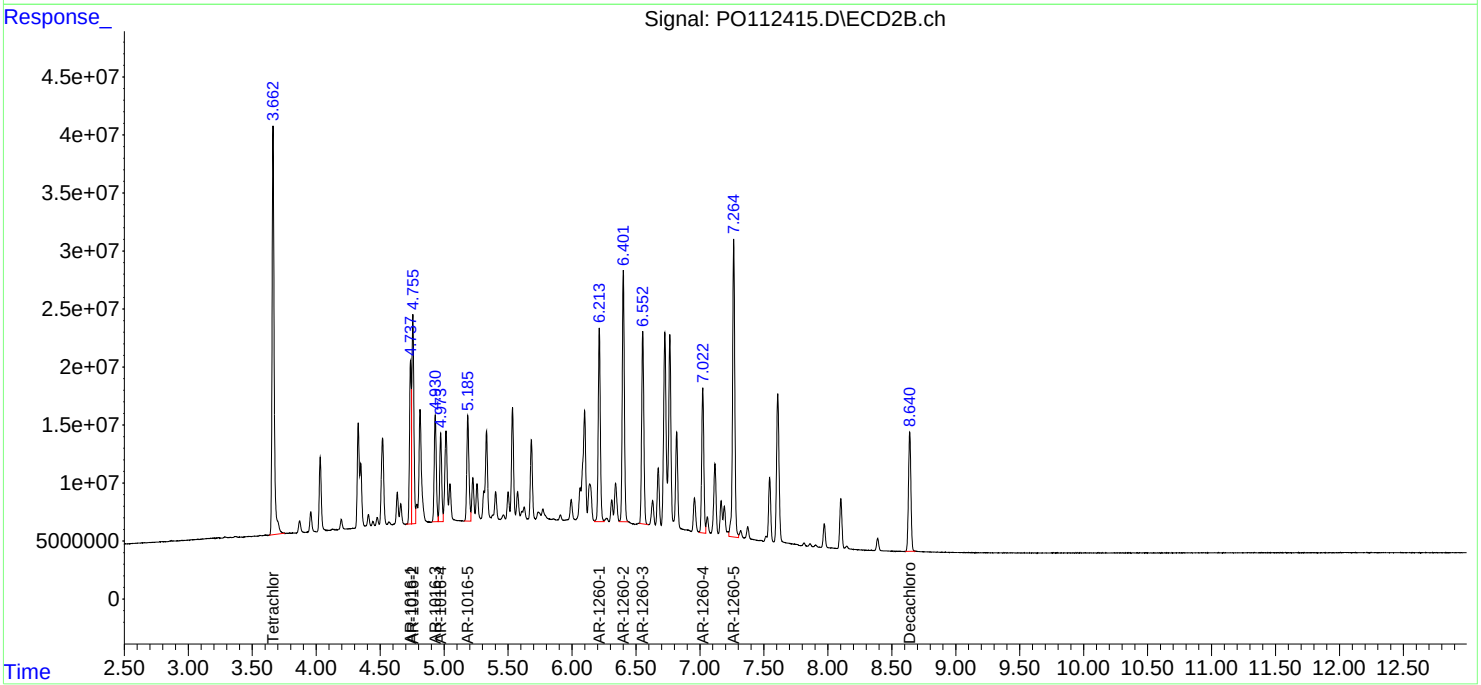
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:50
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 12:34:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 12:24:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:08
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 12:27:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 12:24:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.662	437.7E6	266.5E6	50.000	50.000
2)	SA Decachlor...	8.693	8.640	391.5E6	93890082	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	4.755	4.738	145.4E6	90128163	500.000	500.000
4)	L1 AR-1016-2	4.774	4.756	216.9E6	136.8E6	500.000	500.000
5)	L1 AR-1016-3	4.831	4.931	136.8E6	71173535	500.000	500.000
6)	L1 AR-1016-4	4.951	4.973	111.7E6	57830575	500.000	500.000
7)	L1 AR-1016-5	5.208	5.185	116.9E6	73968656	500.000	500.000
31)	L7 AR-1260-1	6.245	6.213	238.1E6	130.6E6	500.000	500.000
32)	L7 AR-1260-2	6.433	6.402	361.5E6	167.5E6	500.000	500.000
33)	L7 AR-1260-3	6.800	6.553	305.2E6	134.6E6	500.000	500.000
34)	L7 AR-1260-4	7.059	7.023	236.6E6	98627757	500.000	500.000
35)	L7 AR-1260-5	7.303	7.264	668.6E6	216.5E6	500.000	500.000

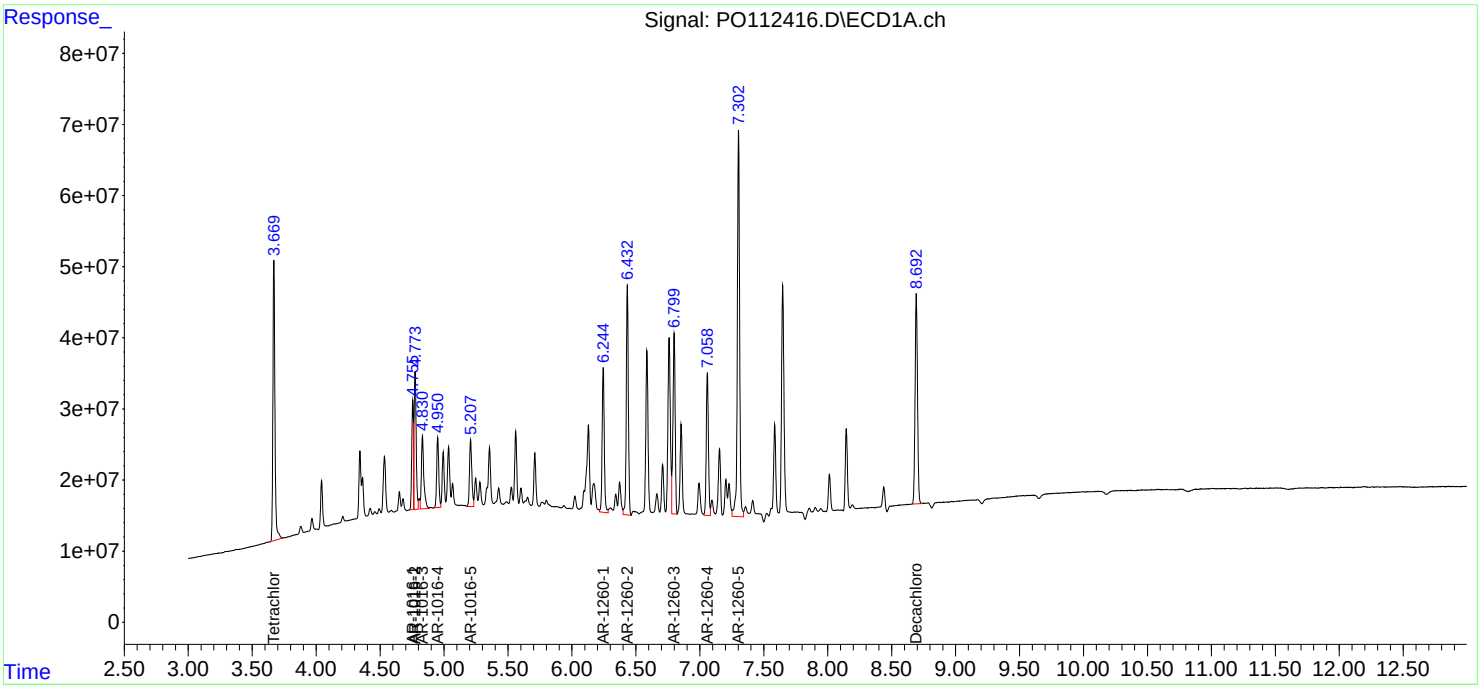
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

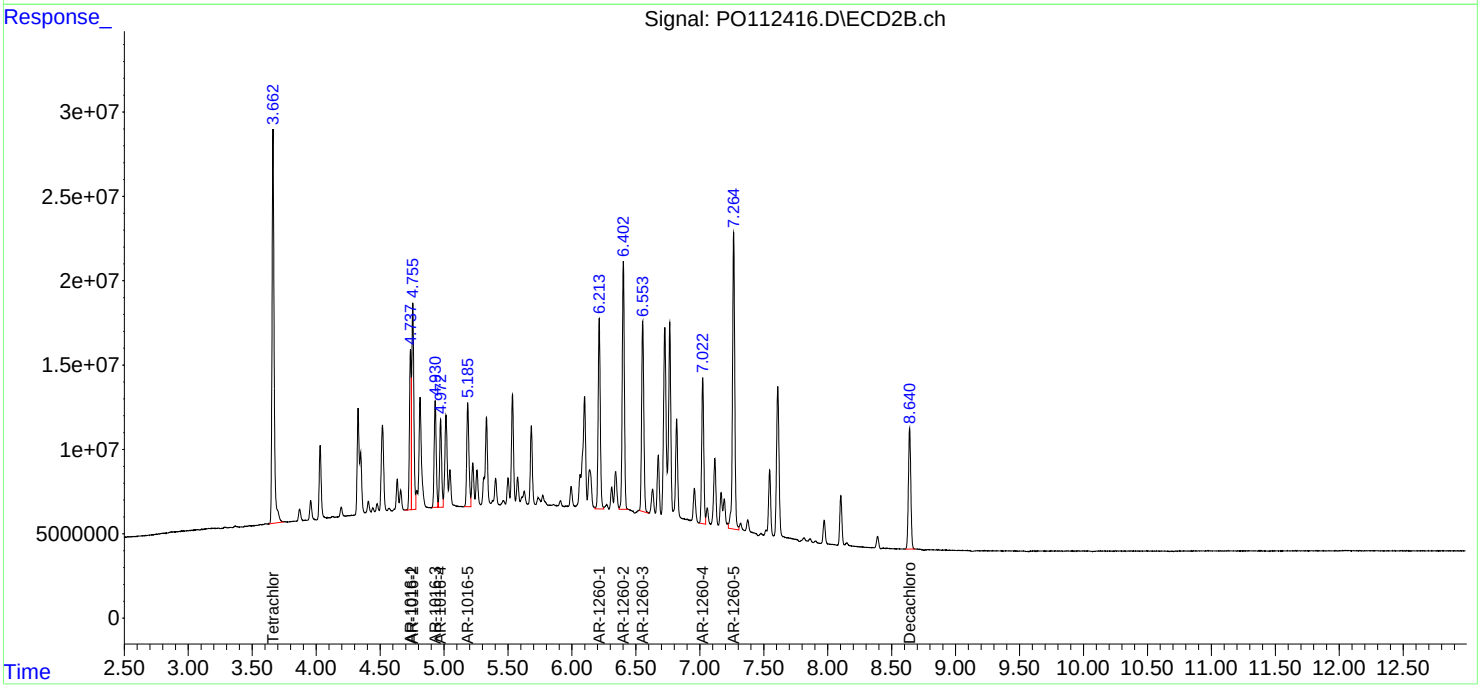
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:08
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 12:27:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 12:24:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:27
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 12:41:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 12:41:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	207.9E6	127.8E6	24.188	24.425
2)	SA Decachlor...	8.693	8.639	191.8E6	47304642	25.044	25.765
	Target Compounds						
3)	L1 AR-1016-1	4.756	4.737	69875317	44959652	245.828	253.500
4)	L1 AR-1016-2	4.774	4.756	105.2E6	68066920	246.833	255.376
5)	L1 AR-1016-3	4.831	4.931	65721962	35251812	244.790	253.028
6)	L1 AR-1016-4	4.951	4.973	53435135	29674672	244.973	262.052
7)	L1 AR-1016-5	5.207	5.185	58842499	38084113	256.222	260.764
31)	L7 AR-1260-1	6.243	6.213	111.9E6	64510353	248.096m	249.850m
32)	L7 AR-1260-2	6.433	6.401	171.6E6	85155201	247.077m	257.556
33)	L7 AR-1260-3	6.800	6.552	153.7E6	68977690	249.524	262.028m
34)	L7 AR-1260-4	7.059	7.022	126.3E6	50234042	267.727	258.471
35)	L7 AR-1260-5	7.302	7.264	336.9E6	108.7E6	257.581	254.474

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:27
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

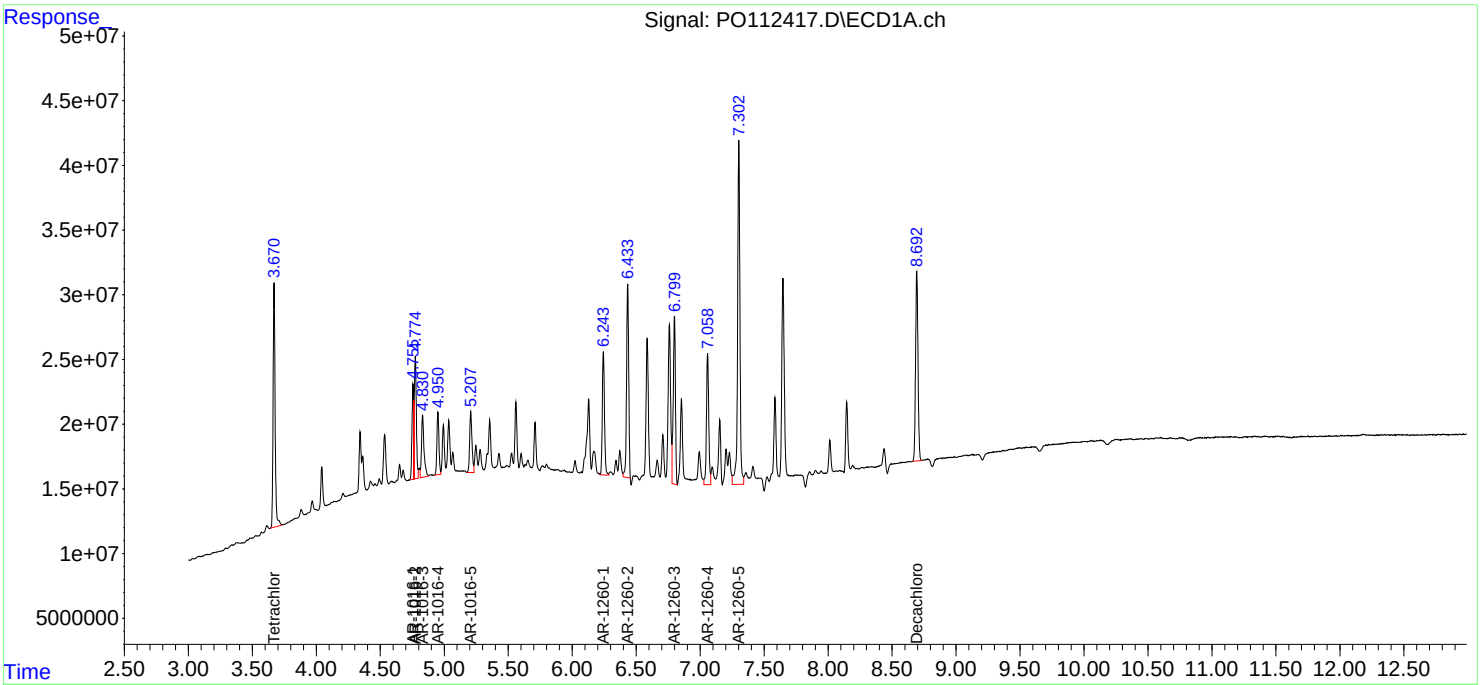
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

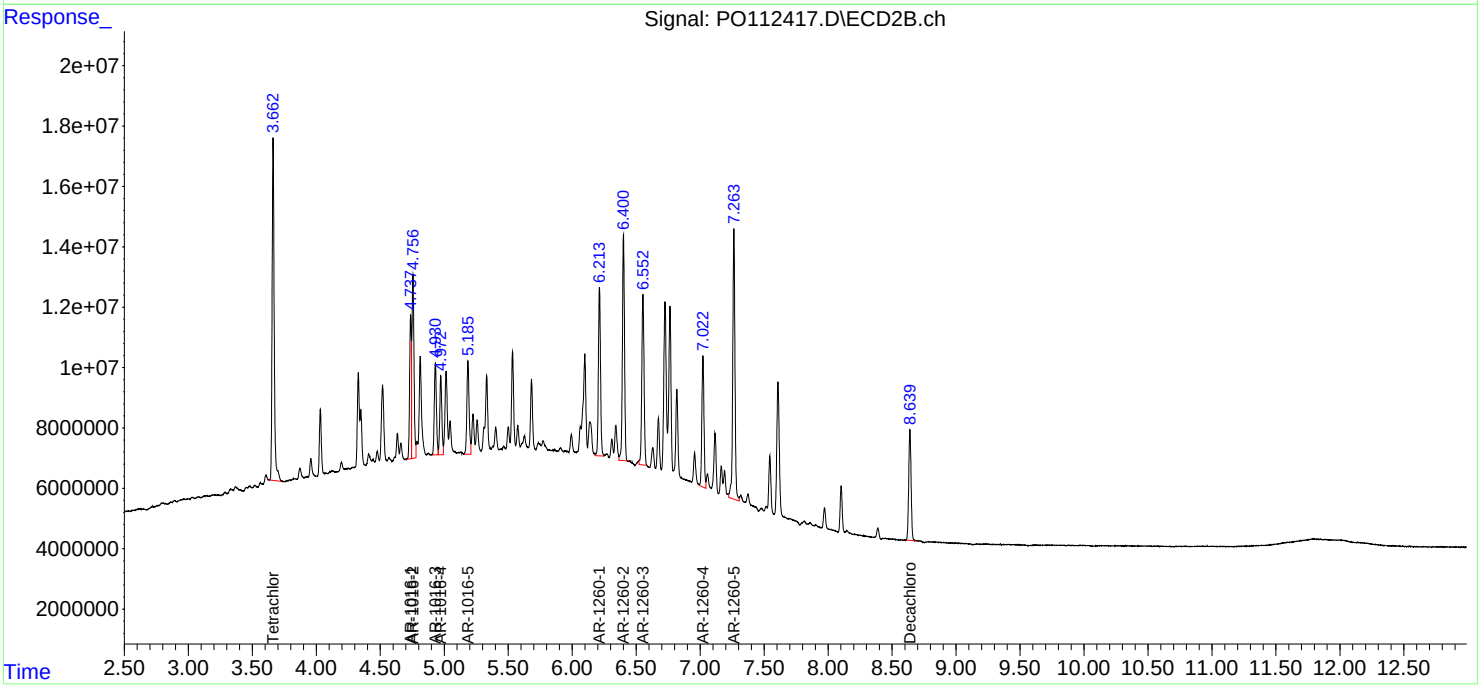
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 12:41:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 12:41:19 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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:45
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 13:01:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 13:01:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.662	31417194	19597973	3.883	3.906
2)	SA Decachlor...	8.693	8.640	29621580	7457220	4.051	4.220
	Target Compounds						
3)	L1 AR-1016-1	4.756	4.737	10242412	8280603	38.166	47.316
4)	L1 AR-1016-2	4.774	4.756	16308940	11816564	40.158	45.362
5)	L1 AR-1016-3	4.832	4.931	11721947	6127662	44.796	45.067
6)	L1 AR-1016-4	4.951	4.973	9335010	5123227	44.066	46.120
7)	L1 AR-1016-5	5.207	5.185	8936708	6616061	41.260m	46.488m
31)	L7 AR-1260-1	6.245	6.213	19551344	11452500	44.503	44.442m
32)	L7 AR-1260-2	6.434	6.402	32919190	16247800	47.855	49.311
33)	L7 AR-1260-3	6.801	6.553	23827559	11022704	40.522	43.782m
34)	L7 AR-1260-4	7.060	7.022	18415991	8957569	40.833	46.822
35)	L7 AR-1260-5	7.303	7.265	48222745	17614159	38.916	42.733

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:45
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

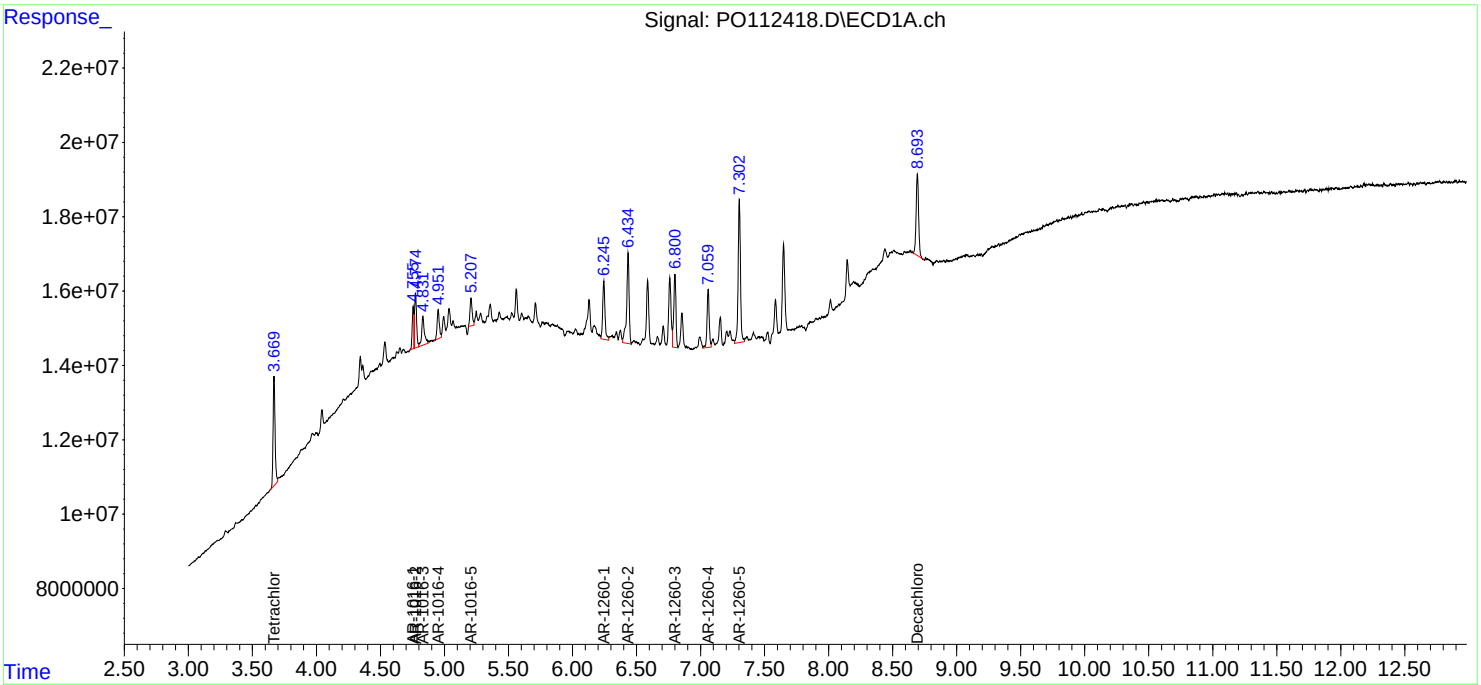
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

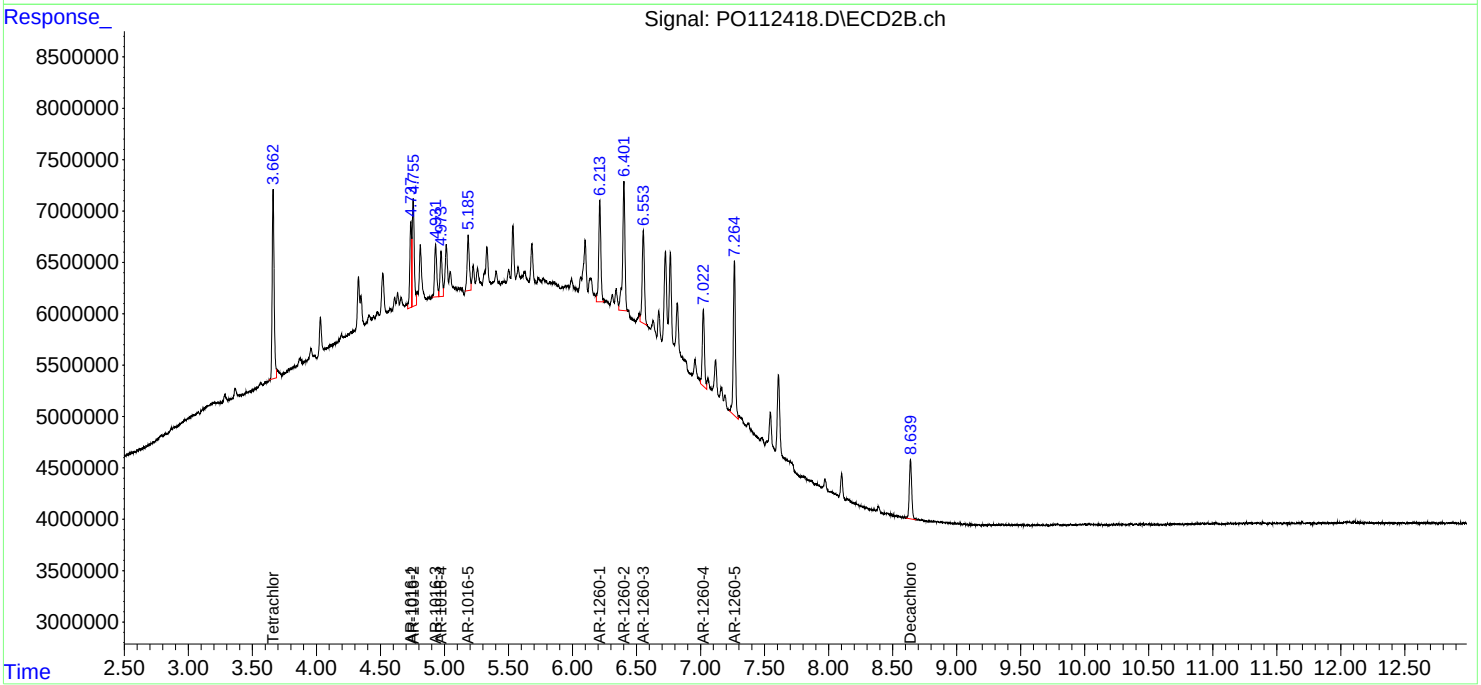
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 13:01:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 13:01:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:03
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 13:39:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 13:39:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	423.2E6	251.3E6	50.000	50.000
2)	SA Decachlor...	8.694	8.641	374.2E6	89450396	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	3.882	3.872	48329823	33632938	500.000	500.000
9)	L2 AR-1221-2	3.967	3.958	35930990	25363994	500.000	500.000
10)	L2 AR-1221-3	4.044	4.032	118.9E6	79264688	500.000	500.000

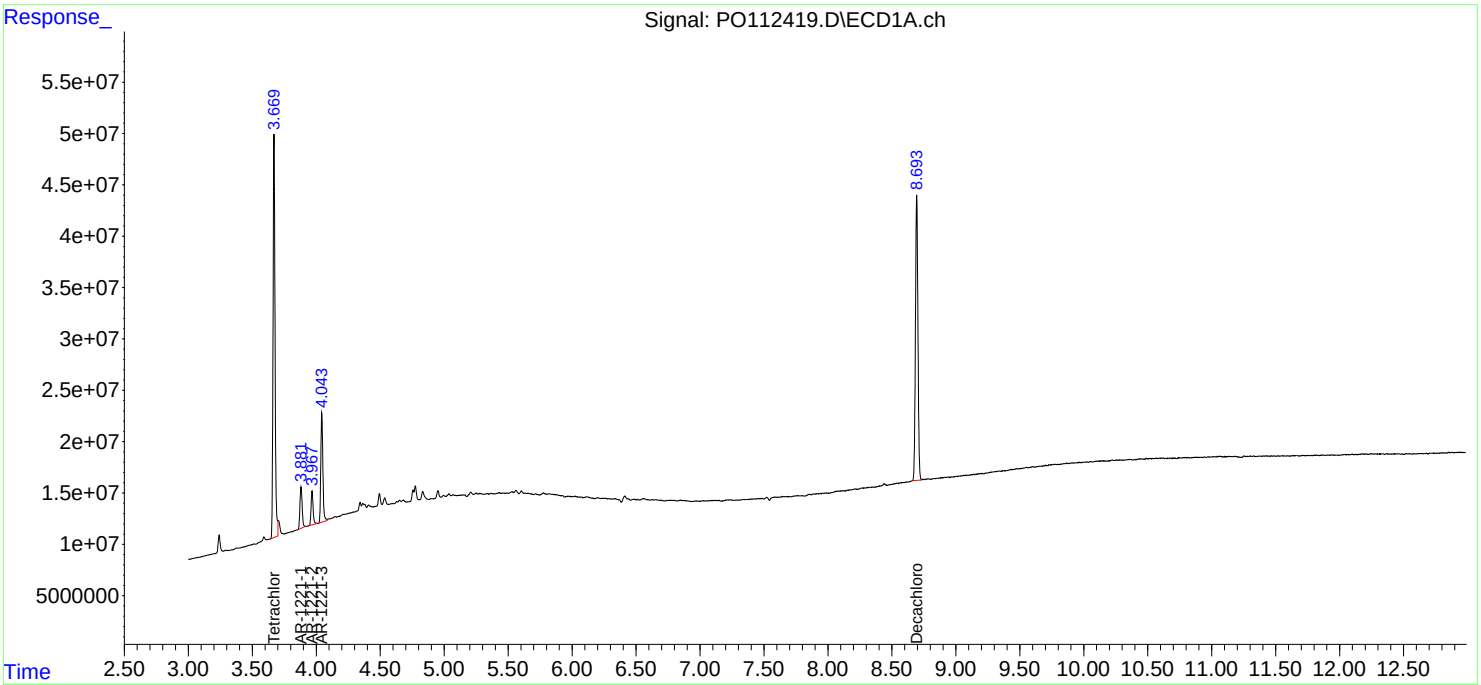
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

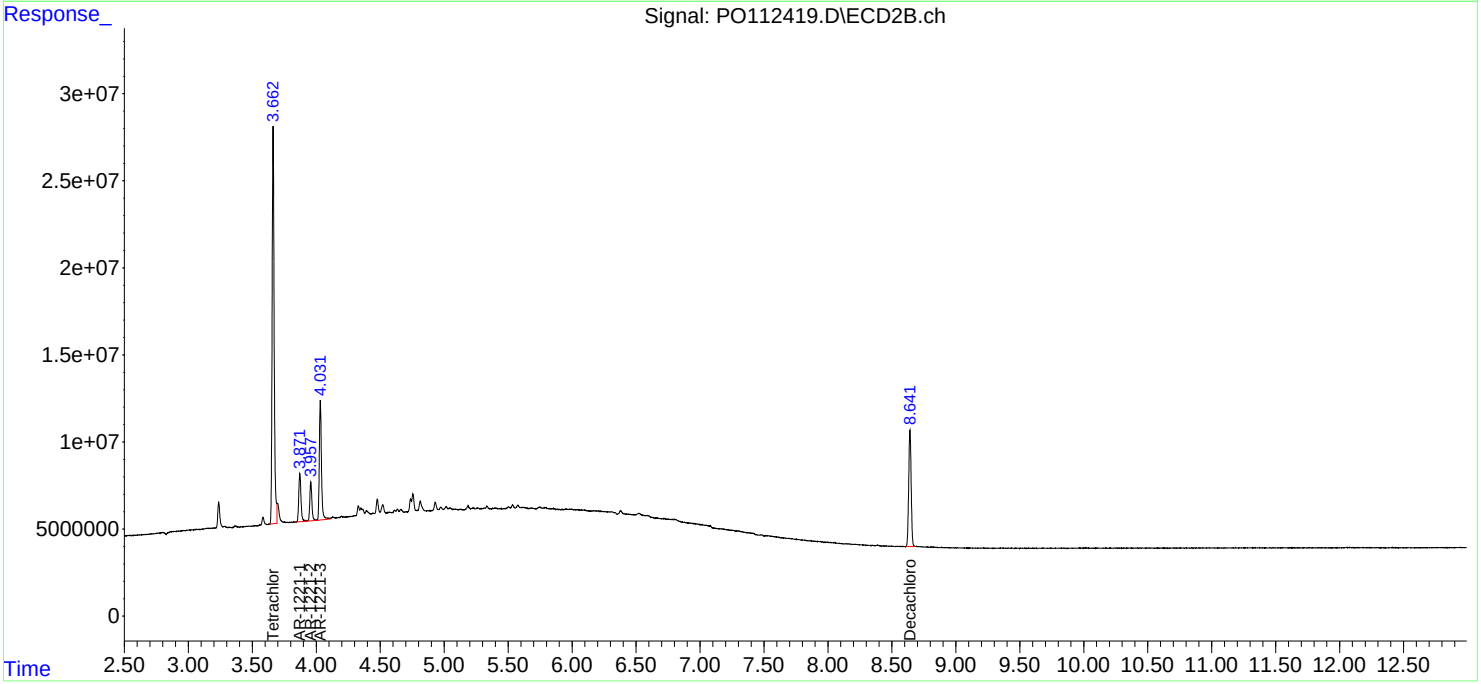
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:03
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 13:39:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 13:39:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:22
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:21:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:21:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	456.9E6	277.1E6	50.000	50.000
2)	SA Decachlor...	8.694	8.641	397.2E6	95040741	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	4.043	4.031	93489328	63274969	500.000	500.000
12)	L3 AR-1232-2	4.535	4.756	53812362	65577392	500.000	500.000
13)	L3 AR-1232-3	4.775	4.931	103.4E6	33598402	500.000	500.000
14)	L3 AR-1232-4	4.951	5.015	52370149	29914546	500.000	500.000
15)	L3 AR-1232-5	4.994	5.185	33940444	32601518	500.000	500.000

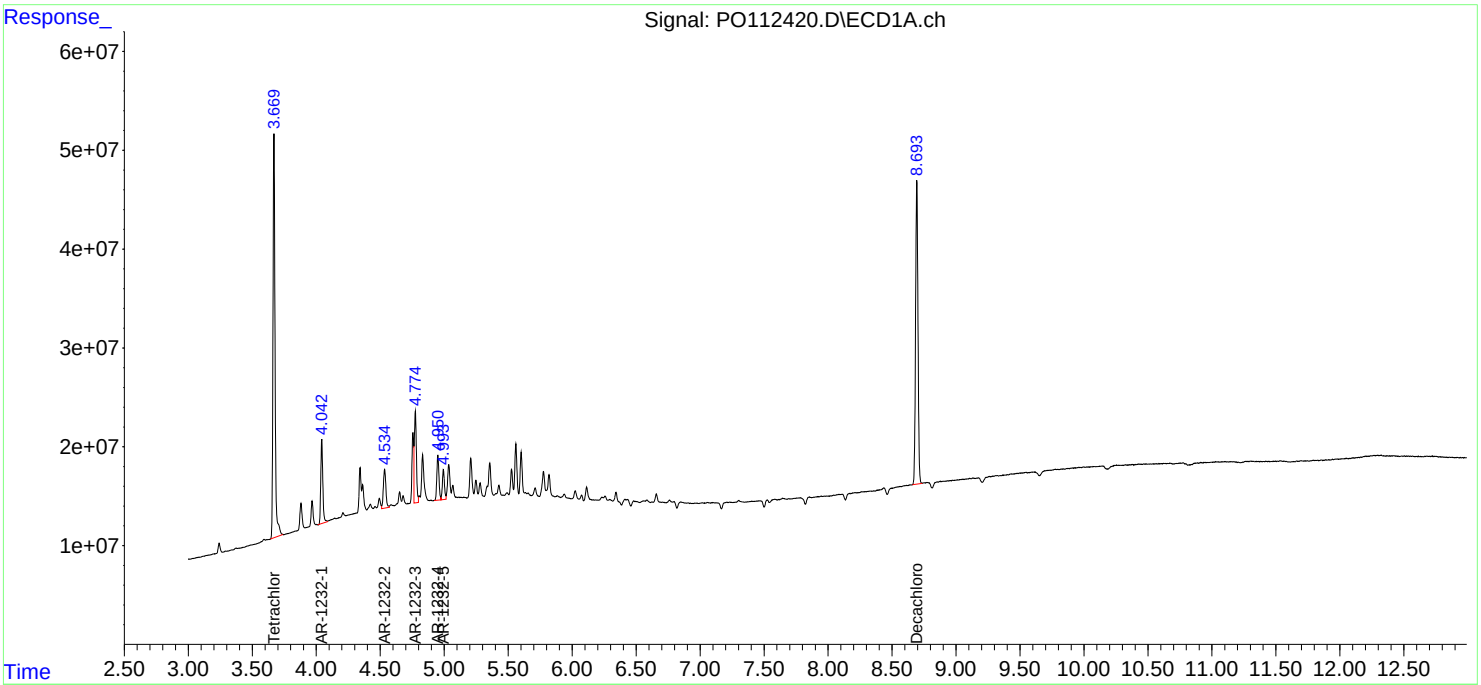
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

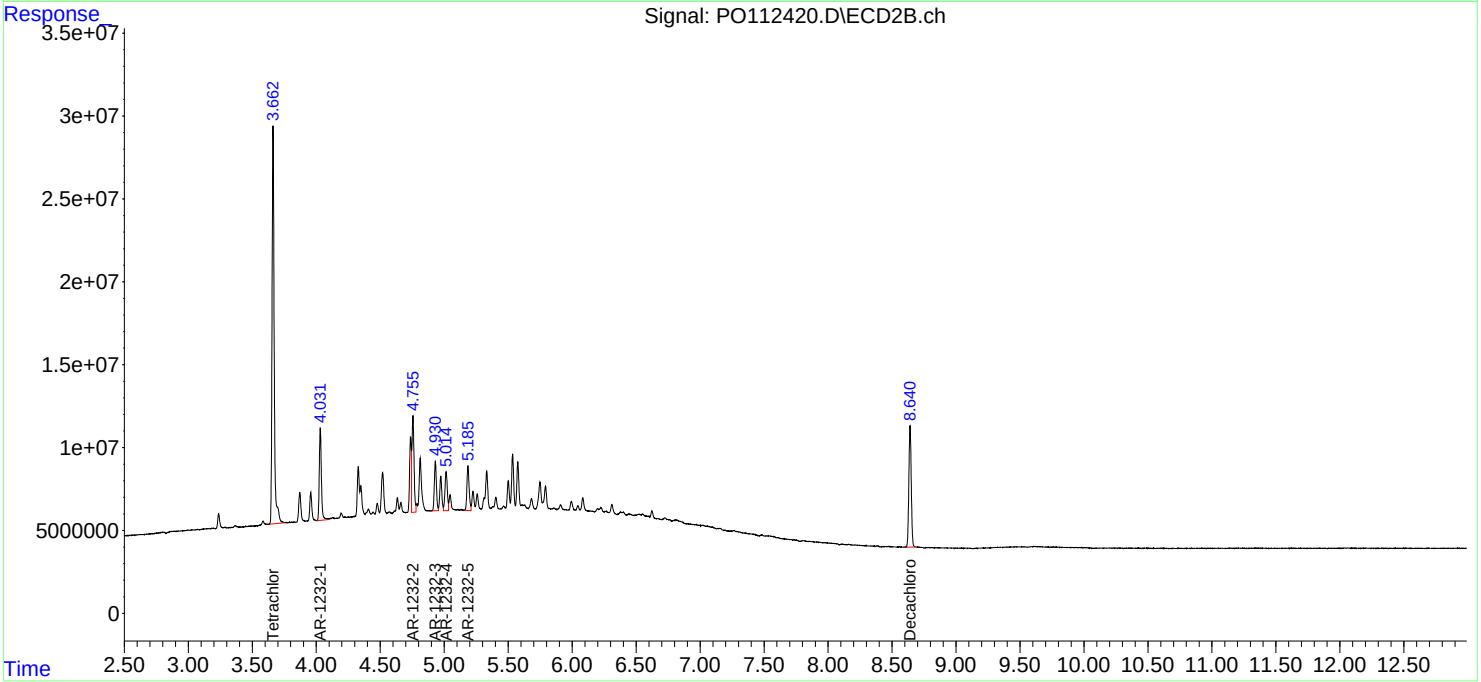
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:22
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:21:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:21:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:40
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:43:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:40:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	912.6E6	548.3E6	99.488	99.183
2)	SA Decachlor...	8.694	8.641	800.1E6	183.2E6	99.457	97.537
	Target Compounds						
16)	L4 AR-1242-1	4.755	4.738	256.3E6	153.6E6	991.564	972.911
17)	L4 AR-1242-2	4.775	4.756	381.1E6	230.6E6	986.515	976.155
18)	L4 AR-1242-3	4.832	4.931	241.8E6	121.0E6	986.644	977.243
19)	L4 AR-1242-4	4.951	5.015	195.7E6	116.9E6	985.280	969.692
20)	L4 AR-1242-5	5.602	5.534	215.7E6	154.5E6	969.592	960.715

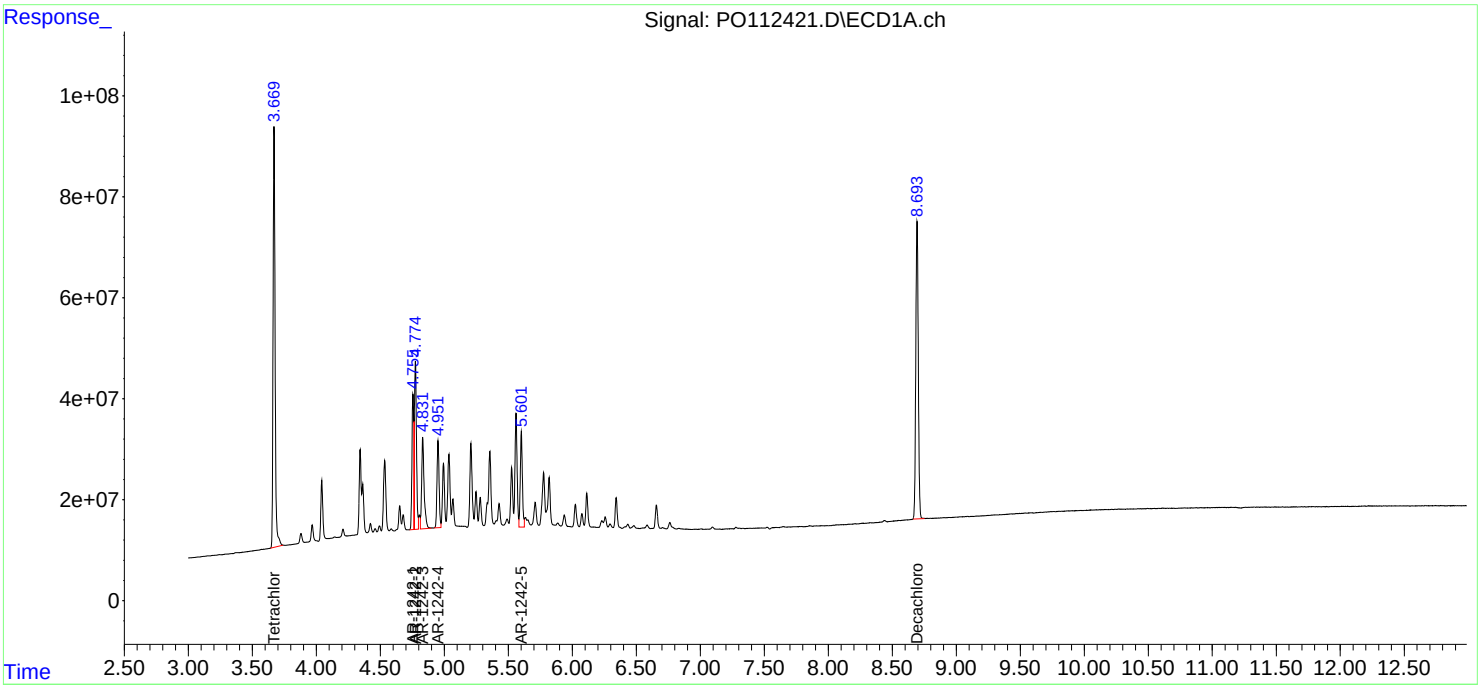
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

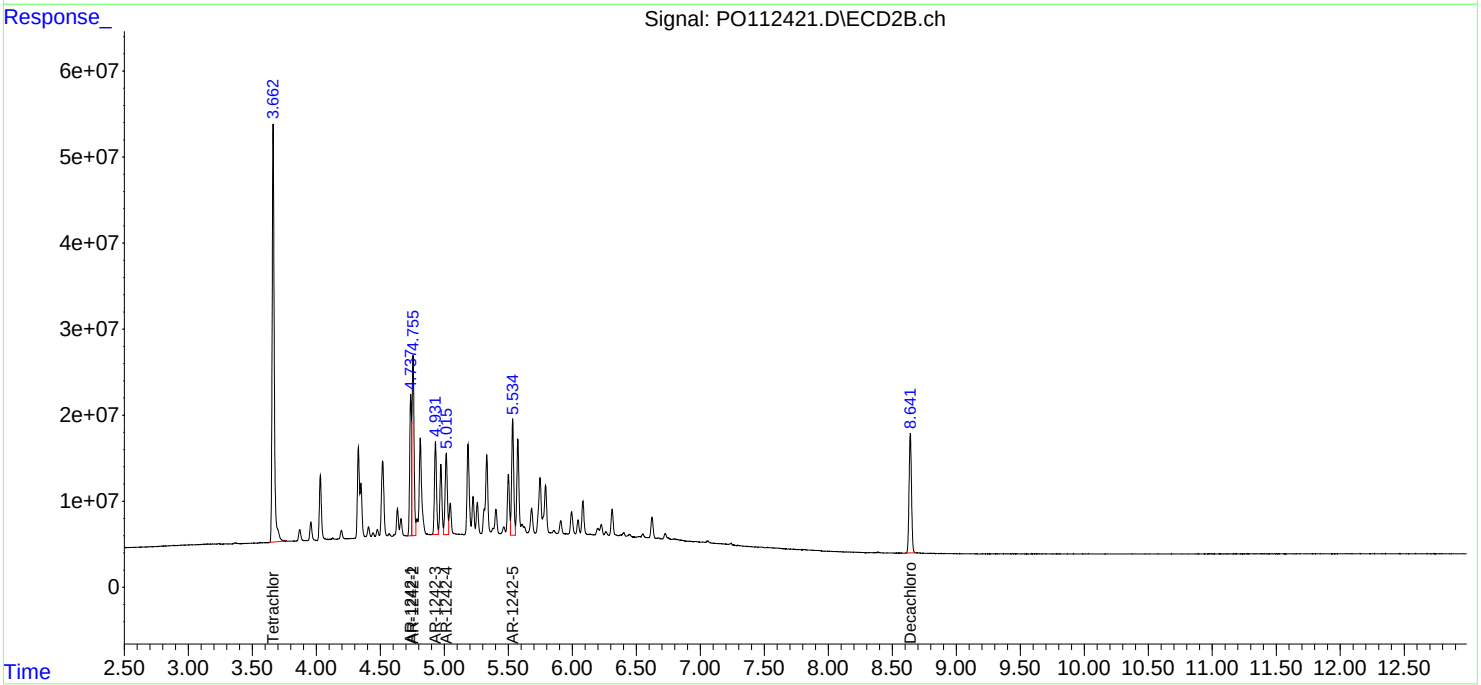
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:40
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:43:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:40:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:59
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:46:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:40:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	689.6E6	415.8E6	75.123	75.136
2)	SA Decachlor...	8.694	8.641	602.8E6	140.4E6	74.961	74.840
	Target Compounds						
16)	L4 AR-1242-1	4.756	4.738	194.7E6	118.7E6	752.104	751.134
17)	L4 AR-1242-2	4.774	4.756	290.3E6	177.2E6	750.959	750.102
18)	L4 AR-1242-3	4.831	4.931	184.9E6	93444753	752.920	753.133
19)	L4 AR-1242-4	4.951	5.015	148.8E6	90566785	749.303	750.747
20)	L4 AR-1242-5	5.602	5.534	165.1E6	120.7E6	744.936	750.335

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

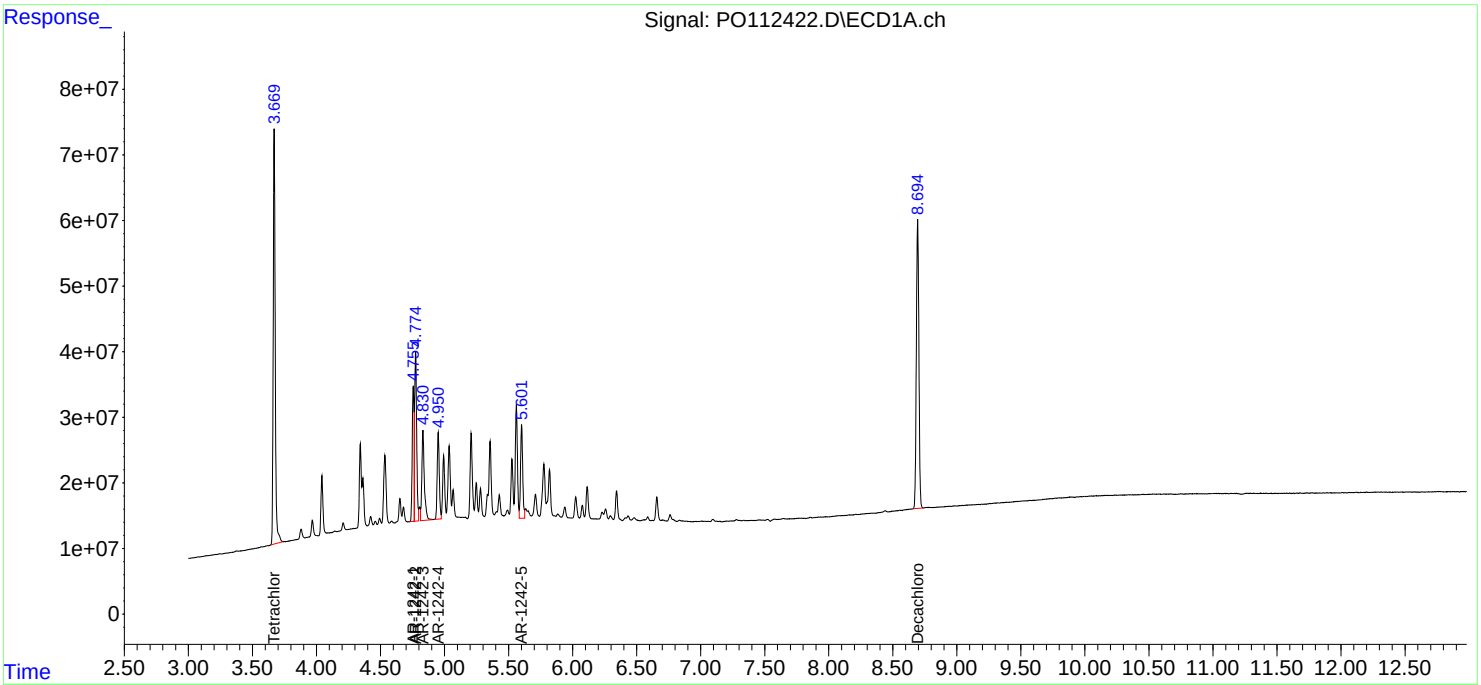
ICAL Form

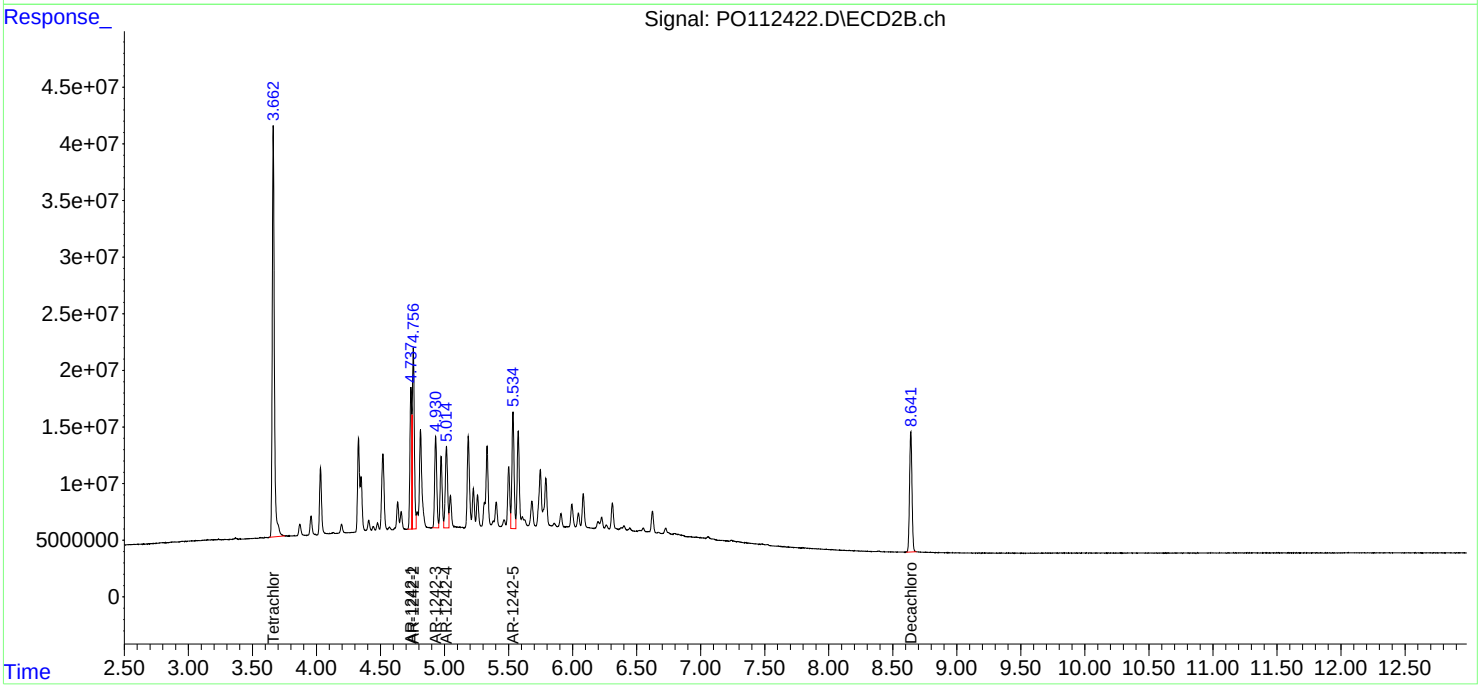
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 13:59
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:46:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:40:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:17
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:40:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:40:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.662	461.0E6	278.7E6	50.000	50.000
2)	SA Decachlor...	8.693	8.641	404.4E6	96205236	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	4.755	4.737	130.3E6	81100988	500.000	500.000
17)	L4 AR-1242-2	4.774	4.755	195.8E6	120.9E6	500.000	500.000
18)	L4 AR-1242-3	4.831	4.931	124.2E6	63316612	500.000	500.000
19)	L4 AR-1242-4	4.951	5.015	100.8E6	62114890	500.000	500.000
20)	L4 AR-1242-5	5.602	5.534	114.6E6	83558195	500.000	500.000

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

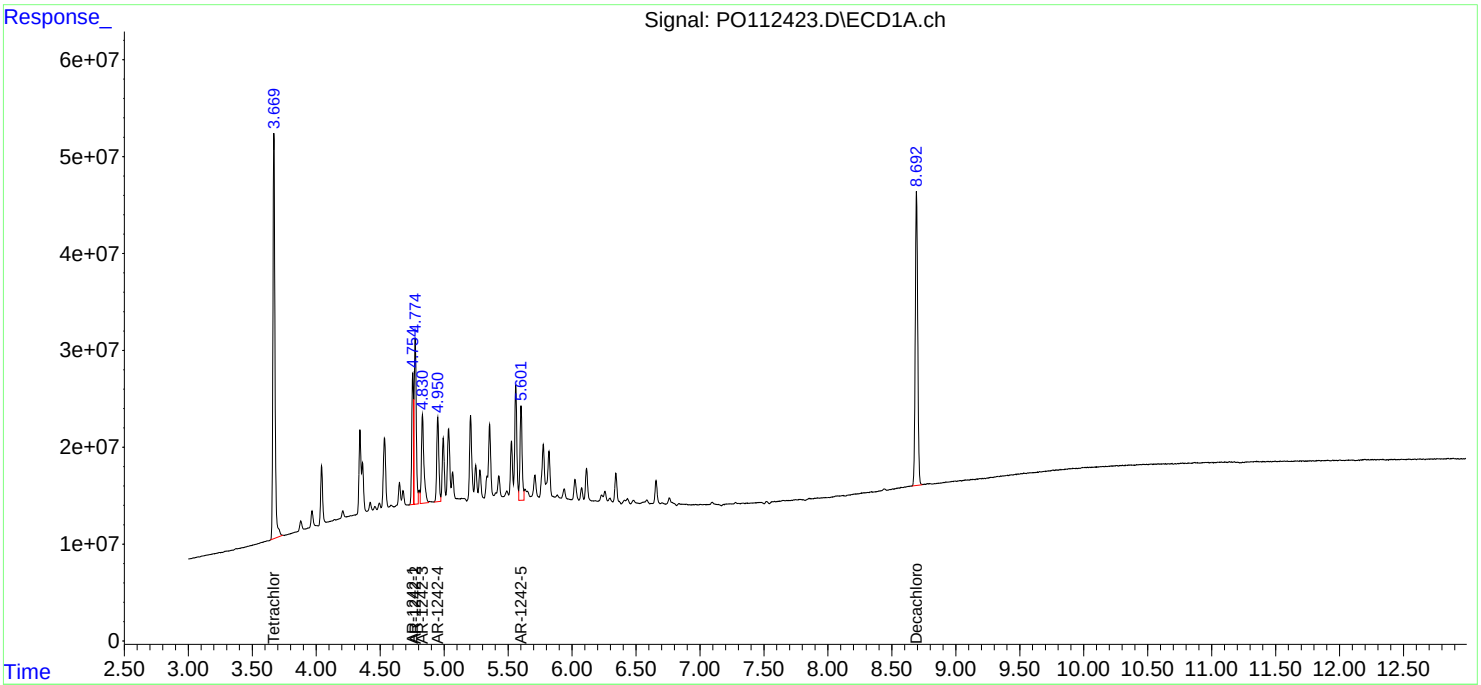
ICAL Form

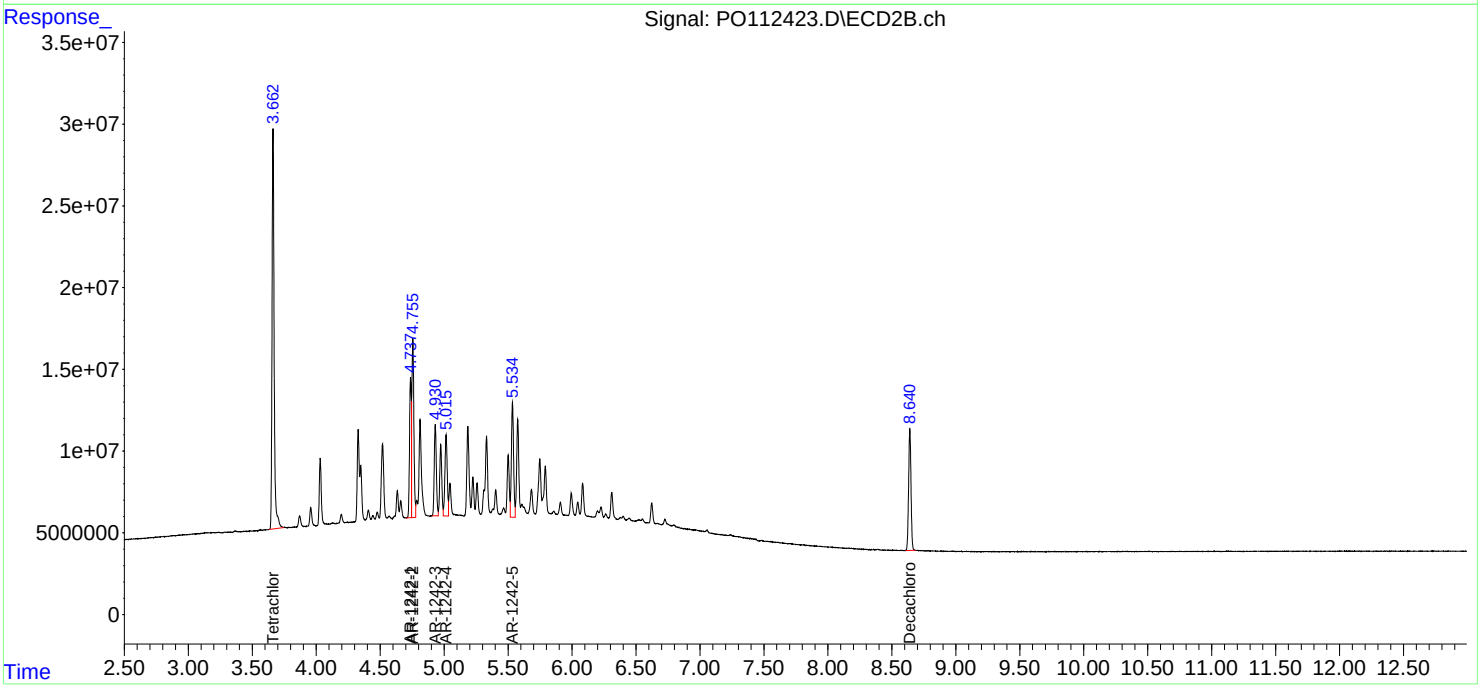
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:17
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:40:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:40:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:36
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:50:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.662	230.2E6	140.8E6	25.056	25.329
2)	SA Decachlor...	8.692	8.640	202.2E6	49177998	25.104	25.901
	Target Compounds						
16)	L4 AR-1242-1	4.756	4.737	66274294	42281301	254.503	262.921
17)	L4 AR-1242-2	4.774	4.756	98384229	63307827	253.352	263.280
18)	L4 AR-1242-3	4.830	4.930	63048920	32586963	255.064	259.362
19)	L4 AR-1242-4	4.951	5.015	50849599	32274308	254.552	262.925
20)	L4 AR-1242-5	5.601	5.534	57385959	40990023	262.483m	253.808m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:36
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

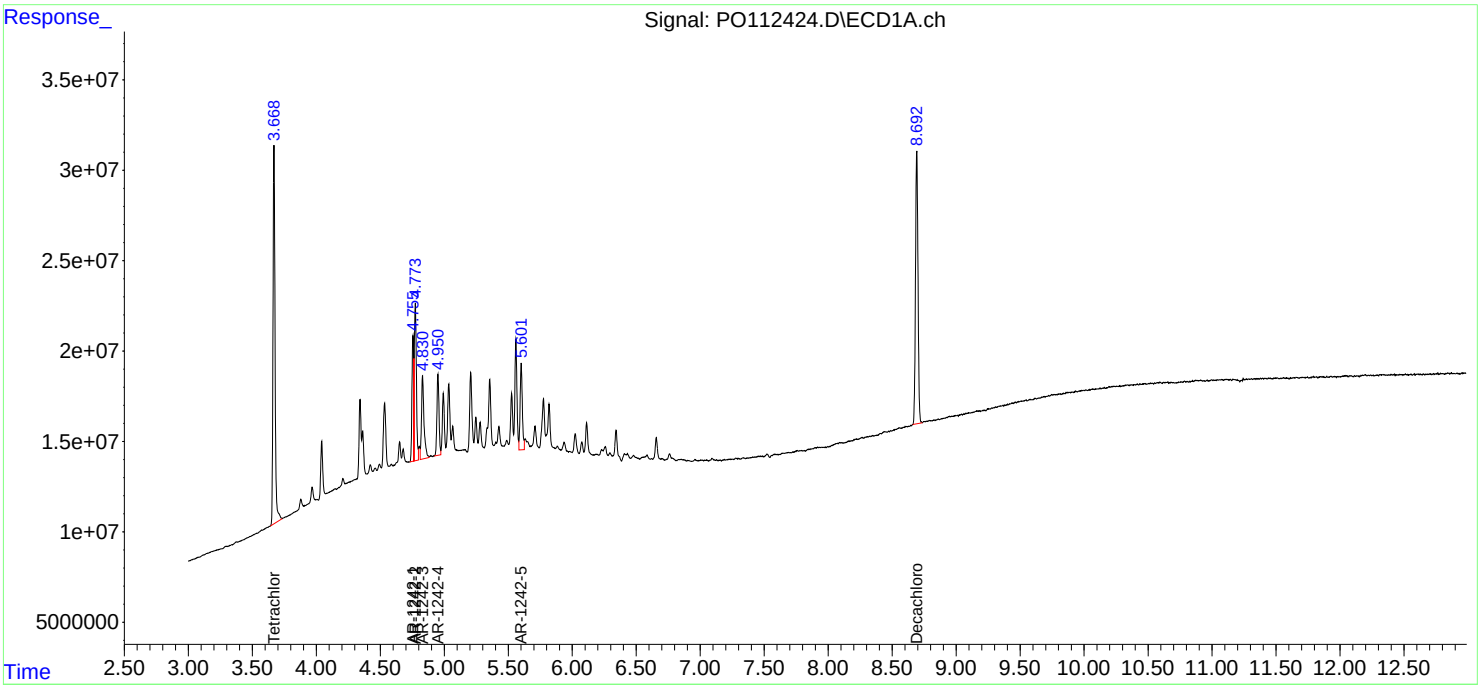
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

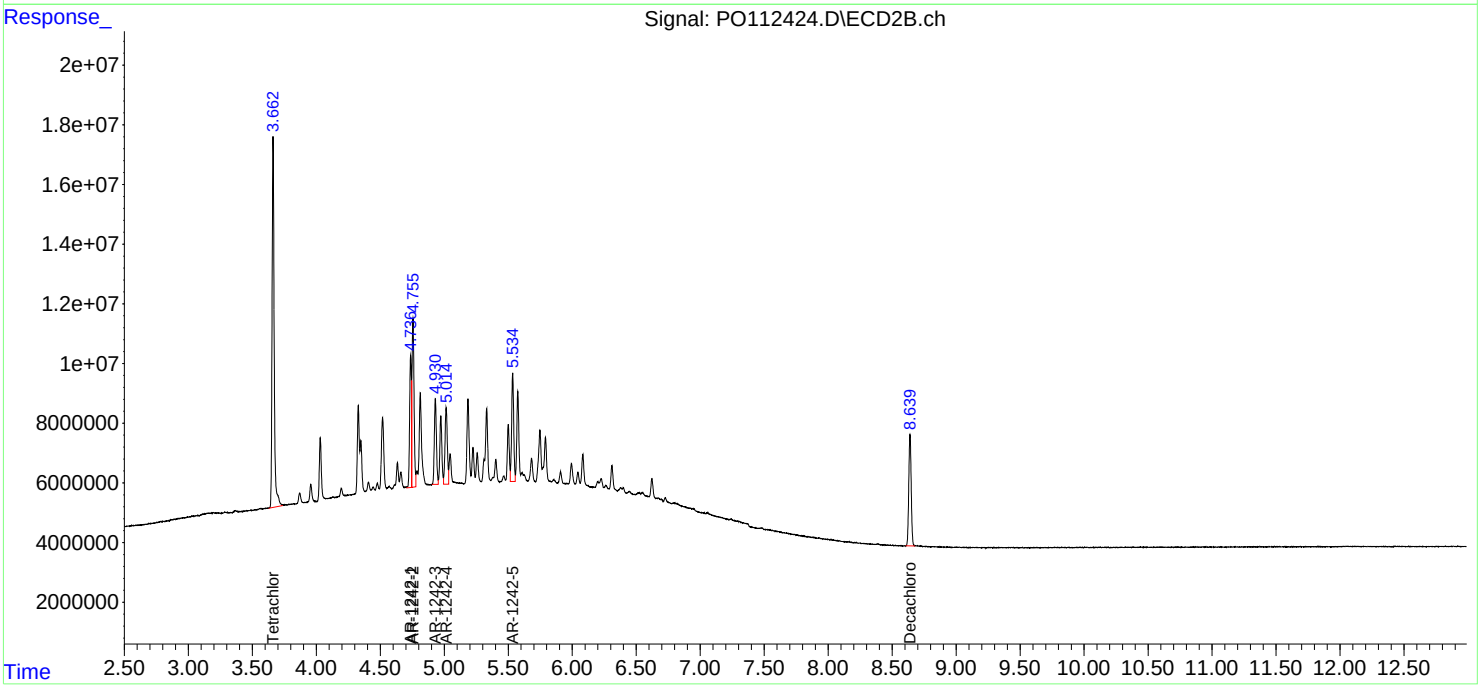
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 14:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 14:50:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:54
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:07:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 15:07:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	31709040	20307281	3.679	3.861m
2)	SA Decachlor...	8.695	8.640	31949919	7899252	4.138	4.305
	Target Compounds						
16)	L4 AR-1242-1	4.757	4.738	9816709	7435731	39.649	46.945
17)	L4 AR-1242-2	4.776	4.756	14782408	10324894	39.975	44.186
18)	L4 AR-1242-3	4.833	4.932	9726638	5168677	41.100	42.650
19)	L4 AR-1242-4	4.952	5.016	8617431	6134656	44.356	49.981
20)	L4 AR-1242-5	5.603	5.535	8751010	7919520	41.522m	48.545m

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:54
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

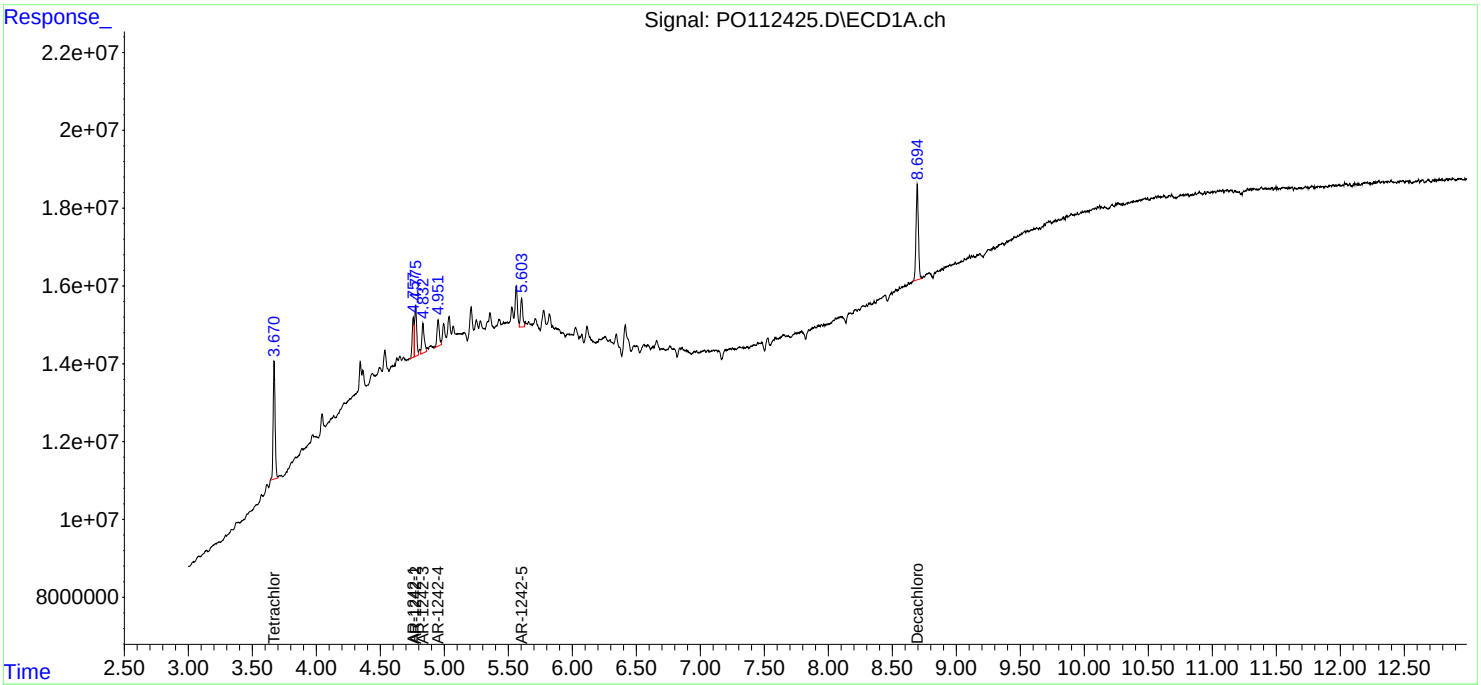
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

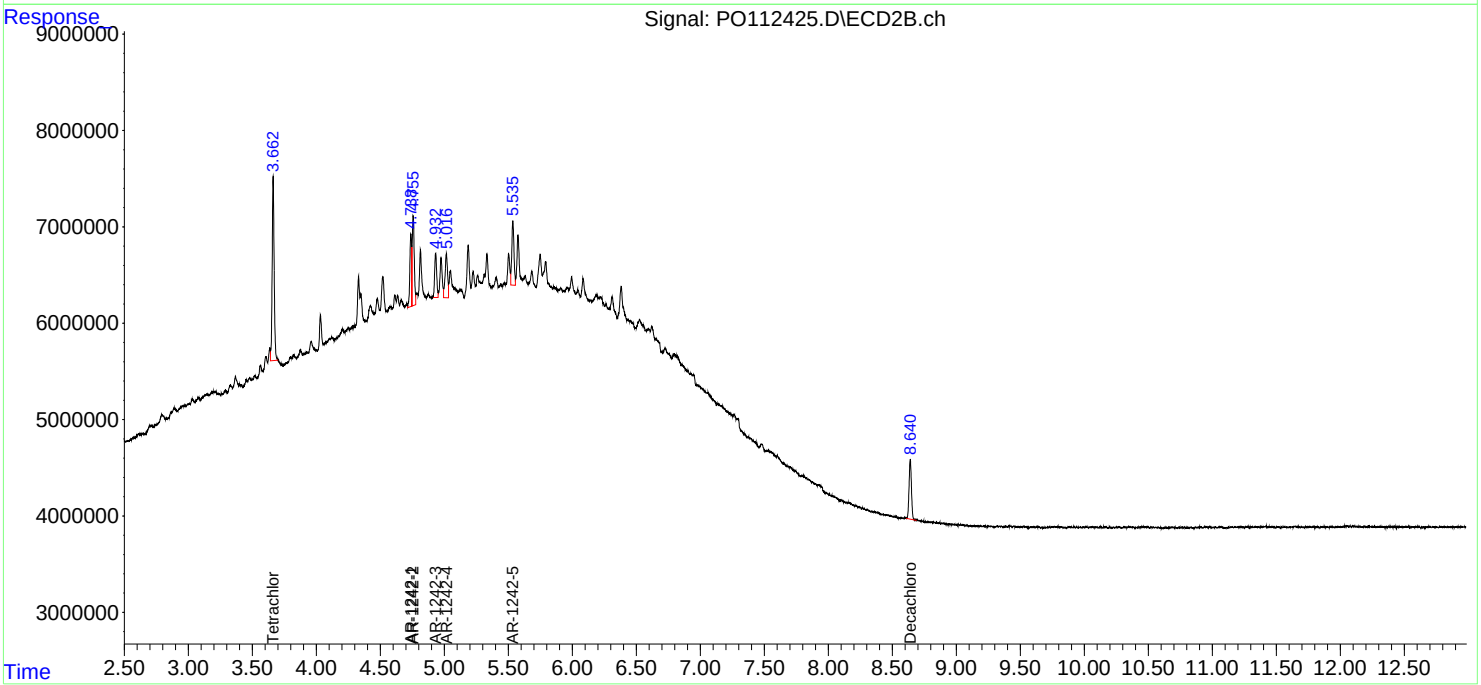
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:07:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 15:07:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:13
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:42:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	894.7E6	536.3E6	98.207	98.214
2)	SA Decachlor...	8.694	8.642	790.0E6	183.7E6	98.166	97.230
	Target Compounds						
21)	L5 AR-1248-1	4.756	4.738	189.3E6	116.8E6	976.657	958.799
22)	L5 AR-1248-2	4.994	4.974	257.1E6	161.8E6	974.386	958.261
23)	L5 AR-1248-3	5.208	5.015	329.8E6	170.7E6	969.727	961.014
24)	L5 AR-1248-4	5.561	5.185	503.2E6	202.5E6	964.167	960.436
25)	L5 AR-1248-5	5.602	5.576	346.5E6	207.1E6	961.394	953.250

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

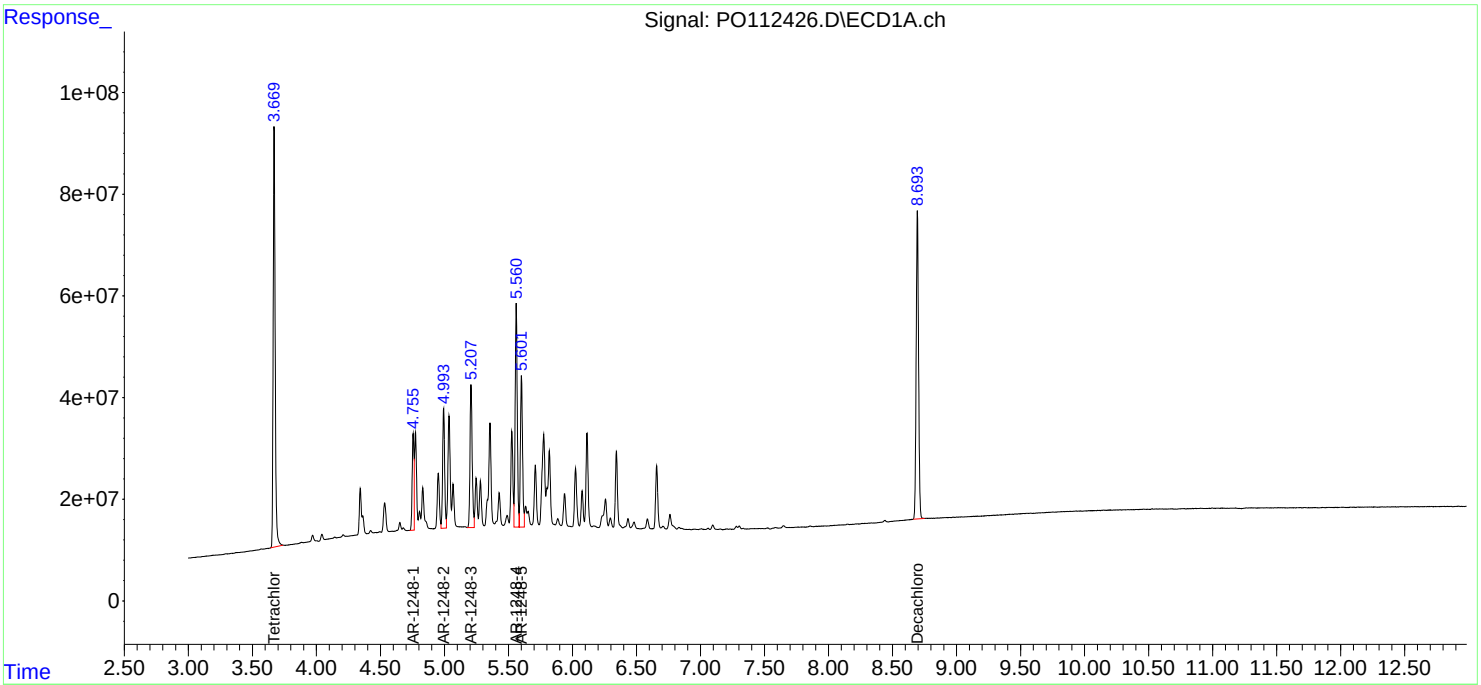
ICAL Form

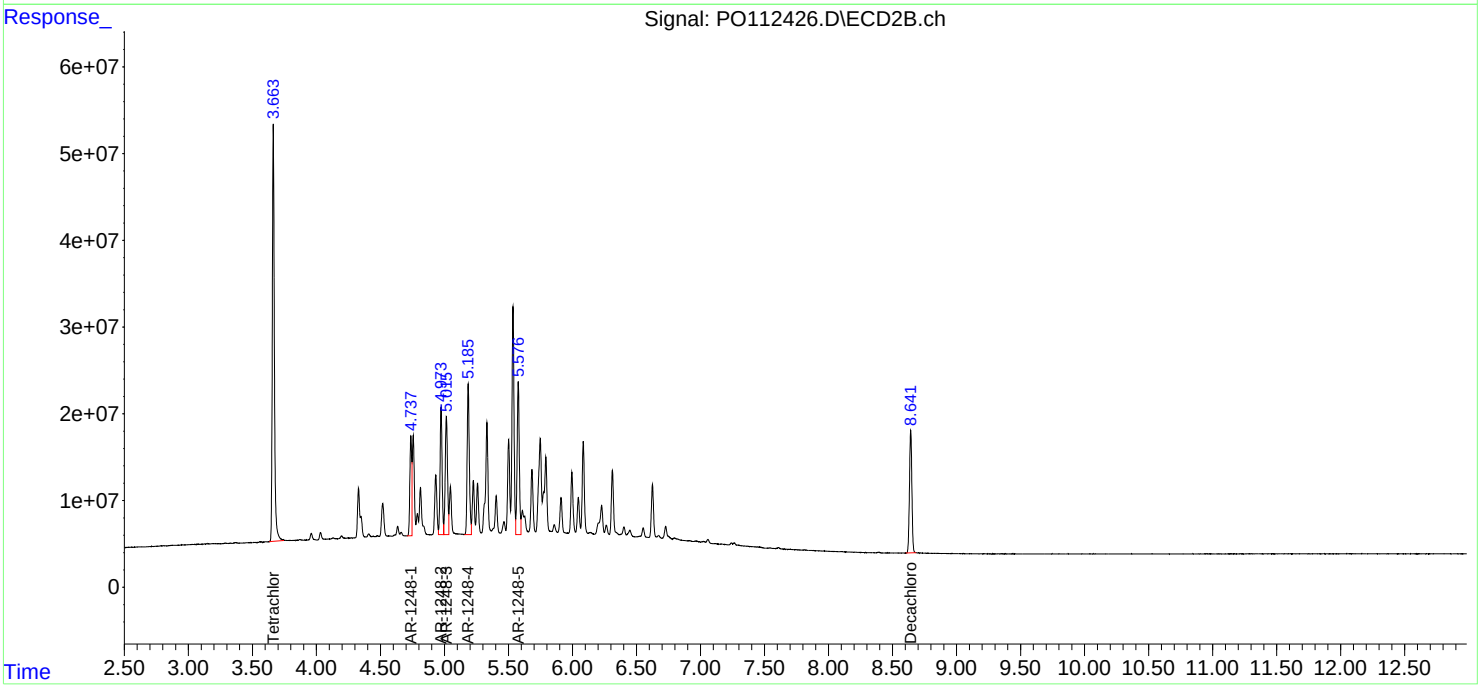
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:13
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:42:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:31
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:46:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.662	689.2E6	412.7E6	75.433	75.386
2)	SA Decachlor...	8.694	8.640	606.5E6	140.9E6	75.240	74.725
	Target Compounds						
21)	L5 AR-1248-1	4.755	4.737	145.1E6	91310177	748.883	749.714
22)	L5 AR-1248-2	4.993	4.973	199.5E6	126.7E6	754.166	750.310
23)	L5 AR-1248-3	5.207	5.015	257.0E6	133.7E6	753.762	751.756
24)	L5 AR-1248-4	5.560	5.185	392.7E6	158.0E6	751.645	749.628
25)	L5 AR-1248-5	5.601	5.575	272.4E6	162.1E6	753.927	747.333

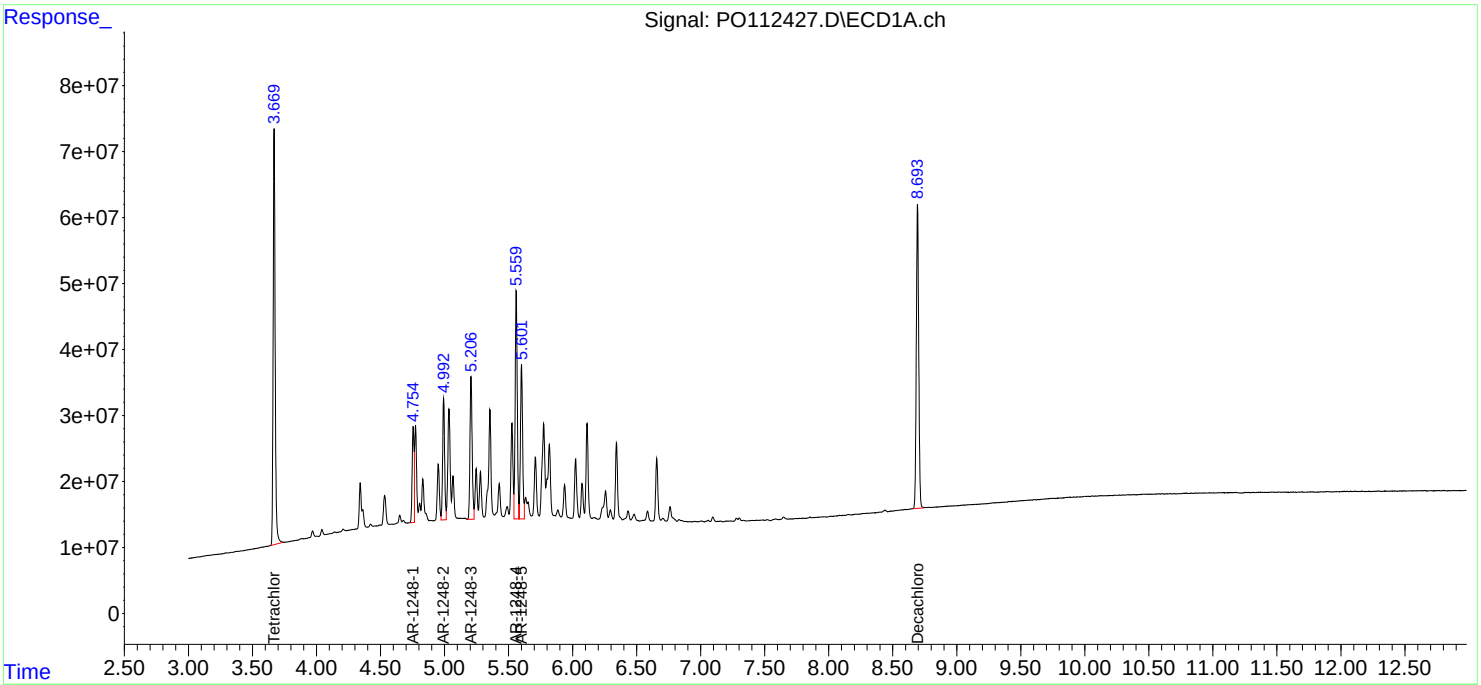
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

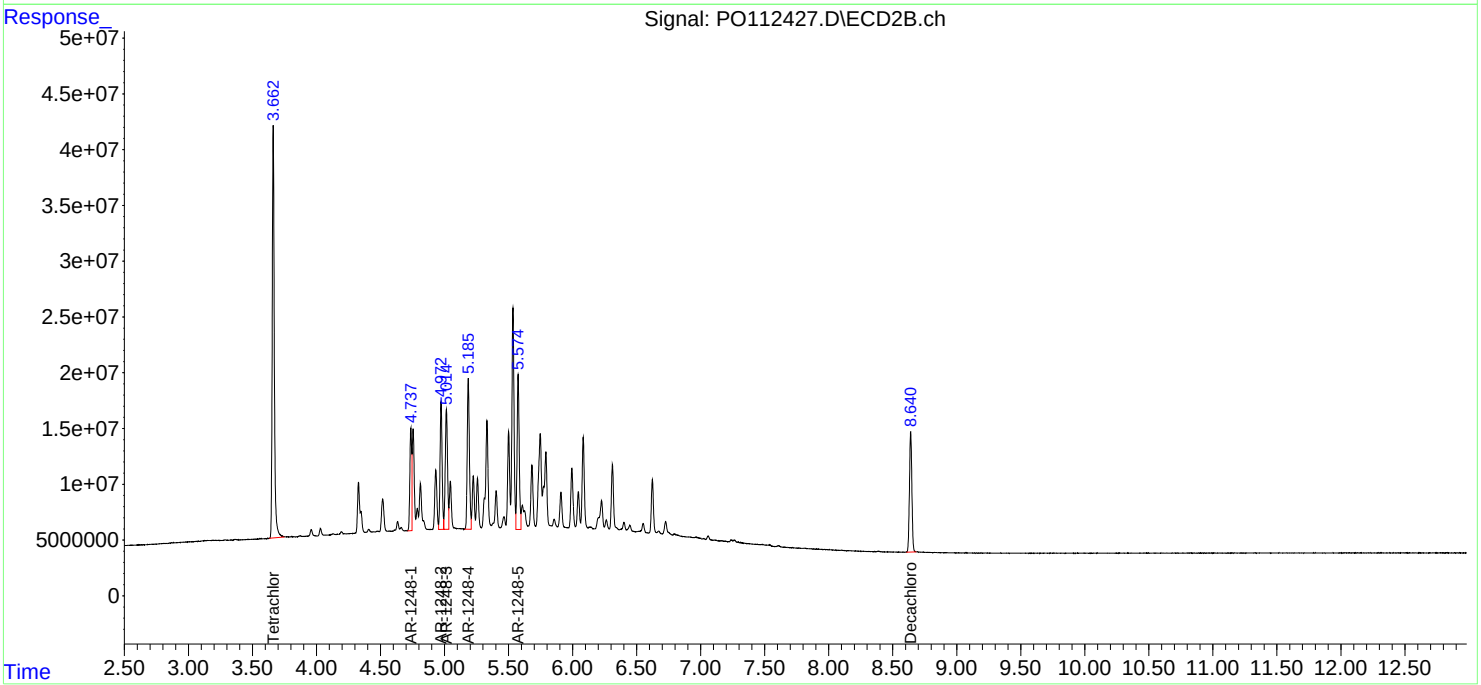
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:31
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:46:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:48
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.668	3.662	463.7E6	277.9E6	50.000	50.000
2)	SA Decachlor...	8.692	8.640	409.8E6	97058226	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	4.754	4.737	99182020	63417693	500.000	500.000
22)	L5 AR-1248-2	4.992	4.973	135.3E6	87923157	500.000	500.000
23)	L5 AR-1248-3	5.205	5.015	175.2E6	92259912	500.000	500.000
24)	L5 AR-1248-4	5.559	5.185	270.3E6	109.6E6	500.000	500.000
25)	L5 AR-1248-5	5.599	5.575	187.2E6	113.7E6	500.000	500.000

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

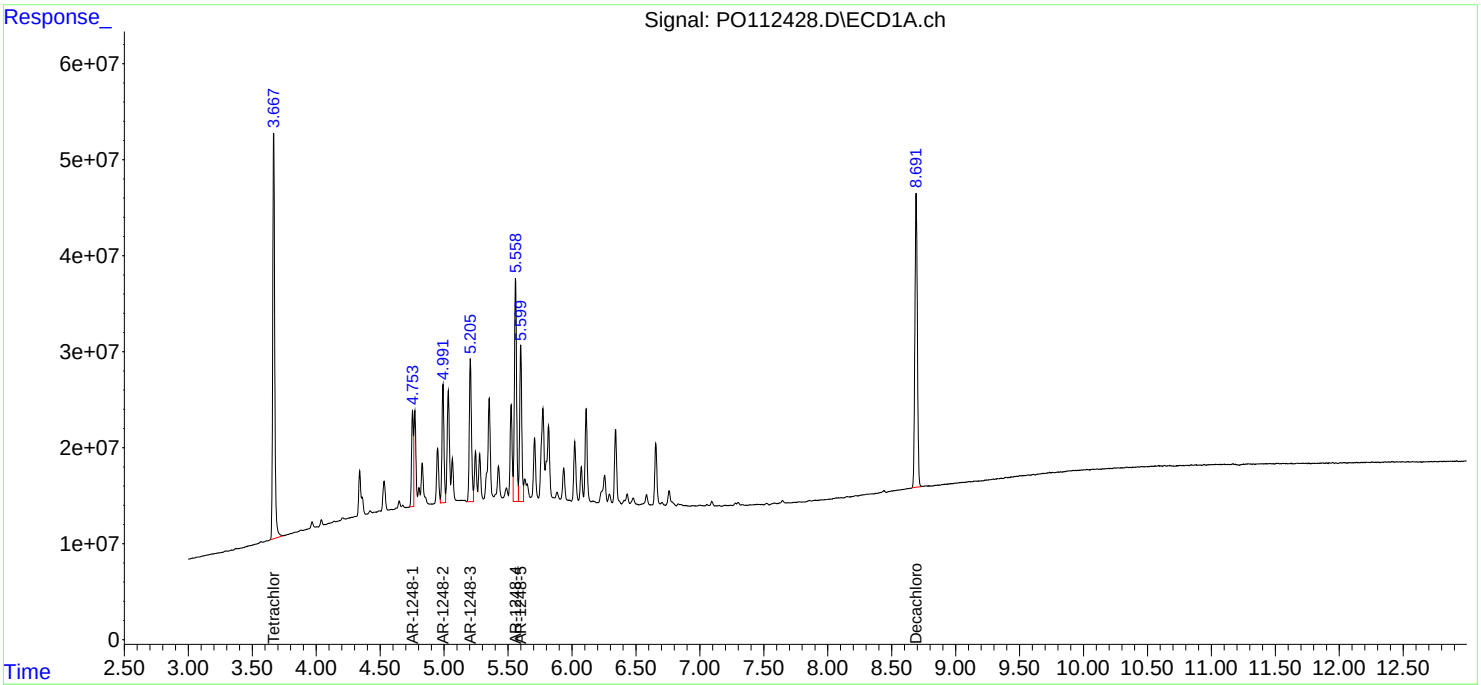
ICAL Form

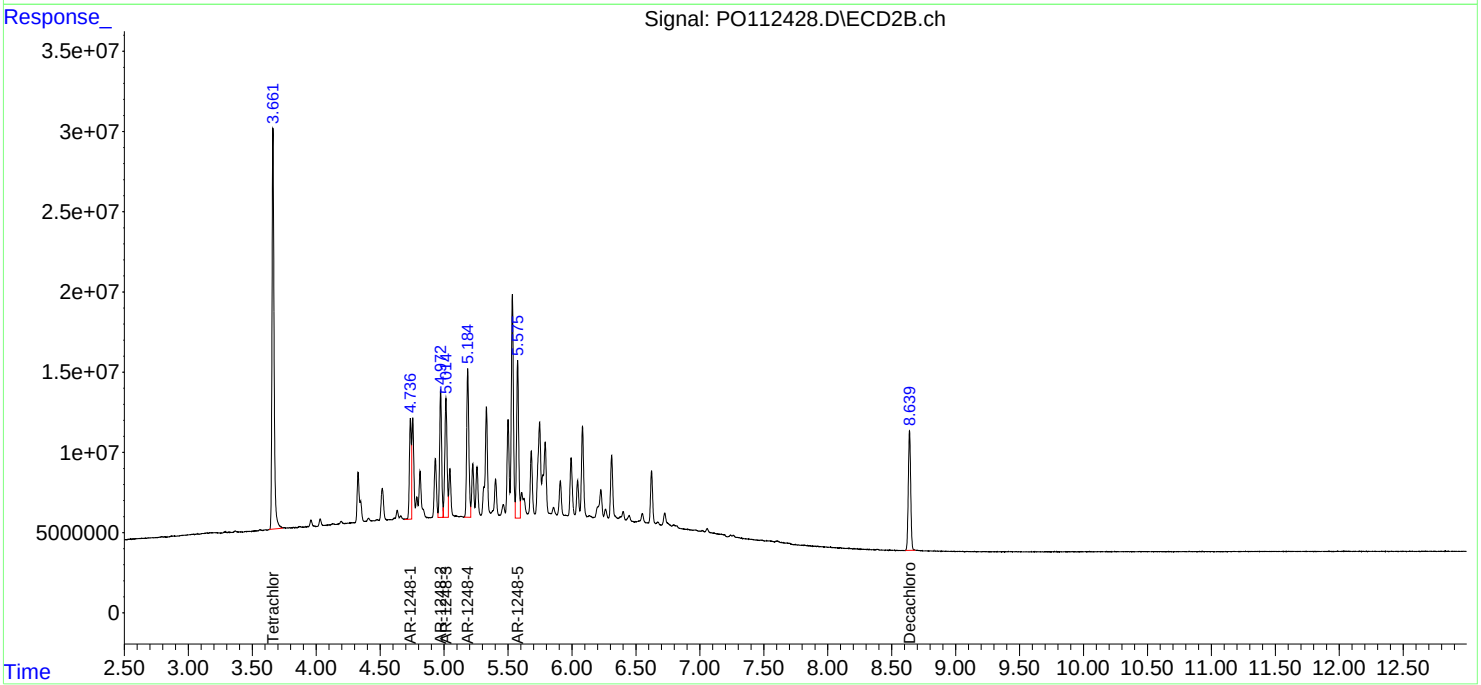
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:48
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:07
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:49:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	233.9E6	140.7E6	25.451	25.528
2)	SA Decachlor...	8.695	8.641	206.6E6	49551581	25.466	25.949
	Target Compounds						
21)	L5 AR-1248-1	4.756	4.738	50861384	33005549	259.321	265.423
22)	L5 AR-1248-2	4.994	4.974	69688118	46341566	259.932	267.919
23)	L5 AR-1248-3	5.208	5.016	91080155	48518478	262.621	266.773
24)	L5 AR-1248-4	5.561	5.186	140.9E6	57393073	264.543	266.380
25)	L5 AR-1248-5	5.602	5.576	98123360	60708613	265.809	271.777

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

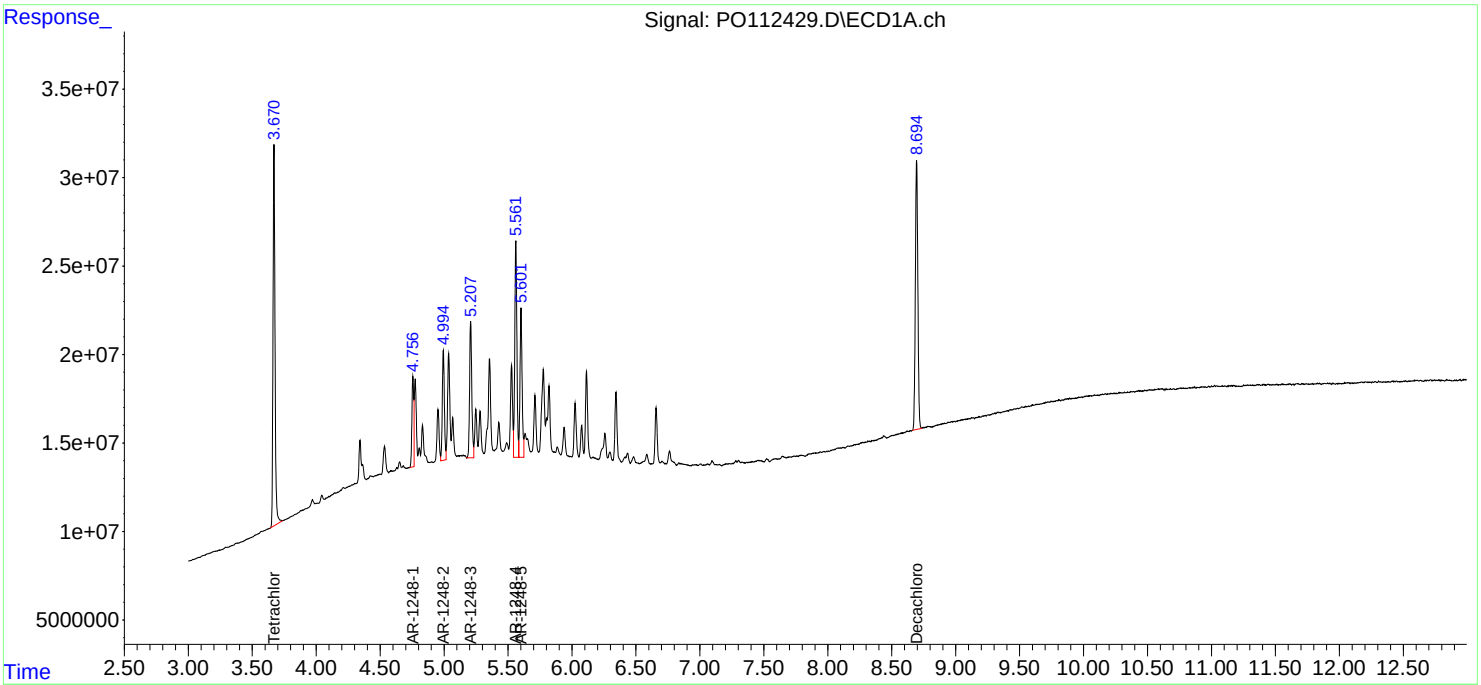
ICAL Form

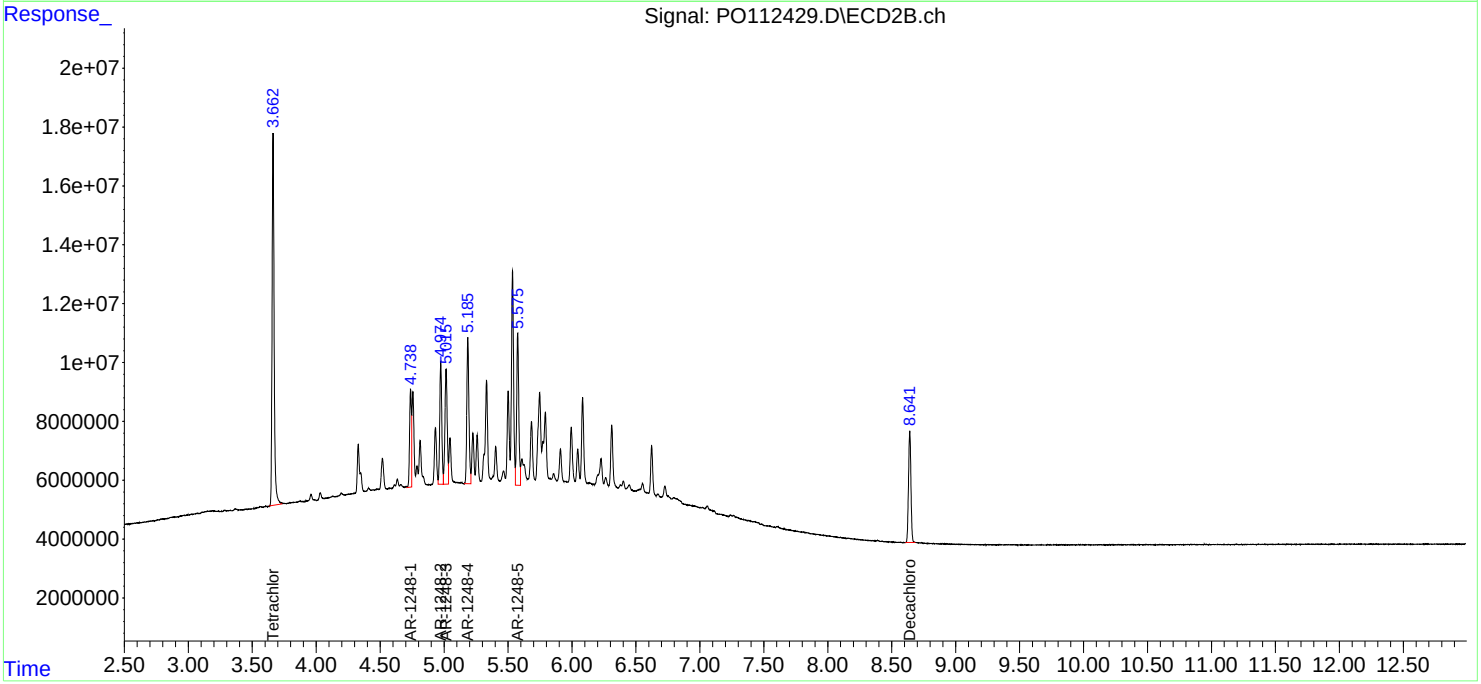
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:07
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:49:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:25
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:53:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	32837807	20886754	3.789	3.981
2)	SA Decachlor...	8.694	8.641	30716372	7585110	3.980	4.142
	Target Compounds						
21)	L5 AR-1248-1	4.757	4.738	7575656	5507226	40.466	45.323
22)	L5 AR-1248-2	4.995	4.973	10157901	7726264	39.817	45.642
23)	L5 AR-1248-3	5.208	5.015	16562795	8037448	48.190	45.244
24)	L5 AR-1248-4	5.561	5.185	20468723	8997535	40.302m	43.063m
25)	L5 AR-1248-5	5.602	5.575	13567669	9015964	38.853m	41.910m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:25
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

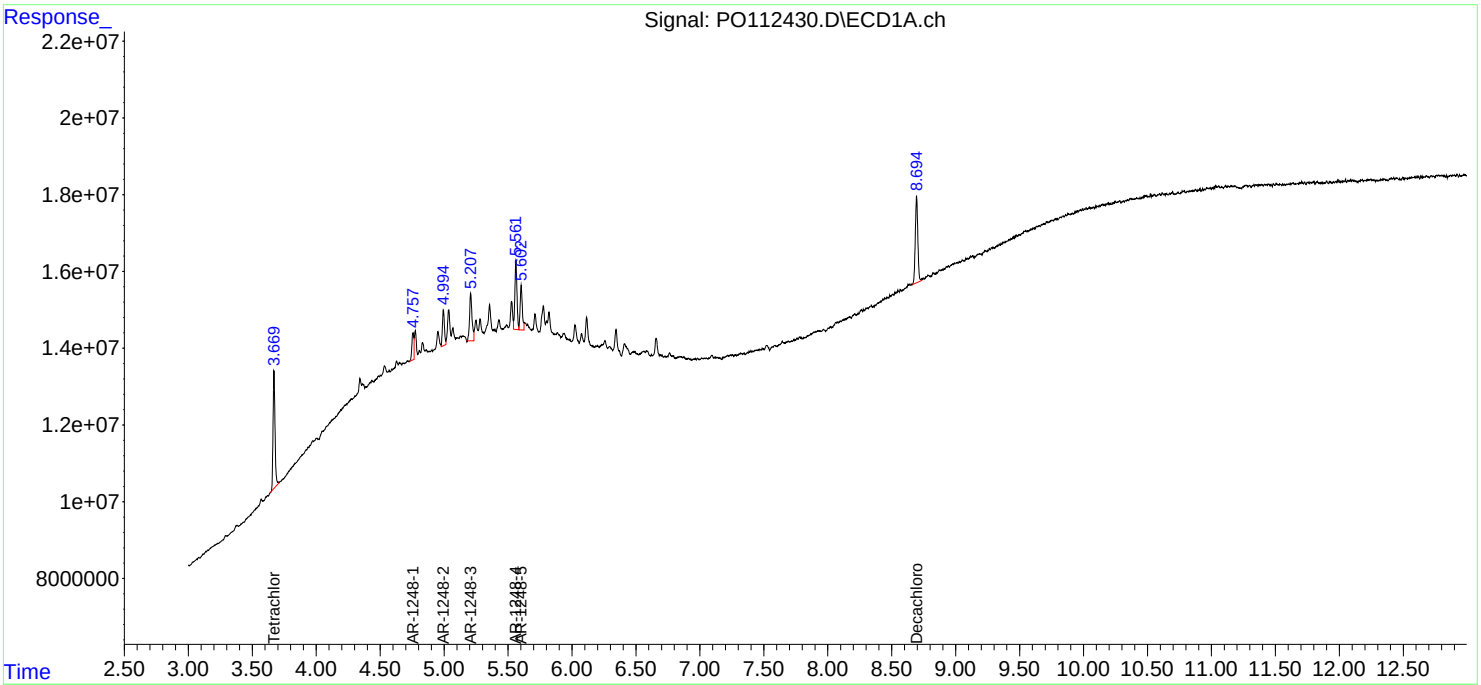
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

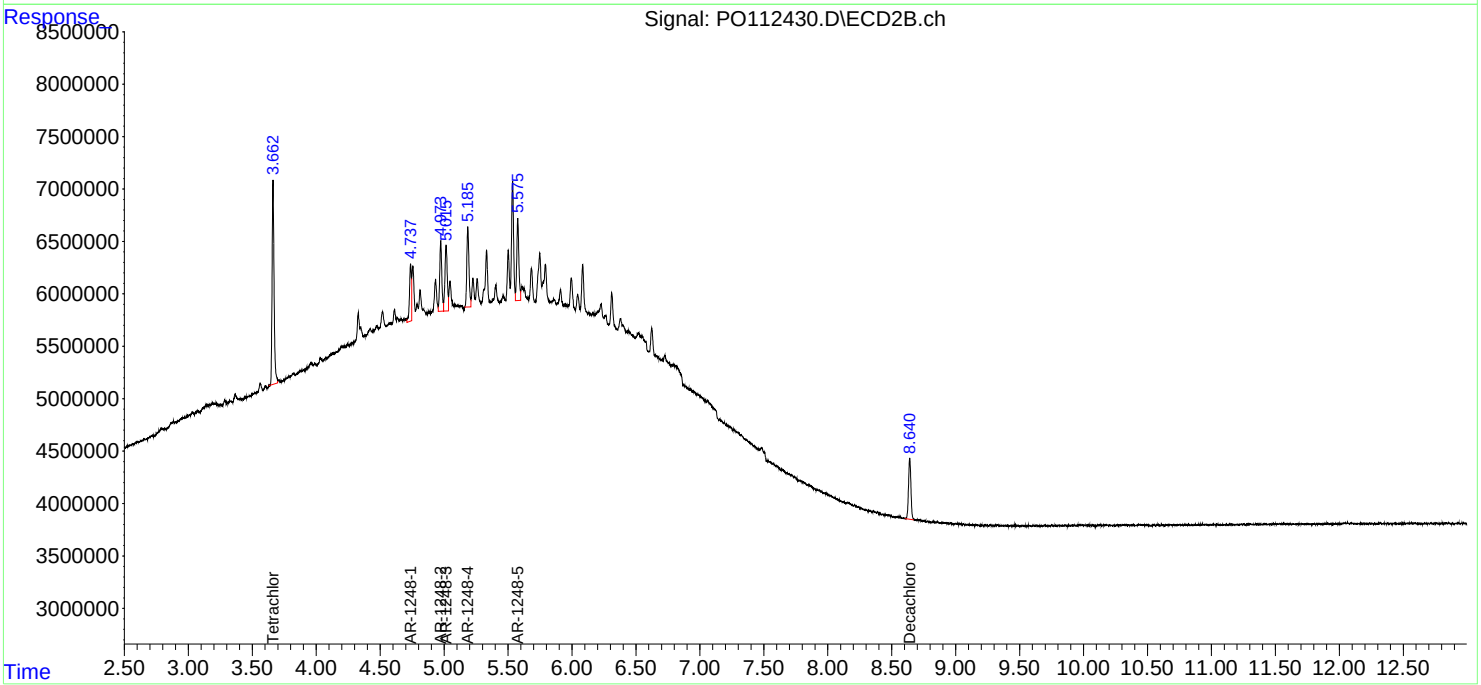
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 17:53:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:39:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:44
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:03:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	847.8E6	513.5E6	96.903	97.307
2)	SA Decachlor...	8.694	8.640	781.1E6	179.4E6	98.068	96.847
	Target Compounds						
26)	L6 AR-1254-1	5.561	5.535	525.2E6	308.1E6	960.812	951.975
27)	L6 AR-1254-2	5.710	5.682	467.4E6	269.6E6	964.863	954.131
28)	L6 AR-1254-3	6.114	6.083	736.7E6	411.6E6	972.647	961.979
29)	L6 AR-1254-4	6.343	6.311	537.3E6	257.0E6	969.374	958.799
30)	L6 AR-1254-5	6.762	6.727	713.2E6	324.9E6	982.240	968.098

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

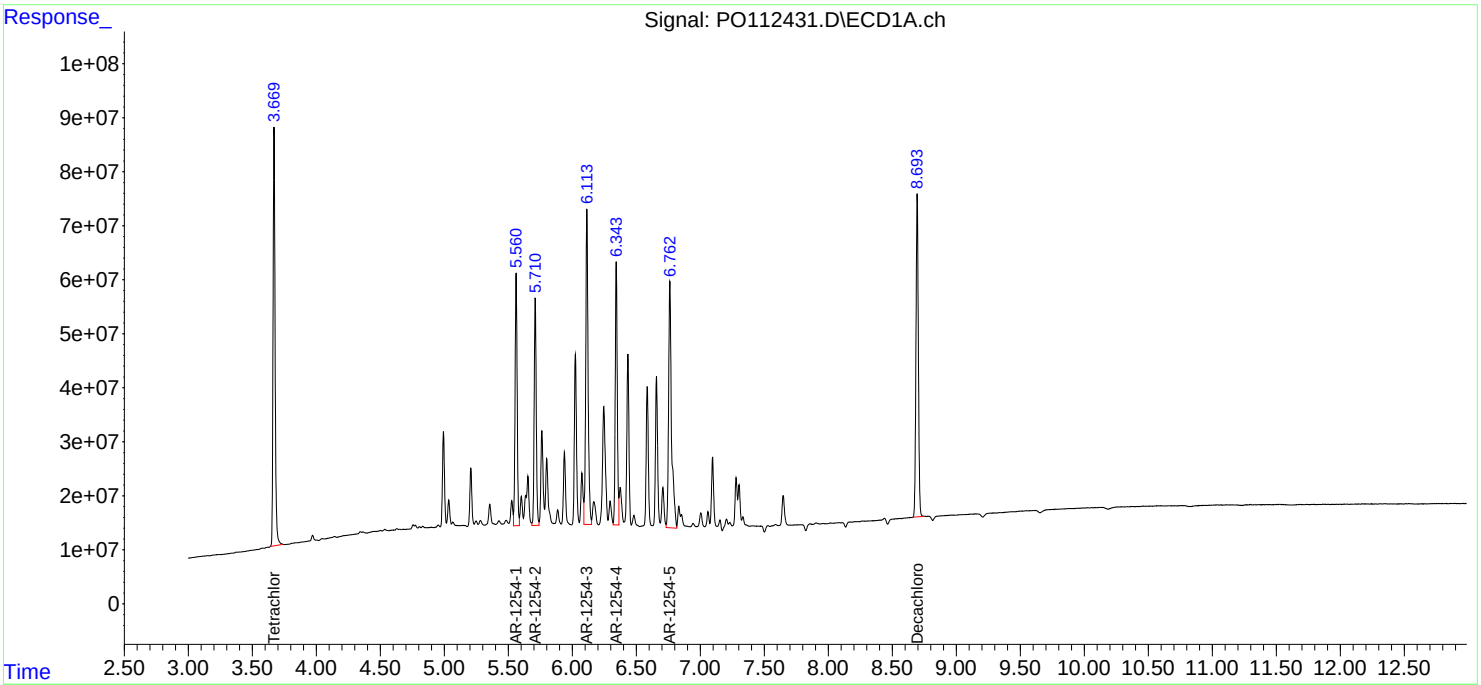
ICAL Form

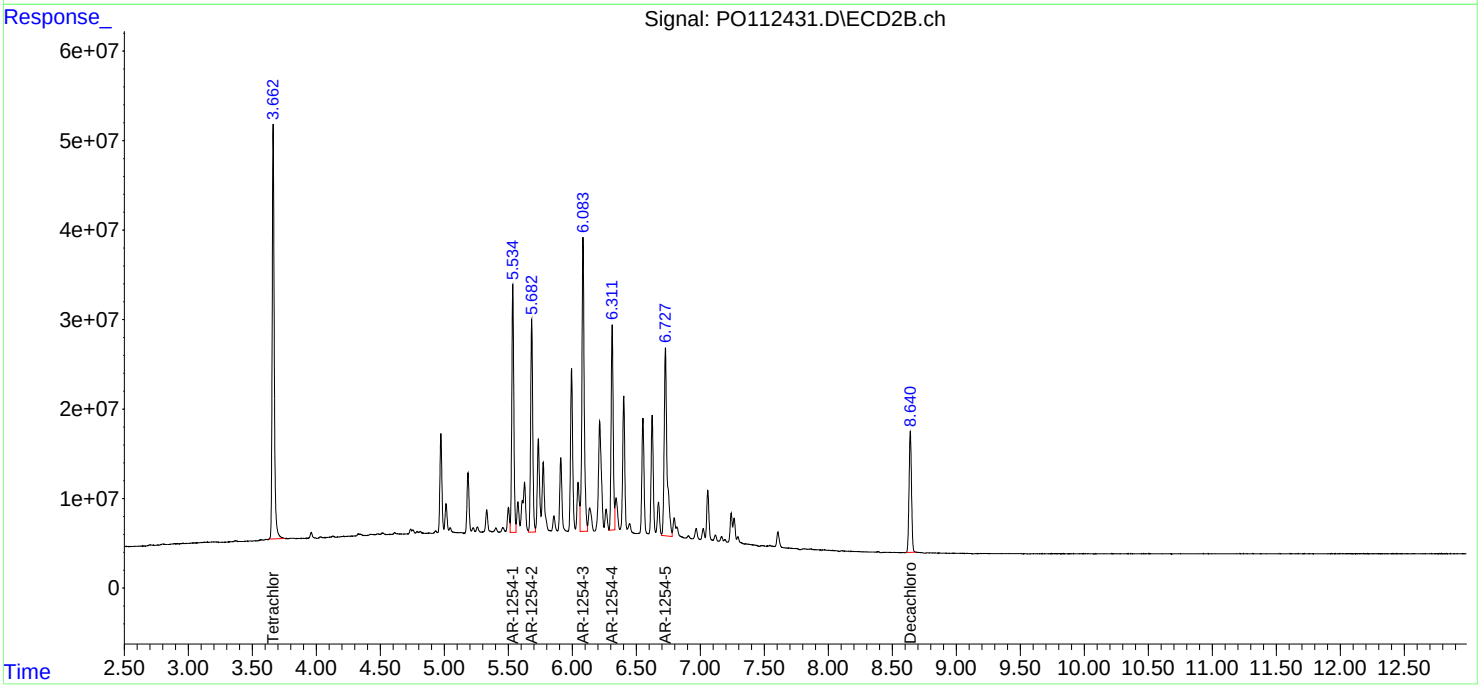
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:44
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:03:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:02
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:06:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	669.7E6	400.5E6	76.021	75.593
2)	SA Decachlor...	8.694	8.640	599.1E6	140.4E6	75.148	75.529
	Target Compounds						
26)	L6 AR-1254-1	5.561	5.535	413.9E6	243.4E6	754.780	751.497
27)	L6 AR-1254-2	5.710	5.683	367.7E6	212.6E6	756.007	751.562
28)	L6 AR-1254-3	6.113	6.084	574.0E6	320.7E6	755.243	749.688
29)	L6 AR-1254-4	6.343	6.311	420.4E6	202.4E6	755.625	753.323
30)	L6 AR-1254-5	6.762	6.728	547.0E6	250.4E6	752.271	747.398

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

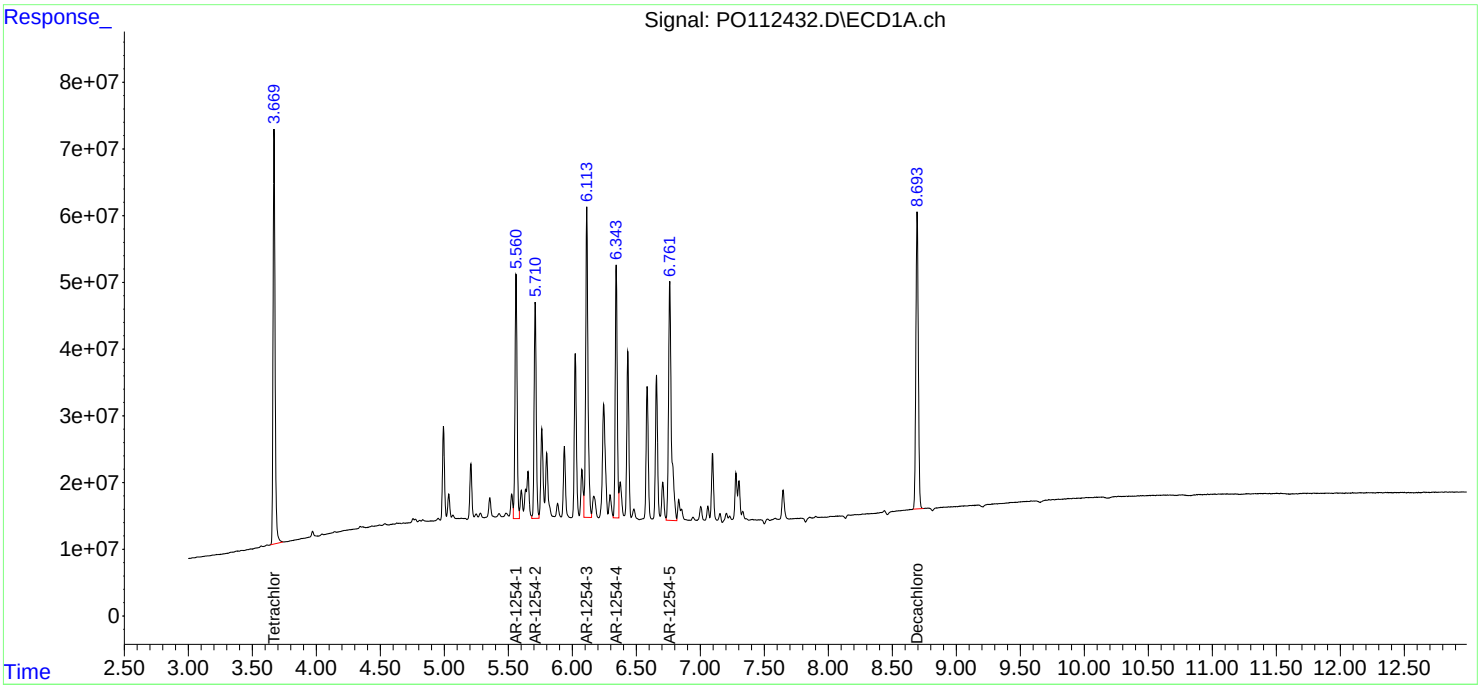
ICAL Form

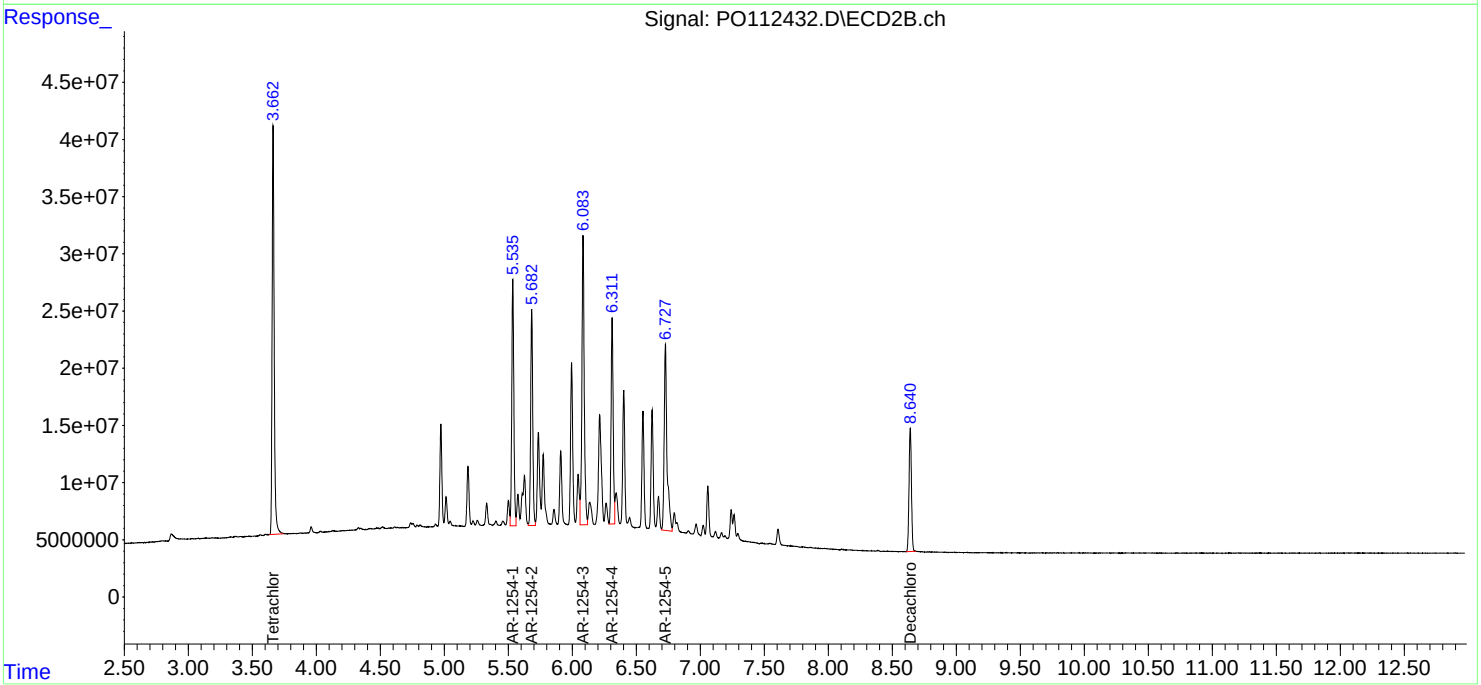
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:02
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:06:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:21
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:00:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	451.0E6	271.0E6	50.000	50.000
2)	SA Decachlor...	8.695	8.641	405.9E6	95544930	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	5.561	5.535	284.0E6	169.6E6	500.000	500.000
27)	L6 AR-1254-2	5.711	5.683	250.7E6	147.7E6	500.000	500.000
28)	L6 AR-1254-3	6.114	6.084	389.1E6	222.1E6	500.000	500.000
29)	L6 AR-1254-4	6.344	6.311	285.6E6	139.5E6	500.000	500.000
30)	L6 AR-1254-5	6.762	6.727	369.5E6	173.2E6	500.000	500.000

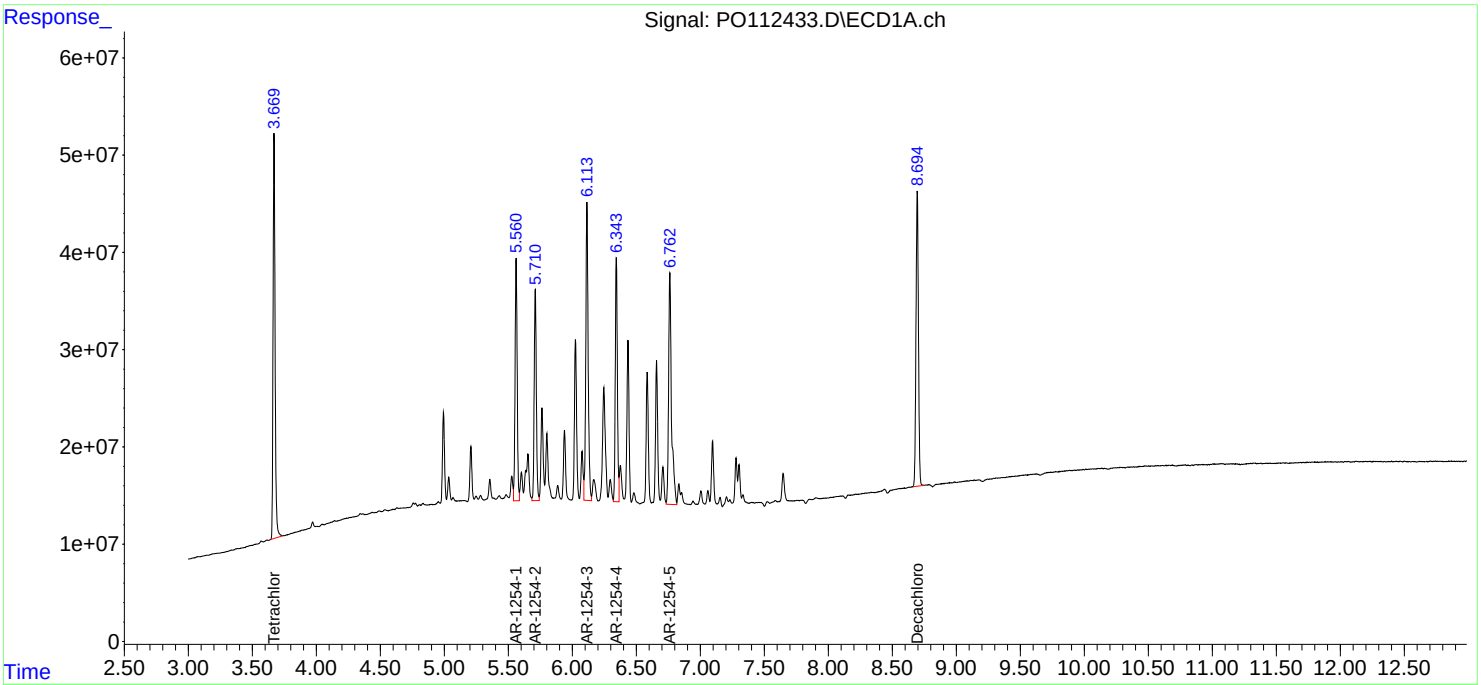
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

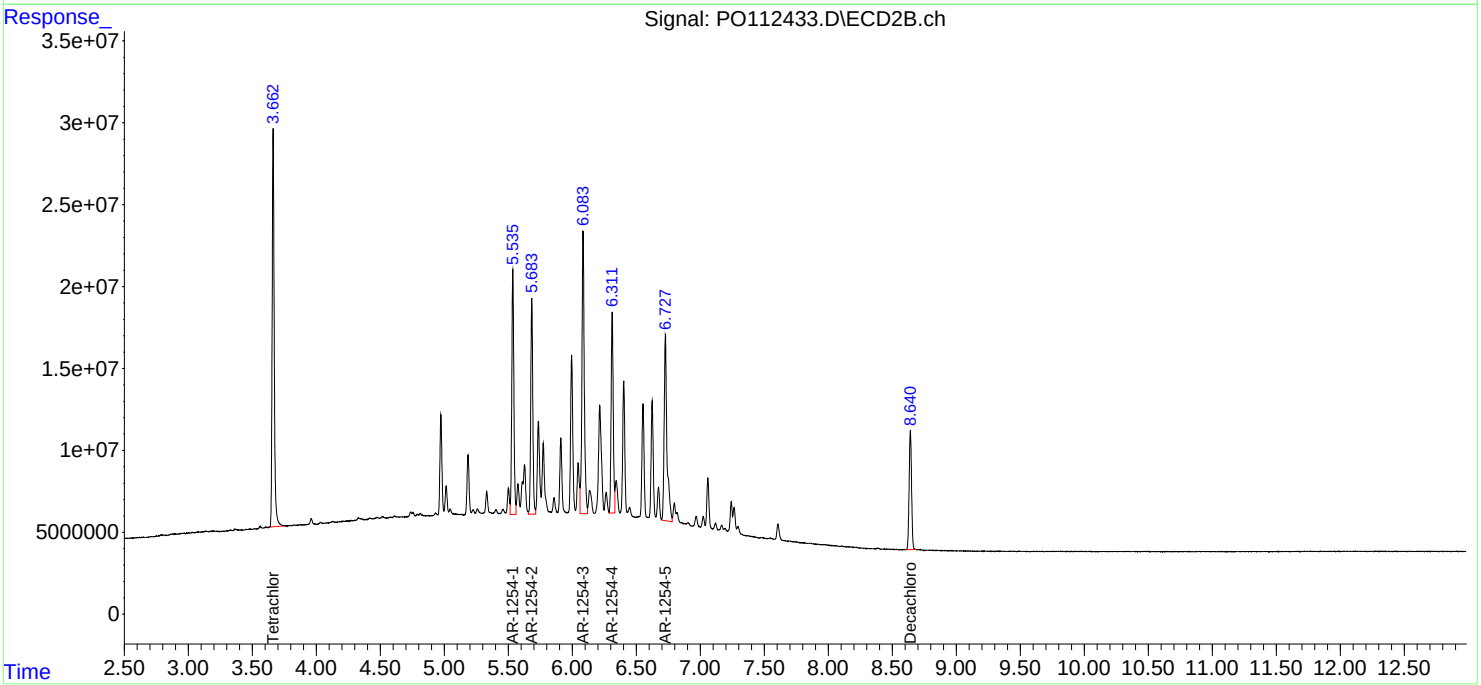
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:21
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:00:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:39
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:10:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.662	226.9E6	138.1E6	25.568	25.793
2)	SA Decachlor...	8.694	8.640	201.7E6	48700127	25.228	25.887
	Target Compounds						
26)	L6 AR-1254-1	5.561	5.534	149.8E6	90186516	266.972	270.708
27)	L6 AR-1254-2	5.709	5.682	132.8E6	79565133	266.923	272.772
28)	L6 AR-1254-3	6.113	6.083	197.0E6	115.6E6	256.833	264.830
29)	L6 AR-1254-4	6.343	6.311	143.1E6	71723033	255.366	262.540
30)	L6 AR-1254-5	6.761	6.727	186.0E6	89336234	254.281	262.279

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

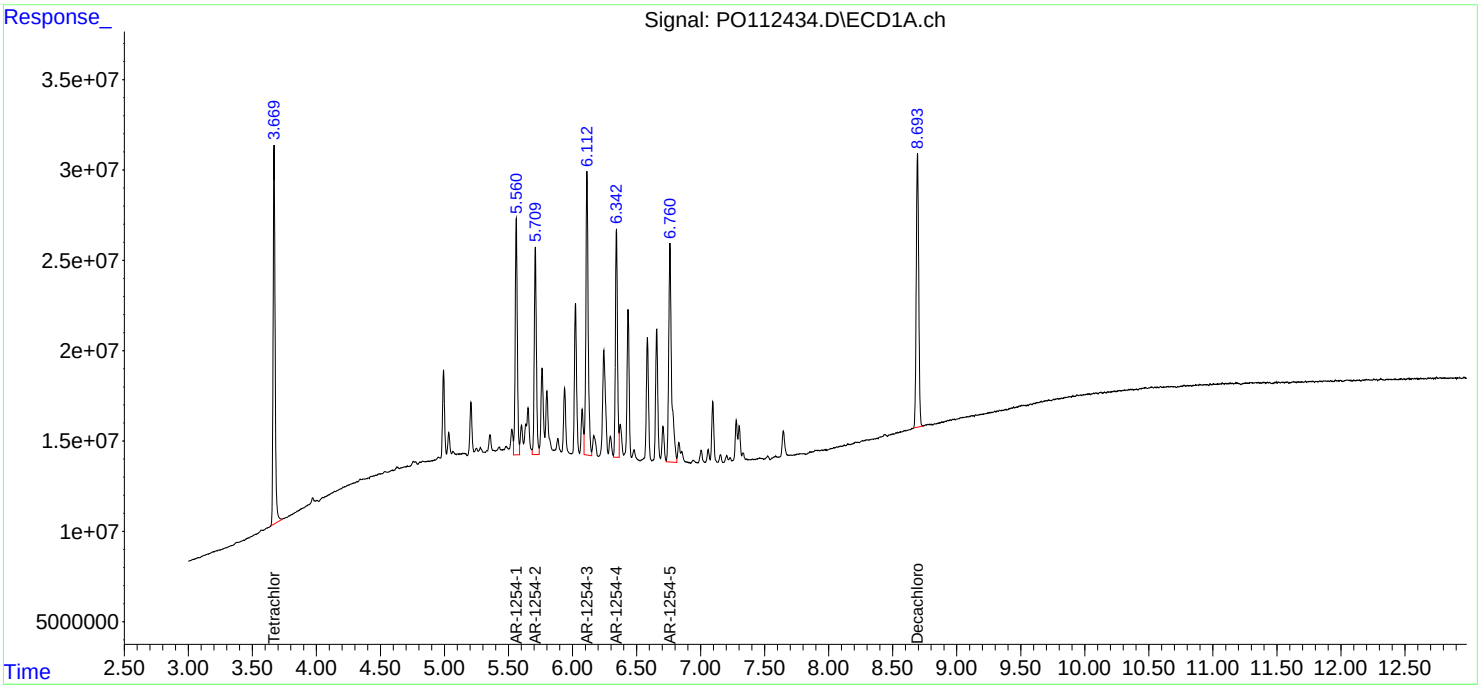
ICAL Form

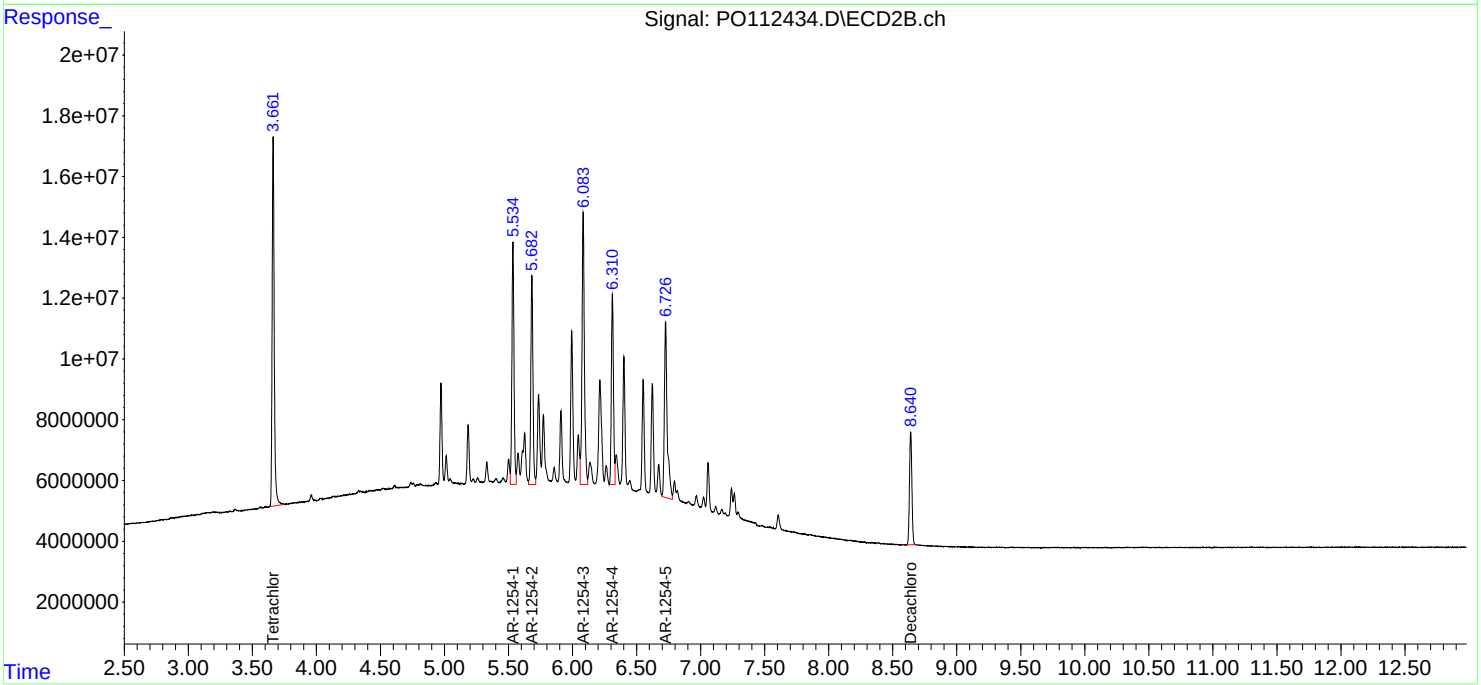
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:39
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:10:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:57
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:14:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.661	35024549	22021040	4.120	4.264
2)	SA Decachlor...	8.694	8.640	31608253	7869748	4.125	4.324
	Target Compounds						
26)	L6 AR-1254-1	5.560	5.534	25025407	15525110	45.951m	47.285m
27)	L6 AR-1254-2	5.710	5.682	21962545	14034521	45.717m	48.955m
28)	L6 AR-1254-3	6.114	6.082	32662856	19574397	43.885	45.822m
29)	L6 AR-1254-4	6.344	6.311	25352878	13603049	46.121	50.646
30)	L6 AR-1254-5	6.762	6.726	30690471	15381815	43.359	46.051

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:57
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

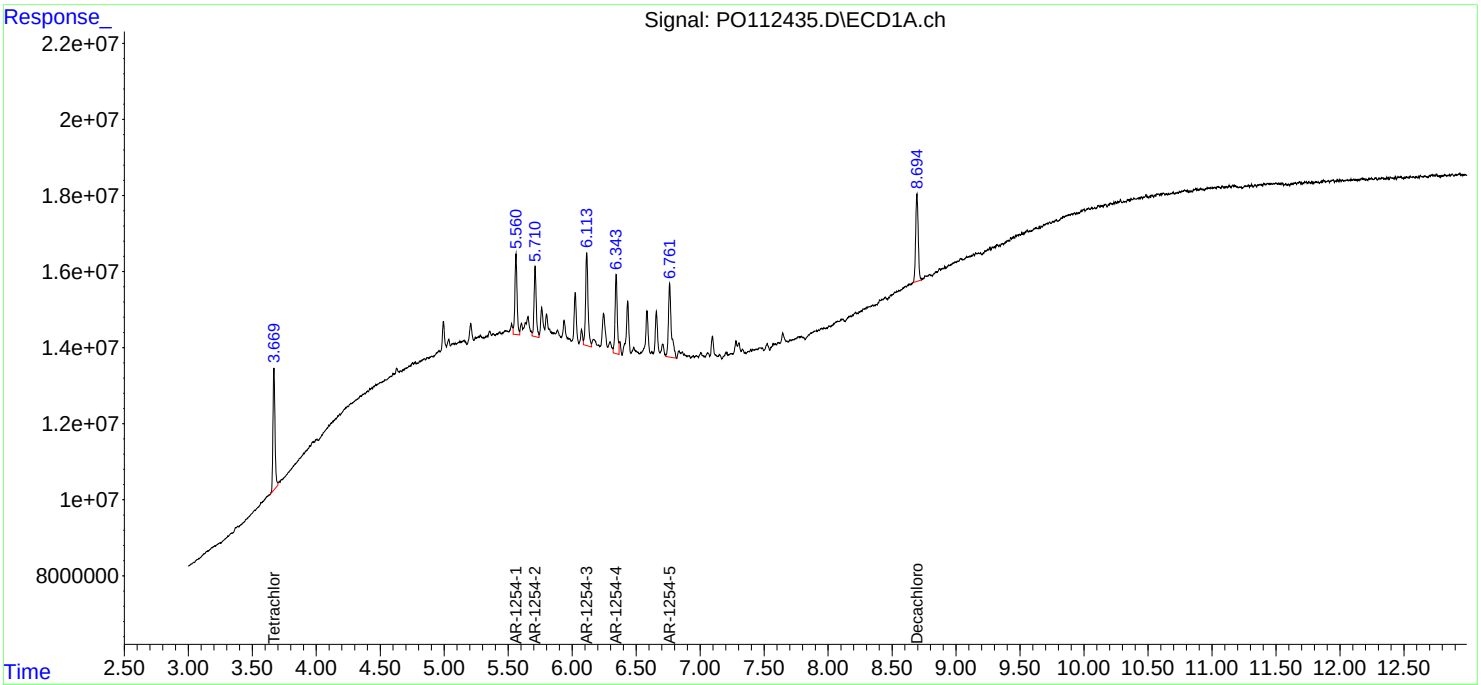
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

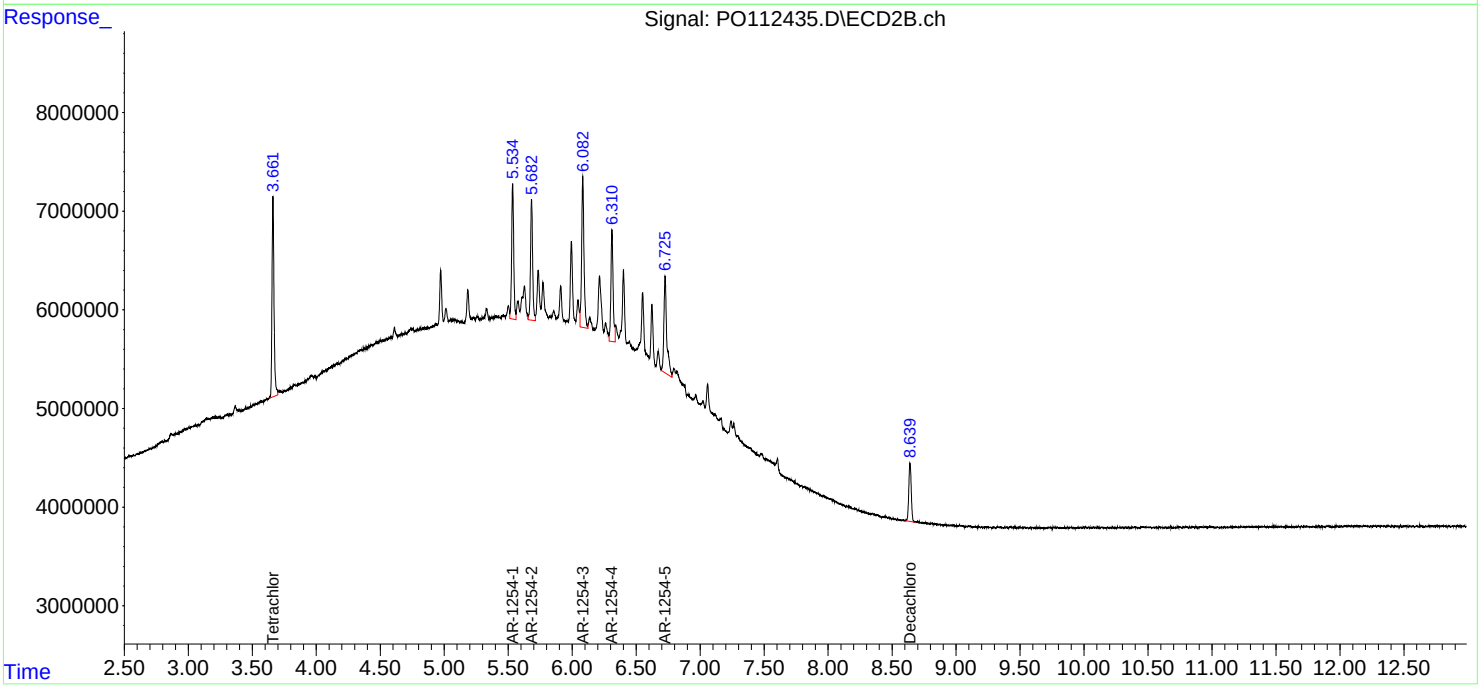
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 18:14:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 17:59:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:16
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:23:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:22:29 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...	3.670	3.663	431.0E6	259.6E6	50.000	50.000
2)	SA Decachlor...	8.695	8.640	390.0E6	91817563	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	6.801	6.766	464.6E6	207.4E6	500.000	500.000
37)	L8 AR-1262-2	7.303	7.265	743.5E6	257.8E6	500.000	500.000
38)	L8 AR-1262-3	7.586	7.546	295.1E6	93262624	500.000	500.000
39)	L8 AR-1262-4	7.650	7.611	497.1E6	144.1E6	500.000	500.000
40)	L8 AR-1262-5	8.146	8.103	217.0E6	49751686	500.000	500.000

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

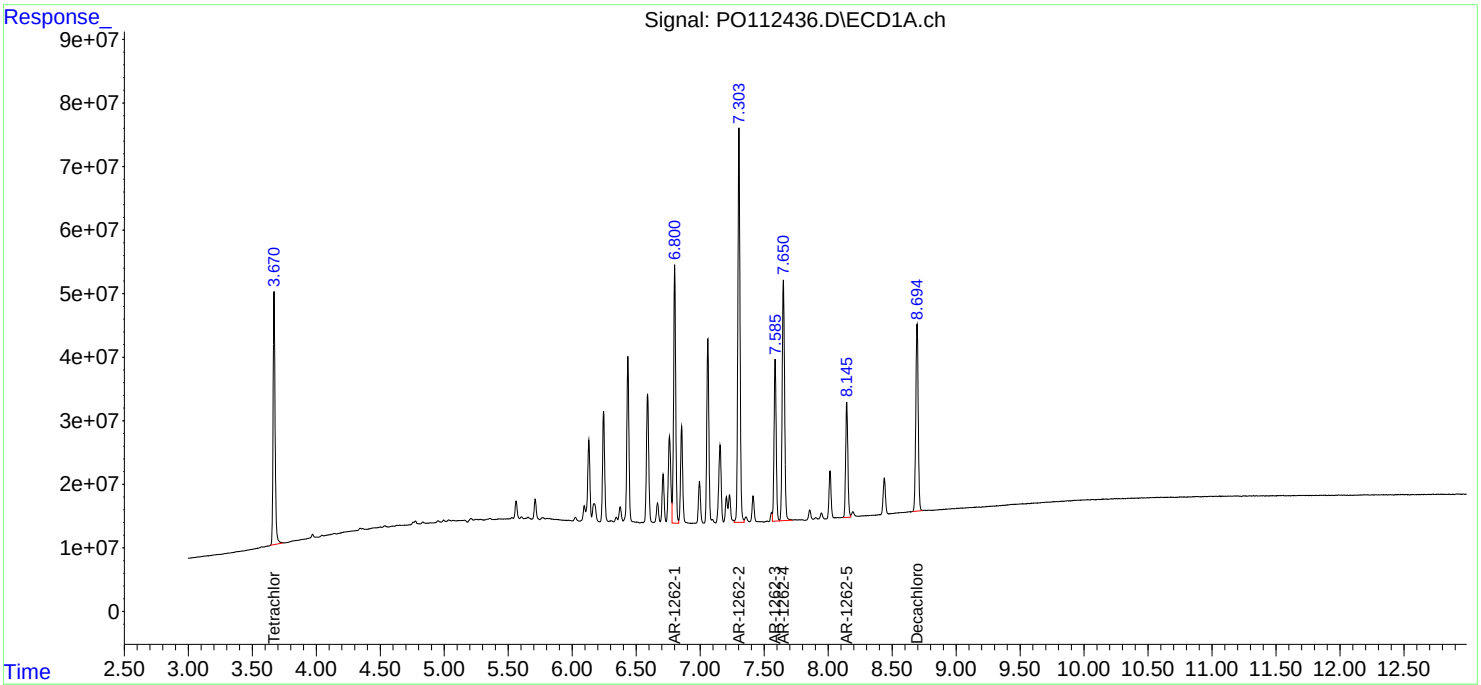
ICAL Form

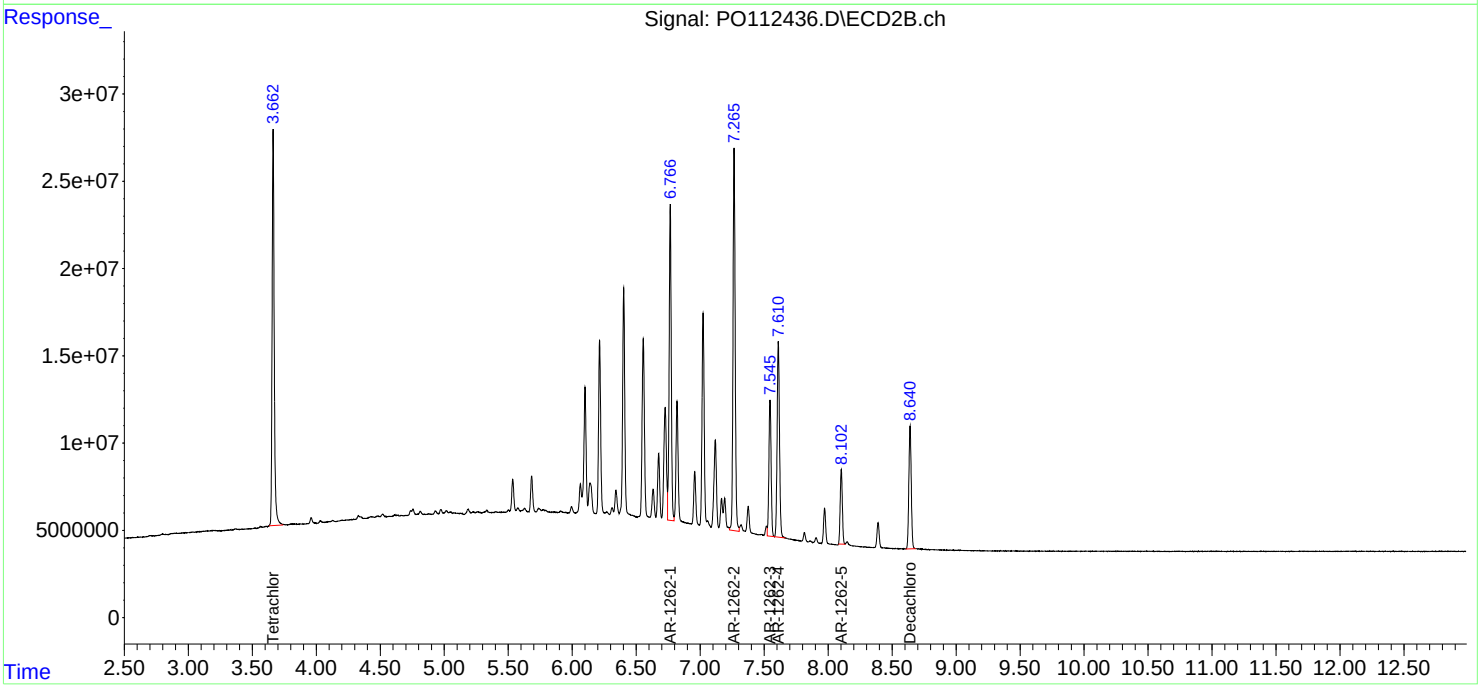
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:16
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:23:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:22:29 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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:34
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:26:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	891.6E6	532.6E6	96.171	96.108
2)	SA Decachlor...	8.695	8.642	1453.9E6	322.4E6	98.386	96.213
	Target Compounds						
41)	L9 AR-1268-1	7.587	7.547	1805.2E6	514.6E6	975.507	965.897
42)	L9 AR-1268-2	7.652	7.613	1523.8E6	421.6E6	977.268	965.543
43)	L9 AR-1268-3	7.858	7.817	1298.6E6	318.8E6	974.006	962.314
44)	L9 AR-1268-4	8.147	8.103	502.3E6	111.5E6	976.399	971.430
45)	L9 AR-1268-5	8.440	8.392	3537.9E6	742.7E6	993.352	978.791

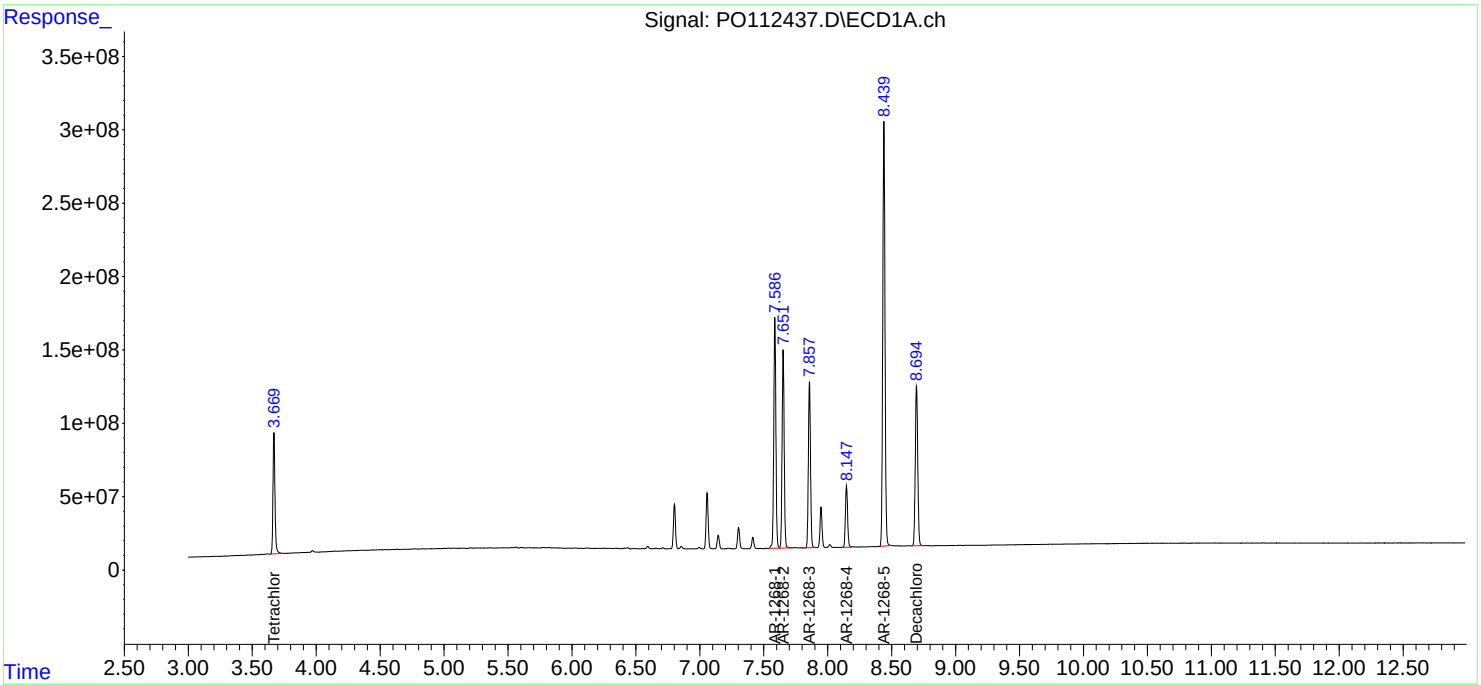
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

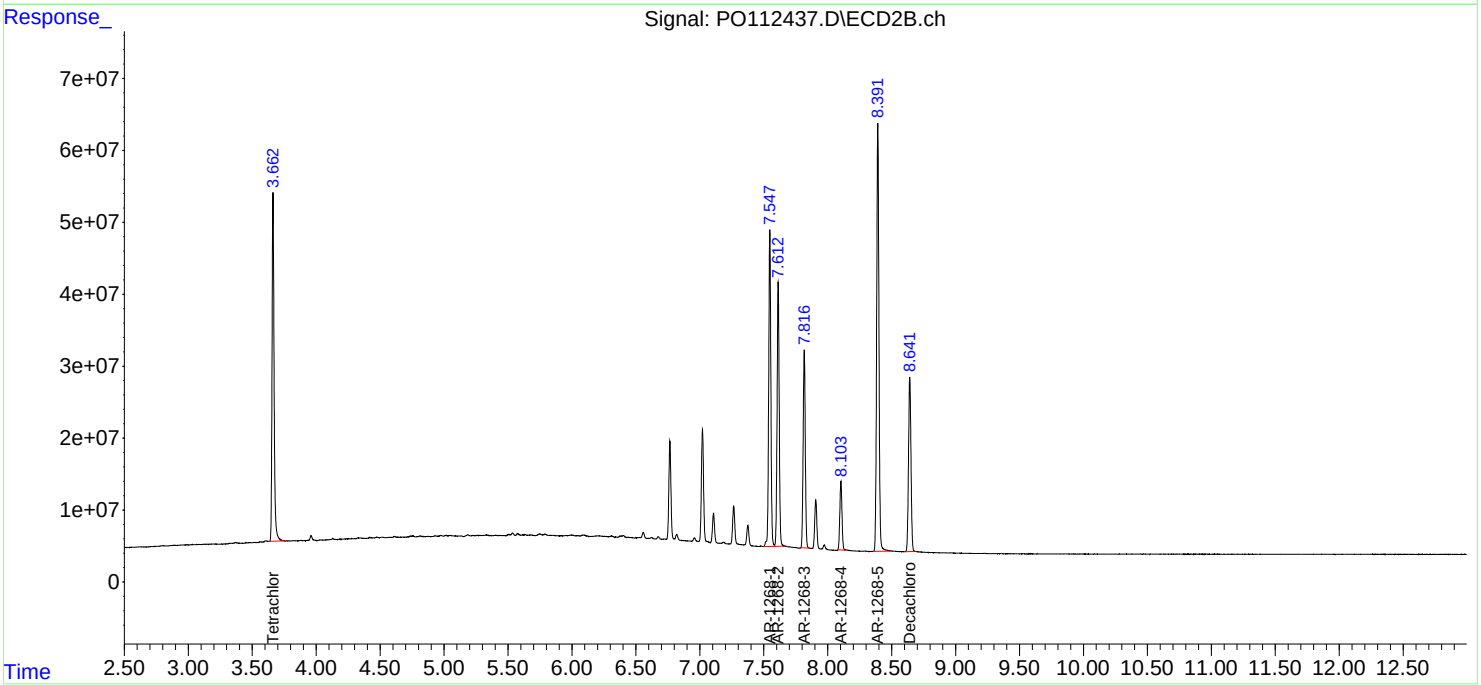
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:34
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:26:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:53
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:27:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	692.2E6	413.4E6	74.664	74.591
2)	SA Decachlor...	8.695	8.641	1101.3E6	247.6E6	74.526	73.871
	Target Compounds						
41)	L9 AR-1268-1	7.586	7.547	1377.7E6	387.5E6	744.484	727.418
42)	L9 AR-1268-2	7.652	7.613	1161.1E6	319.5E6	744.679	731.710
43)	L9 AR-1268-3	7.857	7.816	987.1E6	243.4E6	740.359	734.748
44)	L9 AR-1268-4	8.147	8.103	386.4E6	86779378	751.011	755.940
45)	L9 AR-1268-5	8.439	8.391	2676.6E6	567.6E6	751.521	747.952

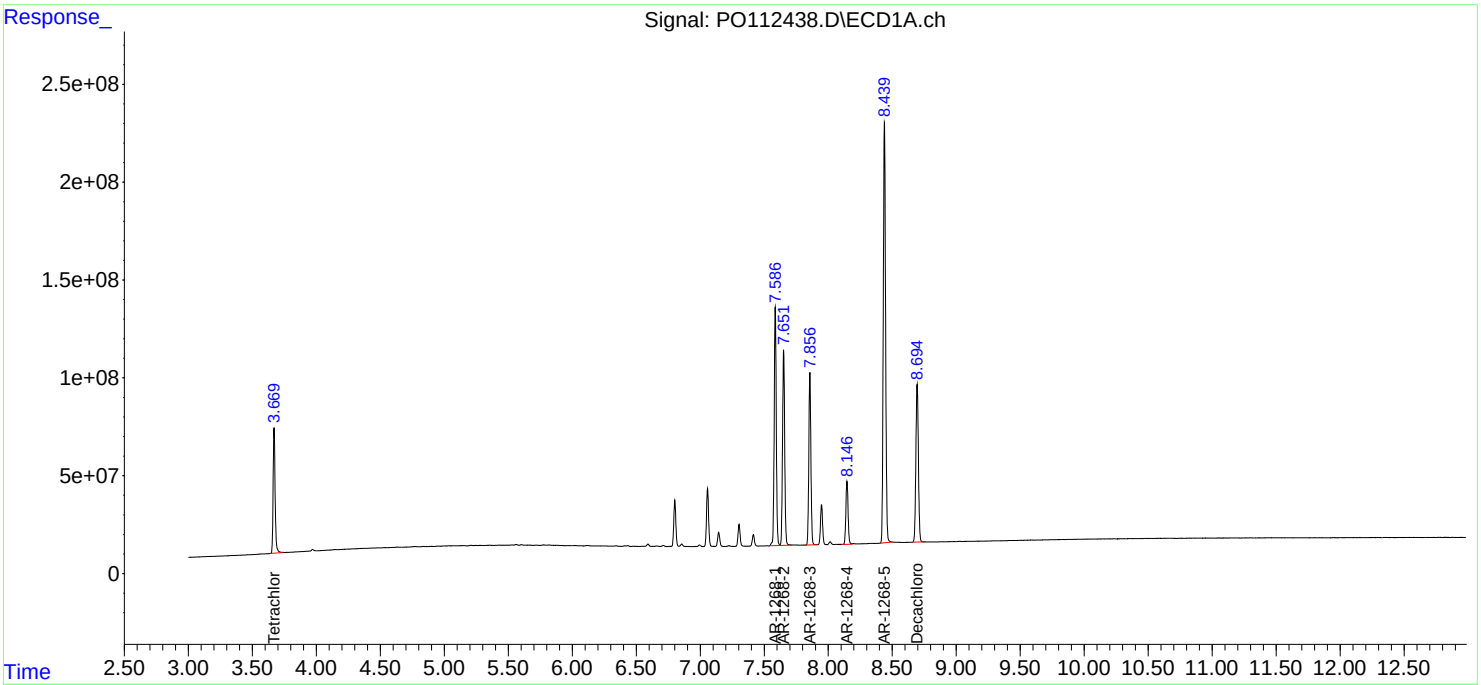
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

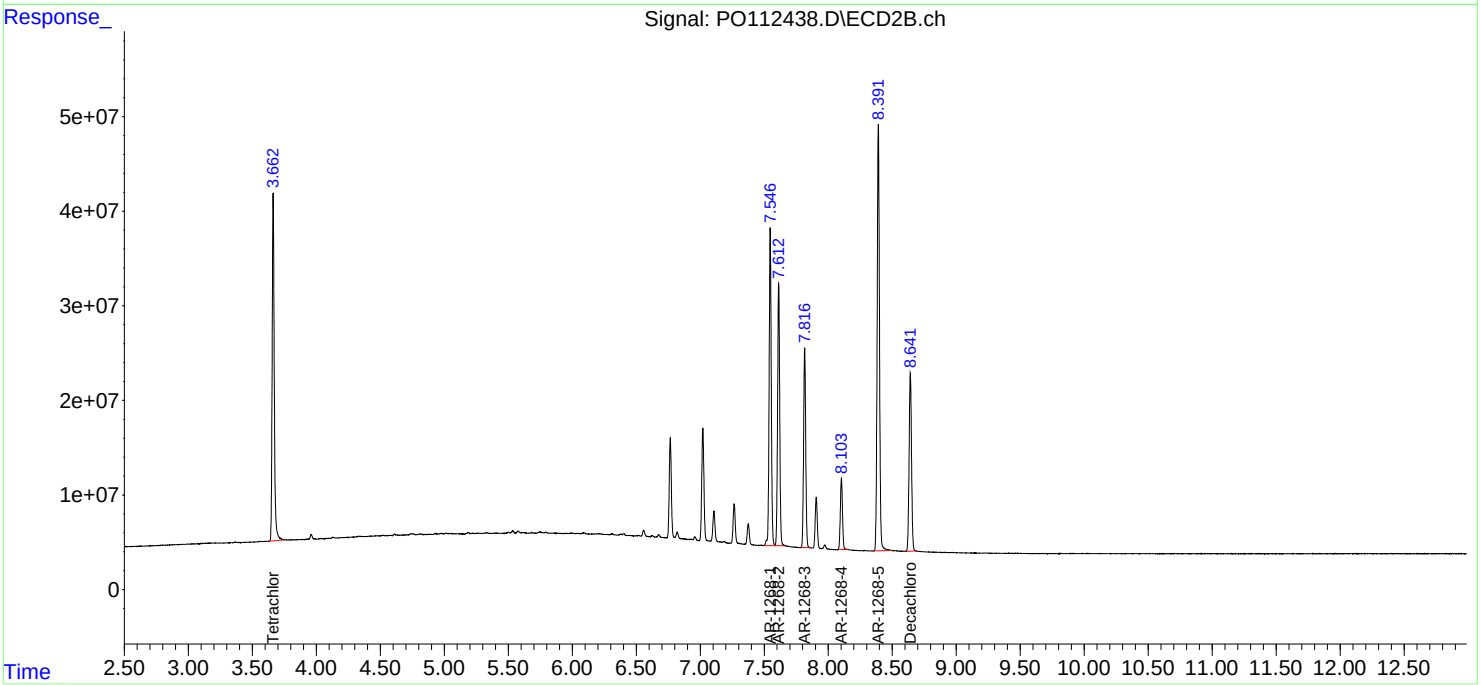
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:53
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:27:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:11
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.661	463.6E6	277.1E6	50.000	50.000
2)	SA Decachlor...	8.695	8.641	738.9E6	167.6E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	7.586	7.546	925.3E6	266.4E6	500.000	500.000
42)	L9 AR-1268-2	7.652	7.611	779.6E6	218.3E6	500.000	500.000
43)	L9 AR-1268-3	7.857	7.816	666.6E6	165.6E6	500.000	500.000
44)	L9 AR-1268-4	8.146	8.103	257.2E6	57398296	500.000	500.000
45)	L9 AR-1268-5	8.439	8.391	1780.8E6	379.4E6	500.000	500.000

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

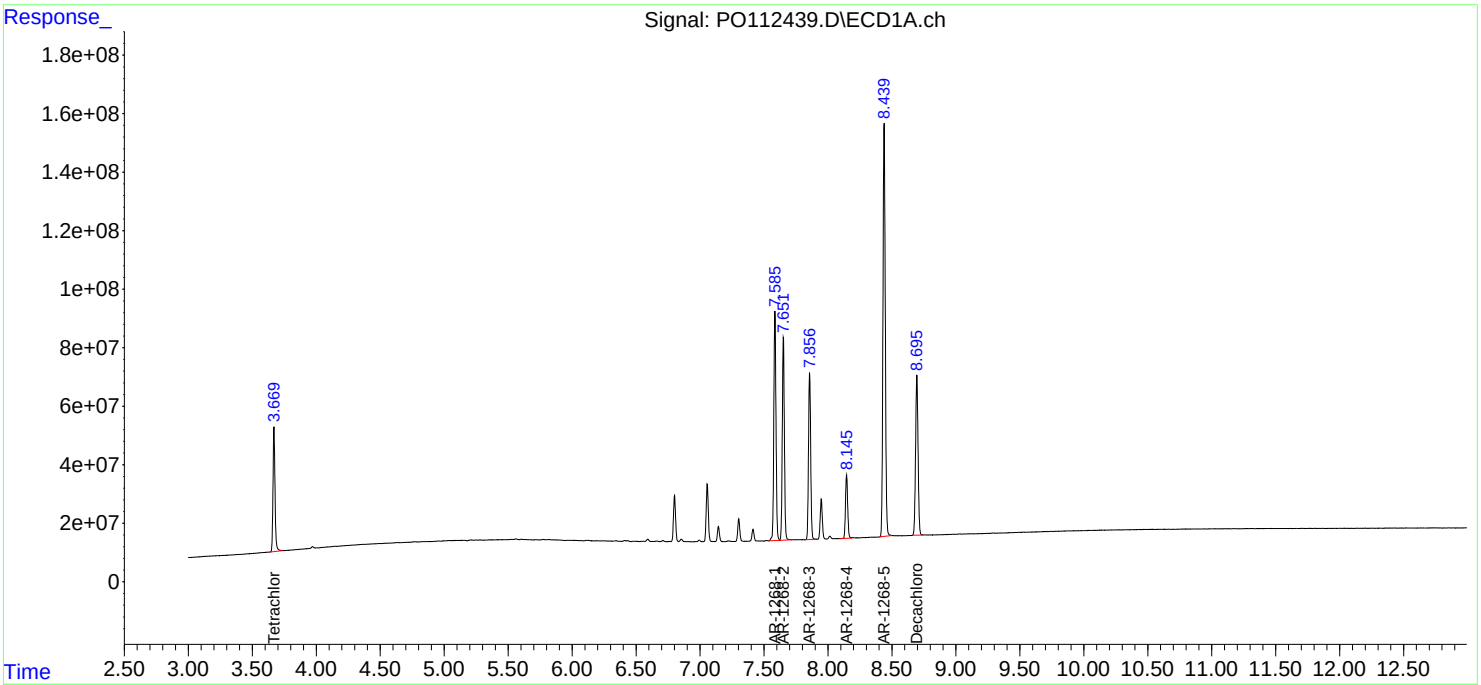
ICAL Form

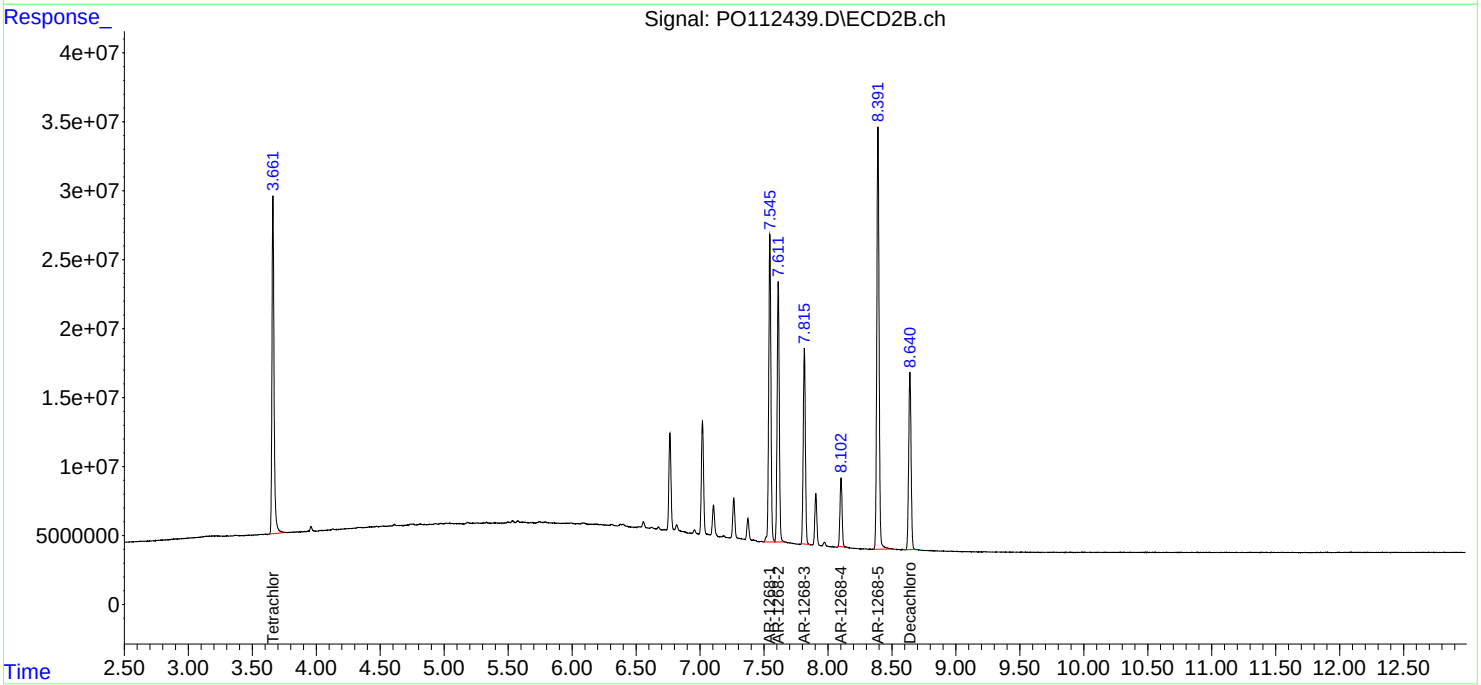
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:11
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:28
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:27:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.668	3.663	233.9E6	141.8E6	25.226	25.590
2)	SA Decachlor...	8.693	8.640	370.0E6	87026360	25.041	25.967
	Target Compounds						
41)	L9 AR-1268-1	7.584	7.546	463.2E6	137.9E6	250.297	258.785
42)	L9 AR-1268-2	7.649	7.611	391.7E6	113.6E6	251.211	260.244
43)	L9 AR-1268-3	7.855	7.815	332.3E6	86494420	249.235	261.122
44)	L9 AR-1268-4	8.144	8.102	129.0E6	30404180	250.733	264.853
45)	L9 AR-1268-5	8.438	8.390	884.1E6	195.1E6	248.250	257.124

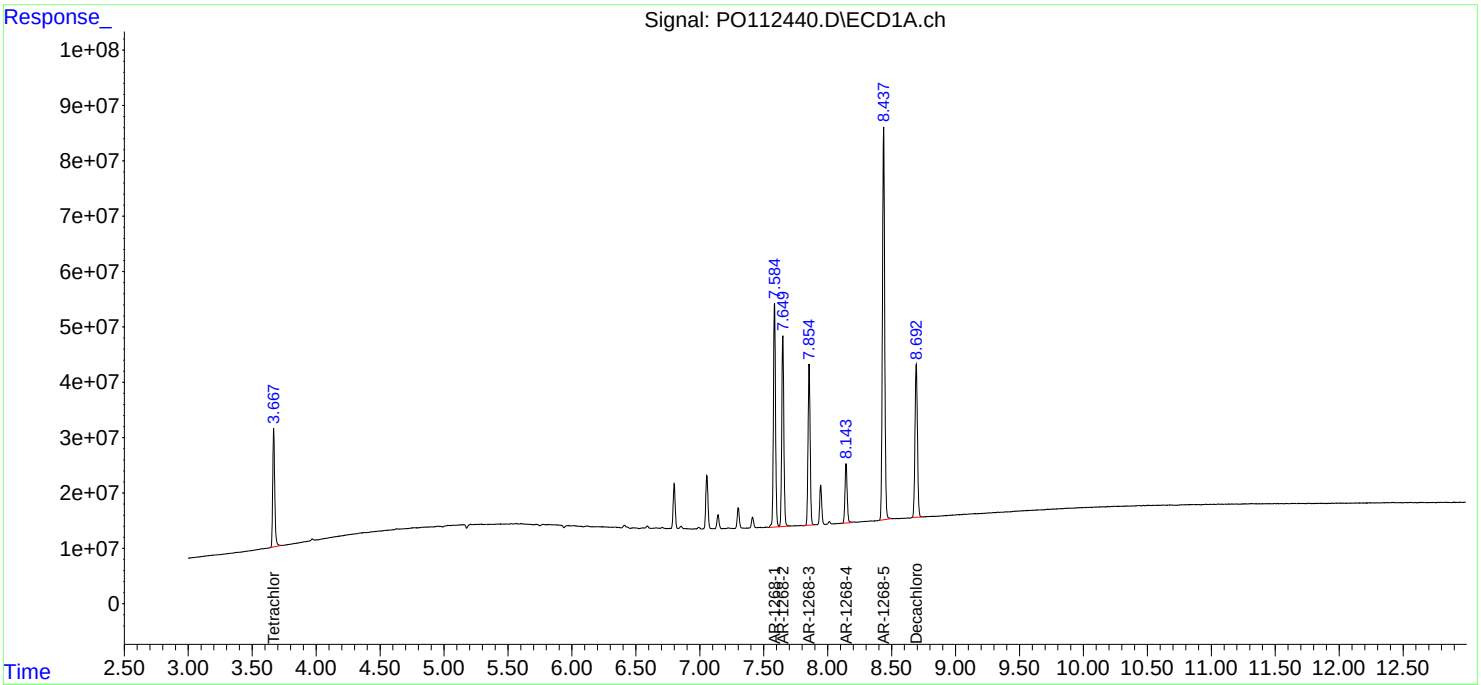
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

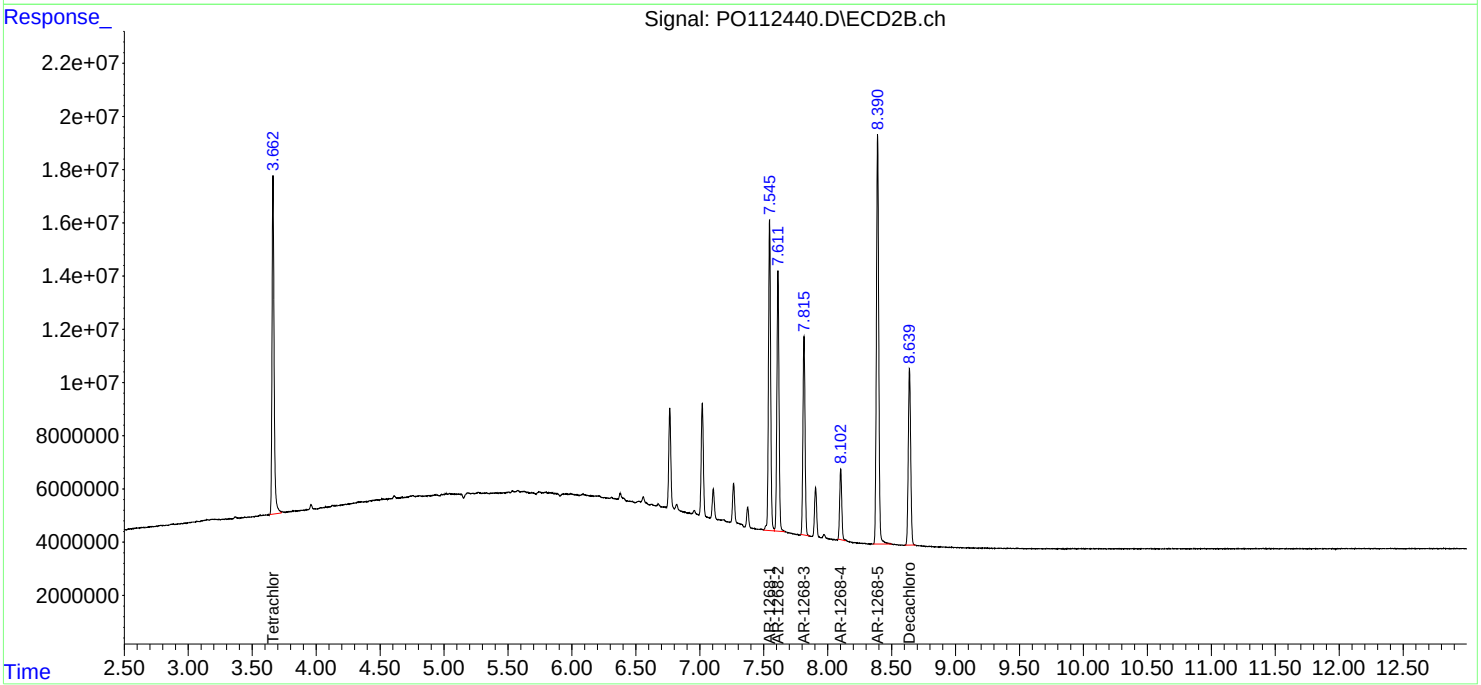
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:28
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:27:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:47
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:27:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	32580103	20954895	3.514	3.781
2)	SA Decachlor...	8.695	8.641	54814922	13633947	3.709	4.068
	Target Compounds						
41)	L9 AR-1268-1	7.587	7.546	70515596	23692896	38.106	44.474
42)	L9 AR-1268-2	7.653	7.612	58352509	19332274	37.423	44.277
43)	L9 AR-1268-3	7.857	7.816	49192646	14292573	36.896	43.148
44)	L9 AR-1268-4	8.148	8.103	18069640	4642090	35.123	40.438
45)	L9 AR-1268-5	8.441	8.391	129.1E6	30999751	36.236	40.853

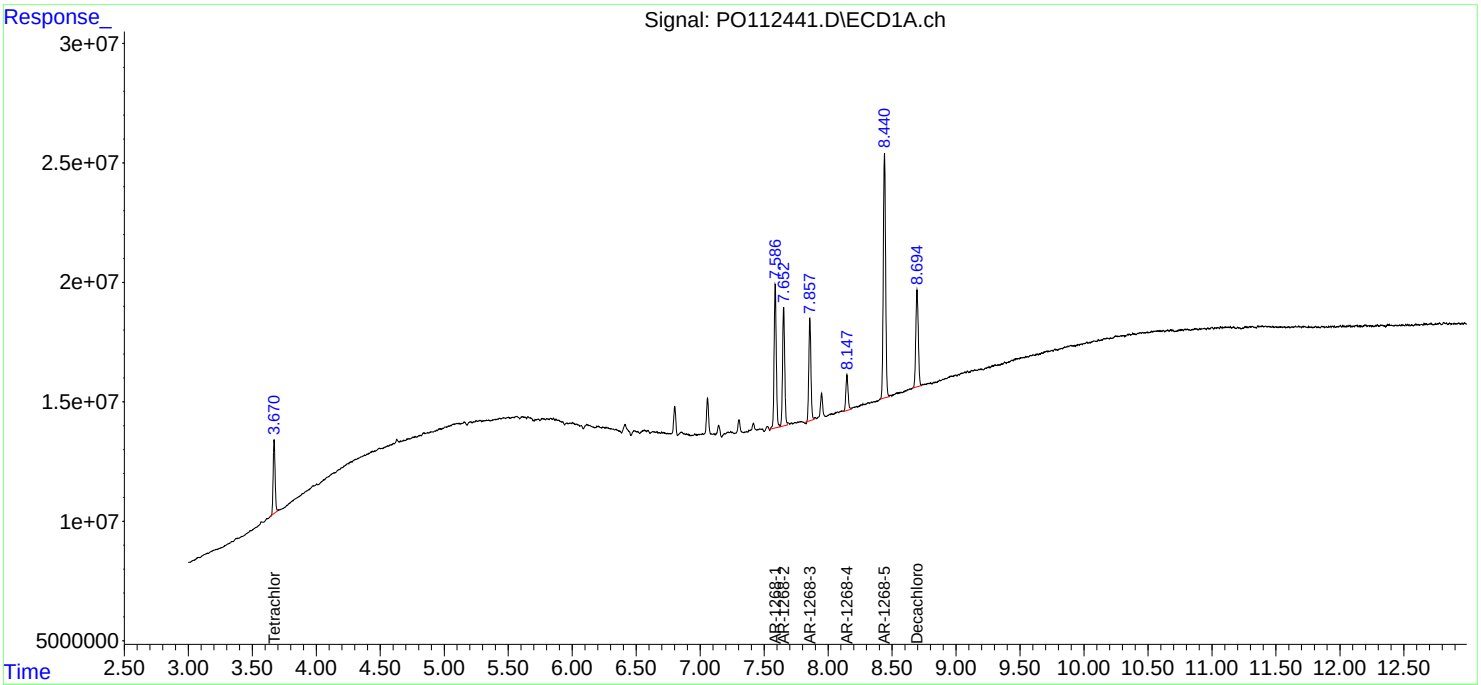
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

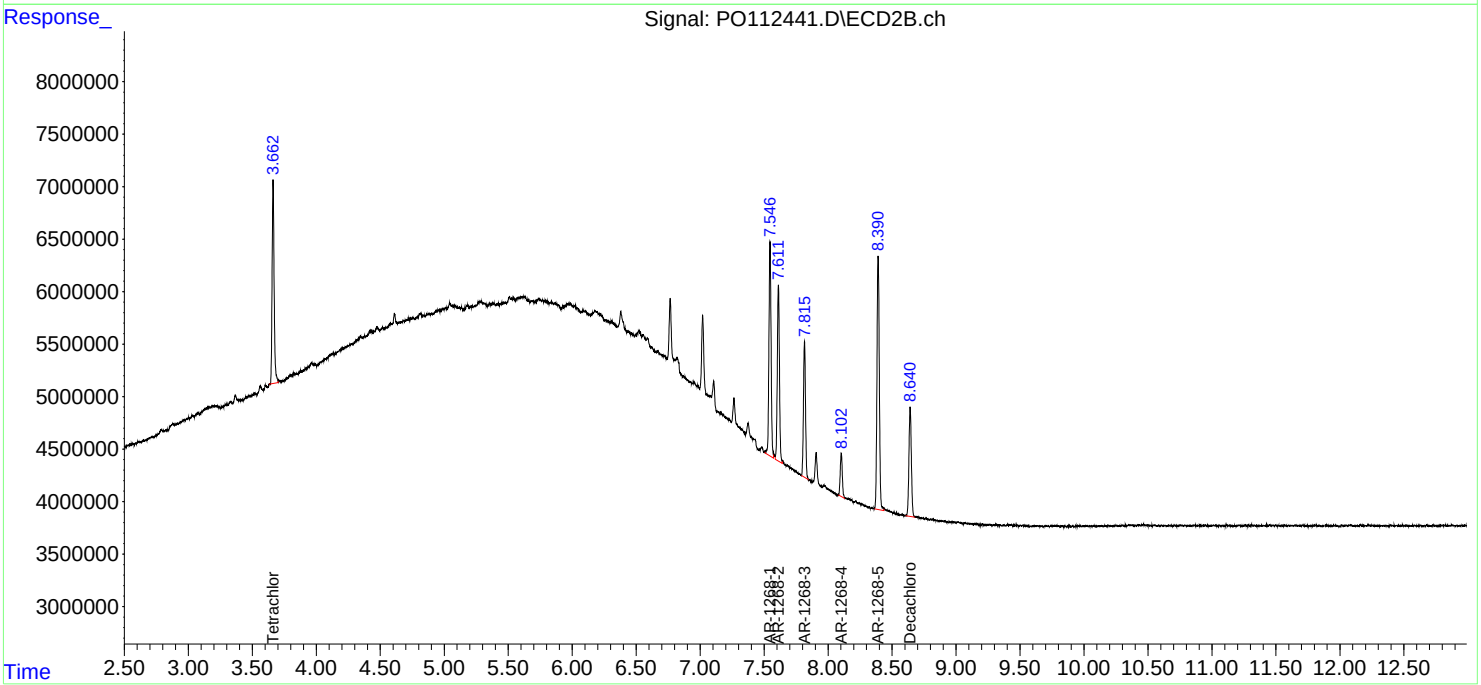
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:47
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:27:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:26:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:05
Operator : YP/AJ
Sample : PO072325ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:04:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	429.5E6	257.8E6	52.813	51.889
2)	SA Decachlor...	8.695	8.640	375.0E6	87671423	51.286	49.613
	Target Compounds						
3)	L1 AR-1016-1	4.756	4.737	141.9E6	87193424	528.782	498.228
4)	L1 AR-1016-2	4.774	4.756	214.8E6	130.5E6	528.864	500.904
5)	L1 AR-1016-3	4.832	4.931	137.7E6	68749292	526.111	505.634
6)	L1 AR-1016-4	4.951	4.973	109.7E6	56111590	517.883	505.124
7)	L1 AR-1016-5	5.208	5.186	116.9E6	72935368	532.523	508.959
31)	L7 AR-1260-1	6.245	6.214	222.6E6	126.1E6	506.590	507.535
32)	L7 AR-1260-2	6.435	6.402	342.3E6	162.4E6	497.536	492.983
33)	L7 AR-1260-3	6.800	6.553	311.1E6	133.0E6	528.992	517.596
34)	L7 AR-1260-4	7.059	7.023	226.3E6	98281247	501.824	513.726
35)	L7 AR-1260-5	7.303	7.265	621.4E6	214.6E6	501.504	520.509

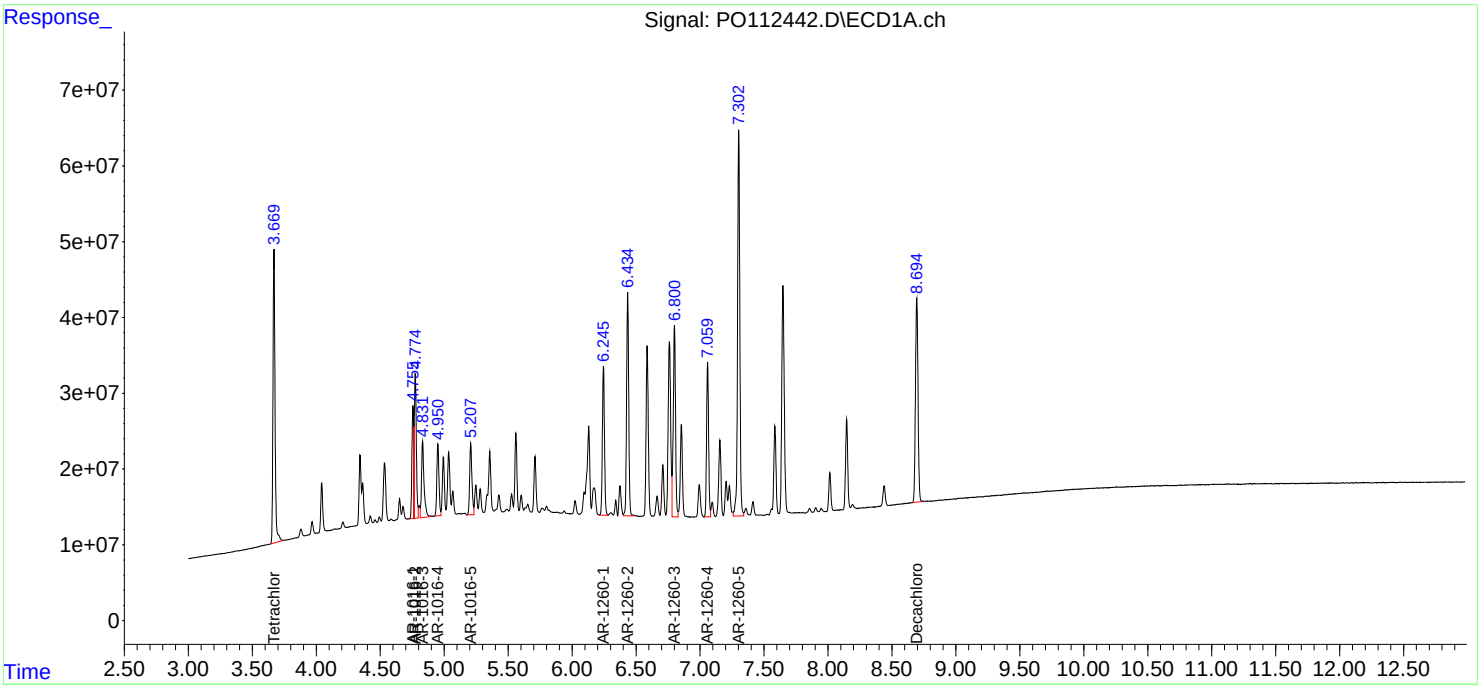
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

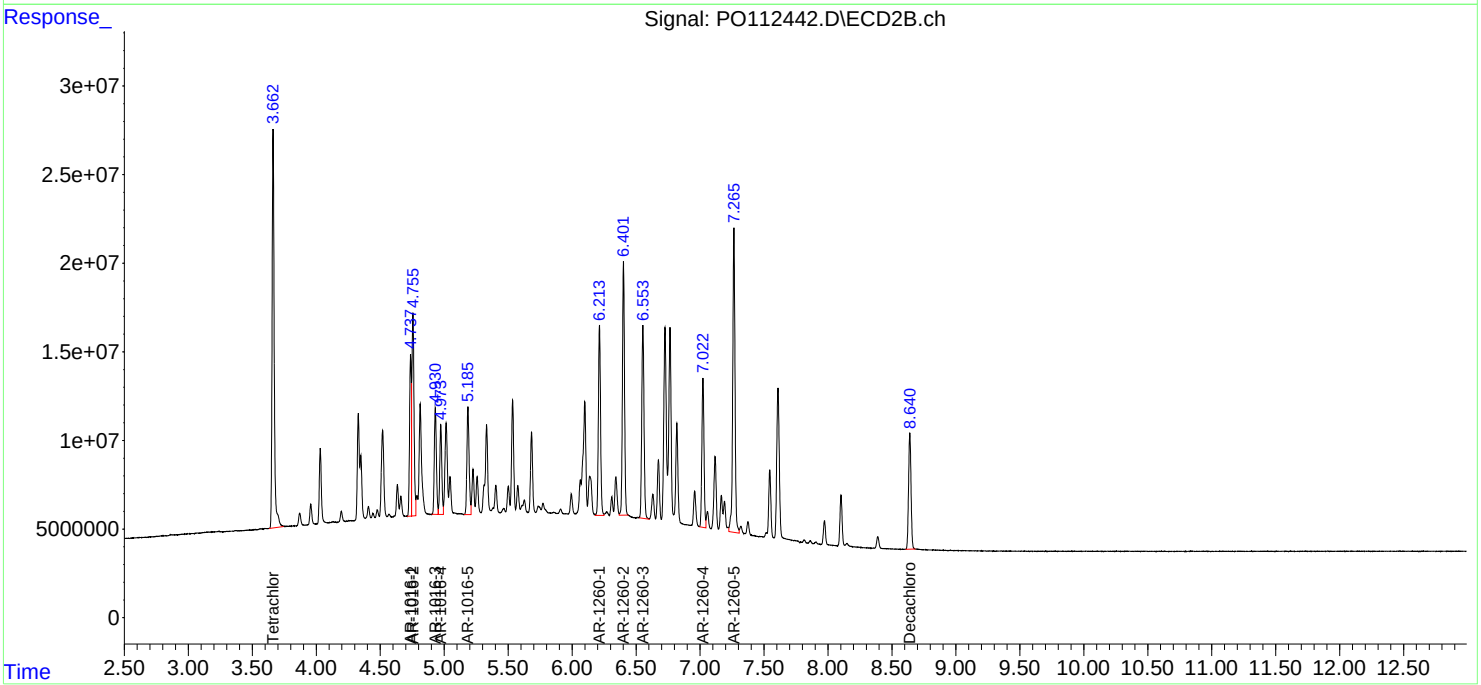
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:05
Operator : YP/AJ
Sample : PO072325ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:04:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:42
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:04:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.663	460.7E6	275.9E6	56.651	55.526
2)	SA Decachlor...	8.694	8.640	401.5E6	93838611	54.911	53.103
	Target Compounds						
16)	L4 AR-1242-1	4.756	4.738	129.0E6	80174107	521.171	506.169
17)	L4 AR-1242-2	4.776	4.756	194.8E6	118.6E6	526.705	507.457
18)	L4 AR-1242-3	4.832	4.931	123.7E6	62408526	522.828	514.968
19)	L4 AR-1242-4	4.952	5.015	99083869	61266680	510.009	499.161
20)	L4 AR-1242-5	5.603	5.535	107.3E6	81609556	501.589	506.982

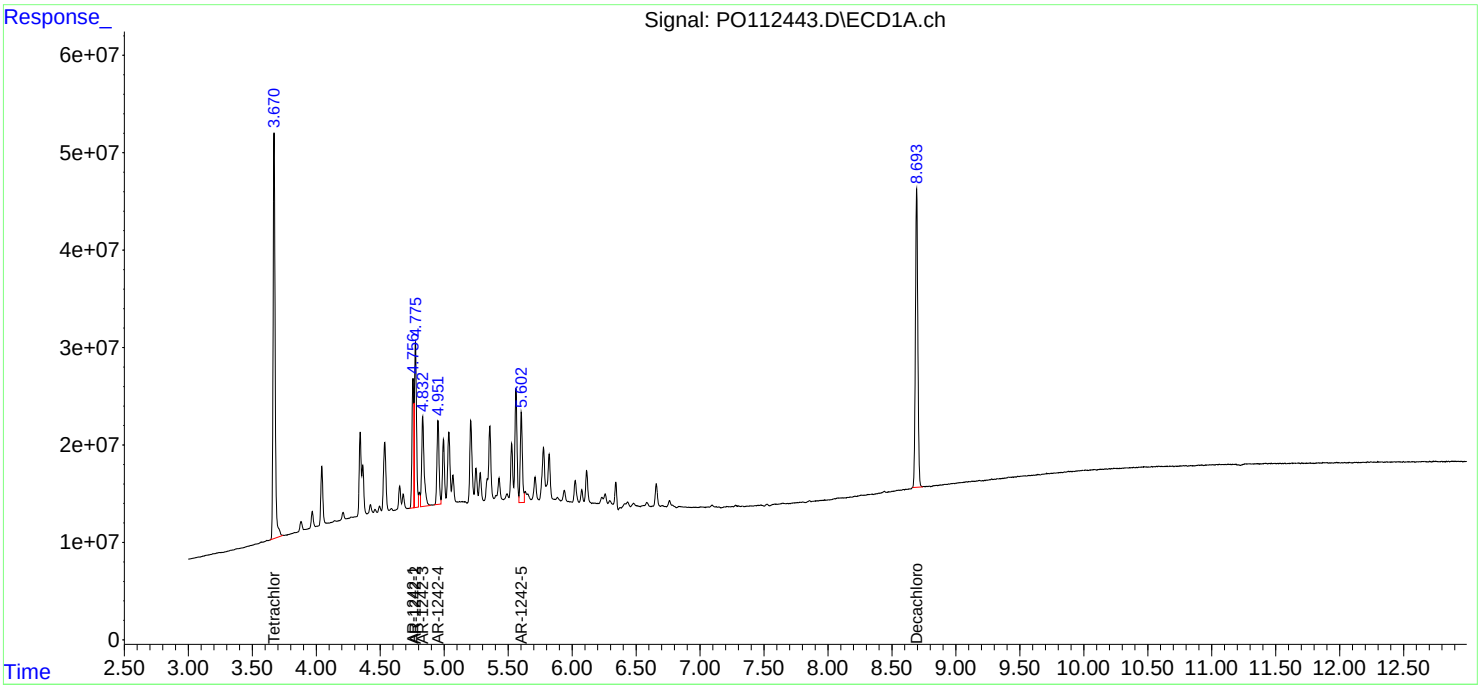
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

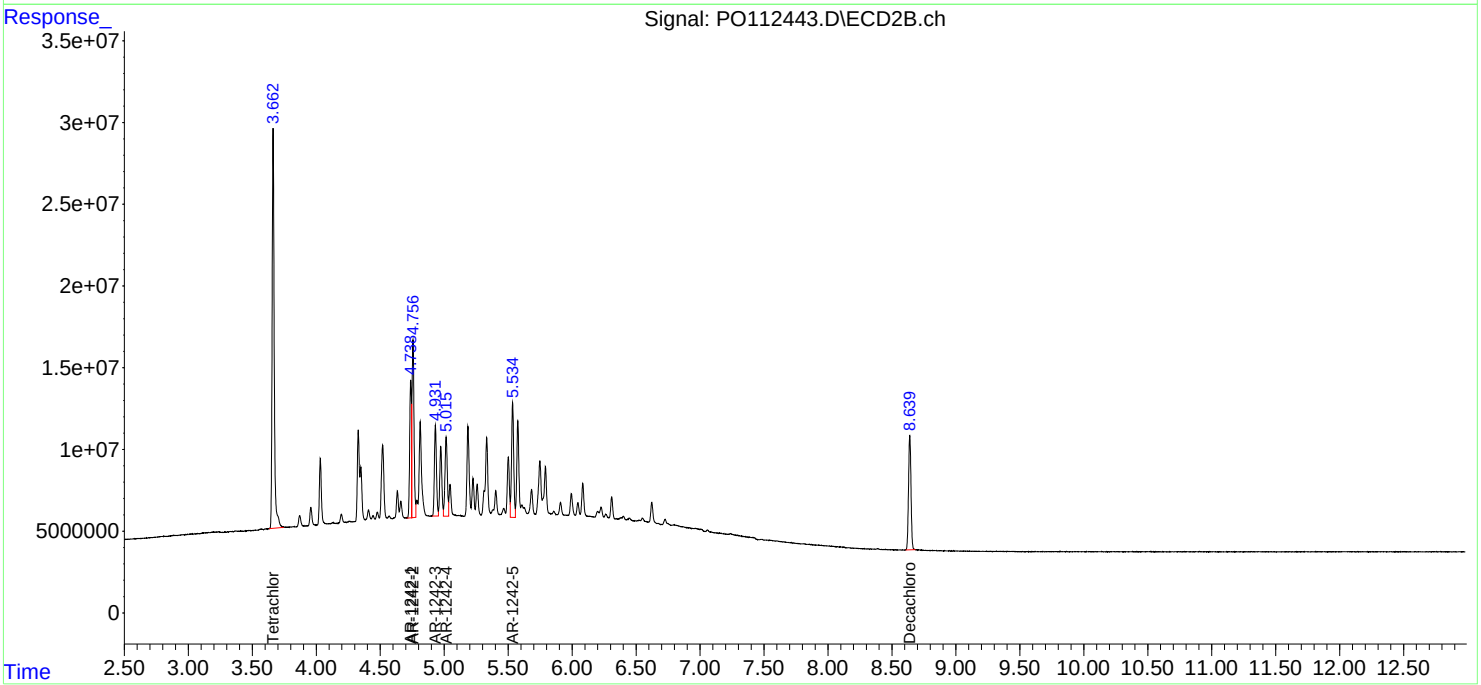
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:42
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:04:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 21:18
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:04:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	452.2E6	269.7E6	55.615	54.268
2)	SA Decachlor...	8.694	8.641	403.2E6	94089624	55.141	53.245
	Target Compounds						
21)	L5 AR-1248-1	4.755	4.737	96403586	60735474	514.952	499.842
22)	L5 AR-1248-2	4.994	4.973	132.8E6	84845389	520.457	501.214
23)	L5 AR-1248-3	5.207	5.015	170.0E6	89430727	494.627	503.418
24)	L5 AR-1248-4	5.560	5.185	261.6E6	105.8E6	514.800	507.962
25)	L5 AR-1248-5	5.602	5.576	177.0E6	109.0E6	506.243	507.656

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

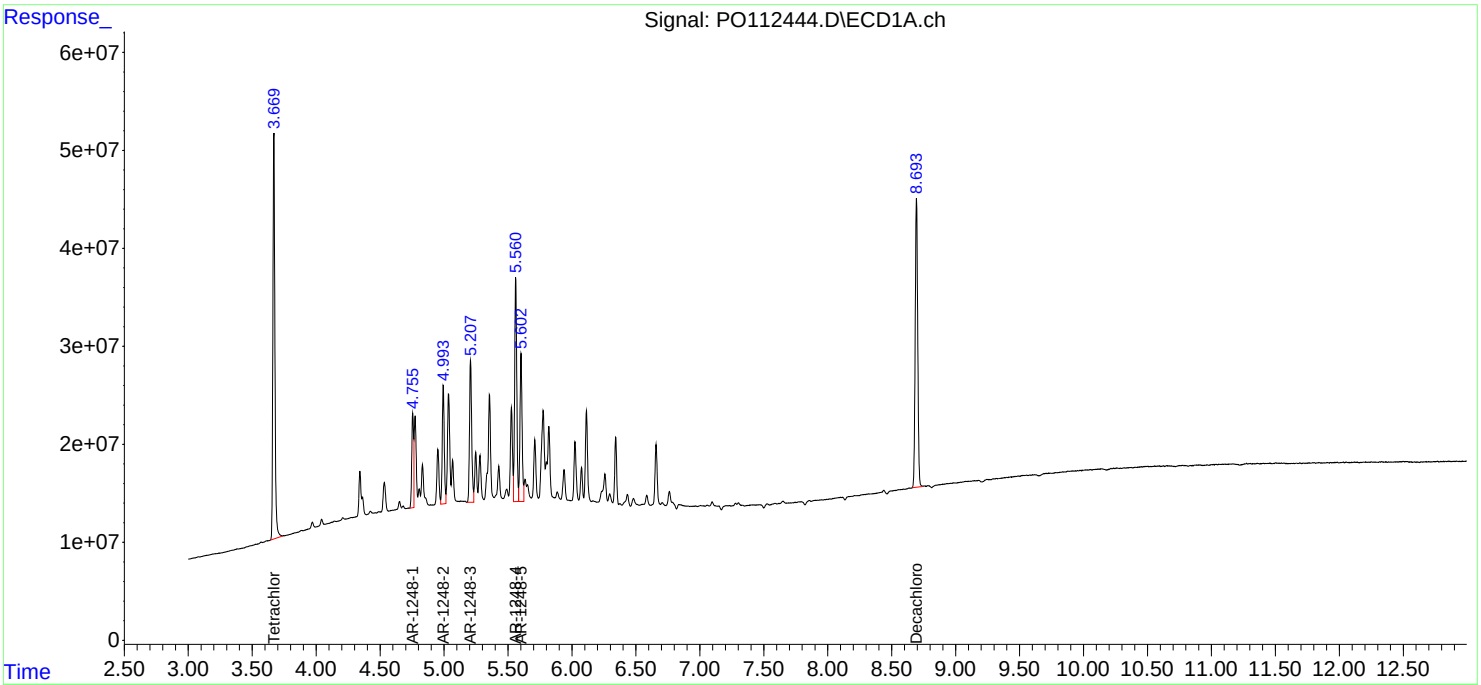
ICAL Form

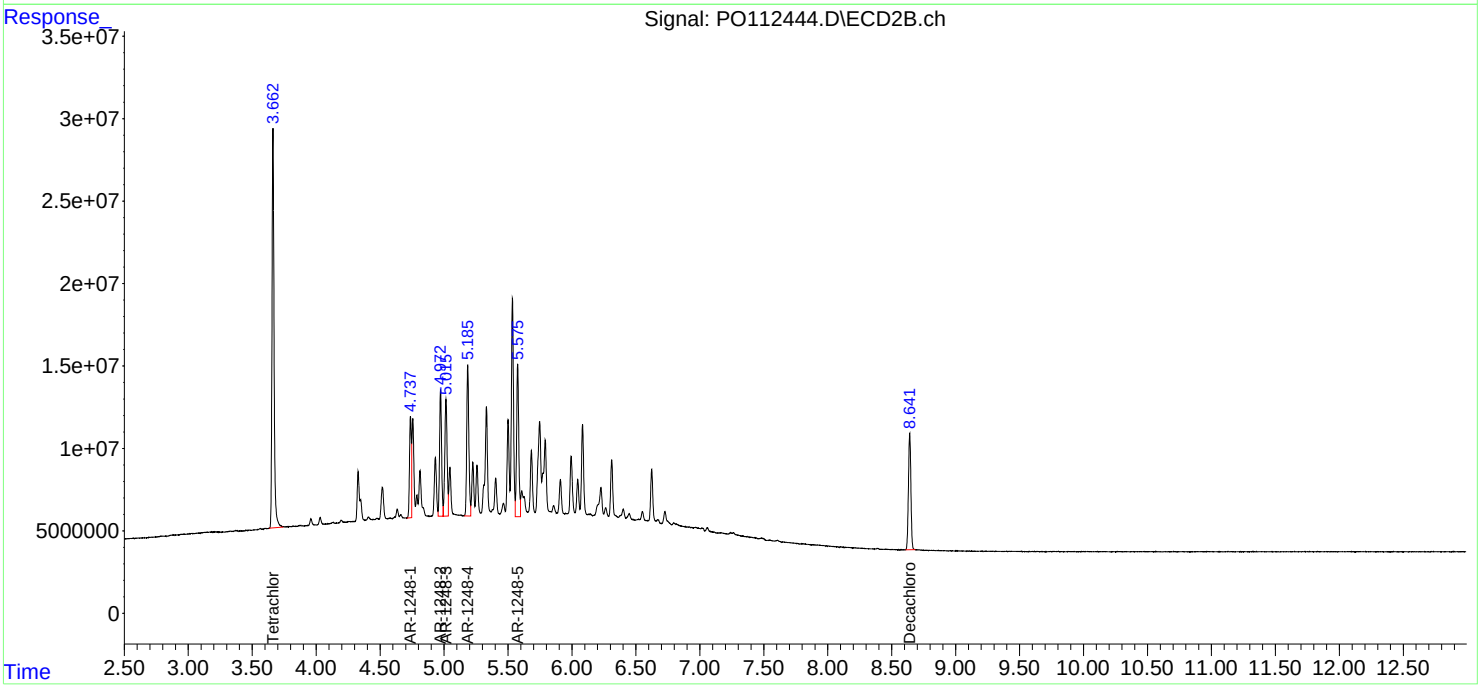
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 21:18
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:04:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 21:54
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.662	445.4E6	266.6E6	54.778	53.658
2)	SA Decachlor...	8.693	8.639	391.6E6	91844886	53.551	51.975
	Target Compounds						
26)	L6 AR-1254-1	5.561	5.534	276.3E6	163.9E6	503.299	498.849
27)	L6 AR-1254-2	5.711	5.683	249.7E6	144.3E6	513.931	498.389
28)	L6 AR-1254-3	6.114	6.083	379.5E6	213.7E6	509.918	499.814
29)	L6 AR-1254-4	6.342	6.310	247.0E6	123.1E6	449.340	450.950
30)	L6 AR-1254-5	6.761	6.726	356.3E6	167.5E6	503.357	501.388

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

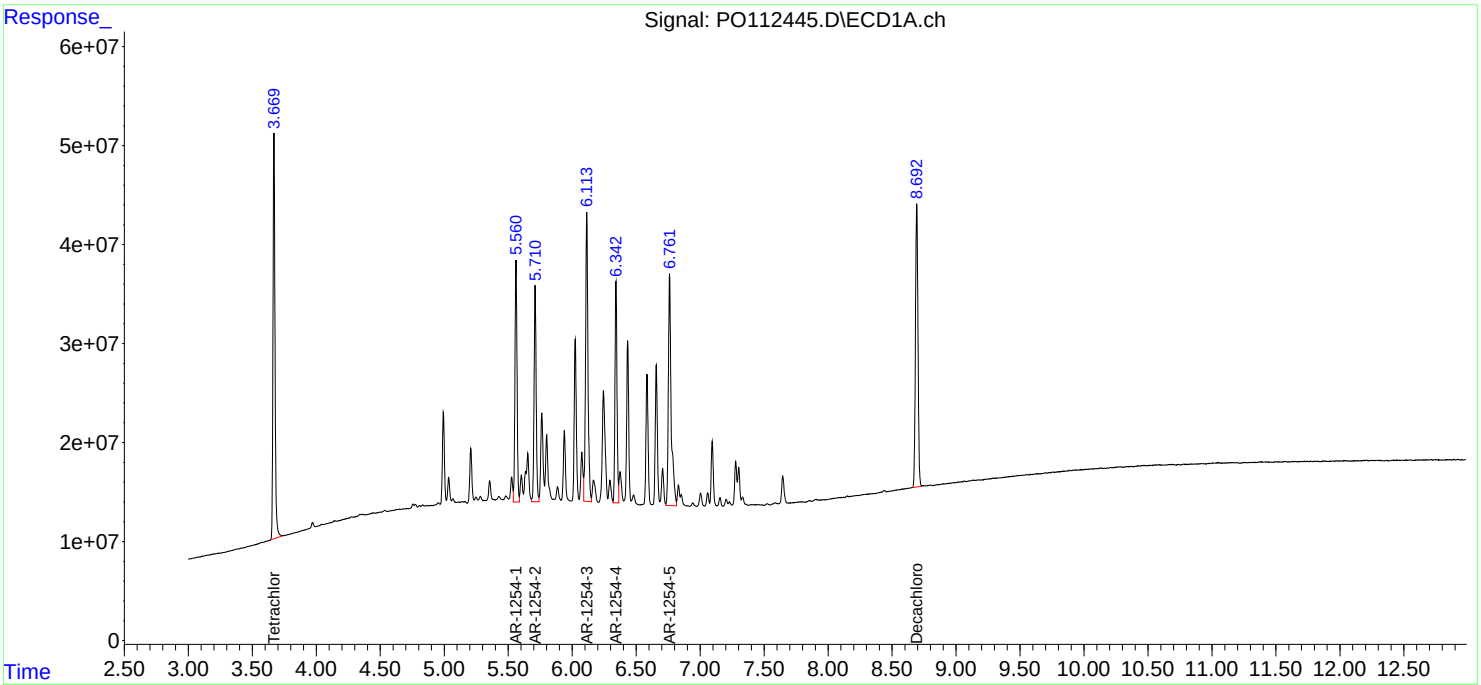
ICAL Form

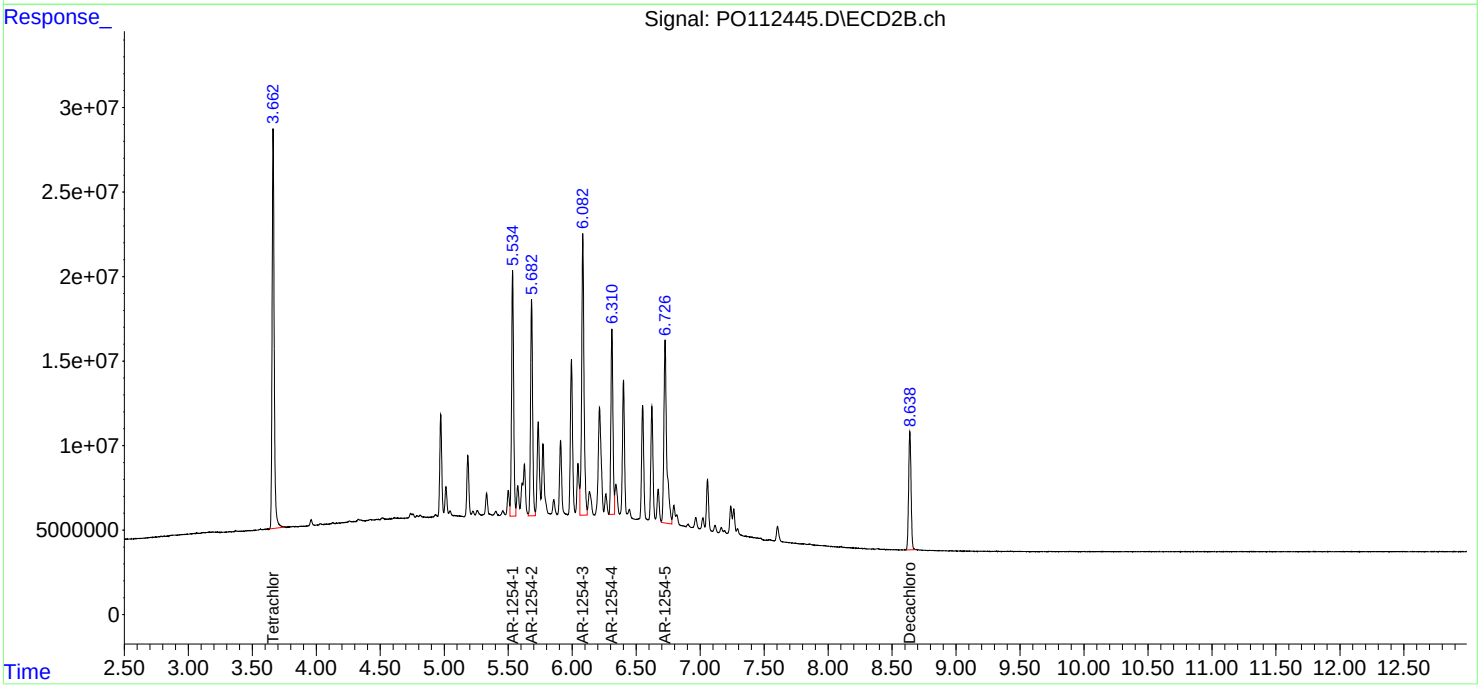
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 21:54
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:31
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:52:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.669	3.662	460.9E6	275.4E6	53.238	52.473
2)	SA Decachlor...	8.694	8.640	731.3E6	166.7E6	52.412	51.834
	Target Compounds						
41)	L9 AR-1268-1	7.586	7.546	910.3E6	250.7E6	519.844	484.189
42)	L9 AR-1268-2	7.651	7.611	767.0E6	207.2E6	520.717	487.400
43)	L9 AR-1268-3	7.856	7.815	656.2E6	158.5E6	524.050	493.242
44)	L9 AR-1268-4	8.146	8.102	253.2E6	55462942	525.396	498.339
45)	L9 AR-1268-5	8.439	8.391	1754.5E6	373.2E6	522.622	509.970

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

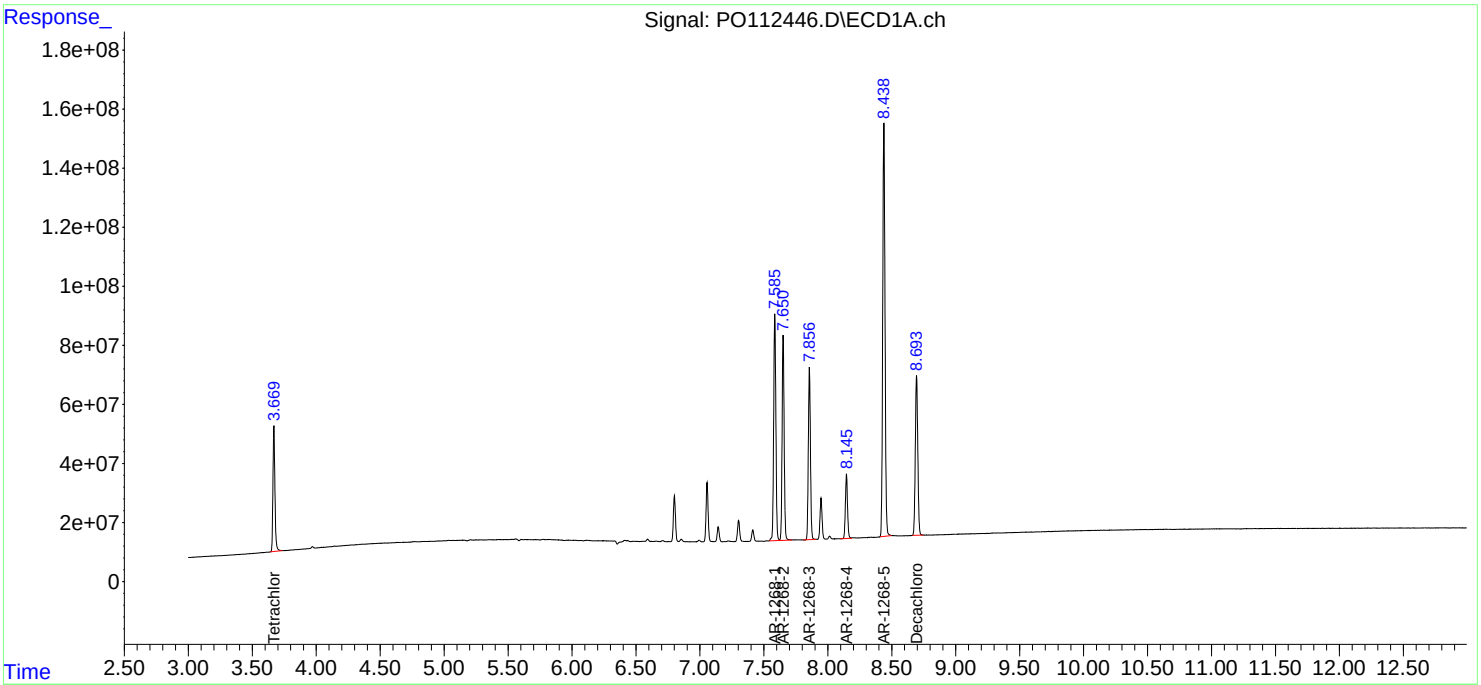
ICAL Form

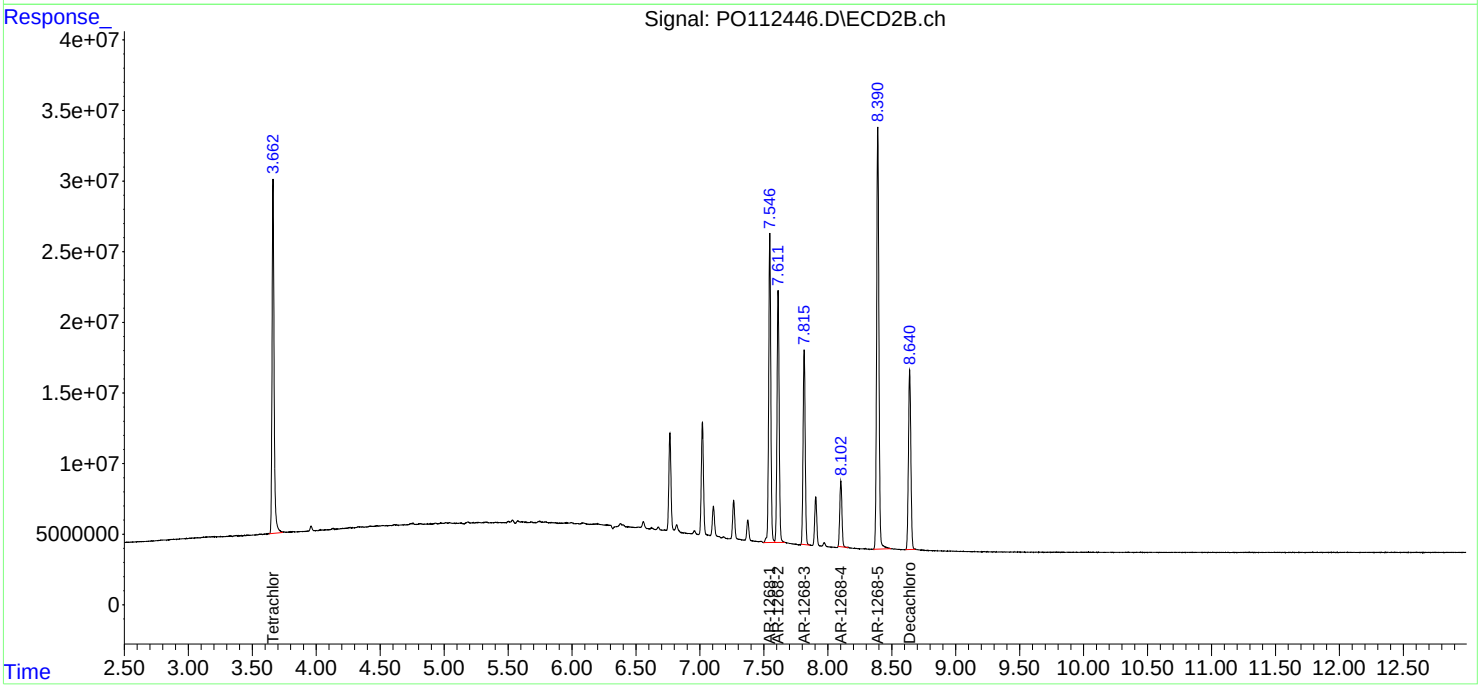
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:31
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072325AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 04:54:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:52:41 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





Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Instrument ID: ECD_P **Calibration Date(s):** 08/01/2025 08/01/2025

Calibration Times: 12:05 20:28

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

LAB FILE ID: RT 1000 = PP074168.D RT 750 = PP074169.D

RT 500 = PP074170.D RT 250 = PP074171.D RT 050 = PP074172.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.83	5.84	5.83	5.83	5.84	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.90	5.90	5.90	5.90	5.90	5.90	5.80	6.00
Aroclor-1016-4	(4)	5.99	6.00	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.29	6.29	6.29	6.28	6.29	6.29	6.19	6.39
Aroclor-1260-1	(1)	7.40	7.41	7.40	7.40	7.40	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.66	7.66	7.66	7.65	7.66	7.66	7.56	7.76
Aroclor-1260-3	(3)	8.01	8.02	8.01	8.01	8.02	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.24	8.24	8.24	8.24	8.24	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.57	8.57	8.57	8.57	8.57	8.57	8.47	8.67
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.84	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.90	5.90	5.89	5.90	5.90	5.90	5.80	6.00
Aroclor-1242-4	(4)	5.99	6.00	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.43	10.44	10.43	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.24	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.93	7.93	7.93	7.93	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.43	10.43	10.43	10.43	10.43	10.43	10.33	10.53
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Instrument ID: ECD_P **Calibration Date(s):** 08/01/2025 08/01/2025

Calibration Times: 12:05 20:28

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

LAB FILE ID: RT 1000 = PP074168.D RT 750 = PP074169.D

RT 500 = PP074170.D RT 250 = PP074171.D RT 050 = PP074172.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.91	4.90	4.91	4.91	4.91	4.91	4.81	5.01
Aroclor-1016-2	(2)	4.96	4.96	4.96	4.97	4.97	4.96	4.86	5.06
Aroclor-1016-3	(3)	5.08	5.08	5.08	5.09	5.08	5.08	4.98	5.18
Aroclor-1016-4	(4)	5.12	5.12	5.12	5.13	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.34	5.34	5.34	5.34	5.34	5.34	5.24	5.44
Aroclor-1260-1	(1)	6.56	6.55	6.56	6.56	6.56	6.56	6.46	6.66
Aroclor-1260-2	(2)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Aroclor-1260-3	(3)	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Aroclor-1260-4	(4)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Aroclor-1260-5	(5)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Tetrachloro-m-xylene		3.81	3.80	3.81	3.81	3.80	3.81	3.71	3.91
Aroclor-1242-1	(1)	4.91	4.90	4.91	4.91	4.90	4.91	4.81	5.01
Aroclor-1242-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.17	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Decachlorobiphenyl		8.83	8.82	8.83	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.81	3.81	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-2	(2)	5.84	5.84	5.83	5.83	5.84	5.84	5.74	5.94
Aroclor-1254-3	(3)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1254-4	(4)	6.46	6.46	6.46	6.46	6.46	6.46	6.36	6.56
Aroclor-1254-5	(5)	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.81	3.80	3.80	3.80	3.80	3.80	3.70	3.90

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: PORT06
SDG NO.: Q2832
Calibration Date(s): 08/01/2025 08/01/2025
Calibration Times: 12:05 20:28

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

LAB FILE ID: CF 1000 = PP074168.D CF 750 = PP074169.D
CF 500 = PP074170.D CF 250 = PP074171.D CF 050 = PP074172.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	35273925	37423669	39112938	43859036	50614460	41256806	14
Aroclor-1016-2	(2)	51795728	55199127	58347288	64689960	73676540	60741729	13
Aroclor-1016-3	(3)	33422245	35685564	37869938	42702196	48622620	39660513	14
Aroclor-1016-4	(4)	27792815	29586895	31487664	35862436	37992560	32544474	12
Aroclor-1016-5	(5)	27690329	29450228	31441930	35606544	38151200	32468046	13
Aroclor-1260-1	(1)	47709498	50888675	54142460	59119820	69919860	56356063	15
Aroclor-1260-2	(2)	56508230	60166887	63913596	71401348	88771760	68152364	18
Aroclor-1260-3	(3)	45067030	48123128	50650728	57005548	65633220	53295931	14
Aroclor-1260-4	(4)	54035441	57066597	60264502	66664376	75043960	62614975	13
Aroclor-1260-5	(5)	97992993	102942959	107738868	117332464	140517260	113304909	14
Decachlorobiphenyl		852434670	894679120	940440840	1016872040	1151380600	971161454	12
Tetrachloro-m-xylene		994587660	1038636867	1076051520	1154524400	1327726000	1118305289	12
Aroclor-1242-1	(1)	31512428	33419607	35918512	39696020	45782500	37265813	14
Aroclor-1242-2	(2)	47421171	49356251	53063334	57890692	64313200	54408930	12
Aroclor-1242-3	(3)	30290298	32076312	34724744	38188808	43399140	35735860	14
Aroclor-1242-4	(4)	25177060	26633319	28691812	30950152	34640880	29218645	12
Aroclor-1242-5	(5)	29128304	32087727	34406488	38696772	43470800	35558018	15
Decachlorobiphenyl		880786000	919506067	984418560	1056643120	1205252000	1009321149	13
Tetrachloro-m-xylene		1043240650	1075688493	1133074840	1202593000	1370780600	1165075517	11
Aroclor-1254-1	(1)	49559228	49811068	53907260	53993024	55934640	52641044	5
Aroclor-1254-2	(2)	70079706	72686637	78166692	86577056	90012700	79504558	10
Aroclor-1254-3	(3)	76495408	79340601	84479860	93420496	102844700	87316213	12
Aroclor-1254-4	(4)	57834344	59926583	63428804	69599176	68258480	63809477	8
Aroclor-1254-5	(5)	73335985	76078215	80654566	88040632	87614400	81144760	8
Decachlorobiphenyl		901613940	929059080	979122040	1057269880	1005303000	974473588	6
Tetrachloro-m-xylene		1055318110	1070331613	1114290760	1189360720	1187072000	1123274641	6

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Instrument ID: ECD_P **Calibration Date(s):** 08/01/2025 08/01/2025

Calibration Times: 12:05 20:28

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

LAB FILE ID: CF 1000 = PP074168.D CF 750 = PP074169.D

CF 500 = PP074170.D CF 250 = PP074171.D CF 050 = PP074172.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	401748995	398824608	399912360	403735356	390215520	398887368	1
Aroclor-1016-2	(2)	186854426	192495525	187577416	198284052	173833620	187809008	5
Aroclor-1016-3	(3)	104048217	106580327	106062448	114925596	98731580	106069634	5
Aroclor-1016-4	(4)	102945349	106576167	111089380	109624088	115865320	109220061	4
Aroclor-1016-5	(5)	116097268	118066511	118643196	118883084	113126240	116963260	2
Aroclor-1260-1	(1)	398303416	397444124	405725820	438106428	380206020	403957162	5
Aroclor-1260-2	(2)	301304557	308158192	308266150	305734868	340030740	312698901	5
Aroclor-1260-3	(3)	408378449	417603121	404068616	383320072	357221180	394118288	6
Aroclor-1260-4	(4)	295359710	299954812	306136602	280781712	272663920	290979351	4
Aroclor-1260-5	(5)	811772813	805780147	794112086	732491376	642892660	757409816	9
Decachlorobiphenyl		6091085760	6145498480	6064775080	5991469080	5775302800	6013626240	2
Tetrachloro-m-xylene		4204747790	4209506627	3997167900	3658659200	3102045200	3834425343	12
Aroclor-1242-1	(1)	341272725	348537165	356175586	358260688	321457320	345140697	4
Aroclor-1242-2	(2)	162660327	171629959	165033416	168697644	148866940	163377657	5
Aroclor-1242-3	(3)	93075141	96957855	92088854	97223352	81897380	92248516	6
Aroclor-1242-4	(4)	117292839	116784915	126377070	120581608	116071680	119421622	3
Aroclor-1242-5	(5)	140731652	152438257	148354640	155481924	150793560	149560007	4
Decachlorobiphenyl		6182103300	6198353267	6343202860	6254049920	5638925600	6123326989	5
Tetrachloro-m-xylene		4380731720	4319851627	4244718880	3977934440	3138312200	4012309773	13
Aroclor-1254-1	(1)	384557283	361450625	385081202	377494716	322325960	366181957	7
Aroclor-1254-2	(2)	284389782	276601852	284135592	290728916	255228600	278216948	5
Aroclor-1254-3	(3)	520239168	520693099	508814756	526662268	369647720	489211402	13
Aroclor-1254-4	(4)	378053305	389619320	377098978	394351108	298703960	367565334	10
Aroclor-1254-5	(5)	425051302	410967521	398226716	393575444	298014540	385167105	12
Decachlorobiphenyl		6206832720	6179384467	6118770460	6279475360	4842174000	5925327401	10
Tetrachloro-m-xylene		4358828150	4220486587	4040036280	3680489520	2529500800	3765868267	20

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Instrument ID: ECD_P **Date(s) Analyzed:** 08/01/2025 08/01/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.86	4.76	4.96	16763600
		2	4.94	4.84	5.04	12601100
		3	5.02	4.92	5.12	36635200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	29037400
		2	5.55	5.45	5.65	15042700
		3	5.83	5.73	5.93	29001800
		4	5.99	5.89	6.09	15468800
		5	6.08	5.98	6.18	11716000
Aroclor-1248	500	1	5.81	5.71	5.91	28382600
		2	6.08	5.98	6.18	40187600
		3	6.28	6.18	6.38	44640800
		4	6.68	6.58	6.78	51582200
		5	6.72	6.62	6.82	53240200
Aroclor-1262	500	1	8.24	8.14	8.34	75789600
		2	8.56	8.46	8.66	130430000
		3	8.89	8.79	8.99	94070800
		4	8.97	8.87	9.07	72851600
		5	9.65	9.55	9.75	50922600
Aroclor-1268	500	1	8.88	8.78	8.98	158028000
		2	8.98	8.88	9.08	146028000
		3	9.22	9.12	9.32	121402000
		4	9.64	9.54	9.74	59648200
		5	10.08	9.98	10.18	357940000

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Instrument ID: ECD_P **Date(s) Analyzed:** 08/01/2025 08/01/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.02	3.92	4.12	49085200
		2	4.10	4.00	4.20	35889400
		3	4.18	4.08	4.28	135225000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.18	4.08	4.28	101362000
		2	4.90	4.80	5.00	174266000
		3	5.08	4.98	5.18	45816600
		4	5.16	5.06	5.26	58010800
		5	5.34	5.24	5.44	46979400
Aroclor-1248	500	1	4.90	4.80	5.00	223628000
		2	5.12	5.02	5.22	147770000
		3	5.16	5.06	5.26	179546000
		4	5.34	5.24	5.44	167057000
		5	5.73	5.63	5.83	302782000
Aroclor-1262	500	1	6.92	6.82	7.02	563142000
		2	7.18	7.08	7.28	401024000
		3	7.70	7.60	7.80	359470000
		4	7.76	7.66	7.86	666922000
		5	8.26	8.16	8.36	283268000
Aroclor-1268	500	1	7.70	7.60	7.80	1169220000
		2	7.76	7.66	7.86	1148130000
		3	7.97	7.87	8.07	891866000
		4	8.26	8.16	8.36	329470000
		5	8.56	8.46	8.66	2772300000

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 12:05
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: Aug 01 13:05:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:02:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.805	99458766	420.5E6	96.066	102.531
2)	SA Decachlor...	10.437	8.826	85243467	609.1E6	95.091	100.216
	Target Compounds						
3)	L1 AR-1016-1	5.812	4.905	35273925	401.7E6	948.391	1002.291
4)	L1 AR-1016-2	5.833	4.963	51795728	186.9E6	940.518	998.069
5)	L1 AR-1016-3	5.896	5.083	33422245	104.0E6	937.613	990.413
6)	L1 AR-1016-4	5.993	5.124	27792815	102.9E6	937.672	961.950
7)	L1 AR-1016-5	6.285	5.338	27690329	116.1E6	936.556	989.154
31)	L7 AR-1260-1	7.403	6.555	47709498	398.3E6	936.840	990.768
32)	L7 AR-1260-2	7.656	6.711	56508230	301.3E6	938.505	988.580
33)	L7 AR-1260-3	8.013	6.921	45067030	408.4E6	941.665	1005.305
34)	L7 AR-1260-4	8.241	7.180	54035441	295.4E6	945.503	982.083
35)	L7 AR-1260-5	8.567	7.419	97992993	811.8E6	952.628	1010.998

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

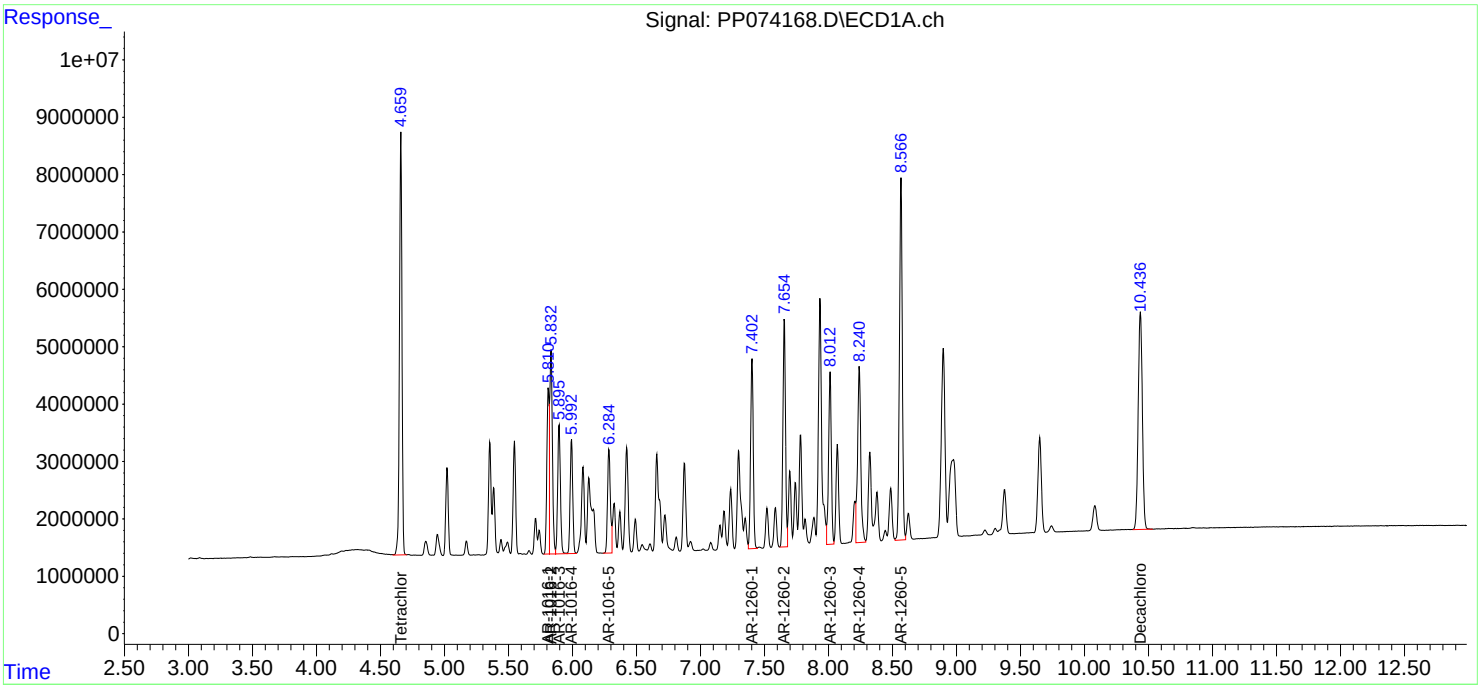
ICAL Form

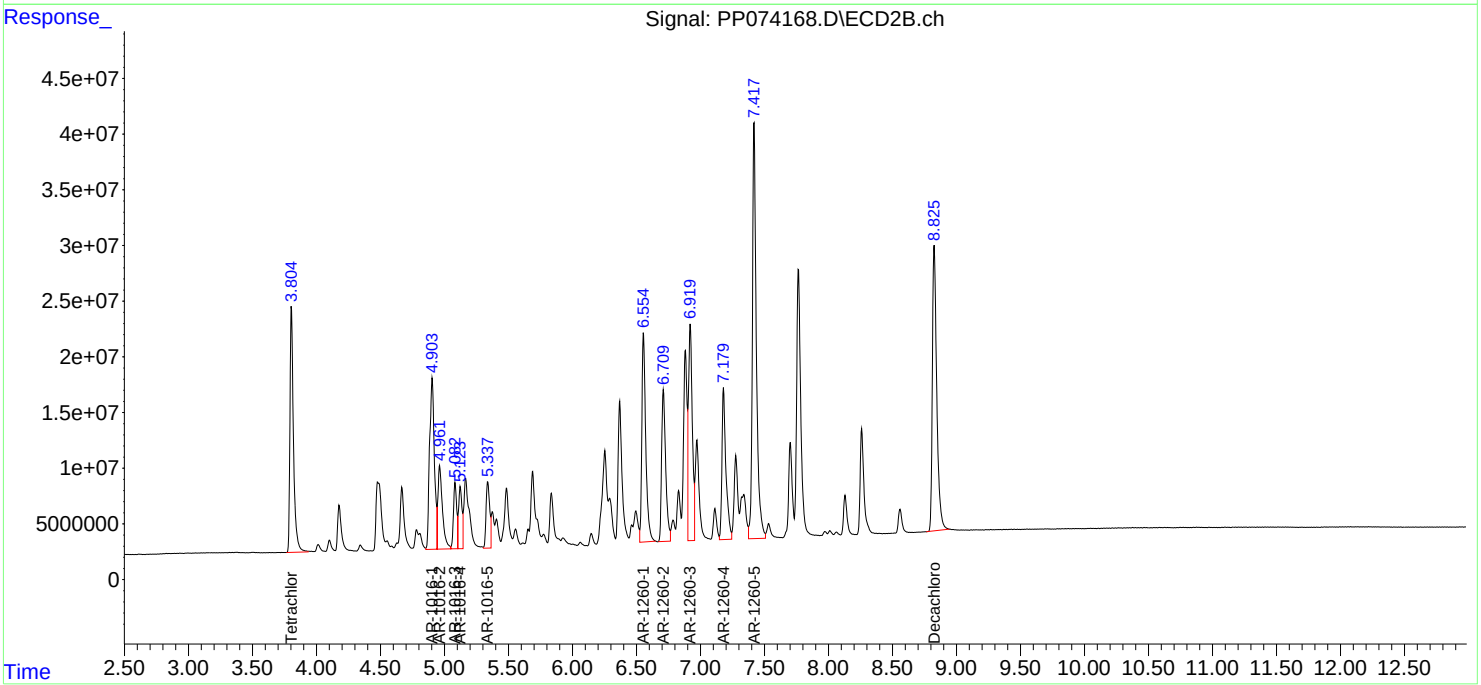
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 12:05
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 13:05:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:02:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 12:22
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: Aug 01 13:07:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:02:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.662	3.804	77897765	315.7E6	75.160	76.312
2)	SA Decachlor...	10.440	8.825	67100934	460.9E6	74.902	75.554
	Target Compounds						
3)	L1 AR-1016-1	5.814	4.904	28067752	299.1E6	753.089	747.493
4)	L1 AR-1016-2	5.836	4.962	41399345	144.4E6	751.158	763.969
5)	L1 AR-1016-3	5.898	5.082	26764173	79935245	750.553	757.223
6)	L1 AR-1016-4	5.995	5.122	22190171	79932125	749.100	747.936
7)	L1 AR-1016-5	6.288	5.337	22087671	88549883	748.037	752.960
31)	L7 AR-1260-1	7.405	6.554	38166506	298.1E6	749.634	744.294
32)	L7 AR-1260-2	7.658	6.709	45125165	231.1E6	749.634	755.513
33)	L7 AR-1260-3	8.016	6.919	36092346	313.2E6	752.756	763.877
34)	L7 AR-1260-4	8.244	7.178	42799948	225.0E6	749.270	748.680
35)	L7 AR-1260-5	8.569	7.417	77207219	604.3E6	750.374	751.765

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

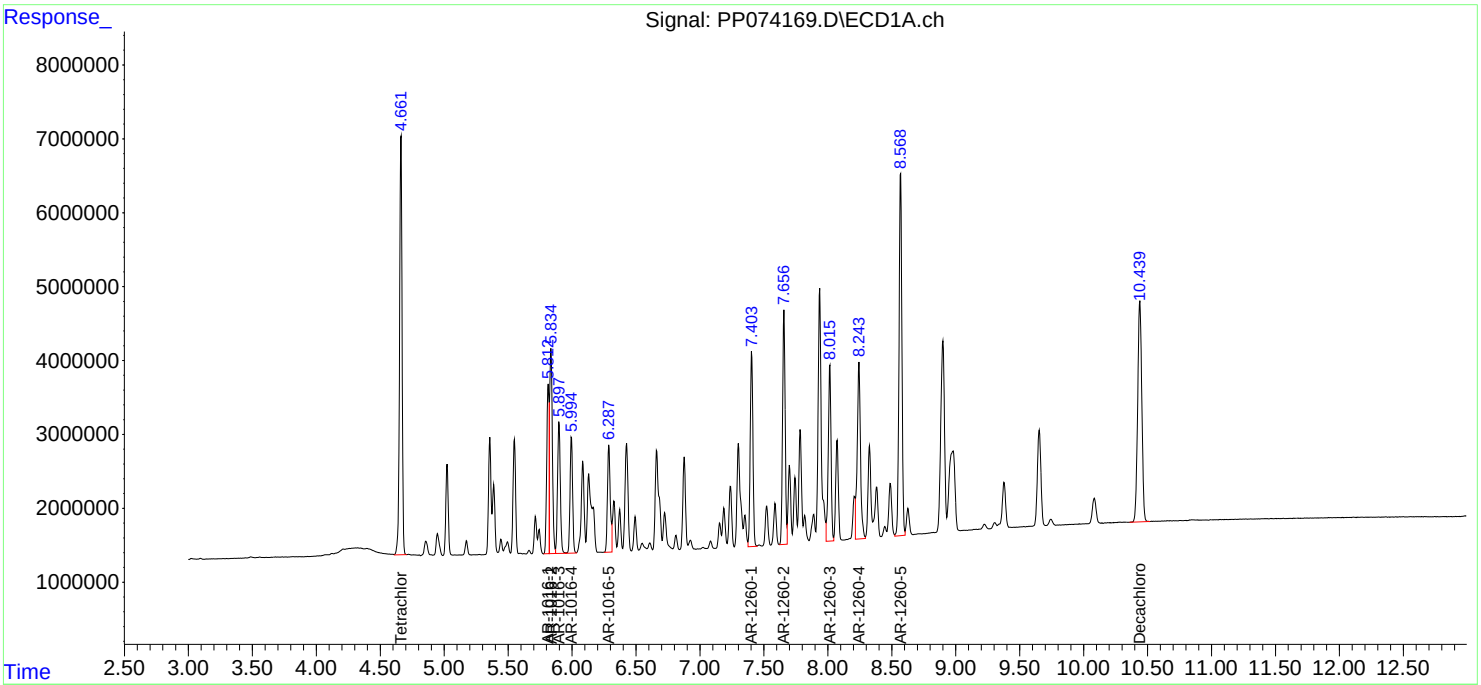
ICAL Form

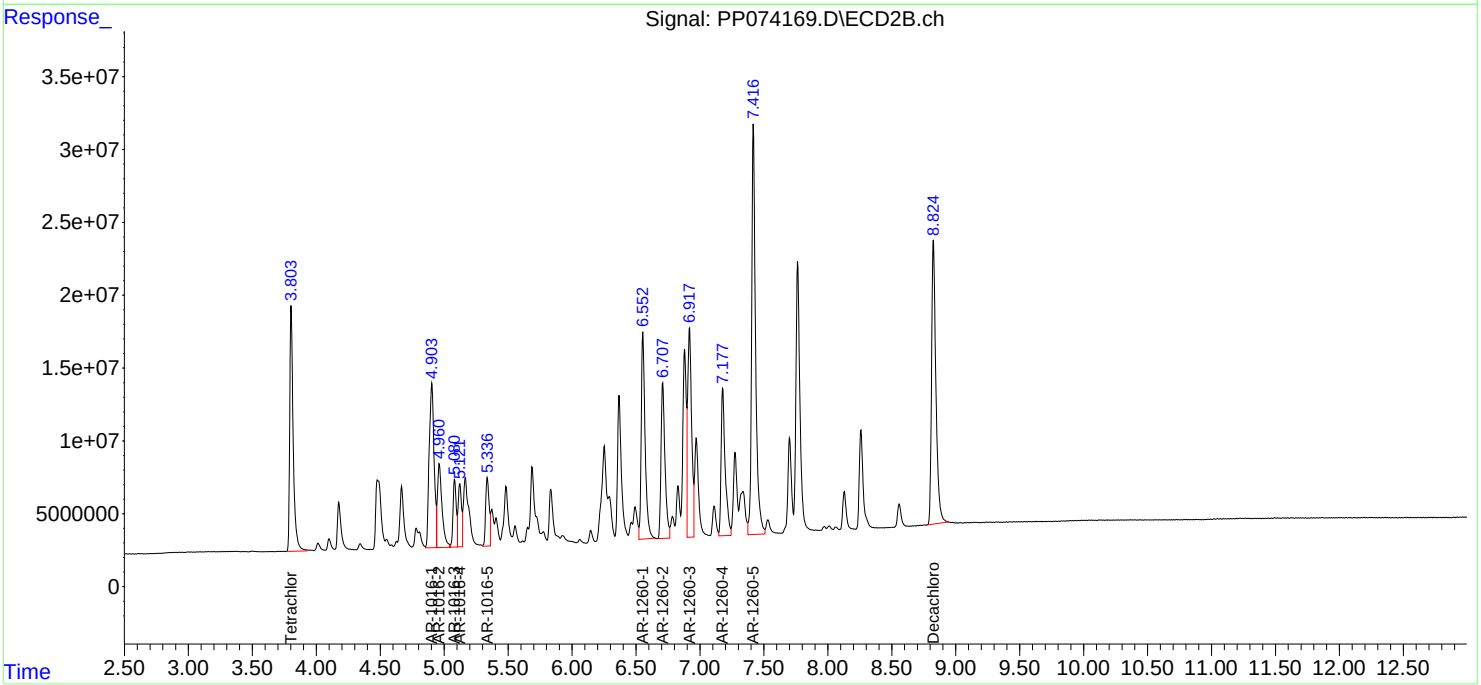
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 12:22
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 13:07:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:02:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 12:38
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: Aug 01 13:02:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:02:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.805	53802576	199.9E6	50.000	50.000
2)	SA Decachlor...	10.438	8.826	47022042	303.2E6	50.000	50.000
	Target Compounds						
3)	L1 AR-1016-1	5.812	4.906	19556469	200.0E6	500.000	500.000
4)	L1 AR-1016-2	5.833	4.963	29173644	93788708	500.000	500.000
5)	L1 AR-1016-3	5.896	5.083	18934969	53031224	500.000	500.000
6)	L1 AR-1016-4	5.993	5.123	15743832	55544690	500.000	500.000
7)	L1 AR-1016-5	6.286	5.339	15720965	59321598	500.000	500.000
31)	L7 AR-1260-1	7.403	6.555	27071230	202.9E6	500.000	500.000
32)	L7 AR-1260-2	7.655	6.709	31956798	154.1E6	500.000	500.000
33)	L7 AR-1260-3	8.013	6.919	25325364	202.0E6	500.000	500.000
34)	L7 AR-1260-4	8.242	7.179	30132251	153.1E6	500.000	500.000
35)	L7 AR-1260-5	8.568	7.418	53869434	397.1E6	500.000	500.000

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

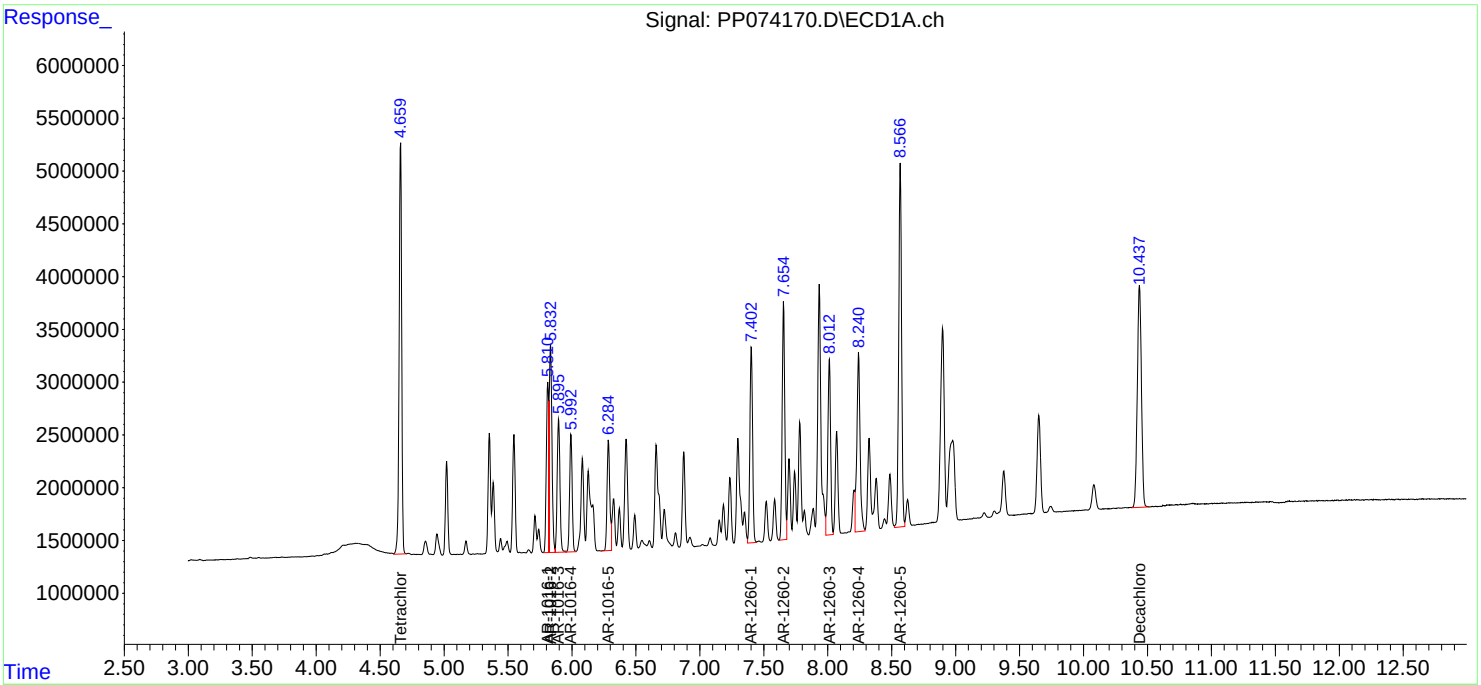
ICAL Form

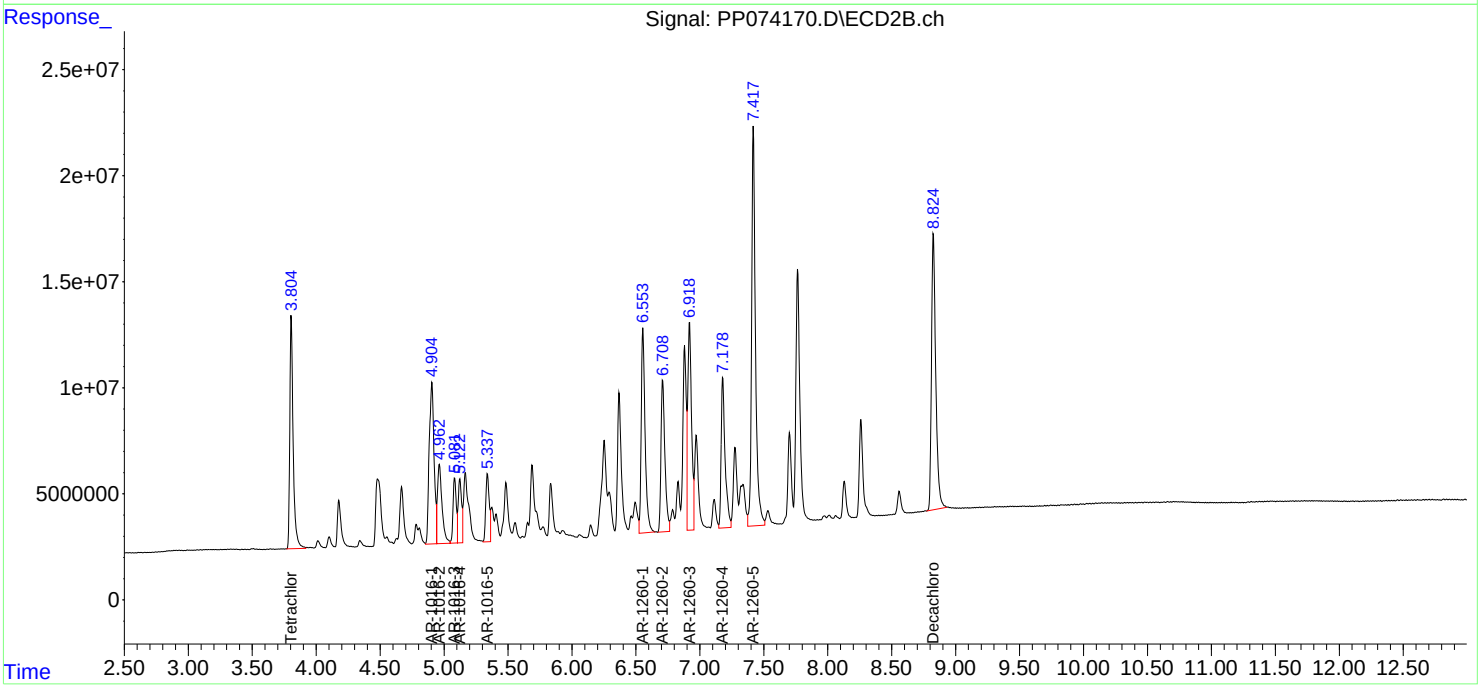
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 12:38
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 13:02:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:02:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 12:54
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 13:10:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:02:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.658	3.807	28863110	91466480	27.077	22.767
2)	SA Decachlor...	10.435	8.827	25421801	149.8E6	27.450	24.664
	Target Compounds						
3)	L1 AR-1016-1	5.810	4.907	10964759	100.9E6	281.744	251.671
4)	L1 AR-1016-2	5.832	4.965	16172490	49571013	281.221	259.123
5)	L1 AR-1016-3	5.895	5.085	10675549	28731399	285.290	266.268
6)	L1 AR-1016-4	5.991	5.126	8965609	27406022	287.521	254.800
7)	L1 AR-1016-5	6.282	5.340	8901636	29720771	287.291m	252.036
31)	L7 AR-1260-1	7.399	6.557	14779955	109.5E6	277.879m	267.207
32)	L7 AR-1260-2	7.652	6.711	17850337	76433717	284.356m	249.893
33)	L7 AR-1260-3	8.011	6.922	14251387	95830018	283.827	237.590
34)	L7 AR-1260-4	8.240	7.182	16666094	70195428	280.066	237.501
35)	L7 AR-1260-5	8.565	7.421	29333116	183.1E6	275.424	232.969

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 12:54
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

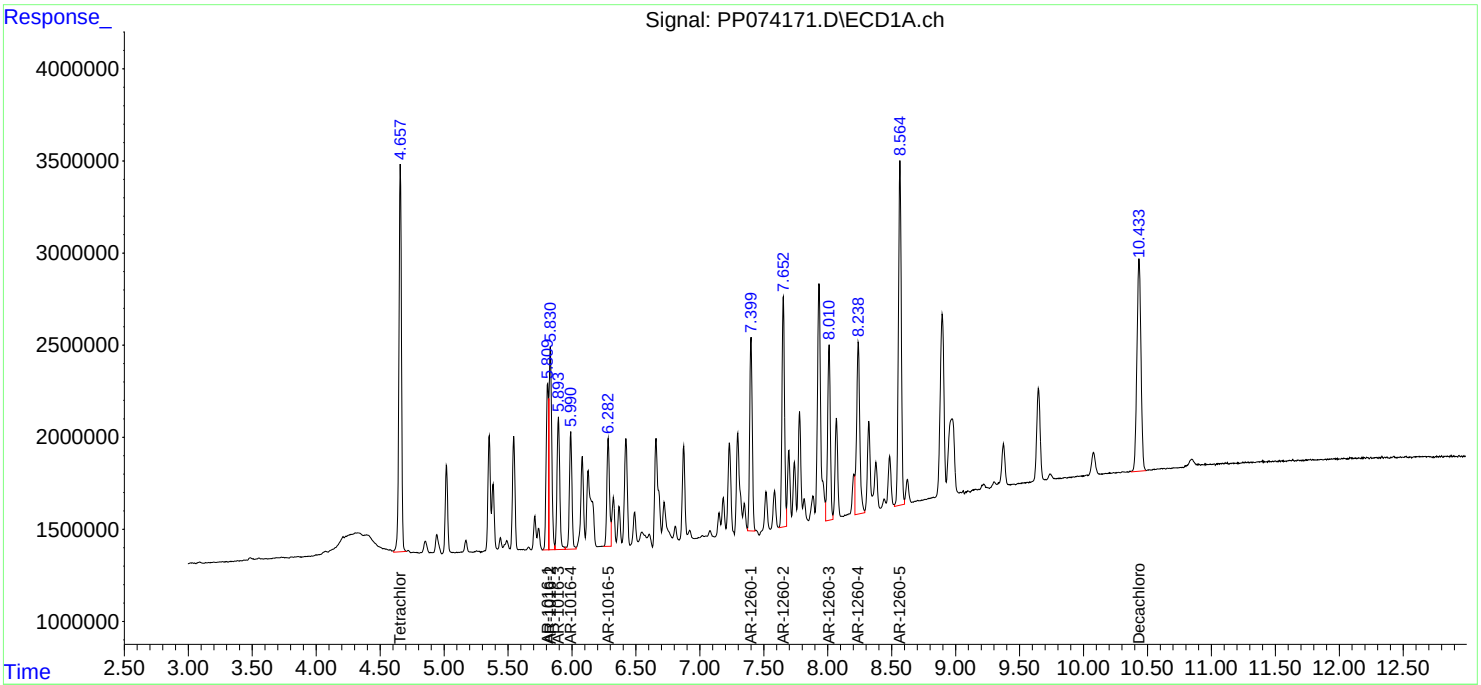
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

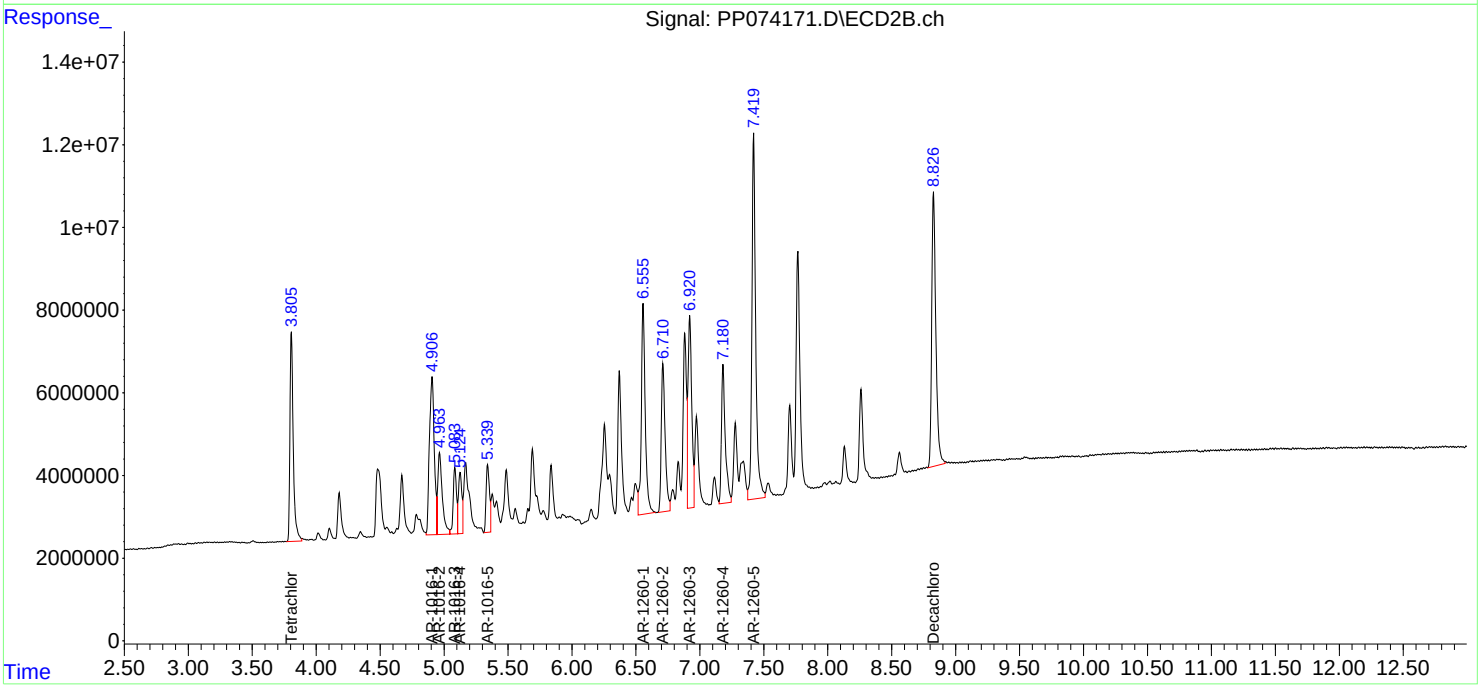
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 13:10:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:02:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 13:42
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 13:58:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:58:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.804	6638630	15510226	5.935m	4.043m#
2)	SA Decachlor...	10.437	8.827	5756903	28876514	5.928	4.802
	Target Compounds						
3)	L1 AR-1016-1	5.813	4.906	2530723	19510776	61.341	48.913
4)	L1 AR-1016-2	5.835	4.966	3683827	8691681	60.647	46.279
5)	L1 AR-1016-3	5.897	5.084	2431131	4936579	61.299	46.541
6)	L1 AR-1016-4	5.994	5.124	1899628	5793266	58.370	53.042
7)	L1 AR-1016-5	6.287	5.341	1907560	5656312	58.752	48.360
31)	L7 AR-1260-1	7.404	6.556	3495993	19010301	62.034	47.060
32)	L7 AR-1260-2	7.656	6.709	4438588	17001537	64.615m	54.991m
33)	L7 AR-1260-3	8.015	6.920	3281661	17861059	61.574	45.319 #
34)	L7 AR-1260-4	8.242	7.180	3752198	13633196	59.829m	46.853
35)	L7 AR-1260-5	8.568	7.418	7025863	32144633	62.008	42.440 #

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 13:42
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 50 Sample Multiplier: 1

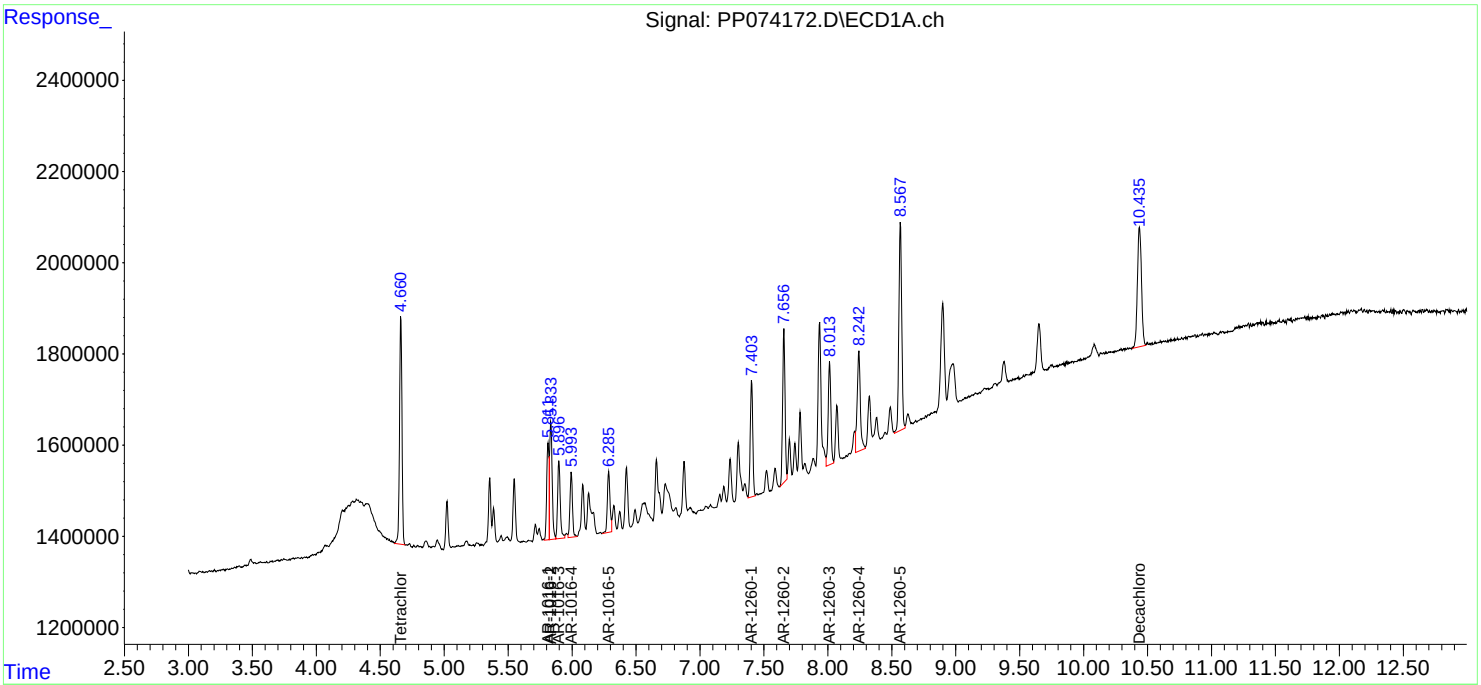
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

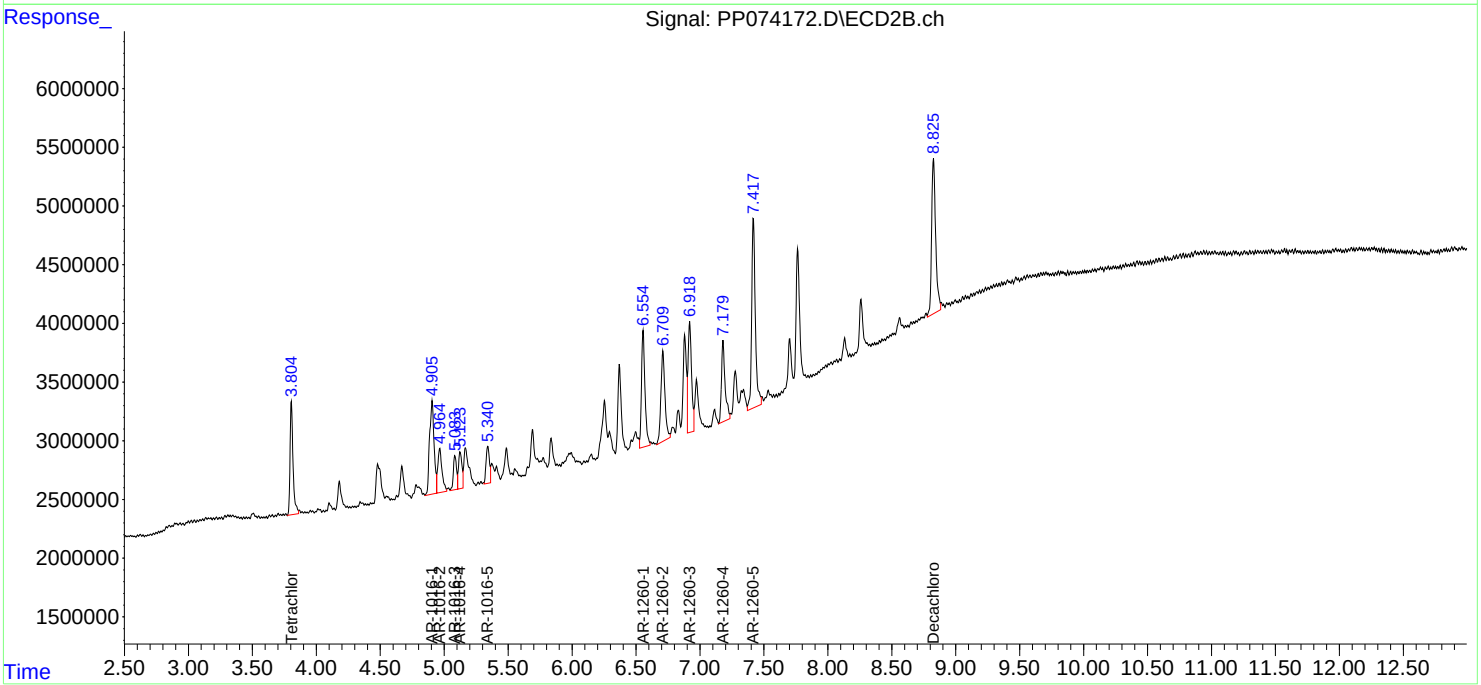
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 13:58:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 13:58:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 13:58
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: Aug 01 15:14:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:13:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.658	3.803	54821028	195.8E6	50.000	50.000
2)	SA Decachlor...	10.435	8.825	46278402	298.9E6	50.000	50.000
	Target Compounds						
8)	L2 AR-1221-1	4.858	4.015	8381808	24542587	500.000	500.000
9)	L2 AR-1221-2	4.944	4.100	6300527	17944660	500.000	500.000
10)	L2 AR-1221-3	5.019	4.176	18317605	67612277	500.000	500.000

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

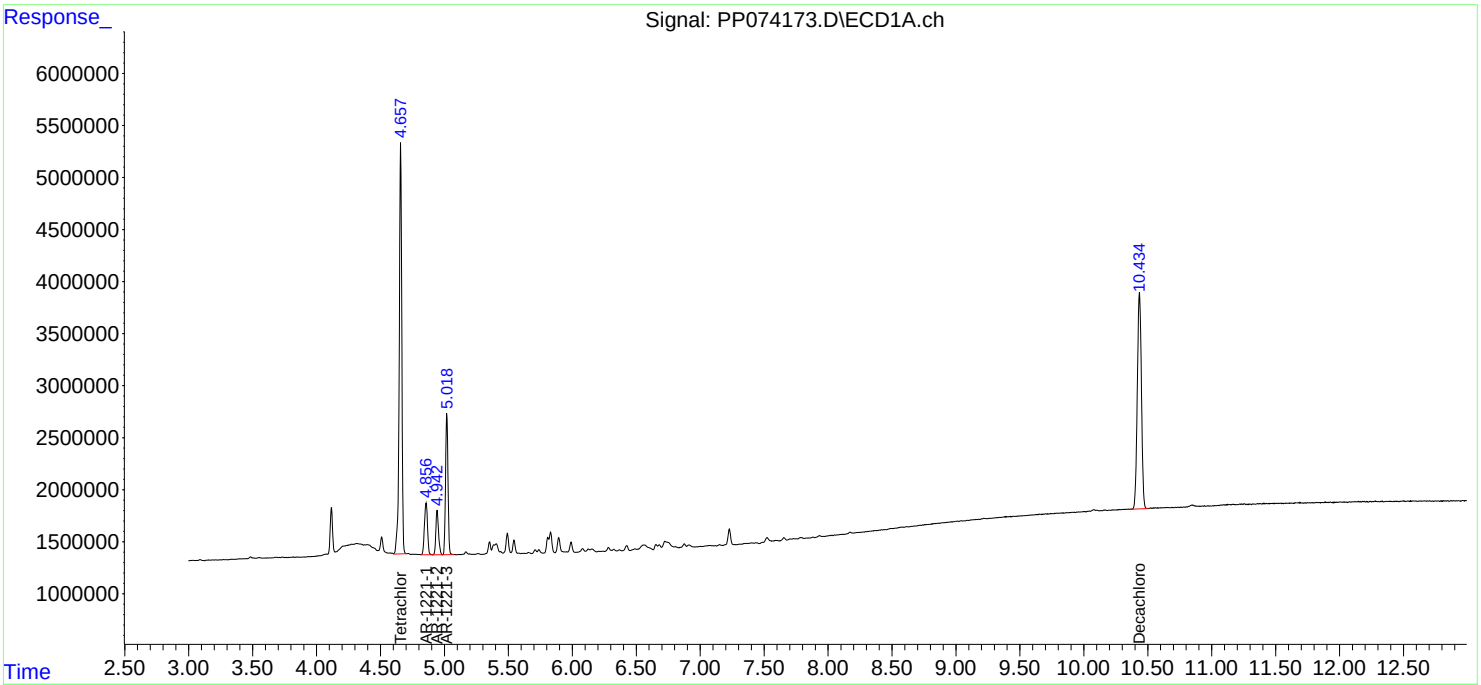
ICAL Form

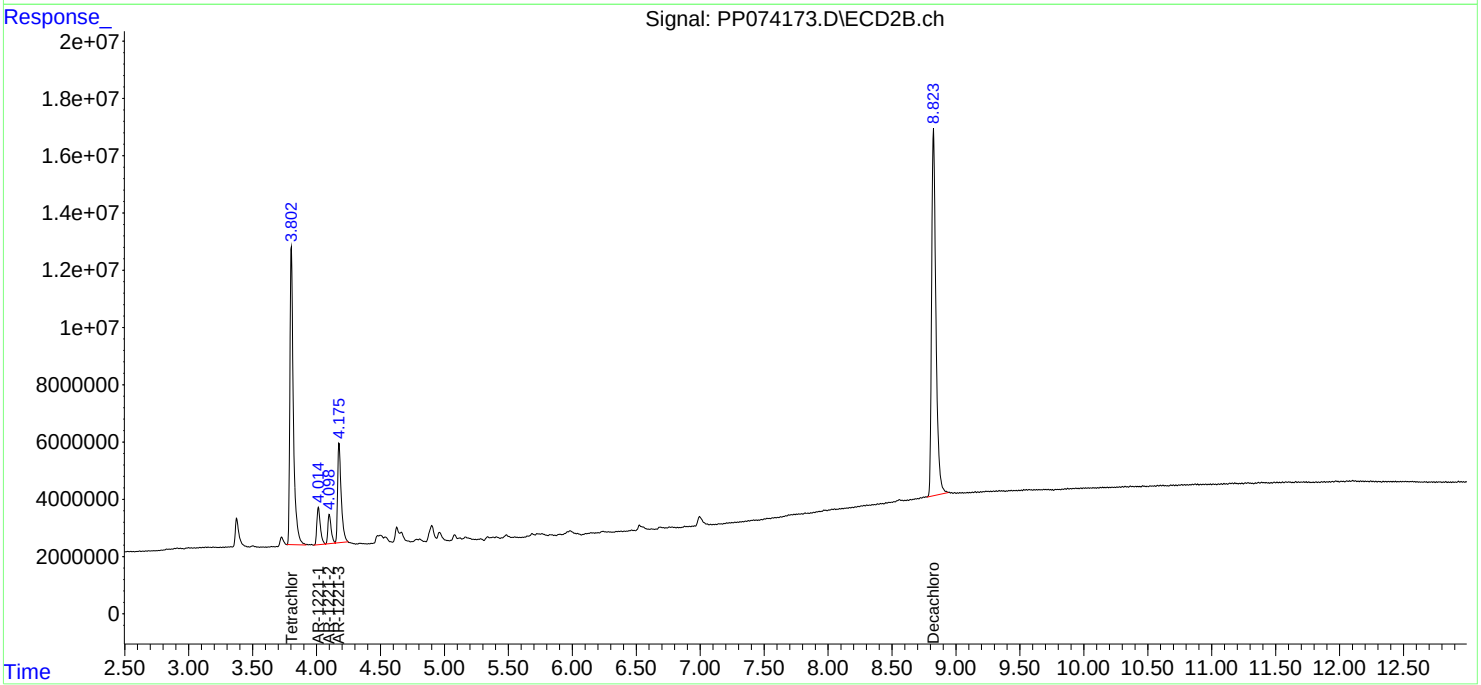
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 13:58
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:14:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:13:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 14:15
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:17:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:13:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.804	54684846	201.8E6	50.000	50.000
2)	SA Decachlor...	10.437	8.826	47117835	301.0E6	50.000	50.000
	Target Compounds						
11)	L3 AR-1232-1	5.020	4.177	14518661	50681220	500.000	500.000
12)	L3 AR-1232-2	5.546	4.904	7521357	87133099	500.000	500.000
13)	L3 AR-1232-3	5.832	5.081	14500854	22908311	500.000	500.000
14)	L3 AR-1232-4	5.993	5.164	7734413	29005356	500.000	502.399m
15)	L3 AR-1232-5	6.082	5.338	5858006	23489726	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 14:15
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

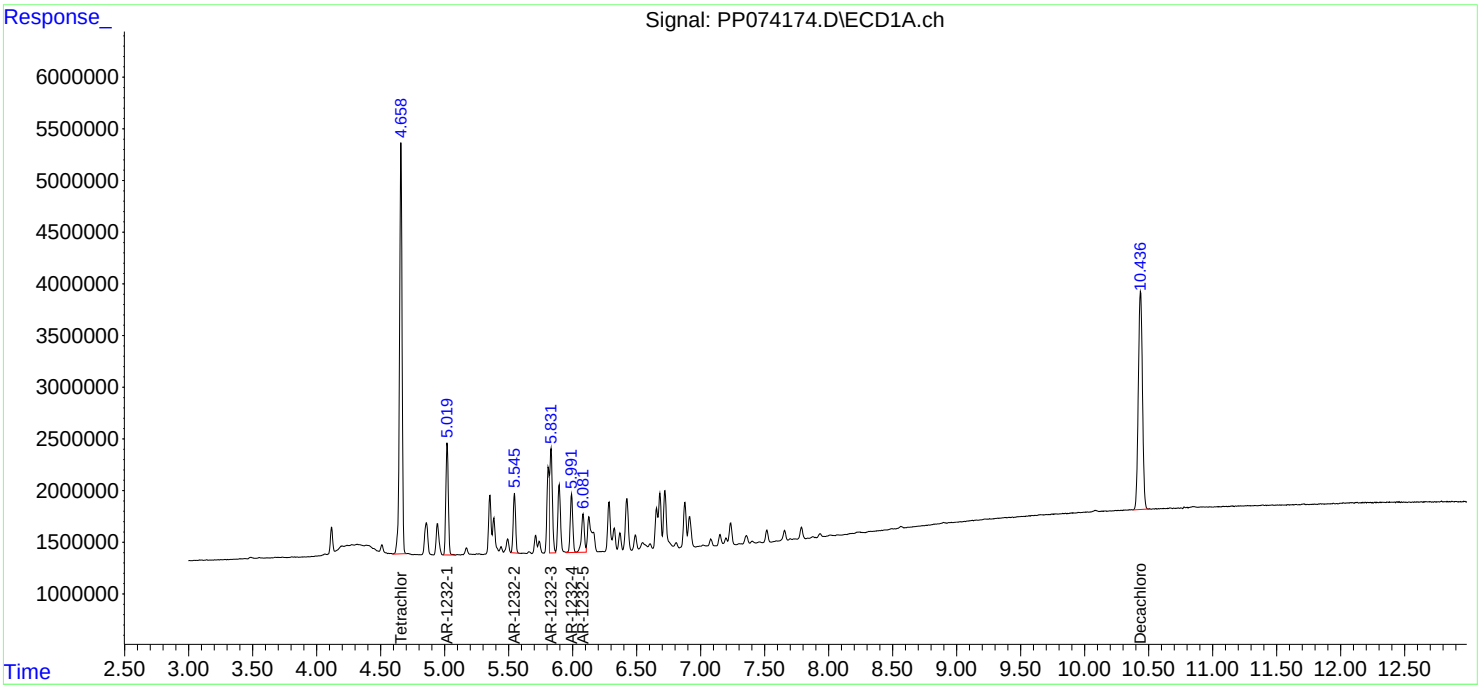
Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

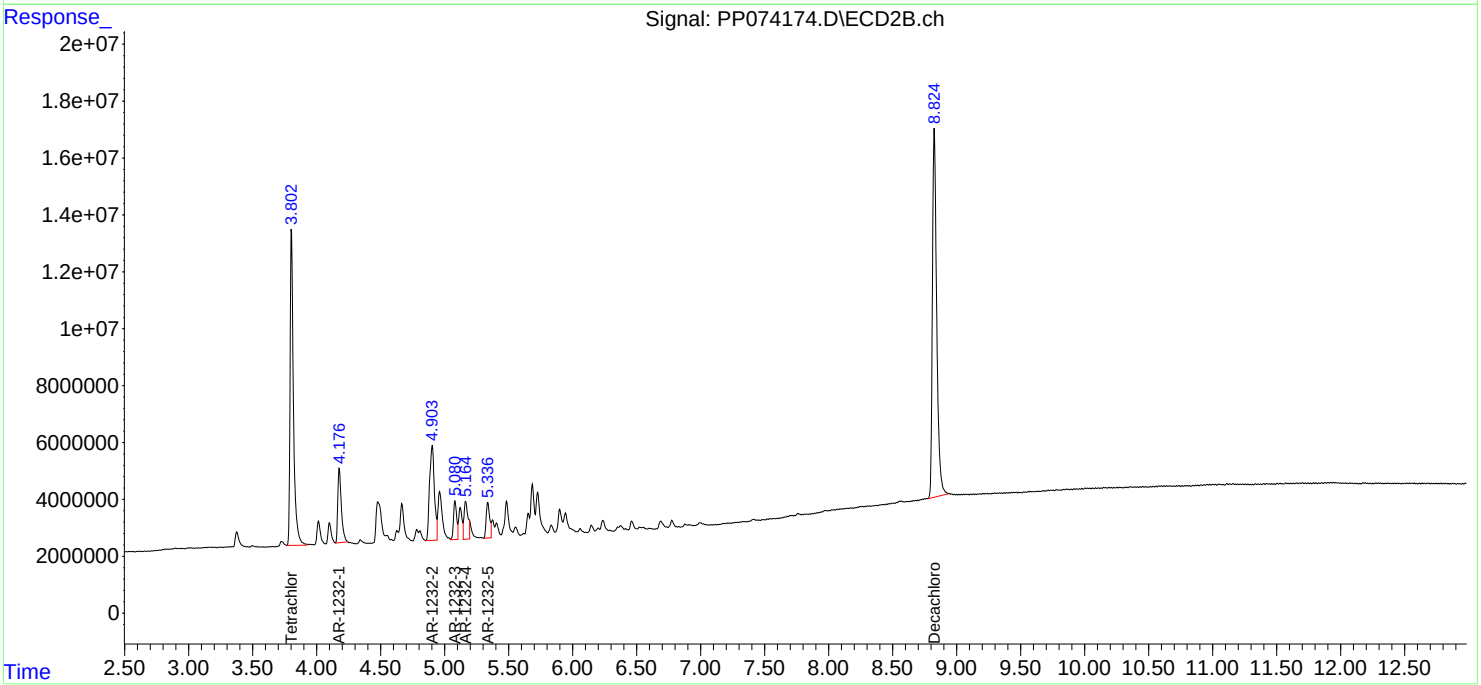
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:17:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:13:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 14:31
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:23:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:20:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.804	104.3E6	438.1E6	95.872	101.577
2)	SA Decachlor...	10.436	8.825	88078600	618.2E6	94.444	98.714
	Target Compounds						
16)	L4 AR-1242-1	5.811	4.905	31512428	341.3E6	934.658	978.632
17)	L4 AR-1242-2	5.832	4.962	47421171	162.7E6	943.850	992.758
18)	L4 AR-1242-3	5.896	5.082	30290298	93075141	931.794	1005.327
19)	L4 AR-1242-4	5.992	5.164	25177060	117.3E6	934.754	940.884m
20)	L4 AR-1242-5	6.721	5.686	29128304	140.7E6	916.924	973.631

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 14:31
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

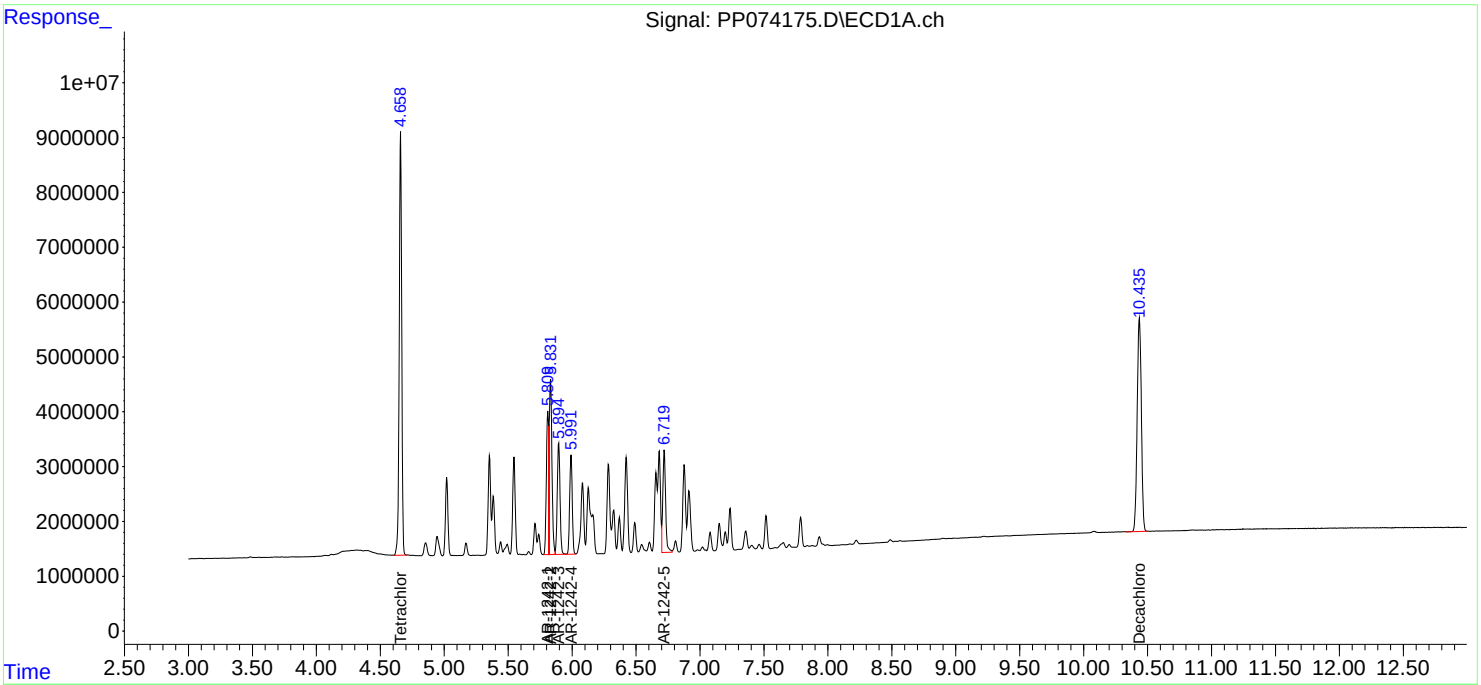
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

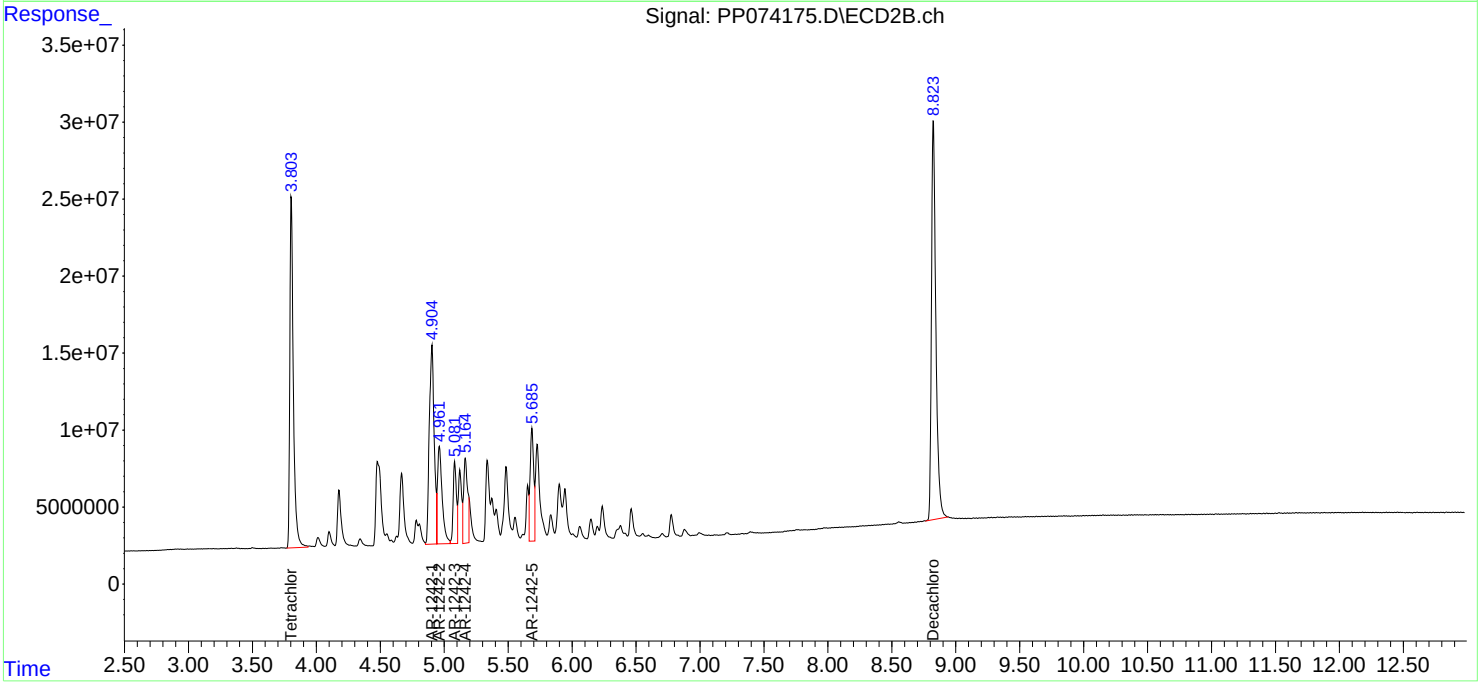
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:23:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:20:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 14:47
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:26:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:20:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.662	3.803	80676637	324.0E6	74.425	75.083
2)	SA Decachlor...	10.438	8.824	68962955	464.9E6	74.295	74.485
	Target Compounds						
16)	L4 AR-1242-1	5.813	4.904	25064705	261.4E6	745.599	749.732
17)	L4 AR-1242-2	5.835	4.960	37017188	128.7E6	741.131	773.381
18)	L4 AR-1242-3	5.898	5.081	24057234	72718391	743.338	773.266
19)	L4 AR-1242-4	5.995	5.163	19974989	87588686	744.389	713.205m
20)	L4 AR-1242-5	6.724	5.685	24065795	114.3E6	755.025	776.822

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 14:47
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

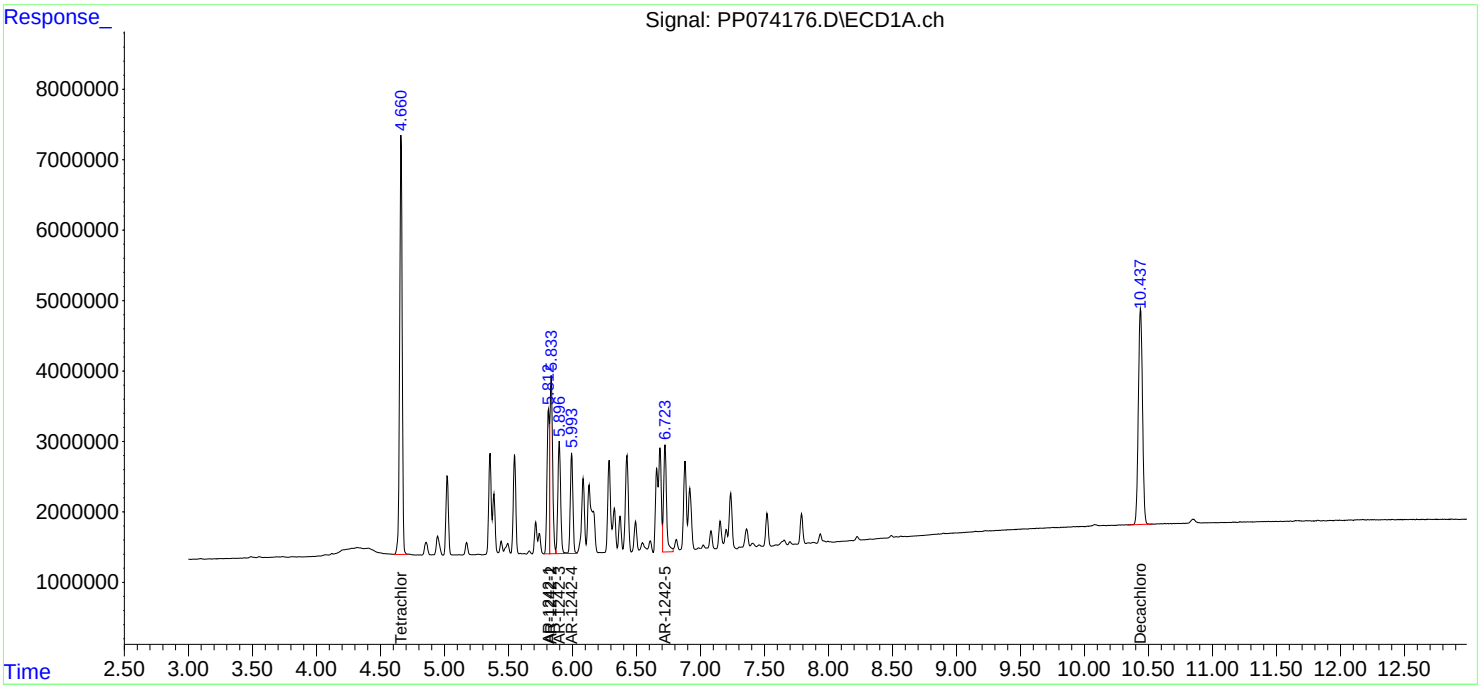
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

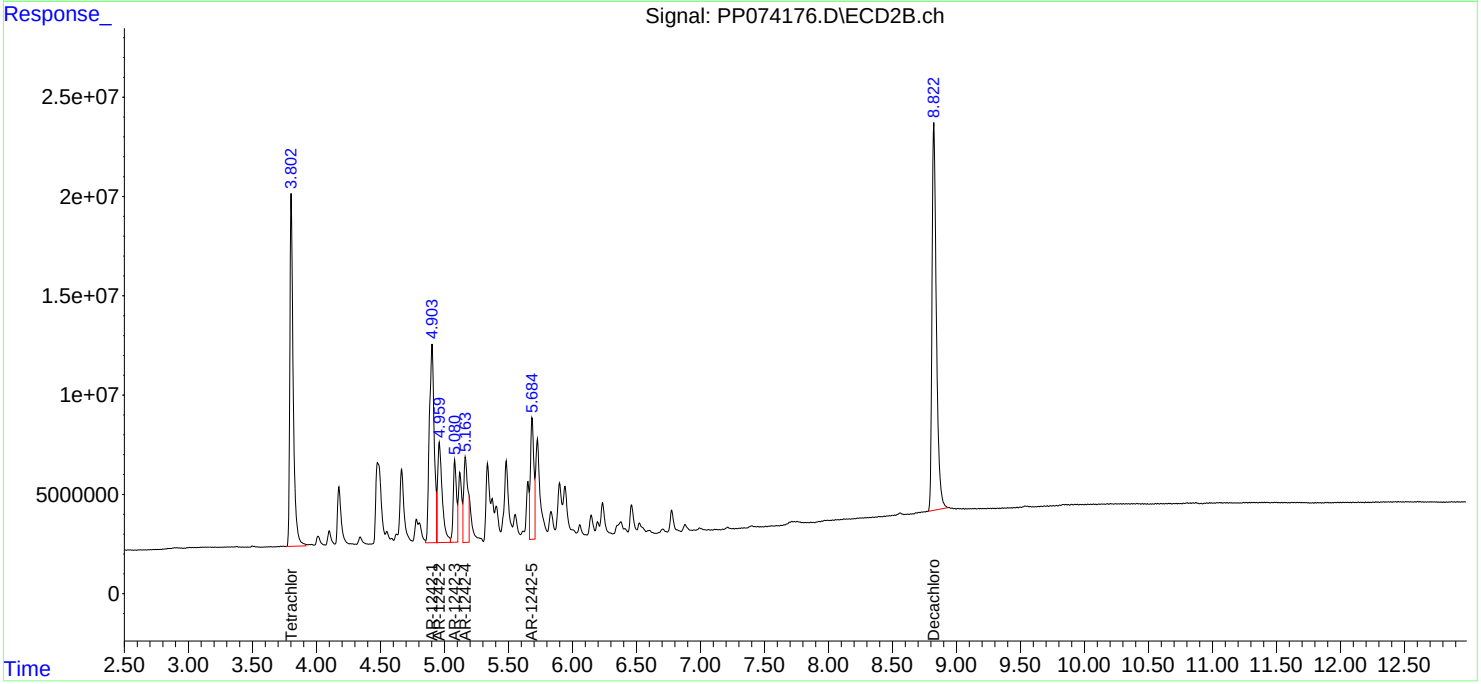
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:26:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:20:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 15:03
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:21:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:20:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.805	56653742	212.2E6	50.000	50.000
2)	SA Decachlor...	10.434	8.826	49220928	317.2E6	50.000	50.000
	Target Compounds						
16)	L4 AR-1242-1	5.808	4.905	17959256	178.1E6	500.000	500.000
17)	L4 AR-1242-2	5.830	4.963	26531667	82516708	500.000	500.000
18)	L4 AR-1242-3	5.893	5.084	17362372	46044427	500.000	500.000
19)	L4 AR-1242-4	5.990	5.164	14345906	63188535	500.000	505.329m
20)	L4 AR-1242-5	6.719	5.687	17203244	74177320	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 15:03
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

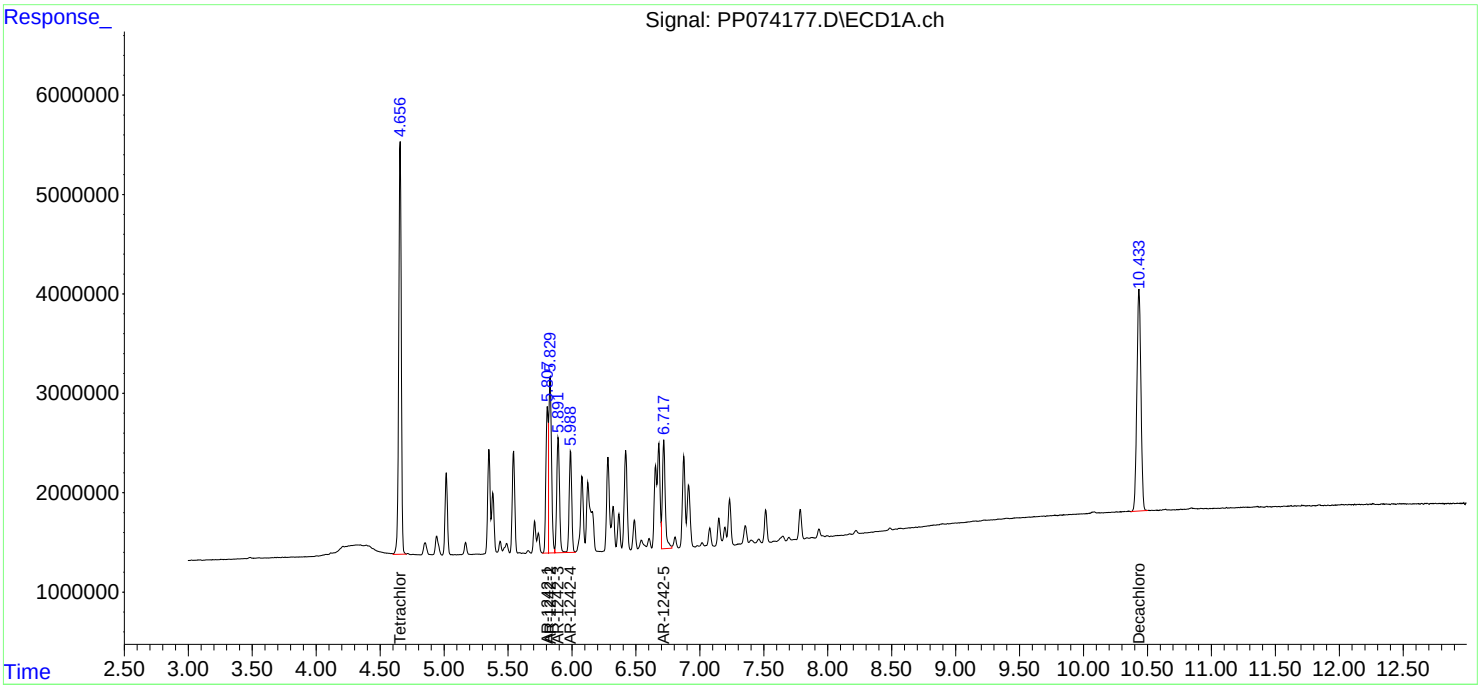
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

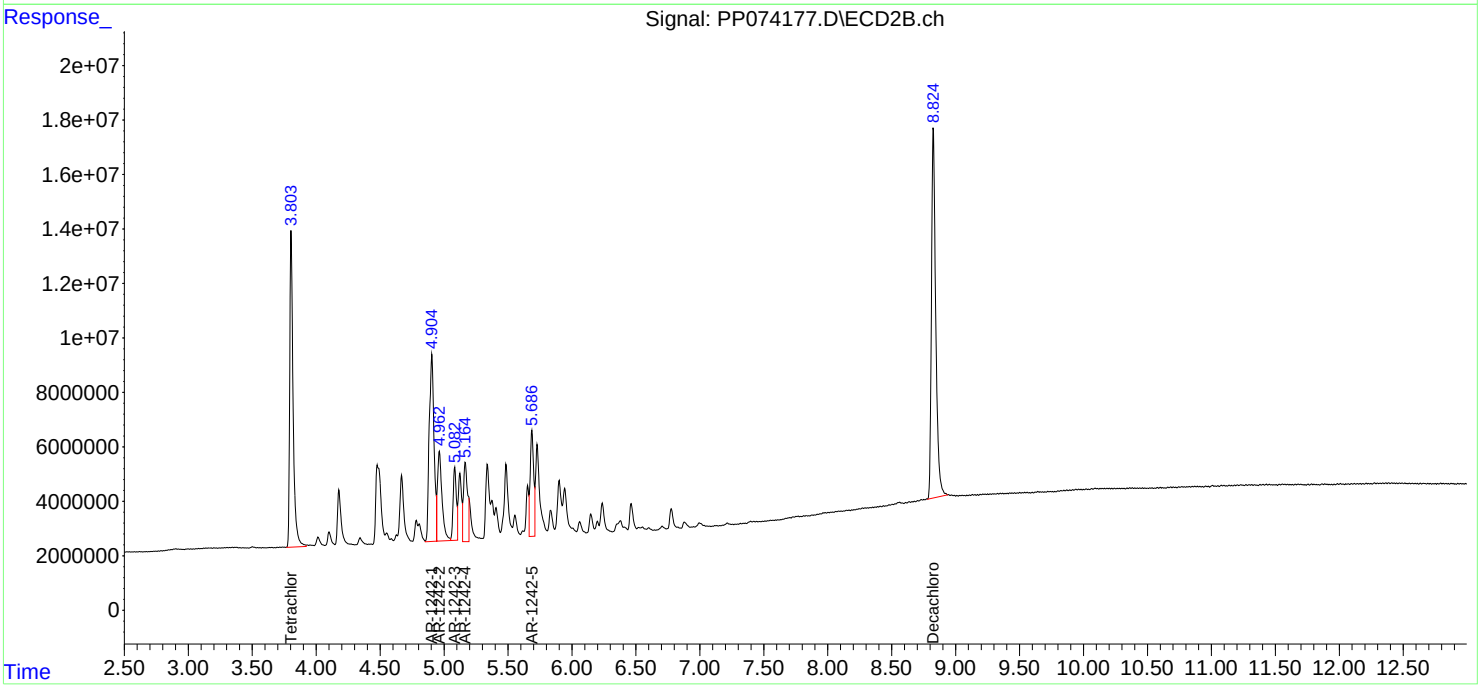
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:21:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:20:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 15:19
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:30:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:20:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.662	3.805	30064825	99448361	26.997	23.506
2)	SA Decachlor...	10.436	8.824	26416078	156.4E6	27.507	25.039
	Target Compounds						
16)	L4 AR-1242-1	5.812	4.906	9924005	89565172	282.440	255.127
17)	L4 AR-1242-2	5.834	4.964	14472673	42174411	278.680	252.533
18)	L4 AR-1242-3	5.897	5.084	9547202	24305838	282.294	256.293
19)	L4 AR-1242-4	5.994	5.165	7737538	30145402	277.699	249.527m
20)	L4 AR-1242-5	6.721	5.687	9674193	38870481	289.648m	260.436

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 15:19
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

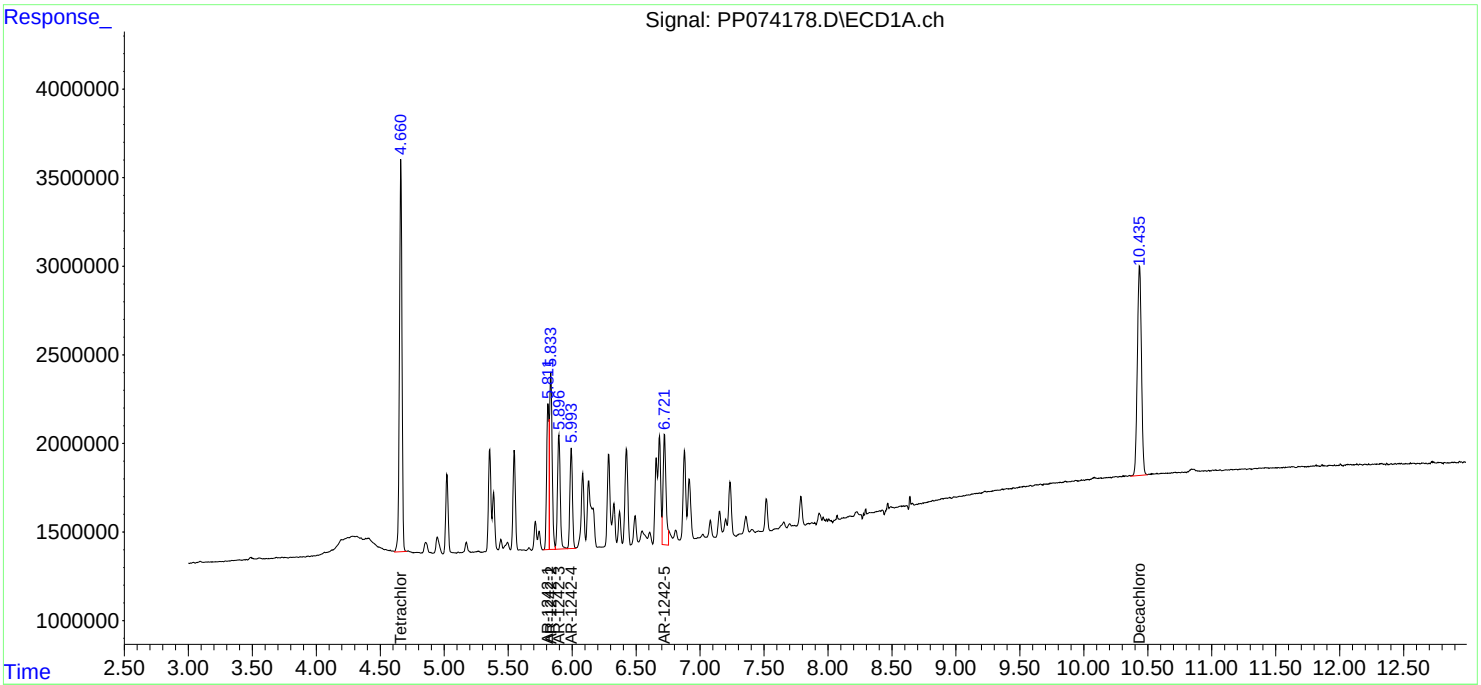
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

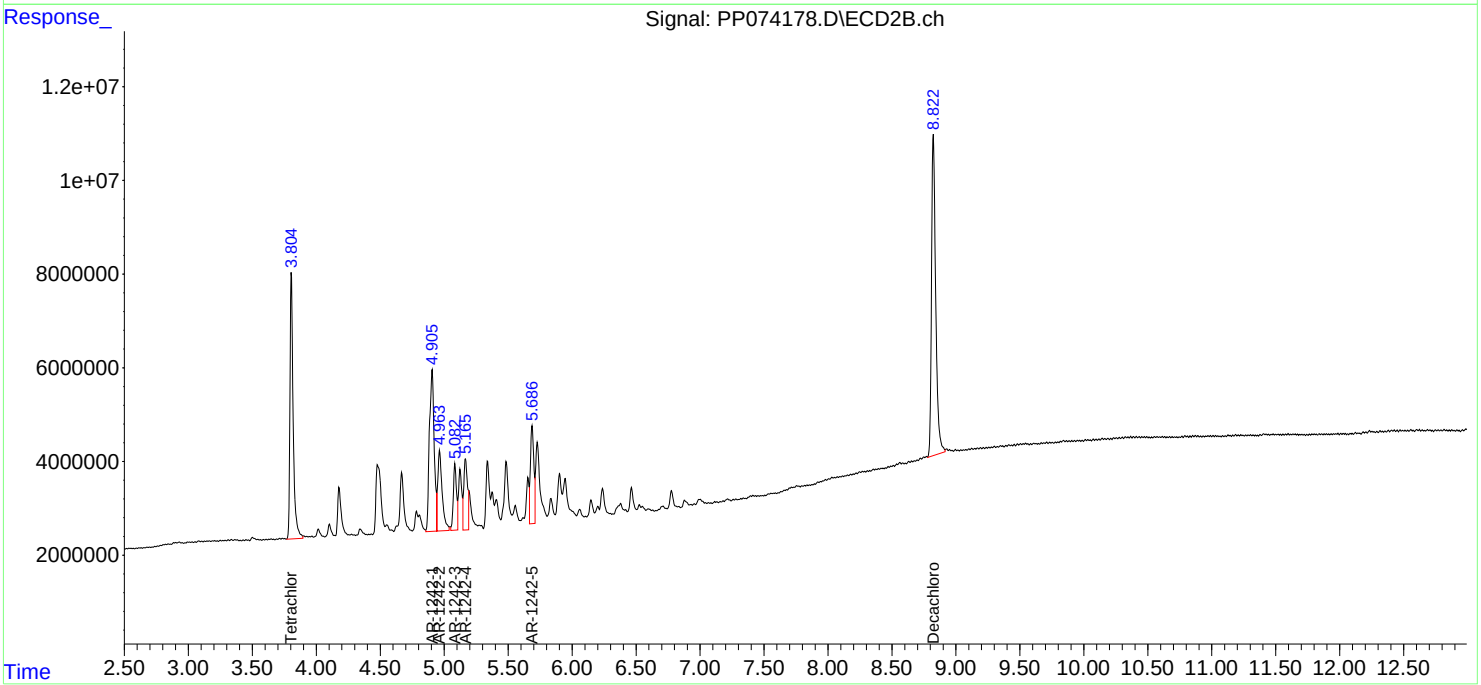
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:30:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:20:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 15:36
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:58:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:57:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.802	6853903	15691561	5.892m	3.915m#
2)	SA Decachlor...	10.432	8.821	6026260	28194628	5.971	4.604
	Target Compounds						
16)	L4 AR-1242-1	5.810	4.903	2289125	16072866	61.427	46.569
17)	L4 AR-1242-2	5.832	4.962	3215660	7443347	59.102	45.559
18)	L4 AR-1242-3	5.895	5.082	2169957	4094869	60.722	44.390 #
19)	L4 AR-1242-4	5.991	5.163	1732044	5803584	59.279	48.597
20)	L4 AR-1242-5	6.720	5.686	2173540	7539678	56.364m	50.412

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 15:36
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

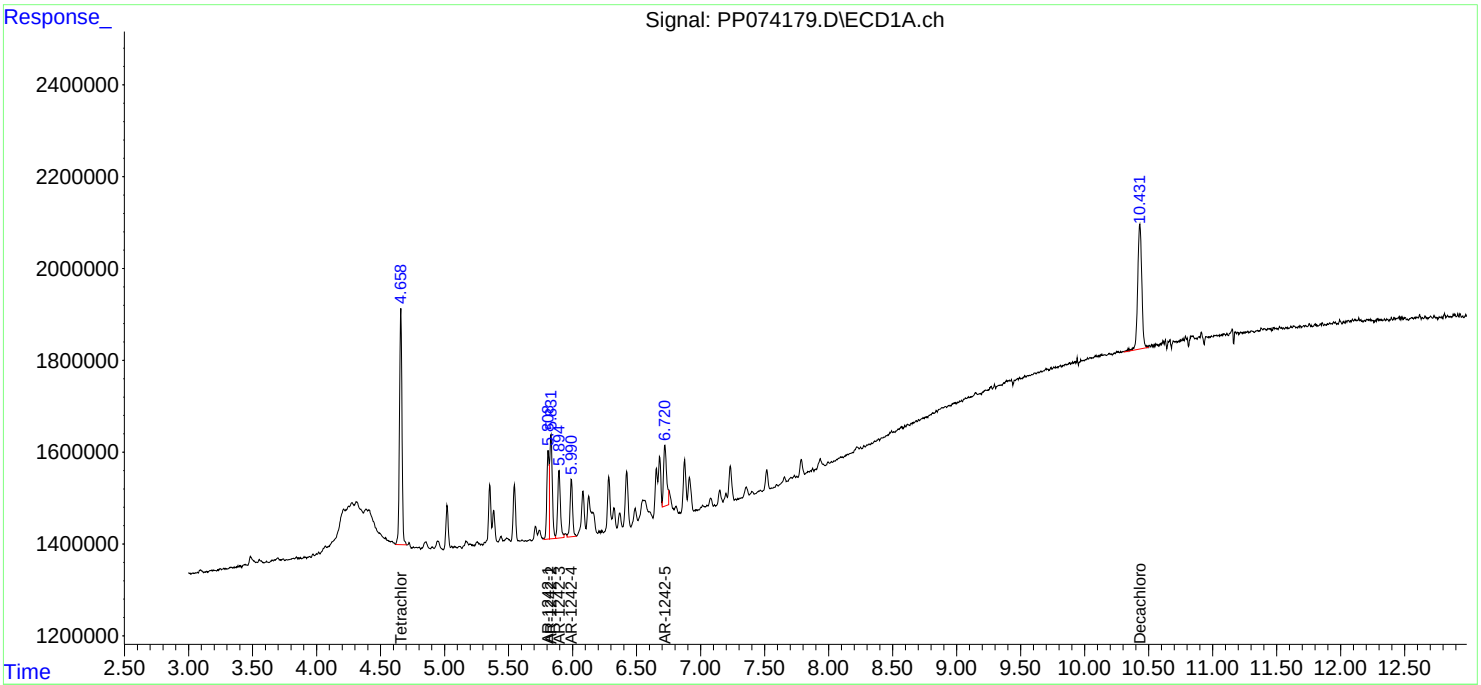
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

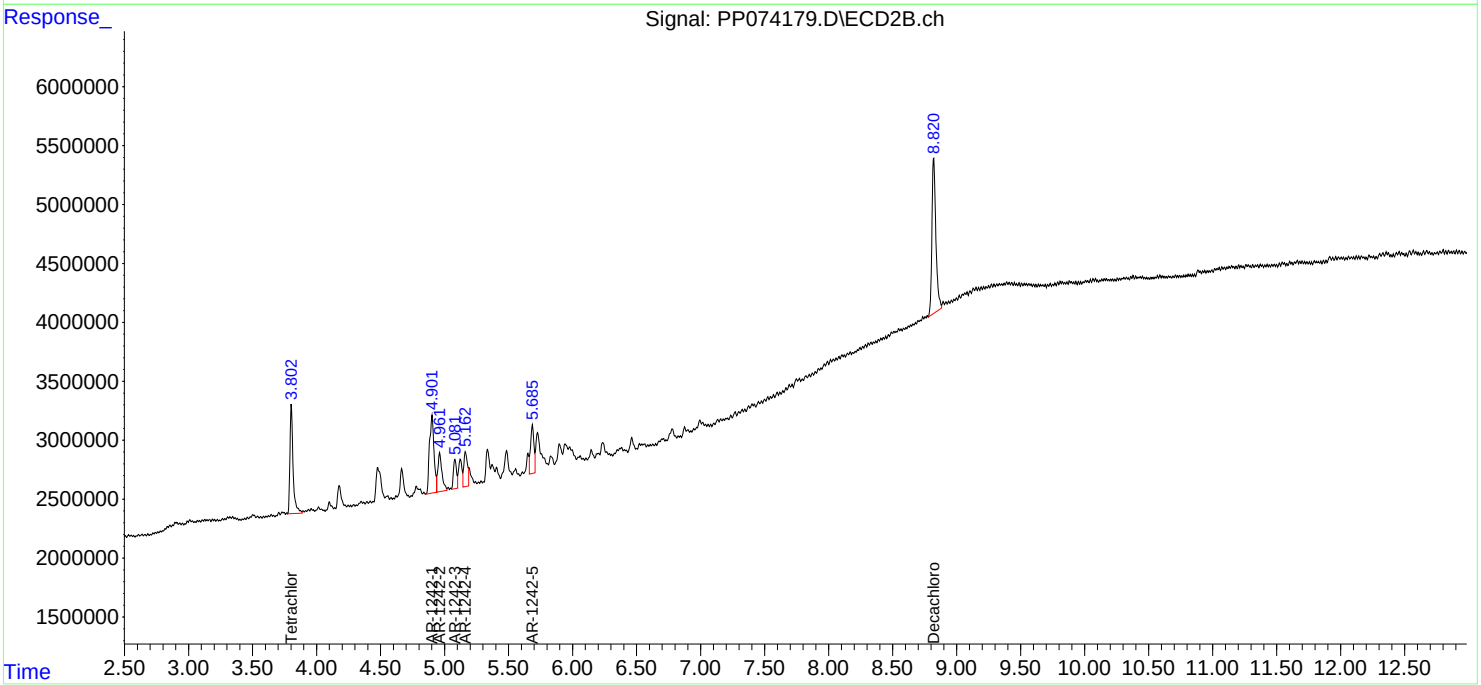
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 15:58:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 15:57:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 16:57
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 23:35:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 23:33:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.805	54922987	197.2E6	50.000	50.000
2)	SA Decachlor...	10.433	8.824	48401219	304.7E6	50.000	50.000
	Target Compounds						
21)	L5 AR-1248-1	5.810	4.903	14191296	111.8E6	500.000	500.000
22)	L5 AR-1248-2	6.082	5.124	20093773	73885161	500.000	500.000
23)	L5 AR-1248-3	6.284	5.164	22320416	89773071	500.000	477.333m
24)	L5 AR-1248-4	6.682	5.338	25791080	83528426	500.000	500.000
25)	L5 AR-1248-5	6.721	5.727	26620059	151.4E6	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 16:57
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

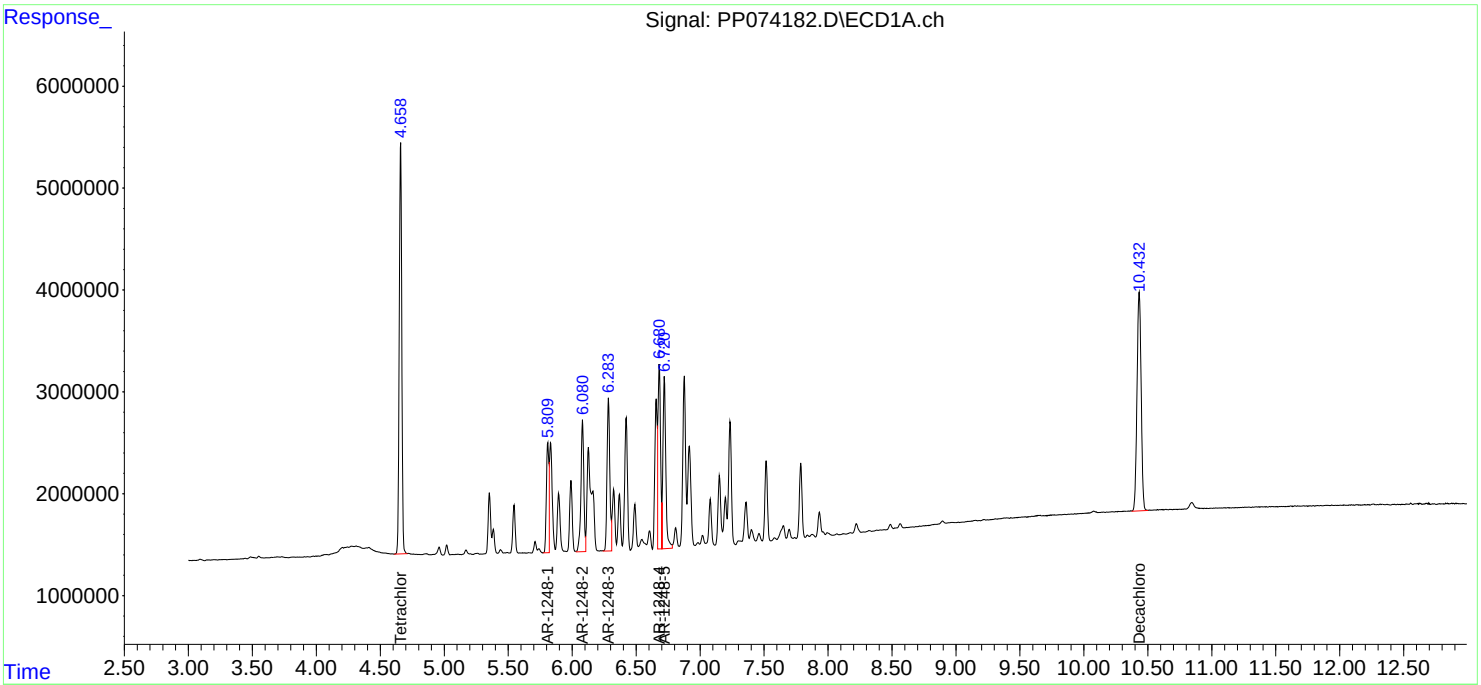
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

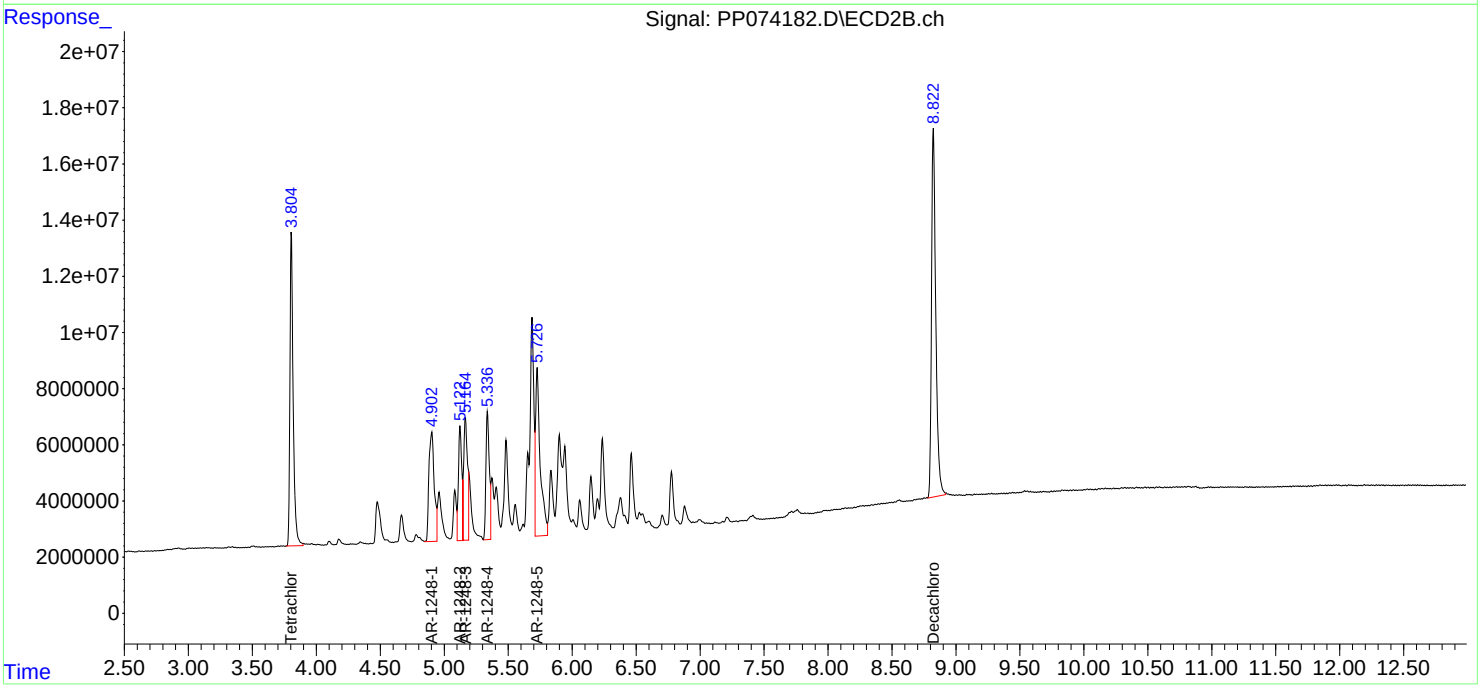
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 23:35:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Aug 01 23:33:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 18:02
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 00:47:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 00:46:23 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...	4.660	3.805	105.5E6	435.9E6	94.708	107.891
2)	SA Decachlor...	10.433	8.824	90161394	620.7E6	92.084	101.439
	Target Compounds						
26)	L6 AR-1254-1	6.658	5.689	49559228	384.6E6	913.982m	998.639
27)	L6 AR-1254-2	6.875	5.835	70079706	284.4E6	896.542	1000.895
28)	L6 AR-1254-3	7.237	6.238	76495408	520.2E6	905.487	1022.453
29)	L6 AR-1254-4	7.518	6.464	57834344	378.1E6	911.799	1002.531
30)	L6 AR-1254-5	7.934	6.880	73335985	425.1E6	909.260	1067.360m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 18:02
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

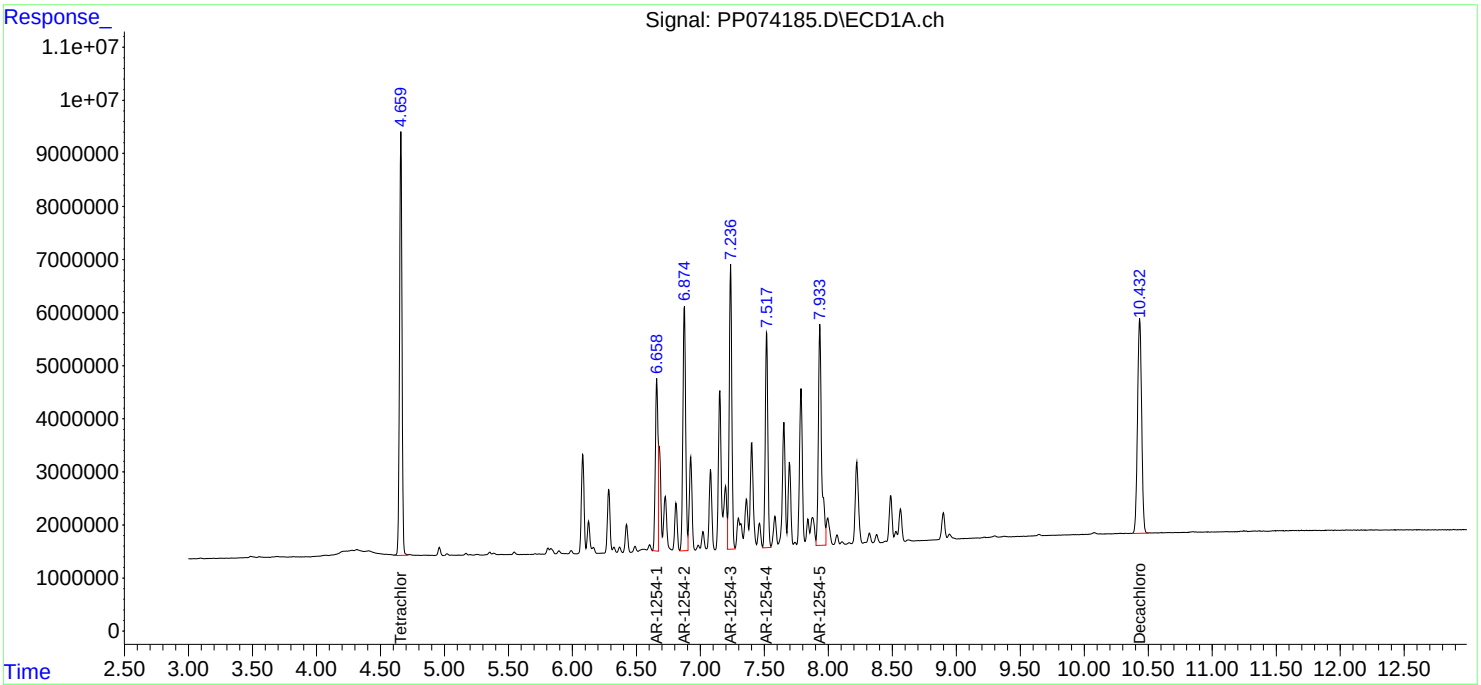
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

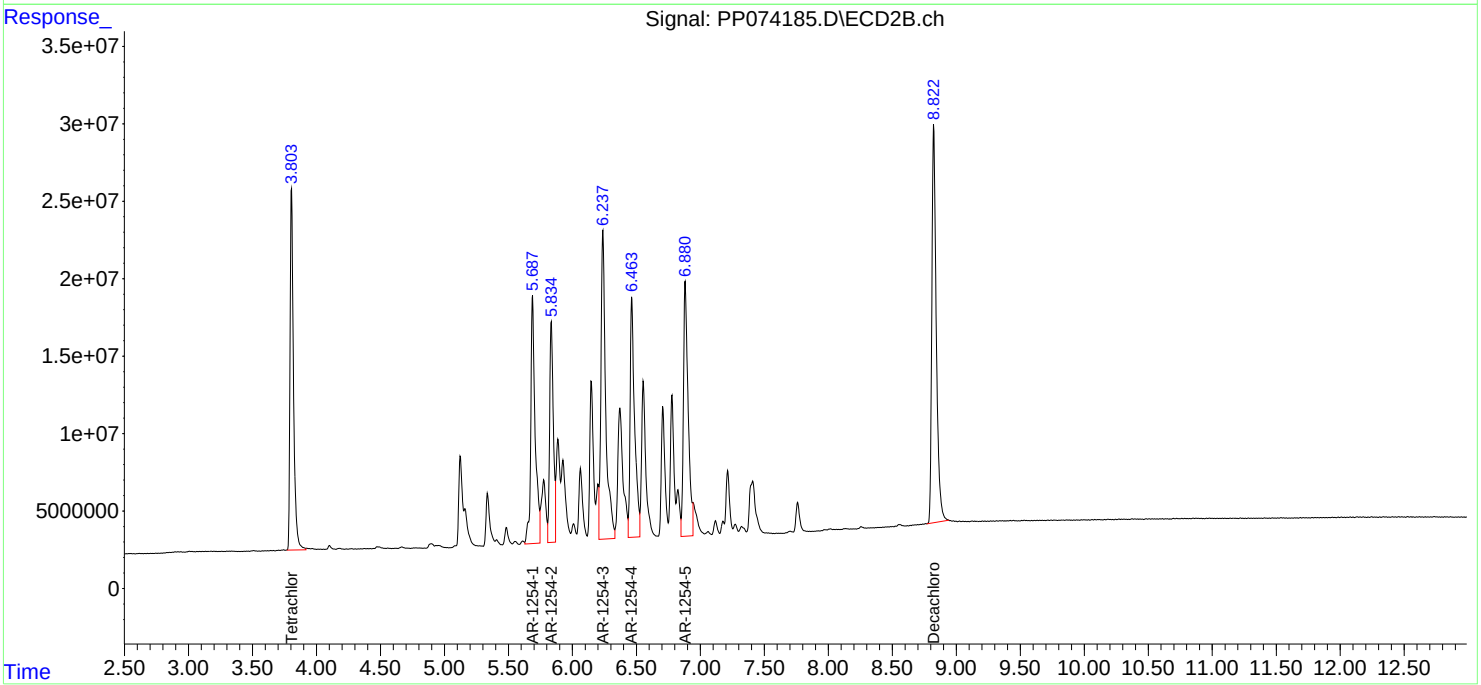
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 00:47:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 00:46:23 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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 18:18
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 00:47:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 00:46:23 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...	4.659	3.804	80274871	316.5E6	72.041	78.350
2)	SA Decachlor...	10.433	8.823	69679431	463.5E6	71.165	75.743
	Target Compounds						
26)	L6 AR-1254-1	6.657	5.688	37358301	271.1E6	688.970m	703.976
27)	L6 AR-1254-2	6.874	5.835	54514978	207.5E6	697.420	730.114
28)	L6 AR-1254-3	7.236	6.237	59505451	390.5E6	704.374	767.509
29)	L6 AR-1254-4	7.517	6.464	44944937	292.2E6	708.589	774.901
30)	L6 AR-1254-5	7.933	6.881	57058661	308.2E6	707.445	773.995

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 18:18
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

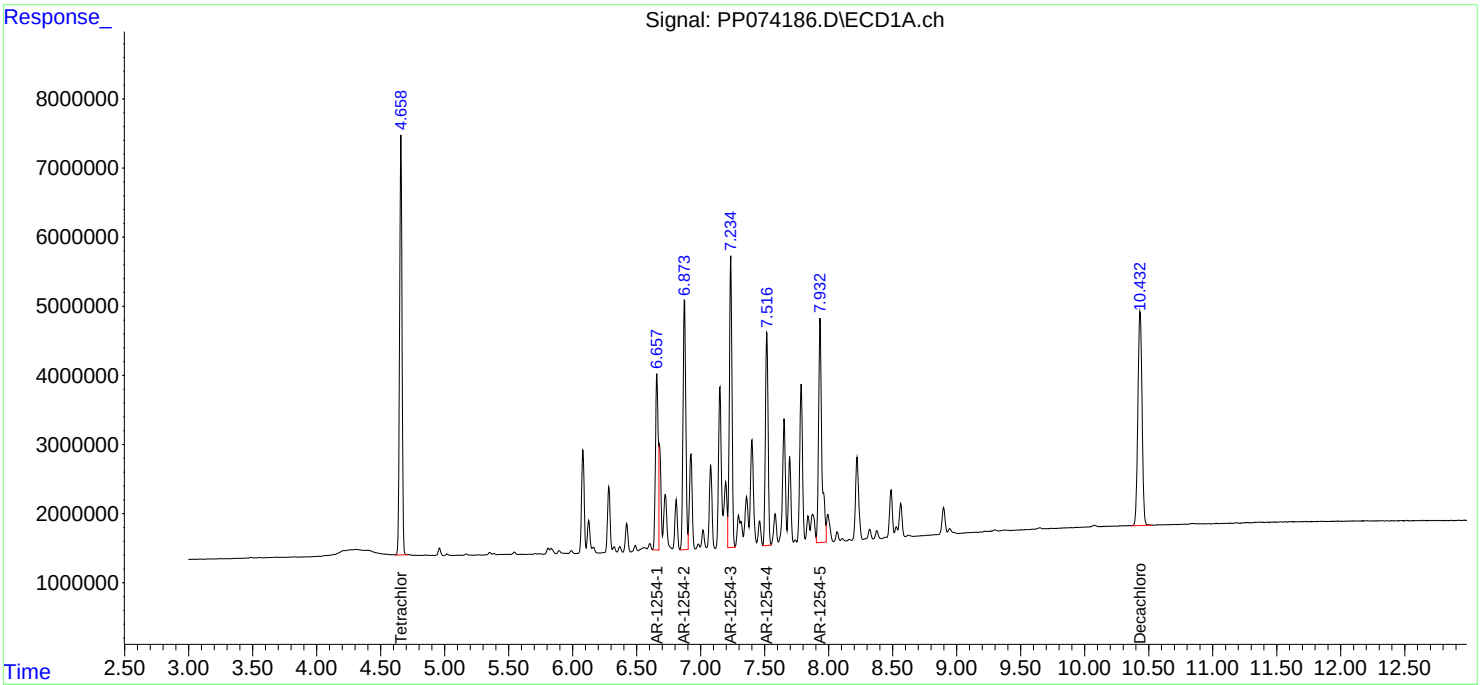
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

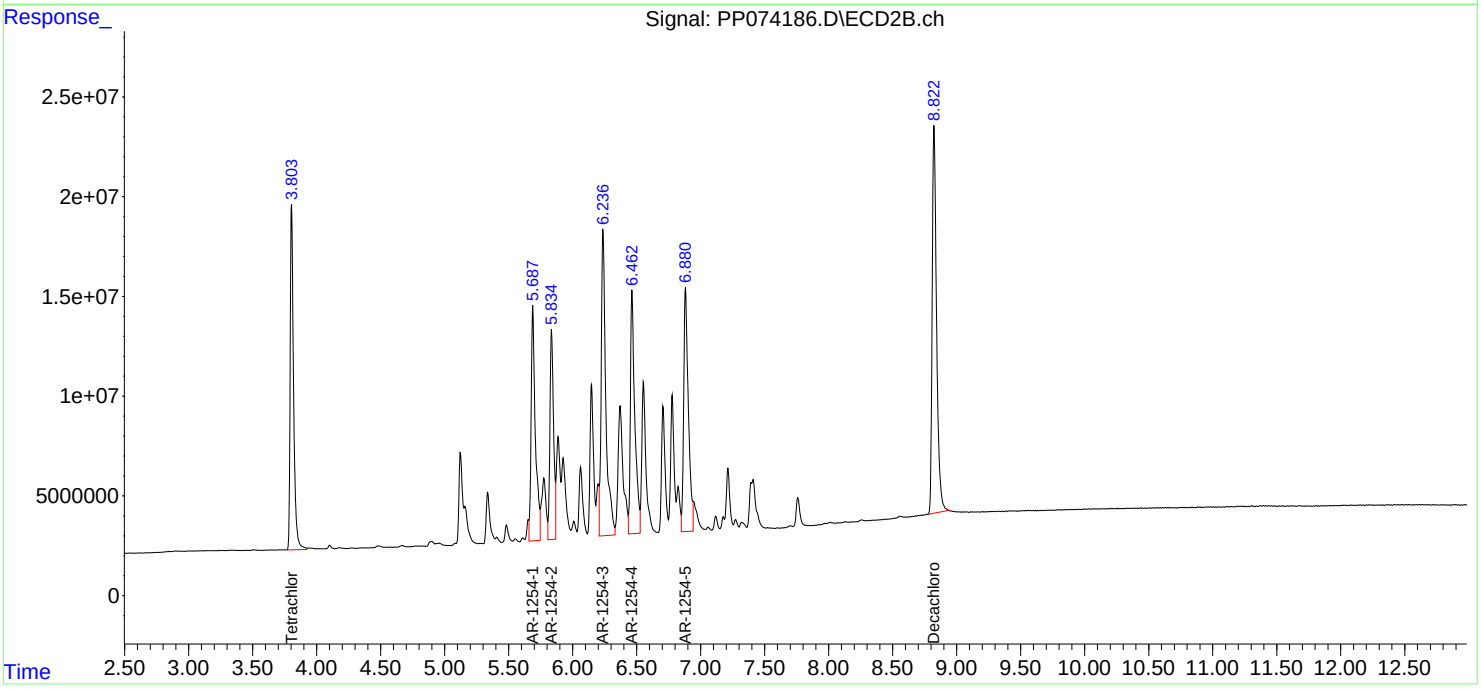
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 00:47:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 00:46:23 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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 18:34
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 00:47:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 00:46:23 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...	4.658	3.803	55714538	202.0E6	50.000	50.000
2)	SA Decachlor...	10.432	8.822	48956102	305.9E6	50.000	50.000
	Target Compounds						
26)	L6 AR-1254-1	6.657	5.687	26953630	192.5E6	497.085m	500.000
27)	L6 AR-1254-2	6.874	5.834	39083346	142.1E6	500.000	500.000
28)	L6 AR-1254-3	7.236	6.237	42239930	254.4E6	500.000	500.000
29)	L6 AR-1254-4	7.517	6.463	31714402	188.5E6	500.000	500.000
30)	L6 AR-1254-5	7.933	6.880	40327283	199.1E6	500.000	500.000

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 18:34
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

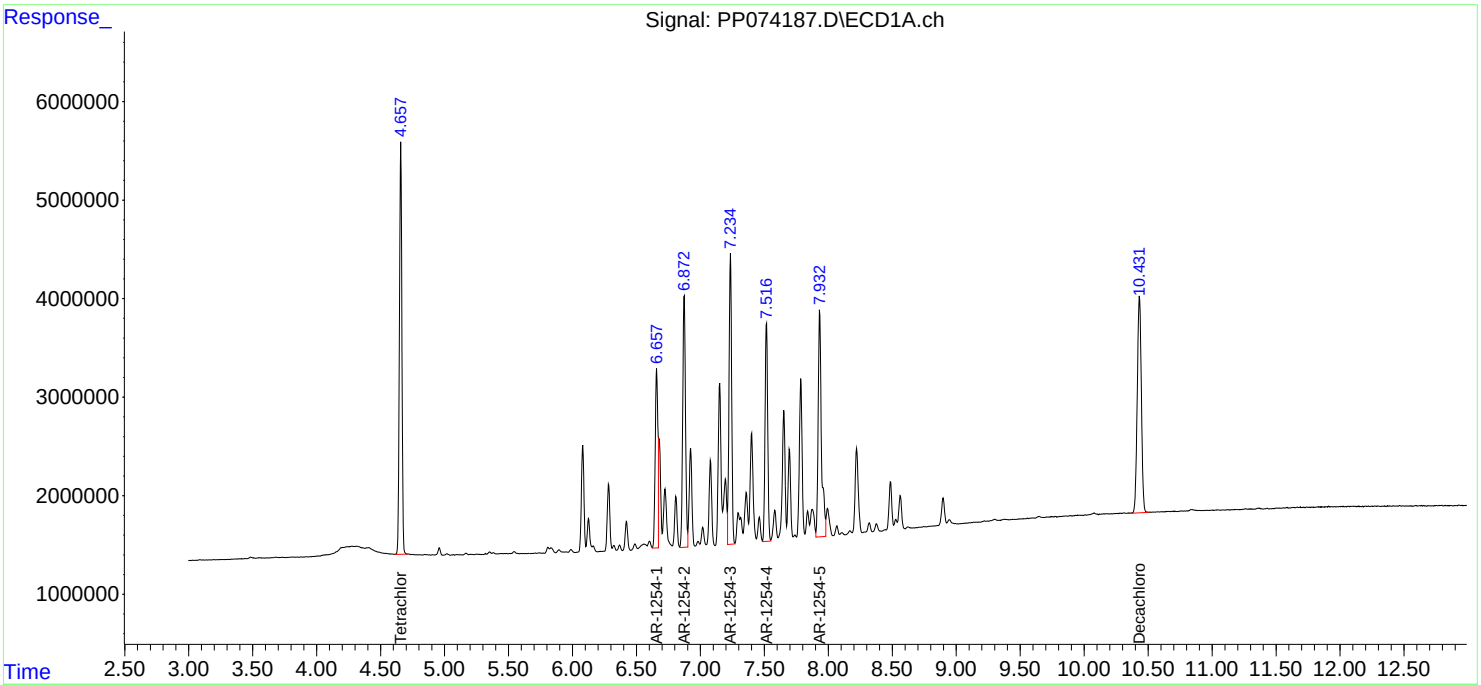
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

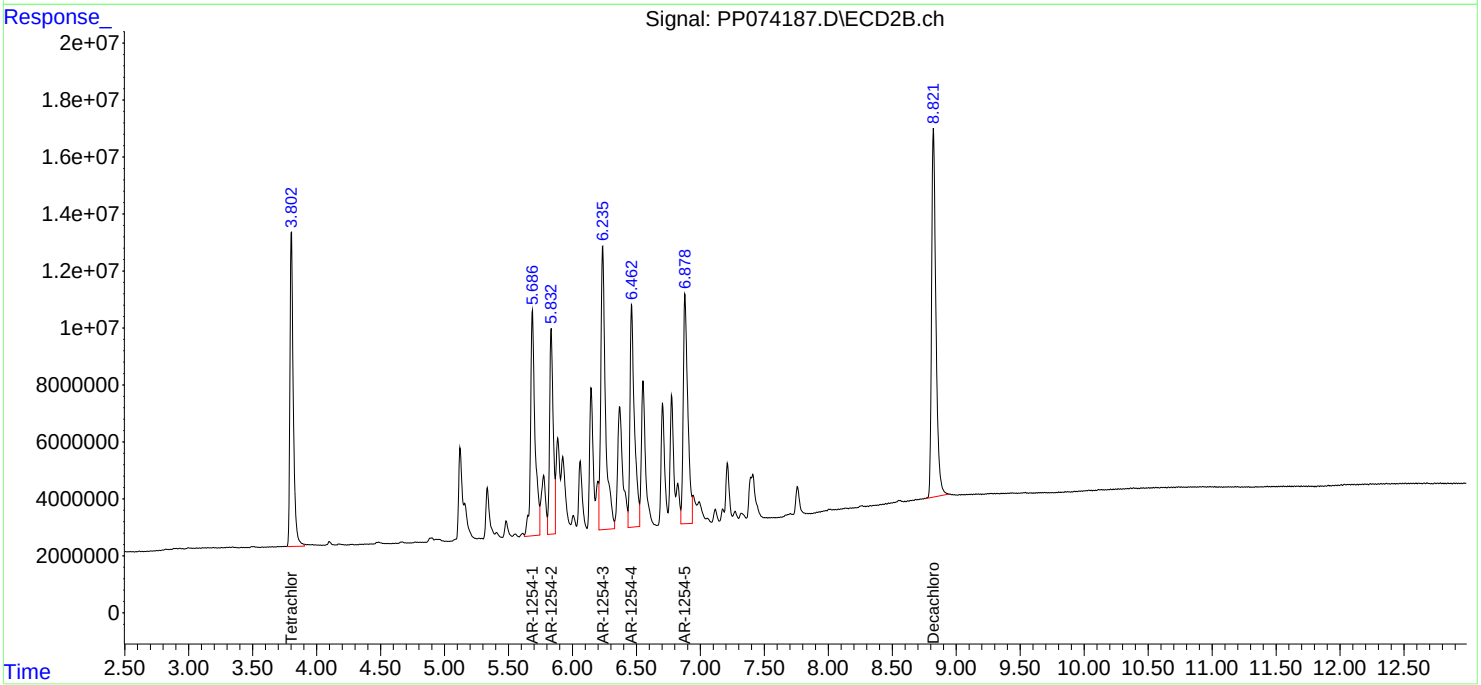
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 00:47:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 00:46:23 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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 18:50
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 00:47:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 00:46:23 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...	4.658	3.803	29734018	92012238	26.684	22.775
2)	SA Decachlor...	10.431	8.821	26431747	157.0E6	26.995	25.657
	Target Compounds						
26)	L6 AR-1254-1	6.656	5.687	13498256	94373679	248.938m	245.075
27)	L6 AR-1254-2	6.873	5.834	21644264	72682229	276.899	255.801
28)	L6 AR-1254-3	7.235	6.236	23355124	131.7E6	276.458	258.769
29)	L6 AR-1254-4	7.516	6.462	17399794	98587777	274.320	261.437
30)	L6 AR-1254-5	7.932	6.879	22010158	98393861	272.894	247.080

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 18:50
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

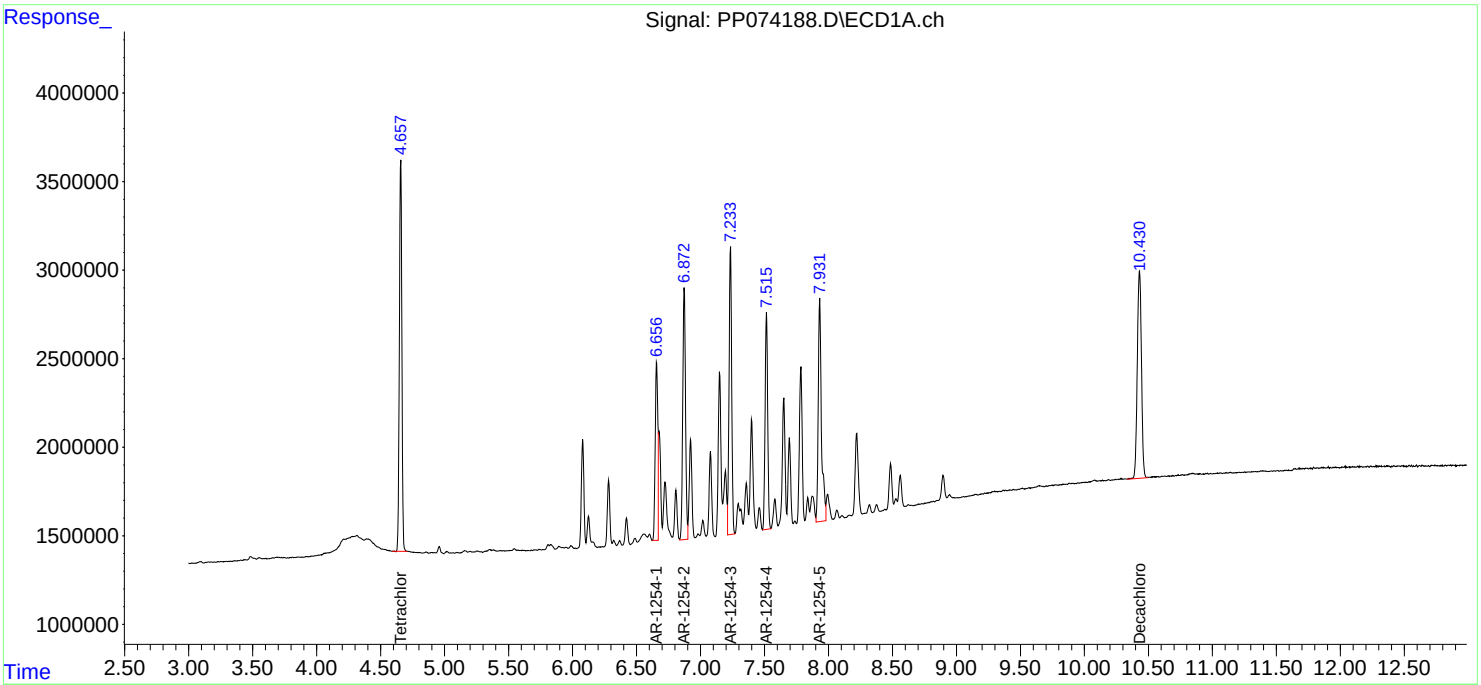
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

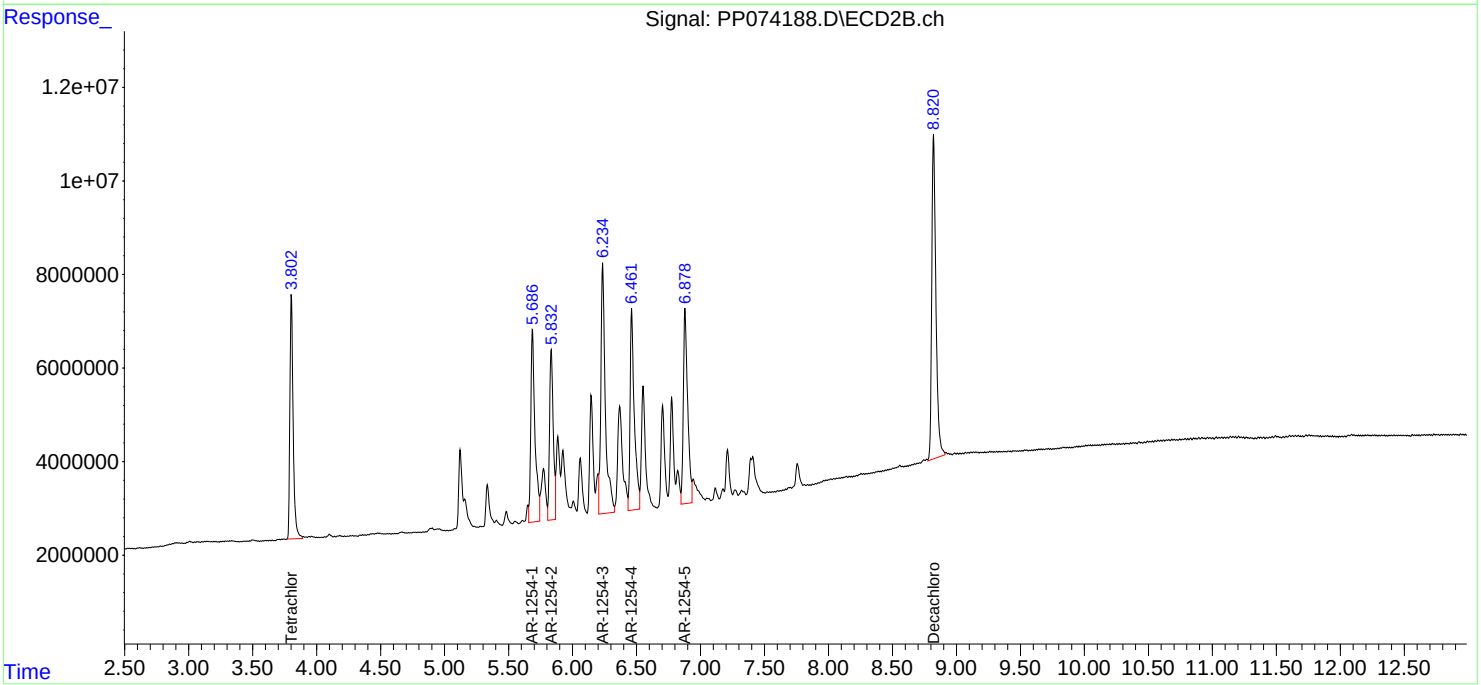
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 00:47:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 00:46:23 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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 19:23
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:03:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:03:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.804	5935360	12647504	5.284	3.358 #
2)	SA Decachlor...	10.430	8.823	5026515	24210870	5.158	4.086
	Target Compounds						
26)	L6 AR-1254-1	6.655	5.689	2796732	16116298	51.810m	44.012
27)	L6 AR-1254-2	6.872	5.836	4500635	12761430	56.609	45.869
28)	L6 AR-1254-3	7.234	6.237	5142235	18482386	58.892	37.780 #
29)	L6 AR-1254-4	7.515	6.464	3412924	14935198	53.486	40.633
30)	L6 AR-1254-5	7.931	6.881	4380720	14900727	53.986	37.906 #

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 19:23
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 48 Sample Multiplier: 1

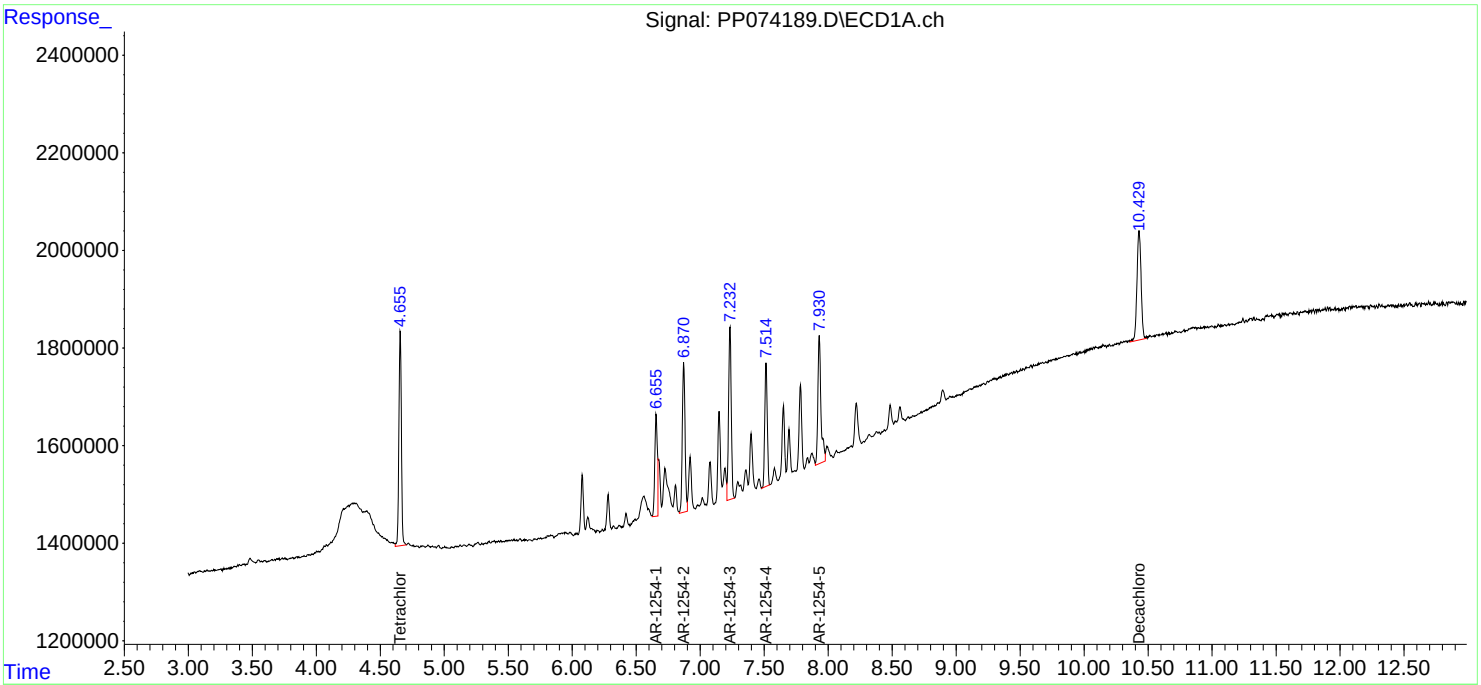
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

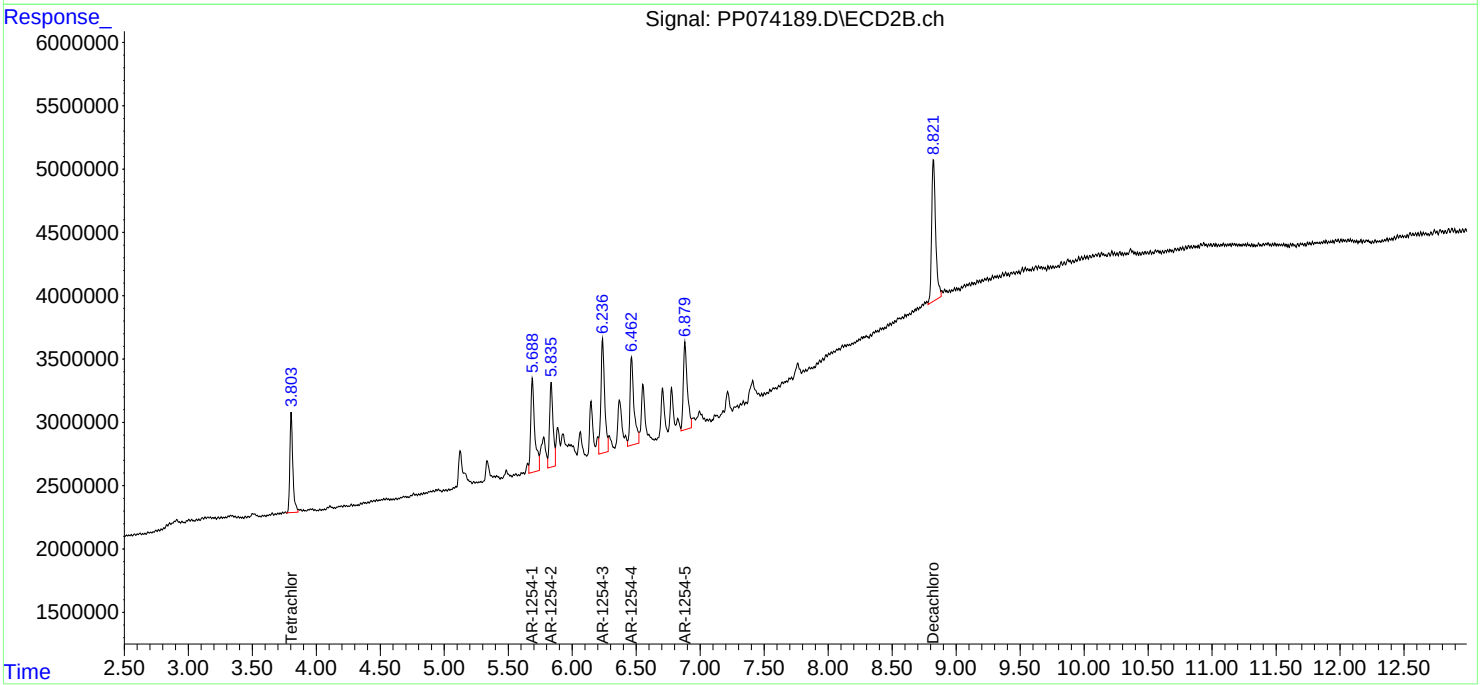
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:03:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:03:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 19:39
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: Aug 02 01:10:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:10:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.802	54354703	199.7E6	50.000	50.000
2)	SA Decachlor...	10.430	8.820	48321379	306.6E6	50.000	50.000
	Target Compounds						
36)	L8 AR-1262-1	8.237	6.917	37894848	281.6E6	500.000	500.000
37)	L8 AR-1262-2	8.562	7.176	65215013	200.5E6	500.000	500.000
38)	L8 AR-1262-3	8.888	7.698	47035440	179.7E6	500.000	500.000
39)	L8 AR-1262-4	8.974	7.761	36425846	333.5E6	500.000	500.000
40)	L8 AR-1262-5	9.645	8.255	25461320	141.6E6	500.000	500.000

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

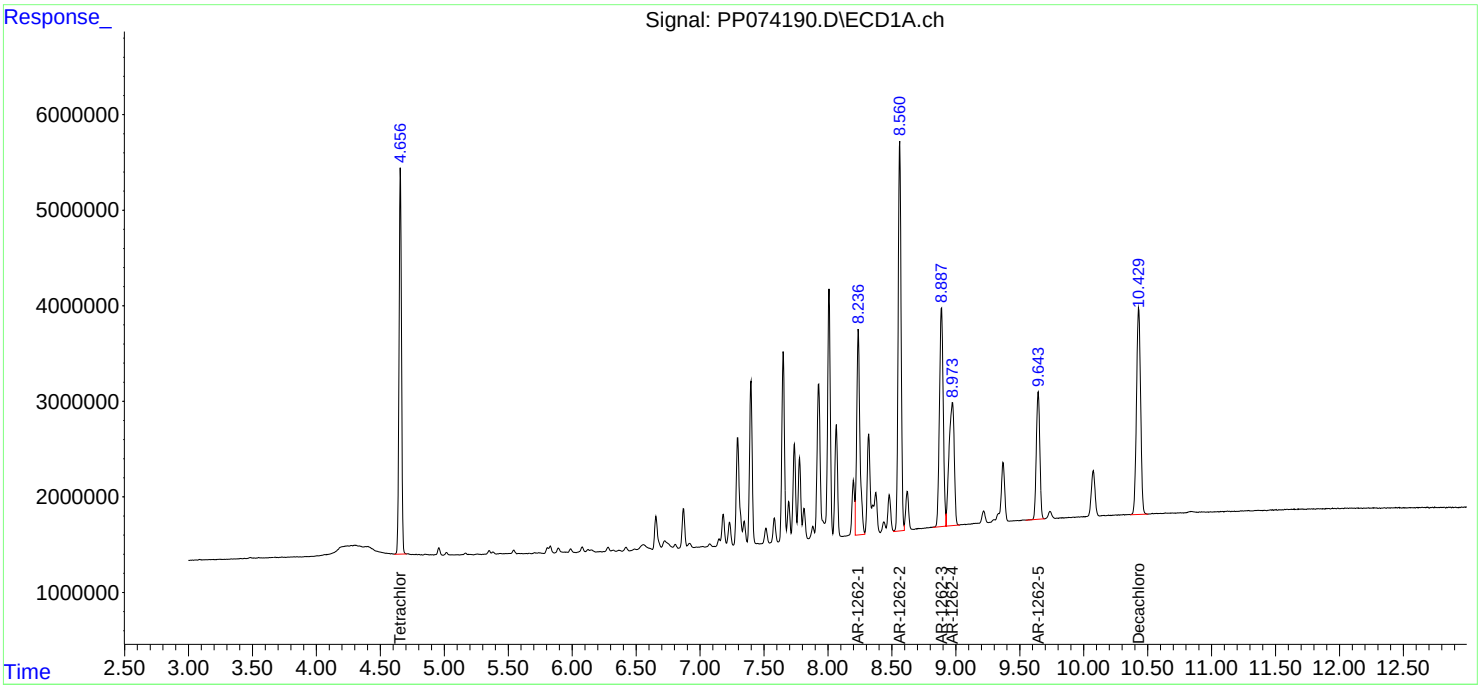
ICAL Form

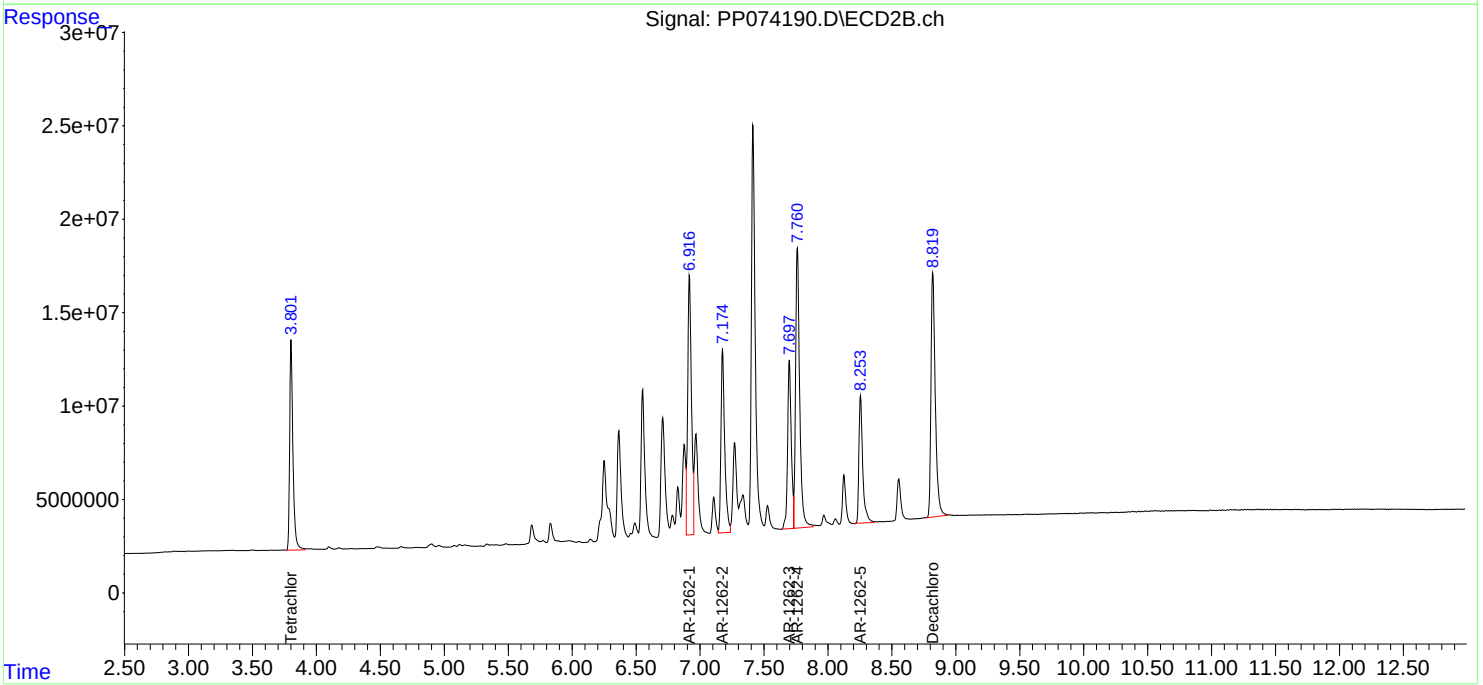
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 19:39
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:10:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:10:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 20:28
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: Aug 02 01:15:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:13:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.656	3.801	58418637	219.4E6	50.000	50.000
2)	SA Decachlor...	10.429	8.820	86270477	592.0E6	50.000	50.000
	Target Compounds						
41)	L9 AR-1268-1	8.883	7.698	79013824	584.6E6	500.000	500.000
42)	L9 AR-1268-2	8.978	7.762	73014004	574.1E6	500.000	500.000
43)	L9 AR-1268-3	9.218	7.970	60700868	445.9E6	500.000	500.000
44)	L9 AR-1268-4	9.644	8.255	29824069	164.7E6	500.000	500.000
45)	L9 AR-1268-5	10.075	8.556	179.0E6	1386.1E6	500.000	500.000

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

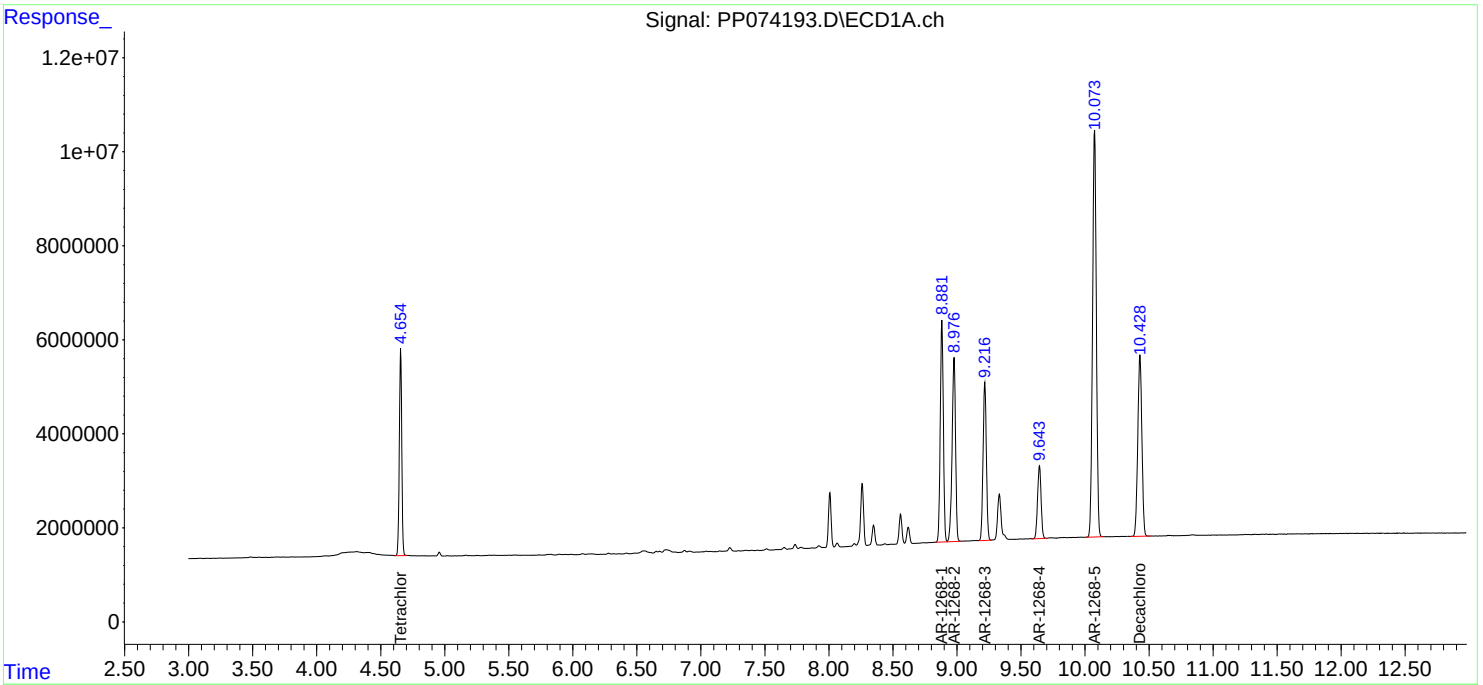
ICAL Form

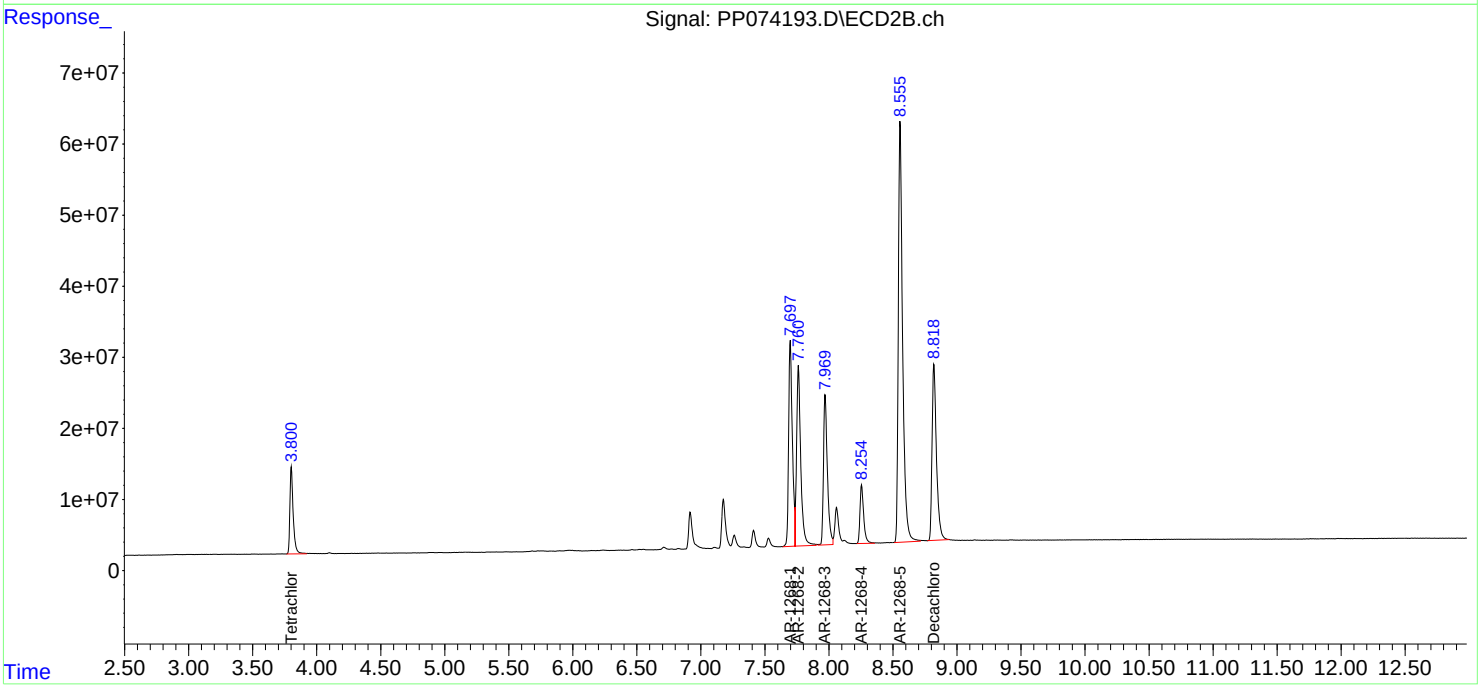
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 20:28
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:15:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:13:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 21:16
Operator : YP\AJ
Sample : PP080125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP080125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:35:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:33:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.806	53809613	192.5E6	48.117	50.193
2)	SA Decachlor...	10.433	8.823	46918201	290.2E6	48.311	48.263
	Target Compounds						
3)	L1 AR-1016-1	5.810	4.906	19711119	191.3E6	477.766	479.651
4)	L1 AR-1016-2	5.831	4.963	29290082	90085682	482.207	479.666
5)	L1 AR-1016-3	5.894	5.083	19171615	49893167	483.393	470.381
6)	L1 AR-1016-4	5.991	5.124	15834175	51335124	486.540	470.016
7)	L1 AR-1016-5	6.283	5.338	15788703	57011251	486.284	487.429
31)	L7 AR-1260-1	7.400	6.554	27159073	192.5E6	481.919	476.633
32)	L7 AR-1260-2	7.653	6.708	31876376	149.4E6	467.722	477.644
33)	L7 AR-1260-3	8.010	6.918	25282960	196.9E6	474.388	499.492
34)	L7 AR-1260-4	8.239	7.178	29964985	140.7E6	478.559	483.661
35)	L7 AR-1260-5	8.563	7.417	53436862	370.6E6	471.620	489.248

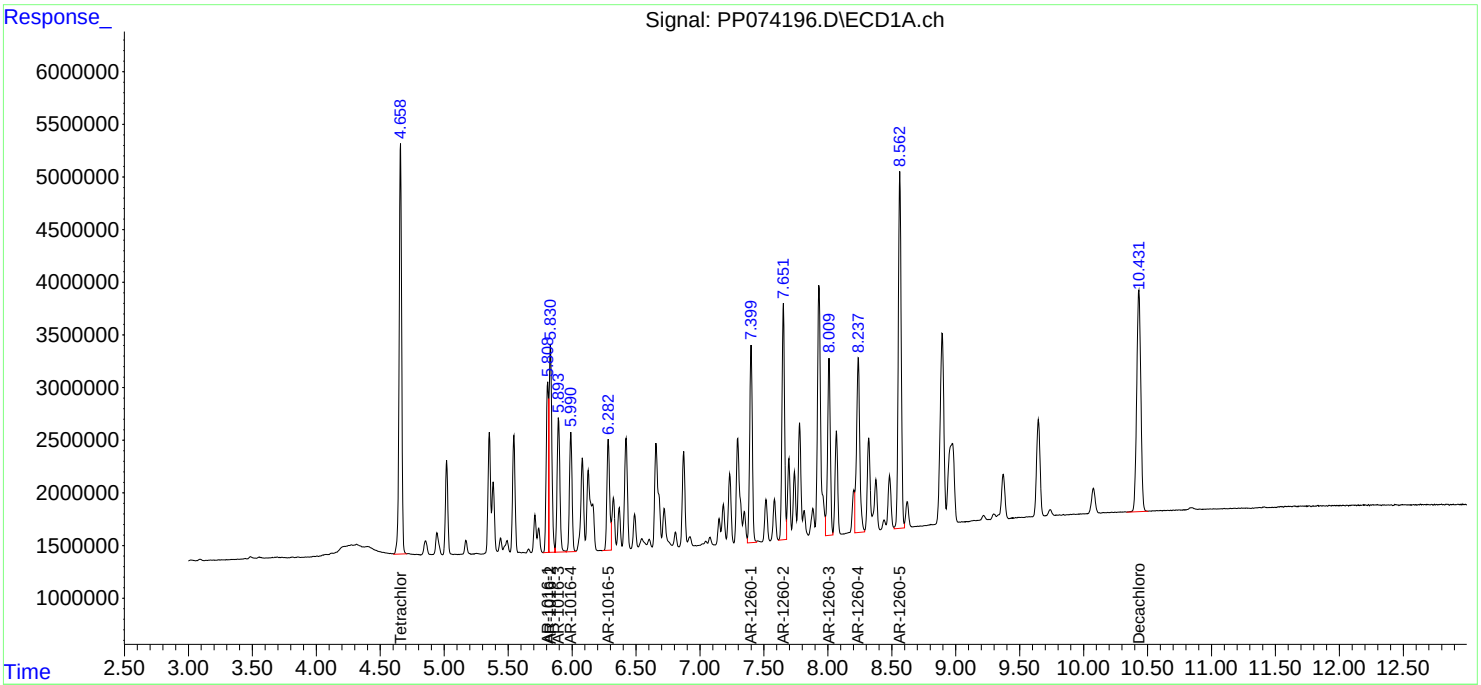
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

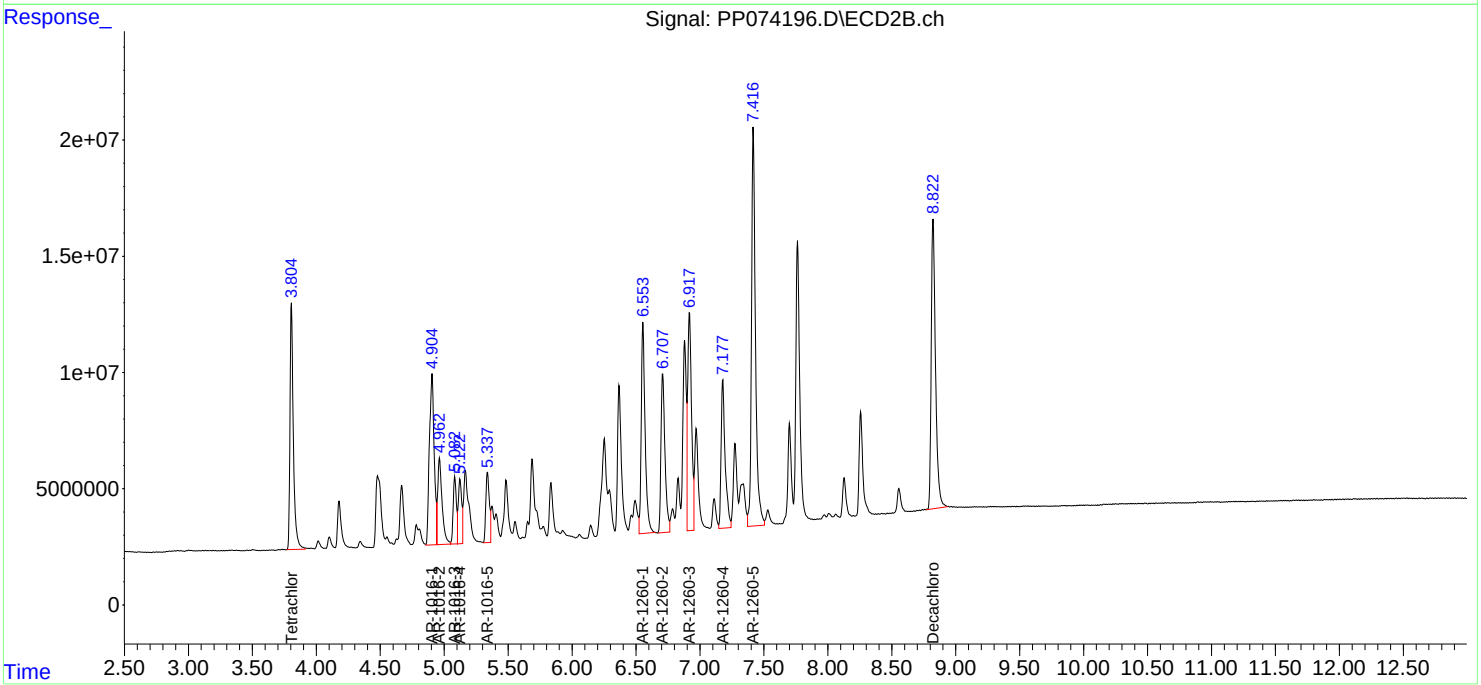
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 21:16
Operator : YP\AJ
Sample : PP080125ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP080125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:35:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:33:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 22:05
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP080125AR1242

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:36:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:33:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.655	3.804	55143327	198.9E6	49.310	51.866
2)	SA Decachlor...	10.427	8.822	47800939	295.6E6	49.220	49.156
	Target Compounds						
16)	L4 AR-1242-1	5.806	4.904	17499270	167.4E6	469.580	484.954
17)	L4 AR-1242-2	5.827	4.962	25894594	77861664	475.925	476.575
18)	L4 AR-1242-3	5.890	5.082	17050061	43676713	477.113	473.468
19)	L4 AR-1242-4	5.987	5.164	14124012	56465948	483.390	472.829m
20)	L4 AR-1242-5	6.716	5.686	16823190	70286035	473.119	469.952

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 22:05
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

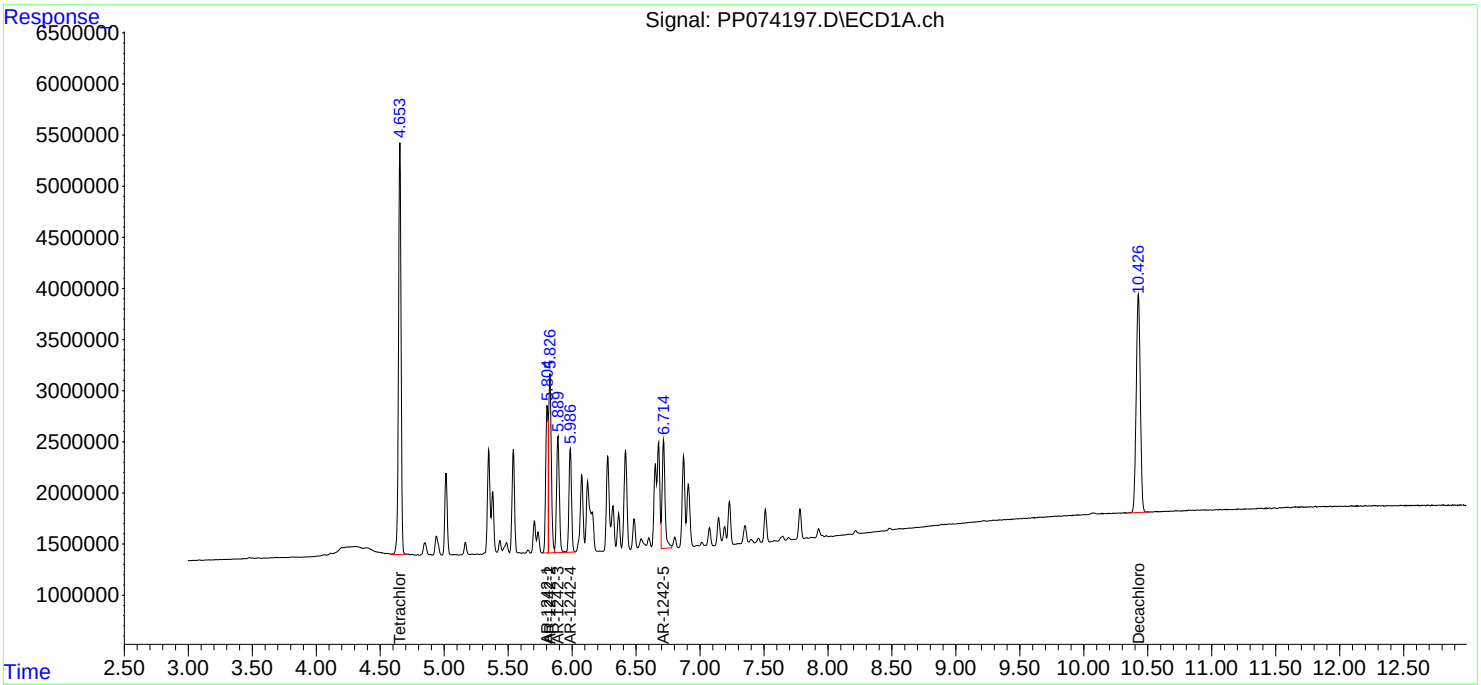
Instrument :
ECD_P
ClientSampleId :
ICVPP080125AR1242

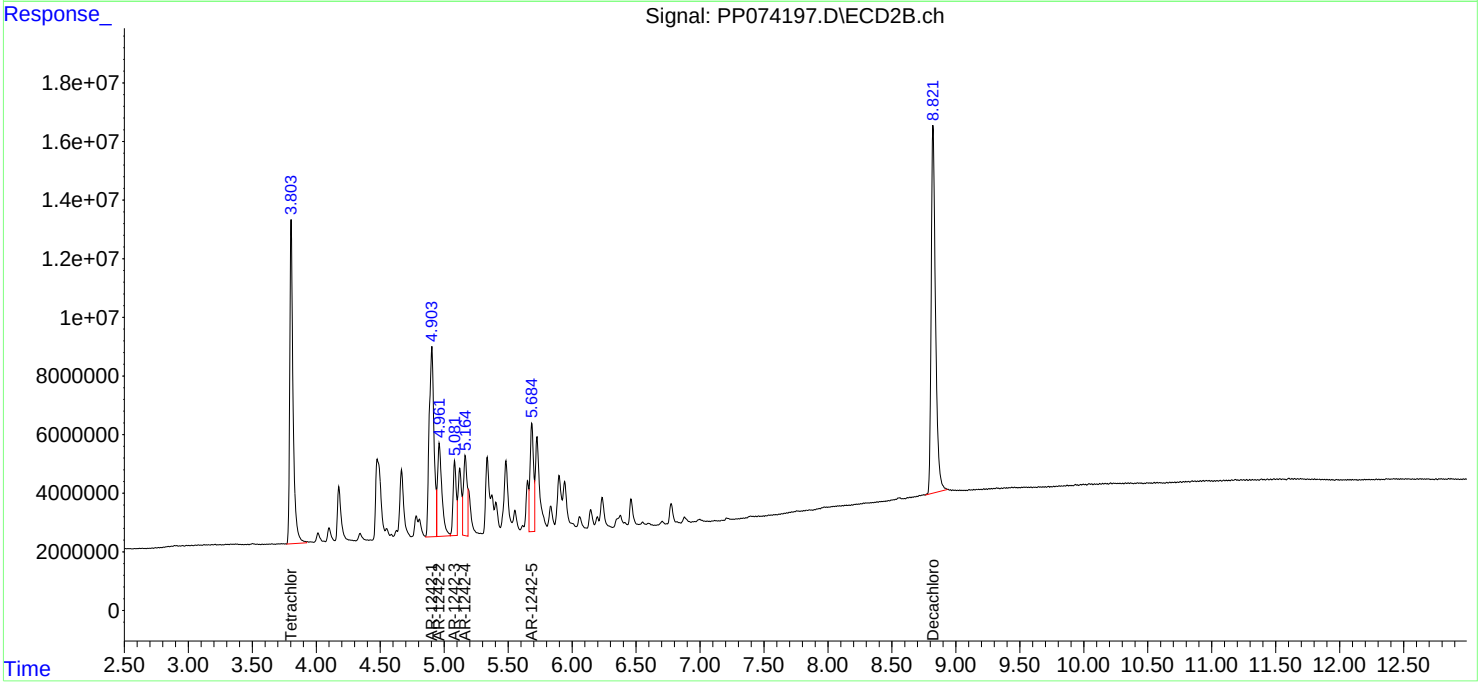
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:36:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:33:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 22:37
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP080125AR1248

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:36:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:33:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.655	3.805	53554793	191.1E6	47.889	49.847
2)	SA Decachlor...	10.428	8.824	47537298	295.3E6	48.949	49.101
	Target Compounds						
21)	L5 AR-1248-1	5.806	4.904	13951339	107.6E6	498.004	503.095
22)	L5 AR-1248-2	6.077	5.124	19721117	71900356	489.831	491.416
23)	L5 AR-1248-3	6.280	5.165	21866877	85869463	490.580	500.813m
24)	L5 AR-1248-4	6.677	5.338	24961771	82403417	479.691	495.291
25)	L5 AR-1248-5	6.717	5.728	25702187	138.2E6	451.365	474.938

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 22:37
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

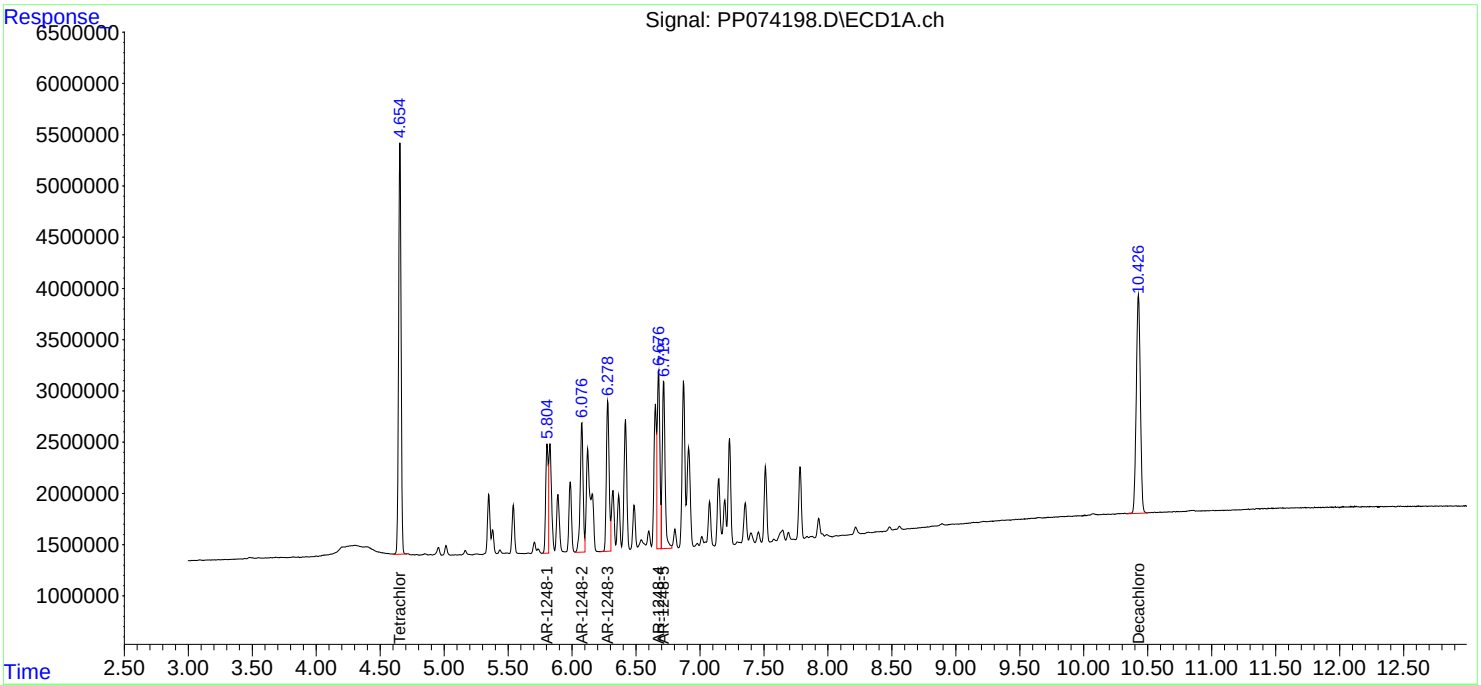
Instrument :
ECD_P
ClientSampleId :
ICVPP080125AR1248

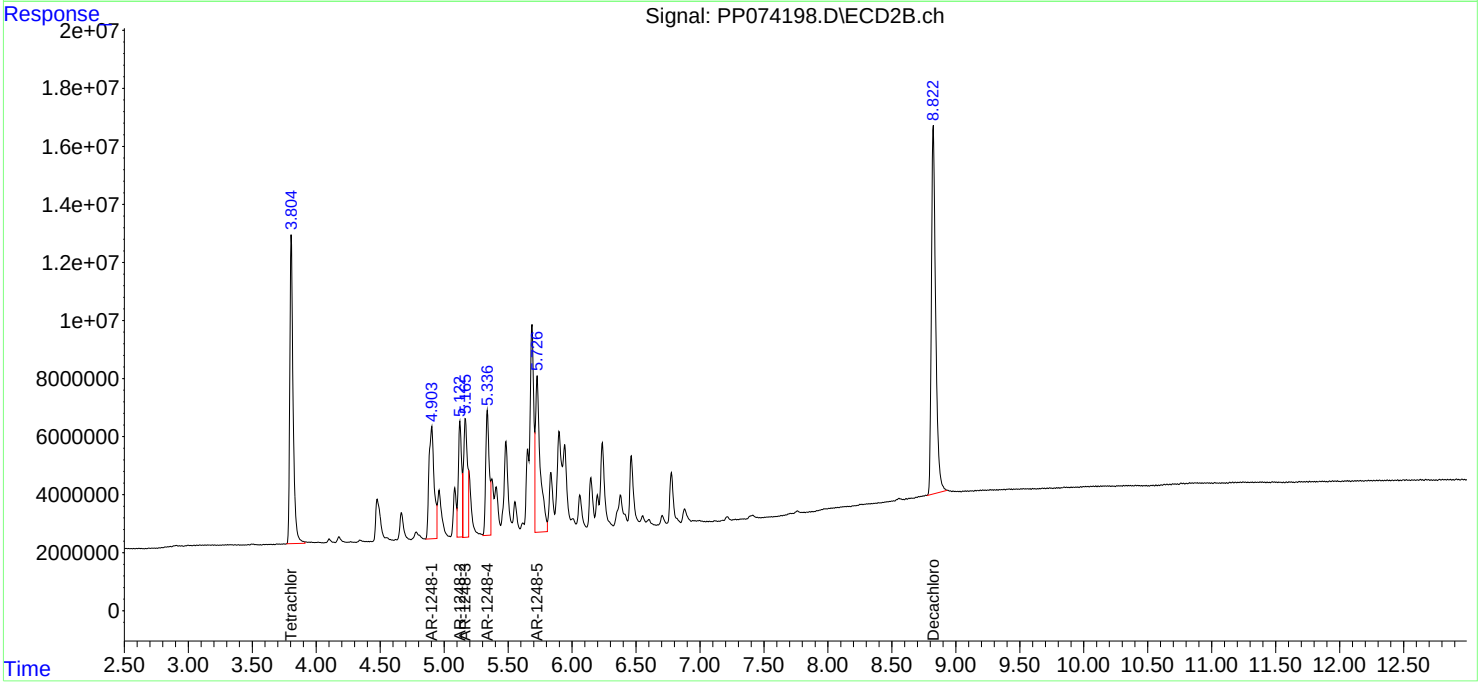
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/05/2025
Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:36:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:33:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 23:10
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP080125AR1254

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 04 11:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.656	3.803	53831323	191.6E6	48.137	49.971
2)	SA Decachlor...	10.430	8.820	47450930	299.2E6	48.860	49.761
	Target Compounds						
26)	L6 AR-1254-1	6.654	5.686	27290919	178.5E6	518.434m	487.493
27)	L6 AR-1254-2	6.871	5.833	37599140	134.8E6	472.918	484.650
28)	L6 AR-1254-3	7.233	6.235	40597005	245.2E6	464.942	501.115
29)	L6 AR-1254-4	7.514	6.462	30708926	181.0E6	481.260	492.525
30)	L6 AR-1254-5	7.930	6.878	38809795	188.2E6	478.279	488.601

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 23:10
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

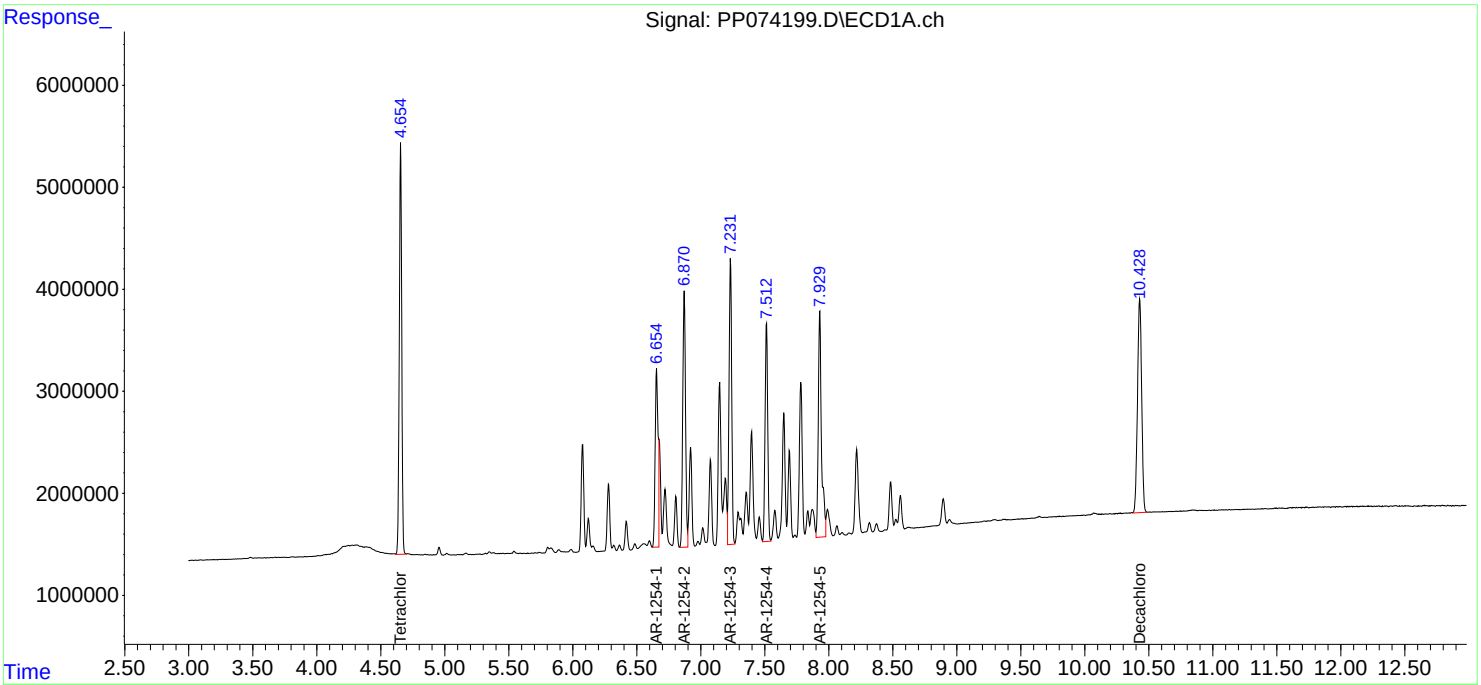
Instrument :
ECD_P
ClientSampleId :
ICVPP080125AR1254

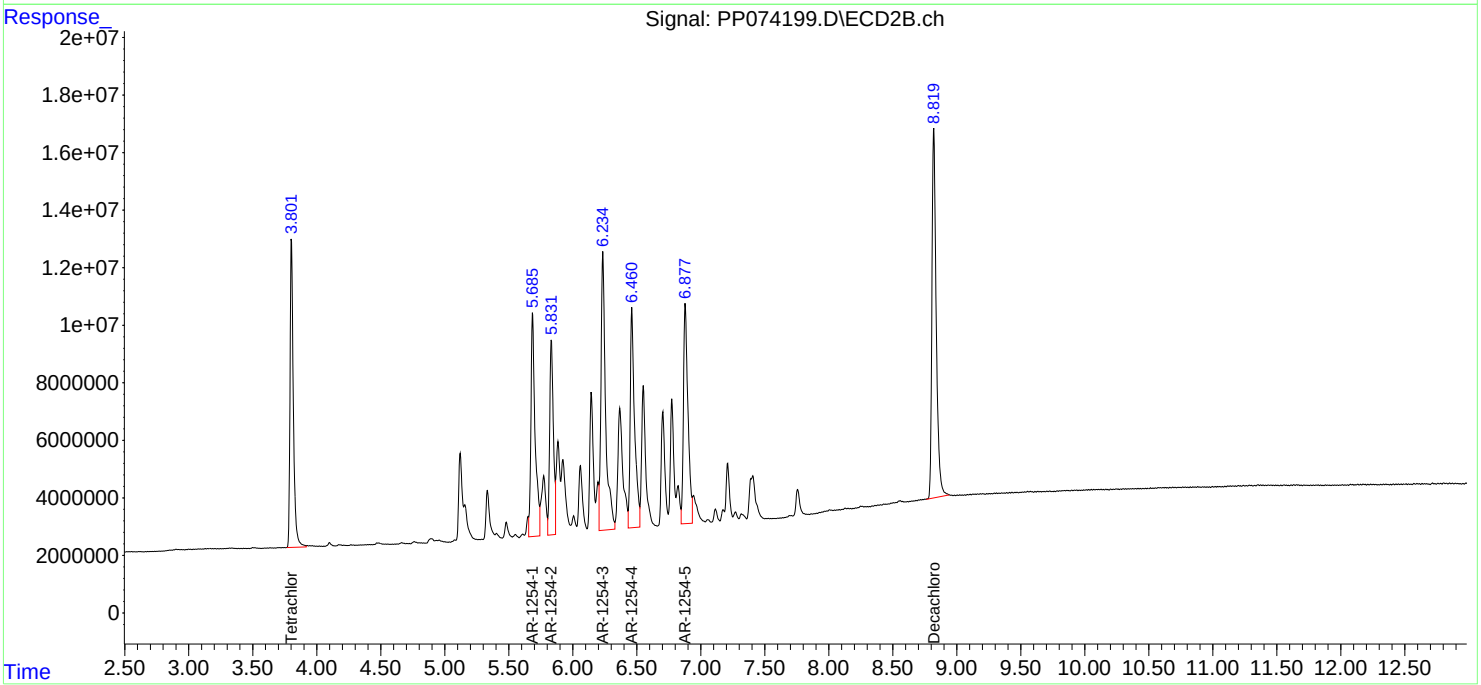
Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 04 11:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 23:42
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP080125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:25:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:23:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.654	3.804	55201921	199.0E6	48.099	50.981
2)	SA Decachlor...	10.426	8.822	82544950	560.4E6	48.605	50.452
	Target Compounds						
41)	L9 AR-1268-1	8.879	7.701	75022320	549.0E6	482.047	503.522
42)	L9 AR-1268-2	8.975	7.764	69343438	540.7E6	483.480	509.488
43)	L9 AR-1268-3	9.215	7.973	57914901	420.0E6	484.752	504.814
44)	L9 AR-1268-4	9.641	8.257	28601597	156.0E6	486.318	506.427
45)	L9 AR-1268-5	10.071	8.557	170.0E6	1304.3E6	483.271	511.465

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

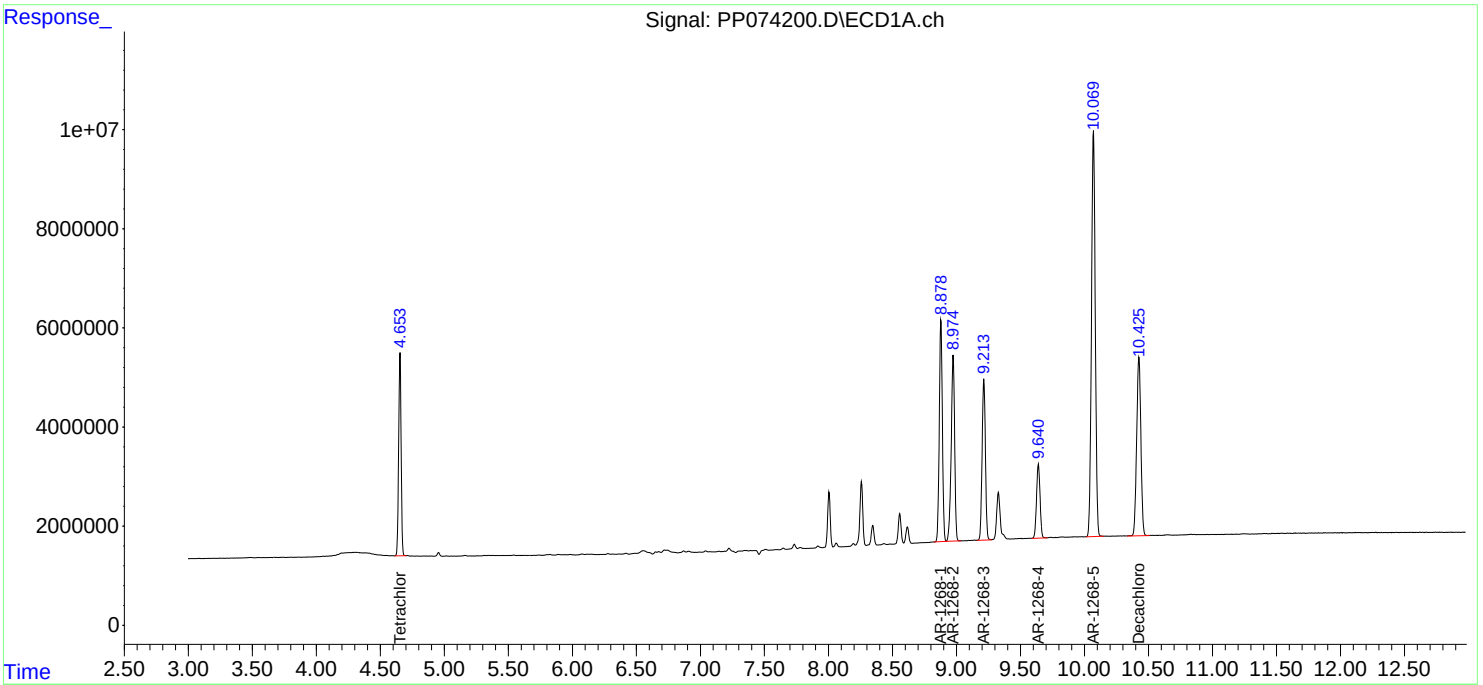
ICAL Form

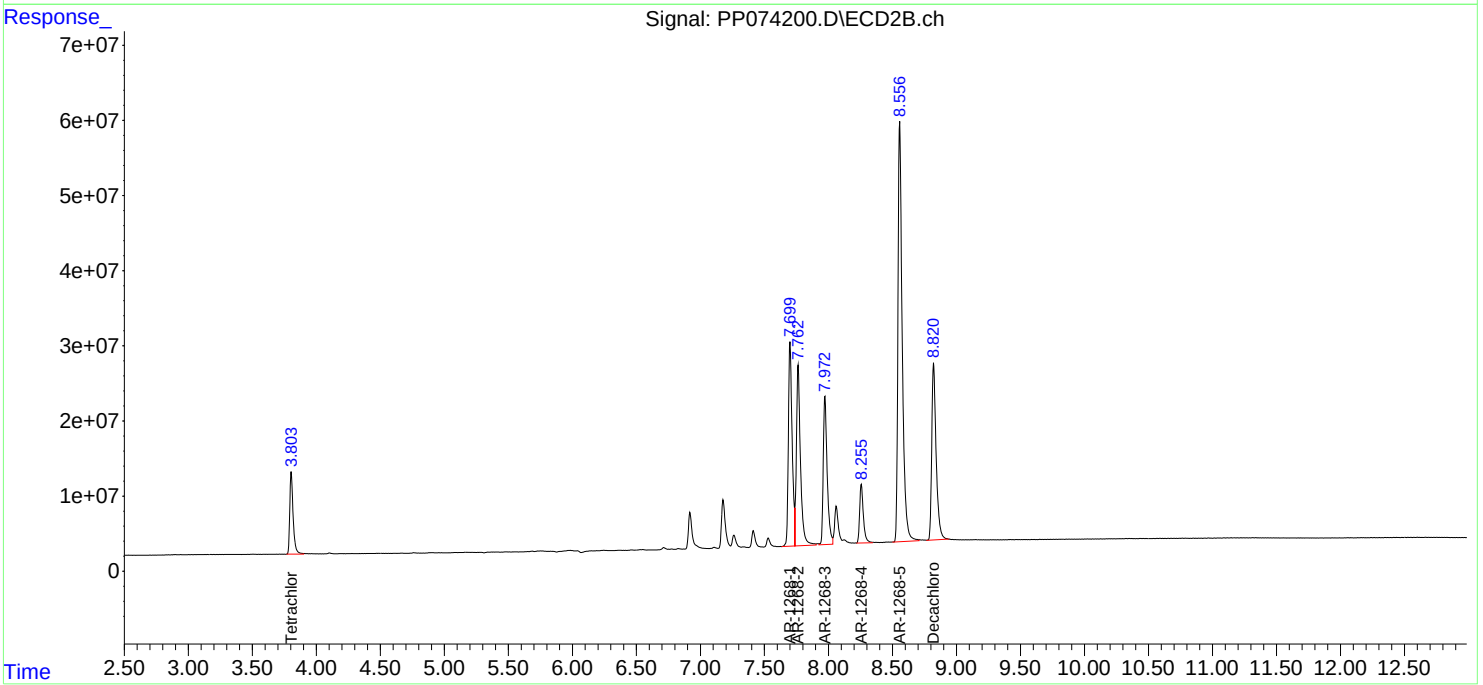
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 23:42
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP080125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:25:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:23:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PO112896.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 08:59 **Initial Calibration Time(s):** 11:32 19:47

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-3	(3)	4.83	4.83	4.73	4.93	0.00
Aroclor-1016-4	(4)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.79	6.80	6.70	6.90	0.01
Aroclor-1260-4	(4)	7.05	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.69	8.69	8.59	8.79	0.00

Raw Data: **PO112896.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 08:59 **Initial Calibration Time(s):** 11:32 19:47

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.93	4.83	5.03	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112896.D **Time Analyzed:** 08:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.751	4.655	4.855	526.960	500.000	5.4
Aroclor-1016-2	4.769	4.674	4.874	547.510	500.000	9.5
Aroclor-1016-3	4.827	4.731	4.931	528.710	500.000	5.7
Aroclor-1016-4	4.945	4.851	5.051	536.170	500.000	7.2
Aroclor-1016-5	5.202	5.108	5.308	543.210	500.000	8.6
Aroclor-1260-1	6.239	6.145	6.345	535.780	500.000	7.2
Aroclor-1260-2	6.428	6.333	6.533	521.900	500.000	4.4
Aroclor-1260-3	6.794	6.700	6.900	558.270	500.000	11.7
Aroclor-1260-4	7.054	6.959	7.159	519.310	500.000	3.9
Aroclor-1260-5	7.297	7.203	7.403	511.980	500.000	2.4
Decachlorobiphenyl	8.686	8.593	8.793	48.410	50.000	-3.2
Tetrachloro-m-xylene	3.666	3.569	3.769	56.200	50.000	12.4

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112896.D **Time Analyzed:** 08:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.732	4.638	4.838	490.590	500.000	-1.9
Aroclor-1016-2	4.750	4.656	4.856	495.730	500.000	-0.9
Aroclor-1016-3	4.925	4.831	5.031	481.470	500.000	-3.7
Aroclor-1016-4	4.967	4.873	5.073	485.500	500.000	-2.9
Aroclor-1016-5	5.179	5.085	5.285	492.900	500.000	-1.4
Aroclor-1260-1	6.208	6.113	6.313	500.910	500.000	0.2
Aroclor-1260-2	6.396	6.302	6.502	500.730	500.000	0.1
Aroclor-1260-3	6.546	6.453	6.653	521.660	500.000	4.3
Aroclor-1260-4	7.016	6.923	7.123	523.900	500.000	4.8
Aroclor-1260-5	7.258	7.164	7.364	542.550	500.000	8.5
Decachlorobiphenyl	8.633	8.540	8.740	51.130	50.000	2.3
Tetrachloro-m-xylene	3.658	3.562	3.762	52.790	50.000	5.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 08:59
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 11:08:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.666	3.658	457.0E6	262.3E6	56.200	52.789
2)	SA Decachlor...	8.686	8.633	353.9E6	90343898	48.407	51.125
	Target Compounds						
3)	L1 AR-1016-1	4.751	4.732	141.4E6	85856824	526.957	490.591
4)	L1 AR-1016-2	4.769	4.750	222.4E6	129.1E6	547.512	495.728
5)	L1 AR-1016-3	4.827	4.925	138.3E6	65464300	528.708	481.474
6)	L1 AR-1016-4	4.945	4.967	113.6E6	53931567	536.172	485.499
7)	L1 AR-1016-5	5.202	5.179	119.2E6	70633577	543.209	492.897
31)	L7 AR-1260-1	6.239	6.208	235.4E6	124.5E6	535.778	500.912
32)	L7 AR-1260-2	6.428	6.396	359.0E6	165.0E6	521.900	500.734
33)	L7 AR-1260-3	6.794	6.546	328.3E6	134.0E6	558.266	521.661m
34)	L7 AR-1260-4	7.054	7.016	234.2E6	100.2E6	519.307	523.902
35)	L7 AR-1260-5	7.297	7.258	634.4E6	223.6E6	511.979	542.547

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 08:59
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

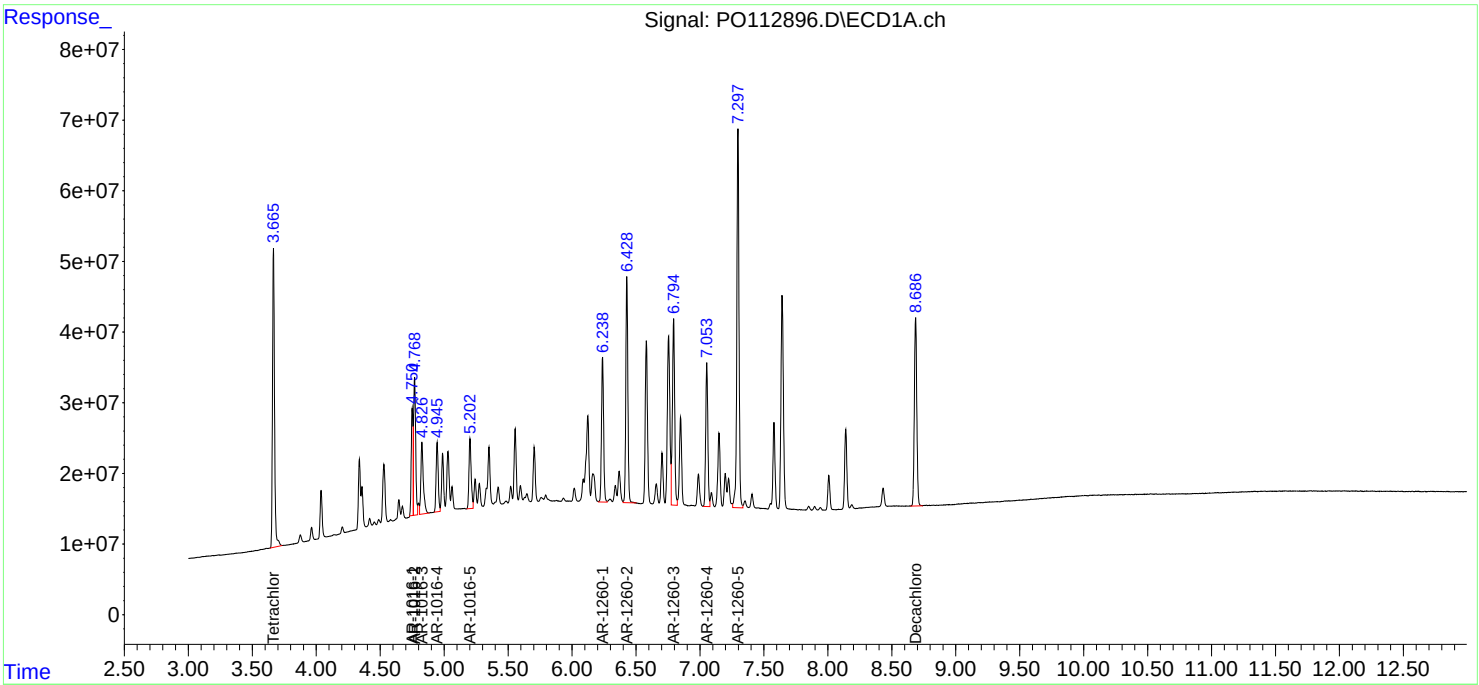
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

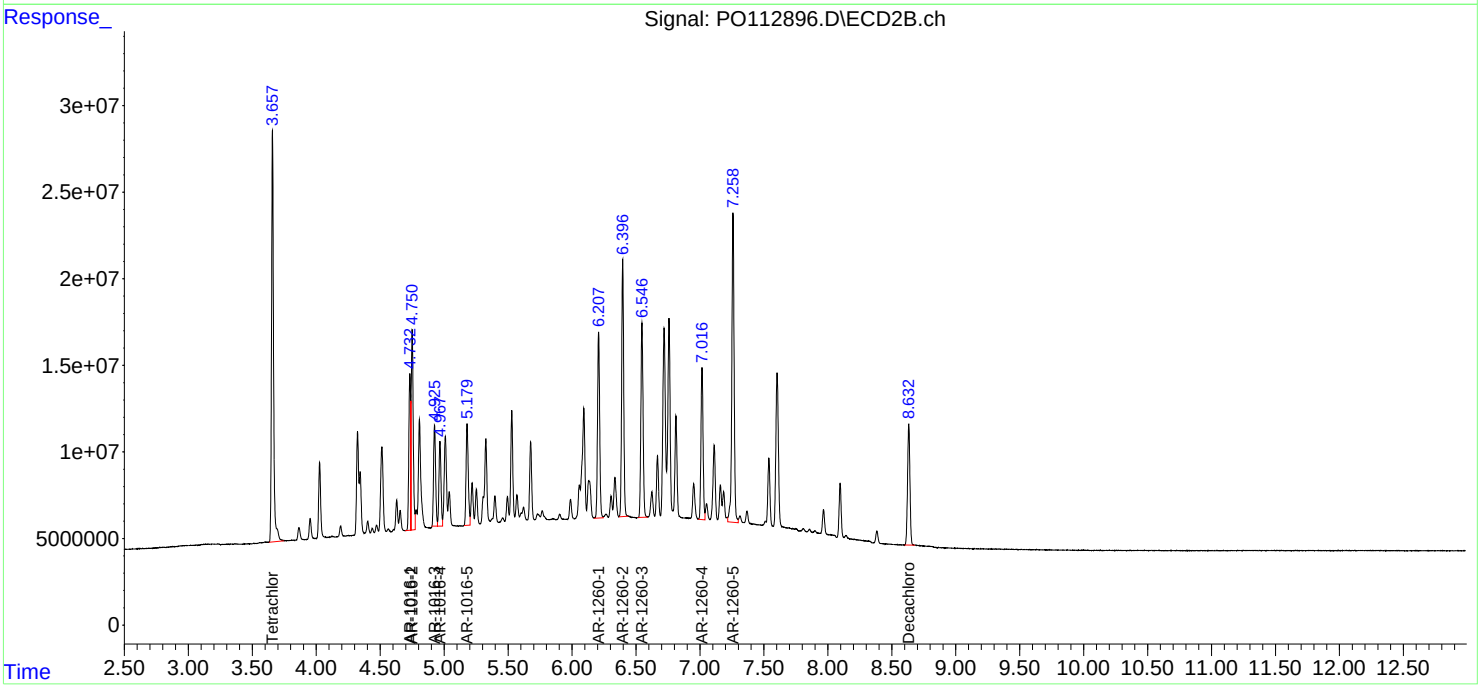
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 11:08:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PO112911.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 15:57 **Initial Calibration Time(s):** 11:32 19:47

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-3	(3)	4.83	4.83	4.73	4.93	0.00
Aroclor-1016-4	(4)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.80	6.80	6.70	6.90	0.00
Aroclor-1260-4	(4)	7.05	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.69	8.69	8.59	8.79	0.00

Raw Data: **PO112911.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 15:57 **Initial Calibration Time(s):** 11:32 19:47

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.93	4.83	5.03	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112911.D **Time Analyzed:** 15:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.751	4.655	4.855	529.280	500.000	5.9
Aroclor-1016-2	4.770	4.674	4.874	529.210	500.000	5.8
Aroclor-1016-3	4.827	4.731	4.931	519.380	500.000	3.9
Aroclor-1016-4	4.947	4.851	5.051	522.620	500.000	4.5
Aroclor-1016-5	5.203	5.108	5.308	552.640	500.000	10.5
Aroclor-1260-1	6.240	6.145	6.345	523.500	500.000	4.7
Aroclor-1260-2	6.430	6.333	6.533	511.640	500.000	2.3
Aroclor-1260-3	6.795	6.700	6.900	536.970	500.000	7.4
Aroclor-1260-4	7.054	6.959	7.159	512.750	500.000	2.6
Aroclor-1260-5	7.298	7.203	7.403	504.960	500.000	1.0
Decachlorobiphenyl	8.687	8.593	8.793	47.260	50.000	-5.5
Tetrachloro-m-xylene	3.666	3.569	3.769	54.550	50.000	9.1

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112911.D **Time Analyzed:** 15:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.733	4.638	4.838	491.180	500.000	-1.8
Aroclor-1016-2	4.751	4.656	4.856	490.980	500.000	-1.8
Aroclor-1016-3	4.926	4.831	5.031	482.590	500.000	-3.5
Aroclor-1016-4	4.968	4.873	5.073	484.560	500.000	-3.1
Aroclor-1016-5	5.180	5.085	5.285	498.410	500.000	-0.3
Aroclor-1260-1	6.208	6.113	6.313	497.400	500.000	-0.5
Aroclor-1260-2	6.396	6.302	6.502	500.970	500.000	0.2
Aroclor-1260-3	6.547	6.453	6.653	517.790	500.000	3.6
Aroclor-1260-4	7.017	6.923	7.123	515.120	500.000	3.0
Aroclor-1260-5	7.259	7.164	7.364	532.890	500.000	6.6
Decachlorobiphenyl	8.633	8.540	8.740	51.030	50.000	2.1
Tetrachloro-m-xylene	3.659	3.562	3.762	52.400	50.000	4.8

Sample Results: **PO112911.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 15:57
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 05:06:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.666	3.659	443.6E6	260.4E6	54.555	52.397
2)	SA Decachlor...	8.687	8.633	345.6E6	90170394	47.260	51.027
	Target Compounds						
3)	L1 AR-1016-1	4.751	4.733	142.0E6	85960622	529.281	491.184
4)	L1 AR-1016-2	4.770	4.751	214.9E6	127.9E6	529.211	490.975
5)	L1 AR-1016-3	4.827	4.926	135.9E6	65615401	519.385	482.585
6)	L1 AR-1016-4	4.947	4.968	110.7E6	53827690	522.617	484.564
7)	L1 AR-1016-5	5.203	5.180	121.3E6	71424010	552.639	498.412
31)	L7 AR-1260-1	6.240	6.208	230.0E6	123.6E6	523.503	497.400
32)	L7 AR-1260-2	6.430	6.396	352.0E6	165.1E6	511.635	500.970
33)	L7 AR-1260-3	6.795	6.547	315.7E6	133.0E6	536.971	517.791m
34)	L7 AR-1260-4	7.054	7.017	231.3E6	98548784	512.747	515.124
35)	L7 AR-1260-5	7.298	7.259	625.7E6	219.7E6	504.960	532.889

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 15:57
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

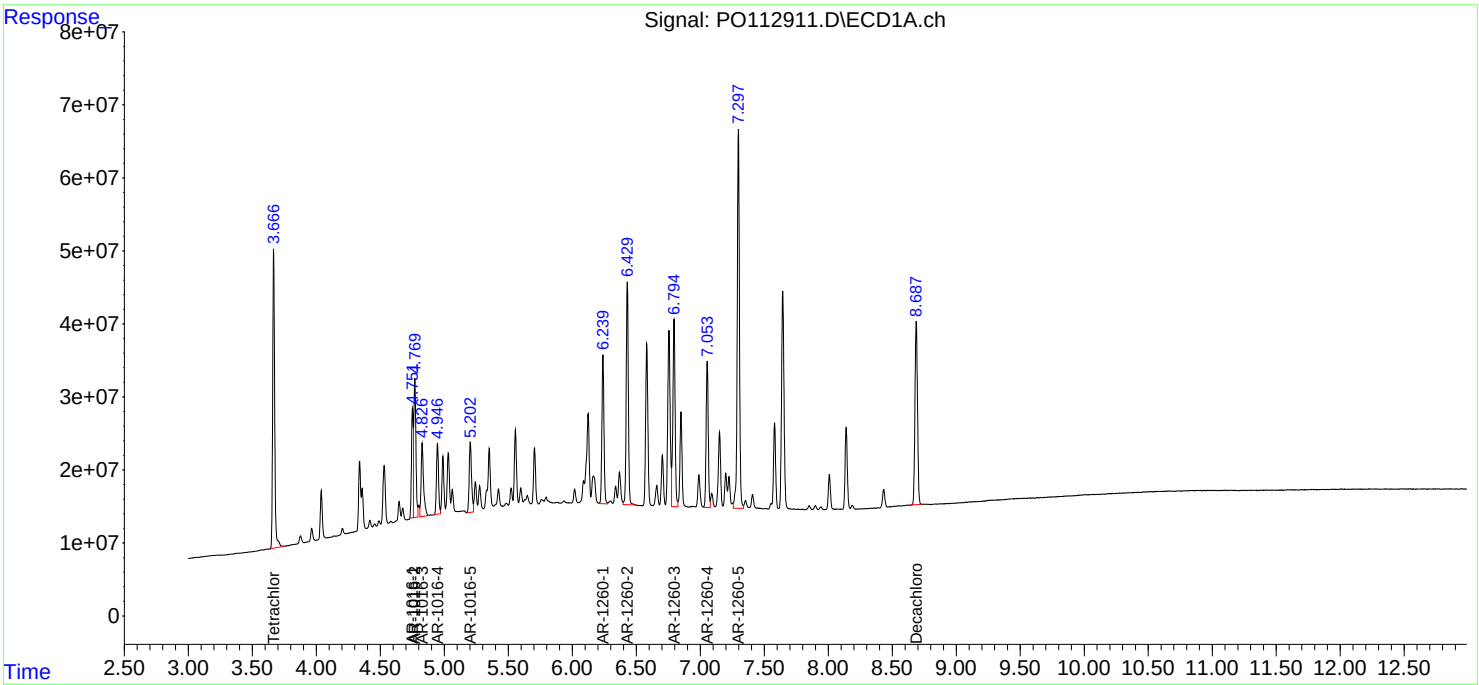
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

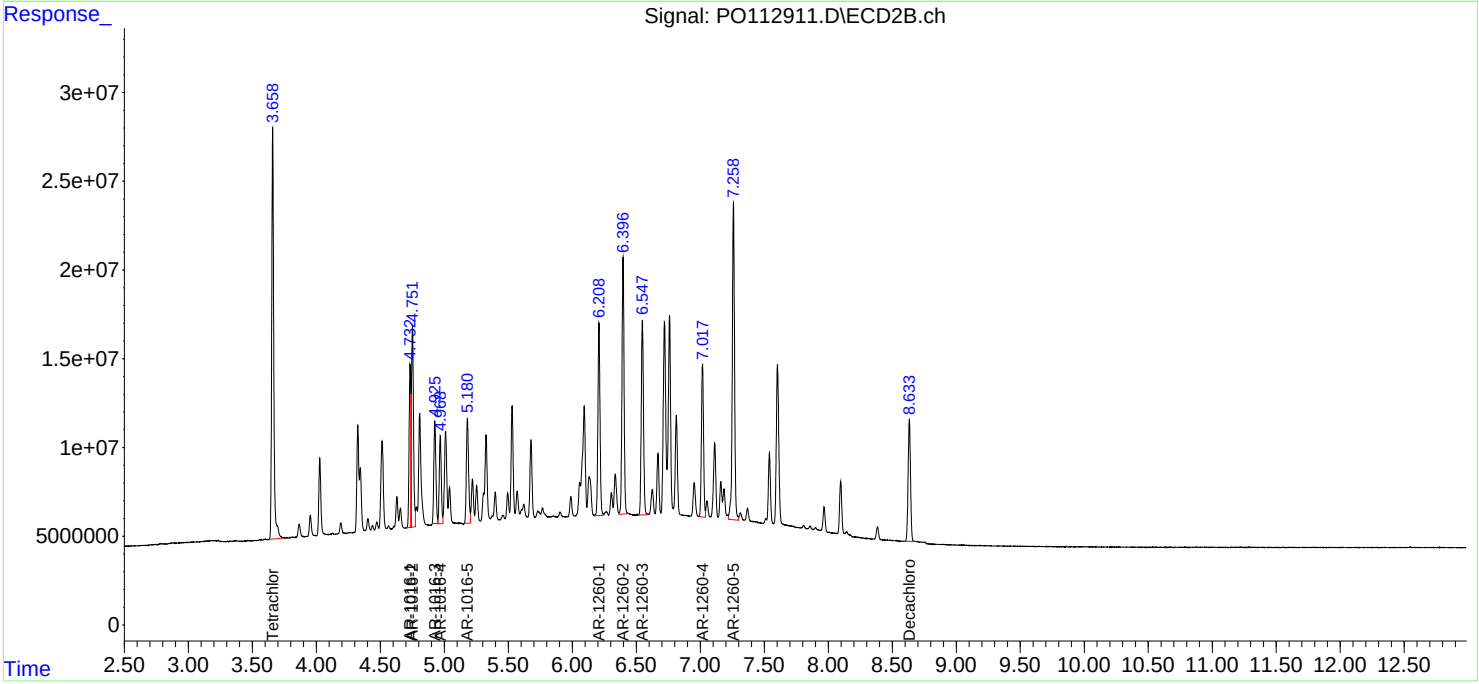
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 05:06:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PO112930.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 08:33 **Initial Calibration Time(s):** 11:32 19:47

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-3	(3)	4.83	4.83	4.73	4.93	0.00
Aroclor-1016-4	(4)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.79	6.80	6.70	6.90	0.01
Aroclor-1260-4	(4)	7.05	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.01
Decachlorobiphenyl		8.69	8.69	8.59	8.79	0.00

Raw Data: **PO112930.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 08:33 **Initial Calibration Time(s):** 11:32 19:47

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.93	4.83	5.03	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.40	6.40	6.30	6.50	0.01
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112930.D **Time Analyzed:** 08:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.750	4.655	4.855	529.710	500.000	5.9
Aroclor-1016-2	4.769	4.674	4.874	529.250	500.000	5.9
Aroclor-1016-3	4.826	4.731	4.931	519.760	500.000	4.0
Aroclor-1016-4	4.945	4.851	5.051	529.550	500.000	5.9
Aroclor-1016-5	5.202	5.108	5.308	542.490	500.000	8.5
Aroclor-1260-1	6.239	6.145	6.345	531.990	500.000	6.4
Aroclor-1260-2	6.429	6.333	6.533	518.600	500.000	3.7
Aroclor-1260-3	6.794	6.700	6.900	551.750	500.000	10.4
Aroclor-1260-4	7.053	6.959	7.159	513.930	500.000	2.8
Aroclor-1260-5	7.297	7.203	7.403	504.540	500.000	0.9
Decachlorobiphenyl	8.686	8.593	8.793	48.920	50.000	-2.2
Tetrachloro-m-xylene	3.665	3.569	3.769	55.480	50.000	11.0

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112930.D **Time Analyzed:** 08:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.732	4.638	4.838	485.220	500.000	-3.0
Aroclor-1016-2	4.750	4.656	4.856	489.550	500.000	-2.1
Aroclor-1016-3	4.925	4.831	5.031	489.200	500.000	-2.2
Aroclor-1016-4	4.967	4.873	5.073	484.210	500.000	-3.2
Aroclor-1016-5	5.179	5.085	5.285	491.820	500.000	-1.6
Aroclor-1260-1	6.207	6.113	6.313	491.660	500.000	-1.7
Aroclor-1260-2	6.395	6.302	6.502	494.220	500.000	-1.2
Aroclor-1260-3	6.547	6.453	6.653	514.790	500.000	3.0
Aroclor-1260-4	7.016	6.923	7.123	513.570	500.000	2.7
Aroclor-1260-5	7.258	7.164	7.364	528.080	500.000	5.6
Decachlorobiphenyl	8.632	8.540	8.740	51.160	50.000	2.3
Tetrachloro-m-xylene	3.658	3.562	3.762	52.000	50.000	4.0

Sample Results: **PO112930.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 08:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 10:43:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.665	3.658	451.2E6	258.4E6	55.481	51.995
2)	SA Decachlor...	8.686	8.632	357.7E6	90402312	48.923	51.158
	Target Compounds						
3)	L1 AR-1016-1	4.750	4.732	142.2E6	84916105	529.714	485.215
4)	L1 AR-1016-2	4.769	4.750	214.9E6	127.5E6	529.249	489.546
5)	L1 AR-1016-3	4.826	4.925	136.0E6	66514321	519.764	489.196m
6)	L1 AR-1016-4	4.945	4.967	112.2E6	53788302	529.549	484.209m
7)	L1 AR-1016-5	5.202	5.179	119.1E6	70479899	542.494	491.824
31)	L7 AR-1260-1	6.239	6.207	233.7E6	122.2E6	531.990	491.659
32)	L7 AR-1260-2	6.429	6.395	356.7E6	162.8E6	518.605	494.223
33)	L7 AR-1260-3	6.794	6.547	324.4E6	132.3E6	551.751	514.793m
34)	L7 AR-1260-4	7.053	7.016	231.8E6	98251223	513.931	513.569
35)	L7 AR-1260-5	7.297	7.258	625.2E6	217.7E6	504.544	528.077

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 08:33
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

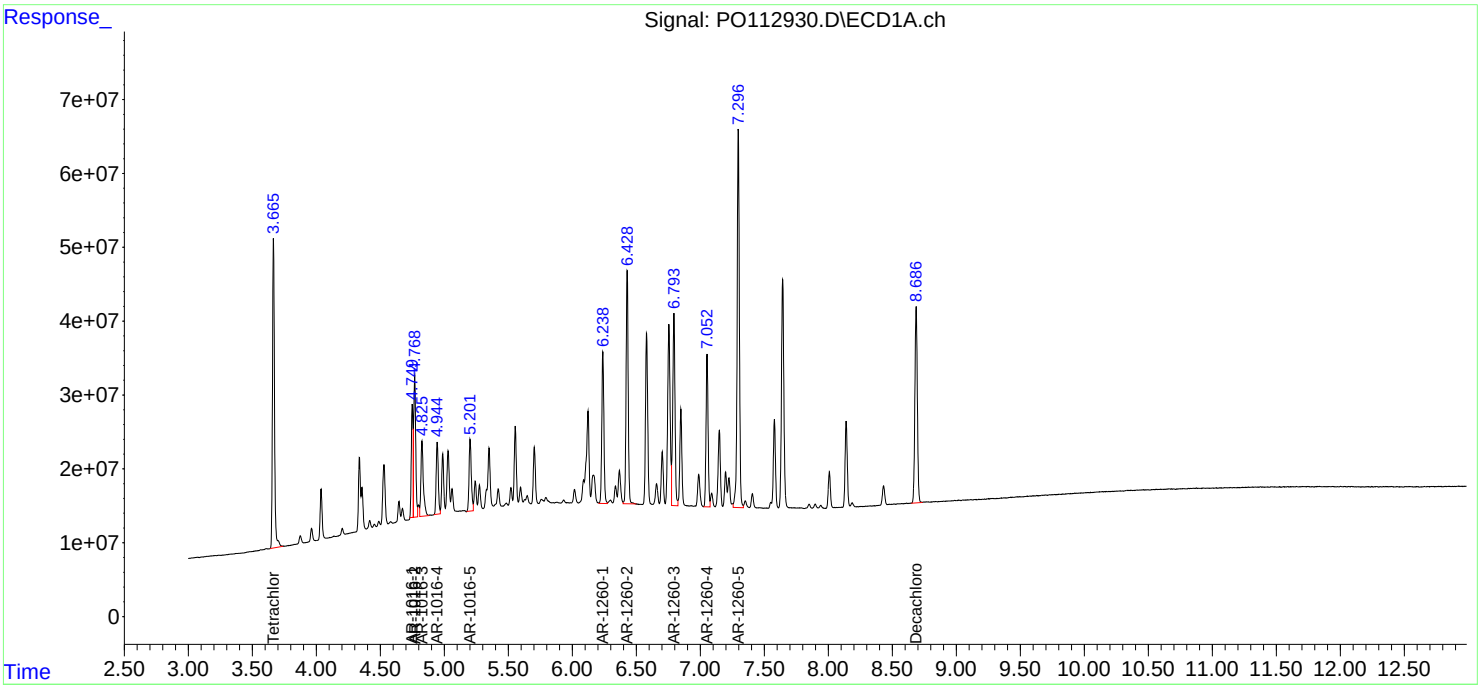
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

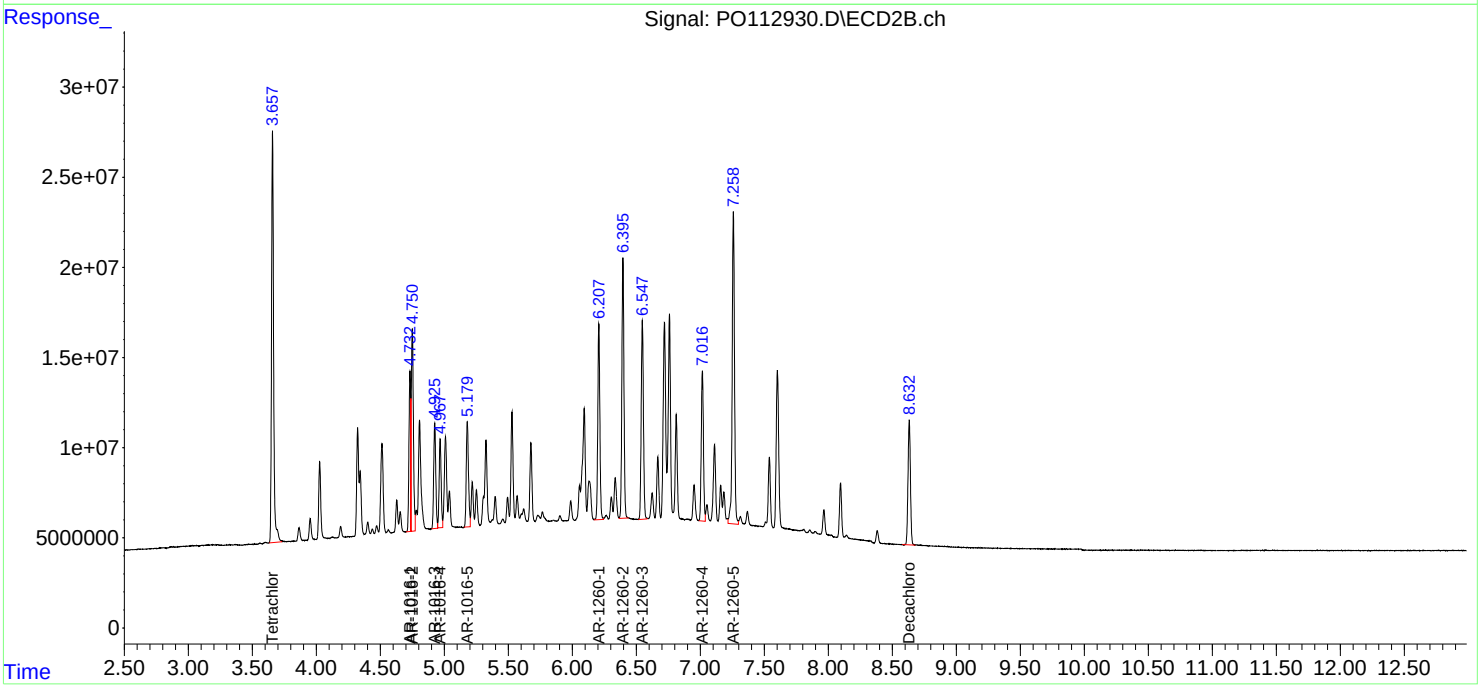
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 10:43:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PO112945.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 15:27 **Initial Calibration Time(s):** 11:32 19:47

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-3	(3)	4.83	4.83	4.73	4.93	0.01
Aroclor-1016-4	(4)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.79	6.80	6.70	6.90	0.01
Aroclor-1260-4	(4)	7.05	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.01
Decachlorobiphenyl		8.69	8.69	8.59	8.79	0.00

Raw Data: **PO112945.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

Continuing Calib Time: 15:27 **Initial Calibration Time(s):** 11:32 19:47

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.93	4.83	5.03	0.00
Aroclor-1016-4	(4)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112945.D **Time Analyzed:** 15:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.749	4.655	4.855	492.510	500.000	-1.5
Aroclor-1016-2	4.768	4.674	4.874	491.760	500.000	-1.6
Aroclor-1016-3	4.825	4.731	4.931	477.380	500.000	-4.5
Aroclor-1016-4	4.944	4.851	5.051	484.610	500.000	-3.1
Aroclor-1016-5	5.201	5.108	5.308	496.740	500.000	-0.7
Aroclor-1260-1	6.237	6.145	6.345	451.200	500.000	-9.8
Aroclor-1260-2	6.427	6.333	6.533	437.550	500.000	-12.5
Aroclor-1260-3	6.793	6.700	6.900	443.170	500.000	-11.4
Aroclor-1260-4	7.052	6.959	7.159	410.660	500.000	-17.9
Aroclor-1260-5	7.295	7.203	7.403	406.730	500.000	-18.7
Decachlorobiphenyl	8.685	8.593	8.793	39.400	50.000	-21.2
Tetrachloro-m-xylene	3.665	3.569	3.769	51.520	50.000	3.0

Raw Data: **PO112945.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112945.D **Time Analyzed:** 15:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.733	4.638	4.838	468.860	500.000	-6.2
Aroclor-1016-2	4.751	4.656	4.856	470.600	500.000	-5.9
Aroclor-1016-3	4.926	4.831	5.031	459.360	500.000	-8.1
Aroclor-1016-4	4.968	4.873	5.073	462.900	500.000	-7.4
Aroclor-1016-5	5.180	5.085	5.285	466.490	500.000	-6.7
Aroclor-1260-1	6.207	6.113	6.313	438.420	500.000	-12.3
Aroclor-1260-2	6.396	6.302	6.502	443.180	500.000	-11.4
Aroclor-1260-3	6.547	6.453	6.653	454.330	500.000	-9.1
Aroclor-1260-4	7.016	6.923	7.123	450.560	500.000	-9.9
Aroclor-1260-5	7.258	7.164	7.364	471.600	500.000	-5.7
Decachlorobiphenyl	8.633	8.540	8.740	46.800	50.000	-6.4
Tetrachloro-m-xylene	3.659	3.562	3.762	49.870	50.000	-0.3

Sample Results: **PO112945.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 16:52:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.665	3.659	418.9E6	247.8E6	51.517	49.866
2)	SA Decachlor...	8.685	8.633	288.1E6	82708522	39.399	46.804
	Target Compounds						
3)	L1 AR-1016-1	4.749	4.733	132.2E6	82053133	492.515	468.856
4)	L1 AR-1016-2	4.768	4.751	199.7E6	122.6E6	491.757	470.600
5)	L1 AR-1016-3	4.825	4.926	124.9E6	62457345	477.382	459.358
6)	L1 AR-1016-4	4.944	4.968	102.7E6	51421251	484.611	462.901
7)	L1 AR-1016-5	5.201	5.180	109.0E6	66849612	496.739	466.491
31)	L7 AR-1260-1	6.237	6.207	198.2E6	109.0E6	451.204	438.416
32)	L7 AR-1260-2	6.427	6.396	301.0E6	146.0E6	437.548	443.182
33)	L7 AR-1260-3	6.793	6.547	260.6E6	116.7E6	443.170	454.333m
34)	L7 AR-1260-4	7.052	7.016	185.2E6	86197701	410.663	450.564
35)	L7 AR-1260-5	7.295	7.258	504.0E6	194.4E6	406.727	471.603

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

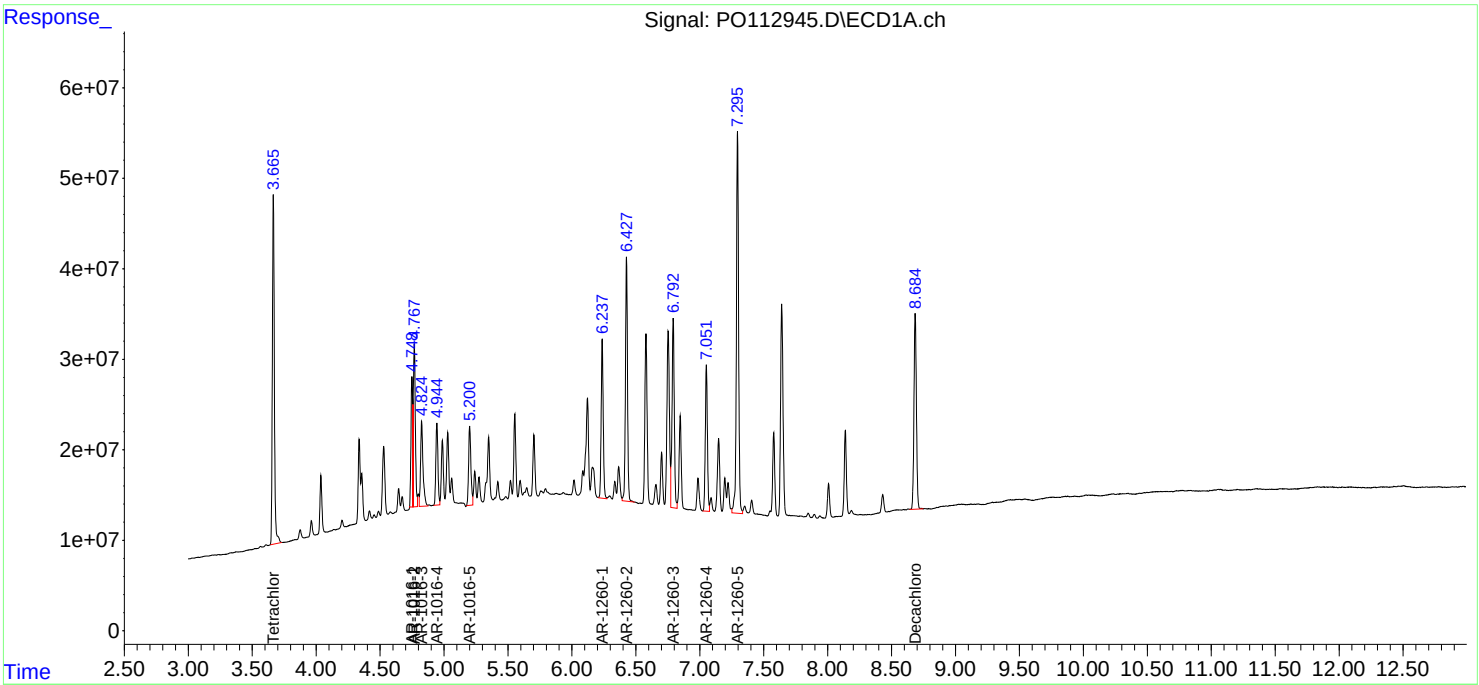
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

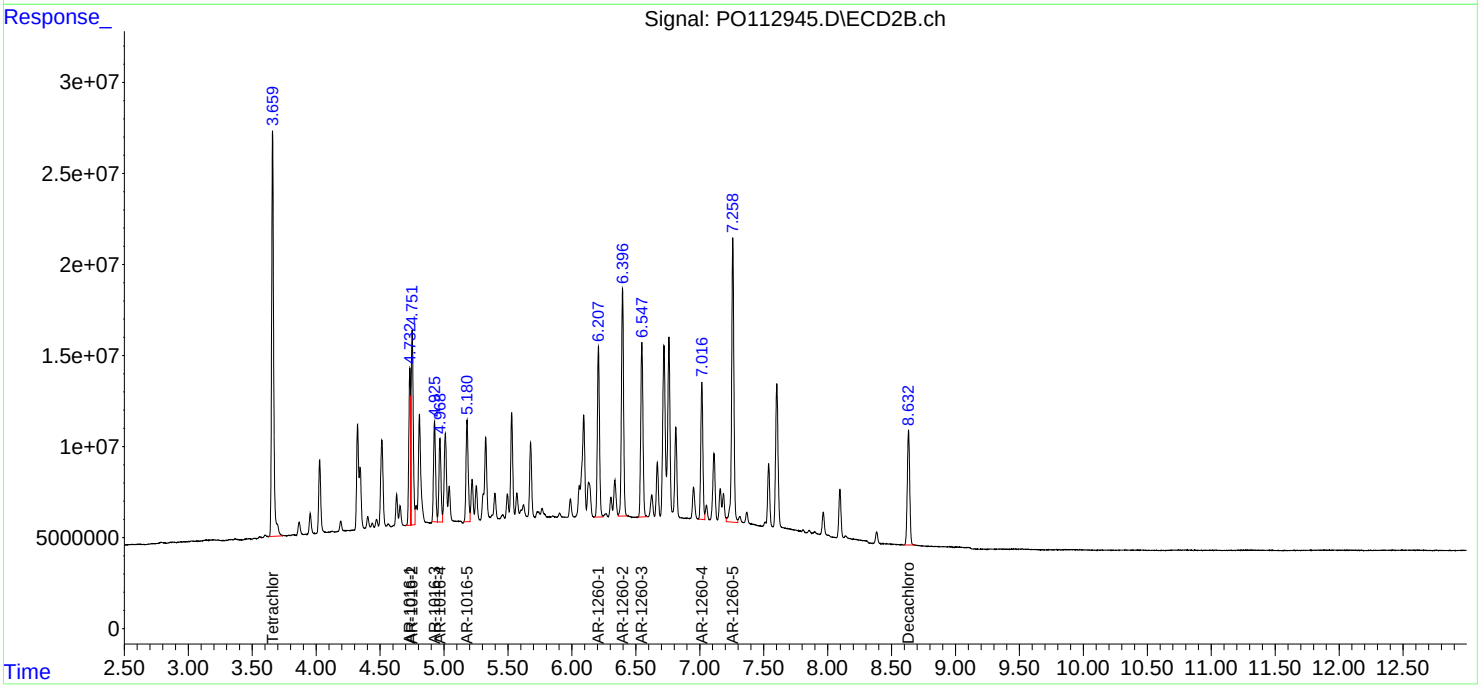
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 16:52:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP074334.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 09:04 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.90	5.80	6.00	0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.66	7.56	7.76	0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.57	8.47	8.67	0.01
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.44	10.44	10.34	10.54	0.00

Raw Data: **PP074334.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 09:04 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.34	5.24	5.44	0.01
Aroclor-1260-1	(1)	6.55	6.56	6.46	6.66	0.01
Aroclor-1260-2	(2)	6.71	6.71	6.61	6.81	0.01
Aroclor-1260-3	(3)	6.92	6.92	6.82	7.02	0.01
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.83	8.73	8.93	0.01

Raw Data: **PP074334.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074334.D **Time Analyzed:** 09:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.809	5.712	5.912	519.460	500.000	3.9
Aroclor-1016-2	5.830	5.733	5.933	523.810	500.000	4.8
Aroclor-1016-3	5.893	5.796	5.996	532.470	500.000	6.5
Aroclor-1016-4	5.990	5.893	6.093	534.840	500.000	7.0
Aroclor-1016-5	6.283	6.186	6.386	527.000	500.000	5.4
Aroclor-1260-1	7.400	7.303	7.503	504.090	500.000	0.8
Aroclor-1260-2	7.653	7.555	7.755	484.890	500.000	-3.0
Aroclor-1260-3	8.011	7.913	8.113	492.480	500.000	-1.5
Aroclor-1260-4	8.239	8.142	8.342	494.160	500.000	-1.2
Aroclor-1260-5	8.565	8.468	8.668	474.660	500.000	-5.1
Decachlorobiphenyl	10.436	10.338	10.538	48.910	50.000	-2.2
Tetrachloro-m-xylene	4.657	4.560	4.760	54.280	50.000	8.6

Raw Data: **PP074334.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074334.D **Time Analyzed:** 09:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.900	4.806	5.006	567.910	500.000	13.6
Aroclor-1016-2	4.958	4.863	5.063	577.260	500.000	15.5
Aroclor-1016-3	5.079	4.983	5.183	563.770	500.000	12.8
Aroclor-1016-4	5.119	5.023	5.223	570.360	500.000	14.1
Aroclor-1016-5	5.334	5.239	5.439	591.500	500.000	18.3
Aroclor-1260-1	6.550	6.455	6.655	545.640	500.000	9.1
Aroclor-1260-2	6.705	6.609	6.809	538.090	500.000	7.6
Aroclor-1260-3	6.915	6.819	7.019	564.730	500.000	12.9
Aroclor-1260-4	7.175	7.079	7.279	549.320	500.000	9.9
Aroclor-1260-5	7.414	7.318	7.518	552.870	500.000	10.6
Decachlorobiphenyl	8.819	8.726	8.926	52.780	50.000	5.6
Tetrachloro-m-xylene	3.801	3.705	3.905	59.680	50.000	19.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 09:04
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: Aug 13 11:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.801	60699336	228.8E6	54.278	59.683
2)	SA Decachlor...	10.436	8.819	47494711	317.4E6	48.905	52.781
	Target Compounds						
3)	L1 AR-1016-1	5.809	4.900	21431398	226.5E6	519.463	567.909
4)	L1 AR-1016-2	5.830	4.958	31817130	108.4E6	523.810	577.259
5)	L1 AR-1016-3	5.893	5.079	21118183	59799212	532.474	563.773
6)	L1 AR-1016-4	5.990	5.119	17405958	62295116	534.836	570.363
7)	L1 AR-1016-5	6.283	5.334	17110565	69184133	526.997	591.503
31)	L7 AR-1260-1	7.400	6.550	28408257	220.4E6	504.085	545.642
32)	L7 AR-1260-2	7.653	6.705	33046210	168.3E6	484.887	538.092
33)	L7 AR-1260-3	8.011	6.915	26246958	222.6E6	492.476	564.732
34)	L7 AR-1260-4	8.239	7.175	30941970	159.8E6	494.162	549.315
35)	L7 AR-1260-5	8.565	7.414	53781862	418.8E6	474.665	552.872

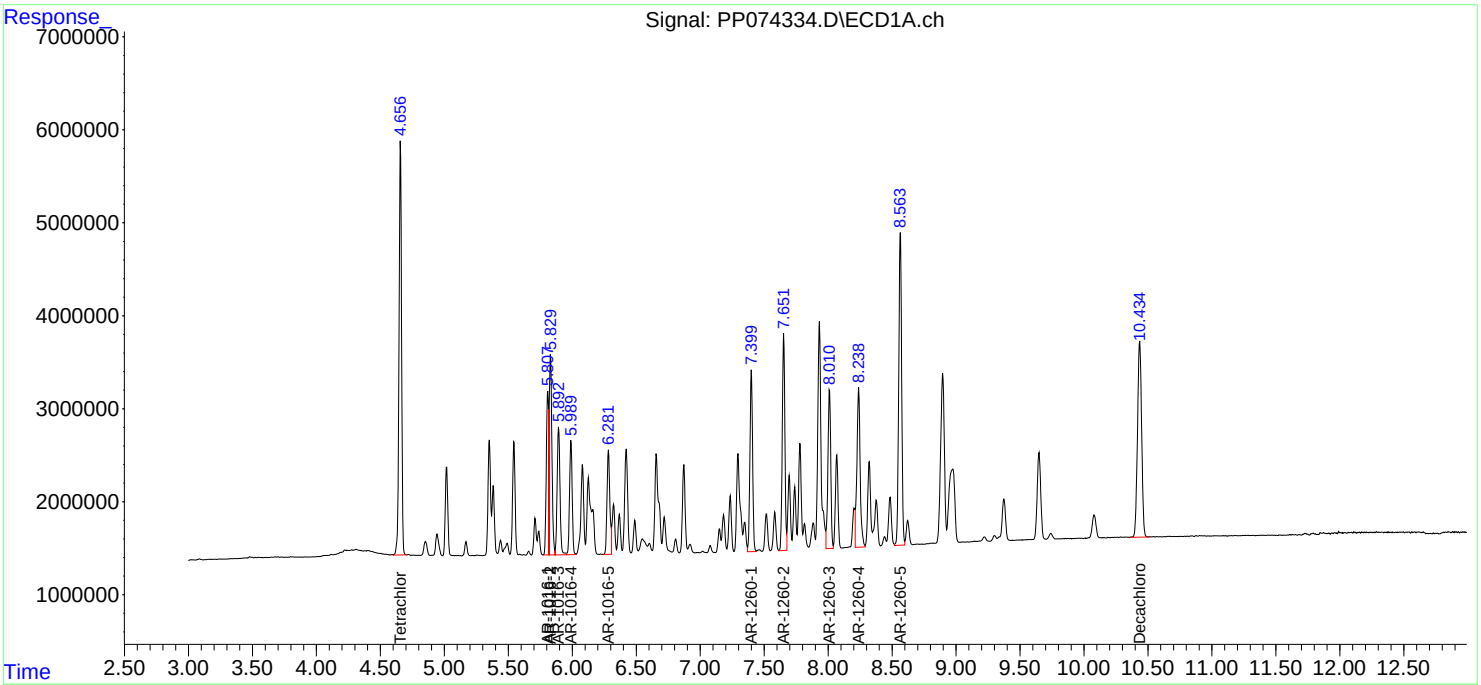
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

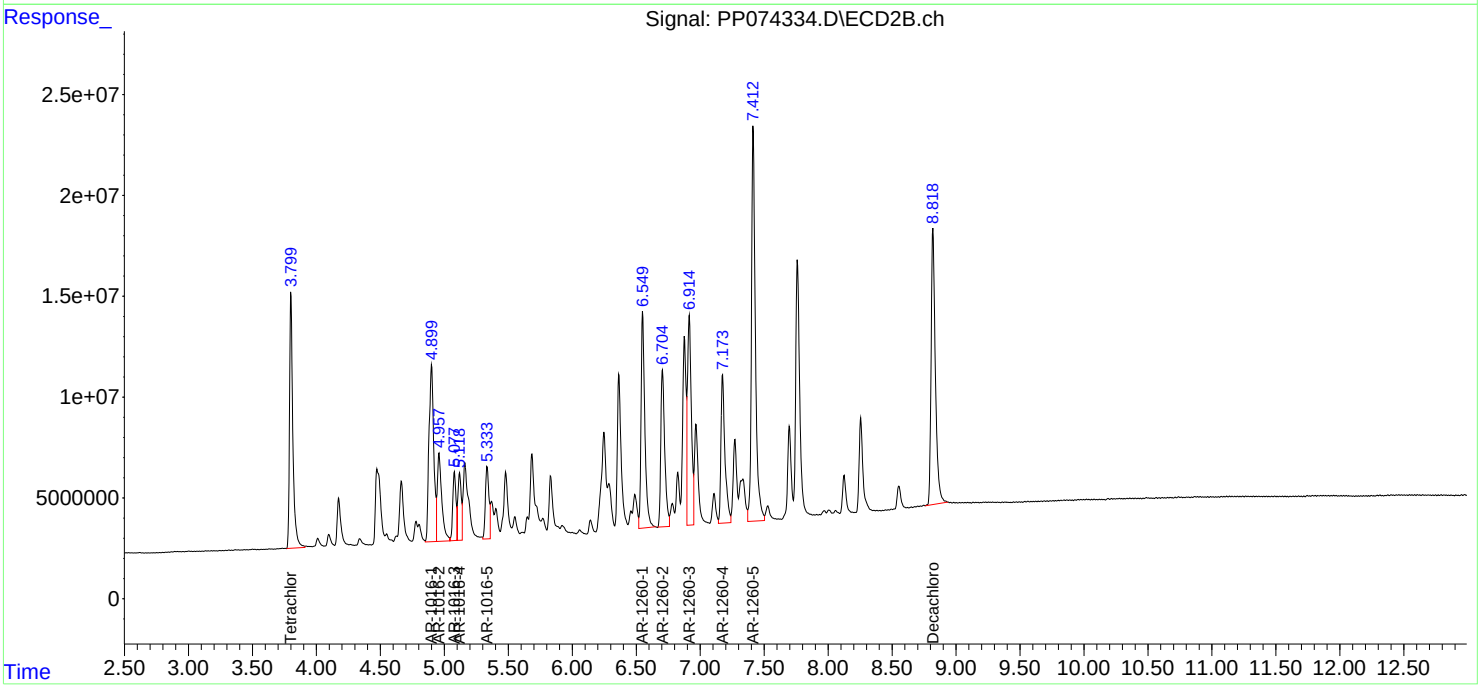
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 09:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 11:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP074348.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 15:54 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.90	5.80	6.00	0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.66	7.56	7.76	0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.57	8.47	8.67	0.01
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.44	10.44	10.34	10.54	0.00

Raw Data: **PP074348.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 15:54 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.34	5.24	5.44	0.01
Aroclor-1260-1	(1)	6.55	6.56	6.46	6.66	0.01
Aroclor-1260-2	(2)	6.71	6.71	6.61	6.81	0.01
Aroclor-1260-3	(3)	6.92	6.92	6.82	7.02	0.01
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.83	8.73	8.93	0.01

Raw Data: **PP074348.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL06 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074348.D **Time Analyzed:** 15:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.809	5.712	5.912	539.370	500.000	7.9
Aroclor-1016-2	5.831	5.733	5.933	519.350	500.000	3.9
Aroclor-1016-3	5.894	5.796	5.996	536.400	500.000	7.3
Aroclor-1016-4	5.991	5.893	6.093	538.480	500.000	7.7
Aroclor-1016-5	6.283	6.186	6.386	527.750	500.000	5.6
Aroclor-1260-1	7.400	7.303	7.503	507.600	500.000	1.5
Aroclor-1260-2	7.653	7.555	7.755	482.260	500.000	-3.5
Aroclor-1260-3	8.011	7.913	8.113	488.950	500.000	-2.2
Aroclor-1260-4	8.239	8.142	8.342	492.340	500.000	-1.5
Aroclor-1260-5	8.565	8.468	8.668	476.780	500.000	-4.6
Decachlorobiphenyl	10.438	10.338	10.538	48.810	50.000	-2.4
Tetrachloro-m-xylene	4.657	4.560	4.760	55.460	50.000	10.9

Raw Data: **PP074348.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL06 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074348.D **Time Analyzed:** 15:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.901	4.806	5.006	574.110	500.000	14.8
Aroclor-1016-2	4.959	4.863	5.063	586.940	500.000	17.4
Aroclor-1016-3	5.078	4.983	5.183	583.830	500.000	16.8
Aroclor-1016-4	5.119	5.023	5.223	582.340	500.000	16.5
Aroclor-1016-5	5.334	5.239	5.439	587.300	500.000	17.5
Aroclor-1260-1	6.551	6.455	6.655	541.220	500.000	8.2
Aroclor-1260-2	6.705	6.609	6.809	539.610	500.000	7.9
Aroclor-1260-3	6.915	6.819	7.019	553.120	500.000	10.6
Aroclor-1260-4	7.175	7.079	7.279	545.680	500.000	9.1
Aroclor-1260-5	7.414	7.318	7.518	545.310	500.000	9.1
Decachlorobiphenyl	8.820	8.726	8.926	51.600	50.000	3.2
Tetrachloro-m-xylene	3.800	3.705	3.905	59.690	50.000	19.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 15:54
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: Aug 13 23:57:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.800	62025915	228.9E6	55.464	59.690
2)	SA Decachlor...	10.438	8.820	47401373	310.3E6	48.809	51.598
	Target Compounds						
3)	L1 AR-1016-1	5.809	4.901	22252627	229.0E6	539.369	574.107
4)	L1 AR-1016-2	5.831	4.959	31546303	110.2E6	519.351	586.937
5)	L1 AR-1016-3	5.894	5.078	21273833	61926803	536.398	583.832
6)	L1 AR-1016-4	5.991	5.119	17524614	63603006	538.482	582.338
7)	L1 AR-1016-5	6.283	5.334	17134940	68692630	527.748	587.301
31)	L7 AR-1260-1	7.400	6.551	28606206	218.6E6	507.598	541.223
32)	L7 AR-1260-2	7.653	6.705	32867113	168.7E6	482.259	539.612
33)	L7 AR-1260-3	8.011	6.915	26059301	218.0E6	488.955	553.123
34)	L7 AR-1260-4	8.239	7.175	30827910	158.8E6	492.341	545.677
35)	L7 AR-1260-5	8.565	7.414	54021439	413.0E6	476.779	545.306

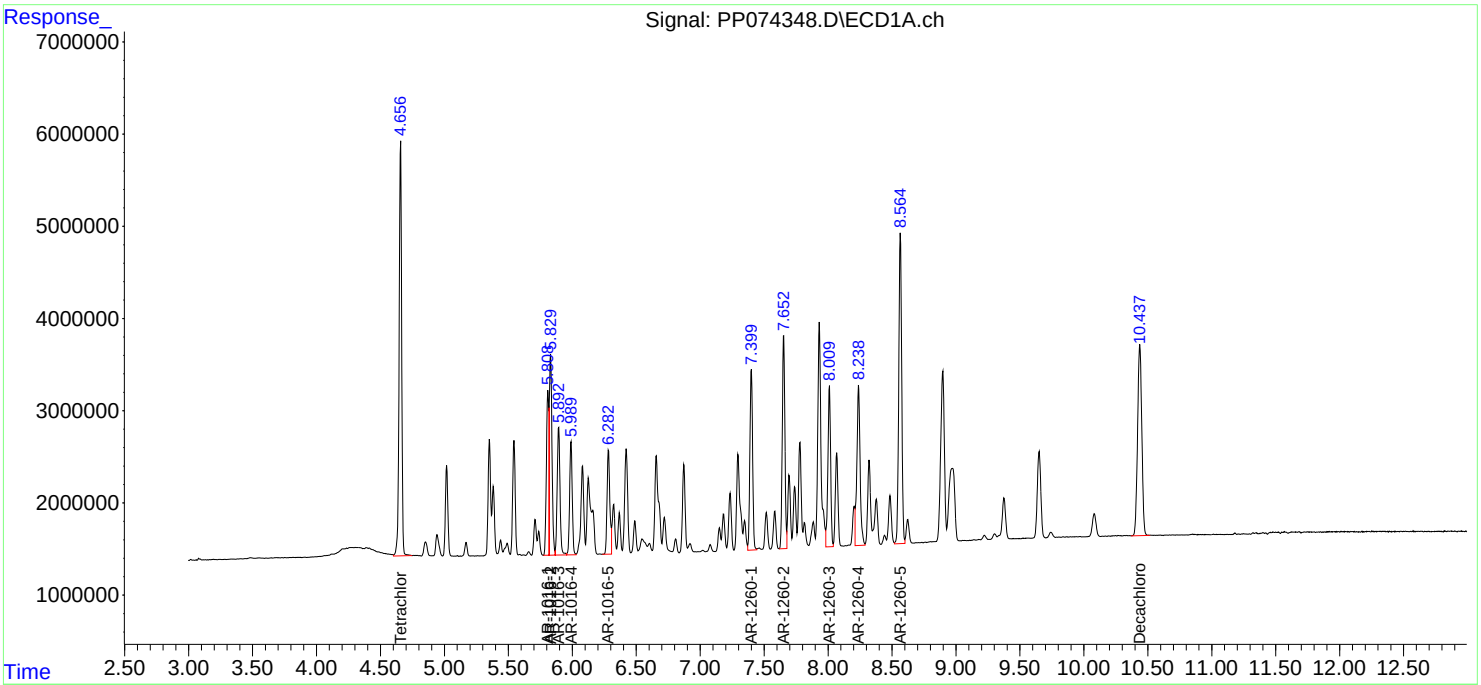
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

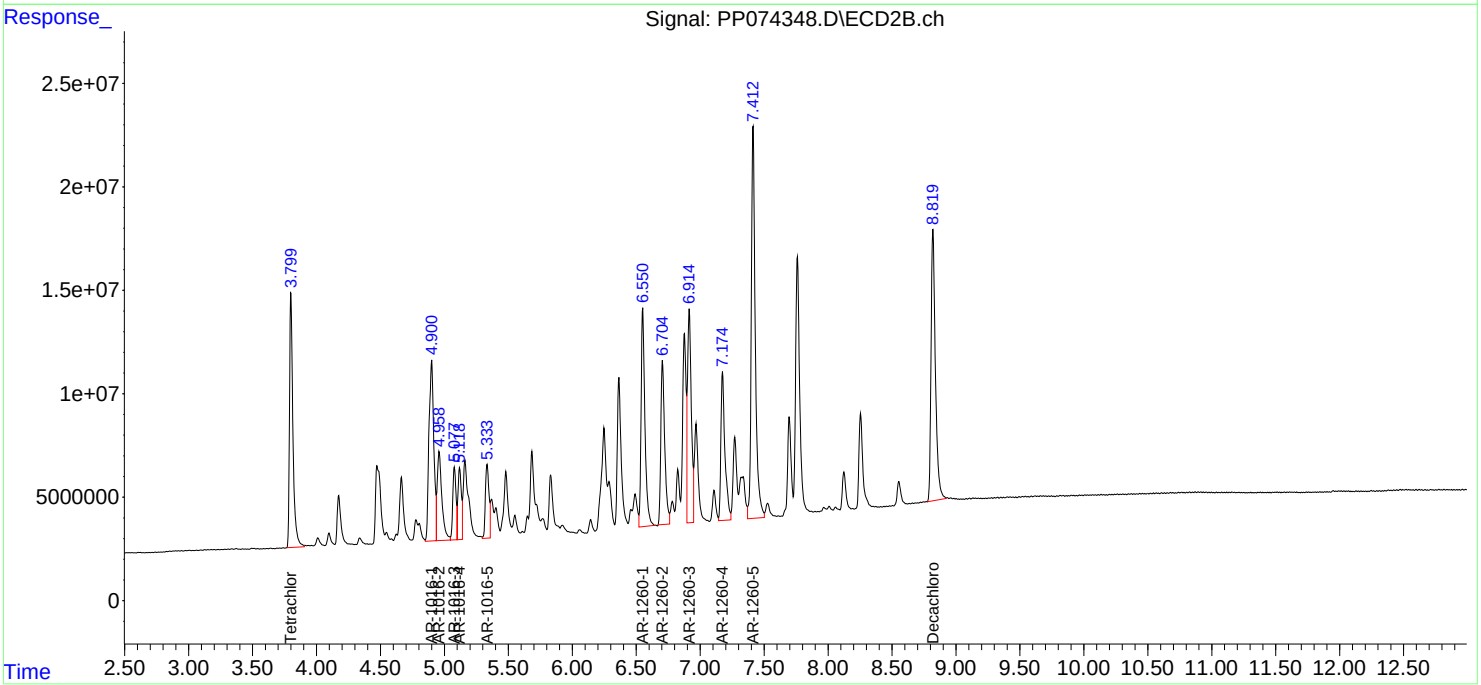
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 15:54
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 23:57:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP074362.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 20:30 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.90	5.90	5.80	6.00	0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.29	6.29	6.19	6.39	0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.66	7.56	7.76	0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.57	8.47	8.67	0.00
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.44	10.44	10.34	10.54	0.00

Raw Data: **PP074362.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 20:30 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.34	5.24	5.44	0.01
Aroclor-1260-1	(1)	6.55	6.56	6.46	6.66	0.01
Aroclor-1260-2	(2)	6.71	6.71	6.61	6.81	0.00
Aroclor-1260-3	(3)	6.92	6.92	6.82	7.02	0.00
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.83	8.73	8.93	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL07 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074362.D **Time Analyzed:** 20:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.810	5.712	5.912	527.610	500.000	5.5
Aroclor-1016-2	5.832	5.733	5.933	533.020	500.000	6.6
Aroclor-1016-3	5.895	5.796	5.996	544.910	500.000	9.0
Aroclor-1016-4	5.992	5.893	6.093	540.630	500.000	8.1
Aroclor-1016-5	6.285	6.186	6.386	533.180	500.000	6.6
Aroclor-1260-1	7.402	7.303	7.503	509.770	500.000	2.0
Aroclor-1260-2	7.654	7.555	7.755	493.210	500.000	-1.4
Aroclor-1260-3	8.013	7.913	8.113	497.710	500.000	-0.5
Aroclor-1260-4	8.241	8.142	8.342	500.220	500.000	0.0
Aroclor-1260-5	8.567	8.468	8.668	482.520	500.000	-3.5
Decachlorobiphenyl	10.437	10.338	10.538	49.270	50.000	-1.5
Tetrachloro-m-xylene	4.659	4.560	4.760	55.880	50.000	11.8

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL07 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074362.D **Time Analyzed:** 20:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.902	4.806	5.006	589.560	500.000	17.9
Aroclor-1016-2	4.961	4.863	5.063	592.870	500.000	18.6
Aroclor-1016-3	5.080	4.983	5.183	589.270	500.000	17.9
Aroclor-1016-4	5.121	5.023	5.223	576.210	500.000	15.2
Aroclor-1016-5	5.334	5.239	5.439	553.350	500.000	10.7
Aroclor-1260-1	6.552	6.455	6.655	560.130	500.000	12.0
Aroclor-1260-2	6.706	6.609	6.809	552.530	500.000	10.5
Aroclor-1260-3	6.916	6.819	7.019	568.070	500.000	13.6
Aroclor-1260-4	7.176	7.079	7.279	559.600	500.000	11.9
Aroclor-1260-5	7.415	7.318	7.518	564.360	500.000	12.9
Decachlorobiphenyl	8.820	8.726	8.926	53.490	50.000	7.0
Tetrachloro-m-xylene	3.801	3.705	3.905	59.430	50.000	18.9

Sample Results: **PP074362.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 20:30
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 00:02:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.801	62495053	227.9E6	55.884	59.427m
2)	SA Decachlor...	10.437	8.820	47848347	321.7E6	49.269	53.490
	Target Compounds						
3)	L1 AR-1016-1	5.810	4.902	21767569	235.2E6	527.612	589.560
4)	L1 AR-1016-2	5.832	4.961	32376709	111.3E6	533.023	592.869
5)	L1 AR-1016-3	5.895	5.080	21611227	62504169	544.905	589.275
6)	L1 AR-1016-4	5.992	5.121	17594613	62934228	540.633	576.215
7)	L1 AR-1016-5	6.285	5.334	17311303	64721661	533.180	553.350m
31)	L7 AR-1260-1	7.402	6.552	28728677	226.3E6	509.771	560.132
32)	L7 AR-1260-2	7.654	6.706	33613481	172.8E6	493.211	552.529
33)	L7 AR-1260-3	8.013	6.916	26525957	223.9E6	497.711	568.069
34)	L7 AR-1260-4	8.241	7.176	31321316	162.8E6	500.221	559.605
35)	L7 AR-1260-5	8.567	7.415	54671864	427.5E6	482.520	564.361

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 20:30
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

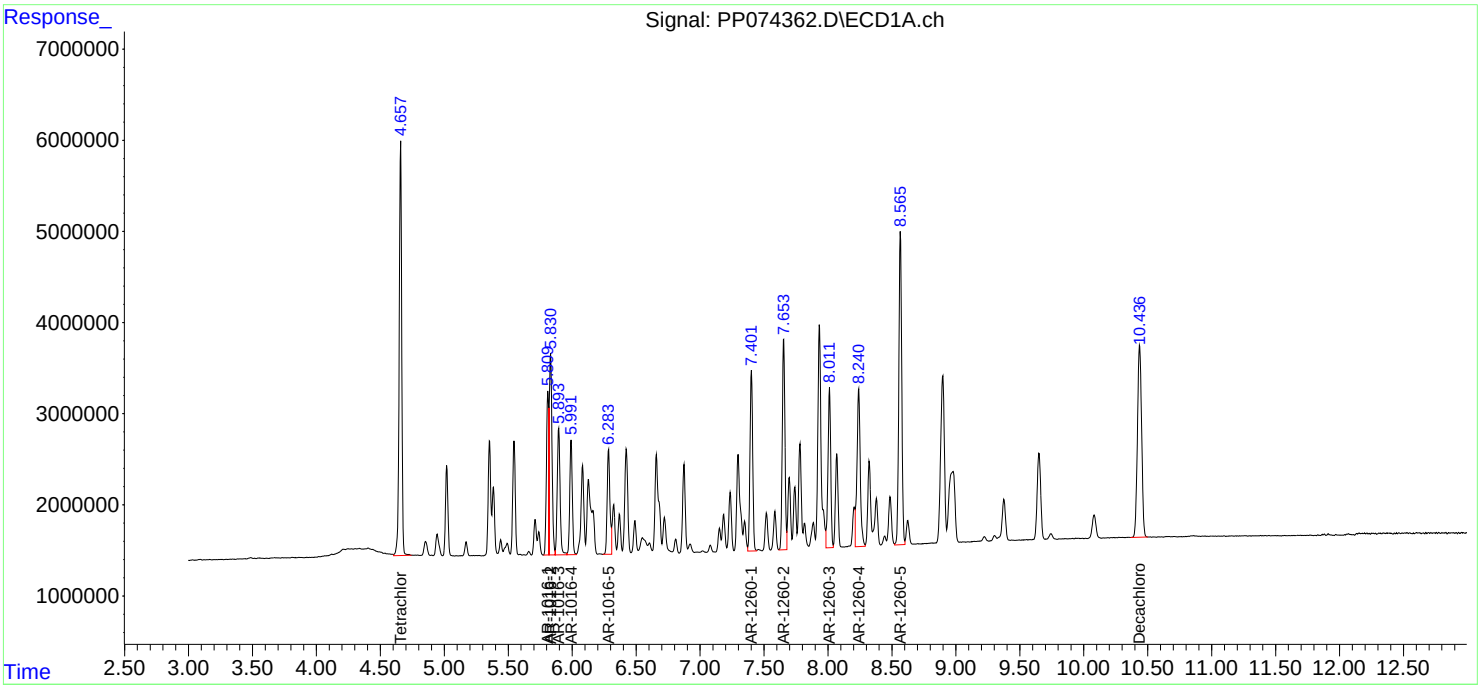
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

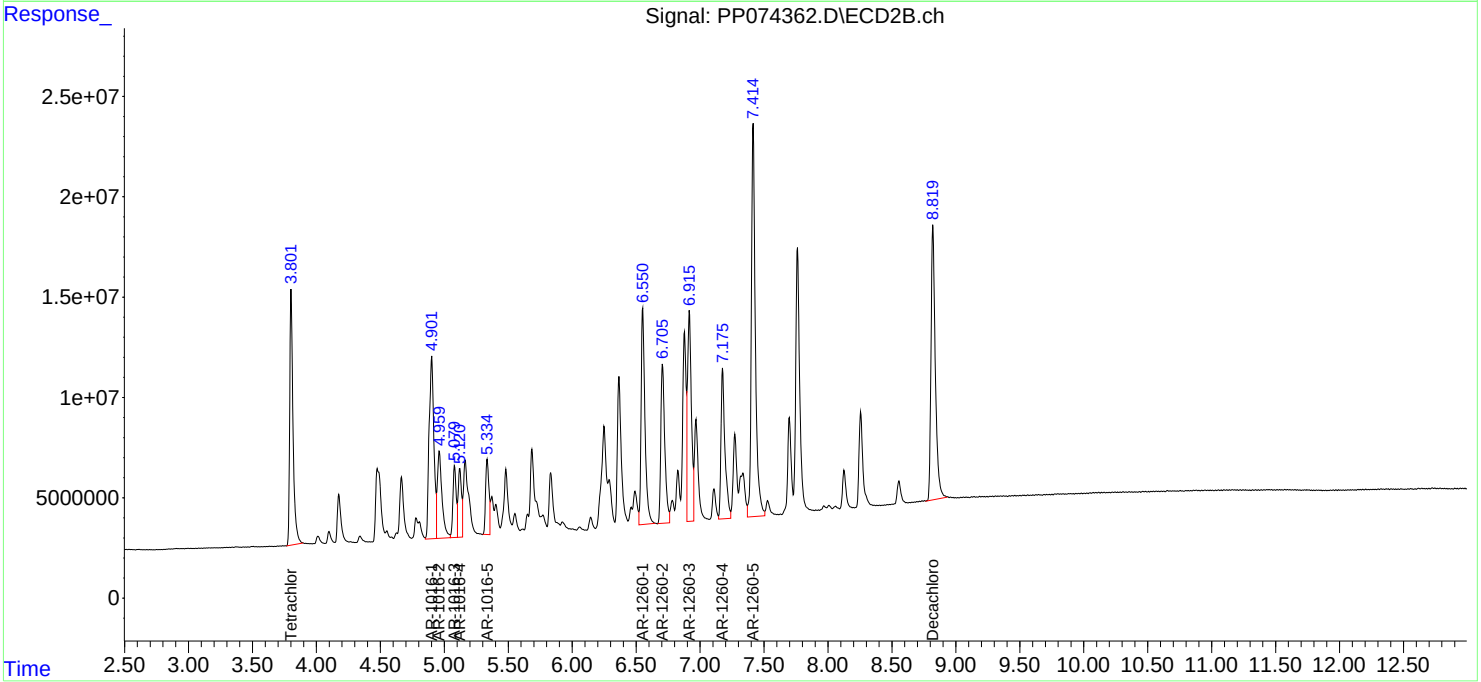
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 00:02:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP074368.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 23:30 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.90	5.90	5.80	6.00	0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.66	7.56	7.76	0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.57	8.47	8.67	0.00
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.44	10.44	10.34	10.54	0.00

Raw Data: **PP074368.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/13/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 23:30 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.34	5.34	5.24	5.44	0.00
Aroclor-1260-1	(1)	6.55	6.56	6.46	6.66	0.01
Aroclor-1260-2	(2)	6.71	6.71	6.61	6.81	0.00
Aroclor-1260-3	(3)	6.92	6.92	6.82	7.02	0.00
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.83	8.73	8.93	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL08 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074368.D **Time Analyzed:** 23:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.810	5.712	5.912	532.220	500.000	6.4
Aroclor-1016-2	5.832	5.733	5.933	531.780	500.000	6.4
Aroclor-1016-3	5.895	5.796	5.996	543.380	500.000	8.7
Aroclor-1016-4	5.992	5.893	6.093	542.160	500.000	8.4
Aroclor-1016-5	6.284	6.186	6.386	532.190	500.000	6.4
Aroclor-1260-1	7.401	7.303	7.503	512.180	500.000	2.4
Aroclor-1260-2	7.654	7.555	7.755	494.700	500.000	-1.1
Aroclor-1260-3	8.012	7.913	8.113	501.400	500.000	0.3
Aroclor-1260-4	8.240	8.142	8.342	507.860	500.000	1.6
Aroclor-1260-5	8.566	8.468	8.668	486.610	500.000	-2.7
Decachlorobiphenyl	10.437	10.338	10.538	49.940	50.000	-0.1
Tetrachloro-m-xylene	4.659	4.560	4.760	55.440	50.000	10.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL08 **Date Analyzed:** 08/13/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074368.D **Time Analyzed:** 23:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.902	4.806	5.006	575.690	500.000	15.1
Aroclor-1016-2	4.960	4.863	5.063	595.280	500.000	19.1
Aroclor-1016-3	5.080	4.983	5.183	593.040	500.000	18.6
Aroclor-1016-4	5.121	5.023	5.223	572.950	500.000	14.6
Aroclor-1016-5	5.336	5.239	5.439	591.030	500.000	18.2
Aroclor-1260-1	6.552	6.455	6.655	570.950	500.000	14.2
Aroclor-1260-2	6.706	6.609	6.809	562.770	500.000	12.6
Aroclor-1260-3	6.916	6.819	7.019	577.230	500.000	15.4
Aroclor-1260-4	7.176	7.079	7.279	563.830	500.000	12.8
Aroclor-1260-5	7.414	7.318	7.518	581.180	500.000	16.2
Decachlorobiphenyl	8.819	8.726	8.926	54.620	50.000	9.2
Tetrachloro-m-xylene	3.803	3.705	3.905	59.950	50.000	19.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 23:30
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: Aug 14 00:29:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.803	61993358	229.9E6	55.435	59.952
2)	SA Decachlor...	10.437	8.819	48496914	328.5E6	49.937	54.624
	Target Compounds						
3)	L1 AR-1016-1	5.810	4.902	21957828	229.6E6	532.223	575.694
4)	L1 AR-1016-2	5.832	4.960	32300948	111.8E6	531.775	595.285
5)	L1 AR-1016-3	5.895	5.080	21550699	62903963	543.379	593.044
6)	L1 AR-1016-4	5.992	5.121	17644166	62577105	542.156	572.945
7)	L1 AR-1016-5	6.284	5.336	17279312	69128339	532.194	591.026
31)	L7 AR-1260-1	7.401	6.552	28864583	230.6E6	512.182	570.952
32)	L7 AR-1260-2	7.654	6.706	33715207	176.0E6	494.703	562.767
33)	L7 AR-1260-3	8.012	6.916	26722656	227.5E6	501.401	577.231
34)	L7 AR-1260-4	8.240	7.176	31799909	164.1E6	507.864	563.829
35)	L7 AR-1260-5	8.566	7.414	55135126	440.2E6	486.608	581.175

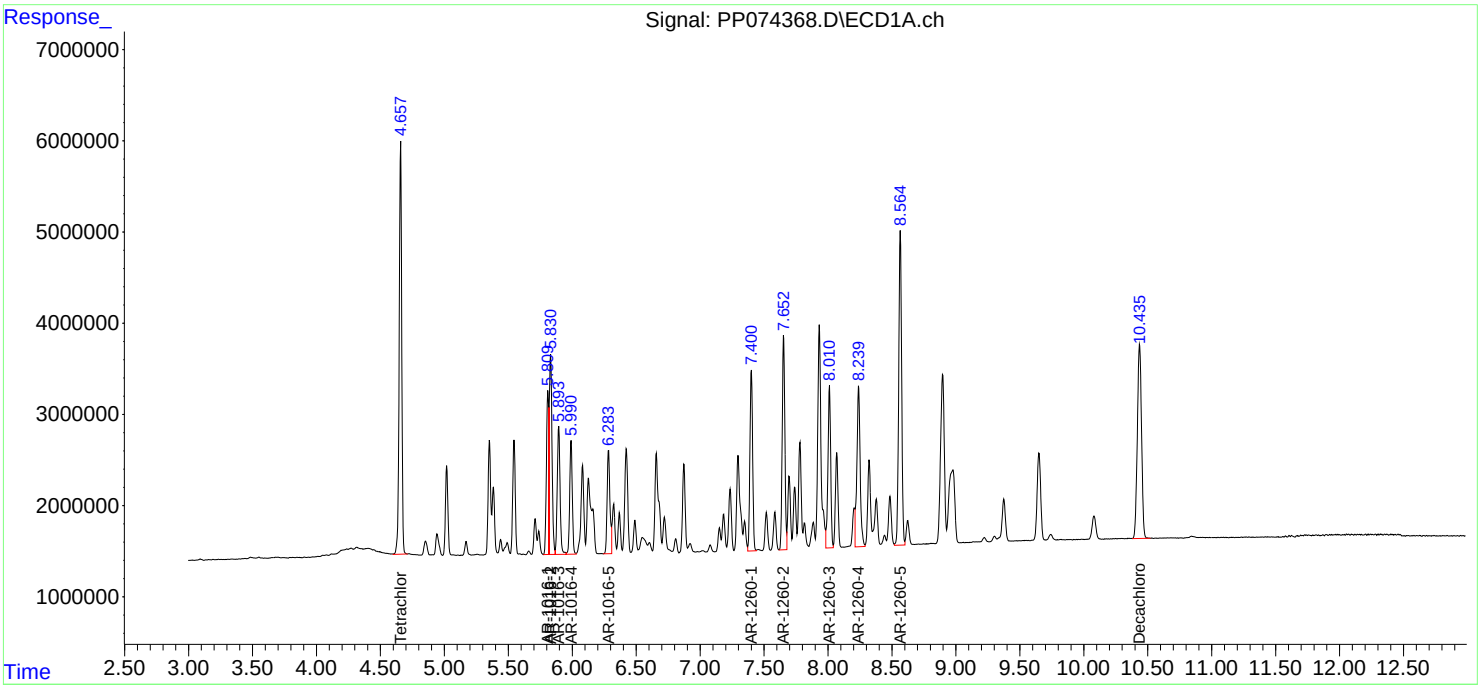
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

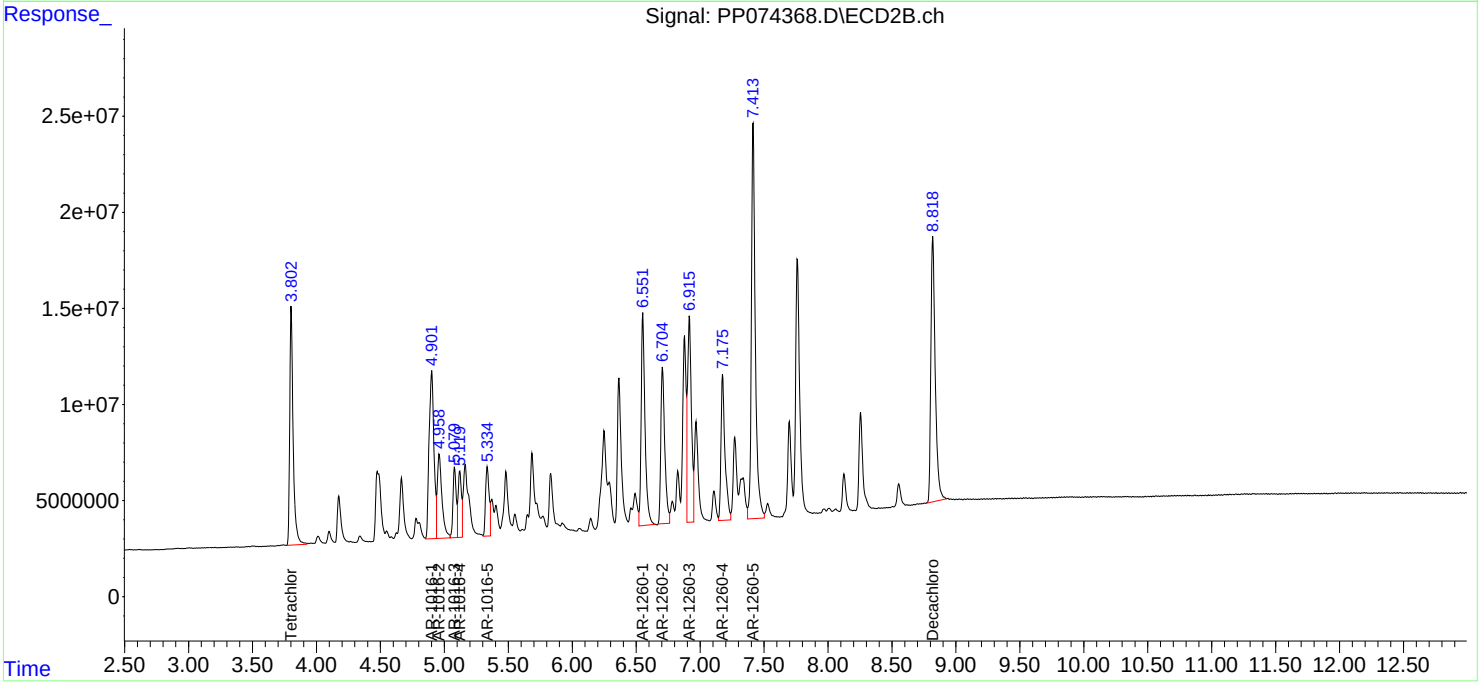
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 23:30
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 00:29:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP074373.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 08:27 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.90	5.80	6.00	0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.66	7.56	7.76	0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.57	8.47	8.67	0.01
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.44	10.44	10.34	10.54	0.00

Raw Data: **PP074373.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 08:27 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.34	5.24	5.44	0.01
Aroclor-1260-1	(1)	6.55	6.56	6.46	6.66	0.01
Aroclor-1260-2	(2)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-3	(3)	6.91	6.92	6.82	7.02	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.83	8.73	8.93	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL09 **Date Analyzed:** 08/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074373.D **Time Analyzed:** 08:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.808	5.712	5.912	533.120	500.000	6.6
Aroclor-1016-2	5.830	5.733	5.933	526.230	500.000	5.2
Aroclor-1016-3	5.892	5.796	5.996	534.530	500.000	6.9
Aroclor-1016-4	5.989	5.893	6.093	541.630	500.000	8.3
Aroclor-1016-5	6.282	6.186	6.386	523.040	500.000	4.6
Aroclor-1260-1	7.400	7.303	7.503	489.650	500.000	-2.1
Aroclor-1260-2	7.653	7.555	7.755	475.290	500.000	-4.9
Aroclor-1260-3	8.011	7.913	8.113	480.170	500.000	-4.0
Aroclor-1260-4	8.239	8.142	8.342	485.690	500.000	-2.9
Aroclor-1260-5	8.565	8.468	8.668	464.970	500.000	-7.0
Decachlorobiphenyl	10.437	10.338	10.538	47.490	50.000	-5.0
Tetrachloro-m-xylene	4.655	4.560	4.760	56.520	50.000	13.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL09 **Date Analyzed:** 08/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074373.D **Time Analyzed:** 08:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.900	4.806	5.006	554.710	500.000	10.9
Aroclor-1016-2	4.957	4.863	5.063	558.540	500.000	11.7
Aroclor-1016-3	5.078	4.983	5.183	559.480	500.000	11.9
Aroclor-1016-4	5.117	5.023	5.223	569.010	500.000	13.8
Aroclor-1016-5	5.332	5.239	5.439	594.260	500.000	18.9
Aroclor-1260-1	6.549	6.455	6.655	544.340	500.000	8.9
Aroclor-1260-2	6.704	6.609	6.809	527.160	500.000	5.4
Aroclor-1260-3	6.913	6.819	7.019	553.670	500.000	10.7
Aroclor-1260-4	7.174	7.079	7.279	532.690	500.000	6.5
Aroclor-1260-5	7.412	7.318	7.518	545.830	500.000	9.2
Decachlorobiphenyl	8.817	8.726	8.926	51.890	50.000	3.8
Tetrachloro-m-xylene	3.799	3.705	3.905	58.630	50.000	17.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 08:27
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: Aug 14 11:00:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.655	3.799	63201868	224.8E6	56.516	58.627
2)	SA Decachlor...	10.437	8.817	46124586	312.1E6	47.494	51.892
	Target Compounds						
3)	L1 AR-1016-1	5.808	4.900	21994700	221.3E6	533.117	554.706
4)	L1 AR-1016-2	5.830	4.957	31964087	104.9E6	526.229	558.538
5)	L1 AR-1016-3	5.892	5.078	21199758	59343474	534.531	559.477
6)	L1 AR-1016-4	5.989	5.117	17626941	62146884	541.626	569.006
7)	L1 AR-1016-5	6.282	5.332	16982078	69506403	523.040	594.258
31)	L7 AR-1260-1	7.400	6.549	27594558	219.9E6	489.647	544.341
32)	L7 AR-1260-2	7.653	6.704	32392378	164.8E6	475.294	527.162
33)	L7 AR-1260-3	8.011	6.913	25591085	218.2E6	480.170	553.665
34)	L7 AR-1260-4	8.239	7.174	30411346	155.0E6	485.688	532.688
35)	L7 AR-1260-5	8.565	7.412	52683396	413.4E6	464.970	545.829

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

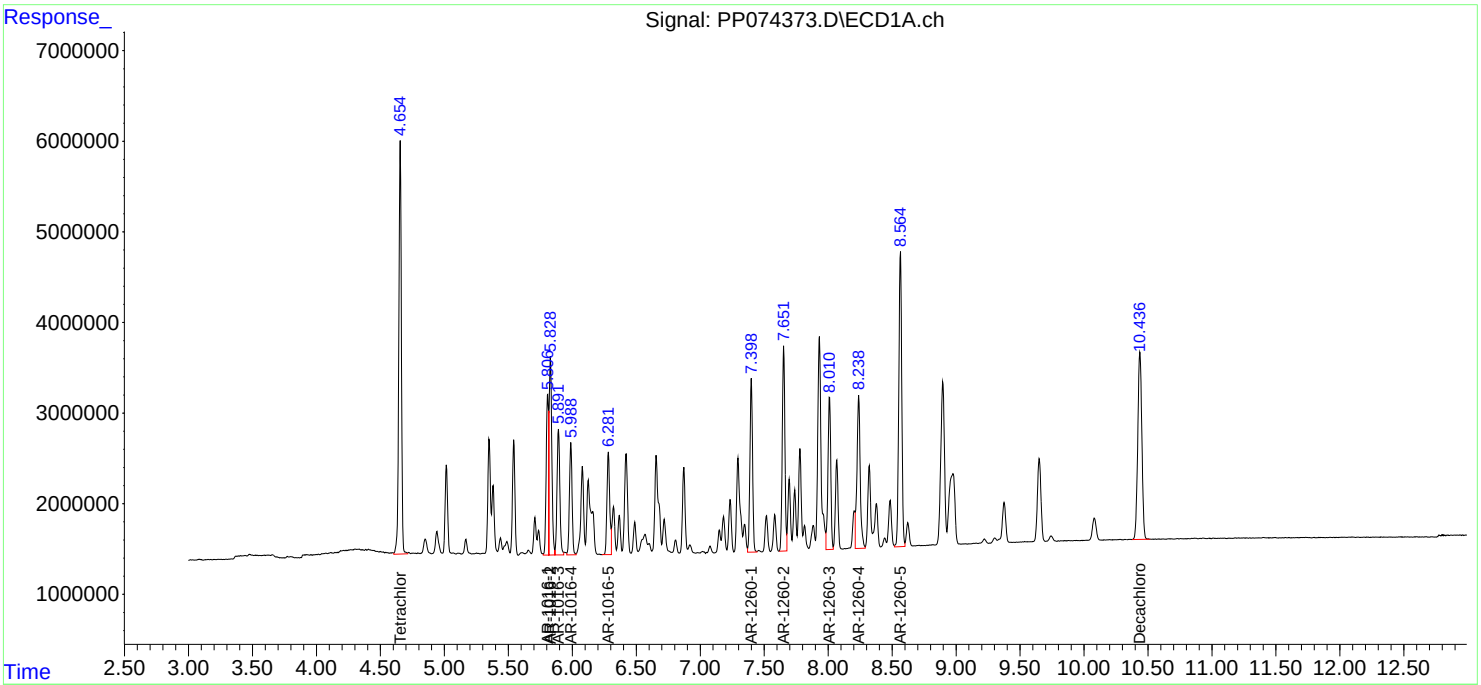
Sample Results: **PP074373.D**

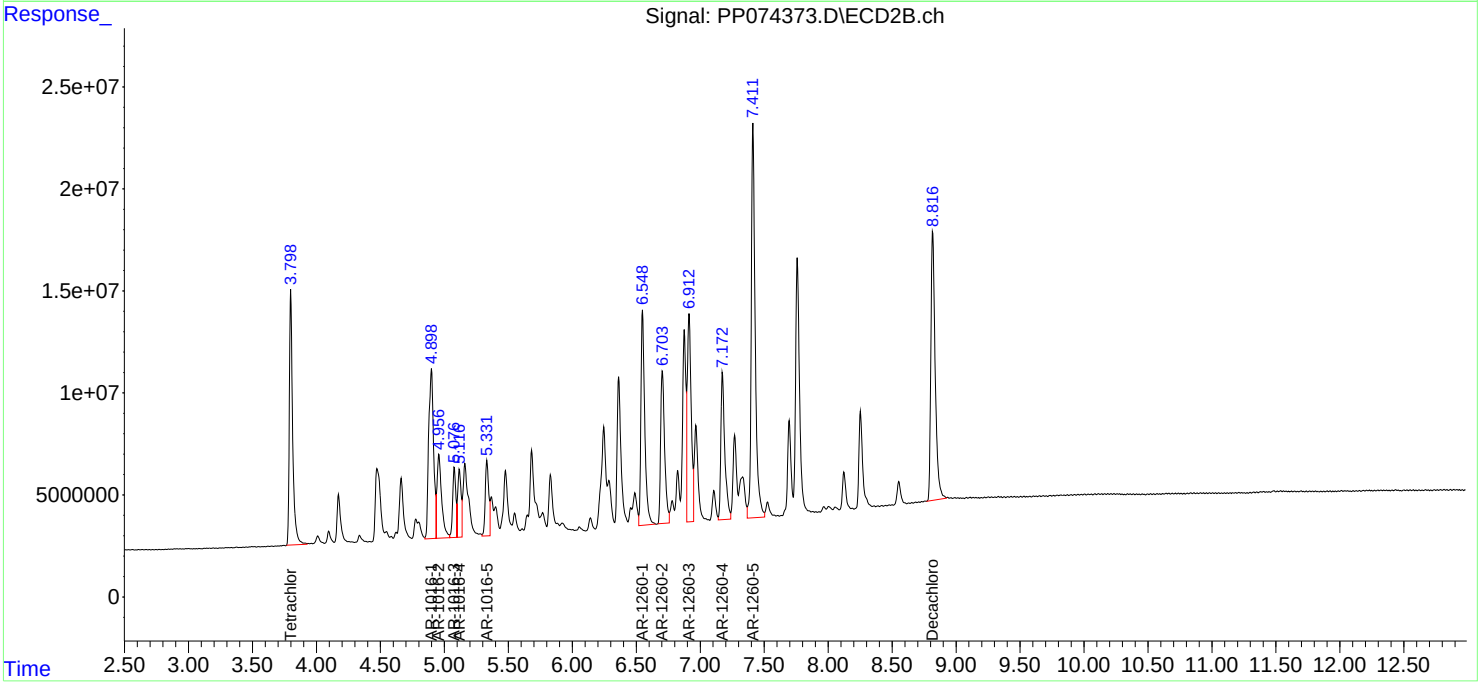
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 08:27
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 11:00:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP074387.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 14:22 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.90	5.80	6.00	0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.66	7.56	7.76	0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.57	8.47	8.67	0.00
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.44	10.44	10.34	10.54	0.00

Raw Data: **PP074387.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

Continuing Calib Time: 14:22 **Initial Calibration Time(s):** 12:05 20:28

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.91	4.81	5.01	0.01
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.34	5.24	5.44	0.01
Aroclor-1260-1	(1)	6.55	6.56	6.46	6.66	0.01
Aroclor-1260-2	(2)	6.71	6.71	6.61	6.81	0.01
Aroclor-1260-3	(3)	6.92	6.92	6.82	7.02	0.01
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.41	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.83	8.73	8.93	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL10 **Date Analyzed:** 08/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074387.D **Time Analyzed:** 14:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.810	5.712	5.912	456.760	500.000	-8.6
Aroclor-1016-2	5.832	5.733	5.933	454.890	500.000	-9.0
Aroclor-1016-3	5.894	5.796	5.996	460.980	500.000	-7.8
Aroclor-1016-4	5.992	5.893	6.093	463.390	500.000	-7.3
Aroclor-1016-5	6.284	6.186	6.386	445.880	500.000	-10.8
Aroclor-1260-1	7.402	7.303	7.503	429.860	500.000	-14.0
Aroclor-1260-2	7.654	7.555	7.755	410.640	500.000	-17.9
Aroclor-1260-3	8.012	7.913	8.113	417.030	500.000	-16.6
Aroclor-1260-4	8.241	8.142	8.342	421.890	500.000	-15.6
Aroclor-1260-5	8.567	8.468	8.668	405.160	500.000	-19.0
Decachlorobiphenyl	10.440	10.338	10.538	42.840	50.000	-14.3
Tetrachloro-m-xylene	4.658	4.560	4.760	49.610	50.000	-0.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2832

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

Client Sample No.: CCAL10 **Date Analyzed:** 08/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074387.D **Time Analyzed:** 14:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.901	4.806	5.006	524.770	500.000	5.0
Aroclor-1016-2	4.959	4.863	5.063	530.180	500.000	6.0
Aroclor-1016-3	5.079	4.983	5.183	518.870	500.000	3.8
Aroclor-1016-4	5.119	5.023	5.223	527.160	500.000	5.4
Aroclor-1016-5	5.334	5.239	5.439	523.280	500.000	4.7
Aroclor-1260-1	6.551	6.455	6.655	444.180	500.000	-11.2
Aroclor-1260-2	6.705	6.609	6.809	444.670	500.000	-11.1
Aroclor-1260-3	6.915	6.819	7.019	459.000	500.000	-8.2
Aroclor-1260-4	7.175	7.079	7.279	442.510	500.000	-11.5
Aroclor-1260-5	7.414	7.318	7.518	433.540	500.000	-13.3
Decachlorobiphenyl	8.819	8.726	8.926	42.850	50.000	-14.3
Tetrachloro-m-xylene	3.801	3.705	3.905	54.230	50.000	8.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:22
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: Aug 14 15:12:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.658	3.801	55476187	208.0E6	49.607	54.233
2)	SA Decachlor...	10.440	8.819	41607701	257.7E6	42.843	42.855
	Target Compounds						
3)	L1 AR-1016-1	5.810	4.901	18844660	209.3E6	456.765	524.768
4)	L1 AR-1016-2	5.832	4.959	27630619	99572570	454.887	530.180
5)	L1 AR-1016-3	5.894	5.079	18282636	55036850	460.978	518.875
6)	L1 AR-1016-4	5.992	5.119	15080770	57576903	463.390	527.164
7)	L1 AR-1016-5	6.284	5.334	14476905	61204197	445.882	523.277
31)	L7 AR-1260-1	7.402	6.551	24225116	179.4E6	429.858	444.184
32)	L7 AR-1260-2	7.654	6.705	27986237	139.0E6	410.642	444.667
33)	L7 AR-1260-3	8.012	6.915	22226254	180.9E6	417.035	459.005
34)	L7 AR-1260-4	8.241	7.175	26416708	128.8E6	421.891	442.512
35)	L7 AR-1260-5	8.567	7.414	45906476	328.4E6	405.159	433.535

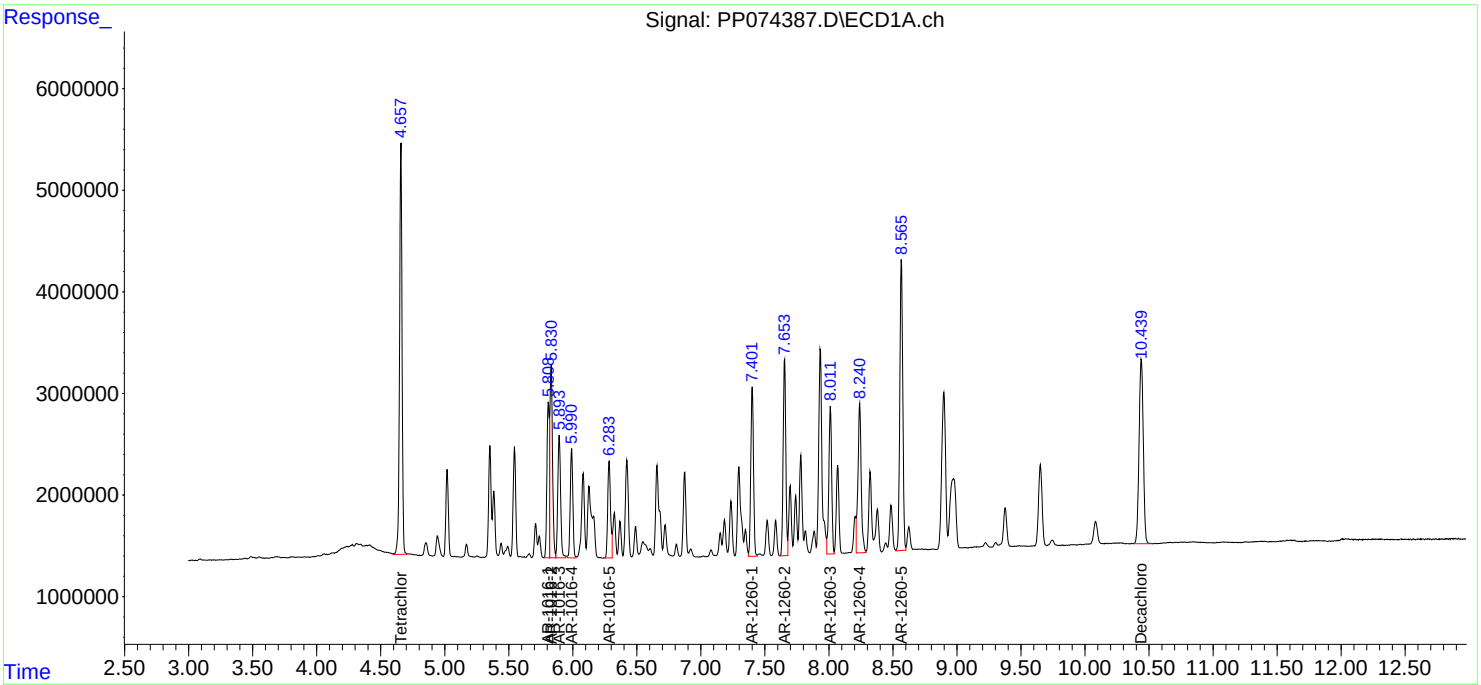
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

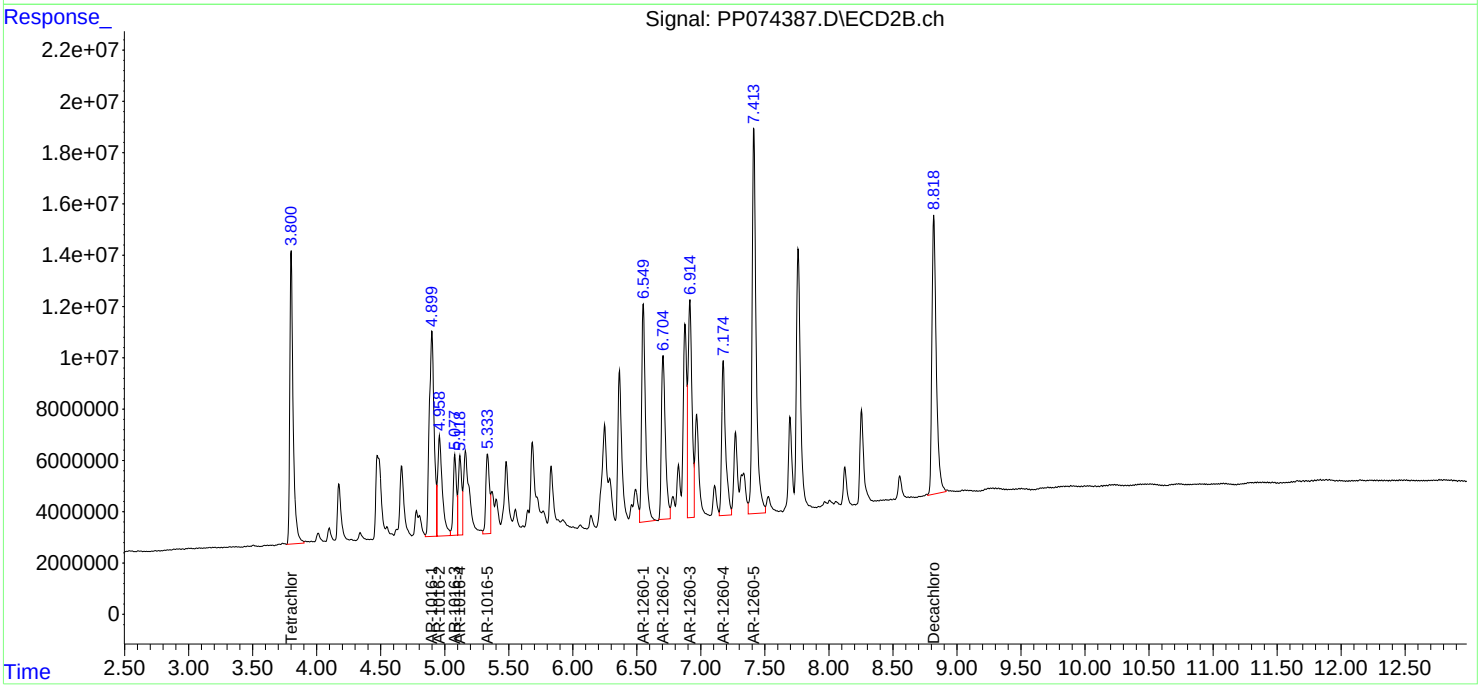
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 15:12:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/23/2025 07/23/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/23/2025	11:14	PO112413.D	8.69	3.67
AR1660ICC1000	AR1660ICC1000	07/23/2025	11:32	PO112414.D	8.70	3.67
AR1660ICC750	AR1660ICC750	07/23/2025	11:50	PO112415.D	8.69	3.67
AR1660ICC500	AR1660ICC500	07/23/2025	12:08	PO112416.D	8.69	3.67
AR1660ICC250	AR1660ICC250	07/23/2025	12:27	PO112417.D	8.69	3.67
AR1660ICC050	AR1660ICC050	07/23/2025	12:45	PO112418.D	8.69	3.67
AR1221ICC500	AR1221ICC500	07/23/2025	13:03	PO112419.D	8.69	3.67
AR1232ICC500	AR1232ICC500	07/23/2025	13:22	PO112420.D	8.69	3.67
AR1242ICC1000	AR1242ICC1000	07/23/2025	13:40	PO112421.D	8.69	3.67
AR1242ICC750	AR1242ICC750	07/23/2025	13:59	PO112422.D	8.69	3.67
AR1242ICC500	AR1242ICC500	07/23/2025	14:17	PO112423.D	8.69	3.67
AR1242ICC250	AR1242ICC250	07/23/2025	14:36	PO112424.D	8.69	3.67
AR1242ICC050	AR1242ICC050	07/23/2025	14:54	PO112425.D	8.70	3.67
AR1248ICC1000	AR1248ICC1000	07/23/2025	15:13	PO112426.D	8.69	3.67
AR1248ICC750	AR1248ICC750	07/23/2025	15:31	PO112427.D	8.69	3.67
AR1248ICC500	AR1248ICC500	07/23/2025	15:48	PO112428.D	8.69	3.67
AR1248ICC250	AR1248ICC250	07/23/2025	16:07	PO112429.D	8.70	3.67
AR1248ICC050	AR1248ICC050	07/23/2025	16:25	PO112430.D	8.69	3.67
AR1254ICC1000	AR1254ICC1000	07/23/2025	16:44	PO112431.D	8.69	3.67
AR1254ICC750	AR1254ICC750	07/23/2025	17:02	PO112432.D	8.69	3.67
AR1254ICC500	AR1254ICC500	07/23/2025	17:21	PO112433.D	8.70	3.67
AR1254ICC250	AR1254ICC250	07/23/2025	17:39	PO112434.D	8.69	3.67
AR1254ICC050	AR1254ICC050	07/23/2025	17:57	PO112435.D	8.69	3.67
AR1262ICC500	AR1262ICC500	07/23/2025	18:16	PO112436.D	8.70	3.67
AR1268ICC1000	AR1268ICC1000	07/23/2025	18:34	PO112437.D	8.70	3.67
AR1268ICC750	AR1268ICC750	07/23/2025	18:53	PO112438.D	8.70	3.67
AR1268ICC500	AR1268ICC500	07/23/2025	19:11	PO112439.D	8.70	3.67
AR1268ICC250	AR1268ICC250	07/23/2025	19:28	PO112440.D	8.69	3.67
AR1268ICC050	AR1268ICC050	07/23/2025	19:47	PO112441.D	8.70	3.67
AR1660CCC500	AR1660CCC500	08/13/2025	08:59	PO112896.D	8.69	3.67
I.BLK	I.BLK	08/13/2025	10:10	PO112900.D	8.69	3.67
TG-S04	Q2832-07	08/13/2025	12:39	PO112903.D	8.69	3.66
TG-S05	Q2832-09	08/13/2025	12:58	PO112904.D	8.69	3.67
AR1660CCC500	AR1660CCC500	08/13/2025	15:57	PO112911.D	8.69	3.67
I.BLK	I.BLK	08/13/2025	17:07	PO112915.D	8.69	3.66
AR1660CCC500	AR1660CCC500	08/14/2025	08:33	PO112930.D	8.69	3.67
I.BLK	I.BLK	08/14/2025	09:46	PO112934.D	8.69	3.67
TG-S04DL	Q2832-07DL	08/14/2025	10:42	PO112937.D	8.69	3.67
AR1660CCC500	AR1660CCC500	08/14/2025	15:27	PO112945.D	8.69	3.67
I.BLK	I.BLK	08/14/2025	16:37	PO112949.D	8.68	3.67
I.BLK	I.BLK	08/01/2025	11:49	PP074167.D	10.44	4.66
AR1660ICC1000	AR1660ICC1000	08/01/2025	12:05	PP074168.D	10.44	4.66

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Analytical Sequence

AR1660ICC750	AR1660ICC750	08/01/2025	12:22	PP074169.D	10.44	4.66
AR1660ICC500	AR1660ICC500	08/01/2025	12:38	PP074170.D	10.44	4.66
AR1660ICC250	AR1660ICC250	08/01/2025	12:54	PP074171.D	10.44	4.66
AR1660ICC050	AR1660ICC050	08/01/2025	13:42	PP074172.D	10.44	4.66
AR1221ICC500	AR1221ICC500	08/01/2025	13:58	PP074173.D	10.44	4.66
AR1232ICC500	AR1232ICC500	08/01/2025	14:15	PP074174.D	10.44	4.66
AR1242ICC1000	AR1242ICC1000	08/01/2025	14:31	PP074175.D	10.44	4.66
AR1242ICC750	AR1242ICC750	08/01/2025	14:47	PP074176.D	10.44	4.66
AR1242ICC500	AR1242ICC500	08/01/2025	15:03	PP074177.D	10.43	4.66
AR1242ICC250	AR1242ICC250	08/01/2025	15:19	PP074178.D	10.44	4.66
AR1242ICC050	AR1242ICC050	08/01/2025	15:36	PP074179.D	10.43	4.66
AR1248ICC500	AR1248ICC500	08/01/2025	16:57	PP074182.D	10.43	4.66
AR1254ICC1000	AR1254ICC1000	08/01/2025	18:02	PP074185.D	10.43	4.66
AR1254ICC750	AR1254ICC750	08/01/2025	18:18	PP074186.D	10.43	4.66
AR1254ICC500	AR1254ICC500	08/01/2025	18:34	PP074187.D	10.43	4.66
AR1254ICC250	AR1254ICC250	08/01/2025	18:50	PP074188.D	10.43	4.66
AR1254ICC050	AR1254ICC050	08/01/2025	19:23	PP074189.D	10.43	4.66
AR1262ICC500	AR1262ICC500	08/01/2025	19:39	PP074190.D	10.43	4.66
AR1268ICC500	AR1268ICC500	08/01/2025	20:28	PP074193.D	10.43	4.66
AR1660CCC500	AR1660CCC500	08/13/2025	09:04	PP074334.D	10.44	4.66
I.BLK	I.BLK	08/13/2025	10:07	PP074337.D	10.44	4.66
PB169227BS	PB169227BS	08/13/2025	12:55	PP074340.D	10.44	4.66
TG-S01	Q2832-01	08/13/2025	13:27	PP074342.D	10.44	4.66
TG-S02	Q2832-03	08/13/2025	13:44	PP074343.D	10.44	4.66
TG-S02MS	Q2832-03MS	08/13/2025	14:00	PP074344.D	10.44	4.66
TG-S02MSD	Q2832-03MSD	08/13/2025	14:16	PP074345.D	10.45	4.66
TG-S03	Q2832-05	08/13/2025	14:32	PP074346.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/13/2025	15:54	PP074348.D	10.44	4.66
I.BLK	I.BLK	08/13/2025	16:42	PP074351.D	10.45	4.66
AR1660CCC500	AR1660CCC500	08/13/2025	20:30	PP074362.D	10.44	4.66
I.BLK	I.BLK	08/13/2025	21:52	PP074365.D	10.44	4.66
PB169227BL	PB169227BL	08/13/2025	22:08	PP074366.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/13/2025	23:30	PP074368.D	10.44	4.66
I.BLK	I.BLK	08/14/2025	00:51	PP074371.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/14/2025	08:27	PP074373.D	10.44	4.66
I.BLK	I.BLK	08/14/2025	09:17	PP074376.D	10.44	4.66
TG-S02DL	Q2832-03DL	08/14/2025	10:38	PP074381.D	10.44	4.66
TG-S03DL	Q2832-05DL	08/14/2025	10:55	PP074382.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/14/2025	14:22	PP074387.D	10.44	4.66
I.BLK	I.BLK	08/14/2025	15:11	PP074390.D	10.44	4.66

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q2832

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/23/2025 07/23/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/23/2025	11:14	PO112413.D	8.64	3.66
AR1660ICC1000	AR1660ICC1000	07/23/2025	11:32	PO112414.D	8.64	3.66
AR1660ICC750	AR1660ICC750	07/23/2025	11:50	PO112415.D	8.64	3.66
AR1660ICC500	AR1660ICC500	07/23/2025	12:08	PO112416.D	8.64	3.66
AR1660ICC250	AR1660ICC250	07/23/2025	12:27	PO112417.D	8.64	3.66
AR1660ICC050	AR1660ICC050	07/23/2025	12:45	PO112418.D	8.64	3.66
AR1221ICC500	AR1221ICC500	07/23/2025	13:03	PO112419.D	8.64	3.66
AR1232ICC500	AR1232ICC500	07/23/2025	13:22	PO112420.D	8.64	3.66
AR1242ICC1000	AR1242ICC1000	07/23/2025	13:40	PO112421.D	8.64	3.66
AR1242ICC750	AR1242ICC750	07/23/2025	13:59	PO112422.D	8.64	3.66
AR1242ICC500	AR1242ICC500	07/23/2025	14:17	PO112423.D	8.64	3.66
AR1242ICC250	AR1242ICC250	07/23/2025	14:36	PO112424.D	8.64	3.66
AR1242ICC050	AR1242ICC050	07/23/2025	14:54	PO112425.D	8.64	3.66
AR1248ICC1000	AR1248ICC1000	07/23/2025	15:13	PO112426.D	8.64	3.66
AR1248ICC750	AR1248ICC750	07/23/2025	15:31	PO112427.D	8.64	3.66
AR1248ICC500	AR1248ICC500	07/23/2025	15:48	PO112428.D	8.64	3.66
AR1248ICC250	AR1248ICC250	07/23/2025	16:07	PO112429.D	8.64	3.66
AR1248ICC050	AR1248ICC050	07/23/2025	16:25	PO112430.D	8.64	3.66
AR1254ICC1000	AR1254ICC1000	07/23/2025	16:44	PO112431.D	8.64	3.66
AR1254ICC750	AR1254ICC750	07/23/2025	17:02	PO112432.D	8.64	3.66
AR1254ICC500	AR1254ICC500	07/23/2025	17:21	PO112433.D	8.64	3.66
AR1254ICC250	AR1254ICC250	07/23/2025	17:39	PO112434.D	8.64	3.66
AR1254ICC050	AR1254ICC050	07/23/2025	17:57	PO112435.D	8.64	3.66
AR1262ICC500	AR1262ICC500	07/23/2025	18:16	PO112436.D	8.64	3.66
AR1268ICC1000	AR1268ICC1000	07/23/2025	18:34	PO112437.D	8.64	3.66
AR1268ICC750	AR1268ICC750	07/23/2025	18:53	PO112438.D	8.64	3.66
AR1268ICC500	AR1268ICC500	07/23/2025	19:11	PO112439.D	8.64	3.66
AR1268ICC250	AR1268ICC250	07/23/2025	19:28	PO112440.D	8.64	3.66
AR1268ICC050	AR1268ICC050	07/23/2025	19:47	PO112441.D	8.64	3.66
AR1660CCC500	AR1660CCC500	08/13/2025	08:59	PO112896.D	8.63	3.66
I.BLK	I.BLK	08/13/2025	10:10	PO112900.D	8.63	3.66
TG-S04	Q2832-07	08/13/2025	12:39	PO112903.D	8.63	3.66
TG-S05	Q2832-09	08/13/2025	12:58	PO112904.D	8.63	3.66
AR1660CCC500	AR1660CCC500	08/13/2025	15:57	PO112911.D	8.63	3.66
I.BLK	I.BLK	08/13/2025	17:07	PO112915.D	8.63	3.66
AR1660CCC500	AR1660CCC500	08/14/2025	08:33	PO112930.D	8.63	3.66
I.BLK	I.BLK	08/14/2025	09:46	PO112934.D	8.63	3.66
TG-S04DL	Q2832-07DL	08/14/2025	10:42	PO112937.D	8.63	3.66
AR1660CCC500	AR1660CCC500	08/14/2025	15:27	PO112945.D	8.63	3.66
I.BLK	I.BLK	08/14/2025	16:37	PO112949.D	8.63	3.66
I.BLK	I.BLK	08/01/2025	11:49	PP074167.D	8.83	3.80
AR1660ICC1000	AR1660ICC1000	08/01/2025	12:05	PP074168.D	8.83	3.81

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Analytical Sequence

AR1660ICC750	AR1660ICC750	08/01/2025	12:22	PP074169.D	8.83	3.80
AR1660ICC500	AR1660ICC500	08/01/2025	12:38	PP074170.D	8.83	3.81
AR1660ICC250	AR1660ICC250	08/01/2025	12:54	PP074171.D	8.83	3.81
AR1660ICC050	AR1660ICC050	08/01/2025	13:42	PP074172.D	8.83	3.80
AR1221ICC500	AR1221ICC500	08/01/2025	13:58	PP074173.D	8.83	3.80
AR1232ICC500	AR1232ICC500	08/01/2025	14:15	PP074174.D	8.83	3.80
AR1242ICC1000	AR1242ICC1000	08/01/2025	14:31	PP074175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	08/01/2025	14:47	PP074176.D	8.82	3.80
AR1242ICC500	AR1242ICC500	08/01/2025	15:03	PP074177.D	8.83	3.81
AR1242ICC250	AR1242ICC250	08/01/2025	15:19	PP074178.D	8.82	3.81
AR1242ICC050	AR1242ICC050	08/01/2025	15:36	PP074179.D	8.82	3.80
AR1248ICC500	AR1248ICC500	08/01/2025	16:57	PP074182.D	8.82	3.81
AR1254ICC1000	AR1254ICC1000	08/01/2025	18:02	PP074185.D	8.82	3.81
AR1254ICC750	AR1254ICC750	08/01/2025	18:18	PP074186.D	8.82	3.80
AR1254ICC500	AR1254ICC500	08/01/2025	18:34	PP074187.D	8.82	3.80
AR1254ICC250	AR1254ICC250	08/01/2025	18:50	PP074188.D	8.82	3.80
AR1254ICC050	AR1254ICC050	08/01/2025	19:23	PP074189.D	8.82	3.80
AR1262ICC500	AR1262ICC500	08/01/2025	19:39	PP074190.D	8.82	3.80
AR1268ICC500	AR1268ICC500	08/01/2025	20:28	PP074193.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/13/2025	09:04	PP074334.D	8.82	3.80
I.BLK	I.BLK	08/13/2025	10:07	PP074337.D	8.82	3.80
PB169227BS	PB169227BS	08/13/2025	12:55	PP074340.D	8.82	3.80
TG-S01	Q2832-01	08/13/2025	13:27	PP074342.D	8.82	3.80
TG-S02	Q2832-03	08/13/2025	13:44	PP074343.D	8.82	3.80
TG-S02MS	Q2832-03MS	08/13/2025	14:00	PP074344.D	8.82	3.80
TG-S02MSD	Q2832-03MSD	08/13/2025	14:16	PP074345.D	8.83	3.80
TG-S03	Q2832-05	08/13/2025	14:32	PP074346.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/13/2025	15:54	PP074348.D	8.82	3.80
I.BLK	I.BLK	08/13/2025	16:42	PP074351.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/13/2025	20:30	PP074362.D	8.82	3.80
I.BLK	I.BLK	08/13/2025	21:52	PP074365.D	8.82	3.80
PB169227BL	PB169227BL	08/13/2025	22:08	PP074366.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/13/2025	23:30	PP074368.D	8.82	3.80
I.BLK	I.BLK	08/14/2025	00:51	PP074371.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/14/2025	08:27	PP074373.D	8.82	3.80
I.BLK	I.BLK	08/14/2025	09:17	PP074376.D	8.82	3.80
TG-S02DL	Q2832-03DL	08/14/2025	10:38	PP074381.D	8.82	3.80
TG-S03DL	Q2832-05DL	08/14/2025	10:55	PP074382.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/14/2025	14:22	PP074387.D	8.82	3.80
I.BLK	I.BLK	08/14/2025	15:11	PP074390.D	8.82	3.80

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S04

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-07 Date(s) Analyzed: 08/13/2025 08/13/2025

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

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

Data file PO112903.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	6.237	6.187	6.287	373		
	2	6.427	6.377	6.477	345		
	3	6.793	6.743	6.843	355		
COLUMN 1	4	7.052	7.002	7.102	373		
	5	7.296	7.246	7.346	458	381	
	1	6.206	6.156	6.256	402		
	2	6.394	6.344	6.444	363		
	3	6.545	6.495	6.595	340		
	4	7.015	6.965	7.065	394		
COLUMN 2	5	7.258	7.208	7.308	506	401	5.12

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S04DL

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-07DL Date(s) Analyzed: 08/14/2025 08/14/2025

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

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

Data file PO112937.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	6.24	6.19	6.29	454		
	2	6.429	6.379	6.479	342		
	3	6.795	6.745	6.845	342		
COLUMN 1	4	7.054	7.004	7.104	363		
	5	7.297	7.247	7.347	442	389	
	1	6.208	6.158	6.258	458		
	2	6.396	6.346	6.446	344		
	3	6.547	6.497	6.597	350		
	4	7.017	6.967	7.067	397		
COLUMN 2	5	7.259	7.209	7.309	488	407	4.52

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB169227BS

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: PB169227BS Date(s) Analyzed: 08/13/2025 08/13/2025

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 PP074340.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.813	5.763	5.863	193		
	2	5.834	5.784	5.884	194		
	3	5.898	5.848	5.948	194		
COLUMN 1	4	5.995	5.945	6.045	195		
	5	6.287	6.237	6.337	188	193	
	1	4.904	4.854	4.954	198		
	2	4.962	4.912	5.012	194		
	3	5.081	5.031	5.131	197		
	4	5.122	5.072	5.172	192		
COLUMN 2	5	5.336	5.286	5.386	196	195	1.03
Aroclor-1260	1	7.405	7.355	7.455	190		
	2	7.658	7.608	7.708	182		
	3	8.016	7.966	8.066	158		
COLUMN 1	4	8.243	8.193	8.293	177		
	5	8.57	8.52	8.62	158	173	
	1	6.554	6.504	6.604	199		
	2	6.708	6.658	6.758	203		
	3	6.918	6.868	6.968	179		
	4	7.178	7.128	7.228	182		
COLUMN 2	5	7.418	7.368	7.468	181	189	8.84

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S01

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-01 Date(s) Analyzed: 08/13/2025 08/13/2025

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 PP074342.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	7.403	7.353	7.453	49.0		
	2	7.655	7.605	7.705	40.4		
	3	8.013	7.963	8.063	35.5		
COLUMN 1	4	8.238	8.188	8.288	50.4		
	5	8.567	8.517	8.617	34.5	41.9	
	1	6.55	6.5	6.6	24.4		
	2	6.705	6.655	6.755	26.8		
	3	6.914	6.864	6.964	22.7		
	4	7.176	7.126	7.226	21.5		
COLUMN 2	5	7.414	7.364	7.464	26.8	24.4	52.79

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S02

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-03 Date(s) Analyzed: 08/13/2025 08/13/2025

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 PP074343.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	7.404	7.354	7.454	284		
	2	7.657	7.607	7.707	315		
	3	8.015	7.965	8.065	284		
COLUMN 1	4	8.243	8.193	8.293	408		
	5	8.57	8.52	8.62	333	325	
	1	6.554	6.504	6.604	314		
	2	6.709	6.659	6.759	303		
	3	6.917	6.867	6.967	372		
	4	7.18	7.13	7.23	407		
COLUMN 2	5	7.418	7.368	7.468	430	365	11.59

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S02MS

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-03MS Date(s) Analyzed: 08/13/2025 08/13/2025

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 PP074344.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.809	5.759	5.859	212		
	2	5.831	5.781	5.881	207		
	3	5.894	5.844	5.944	225		
COLUMN 1	4	5.991	5.941	6.041	236		
	5	6.284	6.234	6.334	236	223	
	1	4.901	4.851	4.951	202		
	2	4.958	4.908	5.008	207		
	3	5.079	5.029	5.129	200		
	4	5.12	5.07	5.17	211		
COLUMN 2	5	5.335	5.285	5.385	209	206	7.93
Aroclor-1260	1	7.402	7.352	7.452	492		
	2	7.654	7.604	7.704	491		
	3	8.012	7.962	8.062	463		
COLUMN 1	4	8.239	8.189	8.289	638		
	5	8.566	8.516	8.616	512	519	
	1	6.551	6.501	6.601	622		
	2	6.706	6.656	6.756	520		
	3	6.914	6.864	6.964	628		
	4	7.176	7.126	7.226	696		
COLUMN 2	5	7.415	7.365	7.465	711	635	20.1

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S02MSD

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-03MSD Date(s) Analyzed: 08/13/2025 08/13/2025

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 PP074345.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.813	5.763	5.863	209		
	2	5.835	5.785	5.885	206		
	3	5.898	5.848	5.948	223		
COLUMN 1	4	5.995	5.945	6.045	234		
	5	6.287	6.237	6.337	231	221	
	1	4.905	4.855	4.955	193		
	2	4.962	4.912	5.012	202		
	3	5.083	5.033	5.133	199		
	4	5.124	5.074	5.174	206		
COLUMN 2	5	5.339	5.289	5.389	211	202	8.98
Aroclor-1260	1	7.406	7.356	7.456	487		
	2	7.658	7.608	7.708	483		
	3	8.016	7.966	8.066	456		
COLUMN 1	4	8.243	8.193	8.293	596		
	5	8.571	8.521	8.621	504	505	
	1	6.555	6.505	6.605	607		
	2	6.71	6.66	6.76	513		
	3	6.918	6.868	6.968	613		
	4	7.18	7.13	7.23	698		
COLUMN 2	5	7.419	7.369	7.469	702	627	21.55

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S03

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-05 Date(s) Analyzed: 08/13/2025 08/13/2025

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 PP074346.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	7.405	7.355	7.455	442		
	2	7.658	7.608	7.708	459		
	3	8.016	7.966	8.066	442		
COLUMN 1	4	8.244	8.194	8.294	651		
	5	8.571	8.521	8.621	496	498	
	1	6.554	6.504	6.604	560		
	2	6.709	6.659	6.759	456		
	3	6.916	6.866	6.966	575		
	4	7.179	7.129	7.229	633		
COLUMN 2	5	7.417	7.367	7.467	668	578	14.87

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S02DL

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-03DL Date(s) Analyzed: 08/14/2025 08/14/2025

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 PP074381.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	7.4	7.35	7.45	309		
	2	7.653	7.603	7.703	343		
	3	8.011	7.961	8.061	315		
COLUMN 1	4	8.238	8.188	8.288	447		
	5	8.565	8.515	8.615	324	348	
	1	6.549	6.499	6.599	288		
	2	6.704	6.654	6.754	257		
	3	6.913	6.863	6.963	299		
	4	7.173	7.123	7.223	349		
COLUMN 2	5	7.413	7.363	7.463	351	309	11.87

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TG-S03DL

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab Sample ID: Q2832-05DL Date(s) Analyzed: 08/14/2025 08/14/2025

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 PP074382.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	7.404	7.354	7.454	480		
	2	7.656	7.606	7.706	498		
	3	8.015	7.965	8.065	471		
COLUMN 1	4	8.242	8.192	8.292	691		
	5	8.569	8.519	8.619	503	528	
	1	6.553	6.503	6.603	548		
	2	6.708	6.658	6.758	442		
	3	6.915	6.865	6.965	552		
	4	7.177	7.127	7.227	609		
COLUMN 2	5	7.417	7.367	7.467	613	553	4.63

QC SAMPLE DATA

Raw Data: **PP074366.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169227BL	SDG No.:	Q2832
Lab Sample ID:	PB169227BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074366.D	1	08/13/25 08:33	08/13/25 22:08	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		30 (32) - 150 (144)	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		30 (32) - 150 (175)	117%	SPK: 20

Comments:

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

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

Sample Results: **PP074366.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 22:08
Operator : YP\AJ
Sample : PB169227BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169227BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 00:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.659	3.802	27492656	85552415	24.584	22.312
2)	SA Decachlor...	10.437	8.819	22739425	132.7E6	23.415	22.068
	Target Compounds						

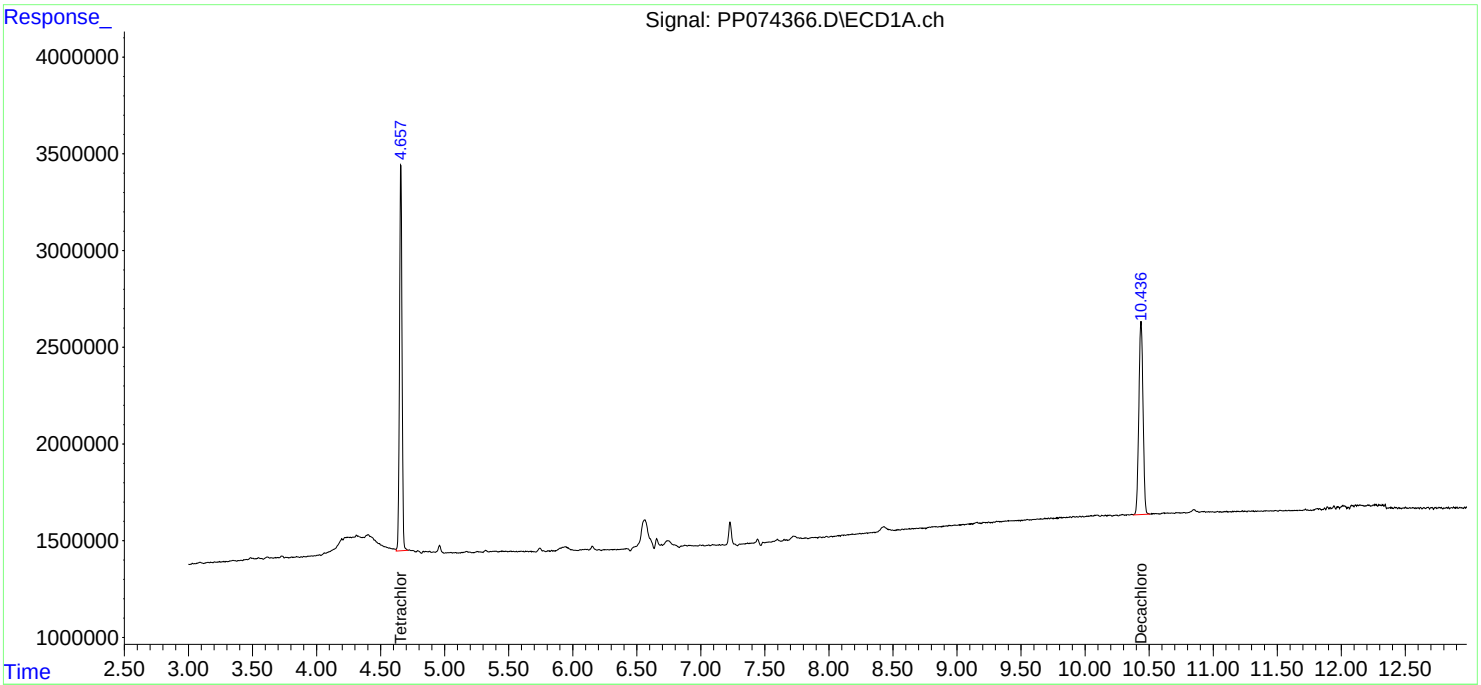
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

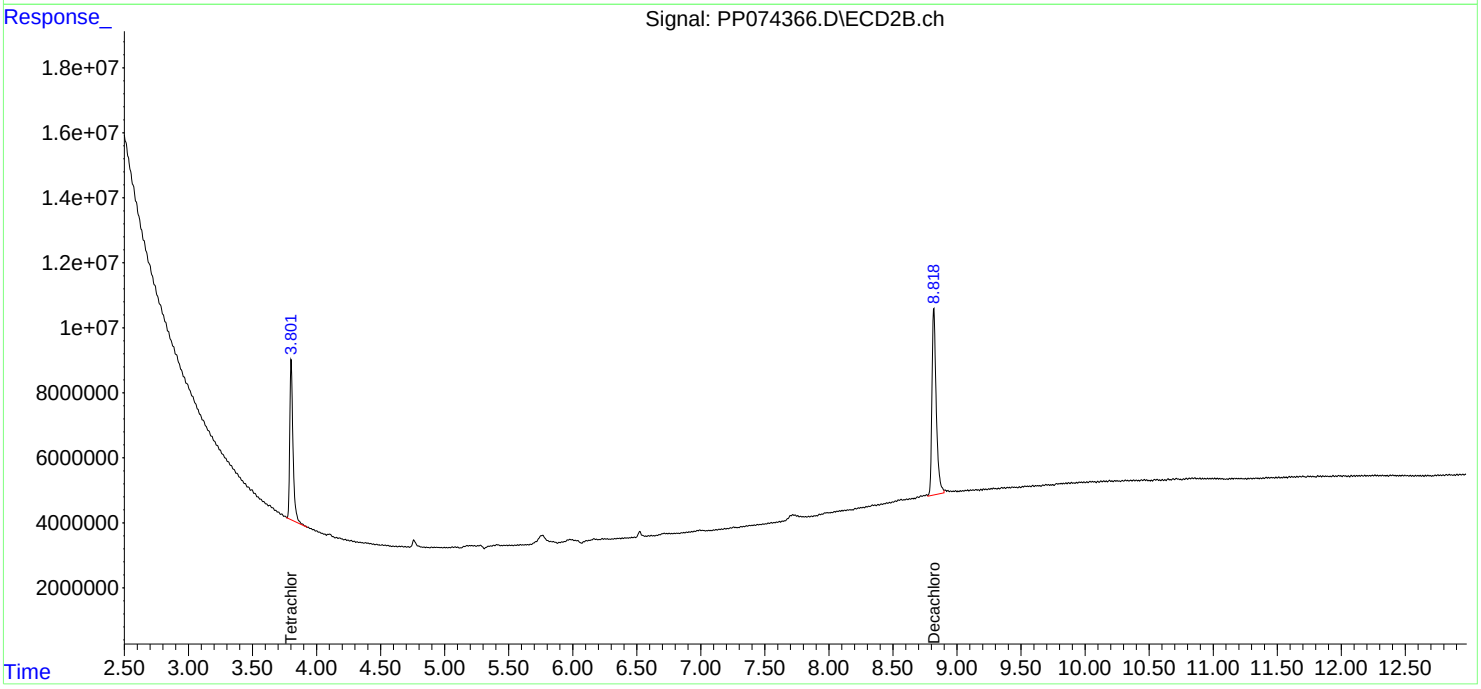
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 22:08
Operator : YP\AJ
Sample : PB169227BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

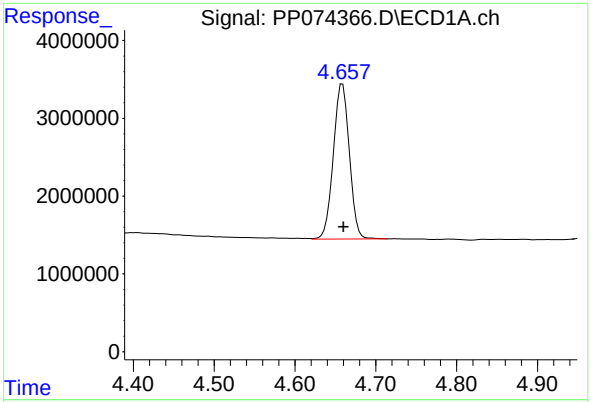
Instrument :
ECD_P
ClientSampleId :
PB169227BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 00:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



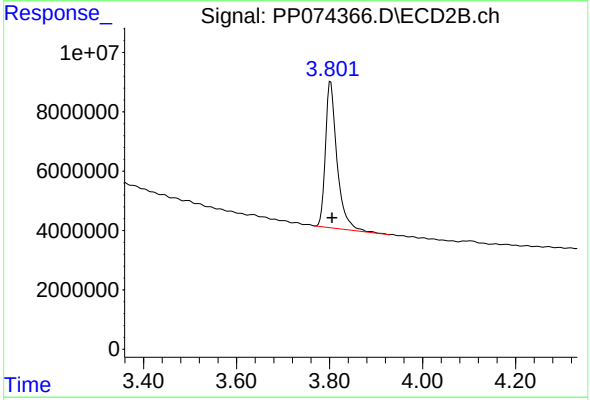




#1 Tetrachloro-m-xylene

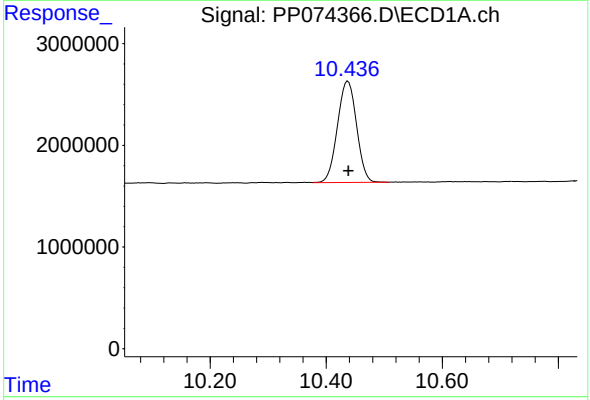
R.T.: 4.659 min
Delta R.T.: -0.001 min
Response: 27492656
Conc: 24.58 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB169227BL



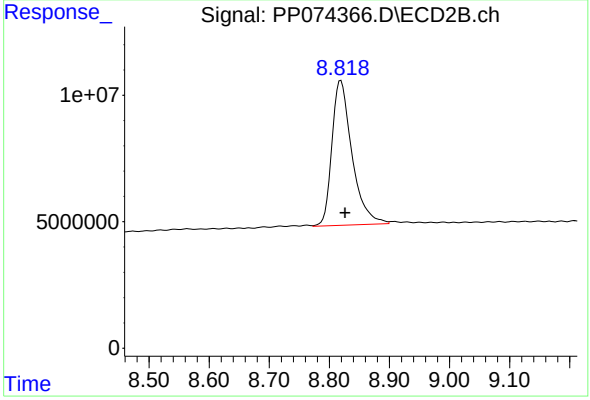
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.003 min
Response: 85552415
Conc: 22.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.000 min
Response: 22739425
Conc: 23.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.819 min
Delta R.T.: -0.007 min
Response: 132708737
Conc: 22.07 ng/ml

Raw Data: **PO112413.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	07/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	07/23/25
Client Sample ID:	PIBLK-PO112413.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PO112413.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112413.D	1		07/23/25	PO072325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		70 (60) - 130 (140)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		70 (60) - 130 (140)	100%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:14
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:03:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.670	3.662	155.1E6	97072114	19.073	19.535
2)	SA Decachlor...	8.694	8.640	146.0E6	36122645	19.970	20.442
	Target Compounds						

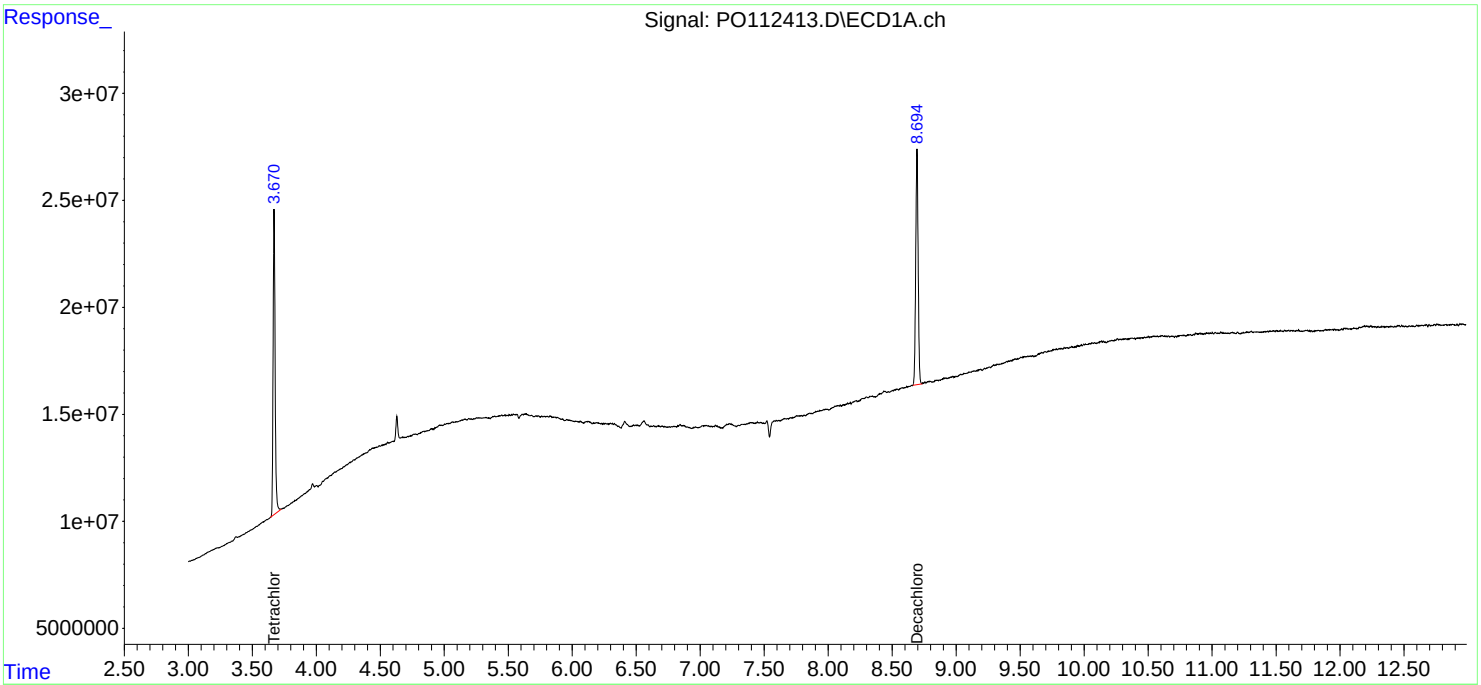
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

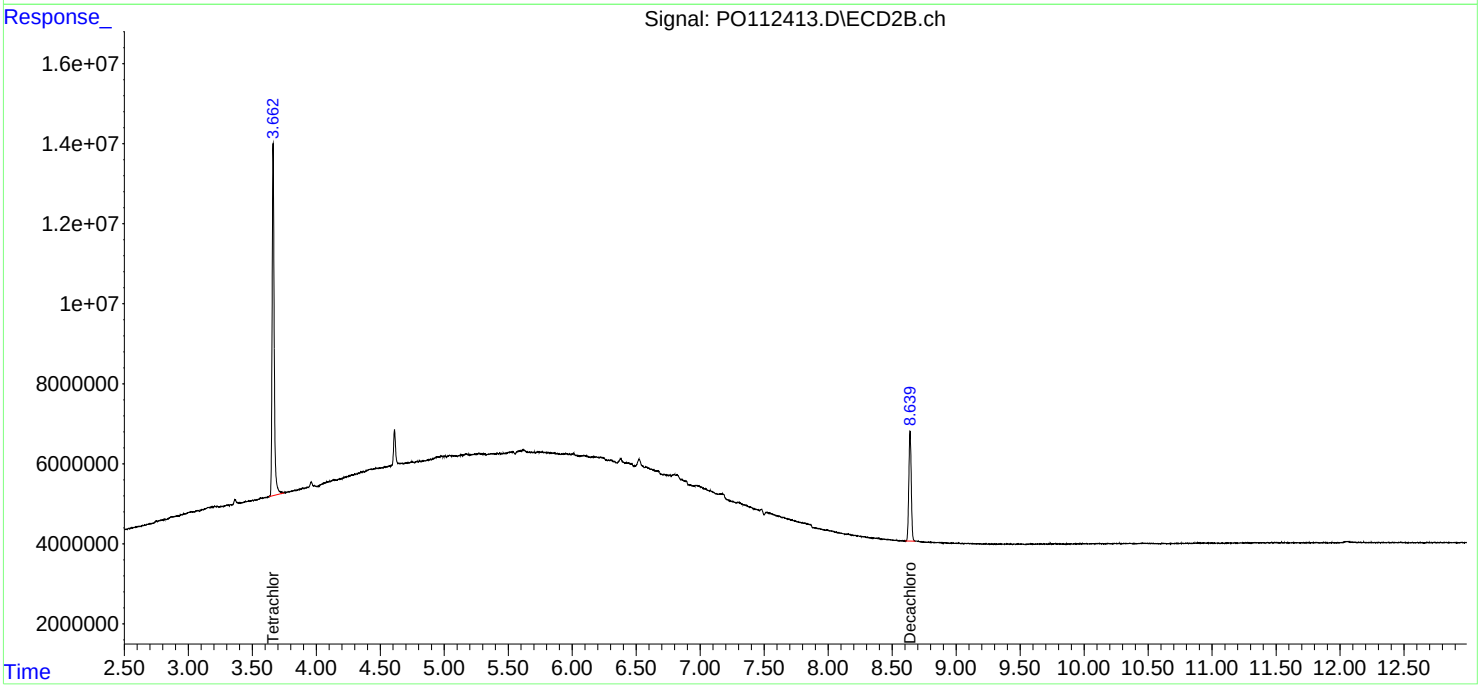
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072325\
Data File : PO112413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:14
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

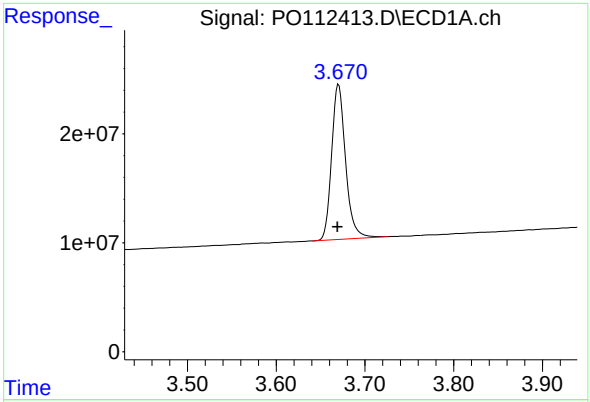
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 05:03:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



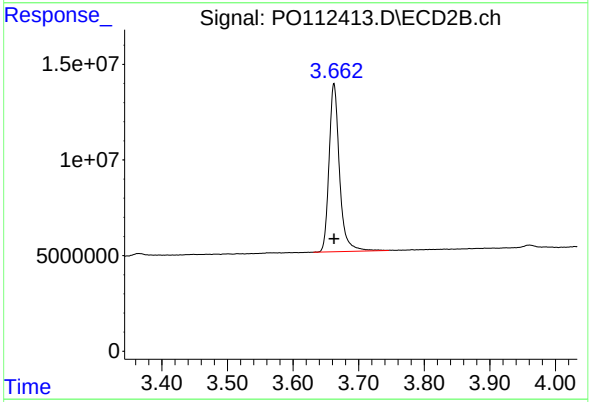




#1 Tetrachloro-m-xylene

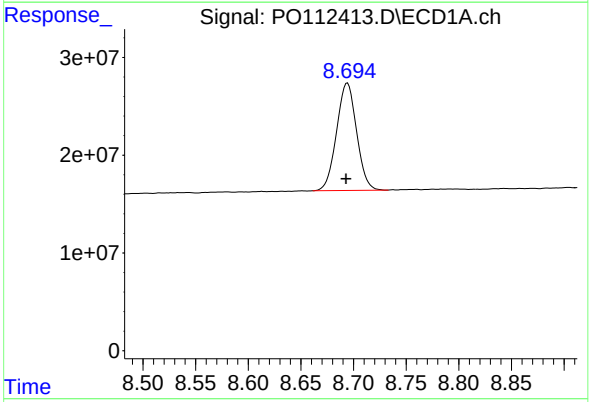
R.T.: 3.670 min
Delta R.T.: 0.001 min
Response: 155090113
Conc: 19.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



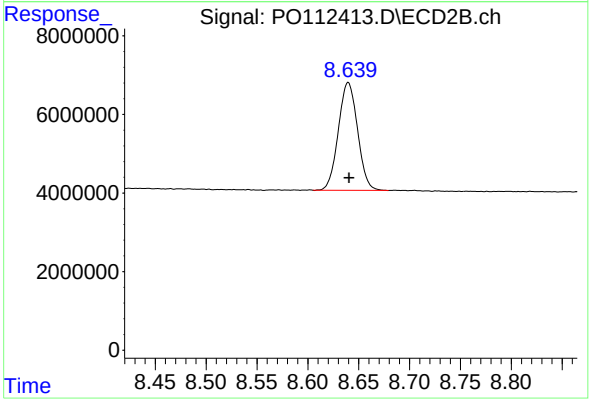
#1 Tetrachloro-m-xylene

R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 97072114
Conc: 19.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: 0.001 min
Response: 146014518
Conc: 19.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 36122645
Conc: 20.44 ng/ml

Raw Data: **PO112900.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/13/25
Client Sample ID:	PIBLK-PO112900.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PO112900.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112900.D	1		08/13/25	PO081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		70 (60) - 130 (140)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		70 (60) - 130 (140)	96%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 10:10
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 11:11:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.667	3.659	168.3E6	100.6E6	20.697	20.255
2)	SA Decachlor...	8.688	8.633	140.1E6	36420400	19.161	20.610
	Target Compounds						

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

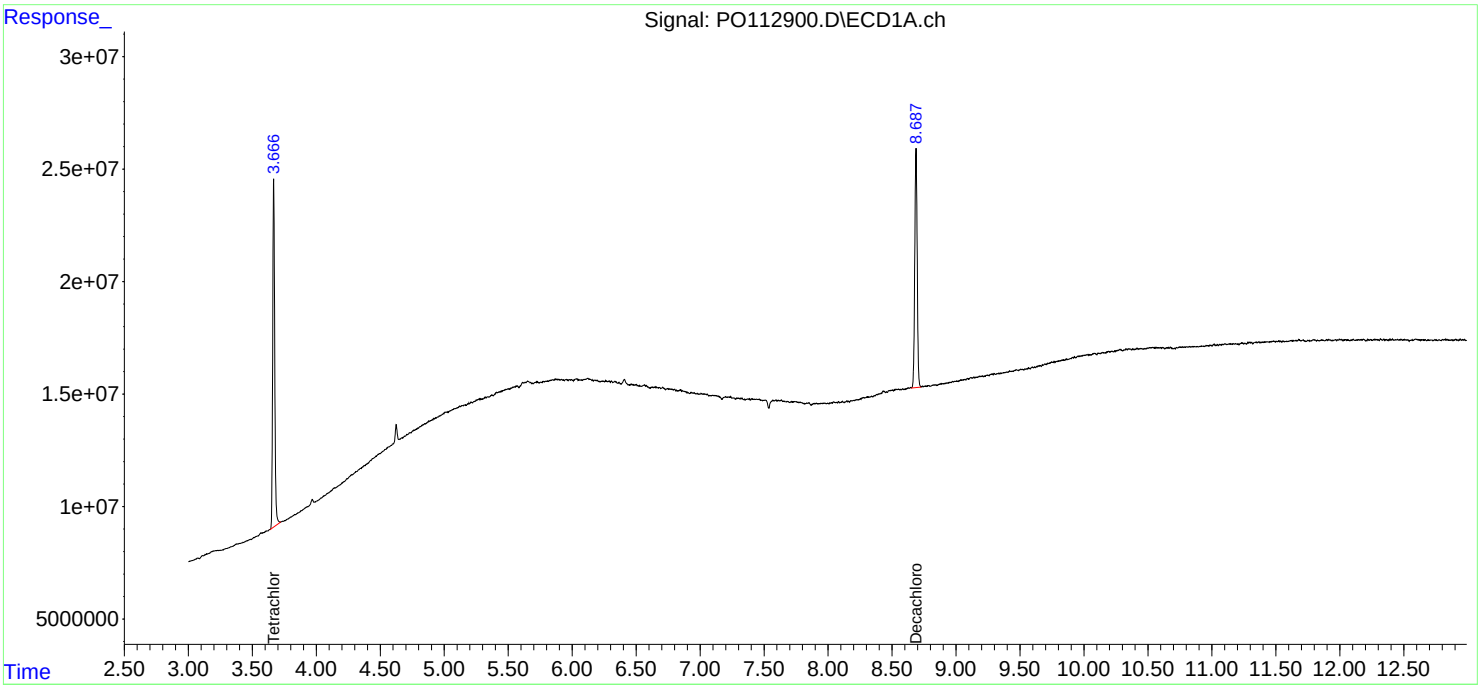
Sample Results: **PO112900.D**

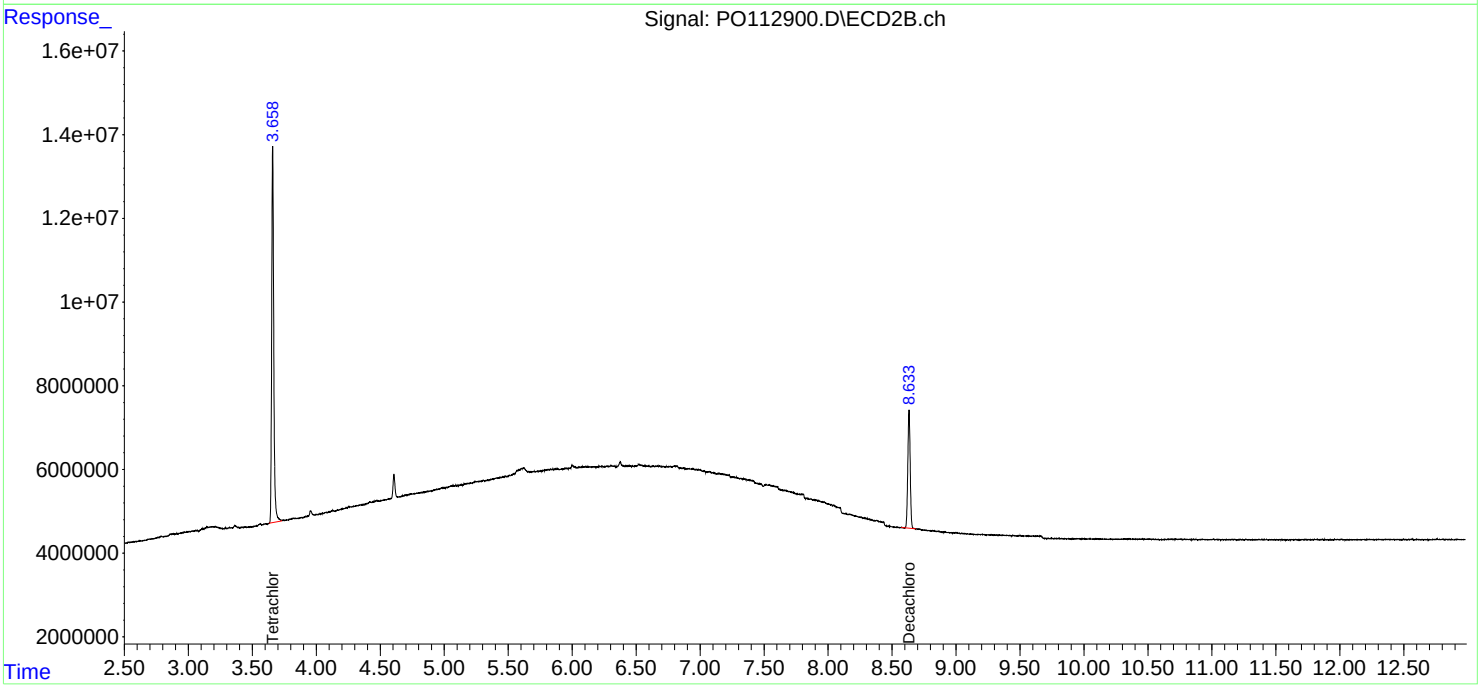
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 10:10
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

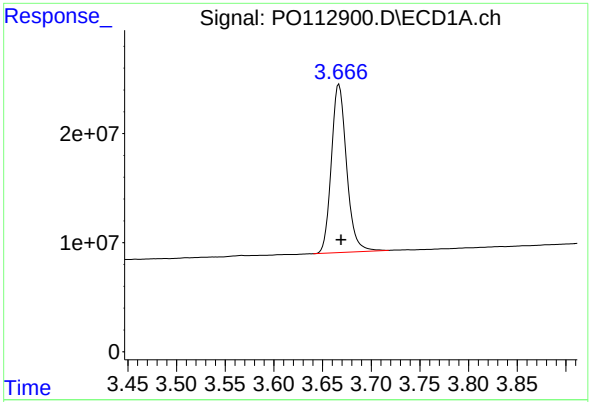
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 11:11:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



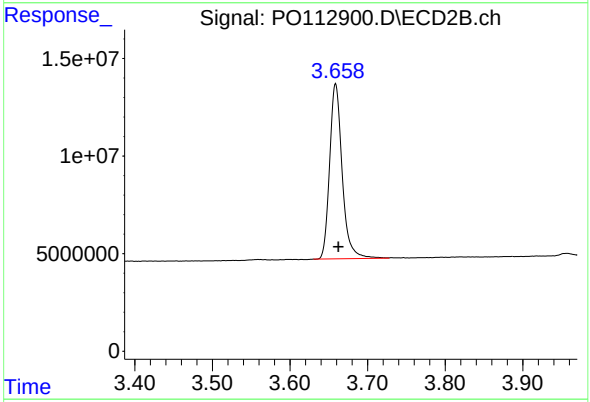




#1 Tetrachloro-m-xylene

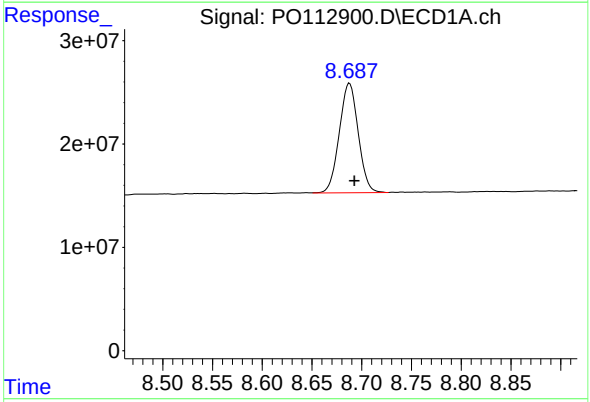
R.T.: 3.667 min
Delta R.T.: -0.002 min
Response: 168296967
Conc: 20.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



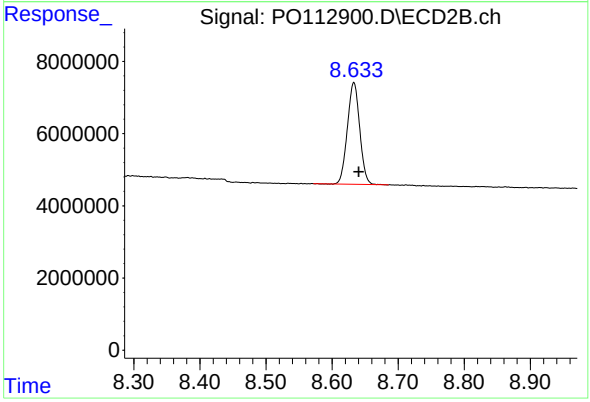
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 100649625
Conc: 20.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.688 min
Delta R.T.: -0.005 min
Response: 140099864
Conc: 19.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.008 min
Response: 36420400
Conc: 20.61 ng/ml

Raw Data: **PO112915.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/13/25
Client Sample ID:	PIBLK-PO112915.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PO112915.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112915.D	1		08/13/25	po081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		70 (60) - 130 (140)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		70 (60) - 130 (140)	96%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 17:07
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 05:07:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.664	3.658	162.0E6	96598278	19.927	19.439
2)	SA Decachlor...	8.685	8.632	140.4E6	37598882	19.200	21.277
	Target Compounds						

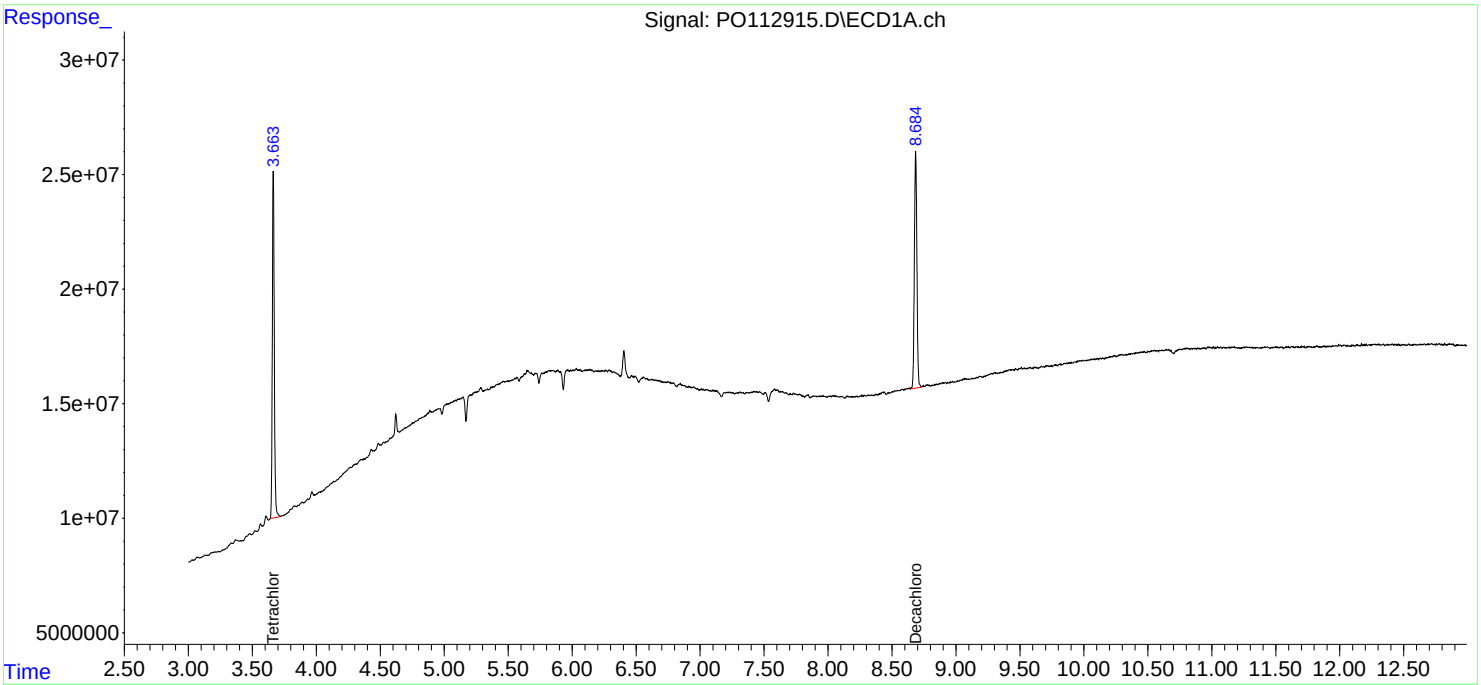
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

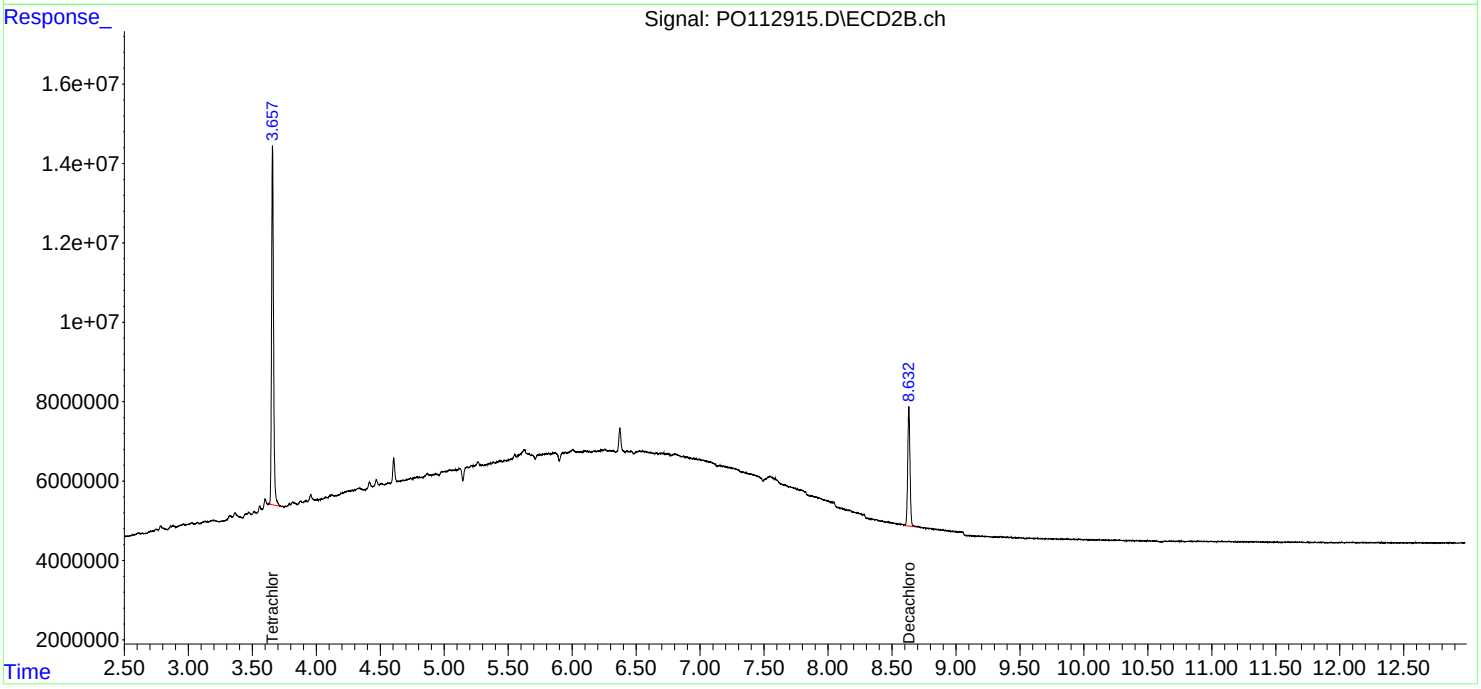
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081325\
Data File : PO112915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 17:07
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

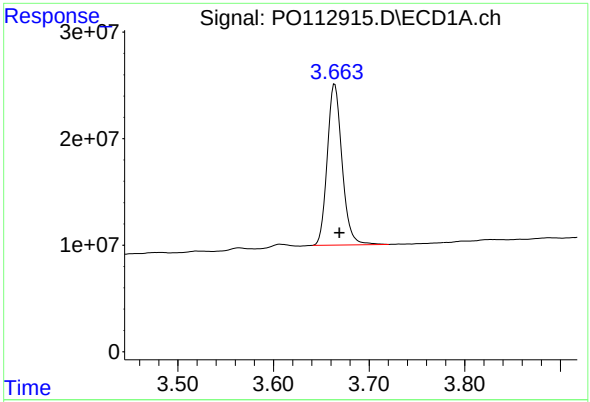
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 05:07:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



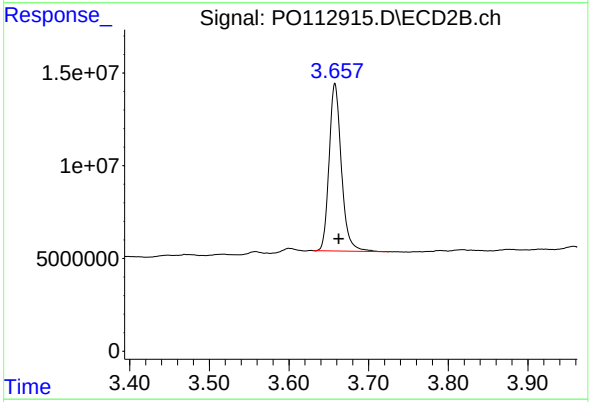




#1 Tetrachloro-m-xylene

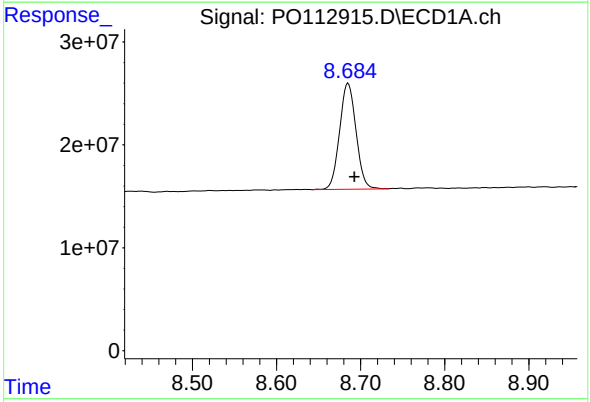
R.T.: 3.664 min
Delta R.T.: -0.005 min
Response: 162036561
Conc: 19.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



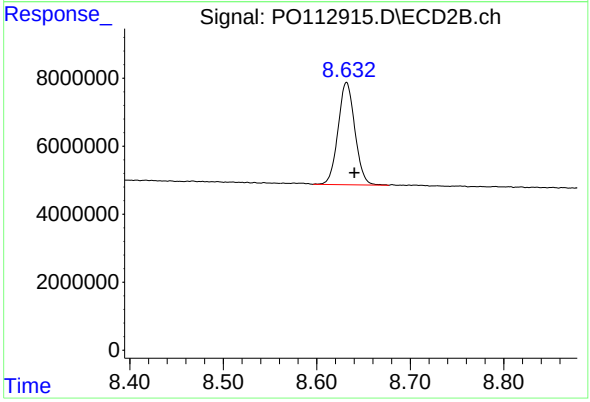
#1 Tetrachloro-m-xylene

R.T.: 3.658 min
Delta R.T.: -0.005 min
Response: 96598278
Conc: 19.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.685 min
Delta R.T.: -0.008 min
Response: 140387437
Conc: 19.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.632 min
Delta R.T.: -0.009 min
Response: 37598882
Conc: 21.28 ng/ml

Raw Data: **PO112934.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/14/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/14/25
Client Sample ID:	PIBLK-PO112934.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PO112934.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112934.D	1		08/14/25	PO081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		70 (60) - 130 (140)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		70 (60) - 130 (140)	98%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 09:46
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 10:45:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.666	3.659	167.6E6	98778759	20.611	19.878
2)	SA Decachlor...	8.687	8.633	144.0E6	37051529	19.690	20.967
	Target Compounds						

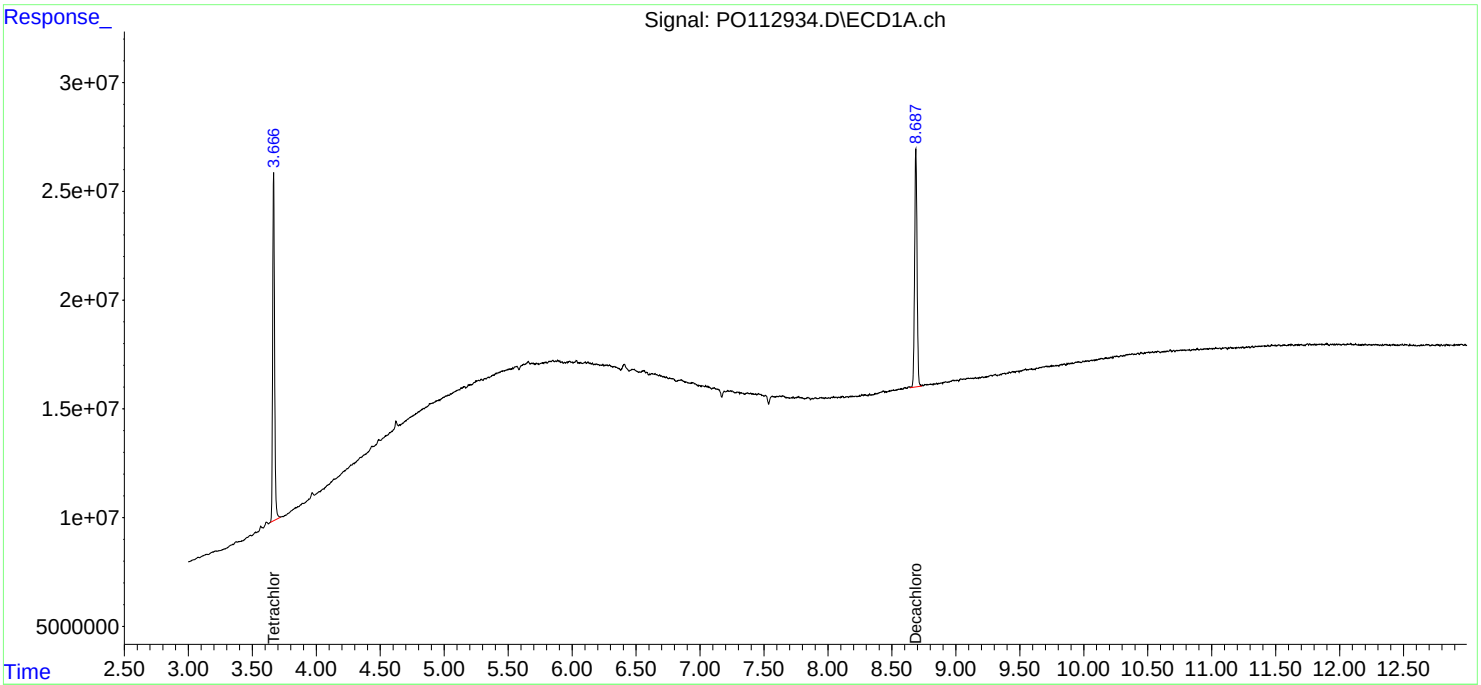
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

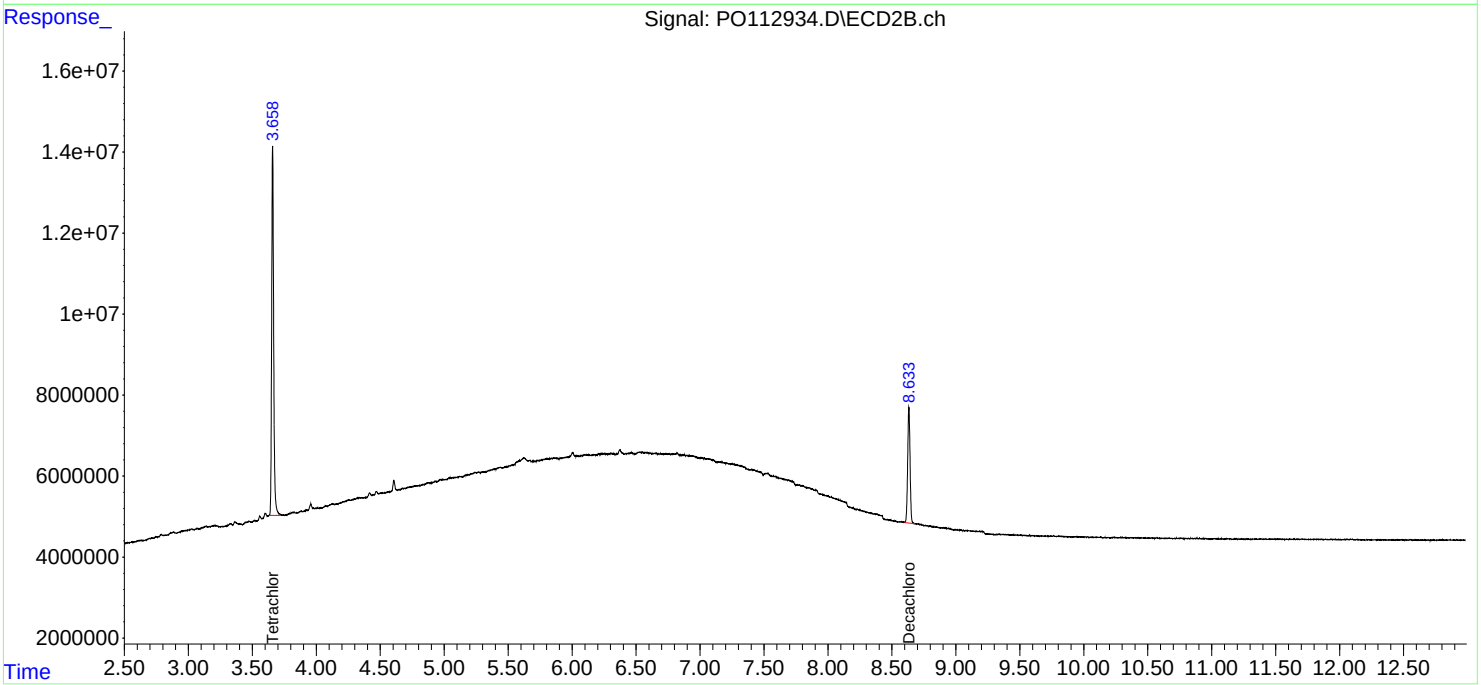
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 09:46
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

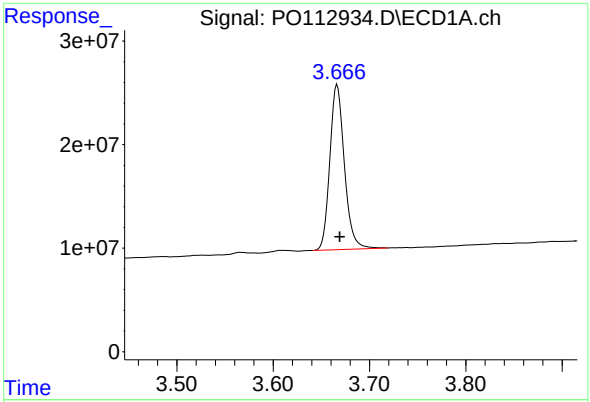
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 10:45:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



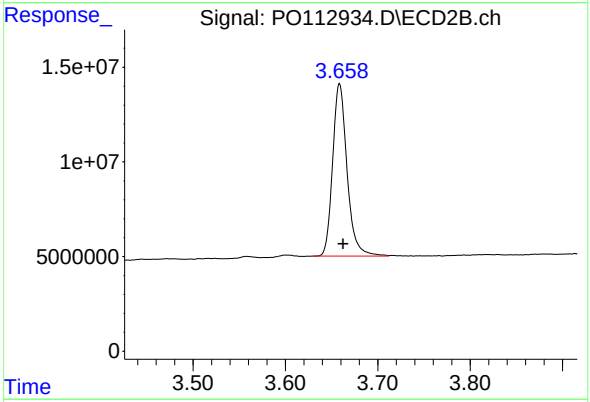




#1 Tetrachloro-m-xylene

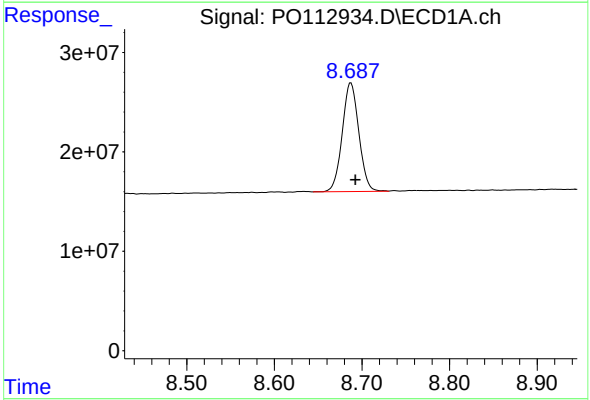
R.T.: 3.666 min
Delta R.T.: -0.003 min
Response: 167596018
Conc: 20.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



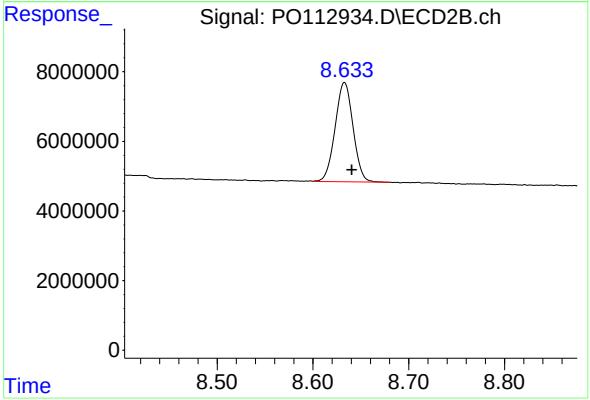
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 98778759
Conc: 19.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.687 min
Delta R.T.: -0.005 min
Response: 143971108
Conc: 19.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.007 min
Response: 37051529
Conc: 20.97 ng/ml

Raw Data: **PO112949.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/14/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/14/25
Client Sample ID:	PIBLK-PO112949.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PO112949.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112949.D	1		08/14/25	PO081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		70 (60) - 130 (140)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		70 (60) - 130 (140)	92%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 16:37
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 07:41:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.665	3.659	168.4E6	100.4E6	20.715	20.213
2)	SA Decachlor...	8.684	8.631	134.6E6	36627607	18.409	20.727
	Target Compounds						

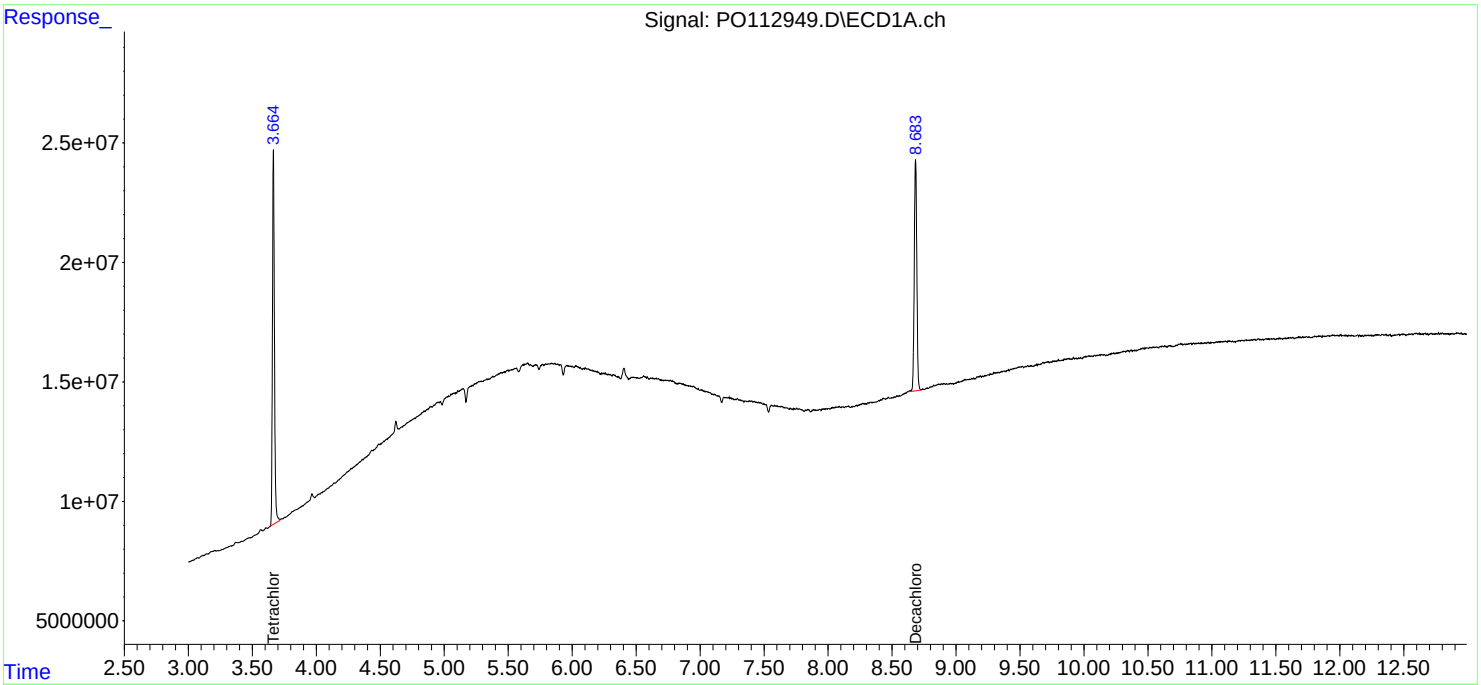
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

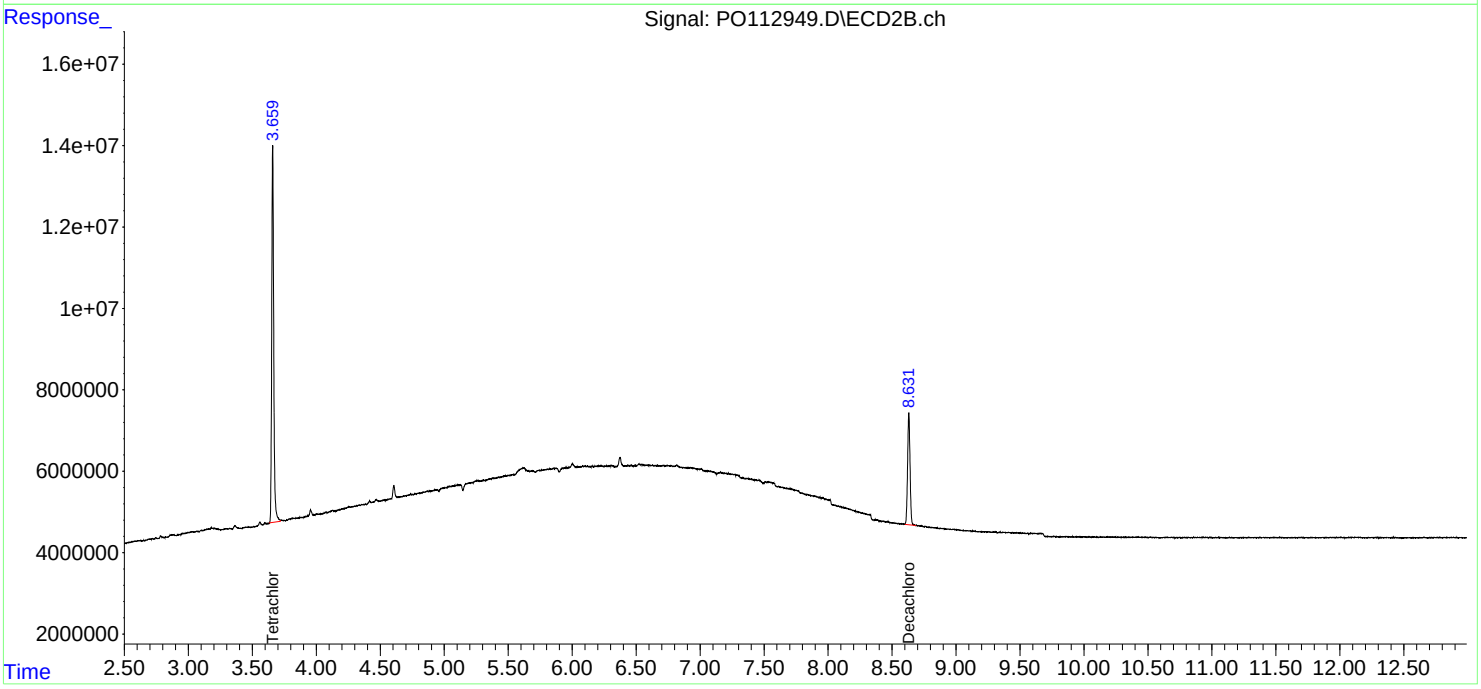
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081425\
Data File : PO112949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 16:37
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

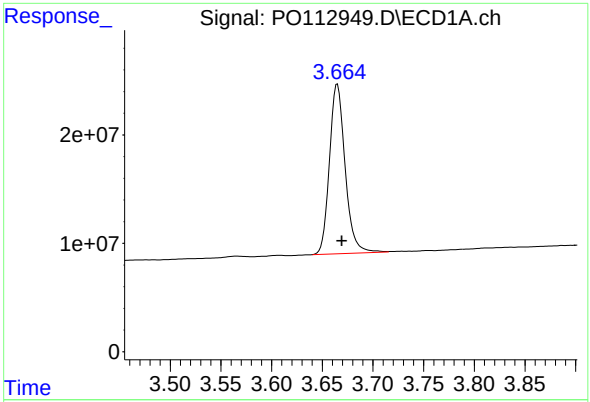
Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 07:41:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



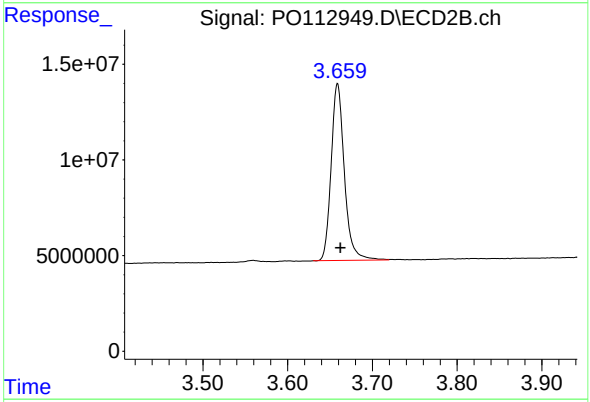




#1 Tetrachloro-m-xylene

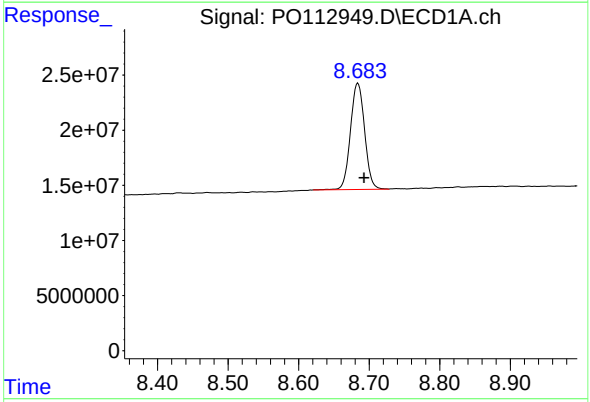
R.T.: 3.665 min
Delta R.T.: -0.004 min
Response: 168445406
Conc: 20.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



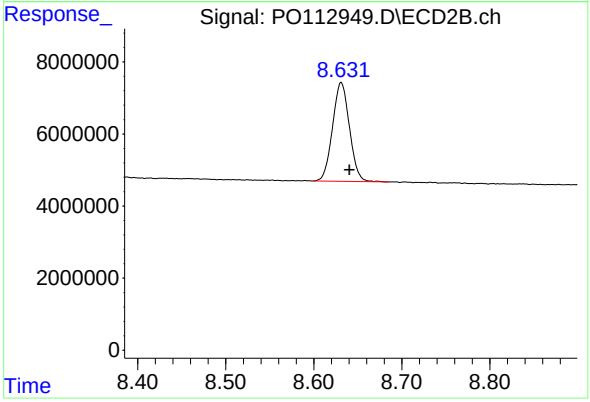
#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.003 min
Response: 100440364
Conc: 20.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.684 min
Delta R.T.: -0.009 min
Response: 134601469
Conc: 18.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.631 min
Delta R.T.: -0.009 min
Response: 36627607
Conc: 20.73 ng/ml

Raw Data: **PP074167.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/01/25
Client Sample ID:	PIBLK-PP074167.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PP074167.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074167.D	1		08/01/25	PP080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		70 (60) - 130 (140)	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		70 (60) - 130 (140)	93%	SPK: 20

Comments:

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

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

Sample Results: **PP074167.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 11:49
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: Aug 02 01:35:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:33:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.658	3.803	21300659	66146859	19.047	17.251
2)	SA Decachlor...	10.435	8.825	19096192	112.2E6	19.663	18.655
	Target Compounds						

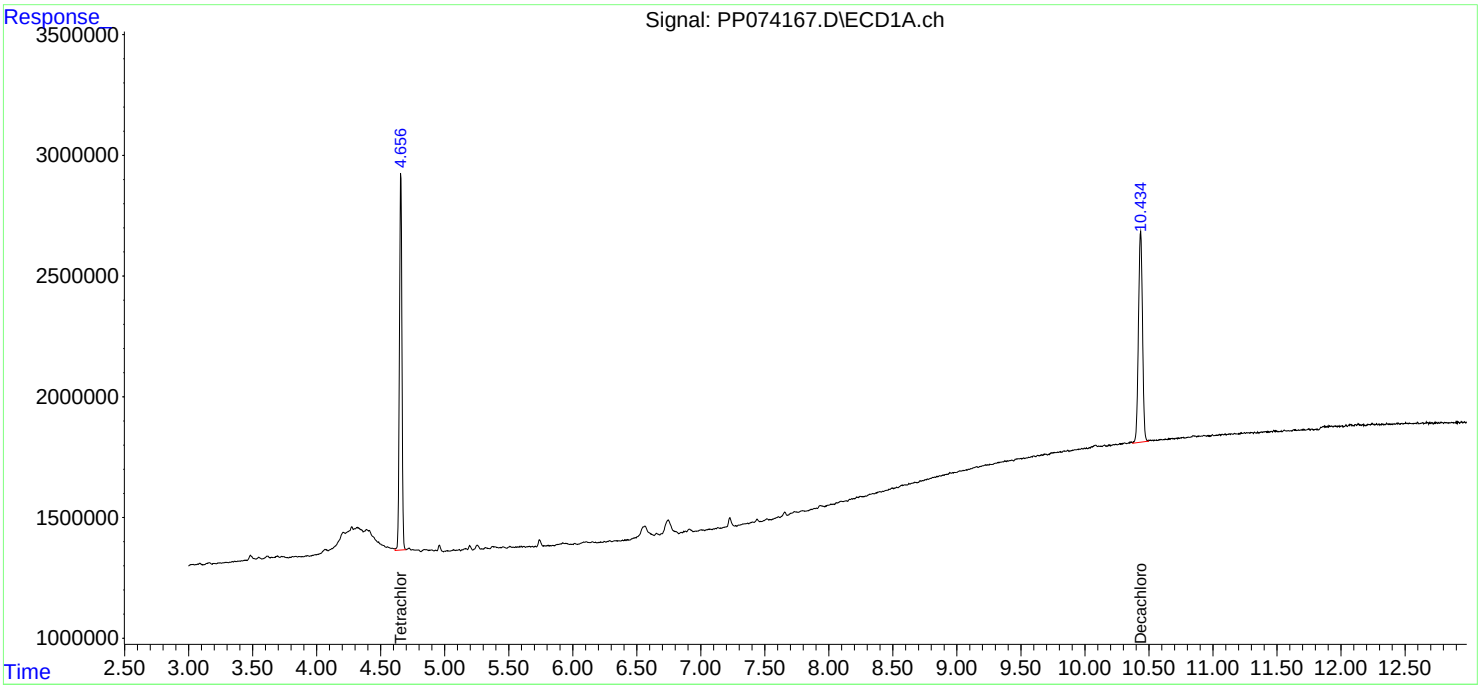
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

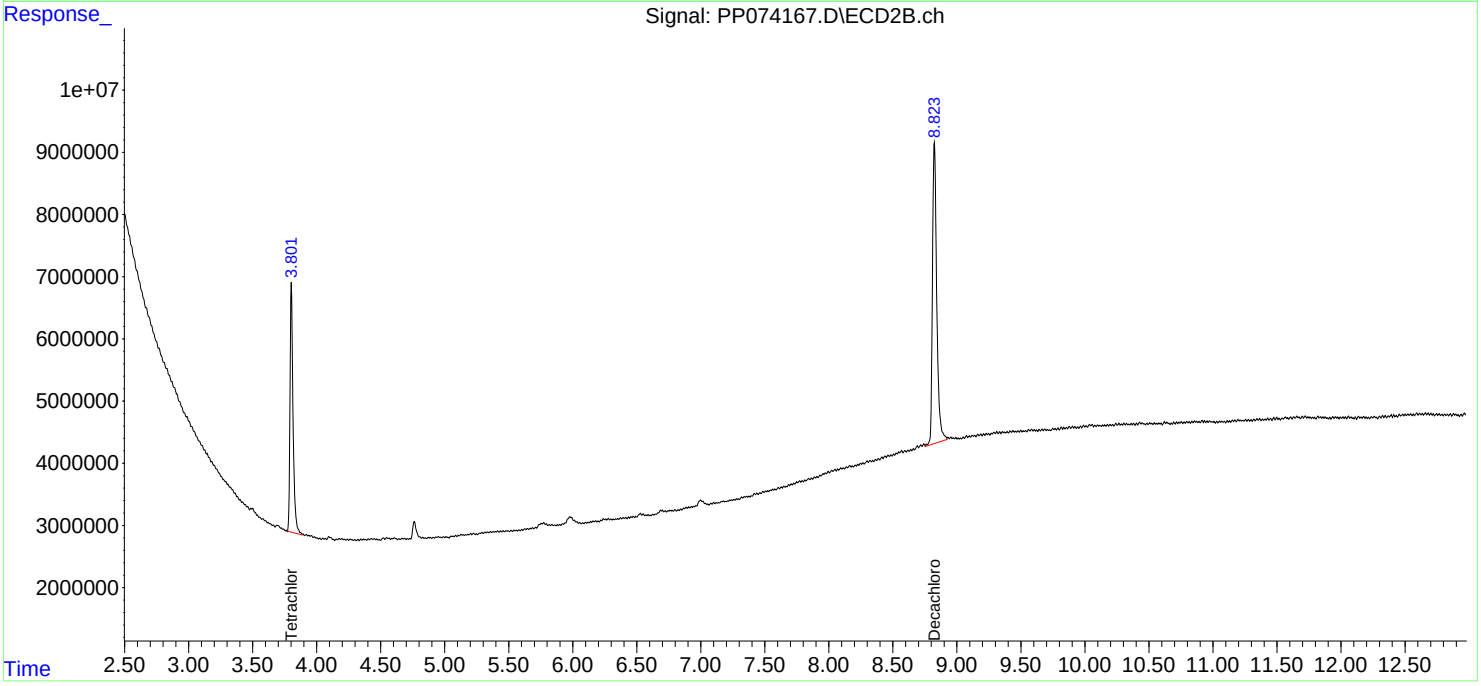
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP080125\
Data File : PP074167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 11:49
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

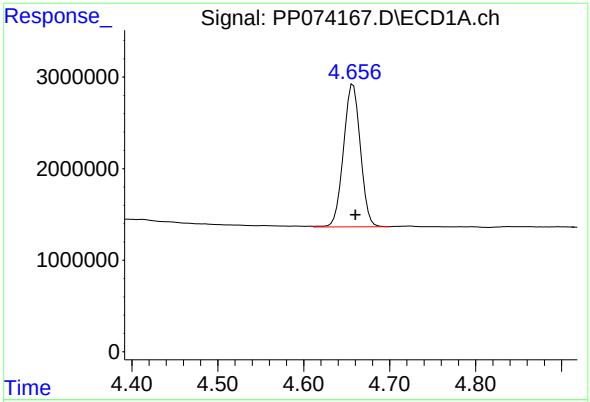
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:35:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Aug 02 01:33:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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



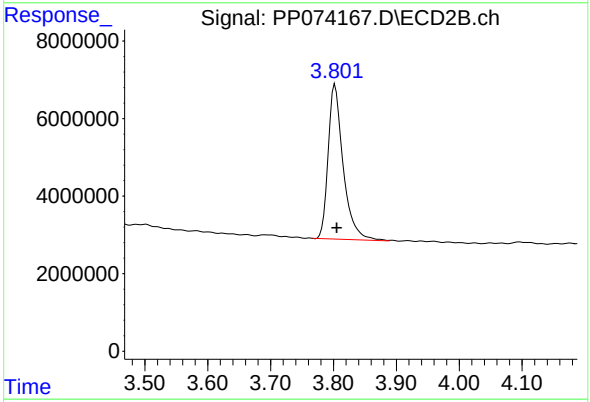




#1 Tetrachloro-m-xylene

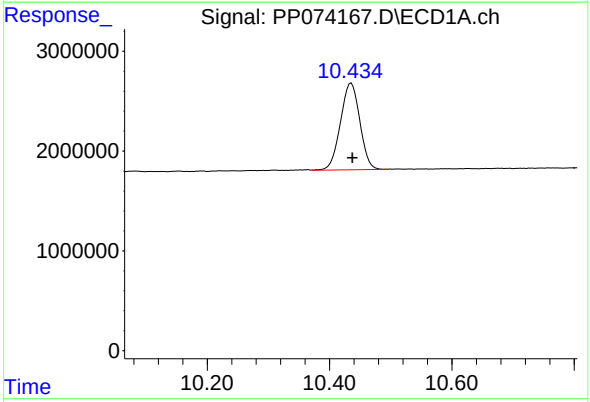
R.T.: 4.658 min
Delta R.T.: -0.002 min
Response: 21300659
Conc: 19.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



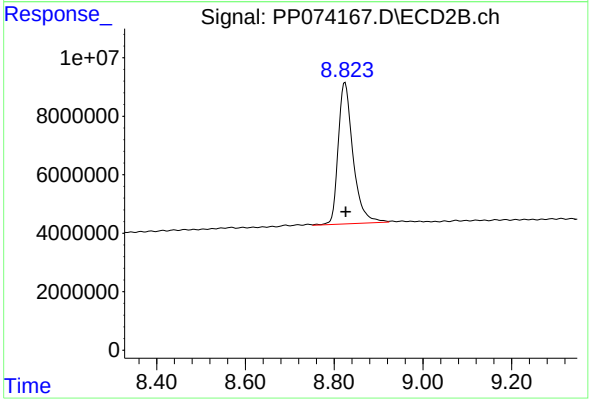
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.002 min
Response: 66146859
Conc: 17.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.435 min
Delta R.T.: -0.002 min
Response: 19096192
Conc: 19.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.002 min
Response: 112184396
Conc: 18.66 ng/ml

Raw Data: **PP074337.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/13/25
Client Sample ID:	PIBLK-PP074337.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PP074337.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074337.D	1		08/13/25	PP081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.4		70 (60) - 130 (140)	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.2		70 (60) - 130 (140)	81%	SPK: 20

Comments:

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

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

Sample Results: **PP074337.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 10:07
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: Aug 13 11:47:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.657	3.801	21551484	62697128	19.272	16.351
2)	SA Decachlor...	10.436	8.818	17935142	97672289	18.468	16.242
	Target Compounds						

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

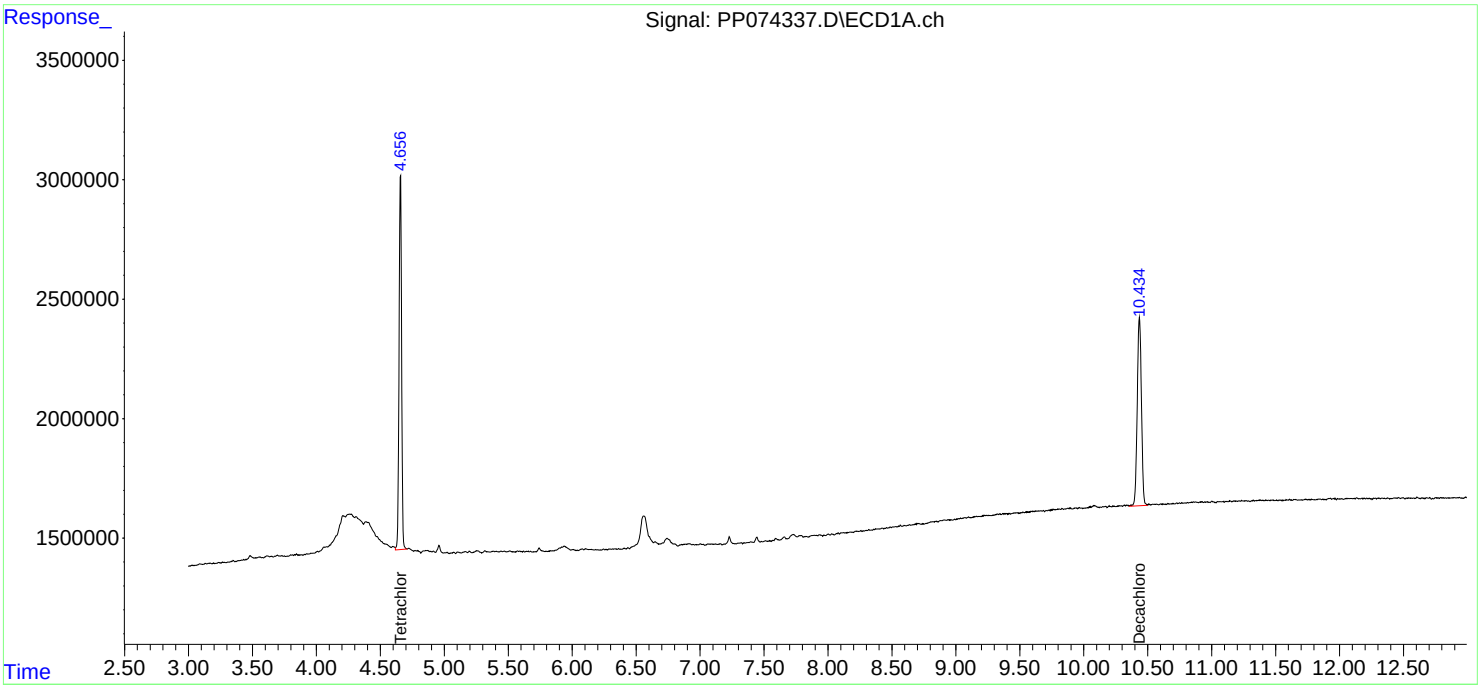
Sample Results: **PP074337.D**

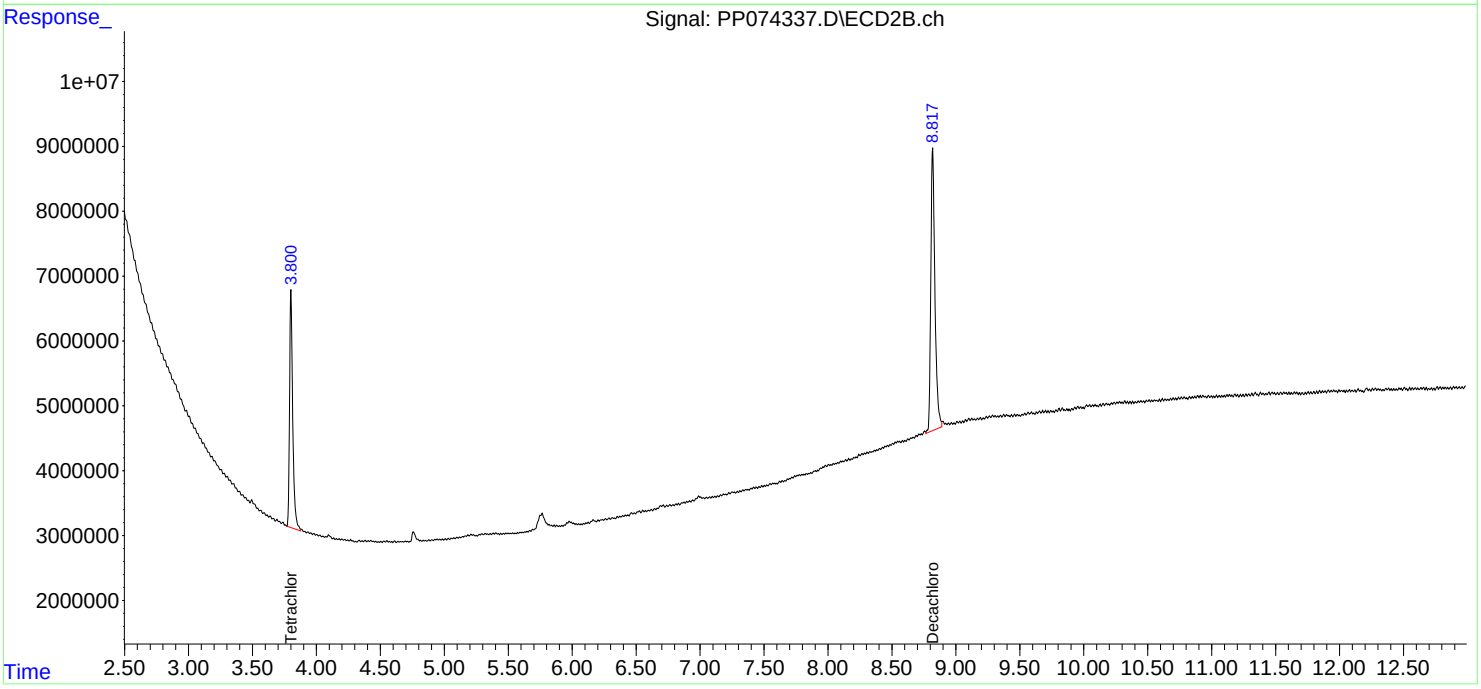
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 10:07
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

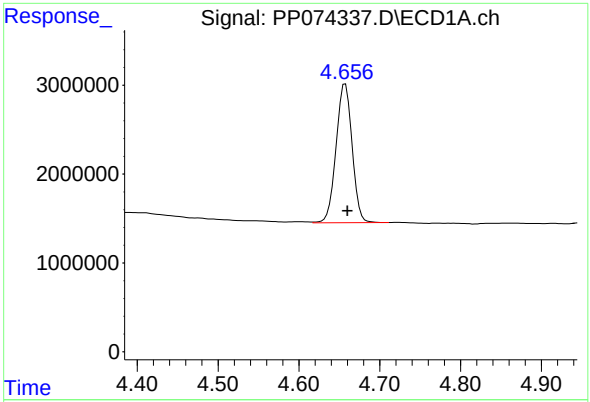
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 11:47:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



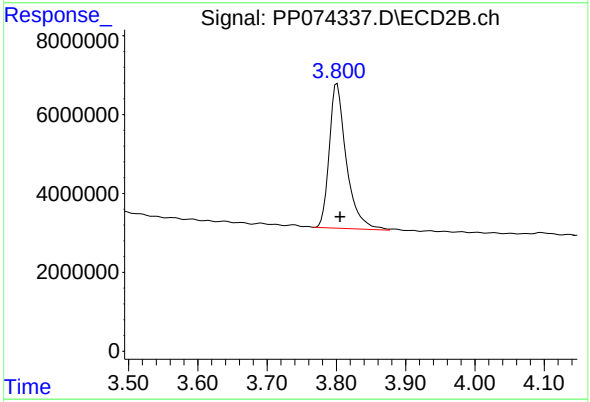




#1 Tetrachloro-m-xylene

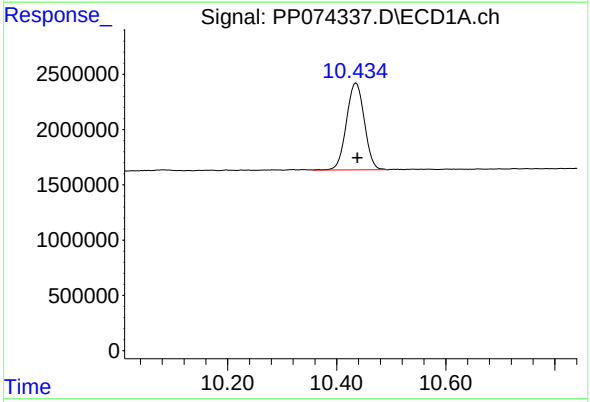
R.T.: 4.657 min
Delta R.T.: -0.003 min
Response: 21551484
Conc: 19.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



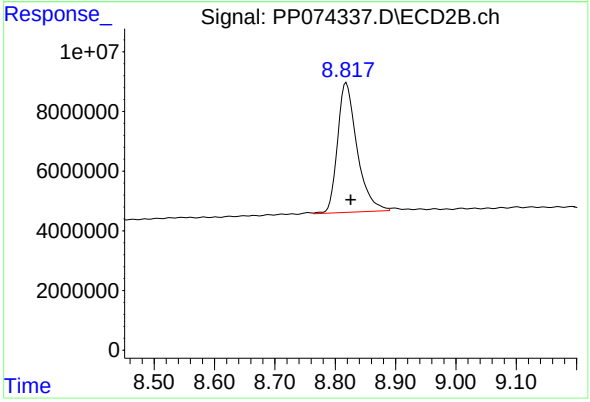
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.004 min
Response: 62697128
Conc: 16.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.436 min
Delta R.T.: -0.002 min
Response: 17935142
Conc: 18.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.008 min
Response: 97672289
Conc: 16.24 ng/ml

Raw Data: **PP074351.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/13/25
Client Sample ID:	PIBLK-PP074351.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PP074351.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074351.D	1		08/13/25	pp081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.7		70 (60) - 130 (140)	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		70 (60) - 130 (140)	82%	SPK: 20

Comments:

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

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

Sample Results: **PP074351.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 16:42
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: Aug 13 23:58:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.662	3.804	21850996	63872548	19.539	16.658
2)	SA Decachlor...	10.445	8.824	17692016	98086578	18.217	16.311
	Target Compounds						

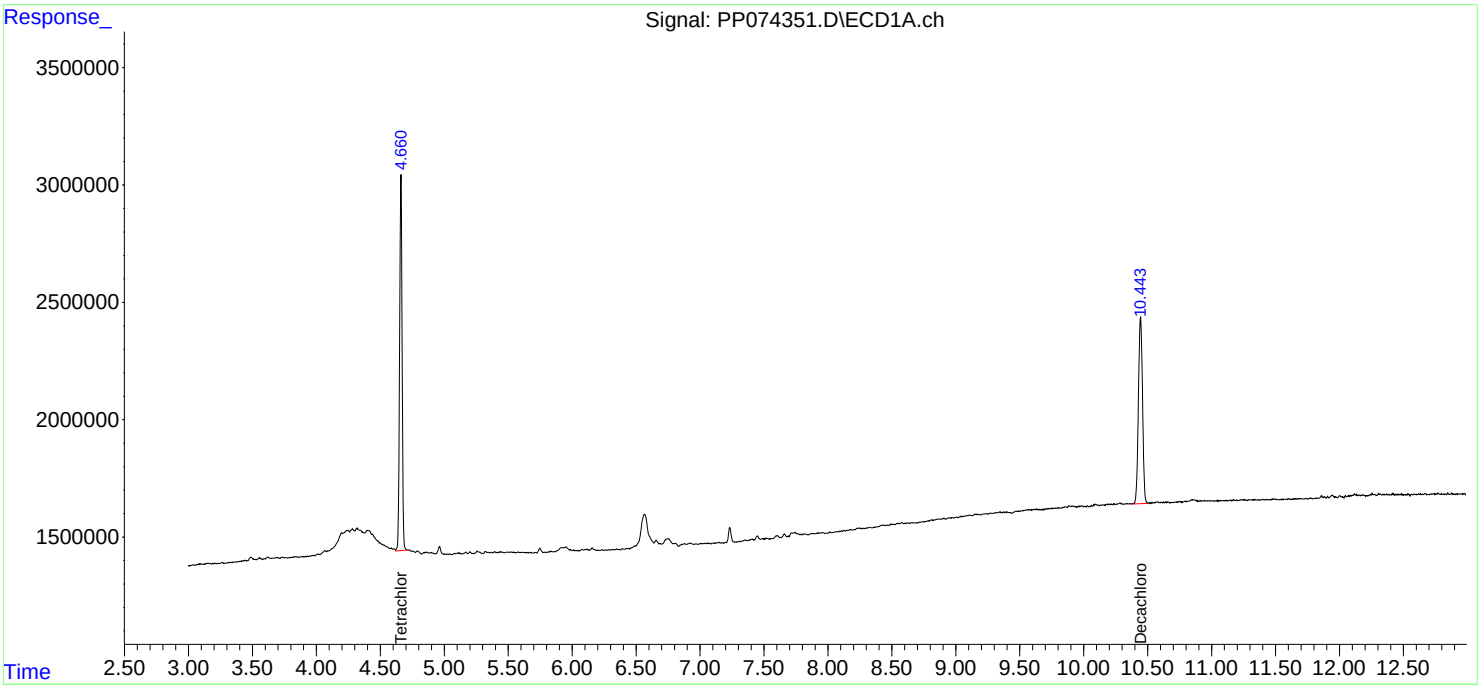
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

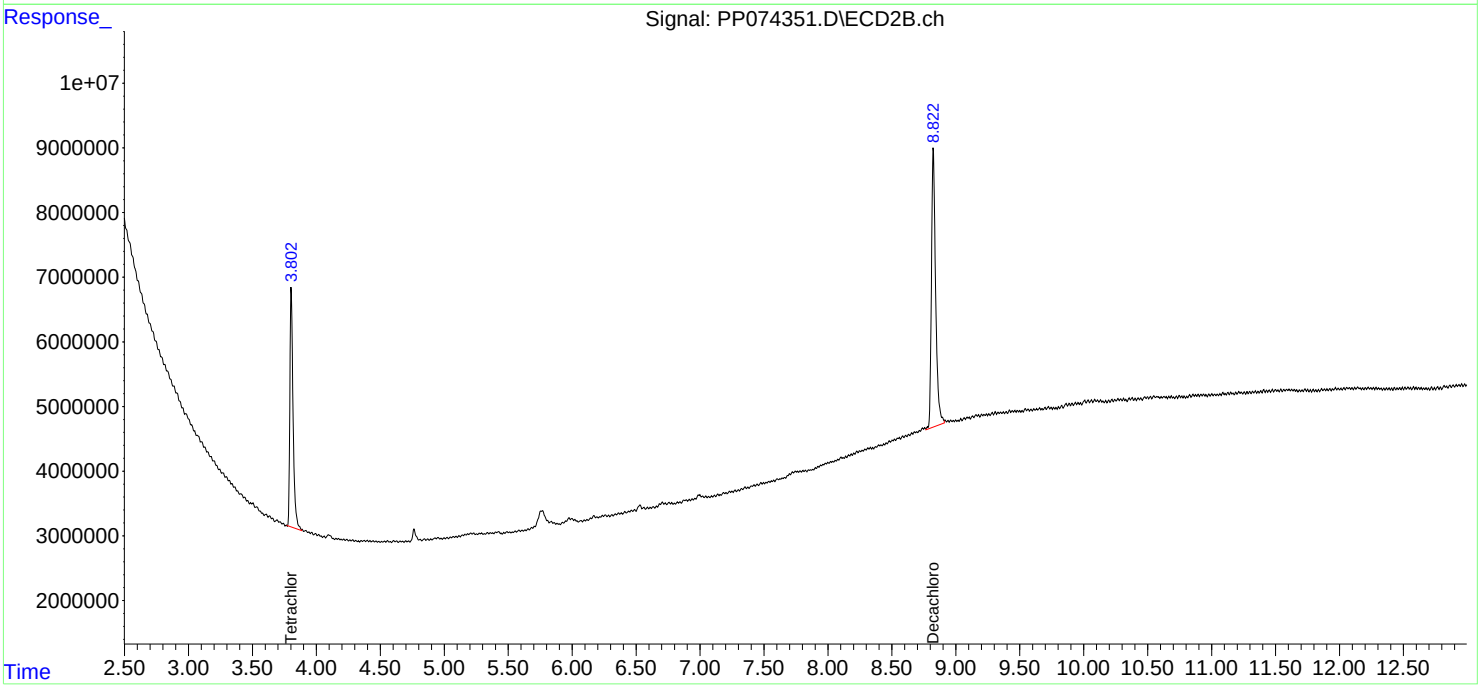
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 16:42
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

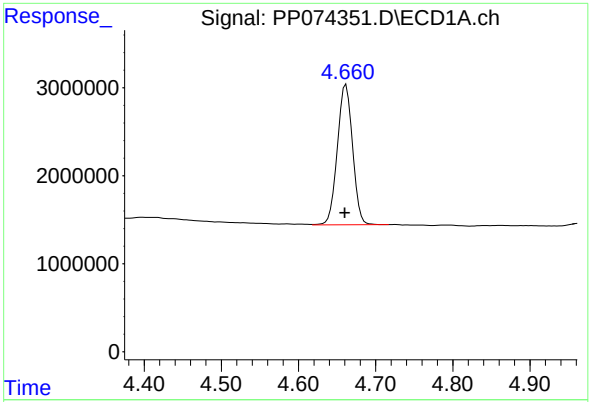
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 23:58:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



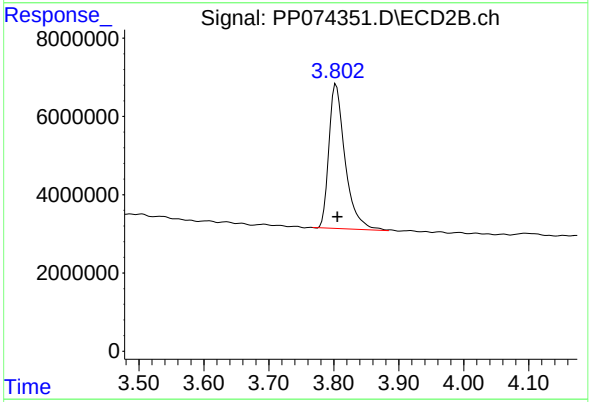




#1 Tetrachloro-m-xylene

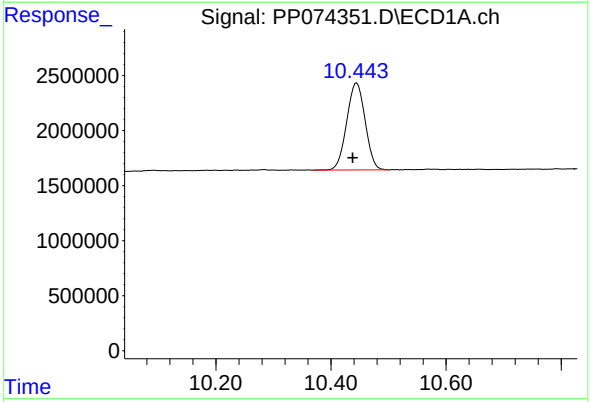
R.T.: 4.662 min
Delta R.T.: 0.002 min
Response: 21850996
Conc: 19.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



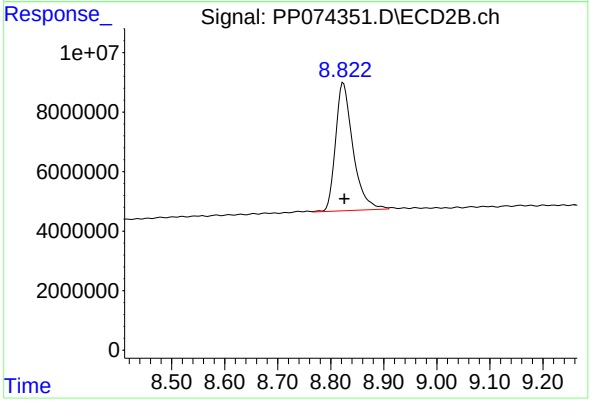
#1 Tetrachloro-m-xylene

R.T.: 3.804 min
Delta R.T.: -0.002 min
Response: 63872548
Conc: 16.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.445 min
Delta R.T.: 0.007 min
Response: 17692016
Conc: 18.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: -0.002 min
Response: 98086578
Conc: 16.31 ng/ml

Raw Data: **PP074365.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/13/25
Client Sample ID:	PIBLK-PP074365.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PP074365.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074365.D	1		08/13/25	pp081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		70 (60) - 130 (140)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		70 (60) - 130 (140)	84%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP074365.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 21:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 00:03:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.660	3.802	22037511	65099108	19.706	16.978
2)	SA Decachlor...	10.438	8.820	18165129	101.6E6	18.705	16.894
	Target Compounds						

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

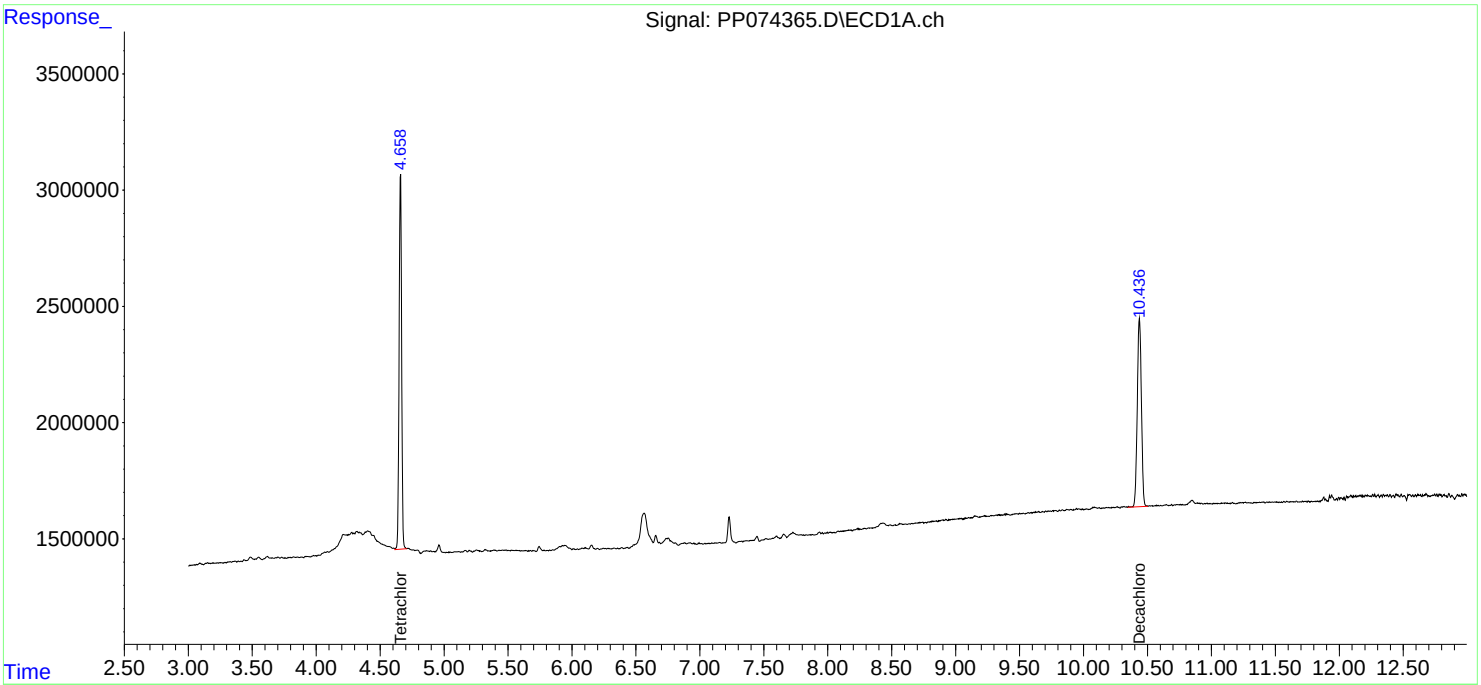
Sample Results: **PP074365.D**

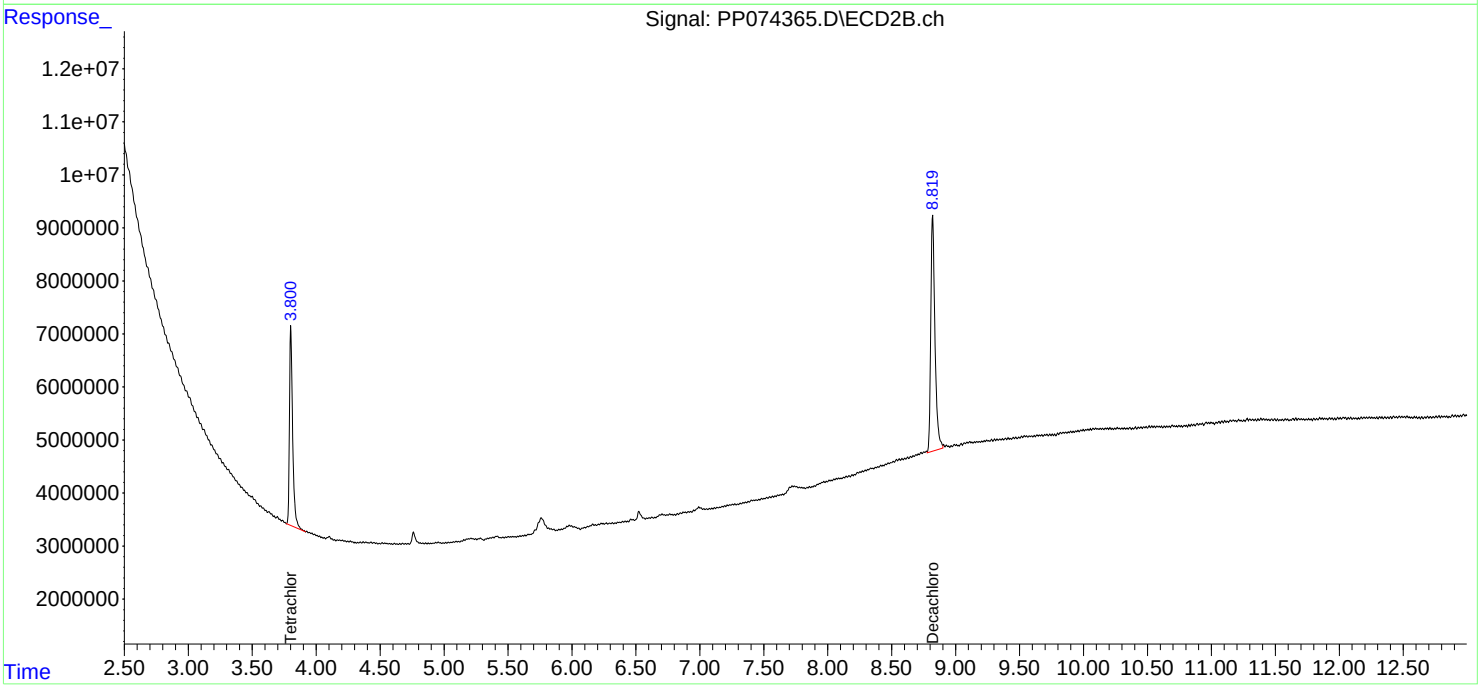
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 21:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

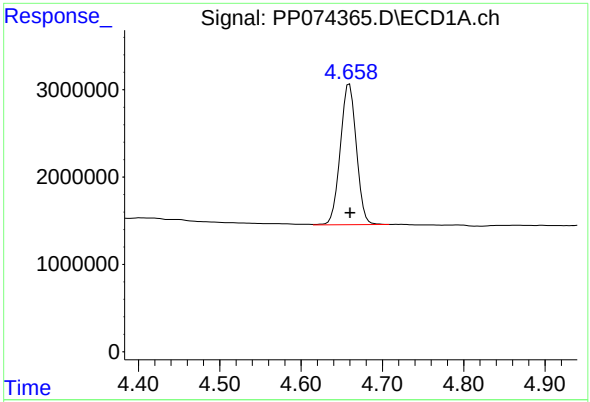
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 00:03:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



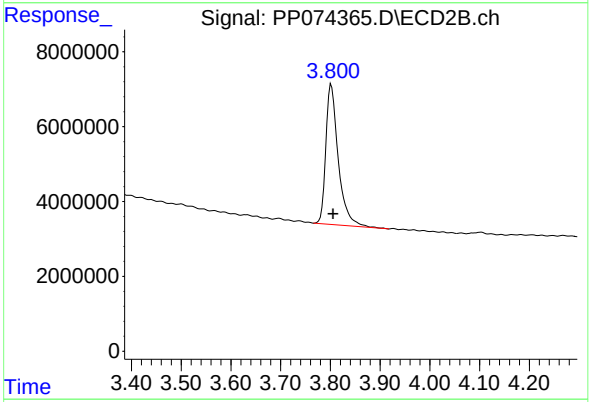




#1 Tetrachloro-m-xylene

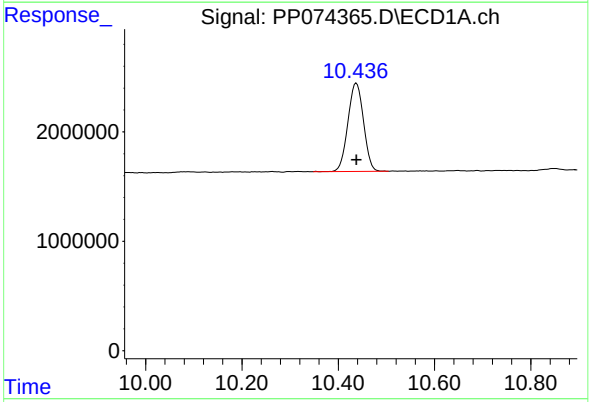
R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 22037511
Conc: 19.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



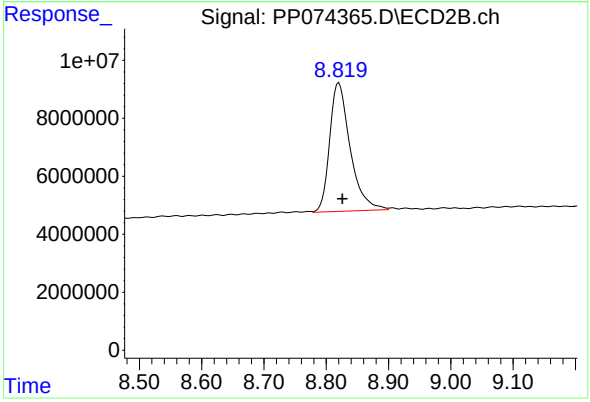
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.004 min
Response: 65099108
Conc: 16.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.438 min
Delta R.T.: 0.000 min
Response: 18165129
Conc: 18.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.820 min
Delta R.T.: -0.006 min
Response: 101594212
Conc: 16.89 ng/ml

Raw Data: **PP074371.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/14/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/14/25
Client Sample ID:	PIBLK-PP074371.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PP074371.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074371.D	1		08/14/25	pp081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.6		70 (60) - 130 (140)	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		70 (60) - 130 (140)	86%	SPK: 20

Comments:

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

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

Sample Results: **PP074371.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 00:51
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: Aug 14 01:51:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.658	3.801	22075270	63715124	19.740	16.617
2)	SA Decachlor...	10.437	8.818	18298471	103.1E6	18.842	17.152
	Target Compounds						

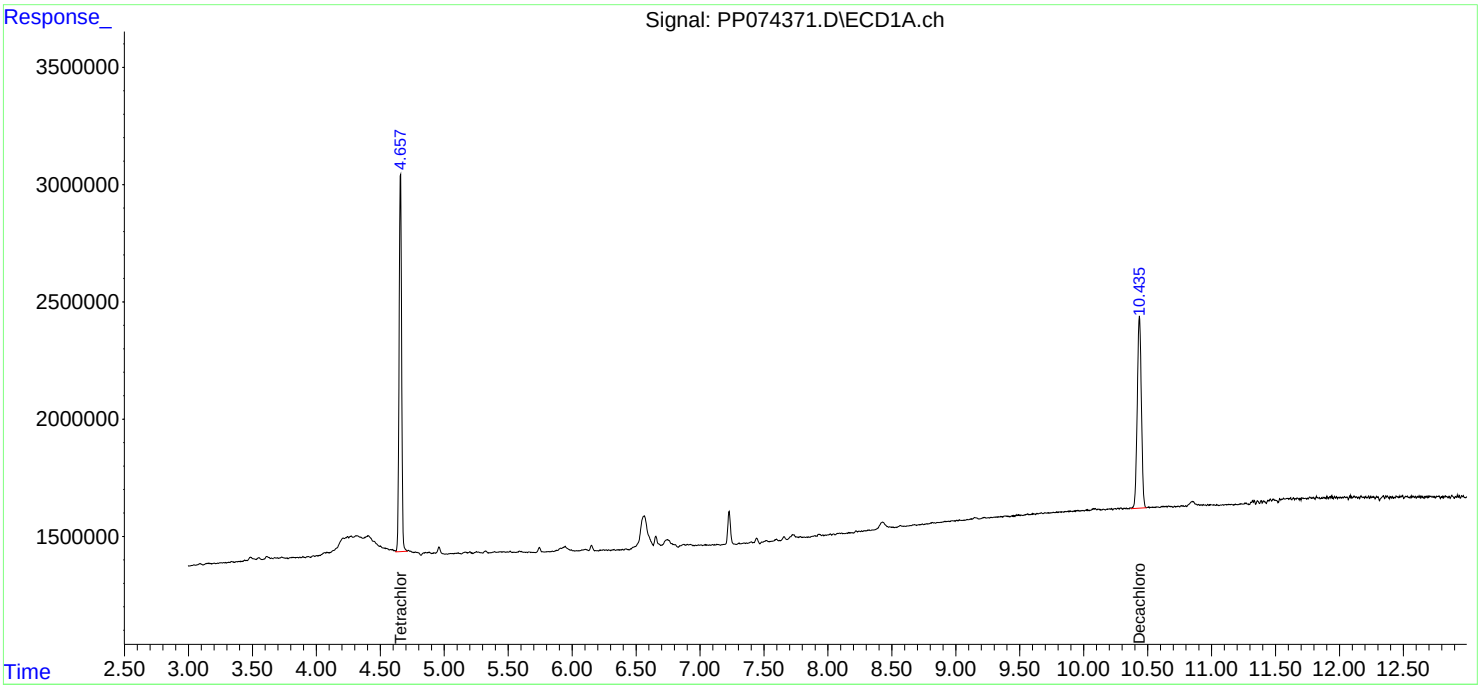
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

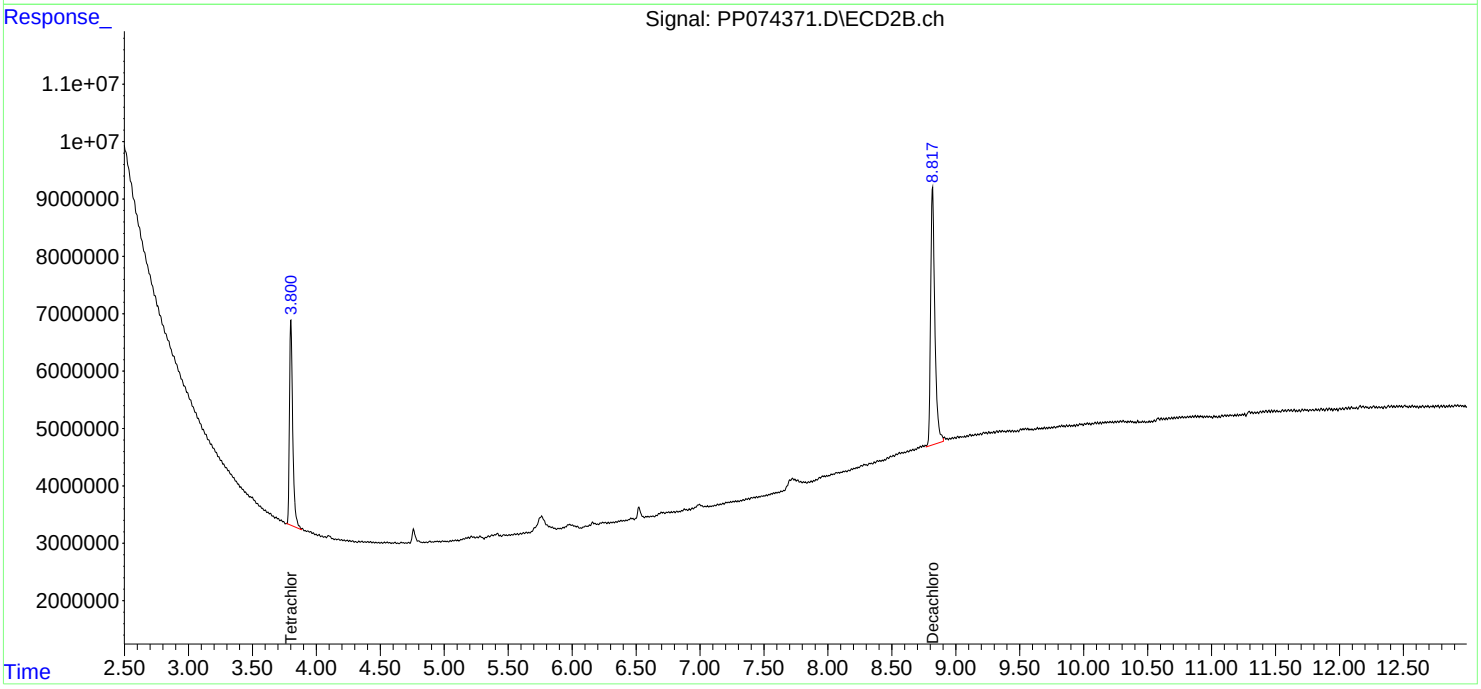
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 00:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

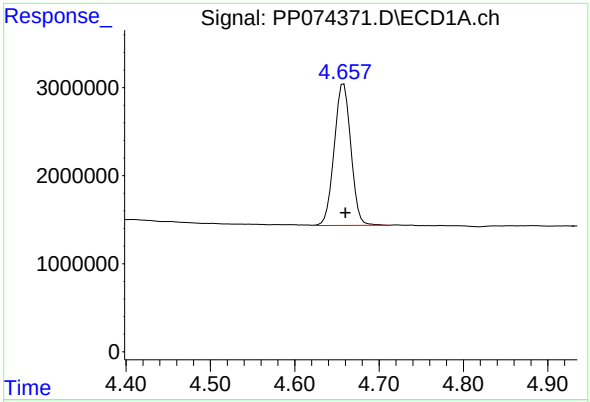
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 01:51:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



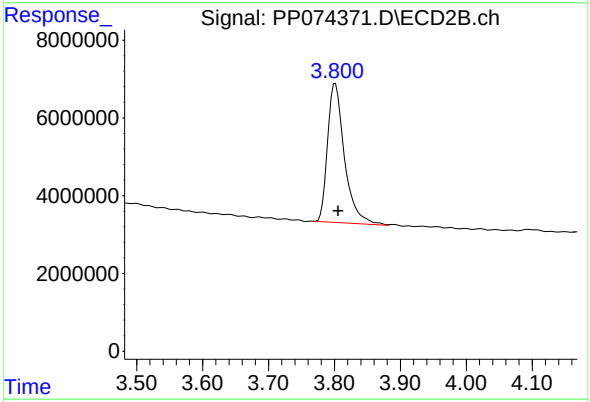




#1 Tetrachloro-m-xylene

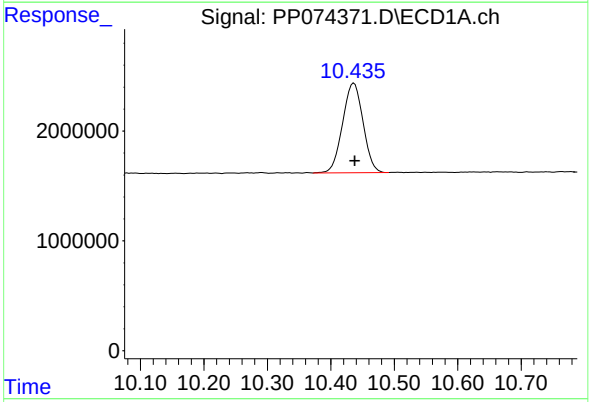
R.T.: 4.658 min
Delta R.T.: -0.002 min
Response: 22075270
Conc: 19.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



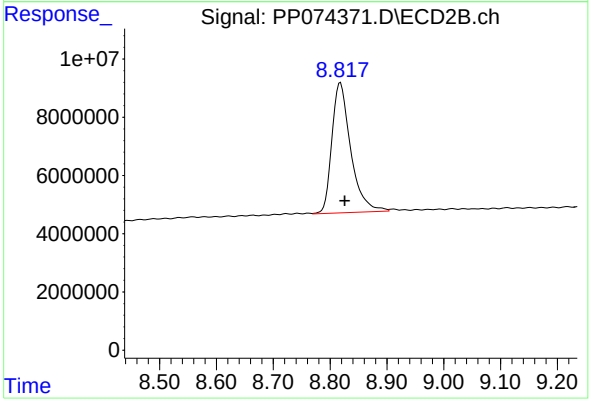
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.004 min
Response: 63715124
Conc: 16.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: -0.001 min
Response: 18298471
Conc: 18.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.008 min
Response: 103145447
Conc: 17.15 ng/ml

Raw Data: **PP074376.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/14/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/14/25
Client Sample ID:	PIBLK-PP074376.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PP074376.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074376.D	1		08/14/25	PP081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		70 (60) - 130 (140)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		70 (60) - 130 (140)	97%	SPK: 20

Comments:

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

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

Sample Results: **PP074376.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 09:17
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: Aug 14 11:02:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.656	3.798	25783846	74117645	23.056	19.330
2)	SA Decachlor...	10.437	8.818	20513647	117.1E6	21.123	19.475
	Target Compounds						

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

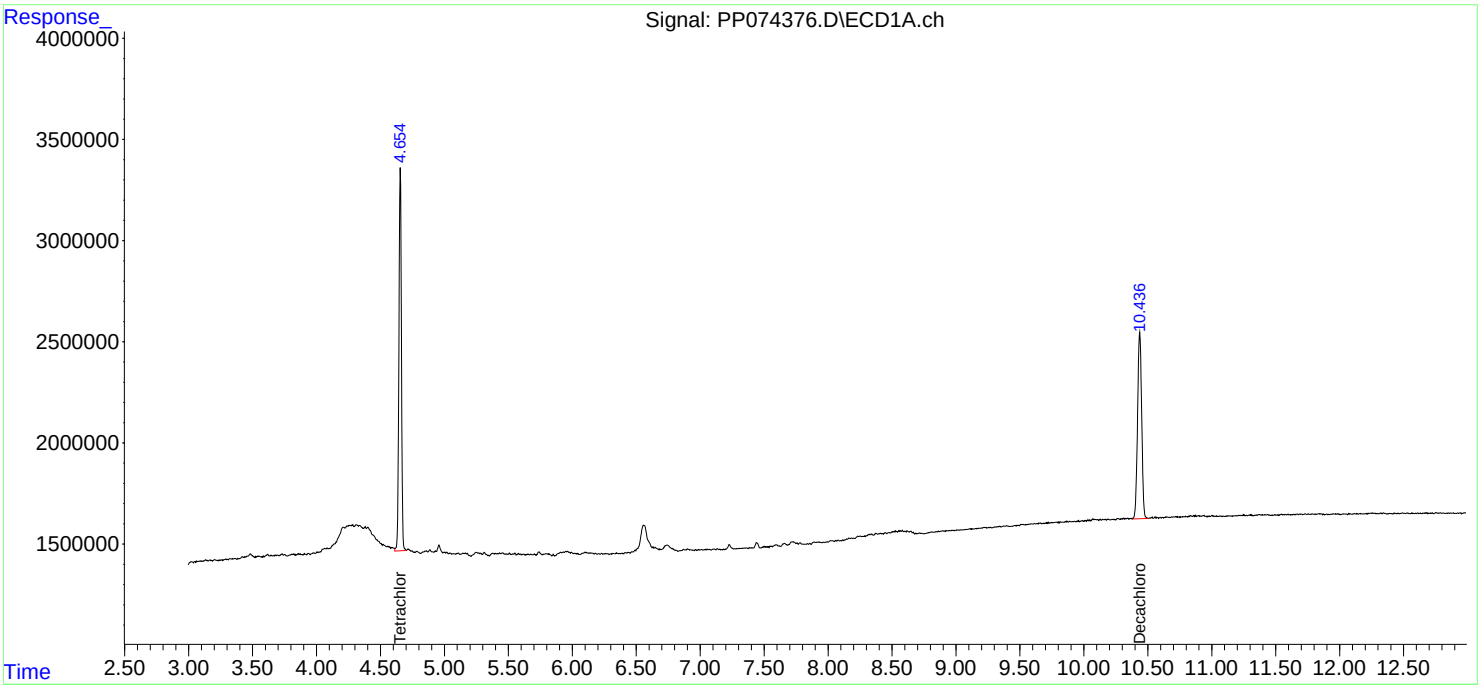
Sample Results: **PP074376.D**

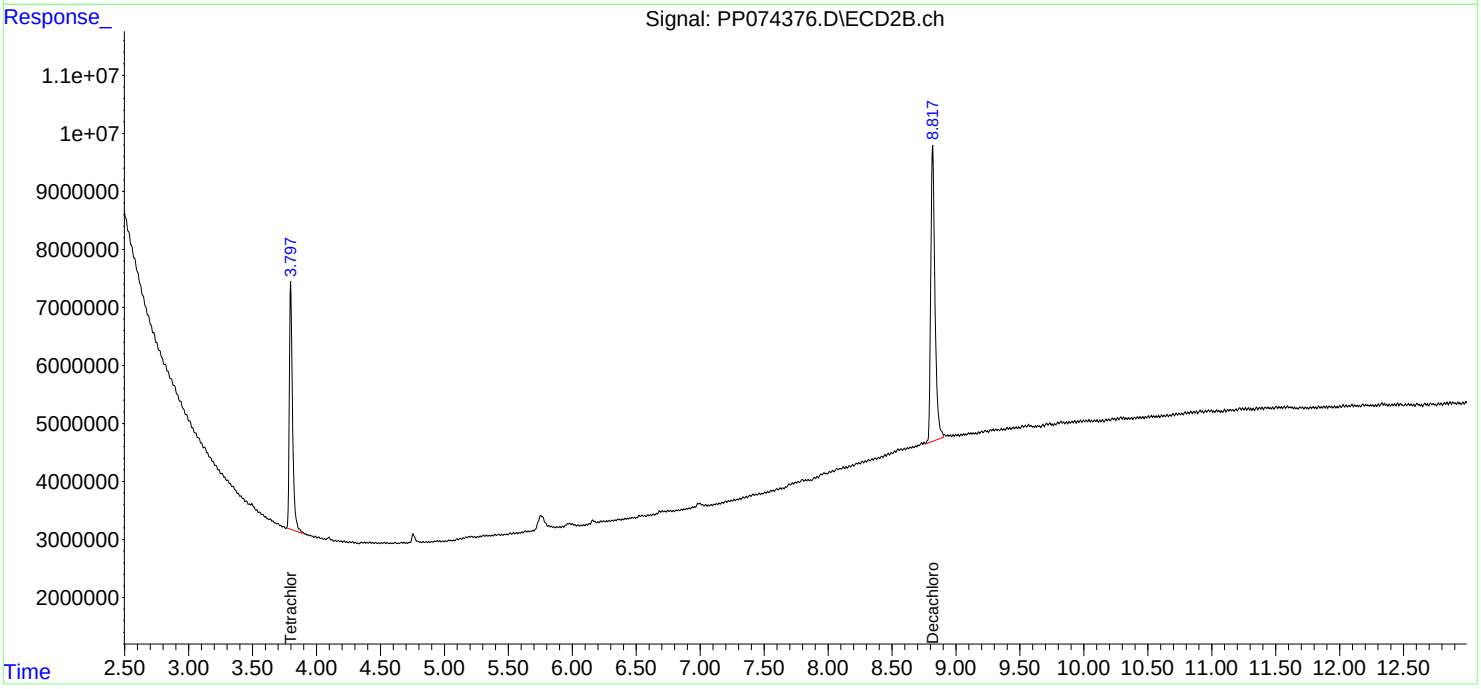
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 09:17
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

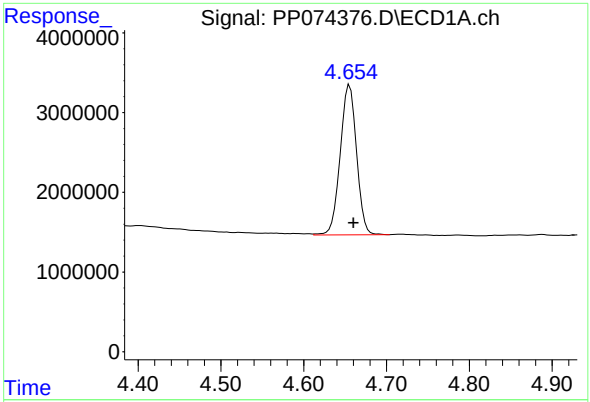
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 11:02:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



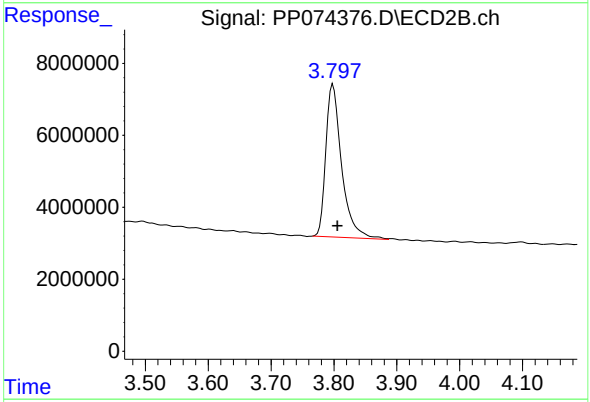




#1 Tetrachloro-m-xylene

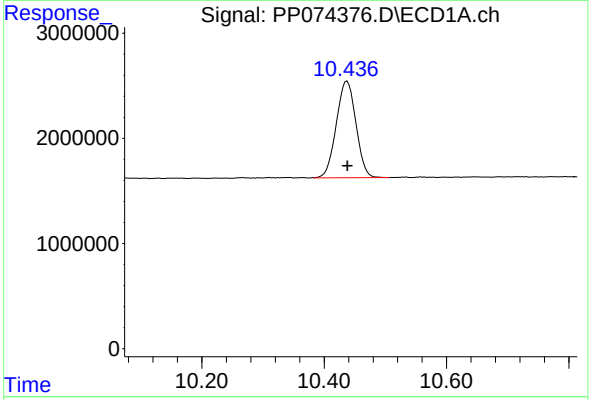
R.T.: 4.656 min
Delta R.T.: -0.004 min
Response: 25783846
Conc: 23.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



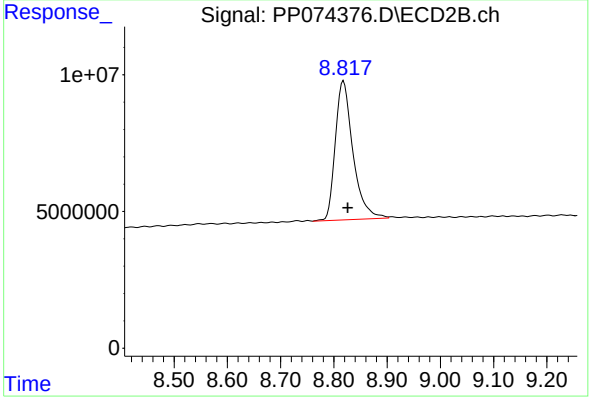
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: -0.007 min
Response: 74117645
Conc: 19.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.000 min
Response: 20513647
Conc: 21.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.008 min
Response: 117114857
Conc: 19.47 ng/ml

Raw Data: **PP074390.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/14/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/14/25
Client Sample ID:	PIBLK-PP074390.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PP074390.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074390.D	1		08/14/25	PP081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		70 (60) - 130 (140)	90%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:11
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: Aug 14 17:06:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.658	3.801	23360821	71620010	20.889	18.678
2)	SA Decachlor...	10.436	8.818	18832642	108.6E6	19.392	18.066
	Target Compounds						

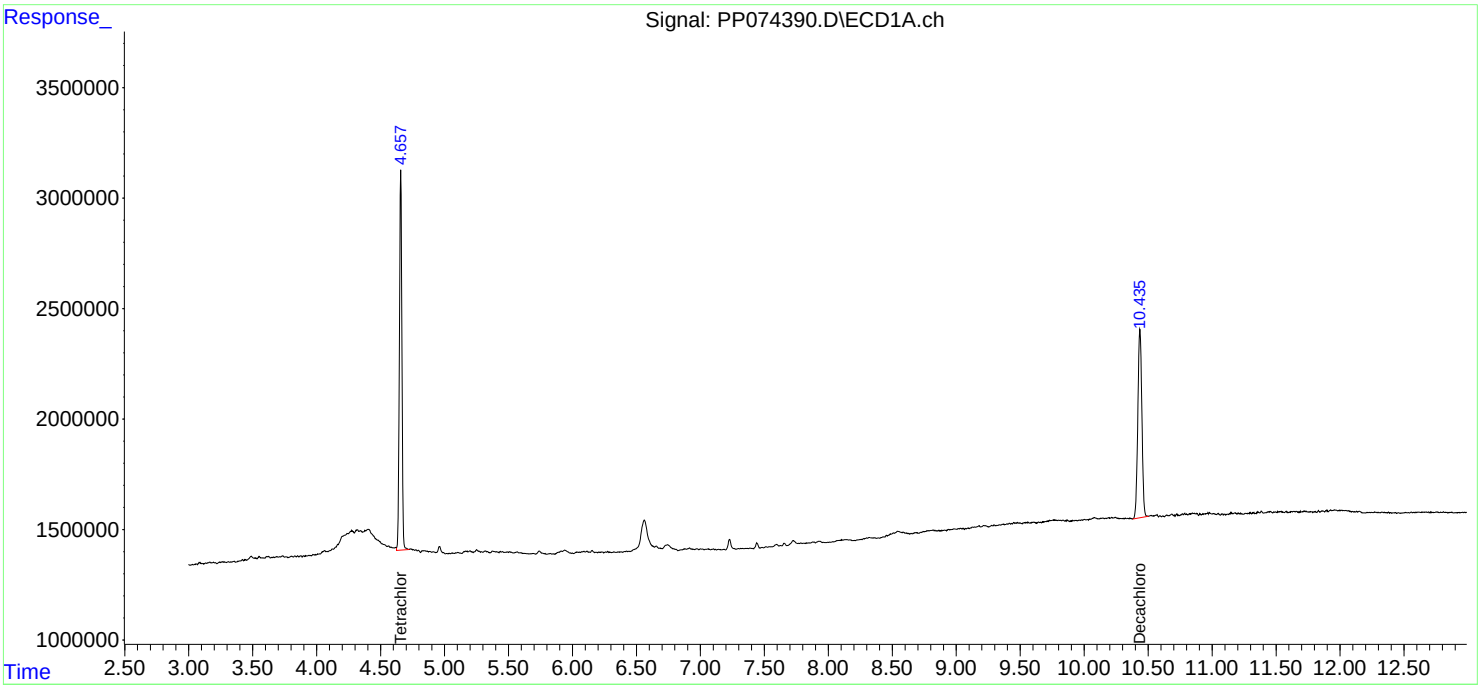
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

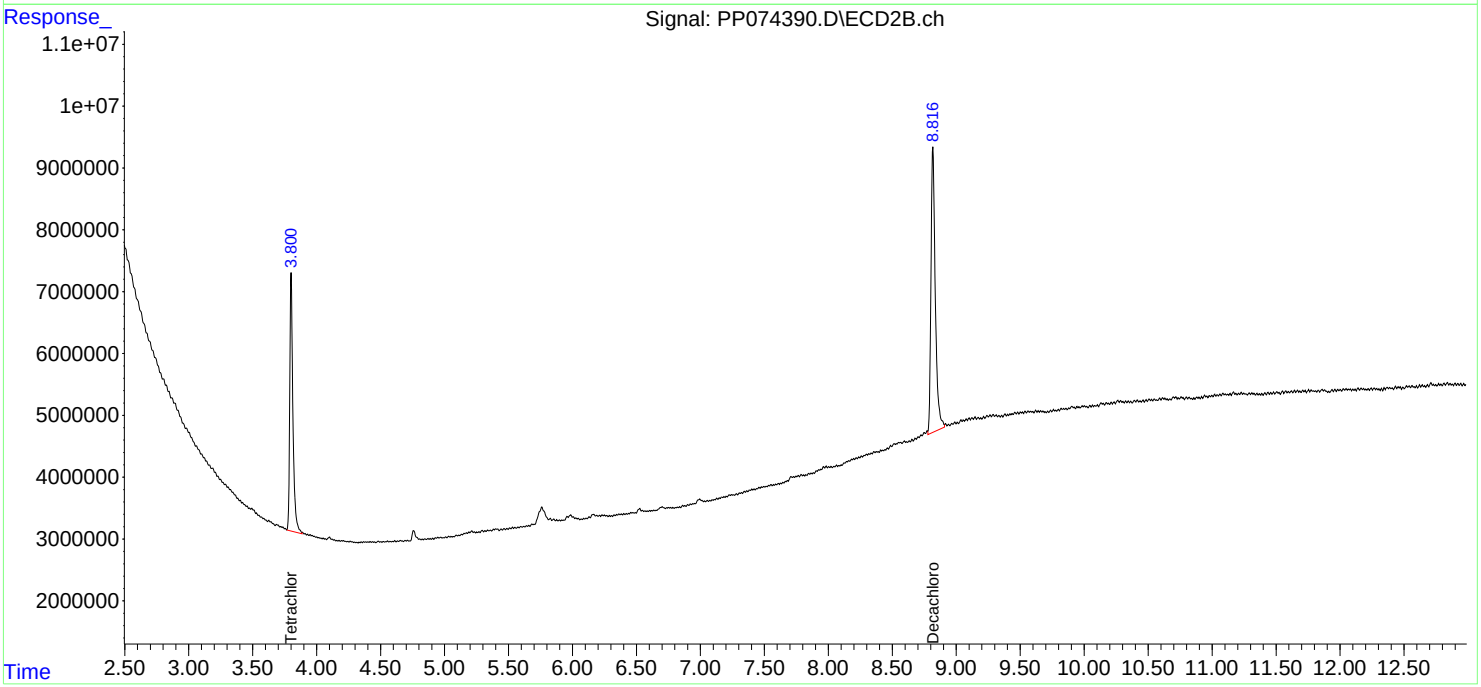
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081425\
Data File : PP074390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

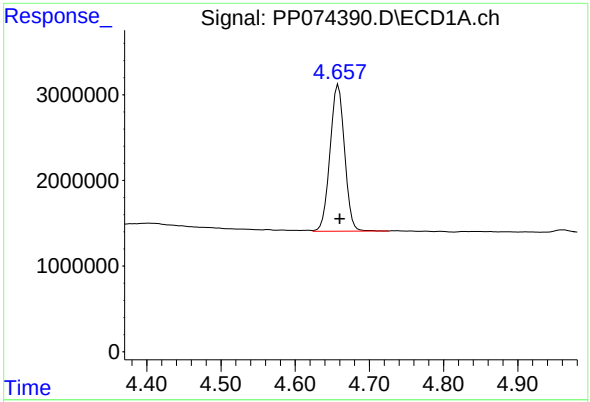
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:06:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



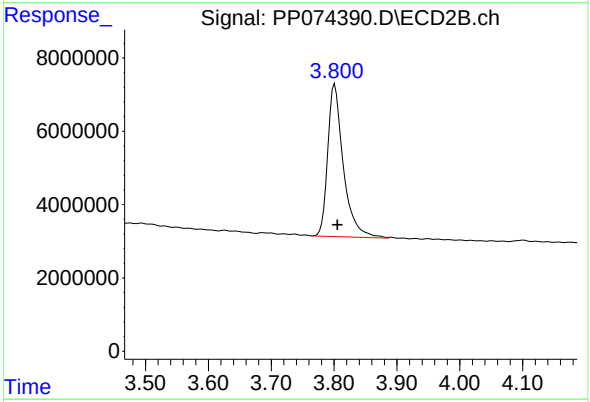




#1 Tetrachloro-m-xylene

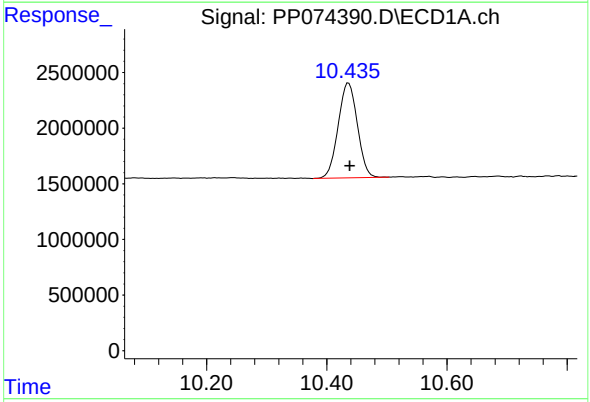
R.T.: 4.658 min
Delta R.T.: -0.002 min
Response: 23360821
Conc: 20.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



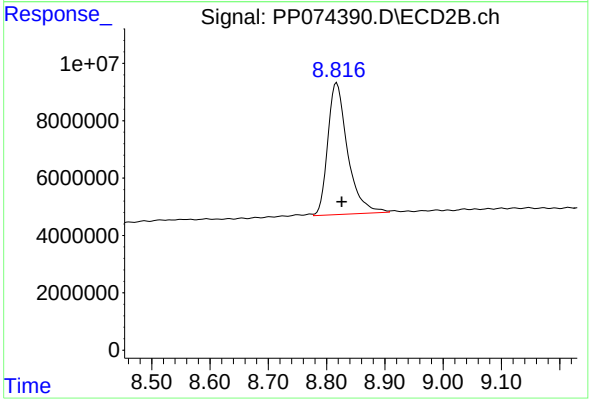
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.004 min
Response: 71620010
Conc: 18.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.436 min
Delta R.T.: -0.002 min
Response: 18832642
Conc: 19.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.008 min
Response: 108644591
Conc: 18.07 ng/ml

Raw Data: **PP074340.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB169227BS		SDG No.:	Q2832	
Lab Sample ID:	PB169227BS		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074340.D	1	08/13/25 08:33	08/13/25 12:55	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	195		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	189		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.4		30 (32) - 150 (144)	127%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		30 (32) - 150 (175)	118%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 12:55
Operator : YP\AJ
Sample : PB169227BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169227BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:40:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.661	3.804	28352685	87432459	25.353	22.802
2)	SA Decachlor...	10.442	8.823	22930914	131.2E6	23.612	21.822
	Target Compounds						
3)	L1 AR-1016-1	5.813	4.904	23924041	236.9E6	579.881	593.980
4)	L1 AR-1016-2	5.834	4.962	35302593	109.4E6	581.192	582.355
5)	L1 AR-1016-3	5.898	5.081	23152195	62749044	583.759	591.583
6)	L1 AR-1016-4	5.995	5.122	19044781	62848392	585.192	575.429
7)	L1 AR-1016-5	6.287	5.336	18310597	68747144	563.957	587.767
31)	L7 AR-1260-1	7.405	6.554	32200623	241.9E6	571.378	598.800
32)	L7 AR-1260-2	7.658	6.708	37222394	190.9E6	546.164	610.604
33)	L7 AR-1260-3	8.016	6.918	25253920	211.8E6	473.843	537.418
34)	L7 AR-1260-4	8.243	7.178	33208454	159.2E6	530.360m	547.072
35)	L7 AR-1260-5	8.570	7.418	53626648	411.3E6	473.295	543.079

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

Sample Results: **PP074340.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 12:55
Operator : YP\AJ
Sample : PB169227BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

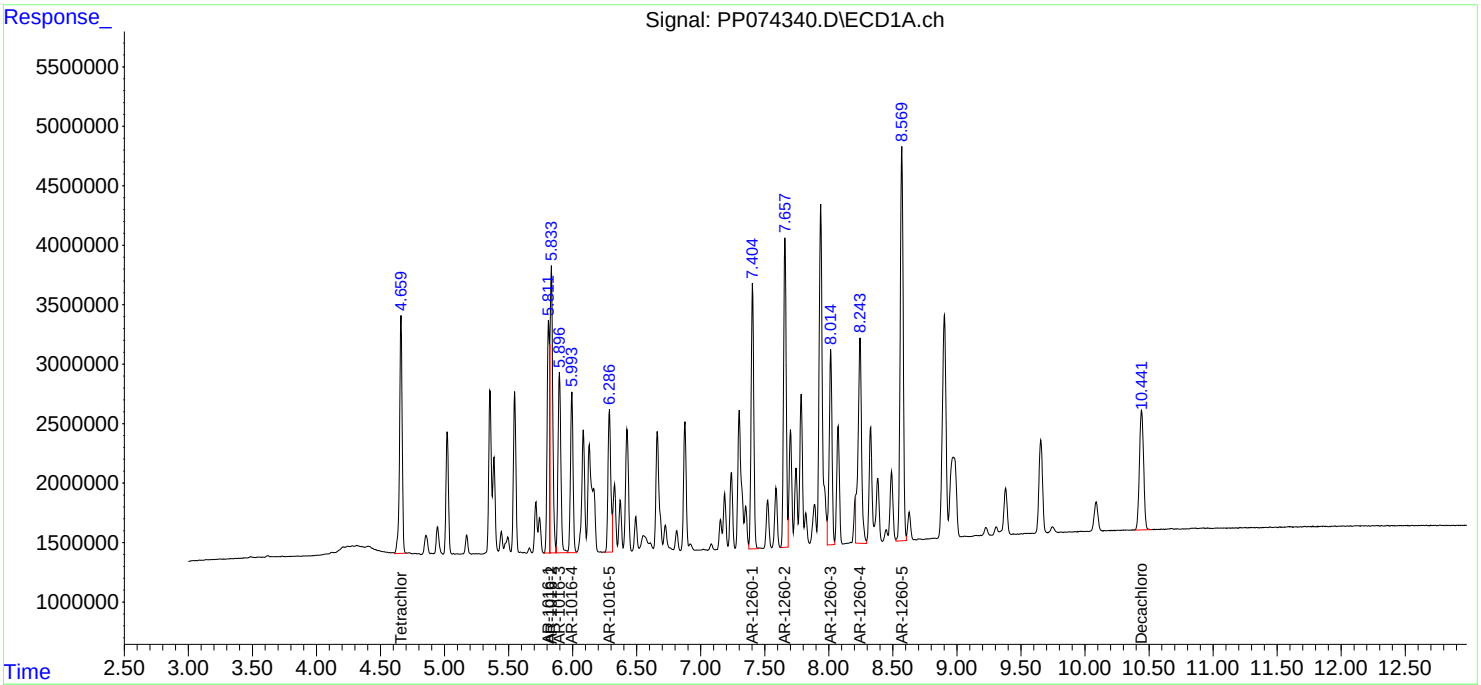
Instrument :
ECD_P
ClientSampleId :
PB169227BS

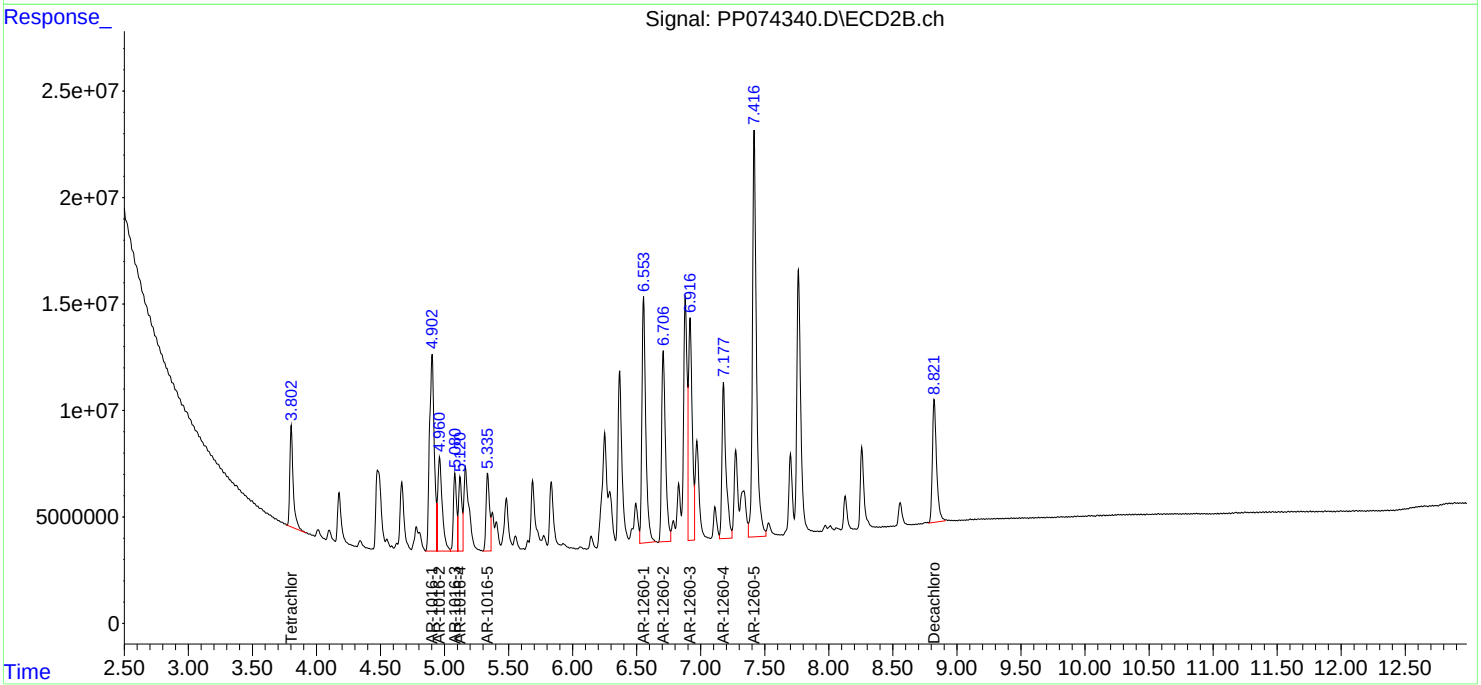
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:40:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP074344.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02MS	SDG No.:	Q2832
Lab Sample ID:	Q2832-03MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074344.D	1	08/13/25 08:33	08/13/25 14:00	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	223		4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	635	E	3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.3		30 (32) - 150 (144)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		30 (32) - 150 (175)	117%	SPK: 20

Comments:

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

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

Sample Results: **PP074344.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 14:00
Operator : YP\AJ
Sample : Q2832-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TG-S02MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:43:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.657	3.801	27137901	85523073	24.267	22.304	
2)	SA Decachlor...	10.438	8.820	22761750	136.7E6	23.438	22.730	
	Target Compounds							
3)	L1 AR-1016-1	5.809	4.901	24702756	227.5E6	598.756	570.261	
4)	L1 AR-1016-2	5.831	4.958	35595314	109.7E6	586.011	584.342	
5)	L1 AR-1016-3	5.894	5.079	25193346	60071952	635.225	566.344	
6)	L1 AR-1016-4	5.991	5.120	21671047	65149070	665.890	596.494	
7)	L1 AR-1016-5	6.284	5.335	21635201	69077190	666.354	590.589	
31)	L7 AR-1260-1	7.402	6.551	78343656	710.1E6	1390.155	1757.831	#
32)	L7 AR-1260-2	7.654	6.706	94483862	459.6E6	1386.362	1469.646	
33)	L7 AR-1260-3	8.012	6.914	69683337	699.7E6	1307.480	1775.271	#
34)	L7 AR-1260-4	8.239	7.176	112.9E6	572.5E6	1802.938m	1967.331	
35)	L7 AR-1260-5	8.566	7.415	163.8E6	1520.9E6	1445.878	2008.091	#

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

Sample Results: **PP074344.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 14:00
Operator : YP\AJ
Sample : Q2832-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

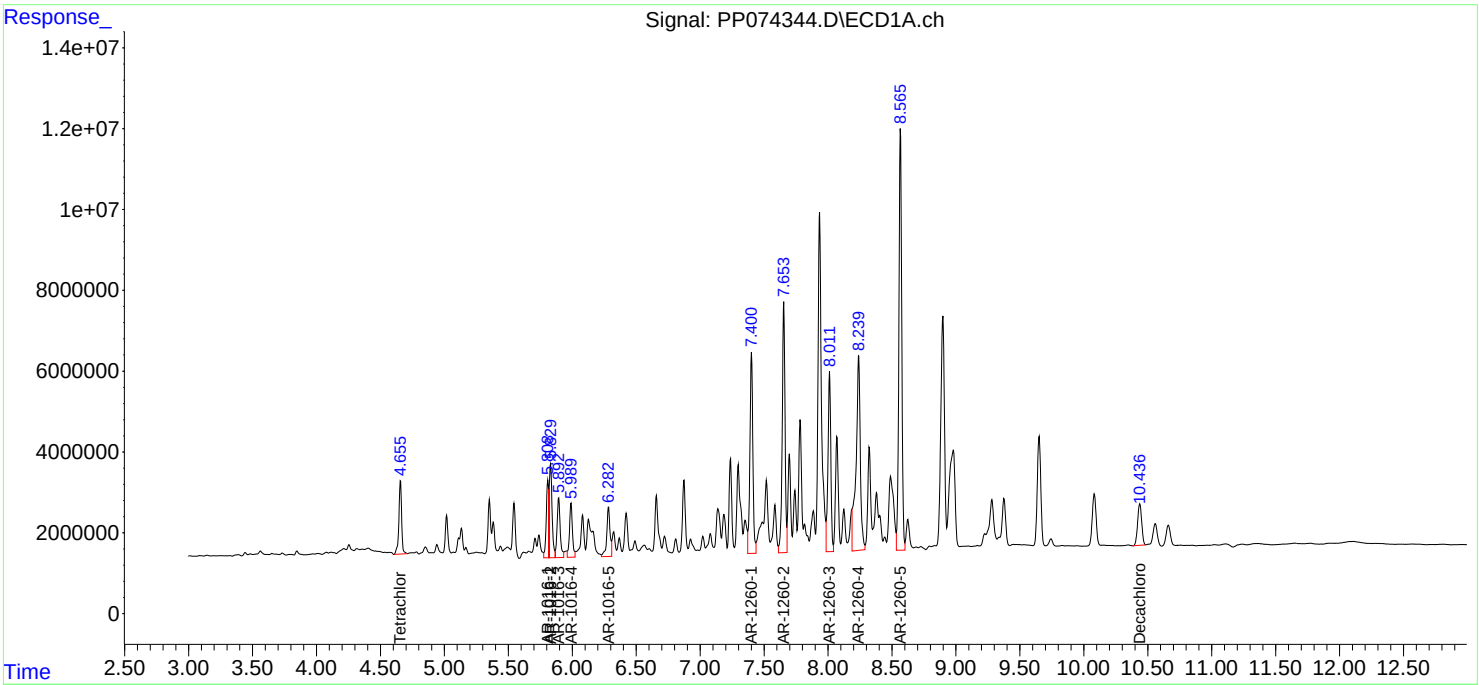
Instrument :
ECD_P
ClientSampleId :
TG-S02MS

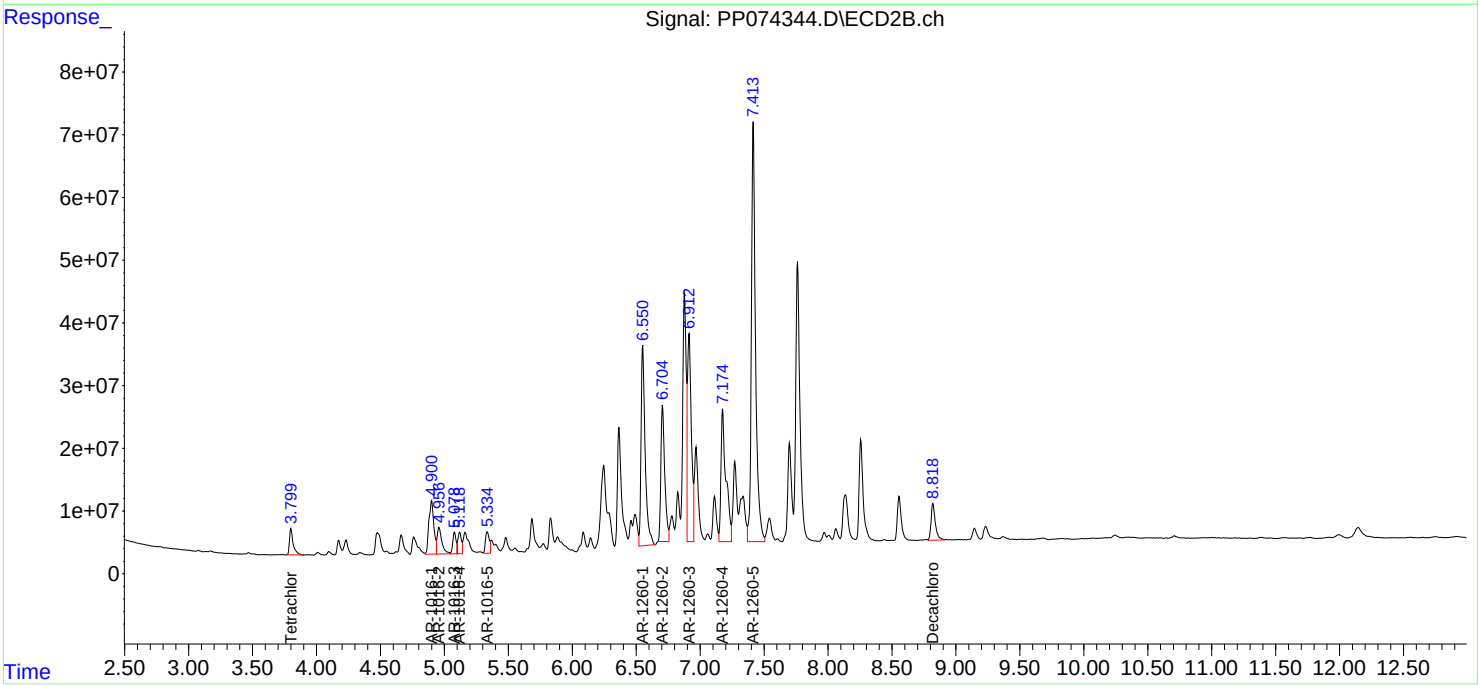
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:43:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PP074345.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02MSD	SDG No.:	Q2832
Lab Sample ID:	Q2832-03MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074345.D	1	08/13/25 08:33	08/13/25 14:16	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	221		4.20	18.1	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.1	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.1	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.1	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.1	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.1	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.1	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.1	ug/kg
11096-82-5	Aroclor-1260	627	E	3.40	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.2		30 (32) - 150 (144)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		30 (32) - 150 (175)	115%	SPK: 20

Comments:

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

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

Sample Results: **PP074345.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 14:16
Operator : YP\AJ
Sample : Q2832-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TG-S02MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:43:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	4.661	3.804	27089049	84124648	24.223	21.939	
2)	SA Decachlor...	10.445	8.825	22290571	132.0E6	22.952	21.953	
	Target Compounds							
3)	L1 AR-1016-1	5.813	4.905	24326925	217.9E6	589.646	546.325	
4)	L1 AR-1016-2	5.835	4.962	35316025	107.2E6	581.413	570.527	
5)	L1 AR-1016-3	5.898	5.083	24991267	59697212	630.130	562.812	
6)	L1 AR-1016-4	5.995	5.124	21512751	63545144	661.026	581.808	
7)	L1 AR-1016-5	6.287	5.339	21221415	69778245	653.609	596.583	
31)	L7 AR-1260-1	7.406	6.555	77444421	692.2E6	1374.199	1713.600	
32)	L7 AR-1260-2	7.658	6.710	93011734	453.0E6	1364.762	1448.730	
33)	L7 AR-1260-3	8.016	6.918	68577617	682.4E6	1286.733	1731.550	#
34)	L7 AR-1260-4	8.243	7.180	105.3E6	573.5E6	1681.746m	1970.853	
35)	L7 AR-1260-5	8.571	7.419	161.3E6	1502.2E6	1423.342	1983.310	#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081325\
Data File : PP074345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 14:16
Operator : YP\AJ
Sample : Q2832-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

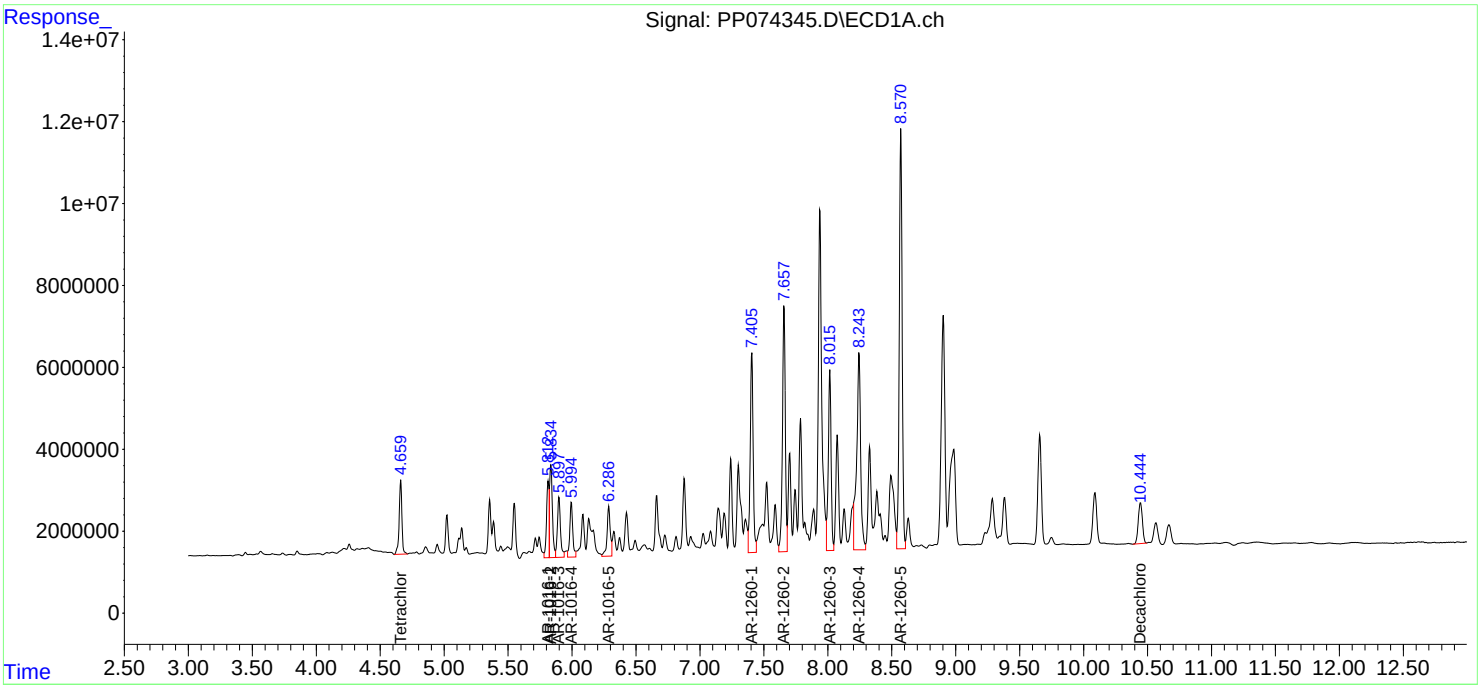
Instrument :
ECD_P
ClientSampleId :
TG-S02MSD

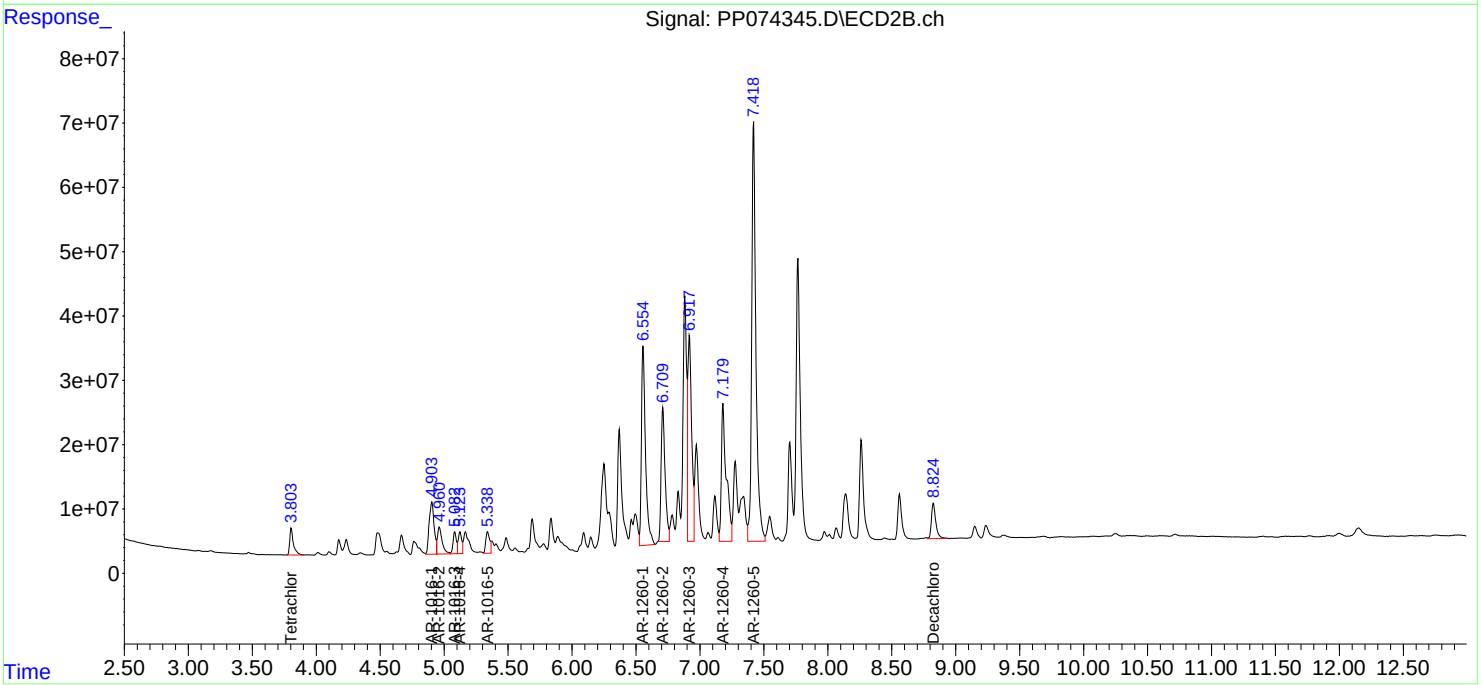
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 15:43:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Manual Integration Report

Sequence:	PO072325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO112417.D	AR-1260-1	yogesh	7/24/2025 7:42:50 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC250	PO112417.D	AR-1260-1 #2	yogesh	7/24/2025 7:42:50 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC250	PO112417.D	AR-1260-2	yogesh	7/24/2025 7:42:50 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC250	PO112417.D	AR-1260-3 #2	yogesh	7/24/2025 7:42:50 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC050	PO112418.D	AR-1016-5	yogesh	7/24/2025 7:42:52 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC050	PO112418.D	AR-1016-5 #2	yogesh	7/24/2025 7:42:52 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC050	PO112418.D	AR-1260-1 #2	yogesh	7/24/2025 7:42:52 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1660ICC050	PO112418.D	AR-1260-3 #2	yogesh	7/24/2025 7:42:52 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC250	PO112424.D	AR-1242-5	yogesh	7/24/2025 7:42:53 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC250	PO112424.D	AR-1242-5 #2	yogesh	7/24/2025 7:42:53 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC050	PO112425.D	AR-1242-5	yogesh	7/24/2025 7:42:55 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC050	PO112425.D	AR-1242-5 #2	yogesh	7/24/2025 7:42:55 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1242ICC050	PO112425.D	Tetrachloro-m-xylene #2	yogesh	7/24/2025 7:42:55 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO072325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PO112430.D	AR-1248-4	yogesh	7/24/2025 7:42:57 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1248ICC050	PO112430.D	AR-1248-4 #2	yogesh	7/24/2025 7:42:57 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1248ICC050	PO112430.D	AR-1248-5	yogesh	7/24/2025 7:42:57 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1248ICC050	PO112430.D	AR-1248-5 #2	yogesh	7/24/2025 7:42:57 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-1	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-1 #2	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-2	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-2 #2	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software
AR1254ICC050	PO112435.D	AR-1254-3 #2	yogesh	7/24/2025 7:42:59 AM	mohammad	7/25/2025 3:53:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO081325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO112896.D	AR-1260-3 #2	yogesh	8/14/2025 7:41:12 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
AR1248CCC500	PO112898.D	AR-1248-1	yogesh	8/14/2025 7:41:13 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
Q2832-07	PO112903.D	AR-1260-3 #2	yogesh	8/14/2025 7:41:17 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
Q2832-07	PO112903.D	Tetrachloro-m-xylene	yogesh	8/14/2025 7:41:17 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
Q2832-07	PO112903.D	Tetrachloro-m-xylene #2	yogesh	8/14/2025 7:41:17 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
Q2832-09	PO112904.D	Decachlorobiphenyl #2	yogesh	8/14/2025 7:41:19 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
AR1660CCC500	PO112911.D	AR-1260-3 #2	yogesh	8/14/2025 7:41:32 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
AR1242CCC500	PO112912.D	AR-1242-1	yogesh	8/14/2025 1:08:41 PM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
AR1242CCC500	PO112912.D	AR-1242-2	yogesh	8/14/2025 1:08:41 PM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
AR1248CCC500	PO112913.D	AR-1248-1	yogesh	8/14/2025 7:41:35 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
AR1660CCC500	PO112924.D	AR-1260-3 #2	yogesh	8/14/2025 7:41:41 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software
AR1242CCC500	PO112925.D	AR-1242-1	yogesh	8/14/2025 7:41:42 AM	mohammad	8/18/2025 1:43:05	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO081325	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	PO081425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO112930.D	AR-1016-3 #2	yogesh	8/14/2025 3:02:36 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1660CCC500	PO112930.D	AR-1016-4 #2	yogesh	8/14/2025 3:02:36 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1660CCC500	PO112930.D	AR-1260-3 #2	yogesh	8/14/2025 3:02:36 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
Q2832-07DL	PO112937.D	Tetrachloro-m-xylene	yogesh	8/14/2025 3:02:41 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
Q2832-07DL	PO112937.D	Tetrachloro-m-xylene #2	yogesh	8/14/2025 3:02:41 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1660CCC500	PO112945.D	AR-1260-3 #2	yogesh	8/15/2025 7:32:25 AM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1660CCC500	PO112960.D	AR-1016-1	yogesh	8/15/2025 2:39:30 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1660CCC500	PO112960.D	AR-1016-2	yogesh	8/15/2025 2:39:30 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1660CCC500	PO112960.D	AR-1016-3 #2	yogesh	8/15/2025 2:39:30 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1660CCC500	PO112960.D	AR-1016-4 #2	yogesh	8/15/2025 2:39:30 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1660CCC500	PO112960.D	AR-1260-3 #2	yogesh	8/15/2025 2:39:30 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1242CCC500	PO112961.D	AR-1242-1	yogesh	8/15/2025 2:39:31 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1242CCC500	PO112961.D	AR-1242-2	yogesh	8/15/2025 2:39:31 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO081425	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO112961.D	AR-1242-3 #2	yogesh	8/15/2025 2:39:31 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software
AR1248CCC500	PO112962.D	AR-1248-1	yogesh	8/15/2025 2:39:33 PM	mohammad	8/18/2025 1:44:19	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP080125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP074171.D	AR-1016-5	yogesh	8/5/2025 7:23:21 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC250	PP074171.D	AR-1260-1	yogesh	8/5/2025 7:23:21 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC250	PP074171.D	AR-1260-2	yogesh	8/5/2025 7:23:21 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	AR-1260-2	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	AR-1260-2 #2	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	AR-1260-4	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	Tetrachloro-m-xylene	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1660ICC050	PP074172.D	Tetrachloro-m-xylene #2	yogesh	8/5/2025 7:22:19 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1232ICC500	PP074174.D	AR-1232-4 #2	yogesh	8/5/2025 7:22:20 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC1000	PP074175.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:22 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC750	PP074176.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:24 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC500	PP074177.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:27 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC250	PP074178.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:29 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP080125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC250	PP074178.D	AR-1242-5	yogesh	8/5/2025 7:22:29 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC050	PP074179.D	AR-1242-5	yogesh	8/5/2025 7:22:32 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC050	PP074179.D	Tetrachloro-m-xylene	yogesh	8/5/2025 7:22:32 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICC050	PP074179.D	Tetrachloro-m-xylene #2	yogesh	8/5/2025 7:22:32 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1248ICC500	PP074182.D	AR-1248-3 #2	yogesh	8/5/2025 7:22:38 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC1000	PP074185.D	AR-1254-1	yogesh	8/5/2025 7:22:44 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC1000	PP074185.D	AR-1254-5 #2	yogesh	8/5/2025 7:22:44 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC750	PP074186.D	AR-1254-1	yogesh	8/5/2025 7:22:45 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC500	PP074187.D	AR-1254-1	yogesh	8/5/2025 7:22:47 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC250	PP074188.D	AR-1254-1	yogesh	8/5/2025 7:22:49 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1254ICC050	PP074189.D	AR-1254-1	yogesh	8/5/2025 7:22:51 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1242ICV500	PP074197.D	AR-1242-4 #2	yogesh	8/5/2025 7:22:52 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software
AR1248ICV500	PP074198.D	AR-1248-3 #2	yogesh	8/5/2025 7:22:54 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP080125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICV500	PP074199.D	AR-1254-1	yogesh	8/8/2025 7:32:21 AM	mohammad	8/8/2025 7:37:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP074335.D	AR-1242-2 #2	yogesh	8/14/2025 7:43:22 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1242CCC500	PP074335.D	AR-1242-3 #2	yogesh	8/14/2025 7:43:22 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1242CCC500	PP074335.D	AR-1242-4 #2	yogesh	8/14/2025 7:43:22 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1242CCC500	PP074335.D	AR-1242-5 #2	yogesh	8/14/2025 7:43:22 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1242CCC500	PP074335.D	Tetrachloro-m-xylene #2	yogesh	8/14/2025 7:43:22 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1254CCC500	PP074336.D	AR-1254-1	yogesh	8/14/2025 7:43:24 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1254CCC500	PP074336.D	AR-1254-1 #2	yogesh	8/14/2025 7:43:24 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1254CCC500	PP074336.D	AR-1254-3 #2	yogesh	8/14/2025 7:43:24 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
PB169227BS	PP074340.D	AR-1260-4	yogesh	8/14/2025 7:43:27 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-01	PP074342.D	AR-1260-1 #2	yogesh	8/14/2025 7:43:31 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-01	PP074342.D	AR-1260-2 #2	yogesh	8/14/2025 7:43:31 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-01	PP074342.D	AR-1260-4	yogesh	8/14/2025 7:43:31 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-03	PP074343.D	AR-1260-1	yogesh	8/14/2025 7:43:34 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2832-03	PP074343.D	AR-1260-1 #2	yogesh	8/14/2025 7:43:34 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-03	PP074343.D	AR-1260-2	yogesh	8/14/2025 7:43:34 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-03	PP074343.D	AR-1260-3	yogesh	8/14/2025 7:43:34 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-03	PP074343.D	AR-1260-4	yogesh	8/14/2025 7:43:34 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-03	PP074343.D	AR-1260-5	yogesh	8/14/2025 7:43:34 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-03MS	PP074344.D	AR-1260-4	yogesh	8/14/2025 7:43:36 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-03MSD	PP074345.D	AR-1260-4	yogesh	8/14/2025 7:44:31 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
Q2832-05	PP074346.D	Tetrachloro-m-xylene	yogesh	8/14/2025 7:43:41 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1242CCC500	PP074349.D	AR-1242-4 #2	yogesh	8/14/2025 7:43:43 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1254CCC500	PP074350.D	AR-1254-1	yogesh	8/14/2025 7:43:45 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1254CCC500	PP074350.D	AR-1254-5 #2	yogesh	8/14/2025 7:43:45 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1660CCC500	PP074362.D	AR-1016-5 #2	yogesh	8/14/2025 7:44:07 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1660CCC500	PP074362.D	Tetrachloro-m-xylene #2	yogesh	8/14/2025 7:44:07 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP074363.D	AR-1242-4 #2	yogesh	8/14/2025 7:44:08 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1254CCC500	PP074364.D	AR-1254-1	yogesh	8/14/2025 7:44:10 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1242CCC500	PP074369.D	AR-1242-4 #2	yogesh	8/14/2025 7:44:12 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software
AR1254CCC500	PP074370.D	AR-1254-1	yogesh	8/14/2025 7:44:14 AM	mohammad	8/18/2025 1:43:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP074374.D	AR-1242-4 #2	yogesh	8/14/2025 2:51:11 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074375.D	AR-1254-1	yogesh	8/14/2025 2:51:13 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074375.D	AR-1254-1 #2	yogesh	8/14/2025 2:51:13 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074375.D	AR-1254-3 #2	yogesh	8/14/2025 2:51:13 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
Q2832-03DL	PP074381.D	AR-1260-1 #2	yogesh	8/14/2025 2:51:20 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1242CCC500	PP074388.D	AR-1242-4 #2	yogesh	8/15/2025 1:02:42 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074389.D	AR-1254-1	yogesh	8/15/2025 1:02:44 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074389.D	AR-1254-1 #2	yogesh	8/15/2025 1:02:44 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074389.D	AR-1254-3 #2	yogesh	8/15/2025 1:02:44 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1242CCC500	PP074402.D	AR-1242-4 #2	yogesh	8/15/2025 1:02:55 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074403.D	AR-1254-1	yogesh	8/15/2025 1:02:57 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074403.D	AR-1254-1 #2	yogesh	8/15/2025 1:02:57 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software
AR1254CCC500	PP074403.D	AR-1254-3 #2	yogesh	8/15/2025 1:02:57 PM	mohammad	8/18/2025 1:44:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

Review By	yogesh	Review On	7/23/2025 3:39:31 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:10 AM		
SubDirectory	PO072325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO112412.D	23 Jul 2025 10:56	YP/AJ	Ok
2	I.BLK	PO112413.D	23 Jul 2025 11:14	YP/AJ	Ok
3	AR1660ICC1000	PO112414.D	23 Jul 2025 11:32	YP/AJ	Ok
4	AR1660ICC750	PO112415.D	23 Jul 2025 11:50	YP/AJ	Ok
5	AR1660ICC500	PO112416.D	23 Jul 2025 12:08	YP/AJ	Ok
6	AR1660ICC250	PO112417.D	23 Jul 2025 12:27	YP/AJ	Ok,M
7	AR1660ICC050	PO112418.D	23 Jul 2025 12:45	YP/AJ	Ok,M
8	AR1221ICC500	PO112419.D	23 Jul 2025 13:03	YP/AJ	Ok
9	AR1232ICC500	PO112420.D	23 Jul 2025 13:22	YP/AJ	Ok
10	AR1242ICC1000	PO112421.D	23 Jul 2025 13:40	YP/AJ	Ok
11	AR1242ICC750	PO112422.D	23 Jul 2025 13:59	YP/AJ	Ok
12	AR1242ICC500	PO112423.D	23 Jul 2025 14:17	YP/AJ	Ok
13	AR1242ICC250	PO112424.D	23 Jul 2025 14:36	YP/AJ	Ok,M
14	AR1242ICC050	PO112425.D	23 Jul 2025 14:54	YP/AJ	Ok,M
15	AR1248ICC1000	PO112426.D	23 Jul 2025 15:13	YP/AJ	Ok
16	AR1248ICC750	PO112427.D	23 Jul 2025 15:31	YP/AJ	Ok
17	AR1248ICC500	PO112428.D	23 Jul 2025 15:48	YP/AJ	Ok
18	AR1248ICC250	PO112429.D	23 Jul 2025 16:07	YP/AJ	Ok
19	AR1248ICC050	PO112430.D	23 Jul 2025 16:25	YP/AJ	Ok,M
20	AR1254ICC1000	PO112431.D	23 Jul 2025 16:44	YP/AJ	Ok
21	AR1254ICC750	PO112432.D	23 Jul 2025 17:02	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

Review By	yogesh	Review On	7/23/2025 3:39:31 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:10 AM		
SubDirectory	PO072325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO112433.D	23 Jul 2025 17:21	YP/AJ	Ok
23	AR1254ICC250	PO112434.D	23 Jul 2025 17:39	YP/AJ	Ok
24	AR1254ICC050	PO112435.D	23 Jul 2025 17:57	YP/AJ	Ok,M
25	AR1262ICC500	PO112436.D	23 Jul 2025 18:16	YP/AJ	Ok
26	AR1268ICC1000	PO112437.D	23 Jul 2025 18:34	YP/AJ	Ok
27	AR1268ICC750	PO112438.D	23 Jul 2025 18:53	YP/AJ	Ok
28	AR1268ICC500	PO112439.D	23 Jul 2025 19:11	YP/AJ	Ok
29	AR1268ICC250	PO112440.D	23 Jul 2025 19:28	YP/AJ	Ok
30	AR1268ICC050	PO112441.D	23 Jul 2025 19:47	YP/AJ	Ok
31	PO072325ICV500	PO112442.D	23 Jul 2025 20:05	YP/AJ	Ok
32	AR1242ICV500	PO112443.D	23 Jul 2025 20:42	YP/AJ	Ok
33	AR1248ICV500	PO112444.D	23 Jul 2025 21:18	YP/AJ	Ok
34	AR1254ICV500	PO112445.D	23 Jul 2025 21:54	YP/AJ	Ok
35	AR1268ICV500	PO112446.D	23 Jul 2025 22:31	YP/AJ	Ok
36	DDT ANALOG	PO112447.D	23 Jul 2025 23:07	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081325

Review By	yogesh	Review On	8/13/2025 9:51:01 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:05 AM		
SubDirectory	PO081325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO112895.D	13 Aug 2025 08:40	YP/AJ	Ok
2	AR1660CCC500	PO112896.D	13 Aug 2025 08:59	YP/AJ	Ok,M
3	AR1242CCC500	PO112897.D	13 Aug 2025 09:17	YP/AJ	Ok
4	AR1248CCC500	PO112898.D	13 Aug 2025 09:34	YP/AJ	Ok,M
5	AR1254CCC500	PO112899.D	13 Aug 2025 09:52	YP/AJ	Ok
6	I.BLK	PO112900.D	13 Aug 2025 10:10	YP/AJ	Ok
7	DDT ANALOG	PO112901.D	13 Aug 2025 10:29	YP/AJ	Ok
8	Q2827-01DL	PO112902.D	13 Aug 2025 10:46	YP/AJ	Ok,M
9	Q2832-07	PO112903.D	13 Aug 2025 12:39	YP/AJ	Dilution
10	Q2832-09	PO112904.D	13 Aug 2025 12:58	YP/AJ	Ok,M
11	Q2836-02	PO112905.D	13 Aug 2025 13:15	YP/AJ	Ok,M
12	Q2836-06	PO112906.D	13 Aug 2025 13:34	YP/AJ	Ok,M
13	Q2836-10	PO112907.D	13 Aug 2025 13:52	YP/AJ	Ok,M
14	Q2836-14	PO112908.D	13 Aug 2025 14:09	YP/AJ	Ok,M
15	Q2838-01	PO112909.D	13 Aug 2025 14:28	YP/AJ	Ok,M
16	Q2838-05	PO112910.D	13 Aug 2025 14:45	YP/AJ	Ok
17	AR1660CCC500	PO112911.D	13 Aug 2025 15:57	YP/AJ	Ok,M
18	AR1242CCC500	PO112912.D	13 Aug 2025 16:14	YP/AJ	Ok,M
19	AR1248CCC500	PO112913.D	13 Aug 2025 16:32	YP/AJ	Ok,M
20	AR1254CCC500	PO112914.D	13 Aug 2025 16:49	YP/AJ	Ok
21	I.BLK	PO112915.D	13 Aug 2025 17:07	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081325

Review By	yogesh	Review On	8/13/2025 9:51:01 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:05 AM		
SubDirectory	PO081325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2814-16	PO112916.D	13 Aug 2025 17:24	YP/AJ	Ok
23	Q2814-01	PO112917.D	13 Aug 2025 17:41	YP/AJ	Ok
24	Q2840-01	PO112918.D	13 Aug 2025 17:59	YP/AJ	Ok
25	Q2840-02	PO112919.D	13 Aug 2025 18:16	YP/AJ	Ok,M
26	Q2814-03	PO112920.D	13 Aug 2025 18:33	YP/AJ	Ok
27	Q2814-17	PO112921.D	13 Aug 2025 18:51	YP/AJ	ReRun
28	Q2815-01	PO112922.D	13 Aug 2025 19:08	YP/AJ	Ok
29	Q2815-11	PO112923.D	13 Aug 2025 19:26	YP/AJ	Ok
30	AR1660CCC500	PO112924.D	13 Aug 2025 20:35	YP/AJ	Ok,M
31	AR1242CCC500	PO112925.D	13 Aug 2025 21:27	YP/AJ	Ok,M
32	AR1248CCC500	PO112926.D	13 Aug 2025 21:45	YP/AJ	Ok
33	AR1254CCC500	PO112927.D	13 Aug 2025 22:02	YP/AJ	Ok
34	I.BLK	PO112928.D	13 Aug 2025 22:19	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081425

Review By	yogesh	Review On	8/14/2025 11:39:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:19 AM		
SubDirectory	PO081425	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO112929.D	14 Aug 2025 08:14	YP/AJ	Ok
2	AR1660CCC500	PO112930.D	14 Aug 2025 08:33	YP/AJ	Ok,M
3	AR1242CCC500	PO112931.D	14 Aug 2025 08:51	YP/AJ	Ok
4	AR1248CCC500	PO112932.D	14 Aug 2025 09:10	YP/AJ	Ok
5	AR1254CCC500	PO112933.D	14 Aug 2025 09:28	YP/AJ	Ok
6	I.BLK	PO112934.D	14 Aug 2025 09:46	YP/AJ	Ok
7	DDT ANALOG	PO112935.D	14 Aug 2025 10:05	YP/AJ	Ok
8	Q2814-17	PO112936.D	14 Aug 2025 10:23	YP/AJ	Ok,M
9	Q2832-07DL	PO112937.D	14 Aug 2025 10:42	YP/AJ	Ok,M
10	Q2854-01	PO112938.D	14 Aug 2025 12:28	YP/AJ	Ok,M
11	Q2854-02	PO112939.D	14 Aug 2025 12:47	YP/AJ	Ok,M
12	Q2863-01	PO112940.D	14 Aug 2025 13:04	YP/AJ	Ok,M
13	Q2857-05	PO112941.D	14 Aug 2025 13:23	YP/AJ	Ok,M
14	Q2857-06	PO112942.D	14 Aug 2025 13:40	YP/AJ	Ok,M
15	Q2857-07	PO112943.D	14 Aug 2025 13:57	YP/AJ	Ok
16	Q2857-08	PO112944.D	14 Aug 2025 14:16	YP/AJ	Ok
17	AR1660CCC500	PO112945.D	14 Aug 2025 15:27	YP/AJ	Ok,M
18	AR1242CCC500	PO112946.D	14 Aug 2025 15:44	YP/AJ	Ok
19	AR1248CCC500	PO112947.D	14 Aug 2025 16:03	YP/AJ	Ok
20	AR1254CCC500	PO112948.D	14 Aug 2025 16:20	YP/AJ	Ok
21	I.BLK	PO112949.D	14 Aug 2025 16:37	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081425

Review By	yogesh	Review On	8/14/2025 11:39:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:19 AM		
SubDirectory	PO081425	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2857-09	PO112950.D	14 Aug 2025 16:55	YP/AJ	Ok
23	Q2857-10	PO112951.D	14 Aug 2025 17:12	YP/AJ	Ok
24	Q2853-01	PO112952.D	14 Aug 2025 17:30	YP/AJ	Ok
25	Q2855-01	PO112953.D	14 Aug 2025 17:48	YP/AJ	Ok,M
26	Q2857-03	PO112954.D	14 Aug 2025 18:05	YP/AJ	Ok
27	Q2844-09	PO112955.D	14 Aug 2025 18:23	YP/AJ	Ok
28	Q2844-11	PO112956.D	14 Aug 2025 18:40	YP/AJ	Ok
29	Q2847-01	PO112957.D	14 Aug 2025 18:57	YP/AJ	Ok
30	Q2847-02	PO112958.D	14 Aug 2025 19:15	YP/AJ	Ok
31	Q2844-06	PO112959.D	14 Aug 2025 19:33	YP/AJ	Not Ok
32	AR1660CCC500	PO112960.D	14 Aug 2025 20:46	YP/AJ	Ok,M
33	AR1242CCC500	PO112961.D	14 Aug 2025 21:38	YP/AJ	Ok,M
34	AR1248CCC500	PO112962.D	14 Aug 2025 21:55	YP/AJ	Ok,M
35	AR1254CCC500	PO112963.D	14 Aug 2025 22:13	YP/AJ	Ok
36	I.BLK	PO112964.D	14 Aug 2025 22:31	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

Review By	yogesh	Review On	8/1/2025 3:30:36 PM		
Supervise By	mohammad	Supervise On	8/8/2025 7:37:53 AM		
SubDirectory	PP080125	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP074166.D	01 Aug 2025 11:33	YP\AJ	Ok
2	I.BLK	PP074167.D	01 Aug 2025 11:49	YP\AJ	Ok
3	AR1660ICC1000	PP074168.D	01 Aug 2025 12:05	YP\AJ	Ok
4	AR1660ICC750	PP074169.D	01 Aug 2025 12:22	YP\AJ	Ok
5	AR1660ICC500	PP074170.D	01 Aug 2025 12:38	YP\AJ	Ok
6	AR1660ICC250	PP074171.D	01 Aug 2025 12:54	YP\AJ	Ok,M
7	AR1660ICC050	PP074172.D	01 Aug 2025 13:42	YP\AJ	Ok,M
8	AR1221ICC500	PP074173.D	01 Aug 2025 13:58	YP\AJ	Ok
9	AR1232ICC500	PP074174.D	01 Aug 2025 14:15	YP\AJ	Ok,M
10	AR1242ICC1000	PP074175.D	01 Aug 2025 14:31	YP\AJ	Ok,M
11	AR1242ICC750	PP074176.D	01 Aug 2025 14:47	YP\AJ	Ok,M
12	AR1242ICC500	PP074177.D	01 Aug 2025 15:03	YP\AJ	Ok,M
13	AR1242ICC250	PP074178.D	01 Aug 2025 15:19	YP\AJ	Ok,M
14	AR1242ICC050	PP074179.D	01 Aug 2025 15:36	YP\AJ	Ok,M
15	AR1248ICC1000	PP074180.D	01 Aug 2025 16:24	YP\AJ	Not Ok
16	AR1248ICC750	PP074181.D	01 Aug 2025 16:41	YP\AJ	Not Ok
17	AR1248ICC500	PP074182.D	01 Aug 2025 16:57	YP\AJ	Ok,M
18	AR1248ICC250	PP074183.D	01 Aug 2025 17:13	YP\AJ	Not Ok
19	AR1248ICC050	PP074184.D	01 Aug 2025 17:45	YP\AJ	Not Ok
20	AR1254ICC1000	PP074185.D	01 Aug 2025 18:02	YP\AJ	Ok,M
21	AR1254ICC750	PP074186.D	01 Aug 2025 18:18	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

Review By	yogesh	Review On	8/1/2025 3:30:36 PM		
Supervise By	mohammad	Supervise On	8/8/2025 7:37:53 AM		
SubDirectory	PP080125	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP074187.D	01 Aug 2025 18:34	YP\AJ	Ok,M
23	AR1254ICC250	PP074188.D	01 Aug 2025 18:50	YP\AJ	Ok,M
24	AR1254ICC050	PP074189.D	01 Aug 2025 19:23	YP\AJ	Ok,M
25	AR1262ICC500	PP074190.D	01 Aug 2025 19:39	YP\AJ	Ok
26	AR1268ICC1000	PP074191.D	01 Aug 2025 19:55	YP\AJ	Not Ok
27	AR1268ICC750	PP074192.D	01 Aug 2025 20:11	YP\AJ	Not Ok
28	AR1268ICC500	PP074193.D	01 Aug 2025 20:28	YP\AJ	Ok
29	AR1268ICC250	PP074194.D	01 Aug 2025 20:44	YP\AJ	Not Ok
30	AR1268ICC050	PP074195.D	01 Aug 2025 21:00	YP\AJ	Not Ok
31	PP080125ICV500	PP074196.D	01 Aug 2025 21:16	YP\AJ	Ok
32	AR1242ICV500	PP074197.D	01 Aug 2025 22:05	YP\AJ	Ok,M
33	AR1248ICV500	PP074198.D	01 Aug 2025 22:37	YP\AJ	Not Ok
34	AR1254ICV500	PP074199.D	01 Aug 2025 23:10	YP\AJ	Ok,M
35	AR1268ICV500	PP074200.D	01 Aug 2025 23:42	YP\AJ	Not Ok
36	DDT ANALOG	PP074201.D	02 Aug 2025 00:15	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081325

Review By	yogesh	Review On	8/13/2025 9:52:10 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:29 AM		
SubDirectory	PP081325	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP074333.D	13 Aug 2025 08:47	YP\AJ	Ok
2	AR1660CCC500	PP074334.D	13 Aug 2025 09:04	YP\AJ	Ok
3	AR1242CCC500	PP074335.D	13 Aug 2025 09:35	YP\AJ	Ok,M
4	AR1254CCC500	PP074336.D	13 Aug 2025 09:51	YP\AJ	Ok,M
5	I.BLK	PP074337.D	13 Aug 2025 10:07	YP\AJ	Ok
6	DDT ANALOG	PP074338.D	13 Aug 2025 10:23	YP\AJ	Ok
7	PB169227BL	PP074339.D	13 Aug 2025 12:38	YP\AJ	Not Ok
8	PB169227BS	PP074340.D	13 Aug 2025 12:55	YP\AJ	Ok,M
9	Q2732-02	PP074341.D	13 Aug 2025 13:11	YP\AJ	Ok,M
10	Q2832-01	PP074342.D	13 Aug 2025 13:27	YP\AJ	Ok,M
11	Q2832-03	PP074343.D	13 Aug 2025 13:44	YP\AJ	Dilution
12	Q2832-03MS	PP074344.D	13 Aug 2025 14:00	YP\AJ	Ok,M
13	Q2832-03MSD	PP074345.D	13 Aug 2025 14:16	YP\AJ	Ok,M
14	Q2832-05	PP074346.D	13 Aug 2025 14:32	YP\AJ	Dilution
15	Q2820-09	PP074347.D	13 Aug 2025 15:05	YP\AJ	Not Ok
16	AR1660CCC500	PP074348.D	13 Aug 2025 15:54	YP\AJ	Ok
17	AR1242CCC500	PP074349.D	13 Aug 2025 16:10	YP\AJ	Ok,M
18	AR1254CCC500	PP074350.D	13 Aug 2025 16:26	YP\AJ	Ok,M
19	I.BLK	PP074351.D	13 Aug 2025 16:42	YP\AJ	Ok
20	PB169224BL	PP074352.D	13 Aug 2025 16:59	YP\AJ	Ok
21	PB169224BS	PP074353.D	13 Aug 2025 17:15	YP\AJ	Not Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081325

Review By	yogesh	Review On	8/13/2025 9:52:10 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:29 AM		
SubDirectory	PP081325	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB169224BSD	PP074354.D	13 Aug 2025 17:31	YP\AJ	Not Ok
23	Q2815-21	PP074355.D	13 Aug 2025 17:47	YP\AJ	Ok,M
24	Q2815-23	PP074356.D	13 Aug 2025 18:04	YP\AJ	Ok,M
25	Q2815-26	PP074357.D	13 Aug 2025 18:20	YP\AJ	Ok,M
26	Q2821-05	PP074358.D	13 Aug 2025 18:36	YP\AJ	Ok,M
27	Q2821-08	PP074359.D	13 Aug 2025 18:52	YP\AJ	Ok,M
28	Q2821-09	PP074360.D	13 Aug 2025 19:09	YP\AJ	Not Ok
29	Q2822-01	PP074361.D	13 Aug 2025 19:25	YP\AJ	Ok,M
30	AR1660CCC500	PP074362.D	13 Aug 2025 20:30	YP\AJ	Ok,M
31	AR1242CCC500	PP074363.D	13 Aug 2025 21:19	YP\AJ	Ok,M
32	AR1254CCC500	PP074364.D	13 Aug 2025 21:35	YP\AJ	Ok,M
33	I.BLK	PP074365.D	13 Aug 2025 21:52	YP\AJ	Ok
34	PB169227BL	PP074366.D	13 Aug 2025 22:08	YP\AJ	Ok
35	Q2820-09	PP074367.D	13 Aug 2025 22:24	YP\AJ	Ok
36	AR1660CCC500	PP074368.D	13 Aug 2025 23:30	YP\AJ	Ok
37	AR1242CCC500	PP074369.D	14 Aug 2025 00:18	YP\AJ	Ok,M
38	AR1254CCC500	PP074370.D	14 Aug 2025 00:35	YP\AJ	Ok,M
39	I.BLK	PP074371.D	14 Aug 2025 00:51	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081425

Review By	yogesh	Review On	8/14/2025 11:38:09 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:12 AM		
SubDirectory	PP081425	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP074372.D	14 Aug 2025 08:11	YP\AJ	Ok
2	AR1660CCC500	PP074373.D	14 Aug 2025 08:27	YP\AJ	Ok
3	AR1242CCC500	PP074374.D	14 Aug 2025 08:44	YP\AJ	Ok,M
4	AR1254CCC500	PP074375.D	14 Aug 2025 09:00	YP\AJ	Ok,M
5	I.BLK	PP074376.D	14 Aug 2025 09:17	YP\AJ	Ok
6	DDT ANALOG	PP074377.D	14 Aug 2025 09:33	YP\AJ	Ok
7	PB169224BS	PP074378.D	14 Aug 2025 09:49	YP\AJ	Ok,M
8	PB169224BSD	PP074379.D	14 Aug 2025 10:06	YP\AJ	Ok,M
9	Q2821-09	PP074380.D	14 Aug 2025 10:22	YP\AJ	Ok,M
10	Q2832-03DL	PP074381.D	14 Aug 2025 10:38	YP\AJ	Ok,M
11	Q2832-05DL	PP074382.D	14 Aug 2025 10:55	YP\AJ	Ok
12	Q2863-02	PP074383.D	14 Aug 2025 12:27	YP\AJ	Ok,M
13	Q2863-03	PP074384.D	14 Aug 2025 12:44	YP\AJ	Ok,M
14	Q2863-04	PP074385.D	14 Aug 2025 13:00	YP\AJ	Ok,M
15	Q2863-05	PP074386.D	14 Aug 2025 13:16	YP\AJ	Ok,M
16	AR1660CCC500	PP074387.D	14 Aug 2025 14:22	YP\AJ	Ok
17	AR1242CCC500	PP074388.D	14 Aug 2025 14:38	YP\AJ	Ok,M
18	AR1254CCC500	PP074389.D	14 Aug 2025 14:54	YP\AJ	Ok,M
19	I.BLK	PP074390.D	14 Aug 2025 15:11	YP\AJ	Ok
20	PB169240BL	PP074391.D	14 Aug 2025 15:27	YP\AJ	Ok
21	PB169240BS	PP074392.D	14 Aug 2025 15:43	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081425

Review By	yogesh	Review On	8/14/2025 11:38:09 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:12 AM		
SubDirectory	PP081425	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB169245BL	PP074393.D	14 Aug 2025 16:00	YP\AJ	Ok
23	PB169245BS	PP074394.D	14 Aug 2025 16:16	YP\AJ	Ok,M
24	Q2844-01	PP074395.D	14 Aug 2025 16:32	YP\AJ	Ok,M
25	Q2844-02	PP074396.D	14 Aug 2025 16:49	YP\AJ	Ok
26	Q2844-04	PP074397.D	14 Aug 2025 17:05	YP\AJ	Ok
27	Q2858-01	PP074398.D	14 Aug 2025 17:21	YP\AJ	Ok,M
28	Q2858-01MS	PP074399.D	14 Aug 2025 17:37	YP\AJ	Ok,M
29	Q2858-01MSD	PP074400.D	14 Aug 2025 17:54	YP\AJ	Ok,M
30	AR1660CCC500	PP074401.D	14 Aug 2025 18:59	YP\AJ	Ok
31	AR1242CCC500	PP074402.D	14 Aug 2025 19:48	YP\AJ	Ok,M
32	AR1254CCC500	PP074403.D	14 Aug 2025 20:04	YP\AJ	Ok,M
33	I.BLK	PP074404.D	14 Aug 2025 20:21	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

Review By	yogesh	Review On	7/23/2025 3:39:31 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:10 AM		
SubDirectory	PO072325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO112412.D	23 Jul 2025 10:56		YP/AJ	Ok
2	I.BLK	I.BLK	PO112413.D	23 Jul 2025 11:14		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO112414.D	23 Jul 2025 11:32		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO112415.D	23 Jul 2025 11:50		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO112416.D	23 Jul 2025 12:08		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO112417.D	23 Jul 2025 12:27		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO112418.D	23 Jul 2025 12:45		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO112419.D	23 Jul 2025 13:03		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO112420.D	23 Jul 2025 13:22		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO112421.D	23 Jul 2025 13:40		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO112422.D	23 Jul 2025 13:59		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO112423.D	23 Jul 2025 14:17		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO112424.D	23 Jul 2025 14:36		YP/AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PO112425.D	23 Jul 2025 14:54		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO112426.D	23 Jul 2025 15:13		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO112427.D	23 Jul 2025 15:31		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO112428.D	23 Jul 2025 15:48		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO112429.D	23 Jul 2025 16:07		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

Review By	yogesh	Review On	7/23/2025 3:39:31 PM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:10 AM		
SubDirectory	PO072325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO112430.D	23 Jul 2025 16:25		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO112431.D	23 Jul 2025 16:44		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO112432.D	23 Jul 2025 17:02		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO112433.D	23 Jul 2025 17:21		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO112434.D	23 Jul 2025 17:39		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO112435.D	23 Jul 2025 17:57		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO112436.D	23 Jul 2025 18:16		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO112437.D	23 Jul 2025 18:34		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO112438.D	23 Jul 2025 18:53		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO112439.D	23 Jul 2025 19:11		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO112440.D	23 Jul 2025 19:28		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO112441.D	23 Jul 2025 19:47		YP/AJ	Ok
31	PO072325ICV500	ICVPO072325	PO112442.D	23 Jul 2025 20:05		YP/AJ	Ok
32	AR1242ICV500	ICVPO072325AR1242	PO112443.D	23 Jul 2025 20:42		YP/AJ	Ok
33	AR1248ICV500	ICVPO072325AR1248	PO112444.D	23 Jul 2025 21:18		YP/AJ	Ok
34	AR1254ICV500	ICVPO072325AR1254	PO112445.D	23 Jul 2025 21:54		YP/AJ	Ok
35	AR1268ICV500	ICVPO072325AR1268	PO112446.D	23 Jul 2025 22:31		YP/AJ	Ok
36	DDT ANALOG	DDT ANALOG	PO112447.D	23 Jul 2025 23:07		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081325

Review By	yogesh	Review On	8/13/2025 9:51:01 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:05 AM		
SubDirectory	PO081325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO112895.D	13 Aug 2025 08:40		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO112896.D	13 Aug 2025 08:59		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO112897.D	13 Aug 2025 09:17		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO112898.D	13 Aug 2025 09:34		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO112899.D	13 Aug 2025 09:52		YP/AJ	Ok
6	I.BLK	I.BLK	PO112900.D	13 Aug 2025 10:10		YP/AJ	Ok
7	DDT ANALOG	DDT ANALOG	PO112901.D	13 Aug 2025 10:29		YP/AJ	Ok
8	Q2827-01DL	TP-8DL	PO112902.D	13 Aug 2025 10:46	AR1248 & AR1260 hits	YP/AJ	Ok,M
9	Q2832-07	TG-S04	PO112903.D	13 Aug 2025 12:39	AR1260 hit, Need dilution	YP/AJ	Dilution
10	Q2832-09	TG-S05	PO112904.D	13 Aug 2025 12:58		YP/AJ	Ok,M
11	Q2836-02	WC-A2-15-C	PO112905.D	13 Aug 2025 13:15		YP/AJ	Ok,M
12	Q2836-06	WC-A2-16-C	PO112906.D	13 Aug 2025 13:34		YP/AJ	Ok,M
13	Q2836-10	WC-A2-17-C	PO112907.D	13 Aug 2025 13:52		YP/AJ	Ok,M
14	Q2836-14	WC-A5-02-C	PO112908.D	13 Aug 2025 14:09		YP/AJ	Ok,M
15	Q2838-01	TP-11	PO112909.D	13 Aug 2025 14:28		YP/AJ	Ok,M
16	Q2838-05	TP-10	PO112910.D	13 Aug 2025 14:45		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO112911.D	13 Aug 2025 15:57		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO112912.D	13 Aug 2025 16:14		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081325

Review By	yogesh	Review On	8/13/2025 9:51:01 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:05 AM		
SubDirectory	PO081325	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO112913.D	13 Aug 2025 16:32		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO112914.D	13 Aug 2025 16:49		YP/AJ	Ok
21	I.BLK	I.BLK	PO112915.D	13 Aug 2025 17:07		YP/AJ	Ok
22	Q2814-16	FB	PO112916.D	13 Aug 2025 17:24		YP/AJ	Ok
23	Q2814-01	TW-84SB-E	PO112917.D	13 Aug 2025 17:41		YP/AJ	Ok
24	Q2840-01	0804-SOIL	PO112918.D	13 Aug 2025 17:59		YP/AJ	Ok
25	Q2840-02	0804-D	PO112919.D	13 Aug 2025 18:16		YP/AJ	Ok,M
26	Q2814-03	TW-17M-W	PO112920.D	13 Aug 2025 18:33		YP/AJ	Ok
27	Q2814-17	TW-518R-S	PO112921.D	13 Aug 2025 18:51	AR1254 & AR1260 hits, DCB Low in both column	YP/AJ	ReRun
28	Q2815-01	TW-705R-S	PO112922.D	13 Aug 2025 19:08		YP/AJ	Ok
29	Q2815-11	TW-22M-W	PO112923.D	13 Aug 2025 19:26		YP/AJ	Ok
30	AR1660CCC500	AR1660CCC500	PO112924.D	13 Aug 2025 20:35		YP/AJ	Ok,M
31	AR1242CCC500	AR1242CCC500	PO112925.D	13 Aug 2025 21:27		YP/AJ	Ok,M
32	AR1248CCC500	AR1248CCC500	PO112926.D	13 Aug 2025 21:45		YP/AJ	Ok
33	AR1254CCC500	AR1254CCC500	PO112927.D	13 Aug 2025 22:02		YP/AJ	Ok
34	I.BLK	I.BLK	PO112928.D	13 Aug 2025 22:19		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081425

Review By	yogesh	Review On	8/14/2025 11:39:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:19 AM		
SubDirectory	PO081425	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO112929.D	14 Aug 2025 08:14		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO112930.D	14 Aug 2025 08:33		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO112931.D	14 Aug 2025 08:51		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO112932.D	14 Aug 2025 09:10		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO112933.D	14 Aug 2025 09:28		YP/AJ	Ok
6	I.BLK	I.BLK	PO112934.D	14 Aug 2025 09:46		YP/AJ	Ok
7	DDT ANALOG	DDT ANALOG	PO112935.D	14 Aug 2025 10:05		YP/AJ	Ok
8	Q2814-17	TW-518R-S	PO112936.D	14 Aug 2025 10:23	AR1254 hits	YP/AJ	Ok,M
9	Q2832-07DL	TG-S04DL	PO112937.D	14 Aug 2025 10:42	AR1260 hit	YP/AJ	Ok,M
10	Q2854-01	DBA6471-END 1-1	PO112938.D	14 Aug 2025 12:28		YP/AJ	Ok,M
11	Q2854-02	DBA6471-END 1-2	PO112939.D	14 Aug 2025 12:47		YP/AJ	Ok,M
12	Q2863-01	L14A	PO112940.D	14 Aug 2025 13:04		YP/AJ	Ok,M
13	Q2857-05	BC 271327-A	PO112941.D	14 Aug 2025 13:23		YP/AJ	Ok,M
14	Q2857-06	BC 271327-B	PO112942.D	14 Aug 2025 13:40		YP/AJ	Ok,M
15	Q2857-07	KHM339-A	PO112943.D	14 Aug 2025 13:57		YP/AJ	Ok
16	Q2857-08	KHM339-B	PO112944.D	14 Aug 2025 14:16		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO112945.D	14 Aug 2025 15:27		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO112946.D	14 Aug 2025 15:44		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081425

Review By	yogesh	Review On	8/14/2025 11:39:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:19 AM		
SubDirectory	PO081425	HP Acquire Method		HP Processing Method	PO072325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO112947.D	14 Aug 2025 16:03		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO112948.D	14 Aug 2025 16:20		YP/AJ	Ok
21	I.BLK	I.BLK	PO112949.D	14 Aug 2025 16:37		YP/AJ	Ok
22	Q2857-09	BC 223764-A	PO112950.D	14 Aug 2025 16:55		YP/AJ	Ok
23	Q2857-10	BC 223764-B	PO112951.D	14 Aug 2025 17:12		YP/AJ	Ok
24	Q2853-01	Tr-5-081325	PO112952.D	14 Aug 2025 17:30		YP/AJ	Ok
25	Q2855-01	#454	PO112953.D	14 Aug 2025 17:48		YP/AJ	Ok,M
26	Q2857-03	72-12002	PO112954.D	14 Aug 2025 18:05		YP/AJ	Ok
27	Q2844-09	MOO-25-0226	PO112955.D	14 Aug 2025 18:23		YP/AJ	Ok
28	Q2844-11	MOO-25-0228	PO112956.D	14 Aug 2025 18:40		YP/AJ	Ok
29	Q2847-01	BUR-25-0069	PO112957.D	14 Aug 2025 18:57		YP/AJ	Ok
30	Q2847-02	BUR-25-0070	PO112958.D	14 Aug 2025 19:15		YP/AJ	Ok
31	Q2844-06	MOO-25-0223	PO112959.D	14 Aug 2025 19:33	Surrogate fail	YP/AJ	Not Ok
32	AR1660CCC500	AR1660CCC500	PO112960.D	14 Aug 2025 20:46		YP/AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PO112961.D	14 Aug 2025 21:38		YP/AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PO112962.D	14 Aug 2025 21:55		YP/AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PO112963.D	14 Aug 2025 22:13		YP/AJ	Ok
36	I.BLK	I.BLK	PO112964.D	14 Aug 2025 22:31		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

Review By	yogesh	Review On	8/1/2025 3:30:36 PM		
Supervise By	mohammad	Supervise On	8/8/2025 7:37:53 AM		
SubDirectory	PP080125	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP074166.D	01 Aug 2025 11:33		YP\AJ	Ok
2	I.BLK	I.BLK	PP074167.D	01 Aug 2025 11:49		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP074168.D	01 Aug 2025 12:05		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP074169.D	01 Aug 2025 12:22		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP074170.D	01 Aug 2025 12:38		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP074171.D	01 Aug 2025 12:54		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP074172.D	01 Aug 2025 13:42		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP074173.D	01 Aug 2025 13:58		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP074174.D	01 Aug 2025 14:15		YP\AJ	Ok,M
10	AR1242ICC1000	AR1242ICC1000	PP074175.D	01 Aug 2025 14:31		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP074176.D	01 Aug 2025 14:47		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP074177.D	01 Aug 2025 15:03		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP074178.D	01 Aug 2025 15:19		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP074179.D	01 Aug 2025 15:36		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP074180.D	01 Aug 2025 16:24	Not Use	YP\AJ	Not Ok
16	AR1248ICC750	AR1248ICC750	PP074181.D	01 Aug 2025 16:41	Not Use	YP\AJ	Not Ok
17	AR1248ICC500	AR1248ICC500	PP074182.D	01 Aug 2025 16:57		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP074183.D	01 Aug 2025 17:13	Not Use	YP\AJ	Not Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

Review By	yogesh	Review On	8/1/2025 3:30:36 PM		
Supervise By	mohammad	Supervise On	8/8/2025 7:37:53 AM		
SubDirectory	PP080125	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP074184.D	01 Aug 2025 17:45	Not Use	YP\AJ	Not Ok
20	AR1254ICC1000	AR1254ICC1000	PP074185.D	01 Aug 2025 18:02		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP074186.D	01 Aug 2025 18:18		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP074187.D	01 Aug 2025 18:34		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP074188.D	01 Aug 2025 18:50		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP074189.D	01 Aug 2025 19:23		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP074190.D	01 Aug 2025 19:39		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP074191.D	01 Aug 2025 19:55	Not Use	YP\AJ	Not Ok
27	AR1268ICC750	AR1268ICC750	PP074192.D	01 Aug 2025 20:11	Not Use	YP\AJ	Not Ok
28	AR1268ICC500	AR1268ICC500	PP074193.D	01 Aug 2025 20:28		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP074194.D	01 Aug 2025 20:44	Not Use	YP\AJ	Not Ok
30	AR1268ICC050	AR1268ICC050	PP074195.D	01 Aug 2025 21:00	Not Use	YP\AJ	Not Ok
31	PP080125ICV500	ICVPP080125	PP074196.D	01 Aug 2025 21:16		YP\AJ	Ok
32	AR1242ICV500	ICVPP080125AR1242	PP074197.D	01 Aug 2025 22:05		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP080125AR1248	PP074198.D	01 Aug 2025 22:37	Not Use	YP\AJ	Not Ok
34	AR1254ICV500	ICVPP080125AR1254	PP074199.D	01 Aug 2025 23:10		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP080125AR1268	PP074200.D	01 Aug 2025 23:42	Not Use	YP\AJ	Not Ok
36	DDT ANALOG	DDT ANALOG	PP074201.D	02 Aug 2025 00:15		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081325

Review By	yogesh	Review On	8/13/2025 9:52:10 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:29 AM		
SubDirectory	PP081325	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP074333.D	13 Aug 2025 08:47		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP074334.D	13 Aug 2025 09:04		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP074335.D	13 Aug 2025 09:35		YP\AJ	Ok,M
4	AR1254CCC500	AR1254CCC500	PP074336.D	13 Aug 2025 09:51		YP\AJ	Ok,M
5	I.BLK	I.BLK	PP074337.D	13 Aug 2025 10:07		YP\AJ	Ok
6	DDT ANALOG	DDT ANALOG	PP074338.D	13 Aug 2025 10:23		YP\AJ	Ok
7	PB169227BL	PB169227BL	PP074339.D	13 Aug 2025 12:38	Run with clean up sample	YP\AJ	Not Ok
8	PB169227BS	PB169227BS	PP074340.D	13 Aug 2025 12:55		YP\AJ	Ok,M
9	Q2732-02	WC-A7-01-C	PP074341.D	13 Aug 2025 13:11		YP\AJ	Ok,M
10	Q2832-01	TG-S01	PP074342.D	13 Aug 2025 13:27	AR1260 Hit	YP\AJ	Ok,M
11	Q2832-03	TG-S02	PP074343.D	13 Aug 2025 13:44	AR1260 Hit, Need 2X	YP\AJ	Dilution
12	Q2832-03MS	TG-S02MS	PP074344.D	13 Aug 2025 14:00	Aroclor-1260 recovery fail	YP\AJ	Ok,M
13	Q2832-03MSD	TG-S02MSD	PP074345.D	13 Aug 2025 14:16	Aroclor-1260 recovery fail	YP\AJ	Ok,M
14	Q2832-05	TG-S03	PP074346.D	13 Aug 2025 14:32	AR1260 Hit, Need 2X	YP\AJ	Dilution
15	Q2820-09	705R-S	PP074347.D	13 Aug 2025 15:05	need cleanup	YP\AJ	Not Ok
16	AR1660CCC500	AR1660CCC500	PP074348.D	13 Aug 2025 15:54		YP\AJ	Ok
17	AR1242CCC500	AR1242CCC500	PP074349.D	13 Aug 2025 16:10		YP\AJ	Ok,M
18	AR1254CCC500	AR1254CCC500	PP074350.D	13 Aug 2025 16:26		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081325

Review By	yogesh	Review On	8/13/2025 9:52:10 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:29 AM		
SubDirectory	PP081325	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	PP074351.D	13 Aug 2025 16:42		YP\AJ	Ok
20	PB169224BL	PB169224BL	PP074352.D	13 Aug 2025 16:59		YP\AJ	Ok
21	PB169224BS	PB169224BS	PP074353.D	13 Aug 2025 17:15	AR1016 recovery fail	YP\AJ	Not Ok
22	PB169224BSD	PB169224BSD	PP074354.D	13 Aug 2025 17:31	AR1016 recovery fail	YP\AJ	Not Ok
23	Q2815-21	TW-11M-E	PP074355.D	13 Aug 2025 17:47		YP\AJ	Ok,M
24	Q2815-23	TW-11M-N	PP074356.D	13 Aug 2025 18:04		YP\AJ	Ok,M
25	Q2815-26	FB	PP074357.D	13 Aug 2025 18:20		YP\AJ	Ok,M
26	Q2821-05	GW-COMP	PP074358.D	13 Aug 2025 18:36		YP\AJ	Ok,M
27	Q2821-08	DM-COMP	PP074359.D	13 Aug 2025 18:52		YP\AJ	Ok,M
28	Q2821-09	50668	PP074360.D	13 Aug 2025 19:09	DCB low in both column , TCMX low in 2nd column	YP\AJ	Not Ok
29	Q2822-01	NWB-2185	PP074361.D	13 Aug 2025 19:25		YP\AJ	Ok,M
30	AR1660CCC500	AR1660CCC500	PP074362.D	13 Aug 2025 20:30		YP\AJ	Ok,M
31	AR1242CCC500	AR1242CCC500	PP074363.D	13 Aug 2025 21:19		YP\AJ	Ok,M
32	AR1254CCC500	AR1254CCC500	PP074364.D	13 Aug 2025 21:35		YP\AJ	Ok,M
33	I.BLK	I.BLK	PP074365.D	13 Aug 2025 21:52		YP\AJ	Ok
34	PB169227BL	PB169227BL	PP074366.D	13 Aug 2025 22:08		YP\AJ	Ok
35	Q2820-09	705R-S	PP074367.D	13 Aug 2025 22:24		YP\AJ	Ok
36	AR1660CCC500	AR1660CCC500	PP074368.D	13 Aug 2025 23:30		YP\AJ	Ok
37	AR1242CCC500	AR1242CCC500	PP074369.D	14 Aug 2025 00:18		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081325

Review By	yogesh	Review On	8/13/2025 9:52:10 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:43:29 AM		
SubDirectory	PP081325	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1254CCC500	AR1254CCC500	PP074370.D	14 Aug 2025 00:35		YP\AJ	Ok,M
39	I.BLK	I.BLK	PP074371.D	14 Aug 2025 00:51		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081425

Review By	yogesh	Review On	8/14/2025 11:38:09 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:12 AM		
SubDirectory	PP081425	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP074372.D	14 Aug 2025 08:11		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP074373.D	14 Aug 2025 08:27		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP074374.D	14 Aug 2025 08:44		YP\AJ	Ok,M
4	AR1254CCC500	AR1254CCC500	PP074375.D	14 Aug 2025 09:00		YP\AJ	Ok,M
5	I.BLK	I.BLK	PP074376.D	14 Aug 2025 09:17		YP\AJ	Ok
6	DDT ANALOG	DDT ANALOG	PP074377.D	14 Aug 2025 09:33		YP\AJ	Ok
7	PB169224BS	PB169224BS	PP074378.D	14 Aug 2025 09:49		YP\AJ	Ok,M
8	PB169224BSD	PB169224BSD	PP074379.D	14 Aug 2025 10:06		YP\AJ	Ok,M
9	Q2821-09	50668	PP074380.D	14 Aug 2025 10:22	DCB low in 2nd column	YP\AJ	Ok,M
10	Q2832-03DL	TG-S02DL	PP074381.D	14 Aug 2025 10:38	AR1260 Hit	YP\AJ	Ok,M
11	Q2832-05DL	TG-S03DL	PP074382.D	14 Aug 2025 10:55	AR1260 Hit	YP\AJ	Ok
12	Q2863-02	L14B	PP074383.D	14 Aug 2025 12:27		YP\AJ	Ok,M
13	Q2863-03	L15A	PP074384.D	14 Aug 2025 12:44		YP\AJ	Ok,M
14	Q2863-04	245F95-1-1	PP074385.D	14 Aug 2025 13:00	AR1254 Hit	YP\AJ	Ok,M
15	Q2863-05	245F95-1-2	PP074386.D	14 Aug 2025 13:16		YP\AJ	Ok,M
16	AR1660CCC500	AR1660CCC500	PP074387.D	14 Aug 2025 14:22		YP\AJ	Ok
17	AR1242CCC500	AR1242CCC500	PP074388.D	14 Aug 2025 14:38		YP\AJ	Ok,M
18	AR1254CCC500	AR1254CCC500	PP074389.D	14 Aug 2025 14:54		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081425

Review By	yogesh	Review On	8/14/2025 11:38:09 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:12 AM		
SubDirectory	PP081425	HP Acquire Method		HP Processing Method	PP080125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	PP074390.D	14 Aug 2025 15:11		YP\AJ	Ok
20	PB169240BL	PB169240BL	PP074391.D	14 Aug 2025 15:27		YP\AJ	Ok
21	PB169240BS	PB169240BS	PP074392.D	14 Aug 2025 15:43		YP\AJ	Ok,M
22	PB169245BL	PB169245BL	PP074393.D	14 Aug 2025 16:00		YP\AJ	Ok
23	PB169245BS	PB169245BS	PP074394.D	14 Aug 2025 16:16		YP\AJ	Ok,M
24	Q2844-01	PAD-081325	PP074395.D	14 Aug 2025 16:32	AR1242 Hit	YP\AJ	Ok,M
25	Q2844-02	MOO-25-0224-0225	PP074396.D	14 Aug 2025 16:49		YP\AJ	Ok
26	Q2844-04	MOO-25-0234-0235	PP074397.D	14 Aug 2025 17:05		YP\AJ	Ok
27	Q2858-01	VNJ 216	PP074398.D	14 Aug 2025 17:21		YP\AJ	Ok,M
28	Q2858-01MS	VNJ 216MS	PP074399.D	14 Aug 2025 17:37	TCMX high in 2nd column	YP\AJ	Ok,M
29	Q2858-01MSD	VNJ 216MSD	PP074400.D	14 Aug 2025 17:54	TCMX high in 2nd column	YP\AJ	Ok,M
30	AR1660CCC500	AR1660CCC500	PP074401.D	14 Aug 2025 18:59		YP\AJ	Ok
31	AR1242CCC500	AR1242CCC500	PP074402.D	14 Aug 2025 19:48		YP\AJ	Ok,M
32	AR1254CCC500	AR1254CCC500	PP074403.D	14 Aug 2025 20:04		YP\AJ	Ok,M
33	I.BLK	I.BLK	PP074404.D	14 Aug 2025 20:21		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

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
Q2732-02	WC-A7-01-C	74	1.15	10.37	11.52	11.18	96.7	
Q2819-01	22BP-N	1	1.15	10.16	11.31	9.57	82.9	
Q2819-02	22BP-E	2	1.16	10.67	11.83	10.3	85.7	
Q2819-03	22BP-W	3	1.16	10.83	11.99	10.45	85.8	
Q2819-04	22BP-S	4	1.15	9.96	11.11	9.92	88.1	
Q2819-05	11M-W	5	1.14	10.45	11.59	10.7	91.5	
Q2819-06	11M-S	6	1.16	10.83	11.99	10.96	90.5	
Q2819-07	11M-N	7	1.16	10.81	11.97	9.37	75.9	
Q2819-08	11M-E	8	1.17	10.27	11.44	8.54	71.8	
Q2819-09	84SB-E	9	1.13	10.62	11.75	5.12	37.6	
Q2819-10	84SB-S	10	1.18	10.11	11.29	10.51	92.3	
Q2819-11	84SB-W	11	1.14	10.14	11.28	9.94	86.8	
Q2819-12	17M-S	12	1.19	10.66	11.85	11.15	93.4	
Q2819-13	17M-E	13	1.17	10.38	11.55	9.86	83.7	
Q2819-14	17M-W	14	1.15	10.46	11.61	10.1	85.6	
Q2819-15	17M-N	15	1.15	10.57	11.72	9.96	83.3	
Q2819-16	38M-S	16	1.15	10.77	11.92	11.1	92.4	
Q2819-17	38M-N	17	1.16	10.41	11.57	10.27	87.5	
Q2819-18	38M-W	18	1.14	10.66	11.8	10.34	86.3	
Q2819-19	38M-E	19	1.13	10.13	11.26	10.02	87.8	
Q2819-20	82H-E	20	1.17	10.64	11.81	9.38	77.2	
Q2820-01	82H-S	21	1.16	10.76	11.92	10.04	82.5	
Q2820-02	82H-W	22	1.15	11.21	12.36	10.51	83.5	
Q2820-03	82H-N	23	1.16	11.14	12.3	10.9	87.4	
Q2820-04	SOIL-DUP-1	24	1.16	10.83	11.99	10.56	86.8	
Q2820-05	518R-E	25	1.16	10.40	11.56	6.23	48.8	
Q2820-06	518R-N	26	1.18	10.55	11.73	9.35	77.4	
Q2820-07	518R-S	27	1.17	10.52	11.69	9.44	78.6	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

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
Q2820-08	518R-W	28	1.13	10.80	11.93	10.74	89.0	
Q2820-09	705R-S	29	1.14	10.59	11.73	7.05	55.8	
Q2820-10	SOIL-DUP-2	30	1.15	10.87	12.02	6.41	48.4	
Q2820-11	10PC-W	31	1.11	10.25	11.36	10.58	92.4	
Q2820-12	10PC-S	32	1.19	10.52	11.71	10.88	92.1	
Q2820-13	10P-W	33	1.14	10.09	11.23	10.34	91.2	
Q2820-14	10P-E	34	1.19	10.37	11.56	9.62	81.3	
Q2820-15	10P-S	35	1.18	10.21	11.39	10.22	88.5	
Q2820-16	10P-N	36	1.11	10.09	11.2	9.81	86.2	
Q2820-17	88H-E	37	1.16	10.42	11.58	9.77	82.6	
Q2820-18	88H-N	38	1.16	10.90	12.06	10.57	86.3	
Q2820-19	88H-W	39	1.18	10.66	11.84	10.62	88.6	
Q2820-20	88H-S	40	1.18	10.12	11.3	9.74	84.6	
Q2820-21	22M-N	41	1.14	11.06	12.2	11.34	92.2	
Q2820-22	22M-W	42	1.17	10.90	12.07	6.94	52.9	
Q2820-23	22M-E	43	1.17	10.27	11.44	4.66	34.0	
Q2820-24	22M-S	44	1.13	10.68	11.81	10.63	89.0	
Q2832-01	TG-S01	45	1.15	10.46	11.61	10.92	93.4	
Q2832-03	TG-S02	46	1.18	10.41	11.59	10.97	94.0	
Q2832-05	TG-S03	47	1.15	10.50	11.65	11.00	93.8	
Q2832-07	TG-S04	48	1.17	10.58	11.75	11.02	93.1	
Q2832-09	TG-S05	49	1.15	10.40	11.55	10.6	90.9	
Q2836-02	WC-A2-15-C	75	1.18	10.38	11.56	9.67	81.8	
Q2836-06	WC-A2-16-C	76	1.19	10.43	11.62	10.66	90.8	
Q2836-10	WC-A2-17-C	77	1.19	10.48	11.67	10.96	93.2	
Q2836-14	WC-A5-02-C	78	1.19	10.17	11.36	8.8	74.8	
Q2838-01	TP-11	50	1.14	10.60	11.74	10.44	87.7	
Q2838-02	TP-11-EPH	51	1.14	10.85	11.99	9.57	77.7	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

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
Q2838-03	TP-11-VOC	52	1.19	11.24	12.43	9.97	78.1	
Q2838-05	TP-10	53	1.14	11.08	12.22	10.75	86.7	
Q2838-06	TP-10-EPH	54	1.18	10.42	11.6	7.63	61.9	
Q2838-07	TP-10-VOC	55	1.18	10.50	11.68	8.68	71.4	
Q2839-01	BC274436-1-1	56	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-02	BC274436-1-2	57	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-03	BC151973-1-1	58	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-04	BC151973-1-2	59	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-05	BC271336-1-1	60	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-06	BC271336-1-2	61	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-07	BC271242-1-1	62	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-08	BC271242-1-2	63	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-09	BC271242-2-1	64	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-10	BC271242-2-2	65	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-11	BC226751-1-1	66	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-12	BC226751-1-2	67	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-13	BC226751-2-1	68	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-14	BC226751-2-2	69	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-15	JEC773V-1-1	70	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-16	JEC773V-1-2	71	1.00	1.00	2.00	2.00	100.0	PILC
Q2840-01	0804-SOIL	72	1.12	11.32	12.44	10.42	82.2	
Q2840-02	0804-D	73	1.00	1.00	2.00	2.00	100.0	debris

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2820-06	518R-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-07	518R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-08	518R-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-09	705R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-10	SOIL-DUP-2	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2819-19	38M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-20	82H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-01	82H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-02	82H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-03	82H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-04	SOIL-DUP-1	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-13	17M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-14	17M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-15	17M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-16	38M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-17	38M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-18	38M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-07	11M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-08	11M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-09	84SB-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-10	84SB-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO

Date/Time 08112125 1510

Raw Sample Received by: SB WC

Raw Sample Relinquished by:

Date/Time 08112125 1735

Raw Sample Received by:

Raw Sample Relinquished by: SB WC

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-01	22BP-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-02	22BP-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-03	22BP-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-04	22BP-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-05	11M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-06	11M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2820-23	22M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-24	22M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-17	88H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-18	88H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-19	88H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-20	88H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-21	22M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-22	22M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-11	10PC-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-12	10PC-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-13	10P-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-14	10P-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-15	10P-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-16	10P-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-05	518R-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: JB WSC

Raw Sample Relinquished by: [signature]

Date/Time 08/12/25 17:35

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JB WSC

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2839-04	BC151973-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-05	BC271336-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-06	BC271336-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-07	BC271242-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-08	BC271242-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-09	BC271242-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-10	BC271242-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-11	BC226751-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-12	BC226751-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-13	BC226751-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-14	BC226751-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-15	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-16	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2840-01	0804-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO
Q2840-02	0804-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO

Date/Time 08112125 15:00
Raw Sample Received by: SB WPC
Raw Sample Relinquished by:

Date/Time 08112125 17:35
Raw Sample Received by:
Raw Sample Relinquished by: SB WPC

WS 131783

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-11	84SB-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-12	17M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2832-01	TG-S01	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2732-02	WC-A7-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J21	08/12/2025	Chemtech -SO
Q2832-03	TG-S02	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-05	TG-S03	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-07	TG-S04	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-09	TG-S05	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/12/2025	Chemtech -SO
Q2836-02	WC-A2-15-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-06	WC-A2-16-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-10	WC-A2-17-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-14	WC-A5-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2838-01	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-02	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-03	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2839-01	BC274436-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-02	BC274436-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-03	BC151973-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: SB WDC

Raw Sample Relinquished by: CP SM

Date/Time 08/12/25 17:35

Raw Sample Received by: CP SM

Raw Sample Relinquished by: SB WDC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169227

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	08/13/2025
Matrix :	Solid			**Extraction Start Time :**	08:33
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/13/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24650
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2627
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721, Q2840-02 used Limited volume as sample is Oily Debris.

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
8/13/25	RS (Ext lab)	R. Patel/RCB Labs
11:50	**Preparation Group**	**Analysis Group**

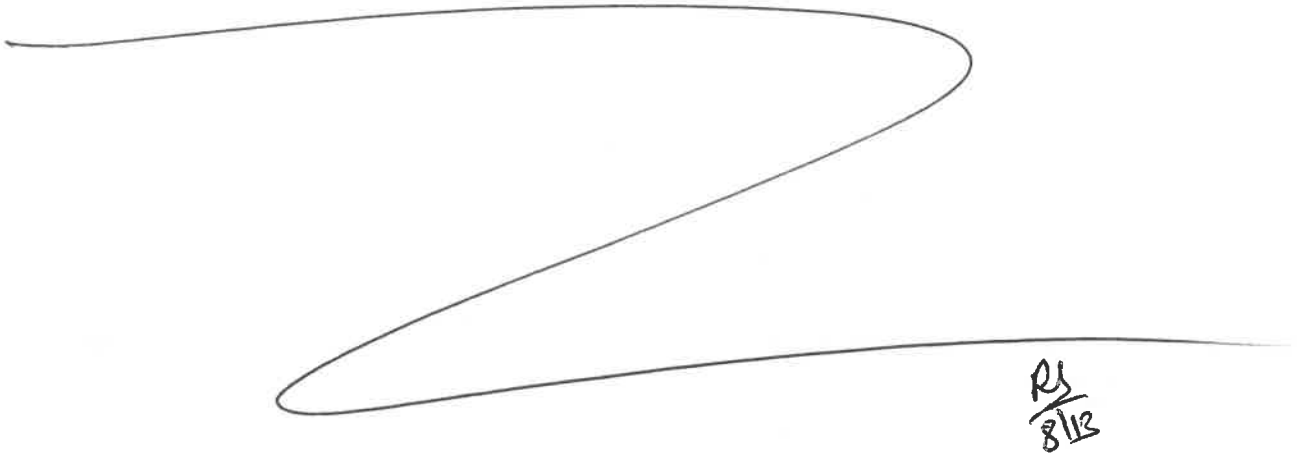
Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169227

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 08/13/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169227BL	ABLK227	PCB	30.03	N/A	ritesh	RUPESH	10			U3-1
PB169227BS	ALCS227	PCB	30.02	N/A	ritesh	RUPESH	10			2
Q2732-02	WC-A7-01-C	PCB	30.04	N/A	ritesh	RUPESH	10	B		3
Q2820-09	705R-S	PCB	30.06	N/A	ritesh	RUPESH	10	E		4
Q2832-01	TG-S01	PCB	30.07	N/A	ritesh	RUPESH	10	F		5
Q2832-03	TG-S02	PCB	30.08	N/A	ritesh	RUPESH	10	F		6
Q2832-03MS	TG-S02MS	PCB	30.06	N/A	ritesh	RUPESH	10	F		U6-1
Q2832-03MSD	TG-S02MSD	PCB	30.04	N/A	ritesh	RUPESH	10	F		2
Q2832-05	TG-S03	PCB	30.02	N/A	ritesh	RUPESH	10	F		3
Q2832-07	TG-S04	PCB	30.09	N/A	ritesh	RUPESH	10	F		4
Q2832-09	TG-S05	PCB	30.07	N/A	ritesh	RUPESH	10	F		5
Q2836-02	WC-A2-15-C	PCB	30.03	N/A	ritesh	RUPESH	10	B		6
Q2836-06	WC-A2-16-C	PCB	30.01	N/A	ritesh	RUPESH	10	F		U1-1
Q2836-10	WC-A2-17-C	PCB	30.04	N/A	ritesh	RUPESH	10	E		2
Q2836-14	WC-A5-02-C	PCB	30.05	N/A	ritesh	RUPESH	10	B		3
Q2838-01	TP-11	PCB	30.02	N/A	ritesh	RUPESH	10	B		4
Q2838-05	TP-10	PCB	30.06	N/A	ritesh	RUPESH	10	B		5
Q2840-01	0804-SOIL	PCB	30.08	N/A	ritesh	RUPESH	10	B		6
Q2840-02	0804-D	PCB	5.08	N/A	ritesh	RUPESH	10	B	Oily Debris	U2-1



RJ 8/13

*** Extracts relinguished on the same date as received.**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092

RE-EXTRACTION NOTIFICATION

DATE: 08/13/25 Initiated by: Y.P.

Fraction: PCB

Reason: ✓ Low Surrogate Recovery

____ Other _____

Samples affected:	Matrix	Sample Date	Prep. Batch	Extra Sample Yes No	Verified By	New Prep. Batch
Q2820-09	Soil.	08/07/25	PB169205	YES.	R.S.	PB169227

RS 8/13

Extraction Supervisor Signature: RS Date: 8/13/25

Form Initiator's Signature: Y.P. Date: 08/13/25

QA Control # A3041248

169227
8:33

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2836 **WorkList ID :** 191243 **Department :** Extraction **Date :** 08-13-2025 08:28:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-02	WC-A7-01-C	Solid	PCB	Cool 4 deg C	ENTA05	J21	08/12/2025	8082A
Q2820-09	705R-S	Solid	PCB	Cool 4 deg C	FIRS02	D31	08/07/2025	8082A
Q2832-01	TG-S01	Solid	PCB	Cool 4 deg C	PORT06	J21	08/11/2025	8082A
Q2832-03	TG-S02	Solid	PCB	Cool 4 deg C	PORT06	J21	08/11/2025	8082A
Q2832-05	TG-S03	Solid	PCB	Cool 4 deg C	PORT06	J21	08/11/2025	8082A
Q2832-07	TG-S04	Solid	PCB	Cool 4 deg C	PORT06	J21	08/11/2025	8082A
Q2832-09	TG-S05	Solid	PCB	Cool 4 deg C	PORT06	J21	08/12/2025	8082A
Q2836-02	WC-A2-15-C	Solid	PCB	Cool 4 deg C	ENTA05	J23	08/12/2025	8082A
Q2836-06	WC-A2-16-C	Solid	PCB	Cool 4 deg C	ENTA05	J23	08/12/2025	8082A
Q2836-10	WC-A2-17-C	Solid	PCB	Cool 4 deg C	ENTA05	J23	08/12/2025	8082A
Q2836-14	WC-A5-02-C	Solid	PCB	Cool 4 deg C	ENTA05	J23	08/12/2025	8082A
Q2838-01	TP-11	Solid	PCB	Cool 4 deg C	PSEG03	D21	08/12/2025	8082A
Q2838-05	TP-10	Solid	PCB	Cool 4 deg C	PSEG03	D21	08/12/2025	8082A
Q2840-01	0804-SOIL	Solid	PCB	Cool 4 deg C	PSEG03	D31	08/12/2025	8082A
Q2840-02	0804-D	Solid	PCB	Cool 4 deg C	PSEG03	D31	08/12/2025	8082A

Date/Time 08/13/25 8:28
Raw Sample Received by: RJ (Ext lab).
Raw Sample Relinquished by: CP

Date/Time 8/13/25 8:30
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (Ext lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2832

Test : PCB

Prepbatch ID : PB169227,

Sequence ID/Qc Batch ID: PO081325,PO081425,PP081325,PP081425,

Standard ID :

EP2610,EP2627,EP2632,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24650,PP24663,

Chemical ID :

E3804,E3875,E3877,E3940,E3944,E3949,E3950,E3951,E3962,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12950,P12957,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13786,P13830,P13878,P13883,W3112,W3177,

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2627	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000ml of E3949 + 4000.00000ml of E3950 = Final Quantity: 8000.000 ml

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
203	AR1660 750 PPB STD	PP24331	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
204	AR1660 500 PPB STD	PP24332	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
205	AR1660 250 PPB STD	PP24333	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
206	AR1660 50 PPB STD	PP24334	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24332 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
213	AR1221 1000 PPB WORKING SOLUTION	PP24335	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1079	AR1221 750 PPB STD	PP24336	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24335 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
222	AR1221 500 PPB STD	PP24337	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24335 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1080	AR1221 250 PPB STD	PP24338	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24335 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1081	AR1221 50 PPB STD	PP24339	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24337 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
214	AR1232 1000 PPB WORKING SOLUTION	PP24340	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1063	AR1232 750 PPB STD	PP24341	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
223	AR1232 500 PPB STD	PP24342	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24340 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1064	AR1232 250 PPB STD	PP24343	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1065	AR1232 50 PPB STD	PP24344	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24342 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
215	AR1242 1000 PPB WORKING STD	PP24345	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1067	AR1242 750 PPB STD	PP24346	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.75000ml of PP24345 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
224	AR1242 500 PPB STD	PP24347	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24345 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1068	AR1242 250 PPB STD	PP24348	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24345 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1069	AR1242 50 PPB STD	PP24349	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24347 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
216	AR1248 1000 PPB WORKING STD	PP24350	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1075	AR1248 750 PPB STD	PP24351	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
225	AR1248 500 PPB STD	PP24352	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24350 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1076	AR1248 250 PPB STD	PP24353	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1077	AR1248 50 PPB STD	PP24354	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24352 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
217	AR1254 1000 PPB WORKING STD	PP24355	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1071	AR1254 750 PPB STD	PP24356	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24355 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
226	AR1254 500 PPB STD	PP24357	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1072	AR1254 250 PPB STD	PP24358	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24355 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1073	AR1254 50 PPB STD	PP24359	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24357 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1529	AR1262 1000 PPB Working Solution	PP24360	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3753	AR1262 750 PPB STD	PP24361	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24360 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1530	AR1262 500 PPB STD	PP24362	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24360 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3754	AR1262 250 PPB STD	PP24363	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24360 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3755	AR1262 50 PPB STD	PP24364	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24362 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1532	AR1268 1000 PPB Working Solution	PP24365	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3820	AR1268 750 PPB STD	PP24366	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24365 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1533	AR1268 500 PPB STD	PP24367	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24365 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3821	AR1268 250 PPB STD	PP24368	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24365 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3822	AR1268 50 PPB STD	PP24369	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24367 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
404	AR1660 100 PPM Stock Solution 2nd Source	PP24370	03/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12949 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
405	AR1660 1000/100 PPB ICV STD	PP24371	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
406	AR1660 500 PPB ICV	PP24372	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24371 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24373	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1886	AR1221 500 PPB ICV	PP24374	03/18/2025	08/12/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of E3877 + 0.50000ml of W3177 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24375	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1888	AR1232 500 PPB ICV	PP24376	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24375 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24377	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1891	AR1242 500 PPB ICV	PP24378	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24377 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24379	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1892	AR1248 500 PPB ICV	PP24380	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24379 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP24381	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1894	AR1254 500 PPB ICV	PP24382	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3757	AR1262 1000 PPB Working Solution second source	PP24384	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3758	AR1262 500 PPB STD ICV	PP24385	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24384 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24386	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3823	AR1268 500 PPB STD ICV	PP24387	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24386 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24650	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 0.50000ml of P12950 + 99.50000ml of E3940 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

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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	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

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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	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	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-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	12/16/2025	06/16/2025 / Abdul	12/20/2023 / Yogesh	P12950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375)**	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_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 foreing 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.

E 3875

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 6/11/25

E3940

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Read on 7/2/25

E3949

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Read on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Recieved on 7/30/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3962

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor | J.T.Baker

M615 MB

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

P11518 ↓ P11522 AJ 02/21/22

Agilent

Certificate of Analysis

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1 **Lot Issue Date:** 09-Feb-2021

Lot Number: 0006587800 **Expiration Date:** 31-Mar-2029

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

M Bourgeois

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Refere

CERTIFIED WEIGHT REPORT

Part Number:	91867
Lot Number:	020823
Description:	WP 037 - Aroclor 1232 PCB Technical Mixture
Expiration Date:	020833
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	100
NIST Test ID#:	6UTB

Solvent(
Aceton

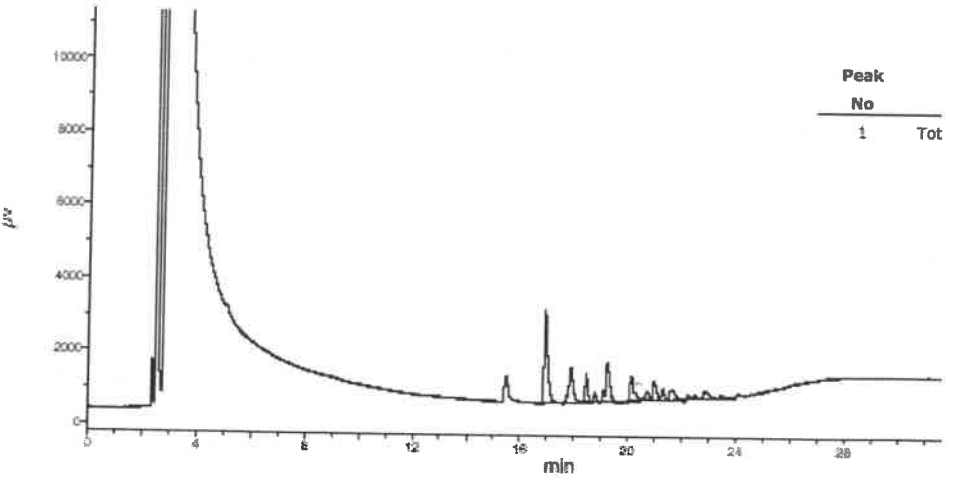
5E-05 Balance Uncertainty
0.057 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0203672

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

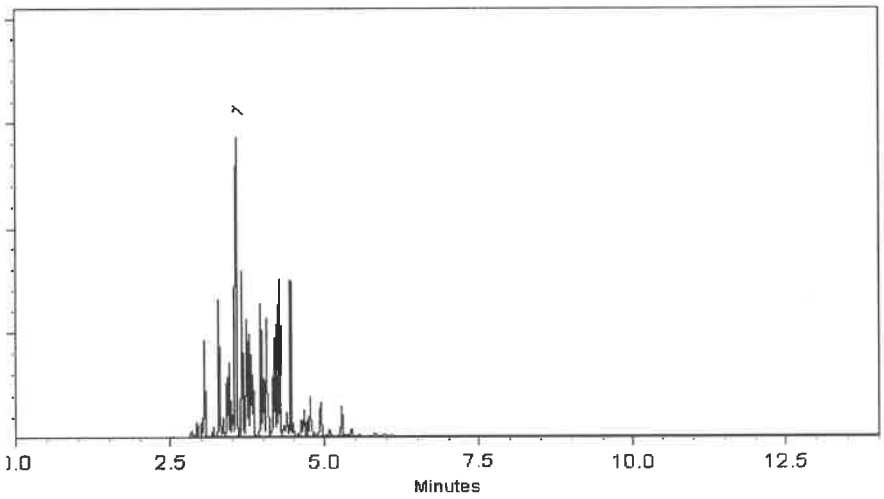
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12933 ↓ P12937 AJ 12/07/23

Catalog No. : 32010 **Lot No.:** A0202803

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	----%	1,001.7 µg/mL	+/- 55.5850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

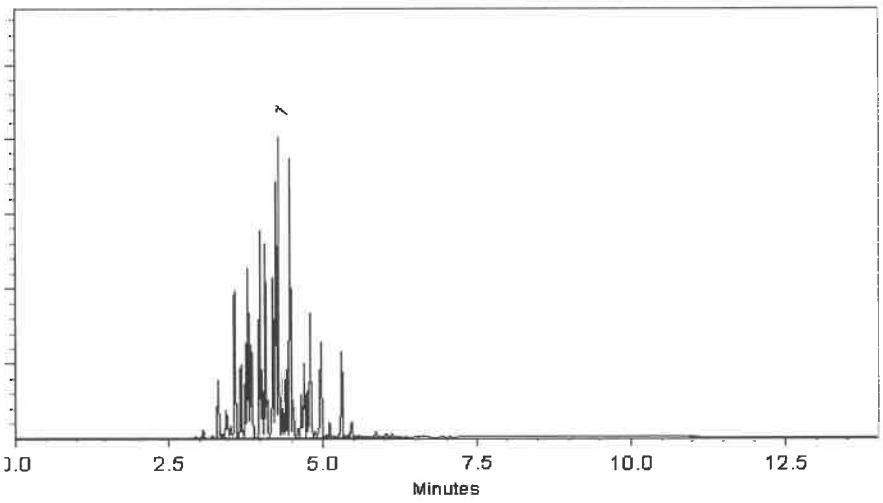
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Hexane	273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

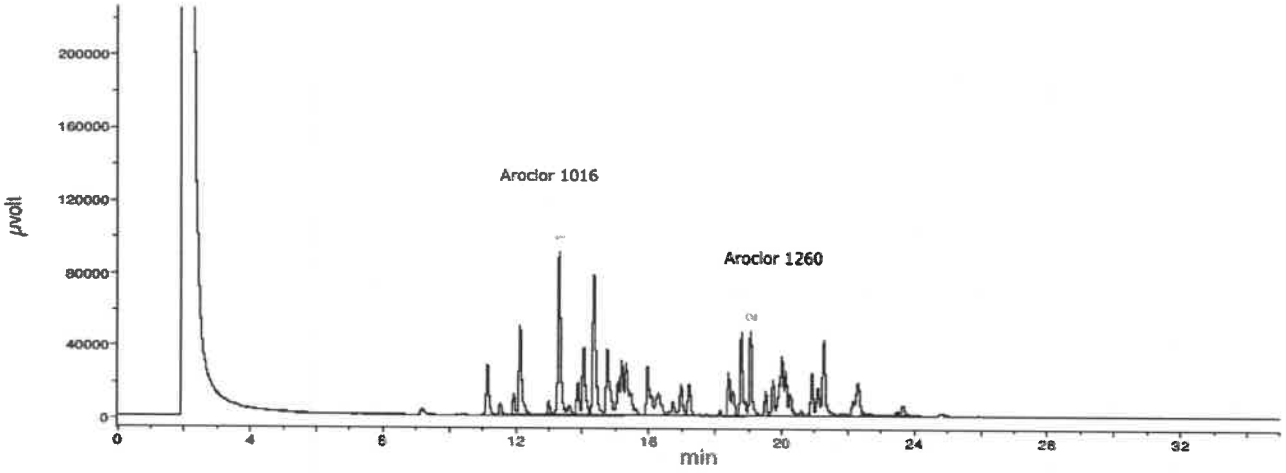
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number:	20064
Lot Number:	022023
Description:	CLP PCB'S - Aroclor Mix
	Aroclors 1016 & 1260
Expiration Date:	022033
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Hexane	273615

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

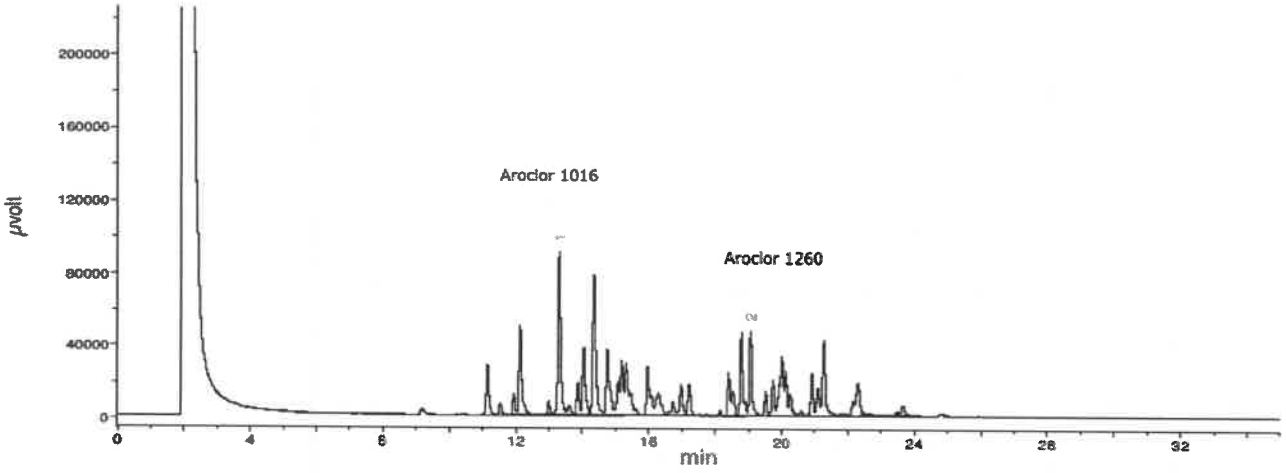
Formulated By:	Benson Chan	022023 DATE
Reviewed By:	Pedro L. Rentas	022023 DATE

P12946 ↓ P12955 — Y.P. 12/20/23

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	orl-rat 1315mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	99139	**Solvent(s):**	**Lot#**	
Lot Number:	121823	Iso-octane	82227	
Description:	Aroclor 1254			
Expiration Date:	121833			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	100			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Volume(s) shown below were combined and diluted to (mL):		20.0	0.003	Flask Uncertainty

		121823
Formulated By:	Anthony Mahoney	DATE
		121823
Reviewed By:	Pedro L. Rentas	DATE

P12956 & P12957 Y.P. 12/20/23

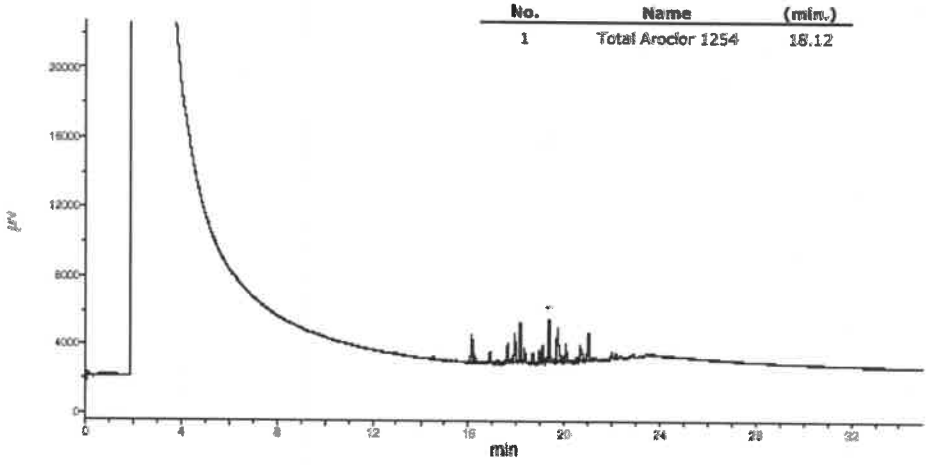
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

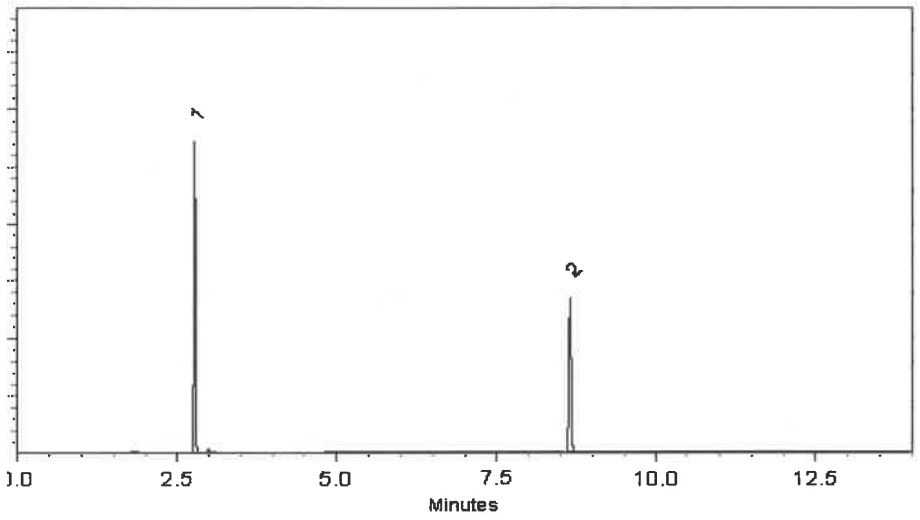
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)

↓

P13357

04/25/2025

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0207475

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1268	11100-14-4	10947000	----%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13380 2
P 13381
1
05/6/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

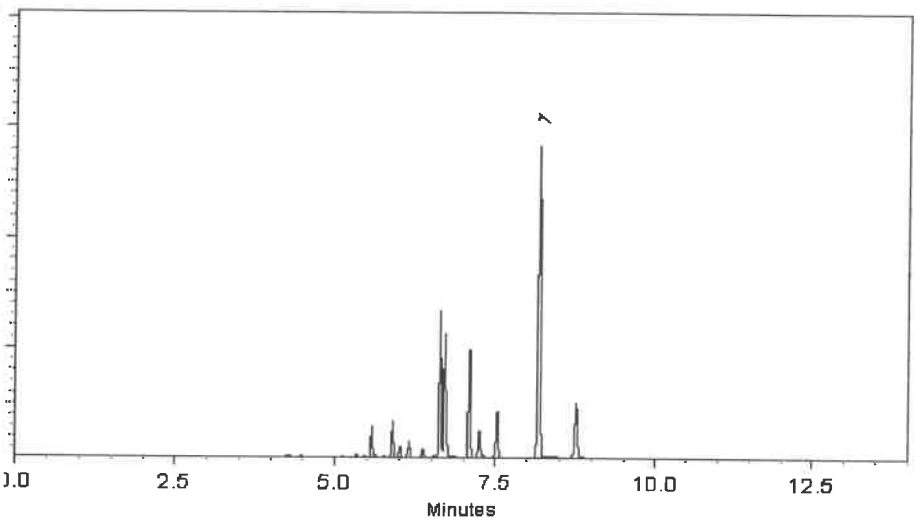
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 500:1

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 06-Feb-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 09-Feb-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13380 (2)
↓
P13381
1

05/6/2024

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name:	Aroclor 1242 Standard	**Lot Number:**	0006665550
Product Number:	PP-312-1	**Lot Issue Date:**	08-Feb-2022
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	31-Jan-2027

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
Aroclor 1242	100.4	±	0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
↓
P13590

AJ
10/14/24

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1248 Standard
Product Number: PP-342-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006726317
Lot Issue Date: 27-Jan-2023
Expiration Date: 28-Feb-2031

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3	±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591
↓
P13592

AJ
10/14/2024

Agilent

Trusted Answers

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

RESTEK
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Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13697 ↓ P13701 } Y.P. 10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

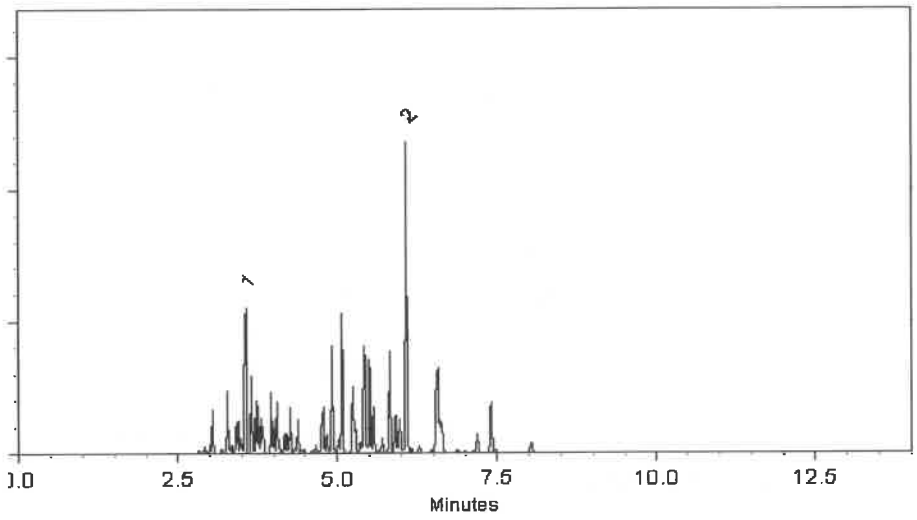
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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. : 32007 **Lot No.:** A0215270

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13702 & P13703 } Y.P. 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

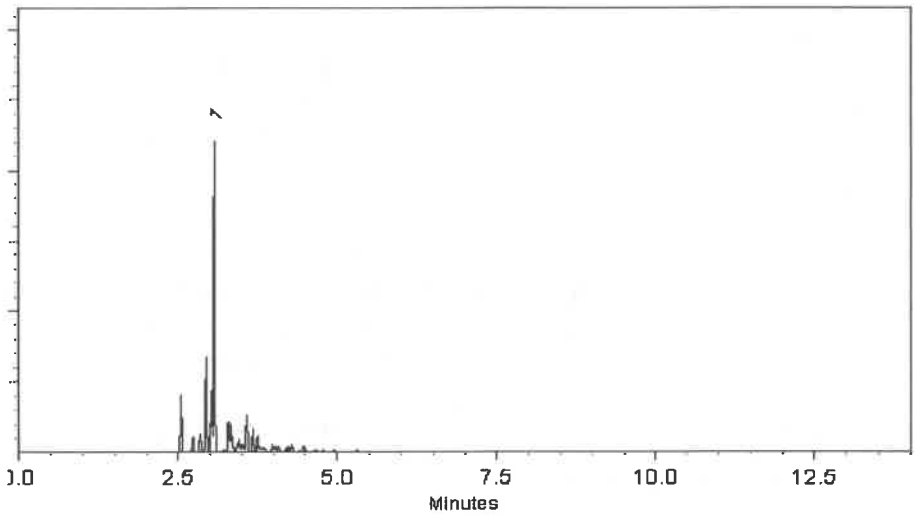
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
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P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

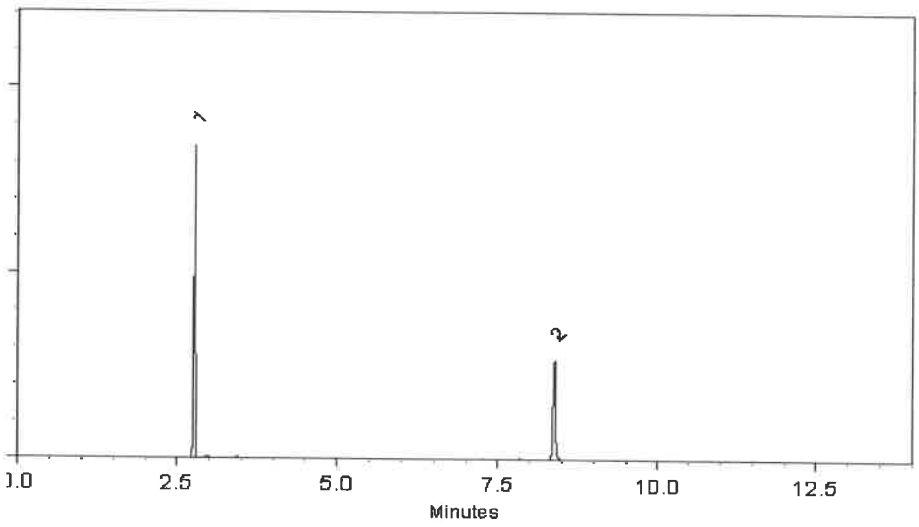
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0217391

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13830
↓
P13832

AJ
12/09/24

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

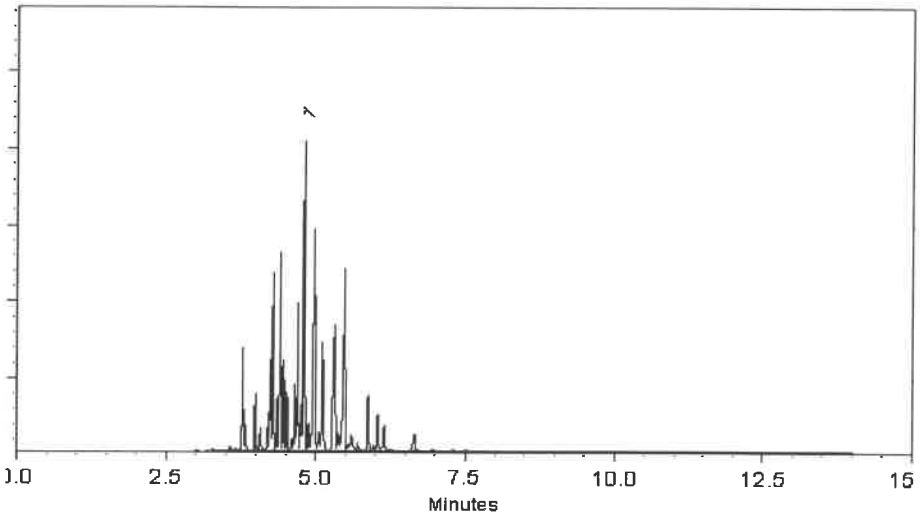
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I **Date Mixed:** 02-Oct-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 07-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	----%	1,007.0 µg/mL	+/- 55.8810

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13878
↓
P13880

AJ
01/28/25

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

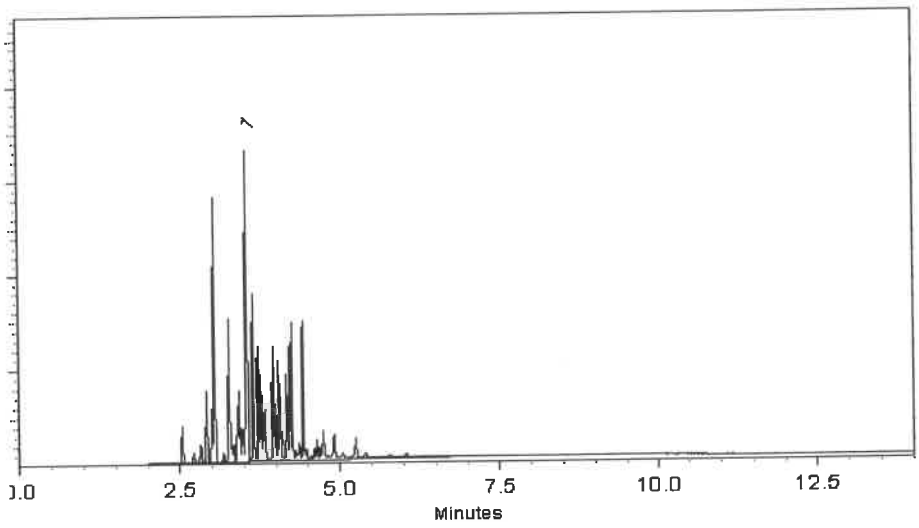
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0220950

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1262	37324-23-5	10849100	----%	1,002.0 µg/mL	+/- 55.6035

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P138852
↓
P138853

AJ
01/28/25

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

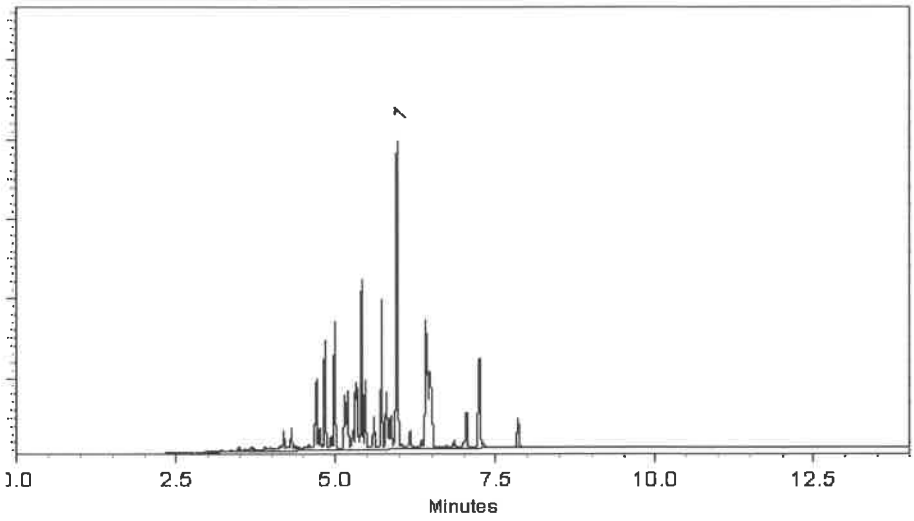
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 09-Jan-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 14-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q 2832
COC Number 2045382

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannet Fleming
ADDRESS: 1010 Abrams Ave
CITY Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupinsky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of Sarkum Bridges
PROJECT NO.: LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupinsky
e-mail: GJGC@bemsys.com
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Kazmen Gursoz PHONE: 908-728-3978

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☒ EDD FORMAT BEM EDD

ANALYSIS

1: TCL-SVOCs+TICs
2: TCL-VOCs+10
3: PCBs
4: ERH
5: TAL Metals
6: TCLP Full Suite
7: RCRA (PDC)
8: CT(NJ) (CCME)
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	TG-501	S		X	8/11/25	0815	9	X	X	X	X	X	X	X	X		
2.	TG-502					0915	9										
3.	TG-503					1110	9										
4.	TG-504					1345	9										
5.	TG-505				8/12/25	0725	9										
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/12/25 0910	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.9 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2832 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 8/12/2025 9:37:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 8/12/2025 9:10:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2832-01	TG-S01	Solid	08/11/2025	08:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2832-03	TG-S02	Solid	08/11/2025	09:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2832-05	TG-S03	Solid	08/11/2025	11:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2832-07	TG-S04	Solid	08/11/2025	13:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2832-09	TG-S05	Solid	08/12/2025	07:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 8/12/25 1015

Received By : [signature]
Date / Time : 08/12/25 10:15

Storage Area : **VOA Refridgerator Room**