

Cover Page

Order ID : Q2177

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q2177-01
Q2177-02
Q2177-03
Q2177-04
Q2177-05
Q2177-06
Q2177-07
Q2177-08
Q2177-09

Client Sample Number

B-187-SB00
B-187-SB01
B-187-SB01
B-187-SB02
B-187-SB02
B-202-SB01
B-202-SB01
EB05312025
TB05312025

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: 6/7/2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2177

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: MAHESH PATEL

Date: 06/07/2025

LAB CHRONICLE

OrderID:	Q2177	OrderDate:	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	B-187-SB01	SOIL			05/31/25			06/02/25
			PCB	8082A		06/03/25	06/03/25	
Q2177-03	B-187-SB01	TCLP			05/31/25			06/02/25
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-04	B-187-SB02	SOIL			05/31/25			06/02/25
			PCB	8082A		06/03/25	06/03/25	
Q2177-05	B-187-SB02	TCLP			05/31/25			06/02/25
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-06	B-202-SB01	SOIL			05/31/25			06/02/25
			PCB	8082A		06/03/25	06/03/25	
Q2177-07	B-202-SB01	TCLP			05/31/25			06/02/25
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-08	EB05312025	WATER			05/31/25			06/02/25
			PCB	8082A		06/03/25	06/03/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2177

Order ID: Q2177

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2025

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO111057.D	PIBLK-PO111057.D	Tetrachloro-m-xylene	1	20	16.4	82		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.5	87		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	15.4	77		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.9	90		70 (60)	130 (140)
I.BLK-PO111437.D	PIBLK-PO111437.D	Tetrachloro-m-xylene	1	20	20.1	100		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.4	97		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.6	93		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.2	91		70 (60)	130 (140)
Q2177-08	EB05312025	Tetrachloro-m-xylene	1	20	22.8	114		30 (30)	150 (173)
		Decachlorobiphenyl	1	20	15.4	77		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (30)	150 (173)
		Decachlorobiphenyl	2	20	15.0	75		30 (10)	150 (173)
I.BLK-PO111451.D	PIBLK-PO111451.D	Tetrachloro-m-xylene	1	20	19.8	99		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.0	95		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.3	92		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.8	89		70 (60)	130 (140)
I.BLK-PP072163.D	PIBLK-PP072163.D	Tetrachloro-m-xylene	1	20	16.3	82		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	16.7	84		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.6	83		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.0	85		70 (60)	130 (140)
I.BLK-PP072557.D	PIBLK-PP072557.D	Tetrachloro-m-xylene	1	20	19.2	96		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.2	101		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.9	104		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.4	117		70 (60)	130 (140)
PB168252BL	PB168252BL	Tetrachloro-m-xylene	1	20	19.4	97		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.5	102		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.1	105		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.6	113		30 (32)	150 (175)
I.BLK-PP072572.D	PIBLK-PP072572.D	Tetrachloro-m-xylene	1	20	18.9	95		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.7	99		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.3	102		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.7	114		70 (60)	130 (140)
Q2176-05MS	TP-28MS	Tetrachloro-m-xylene	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.3	97		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.3	112		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.2	111		30 (32)	150 (175)
Q2176-05MSD	TP-28MSD	Tetrachloro-m-xylene	1	20	18.8	94		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.1	80		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.3	97		30 (32)	150 (175)
Q2177-02	B-187-SB01	Tetrachloro-m-xylene	1	20	18.4	92		30 (32)	150 (144)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2177-02	B-187-SB01	Decachlorobiphenyl	1	20	14.6	73		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.7	104		30 (32)	150 (144)
Q2177-04	B-187-SB02	Decachlorobiphenyl	2	20	17.4	87		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	18.0	90		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.4	67		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	15.4	77		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	20.5	102		30 (32)	150 (144)
Q2177-06	B-202-SB01	Decachlorobiphenyl	1	20	18.7	94		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.1	120		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.8	109		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	18.6	93		70 (60)	130 (140)
I.BLK-PP072587.D	PIBLK-PP072587.D	Decachlorobiphenyl	1	20	19.5	98		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.5	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.0	115		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (30)	150 (173)
PB168257BL	PB168257BL	Decachlorobiphenyl	1	20	20.9	104		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.5	103		30 (30)	150 (173)
		Decachlorobiphenyl	2	20	24.1	121		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	18.5	93		70 (60)	130 (140)
I.BLK-PP072602.D	PIBLK-PP072602.D	Decachlorobiphenyl	1	20	20.3	101		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.5	102		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.8	114		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	16.9	85		70 (60)	130 (140)
I.BLK-PP072608.D	PIBLK-PP072608.D	Decachlorobiphenyl	1	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.0	95		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.9	109		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	19.4	97		30 (30)	150 (173)
PB168257BS	PB168257BS	Decachlorobiphenyl	1	20	19.8	99		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (30)	150 (173)
		Decachlorobiphenyl	2	20	23.9	119		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	19.3	96		30 (30)	150 (173)
PB168257BSD	PB168257BSD	Decachlorobiphenyl	1	20	20.8	104		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (30)	150 (173)
		Decachlorobiphenyl	2	20	23.5	117		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	19.5	97		30 (32)	150 (144)
PB168252BS	PB168252BS	Decachlorobiphenyl	1	20	20.5	103		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.5	117		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	17.3	87		70 (60)	130 (140)
I.BLK-PP072623.D	PIBLK-PP072623.D	Decachlorobiphenyl	1	20	18.9	94		70 (60)	130 (140)

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP072623.D	PIBLK-PP072623.D	Tetrachloro-m-xylene	2	20	19.3	97		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.0	105		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PP072574.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2176-05MS (Column 1)	TP-28MS AR1016	184	0	150	ug/kg	82				40 (55)	140 (146)	
	AR1260	184	0	140	ug/kg	76				40 (54)	140 (119)	
Client Sample ID: Q2176-05MS (Column 2)	TP-28MS AR1016	184	0	168	ug/kg	91				40 (55)	140 (146)	
	AR1260	184	0	161	ug/kg	88				40 (54)	140 (119)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PP072575.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2176-05MSD (Column 1)	TP-28MSD AR1016	183.9	0	128	ug/kg	70		16		40 (55)	140 (146)	30 (20)
	AR1260	183.9	0	117	ug/kg	64		17		40 (54)	140 (119)	30 (20)
Client Sample ID: Q2176-05MSD (Column 2)	TP-28MSD AR1016	183.9	0	142	ug/kg	77		17		40 (55)	140 (146)	30 (20)
	AR1260	183.9	0	139	ug/kg	76		15		40 (54)	140 (119)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Portal Partners Tri-Venture</u>	Datafile :	<u>PP072609.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168257BS (Column 1)	AR1016	5	4.10	ug/L	82				40 (77)	140 (107)	
	AR1260	5	4.20	ug/L	84				40 (66)	140 (113)	
PB168257BS (Column 2)	AR1016	5	4.60	ug/L	92				40 (77)	140 (107)	
	AR1260	5	4.70	ug/L	94				40 (66)	140 (113)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Portal Partners Tri-Venture</u>	Datafile :	<u>PP072610.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168257BSD (Column 1)	AR1016	5	4.10	ug/L	82	0			40 (77)	140 (107)	20 (20)
	AR1260	5	4.20	ug/L	84	0			40 (66)	140 (113)	20 (20)
PB168257BSD (Column 2)	AR1016	5	4.60	ug/L	92	0			40 (77)	140 (107)	20 (20)
	AR1260	5	4.70	ug/L	94	0			40 (66)	140 (113)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Portal Partners Tri-Venture</u>	Datafile :	<u>PP072614.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168252BS (Column 1)	AR1016	166.6	140	ug/kg	84				40 (71)	140 (120)	
	AR1260	166.6	144	ug/kg	86				40 (65)	140 (130)	
PB168252BS (Column 2)	AR1016	166.6	153	ug/kg	92				40 (71)	140 (120)	
	AR1260	166.6	157	ug/kg	94				40 (65)	140 (130)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168252BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168252BL

Lab File ID: PP072558.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025

Date Analyzed (2): 06/03/2025

Time Analyzed (1): 13:28

Time Analyzed (2): 13:28

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
TP-28MS	Q2176-05MS	PP072574.D	06/03/2025	06/03/2025
TP-28MSD	Q2176-05MSD	PP072575.D	06/03/2025	06/03/2025
B-187-SB01	Q2177-02	PP072579.D	06/03/2025	06/03/2025
B-187-SB02	Q2177-04	PP072580.D	06/03/2025	06/03/2025
B-202-SB01	Q2177-06	PP072581.D	06/03/2025	06/03/2025
PB168252BS	PB168252BS	PP072614.D	06/04/2025	06/04/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168257BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168257BL

Lab File ID: PP072590.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/03/2025

Date Analyzed (1): 06/04/2025

Date Analyzed (2): 06/04/2025

Time Analyzed (1): 00:35

Time Analyzed (2): 00:35

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
EB05312025	Q2177-08	PO111445.D	06/03/2025	06/03/2025
PB168257BS	PB168257BS	PP072609.D	06/04/2025	06/04/2025
PB168257BSD	PB168257BSD	PP072610.D	06/04/2025	06/04/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072579.D	1	06/03/25 09:30	06/03/25 20:15	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.2	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.2	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.2	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.2	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.2	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.2	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.2	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.2	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		30 (32) - 150 (144)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		30 (32) - 150 (175)	87%	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\PP060325\
 Data File : PP072579.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 20:15
 Operator : YP\AJ
 Sample : Q2177-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-187-SB01

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:37:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.501	3.795	36909353	33123564	18.356m	20.723
2) SA Decachlor...	10.201	8.811	23838811	18434306	14.633	17.414

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:15
Operator : YP\AJ
Sample : Q2177-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

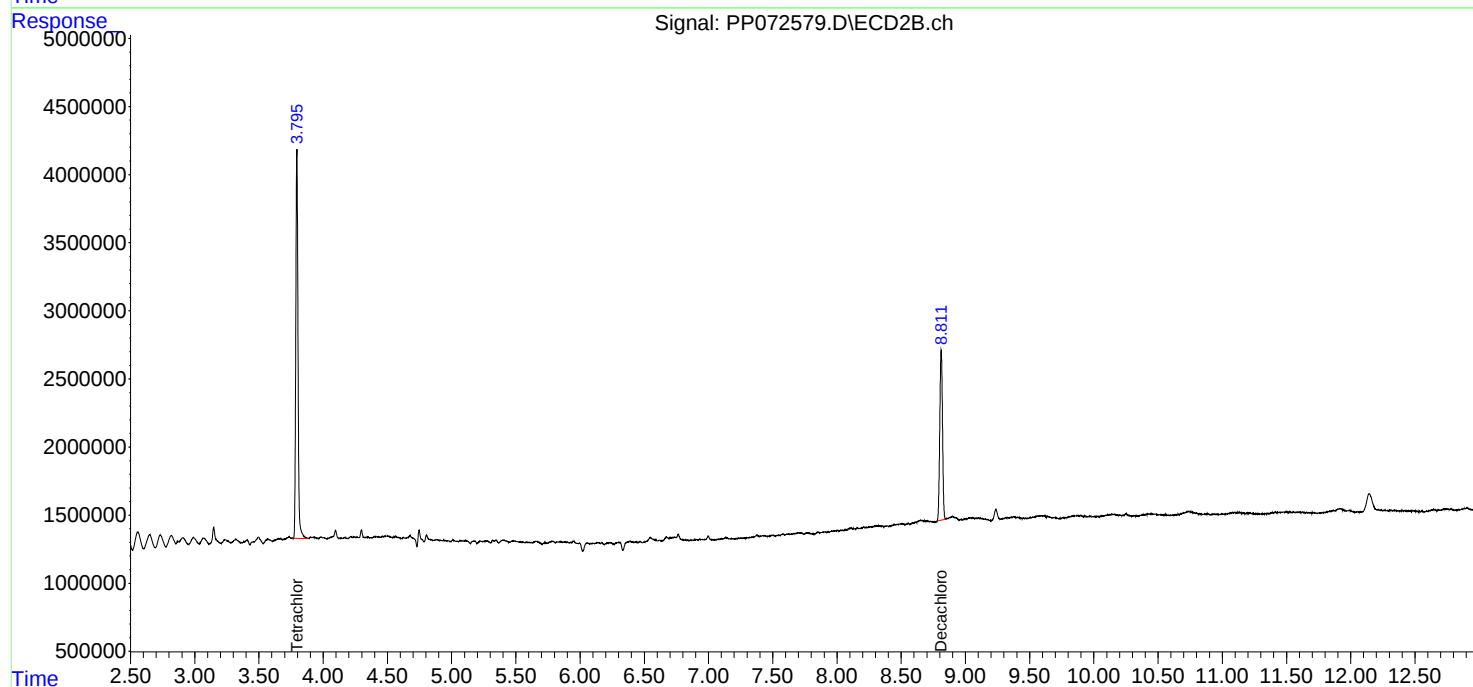
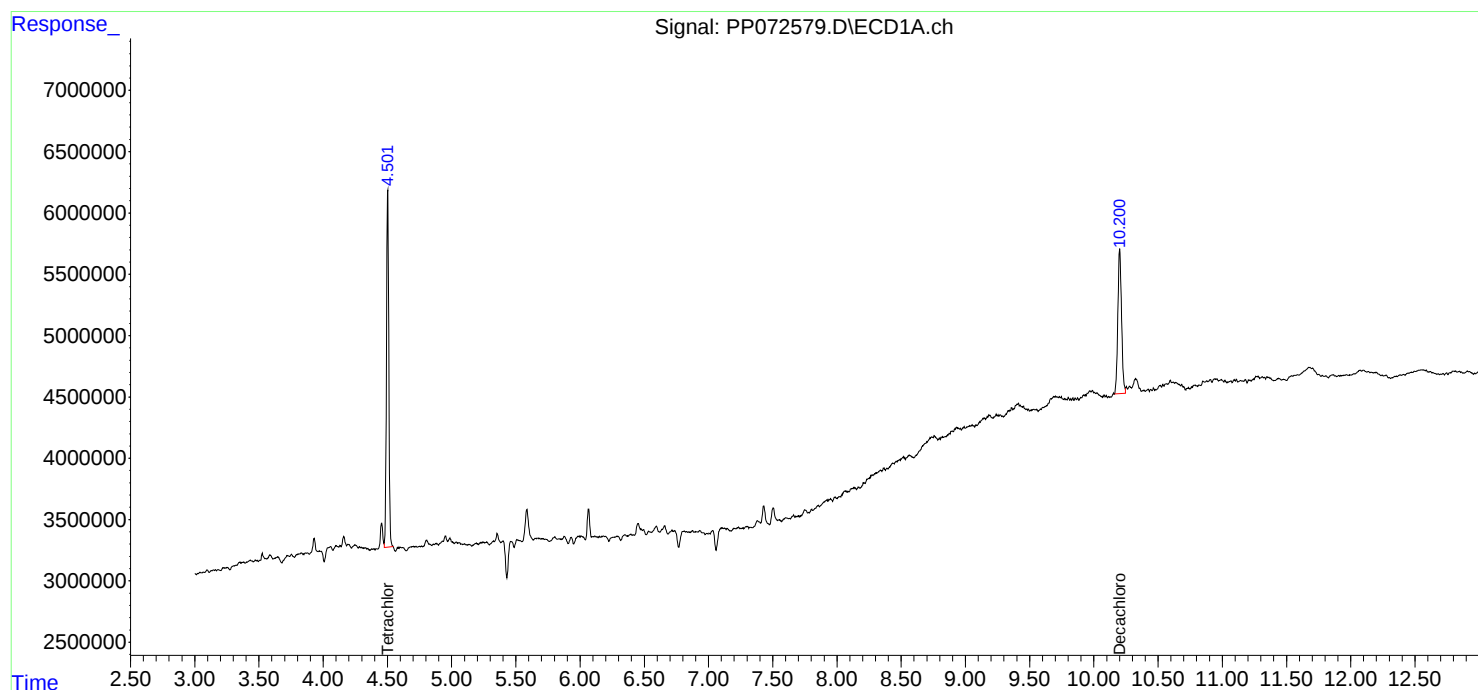
Instrument :
ECD_P
ClientSampleId :
B-187-SB01

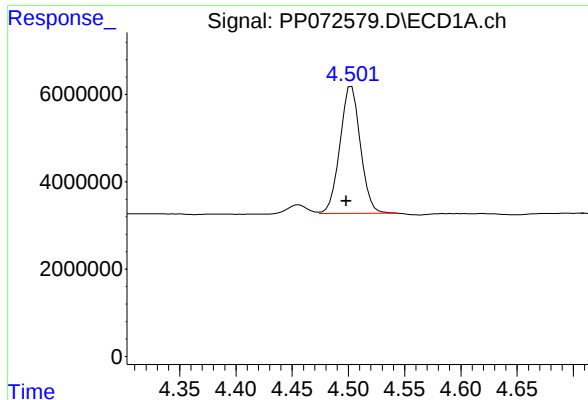
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





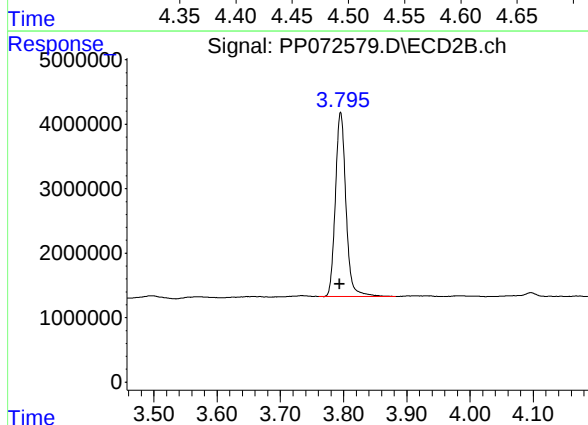
#1 Tetrachloro-m-xylene

R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 36909353
Conc: 18.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-187-SB01

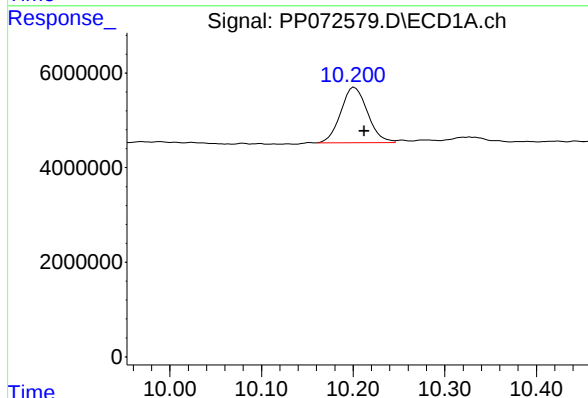
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



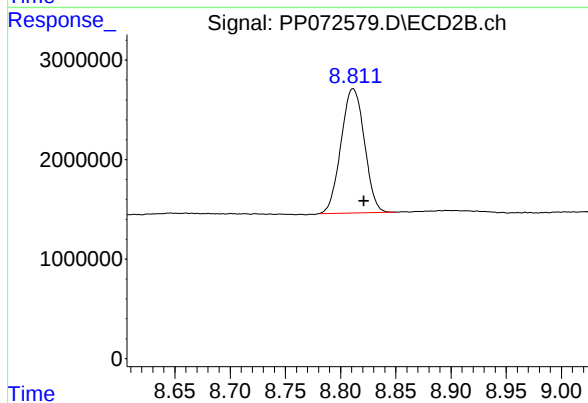
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.002 min
Response: 33123564
Conc: 20.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.201 min
Delta R.T.: -0.011 min
Response: 23838811
Conc: 14.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.811 min
Delta R.T.: -0.010 min
Response: 18434306
Conc: 17.41 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	62.8
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072580.D	1	06/03/25 09:30	06/03/25 20:31	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	6.30	U	6.30	27.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	27.0	ug/kg
11141-16-5	Aroclor-1232	5.90	U	5.90	27.0	ug/kg
53469-21-9	Aroclor-1242	6.40	U	6.40	27.0	ug/kg
12672-29-6	Aroclor-1248	9.40	U	9.40	27.0	ug/kg
11097-69-1	Aroclor-1254	5.10	U	5.10	27.0	ug/kg
37324-23-5	Aroclor-1262	8.00	U	8.00	27.0	ug/kg
11100-14-4	Aroclor-1268	5.70	U	5.70	27.0	ug/kg
11096-82-5	Aroclor-1260	5.10	U	5.10	27.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		30 (32) - 150 (144)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		30 (32) - 150 (175)	77%	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\PP060325\
 Data File : PP072580.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 20:31
 Operator : YP\AJ
 Sample : Q2177-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-187-SB02

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:37:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.497	3.795	36118127	33300068	17.962	20.834
2) SA Decachlor...	10.194	8.809	21764610	16314604	13.360m	15.411m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:31
Operator : YP\AJ
Sample : Q2177-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

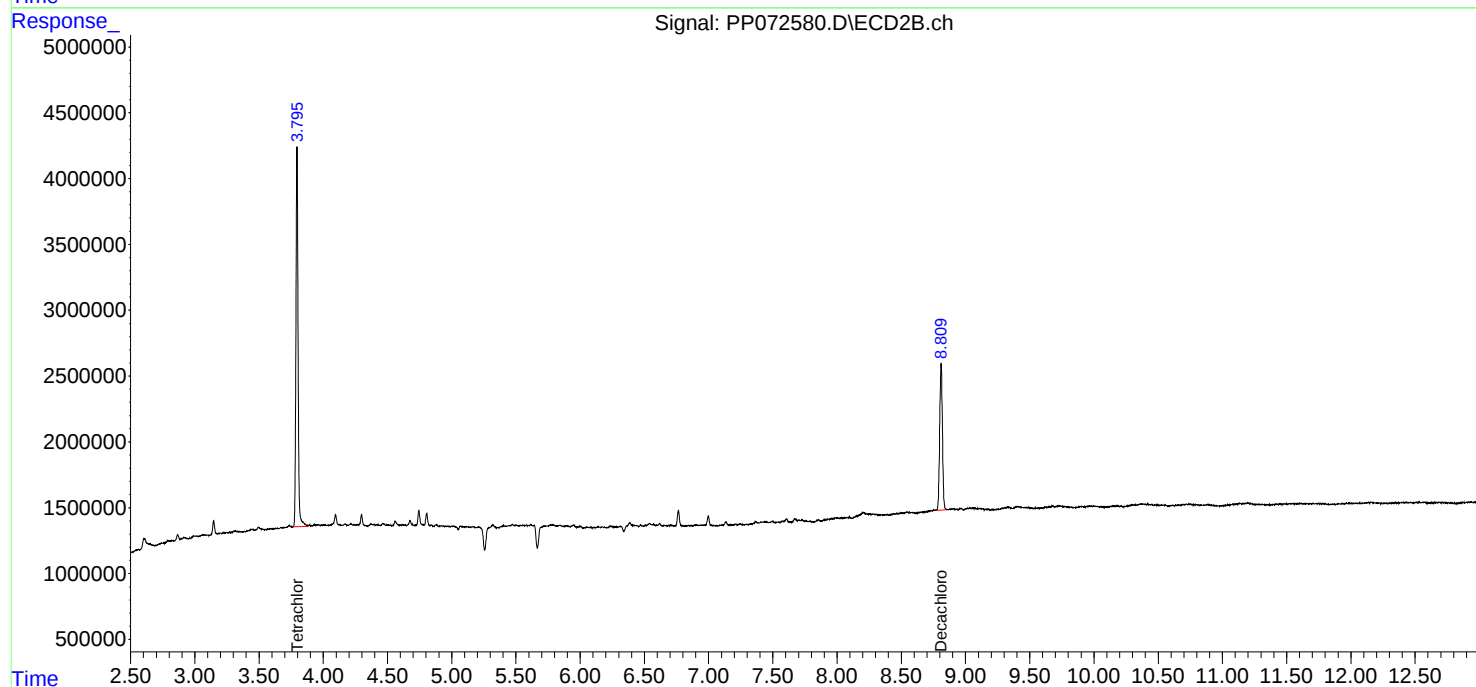
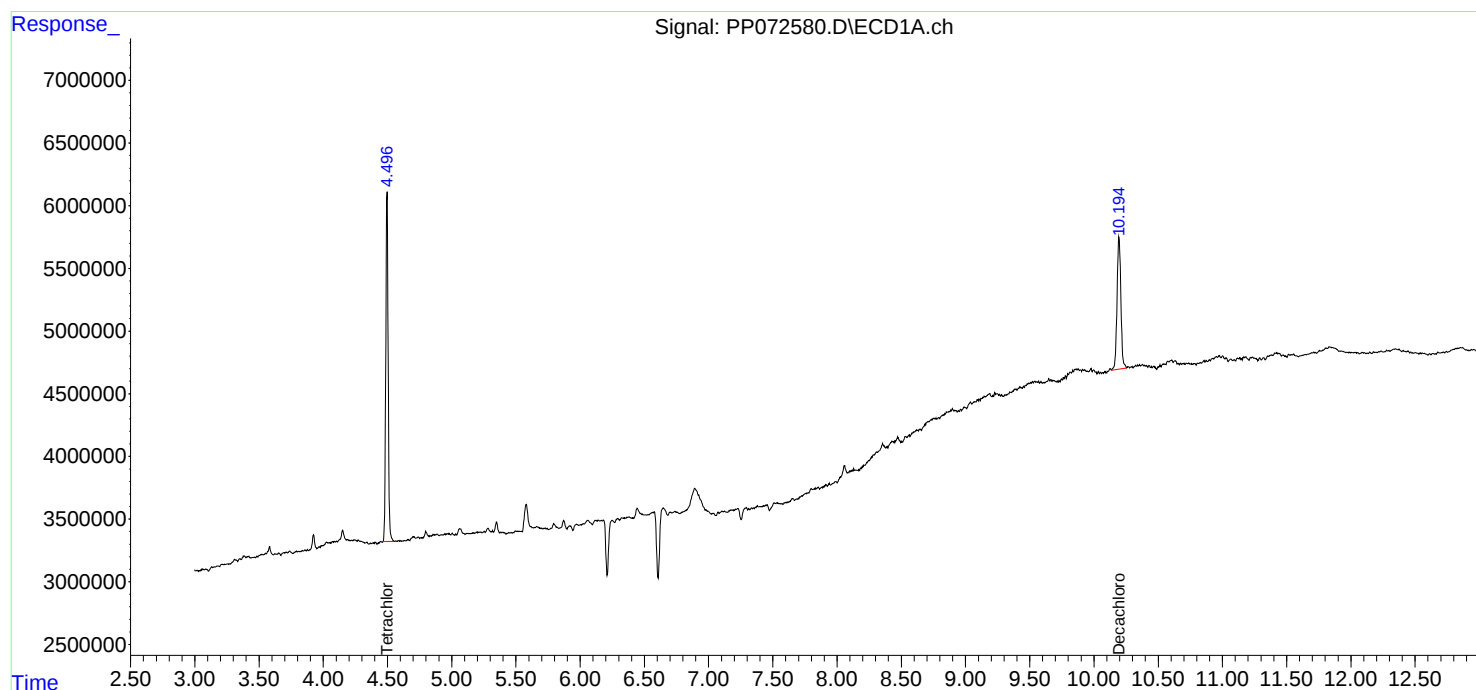
Instrument :
ECD_P
ClientSampleId :
B-187-SB02

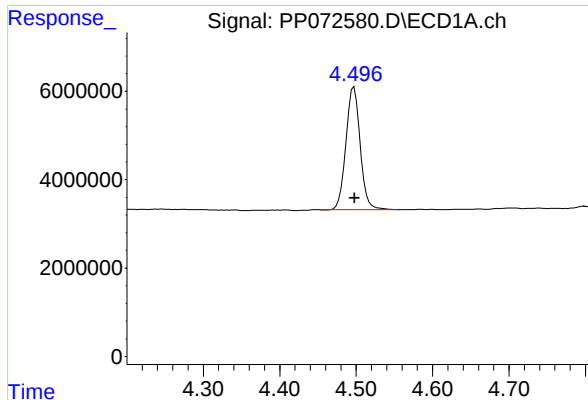
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





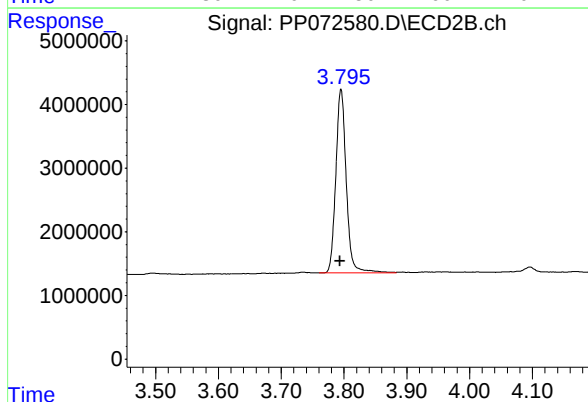
#1 Tetrachloro-m-xylene

R.T.: 4.497 min
 Delta R.T.: -0.001 min
 Response: 36118127
 Conc: 17.96 ng/ml

Instrument :
 ECD_P
 ClientSampleId :
 B-187-SB02

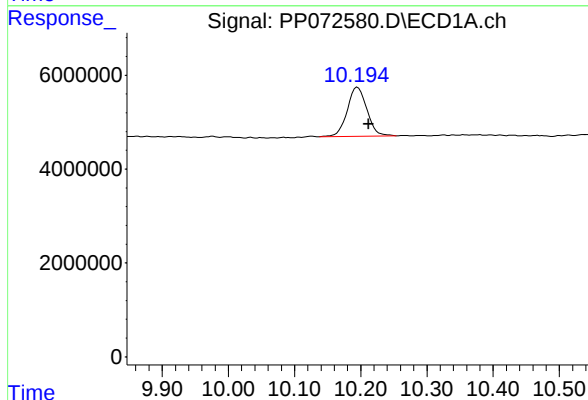
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025



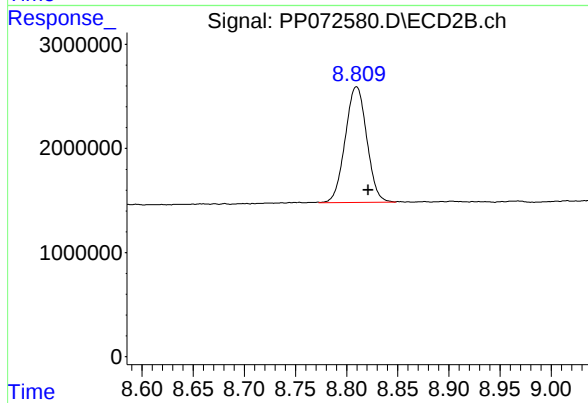
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
 Delta R.T.: 0.002 min
 Response: 33300068
 Conc: 20.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.194 min
 Delta R.T.: -0.018 min
 Response: 21764610
 Conc: 13.36 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.809 min
 Delta R.T.: -0.012 min
 Response: 16314604
 Conc: 15.41 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072581.D	1	06/03/25 09:30	06/03/25 20:48	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.9	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.9	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	19.9	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.9	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.9	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	19.9	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.9	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.9	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		30 (32) - 150 (144)	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		30 (32) - 150 (175)	109%	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\PP060325\
 Data File : PP072581.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 20:48
 Operator : YP\AJ
 Sample : Q2177-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-202-SB01

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:38:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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 System Monitoring Compounds

1) SA Tetrachlo...	4.502	3.795	41161641	38502501	20.470m	24.089
2) SA Decachlor...	10.200	8.810	30482591	23027738	18.711m	21.753m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:48
Operator : YP\AJ
Sample : Q2177-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

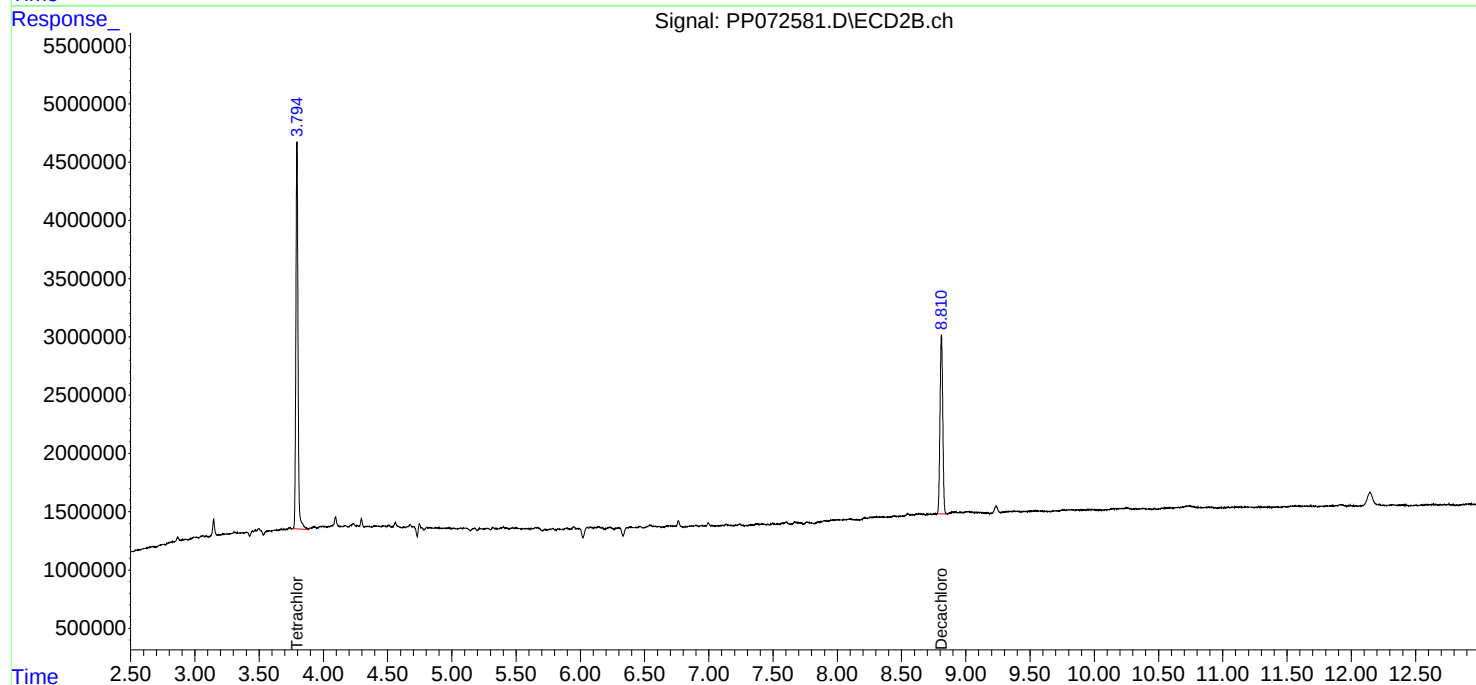
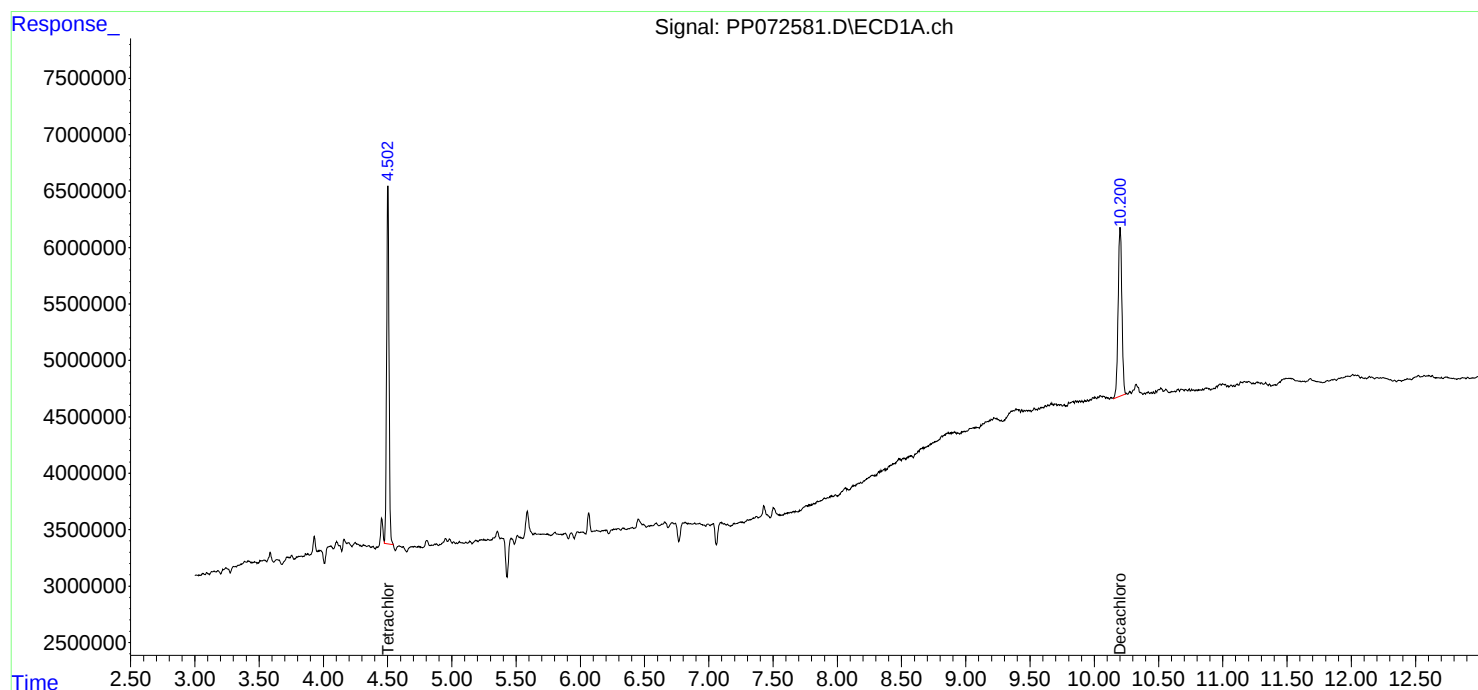
Instrument :
ECD_P
ClientSampleId :
B-202-SB01

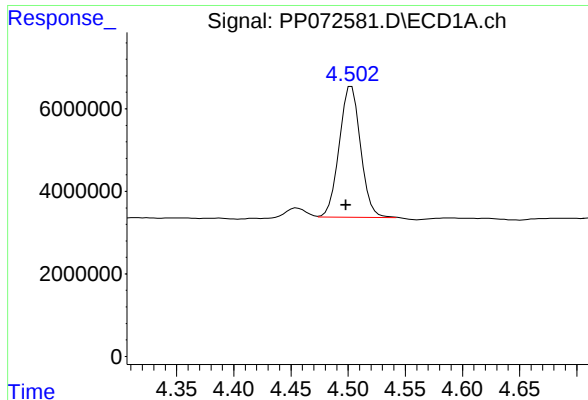
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:38:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





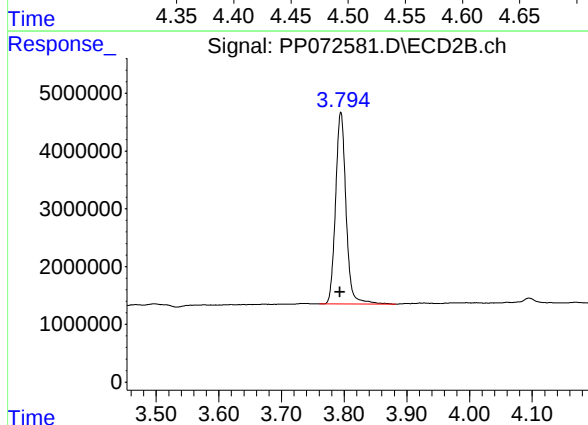
#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 41161641
Conc: 20.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-202-SB01

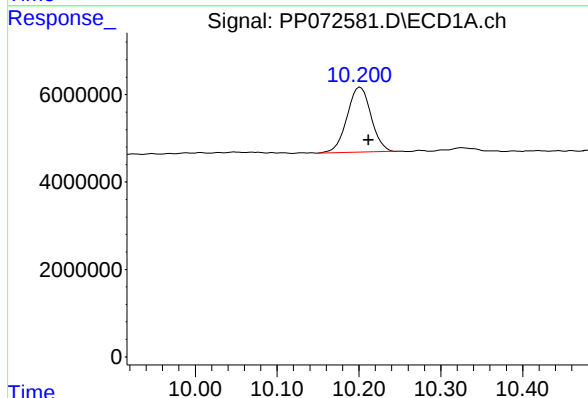
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



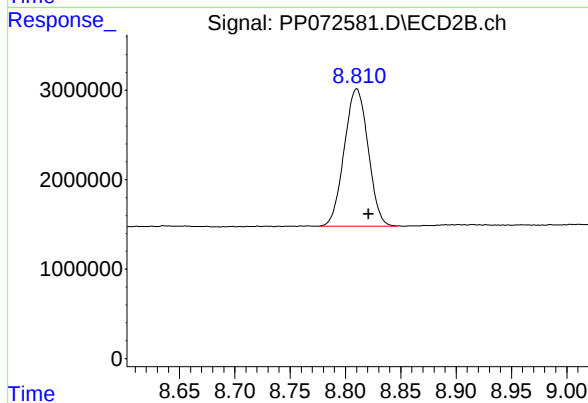
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.001 min
Response: 38502501
Conc: 24.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 30482591
Conc: 18.71 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: -0.011 min
Response: 23027738
Conc: 21.75 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	490	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111445.D	1	06/03/25 09:03	06/03/25 20:41	PB168257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.099	U	0.099	0.51	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.098	U	0.098	0.51	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.072	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.096	U	0.096	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.083	U	0.083	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		30 (30) - 150 (173)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		30 (10) - 150 (173)	77%	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\P0060325\
 Data File : PO111445.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 20:41
 Operator : YP/AJ
 Sample : Q2177-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 EB05312025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:37:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 07:11:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.681	3.677	134.4E6	114.6E6	22.841	21.016
2) SA Decachlor...	8.717	8.666	79530138	27754512	15.404	15.001

Target Compounds

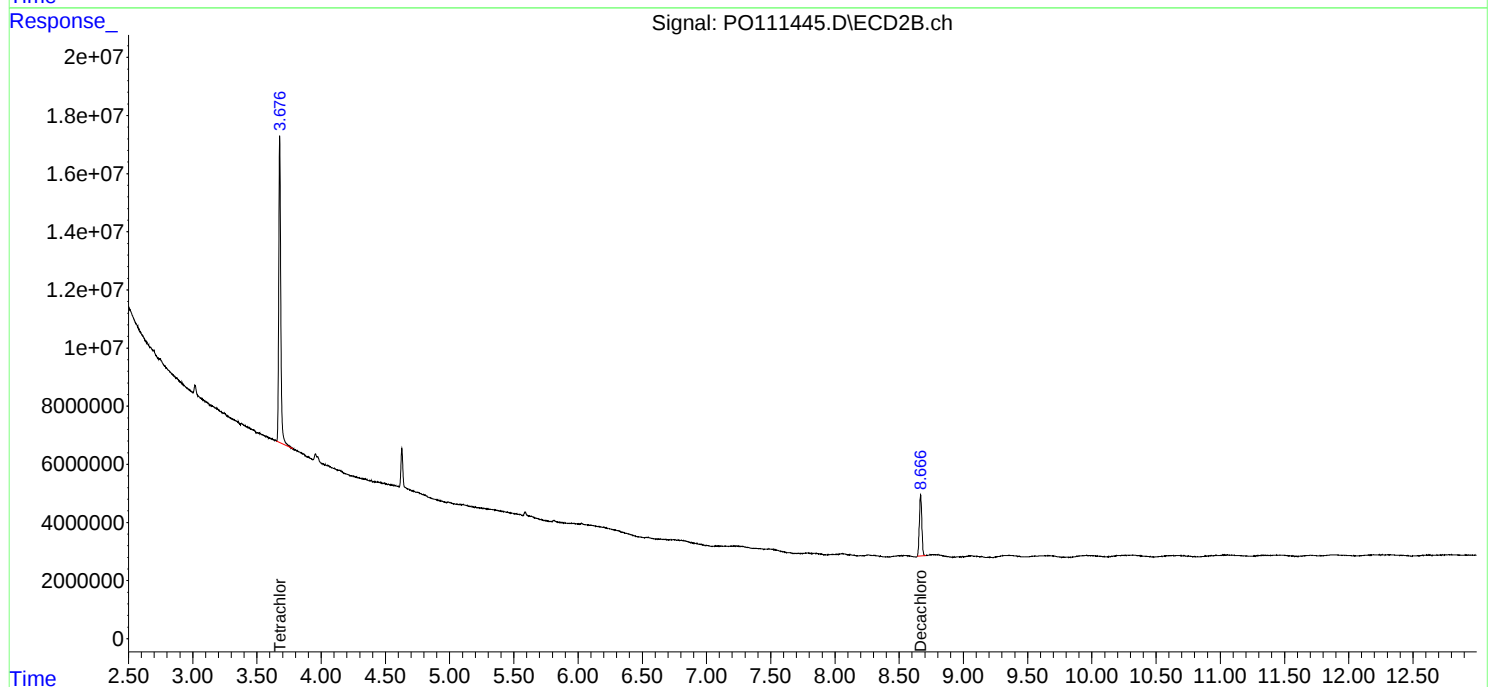
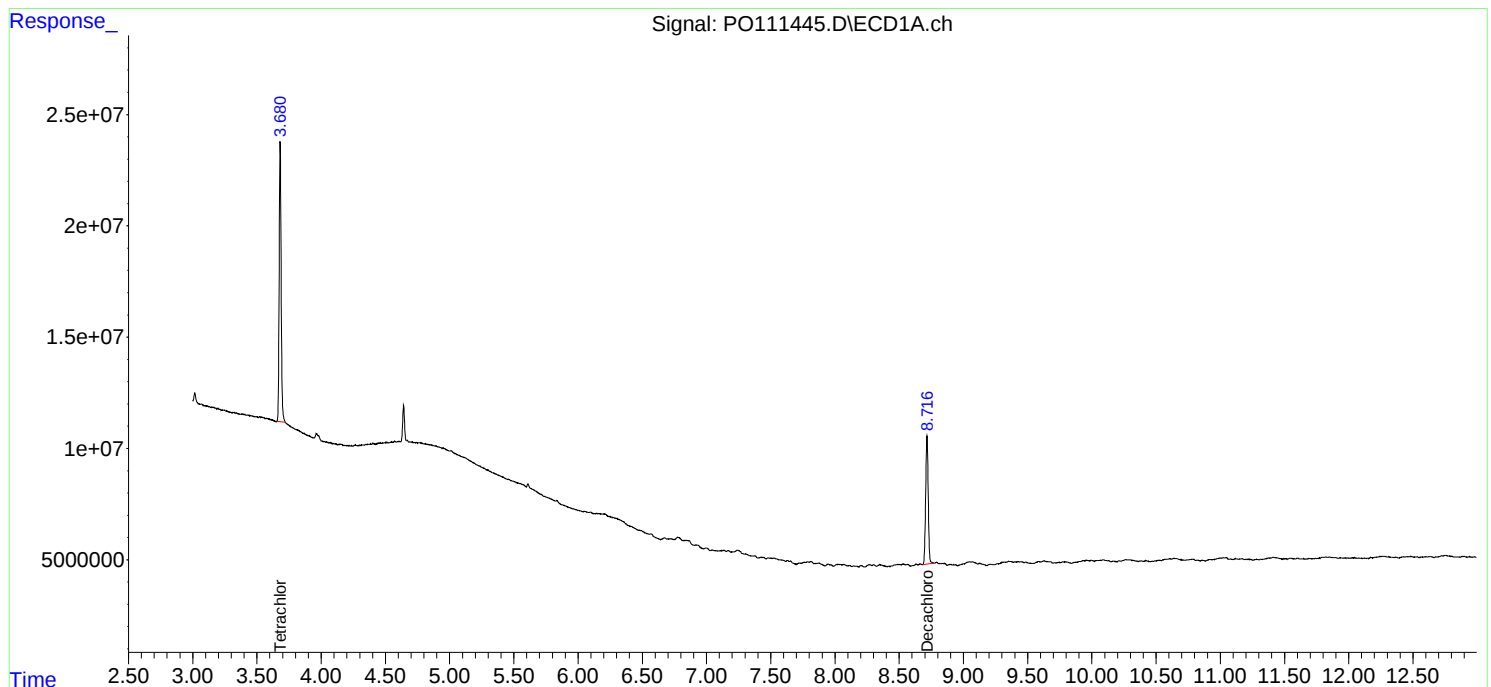
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

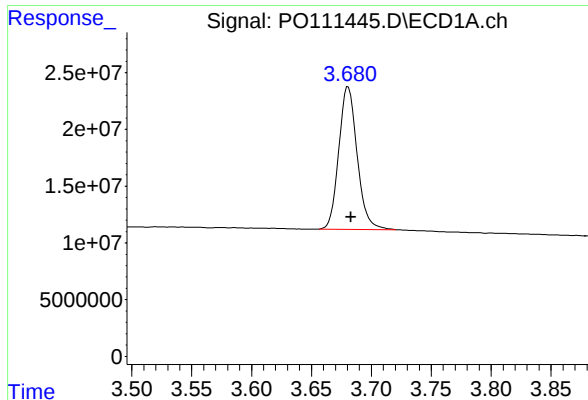
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060325\
Data File : PO111445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:41
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
EB05312025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

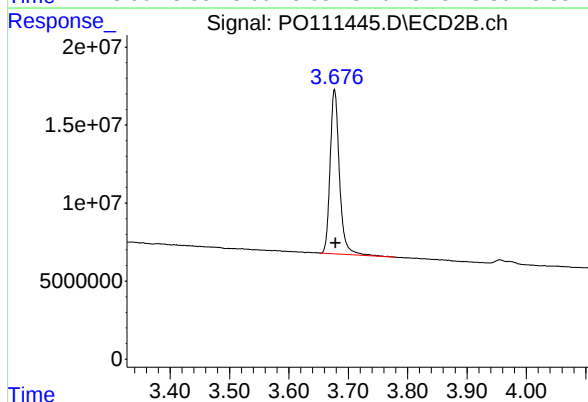




#1 Tetrachloro-m-xylene

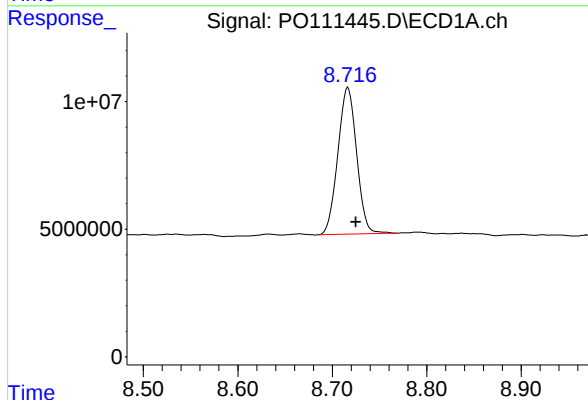
R.T.: 3.681 min
Delta R.T.: -0.002 min
Response: 134381054
Conc: 22.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
EB05312025



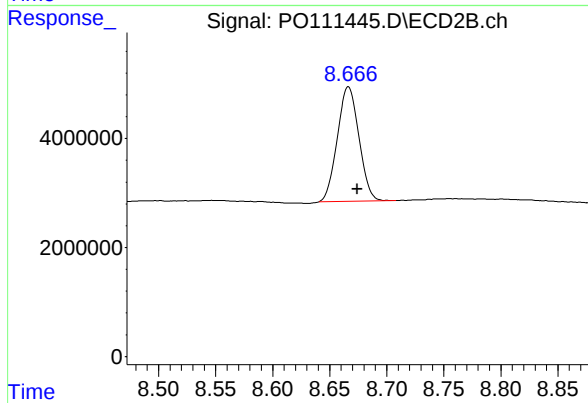
#1 Tetrachloro-m-xylene

R.T.: 3.677 min
Delta R.T.: -0.002 min
Response: 114566534
Conc: 21.02 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.717 min
Delta R.T.: -0.008 min
Response: 79530138
Conc: 15.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.666 min
Delta R.T.: -0.008 min
Response: 27754512
Conc: 15.00 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
Instrument ID: ECD_O **Calibration Date(s):** 05/14/2025 05/15/2025
Calibration Times: 17:19 01:31

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

LAB FILE ID:	RT 1000 = <u>PO111058.D</u>	RT 750 = <u>PO111059.D</u>
RT 500 = <u>PO111060.D</u>	RT 250 = <u>PO111061.D</u>	RT 050 = <u>PO111062.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1016-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.27	6.27	6.27	6.27	6.27	6.27	6.17	6.37
Aroclor-1260-2	(2)	6.46	6.46	6.46	6.46	6.45	6.46	6.36	6.56
Aroclor-1260-3	(3)	6.82	6.82	6.82	6.82	6.82	6.82	6.72	6.92
Aroclor-1260-4	(4)	7.08	7.08	7.08	7.08	7.08	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.33	7.33	7.33	7.32	7.32	7.33	7.23	7.43
Decachlorobiphenyl		8.73	8.73	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1242-2	(2)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-3	(3)	4.85	4.85	4.85	4.85	4.85	4.85	4.75	4.95
Aroclor-1242-4	(4)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.72	8.72	8.73	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.23	5.23	5.23	5.22	5.23	5.23	5.13	5.33
Aroclor-1248-4	(4)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Decachlorobiphenyl		8.73	8.73	8.72	8.72	8.72	8.72	8.62	8.82
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-2	(2)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-3	(3)	7.88	7.88	7.88	7.88	7.88	7.88	7.78	7.98
Aroclor-1268-4	(4)	8.17	8.17	8.17	8.17	8.17	8.17	8.07	8.27
Aroclor-1268-5	(5)	8.46	8.47	8.47	8.46	8.46	8.46	8.36	8.56

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>PORT06</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2177</u>	SAS No.:	<u>Q2177</u>	SDG NO.:	<u>Q2177</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>05/14/2025</u>	<u>05/15/2025</u>		
		Calibration Times:		<u>17:19</u>	<u>01:31</u>		

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

LAB FILE ID: RT 1000 = PO111058.D RT 750 = PO111059.D
RT 500 = PO111060.D RT 250 = PO111061.D RT 050 = PO111062.D

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
Instrument ID: ECD_O
Calibration Date(s): 05/14/2025 05/15/2025
Calibration Times: 17:19 01:31

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

LAB FILE ID:		CF 1000 = <u>PO111058.D</u>		CF 750 = <u>PO111059.D</u>			
CF 500 = <u>PO111060.D</u>		CF 250 = <u>PO111061.D</u>		CF 050 = <u>PO111062.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	205952128	213833112	226414102	241684928	237394280	225055710 7
Aroclor-1016-2	(2)	293931044	310127113	321220528	340419712	328971000	318933879 6
Aroclor-1016-3	(3)	200116672	210641735	220217832	233629012	221015000	217124050 6
Aroclor-1016-4	(4)	160298181	168708089	176290662	187854588	177589060	174148116 6
Aroclor-1016-5	(5)	161898024	175820952	178167232	187226608	176844020	175991367 5
Aroclor-1260-1	(1)	277561674	293756041	305741896	331877740	315901980	304967866 7
Aroclor-1260-2	(2)	349775279	367746601	383860622	411536992	401831460	382950191 7
Aroclor-1260-3	(3)	317018248	333963835	348833732	373392584	369733400	348588360 7
Aroclor-1260-4	(4)	251785051	267674384	282392668	305806136	292149520	279961552 8
Aroclor-1260-5	(5)	680936092	706872008	727490352	760116820	724090440	719901142 4
Decachlorobiphenyl		4789049460	4988917347	5187039280	5515117840	5334237200	5162872225 6
Tetrachloro-m-xylene		5665666390	5873534533	6010307880	6167763840	5698750600	5883204649 4
Aroclor-1242-1	(1)	176697919	185695675	196416184	207079416	190109540	191199747 6
Aroclor-1242-2	(2)	257720398	267748761	279433570	293144628	262025820	272014635 5
Aroclor-1242-3	(3)	175187474	182923969	192610042	201232700	177980140	185986865 6
Aroclor-1242-4	(4)	140203851	146287348	153093646	159943472	139472860	147800235 6
Aroclor-1242-5	(5)	145186142	152022244	159321518	169027516	152152160	155541916 6
Decachlorobiphenyl		4774382260	4985278507	5225823760	5476782920	5013508400	5095155169 5
Tetrachloro-m-xylene		5680960800	5831614707	6040672820	6174416800	5348804000	5815293825 6
Aroclor-1248-1	(1)	138162515	145942143	153069466	163443424	165211980	153165906 8
Aroclor-1248-2	(2)	182760569	190399631	201027290	214399212	214001160	200517572 7
Aroclor-1248-3	(3)	227450486	238283761	250971210	267719672	295599780	256004982 10
Aroclor-1248-4	(4)	324783137	336810133	356284496	381846900	411181480	362181229 10
Aroclor-1248-5	(5)	233936098	243272008	257408728	275769428	299891040	262055460 10
Decachlorobiphenyl		4861959910	5031694707	5278313240	5604075320	5730172600	5301243155 7
Tetrachloro-m-xylene		5864549650	6045437613	6209272300	6477502560	6275643200	6174481065 4
Aroclor-1254-1	(1)	338668376	359337472	379562628	402119132	418187300	379574982 8
Aroclor-1254-2	(2)	291859728	310115756	327944084	347727744	356229960	326775454 8
Aroclor-1254-3	(3)	475332844	499809000	523764968	549245752	582561520	526142817 8
Aroclor-1254-4	(4)	302105681	318736953	335883014	351987900	371678540	336078418 8
Aroclor-1254-5	(5)	429218631	452008725	475302254	500931908	514812140	474454732 7
Decachlorobiphenyl		4923933440	5141137400	5443620080	5700682920	5862774600	5414429688 7
Tetrachloro-m-xylene		5948877150	6190104627	6408412200	6583454240	6338928400	6293955323 4
Aroclor-1268-1	(1)	930869745	936595251	978341018	1015935428	986319920	969612272 4



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	856384474	860524951	901691384	934576100	909379560	892511294	4
Aroclor-1268-3	(3)	718671507	725558572	764699306	799960100	785246420	758827181	5
Aroclor-1268-4	(4)	311213814	313193287	331181486	347305704	329997080	326578274	5
Aroclor-1268-5	(5)	2117705977	2107339941	2194587578	2235031552	2137458100	2158424630	3
Decachlorobiphenyl		8888535700	9012836760	9503909100	9956674120	9729229000	9418236936	5
Tetrachloro-m-xylene		6171599970	6168104493	6441282720	6673989440	6170217200	6325038765	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
Instrument ID: ECD_O
Calibration Date(s): 05/14/2025 05/15/2025
Calibration Times: 17:19 01:31

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

LAB FILE ID:		CF 1000 = <u>PO111058.D</u>		CF 750 = <u>PO111059.D</u>			
CF 500 = <u>PO111060.D</u>		CF 250 = <u>PO111061.D</u>		CF 050 = <u>PO111062.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	175951340	184131151	190391494	201135208	203027340	6
Aroclor-1016-2	(2)	259304006	268965180	279695444	293662868	283996940	5
Aroclor-1016-3	(3)	136562816	142759844	148101780	155422472	147528240	5
Aroclor-1016-4	(4)	108537077	112835540	120886250	129636068	128548860	8
Aroclor-1016-5	(5)	141286439	151385859	154206636	161907480	163215520	6
Aroclor-1260-1	(1)	230380518	239225432	248869338	264781264	266186040	6
Aroclor-1260-2	(2)	272772980	284661173	294194664	310691584	309118120	5
Aroclor-1260-3	(3)	260160385	271476124	281551496	303268832	317136960	8
Aroclor-1260-4	(4)	184546577	192670083	200645580	215256196	210698140	6
Aroclor-1260-5	(5)	441090120	451615468	461646416	479352764	464333260	3
Decachlorobiphenyl		1699216120	1787921307	1869222220	1982547480	1911821600	6
Tetrachloro-m-xylene		5406429520	5548905467	5601909540	5641328400	5058606000	4
Aroclor-1242-1	(1)	150759764	157292616	165241112	172974524	159265900	5
Aroclor-1242-2	(2)	223621907	231686419	240612100	250441092	226668900	5
Aroclor-1242-3	(3)	118098683	122379071	128101210	133446692	116067680	6
Aroclor-1242-4	(4)	114724574	119985329	127001834	134027396	122337120	6
Aroclor-1242-5	(5)	142391198	148226844	155505330	163277824	150532140	5
Decachlorobiphenyl		1649752350	1732528187	1806674400	1933059040	1771454800	6
Tetrachloro-m-xylene		5396035140	5504454880	5603860600	5606837360	4728358600	7
Aroclor-1248-1	(1)	116677575	122377953	128716756	138512244	142355880	8
Aroclor-1248-2	(2)	159784658	166591041	175162942	187618608	190301260	7
Aroclor-1248-3	(3)	169685896	176680541	185649606	199757956	206297360	8
Aroclor-1248-4	(4)	198935902	206440528	216987222	226820008	250016460	9
Aroclor-1248-5	(5)	198293592	205844156	215149564	228236984	244101860	8
Decachlorobiphenyl		1675757640	1739961147	1894631500	1998157320	2119618200	10
Tetrachloro-m-xylene		5392118780	5499156400	5577007680	5634478280	5189850400	3
Aroclor-1254-1	(1)	294845056	308276565	323607480	339068536	354395480	7
Aroclor-1254-2	(2)	254192198	266619067	281454614	297953104	316004460	9
Aroclor-1254-3	(3)	400479051	415178477	433542960	448248844	459811580	6
Aroclor-1254-4	(4)	228881544	238106540	250287146	259634416	259809520	6
Aroclor-1254-5	(5)	318351803	329524227	344594700	358702264	378528780	7
Decachlorobiphenyl		1730307610	1804634267	1900572880	2018627520	2049052800	7
Tetrachloro-m-xylene		5453750800	5591916973	5732062480	5726435600	5385705600	3
Aroclor-1268-1	(1)	505658591	508360996	529570342	550274560	556601860	4



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	460495321	464888113	483851588	503248308	499197120	482336090	4
Aroclor-1268-3	(3)	328655790	333834055	349506788	366413796	363835440	348449174	5
Aroclor-1268-4	(4)	119697414	122740856	130580600	138639360	124687920	127269230	6
Aroclor-1268-5	(5)	727936615	731233425	757715258	780322444	766884820	752818512	3
Decachlorobiphenyl		3022618140	3077226480	3258756880	3437439920	3301382200	3219484724	5
Tetrachloro-m-xylene		5636439670	5594566640	5754942040	5800136080	5153076200	5587832126	5



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_O Date(s) Analyzed: 05/14/2025 05/15/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.90	3.80	4.00	87106400
		2	3.98	3.88	4.08	63703800
		3	4.06	3.96	4.16	192327000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	153174000
		2	4.55	4.45	4.65	81946400
		3	4.79	4.69	4.89	152927000
		4	4.97	4.87	5.07	82251400
		5	5.01	4.91	5.11	54259200
Aroclor-1262	500	1	6.82	6.72	6.92	486664000
		2	7.33	7.23	7.43	808494000
		3	7.61	7.51	7.71	338264000
		4	7.67	7.57	7.77	590414000
		5	8.17	8.07	8.27	285216000



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_O Date(s) Analyzed: 05/14/2025 05/15/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.89	3.79	3.99	73843000
		2	3.98	3.88	4.08	54414200
		3	4.05	3.95	4.15	167101000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	130595000
		2	4.78	4.68	4.88	131160000
		3	4.95	4.85	5.05	68071600
		4	5.04	4.94	5.14	61676400
		5	5.21	5.11	5.31	65732600
Aroclor-1262	500	1	6.79	6.69	6.89	340780000
		2	7.29	7.19	7.39	502862000
		3	7.57	7.47	7.67	187635000
		4	7.64	7.54	7.74	330230000
		5	8.13	8.03	8.23	112306000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111058.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 17:19
 Operator : YP/AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 18:08:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed May 14 18:04:23 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...	3.683	3.679	566.6E6	540.6E6	97.048	98.224
2) SA Decachlor...	8.725	8.674	478.9E6	169.9E6	96.011	95.236
Target Compounds						
3) L1 AR-1016-1	4.774	4.758	206.0E6	176.0E6	952.674	960.583
4) L1 AR-1016-2	4.792	4.777	293.9E6	259.3E6	955.638	962.168
5) L1 AR-1016-3	4.849	4.952	200.1E6	136.6E6	952.178	959.465
6) L1 AR-1016-4	4.969	4.995	160.3E6	108.5E6	952.487	946.173
7) L1 AR-1016-5	5.226	5.207	161.9E6	141.3E6	952.159	956.276
31) L7 AR-1260-1	6.265	6.238	277.6E6	230.4E6	951.689	961.421
32) L7 AR-1260-2	6.456	6.426	349.8E6	272.8E6	953.539	962.217
33) L7 AR-1260-3	6.822	6.579	317.0E6	260.2E6	952.218	960.512
34) L7 AR-1260-4	7.083	7.049	251.8E6	184.5E6	942.701	958.205
35) L7 AR-1260-5	7.325	7.290	680.9E6	441.1E6	966.946	977.229

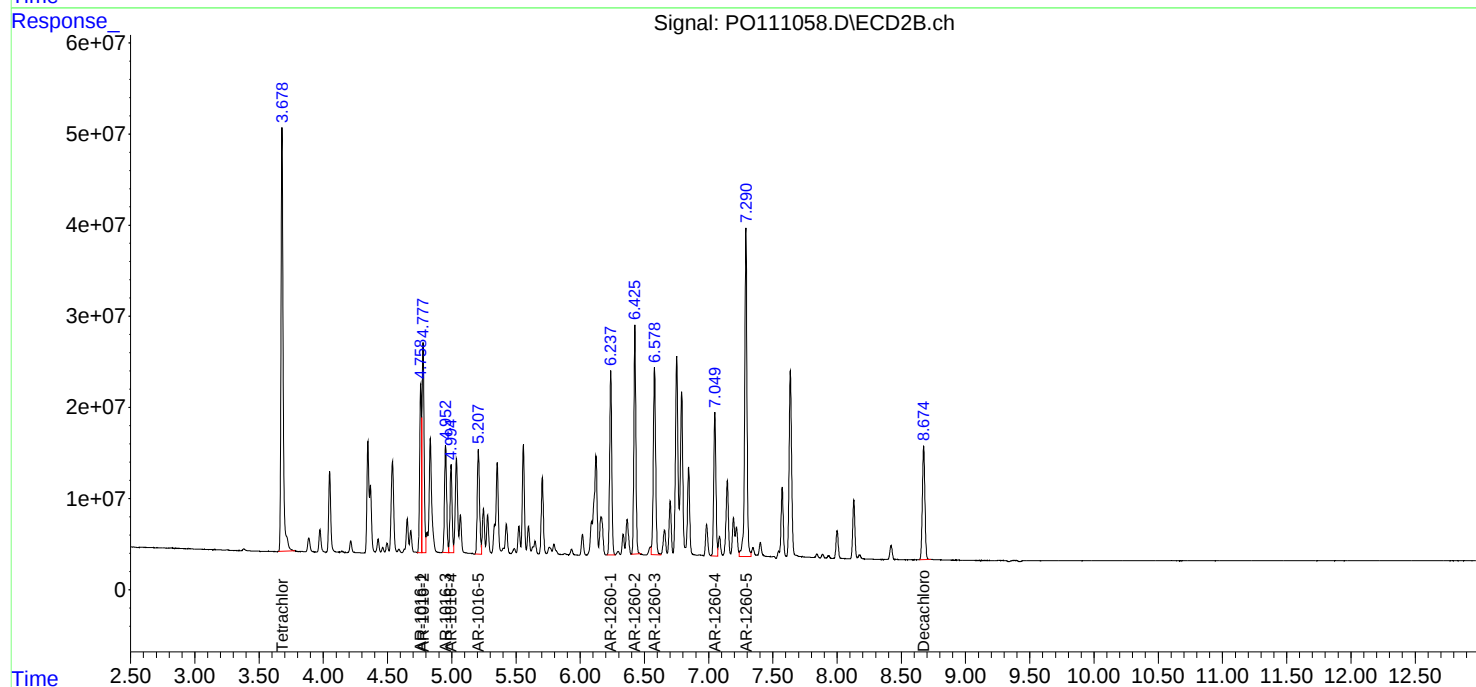
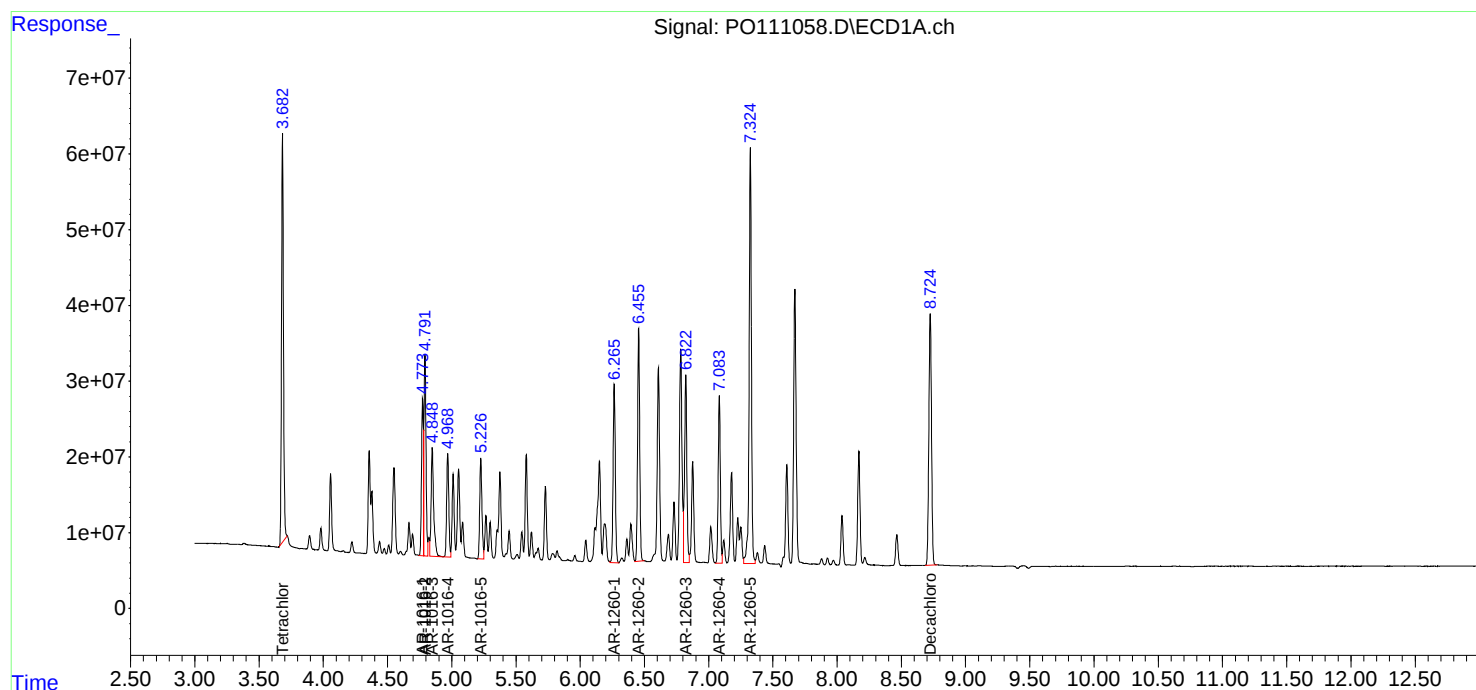
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:19
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:08:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111059.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 17:38
 Operator : YP/AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 18:11:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed May 14 18:04:23 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...	3.682	3.679	440.5E6	416.2E6	75.304	75.405
2) SA Decachlor...	8.725	8.674	374.2E6	134.1E6	75.009	75.104
Target Compounds						
3) L1 AR-1016-1	4.773	4.759	160.4E6	138.1E6	744.545	752.615
4) L1 AR-1016-2	4.792	4.777	232.6E6	201.7E6	754.136	749.008
5) L1 AR-1016-3	4.848	4.953	158.0E6	107.1E6	751.128	751.500
6) L1 AR-1016-4	4.968	4.995	126.5E6	84626655	751.228	741.778
7) L1 AR-1016-5	5.226	5.208	131.9E6	113.5E6	766.830	762.216
31) L7 AR-1260-1	6.266	6.238	220.3E6	179.4E6	753.599	749.166
32) L7 AR-1260-2	6.455	6.427	275.8E6	213.5E6	751.265	752.074
33) L7 AR-1260-3	6.822	6.578	250.5E6	203.6E6	751.557	751.527m
34) L7 AR-1260-4	7.083	7.050	200.8E6	144.5E6	751.095	750.192
35) L7 AR-1260-5	7.325	7.291	530.2E6	338.7E6	751.885	750.274

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:38
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

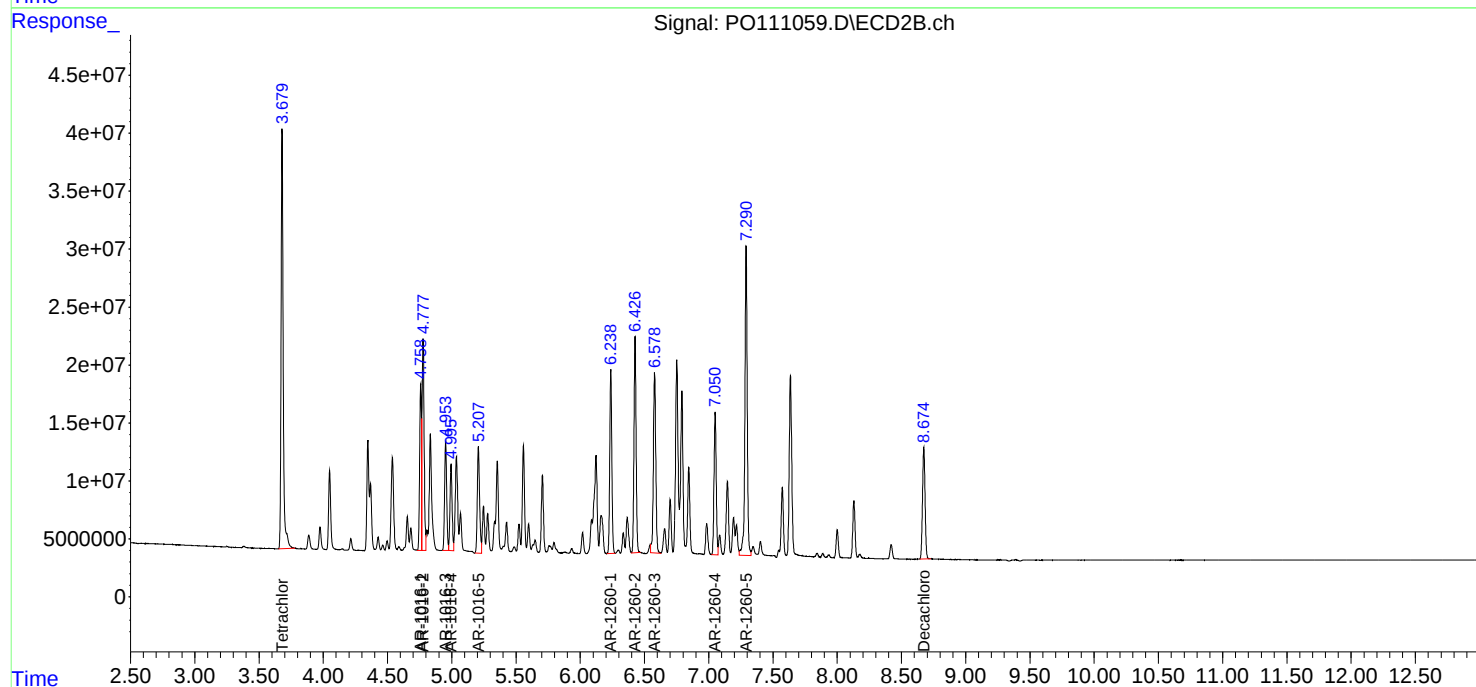
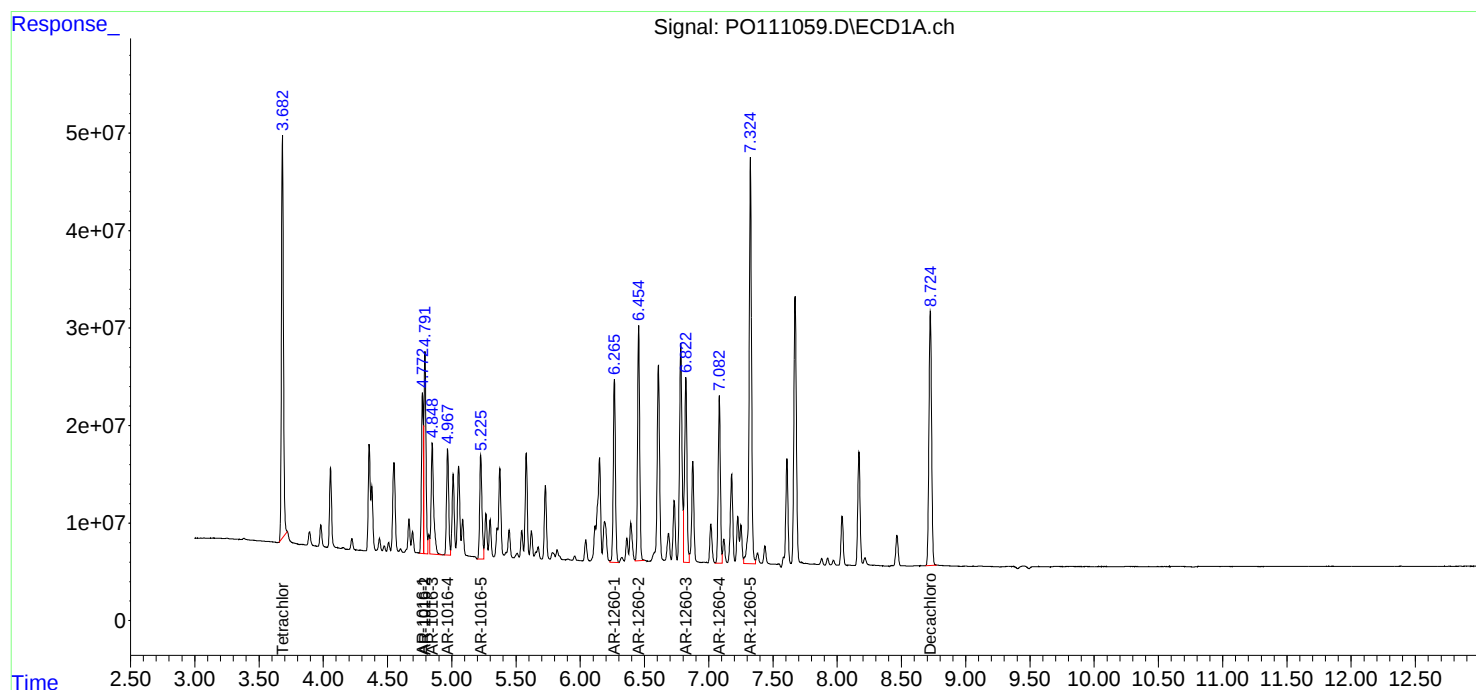
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111060.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 17:56
 Operator : YP/AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 18:04:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed May 14 18:04:23 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...	3.682	3.679	300.5E6	280.1E6	50.000	50.000
2) SA Decachlor...	8.724	8.674	259.4E6	93461111	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	4.773	4.758	113.2E6	95195747	500.000	500.000
4) L1 AR-1016-2	4.792	4.777	160.6E6	139.8E6	500.000	500.000
5) L1 AR-1016-3	4.849	4.952	110.1E6	74050890	500.000	500.000
6) L1 AR-1016-4	4.969	4.994	88145331	60443125	500.000	500.000
7) L1 AR-1016-5	5.226	5.207	89083616	77103318	500.000	500.000
31) L7 AR-1260-1	6.266	6.238	152.9E6	124.4E6	500.000	500.000
32) L7 AR-1260-2	6.455	6.426	191.9E6	147.1E6	500.000	500.000
33) L7 AR-1260-3	6.822	6.579	174.4E6	140.8E6	500.000	500.000
34) L7 AR-1260-4	7.083	7.049	141.2E6	100.3E6	500.000	500.000
35) L7 AR-1260-5	7.325	7.291	363.7E6	230.8E6	500.000	500.000

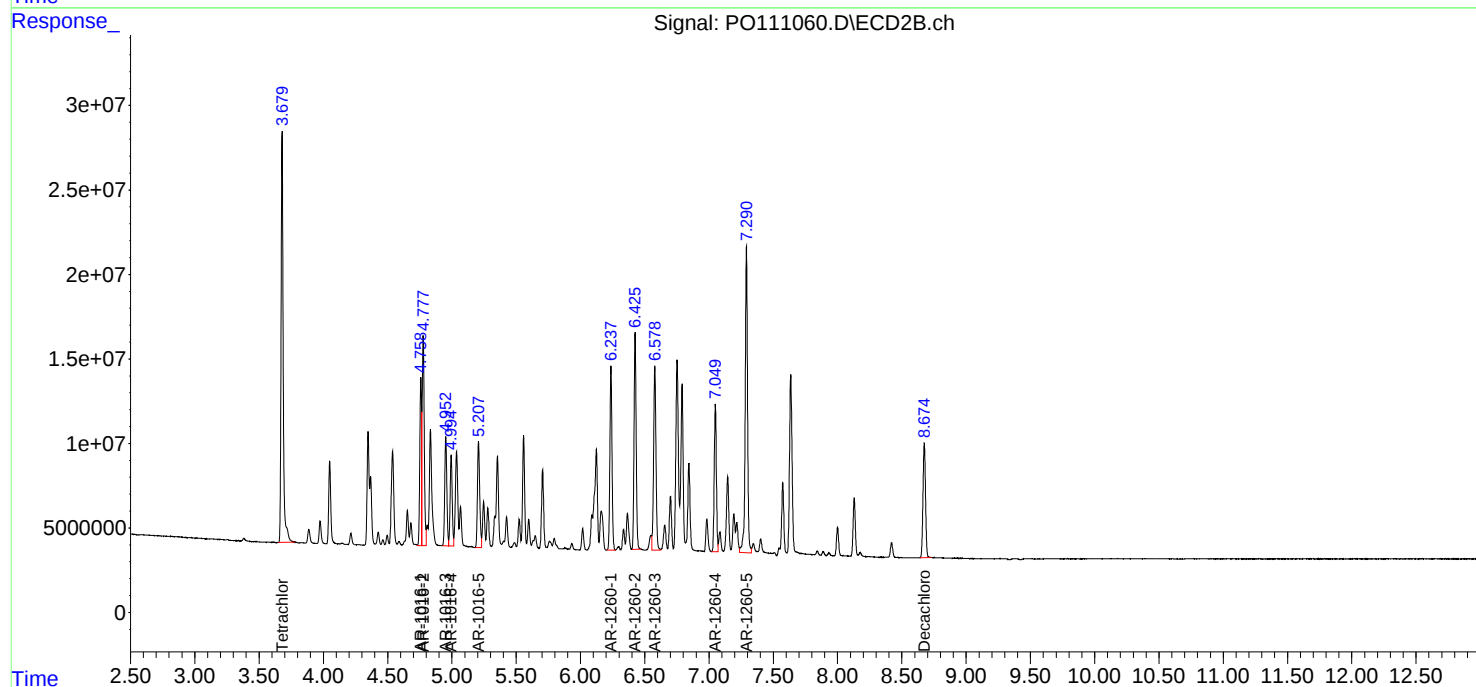
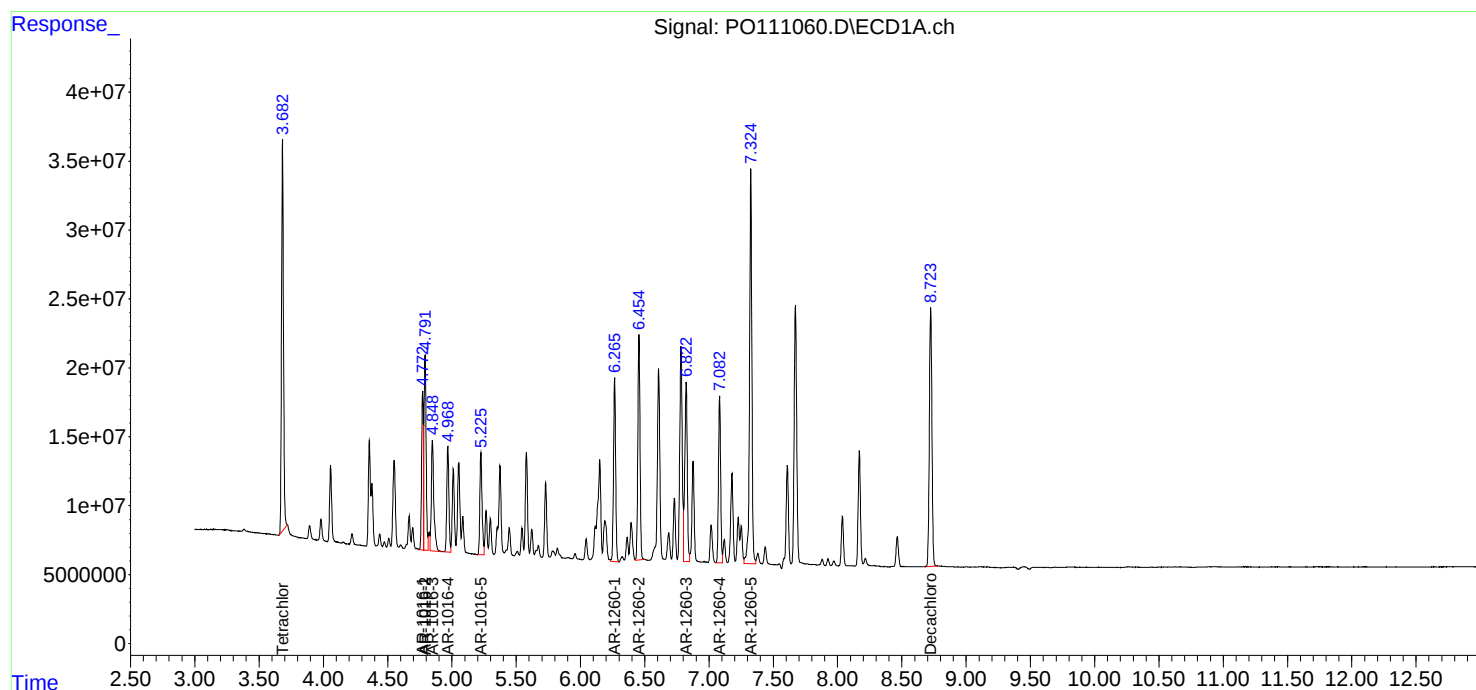
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111060.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:56
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:04:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:04:23 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111061.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 18:15
 Operator : YP/AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 18:23:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed May 14 18:22:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.682	3.679	154.2E6	141.0E6	26.005	25.413
2) SA Decachlor...	8.724	8.675	137.9E6	49563687	26.929	27.014
Target Compounds						
3) L1 AR-1016-1	4.772	4.758	60421232	50283802	272.203	267.606
4) L1 AR-1016-2	4.791	4.777	85104928	73415717	268.958	266.572
5) L1 AR-1016-3	4.847	4.952	58407253	38855618	271.623m	266.661
6) L1 AR-1016-4	4.968	4.994	46963647	32409017	271.015	274.714
7) L1 AR-1016-5	5.226	5.207	46806652	40476870	266.282	265.951
31) L7 AR-1260-1	6.265	6.237	82969435	66195316	274.520	269.290
32) L7 AR-1260-2	6.455	6.426	102.9E6	77672896	272.015	267.303
33) L7 AR-1260-3	6.822	6.578	93348146	75817208	271.913	271.635
34) L7 AR-1260-4	7.082	7.049	76451534	53814049	276.083	271.405
35) L7 AR-1260-5	7.324	7.290	190.0E6	119.8E6	264.350	261.412

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:15
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

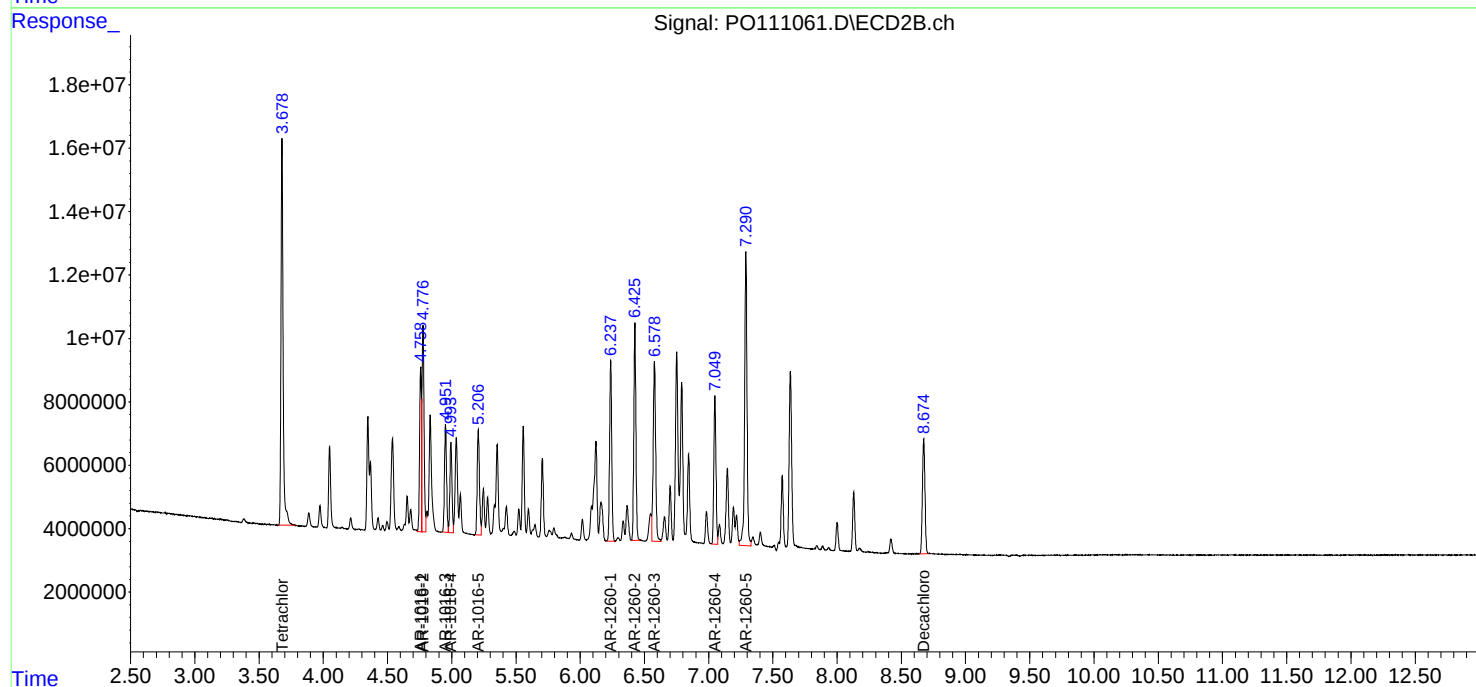
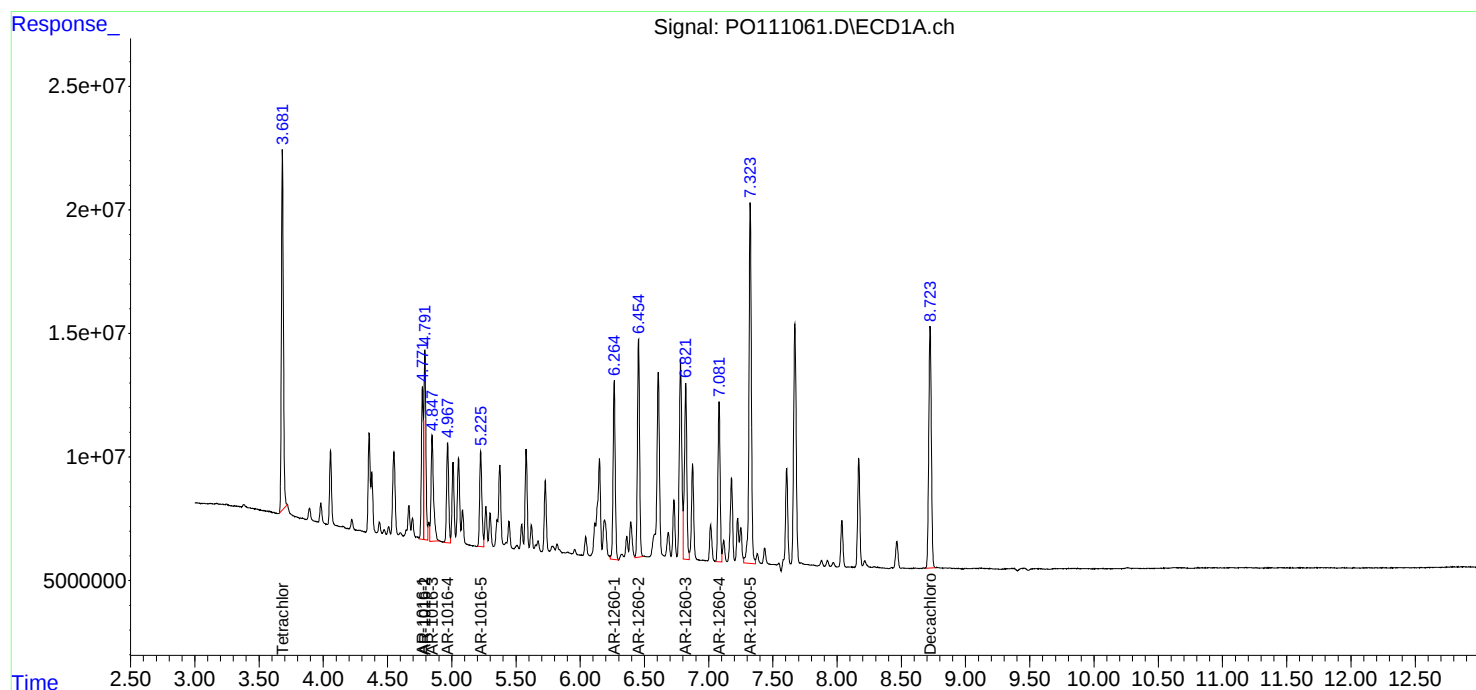
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:23:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:22:49 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111062.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 18:33
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 18:42:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed May 14 18:42:33 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...	3.683	3.679	28493753	25293030	4.843	4.640
2) SA Decachlor...	8.723	8.673	26671186	9559108	5.166	5.167
Target Compounds						
3) L1 AR-1016-1	4.773	4.758	11869714	10151367	52.741	53.169
4) L1 AR-1016-2	4.792	4.777	16448550	14199847	51.574	51.240
5) L1 AR-1016-3	4.849	4.953	11050750	7376412	50.896	50.497
6) L1 AR-1016-4	4.969	4.995	8879453	6427443	50.988	53.522
7) L1 AR-1016-5	5.226	5.207	8842201	8160776	50.242	52.855
31) L7 AR-1260-1	6.265	6.238	15795099	13309302	51.824m	53.261
32) L7 AR-1260-2	6.454	6.426	20091573	15455906	52.473m	52.520
33) L7 AR-1260-3	6.822	6.577	18486670	15856848	53.033	54.622m
34) L7 AR-1260-4	7.081	7.049	14607476	10534907	52.177	52.474
35) L7 AR-1260-5	7.324	7.290	36204522	23216663	50.291	50.514

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:33
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

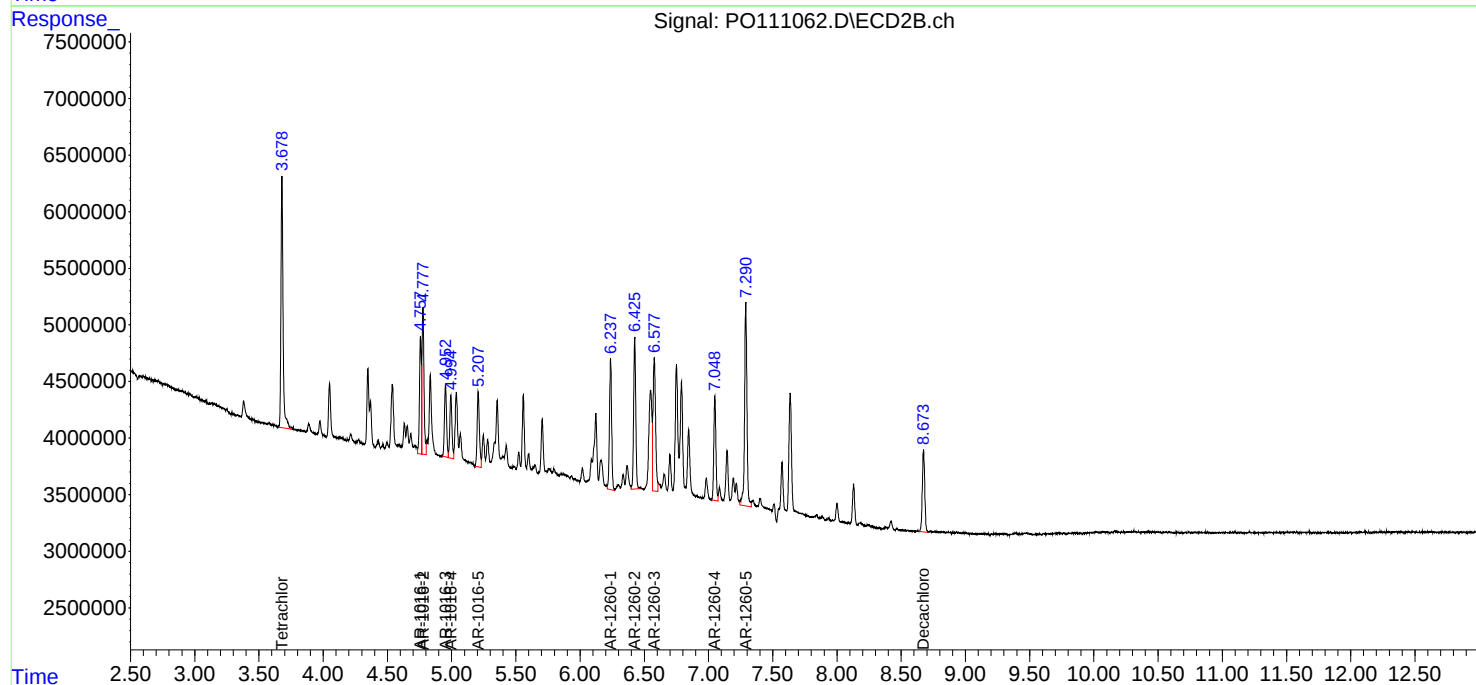
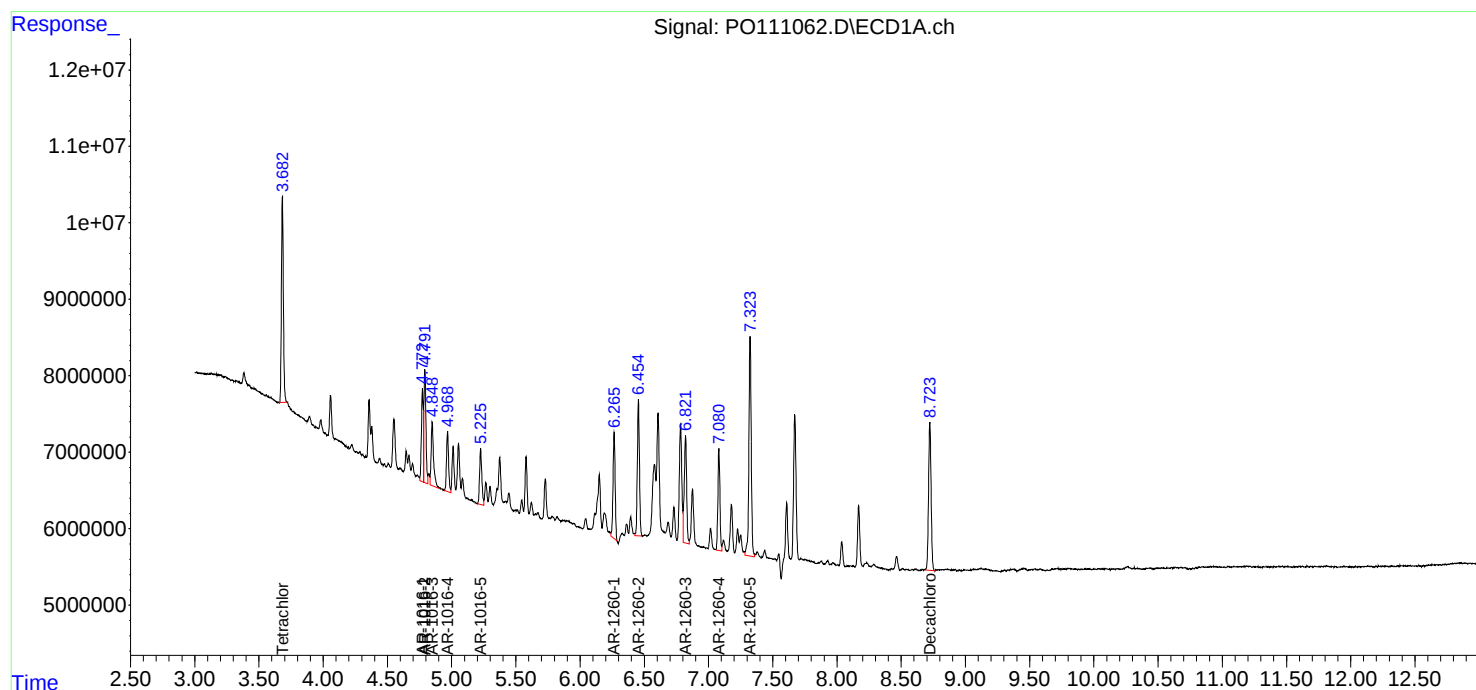
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 18:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed May 14 18:42:33 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111063.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 18:51
 Operator : YP/AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 04:12:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 04:09:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	288.5E6	284.4E6	50.000	50.000
2) SA Decachlor...	8.724	8.674	258.5E6	91931505	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.895	3.890	43553173	36921483	500.000	500.000
9) L2 AR-1221-2	3.981	3.975	31851907	27207063	500.000	500.000
10) L2 AR-1221-3	4.057	4.050	96163744	83550323	500.000	500.000

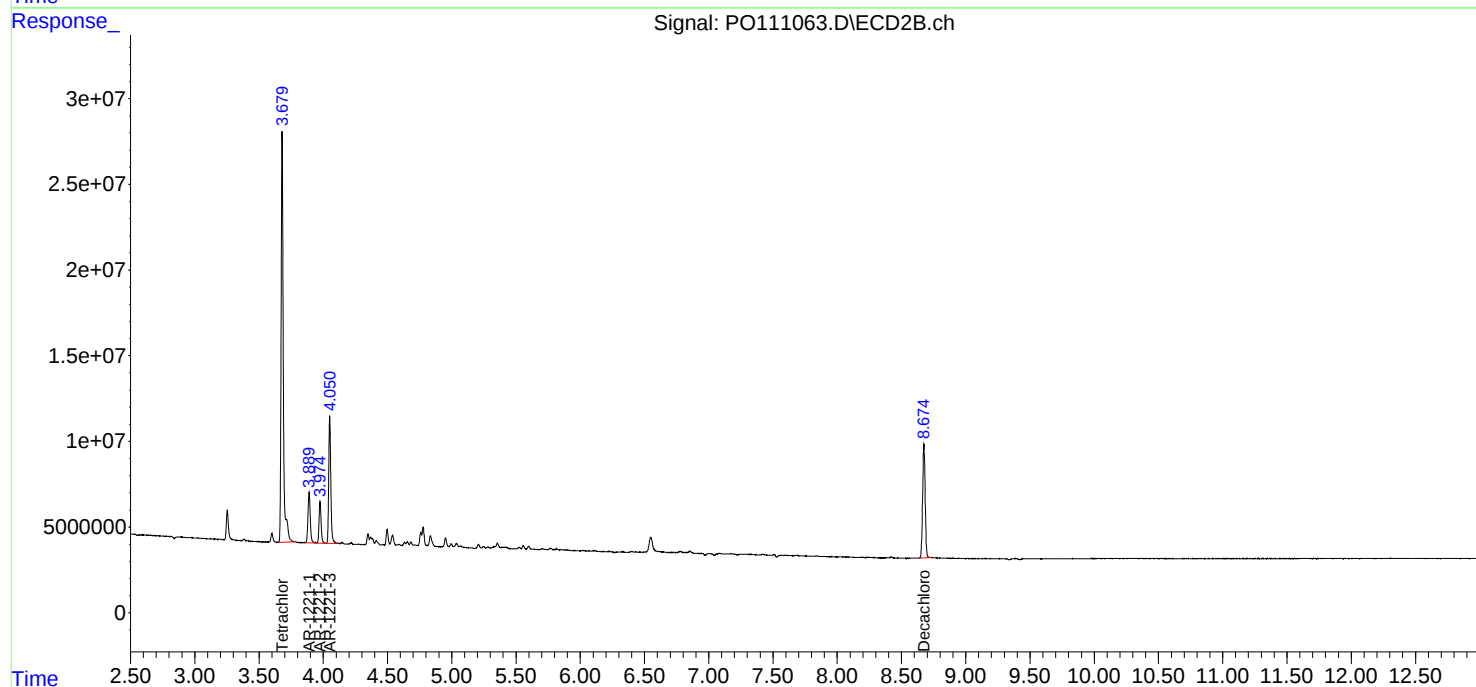
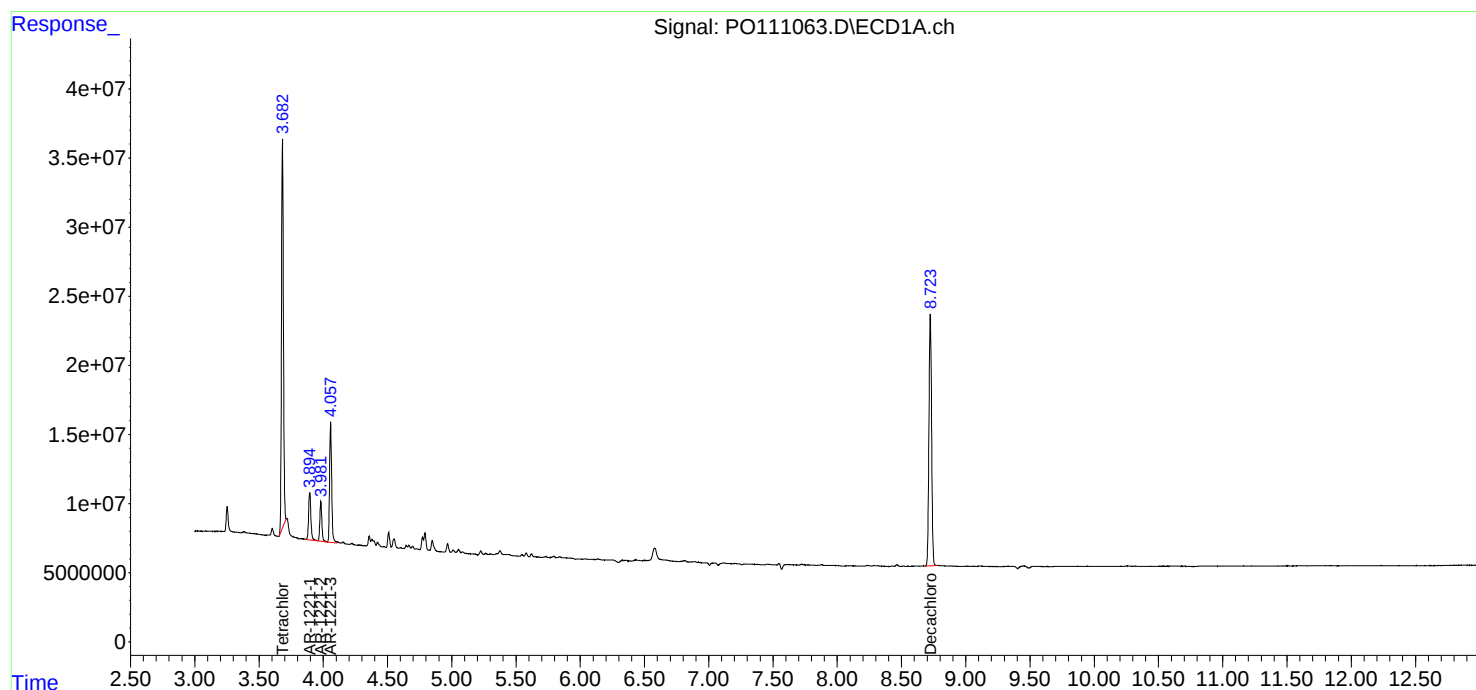
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111063.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 18:51
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:12:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:09:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111064.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 19:10
 Operator : YP/AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 04:17:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 04:17:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	289.7E6	276.3E6	50.000	50.000
2) SA Decachlor...	8.724	8.675	254.0E6	89356624	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.057	4.050	76586849	65297499	500.000	500.000
12) L3 AR-1232-2	4.551	4.777	40973235	65580176	500.000	500.000
13) L3 AR-1232-3	4.792	4.952	76463454	34035848	500.000	500.000
14) L3 AR-1232-4	4.968	5.037	41125705	30838173	500.000	500.000
15) L3 AR-1232-5	5.012	5.207	27129649	32866275	500.000	500.000

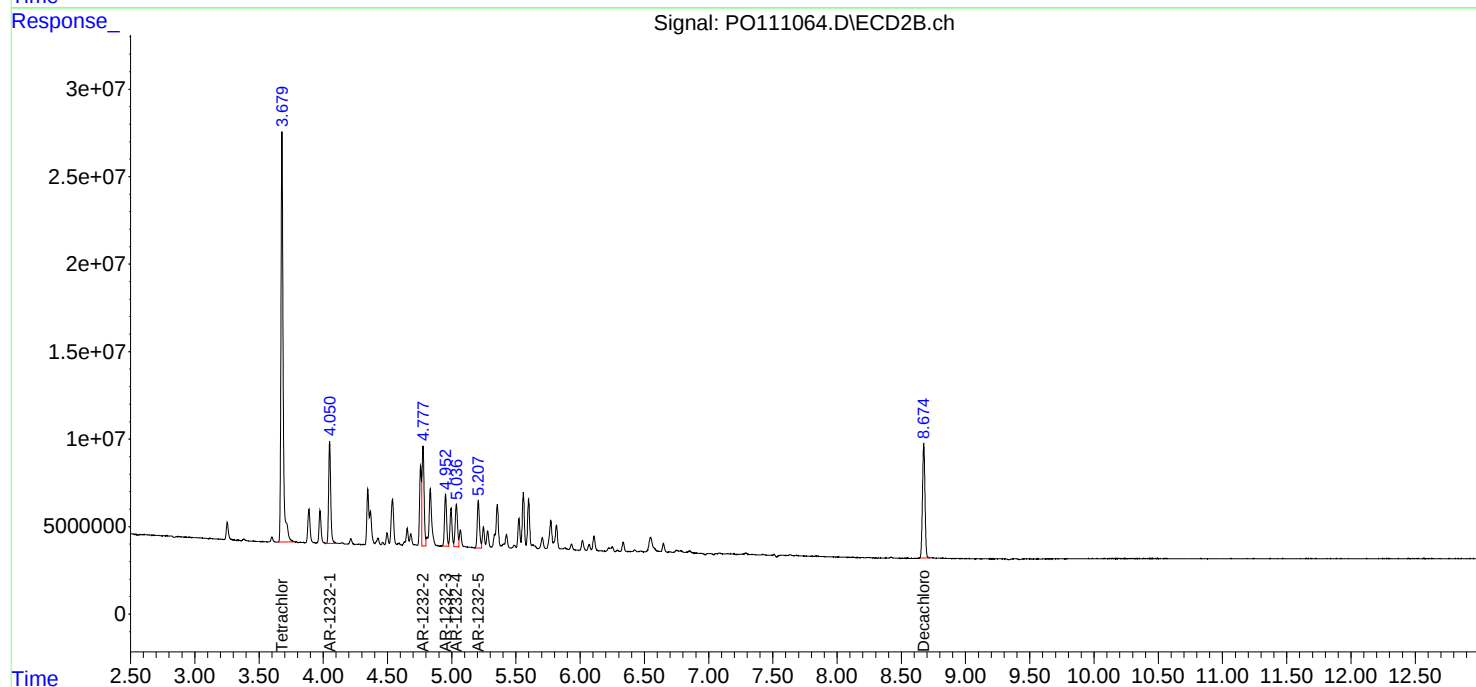
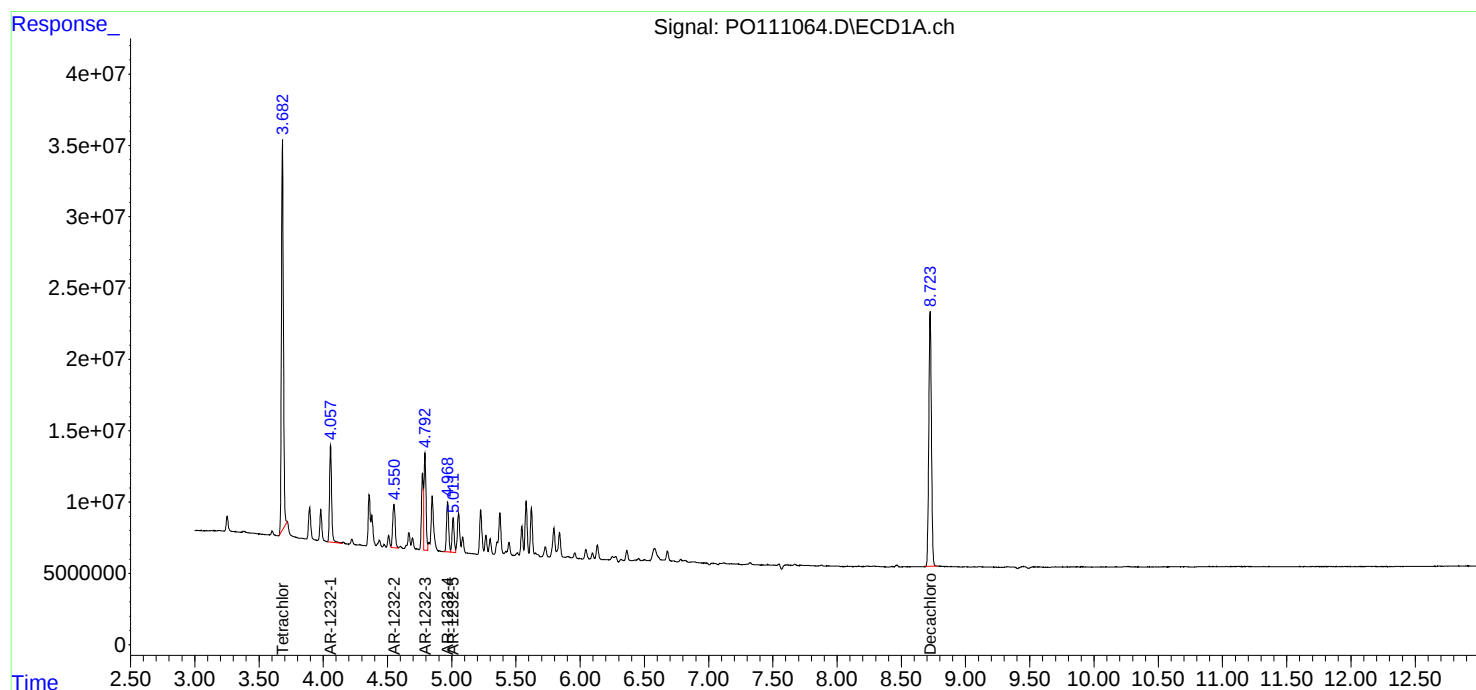
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111064.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:10
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:17:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:17:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111065.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 19:28
 Operator : YP/AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 04:23:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 04:23:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.682	3.679	568.1E6	539.6E6	94.045	96.291
2) SA Decachlor...	8.724	8.673	477.4E6	165.0E6	91.361	91.314
Target Compounds						
16) L4 AR-1242-1	4.772	4.758	176.7E6	150.8E6	899.610	912.362
17) L4 AR-1242-2	4.791	4.777	257.7E6	223.6E6	922.296	929.388
18) L4 AR-1242-3	4.848	4.952	175.2E6	118.1E6	909.545	921.917
19) L4 AR-1242-4	4.967	5.036	140.2E6	114.7E6	915.805	903.330
20) L4 AR-1242-5	5.620	5.557	145.2E6	142.4E6	911.278	915.668

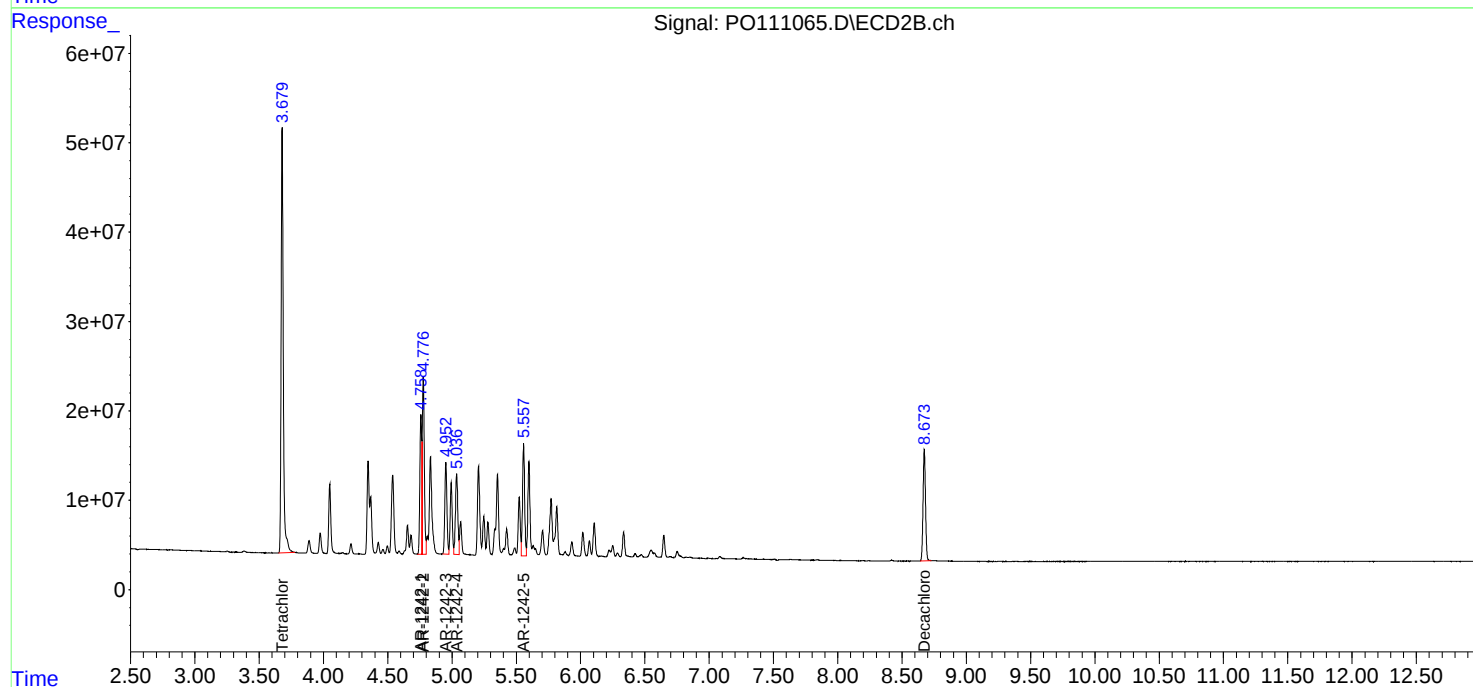
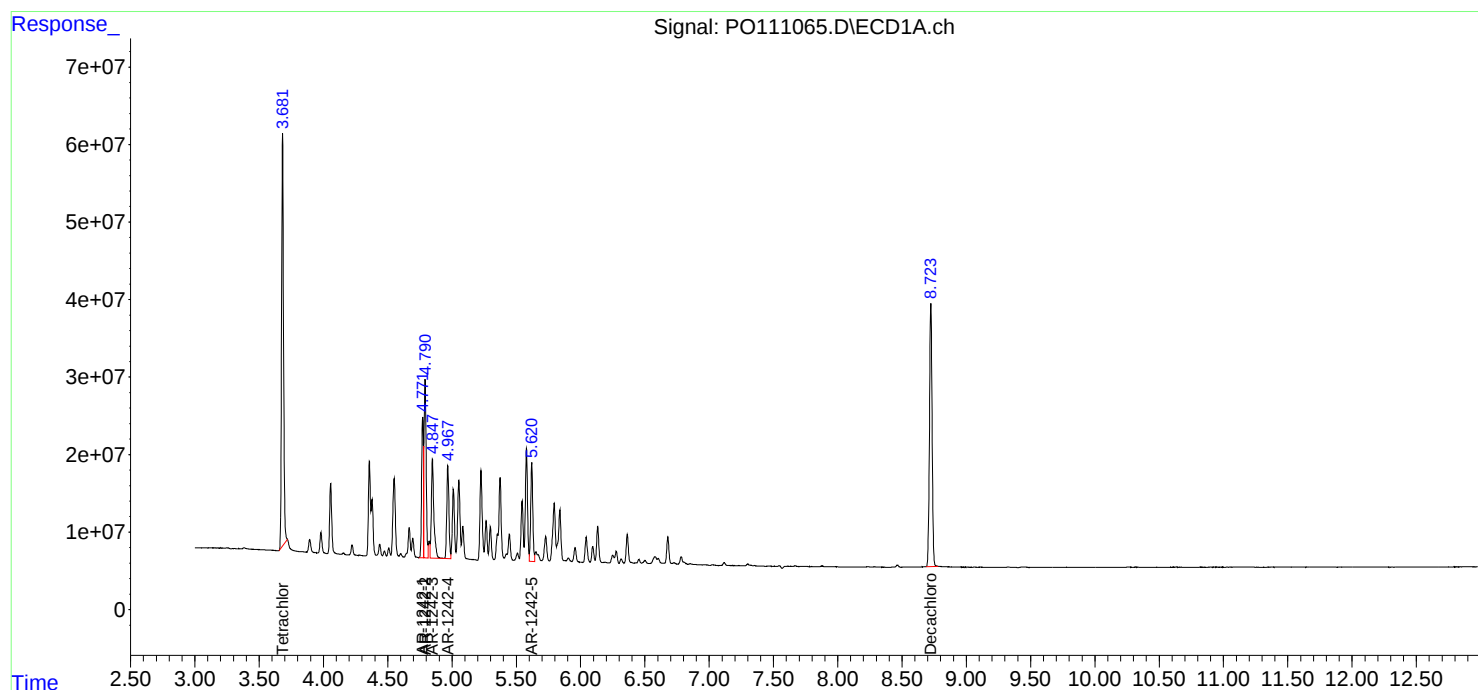
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111065.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:28
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:23:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111066.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 19:46
 Operator : YP/AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 04:24:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 04:23:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	437.4E6	412.8E6	72.404	73.670
2) SA Decachlor...	8.724	8.674	373.9E6	129.9E6	71.548	71.922
Target Compounds						
16) L4 AR-1242-1	4.773	4.759	139.3E6	118.0E6	709.065	713.923
17) L4 AR-1242-2	4.792	4.777	200.8E6	173.8E6	718.638	722.178
18) L4 AR-1242-3	4.849	4.953	137.2E6	91784303	712.284	716.498
19) L4 AR-1242-4	4.969	5.037	109.7E6	89988997	716.656	708.565
20) L4 AR-1242-5	5.622	5.558	114.0E6	111.2E6	715.639	714.896

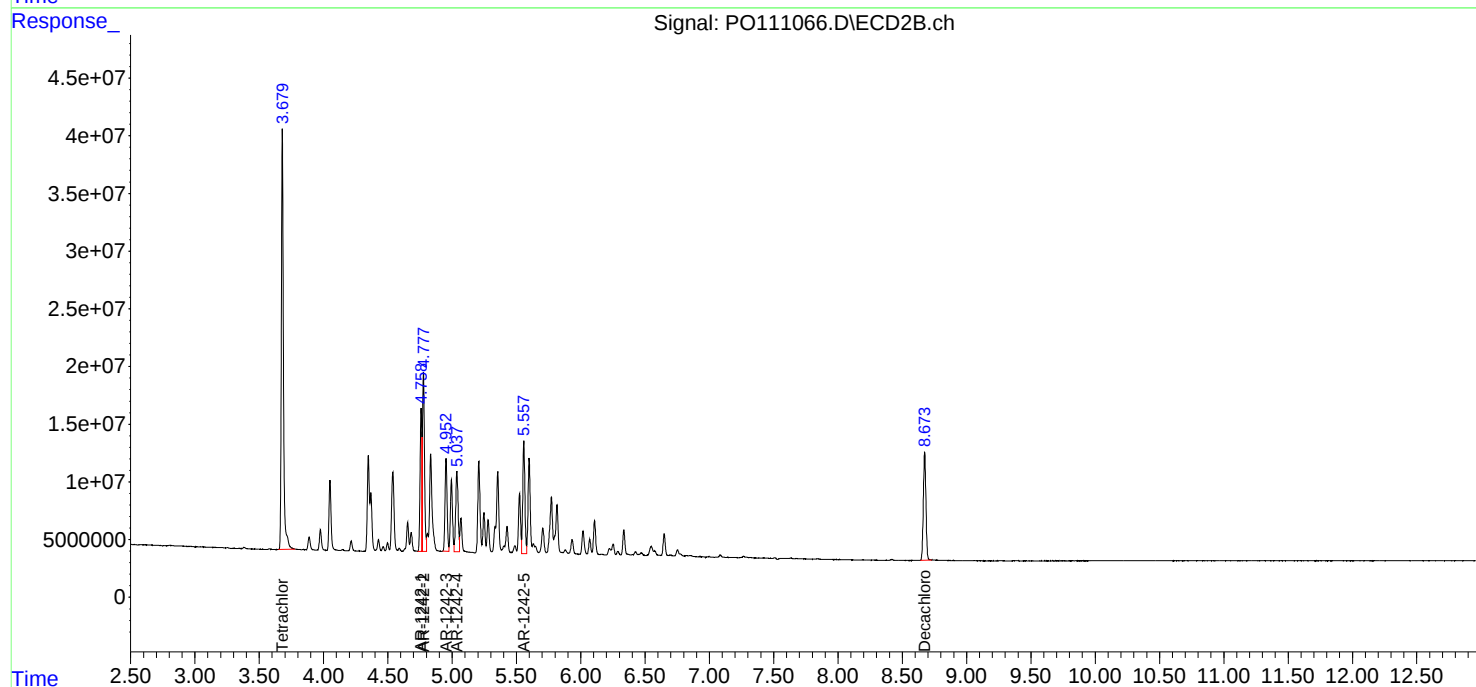
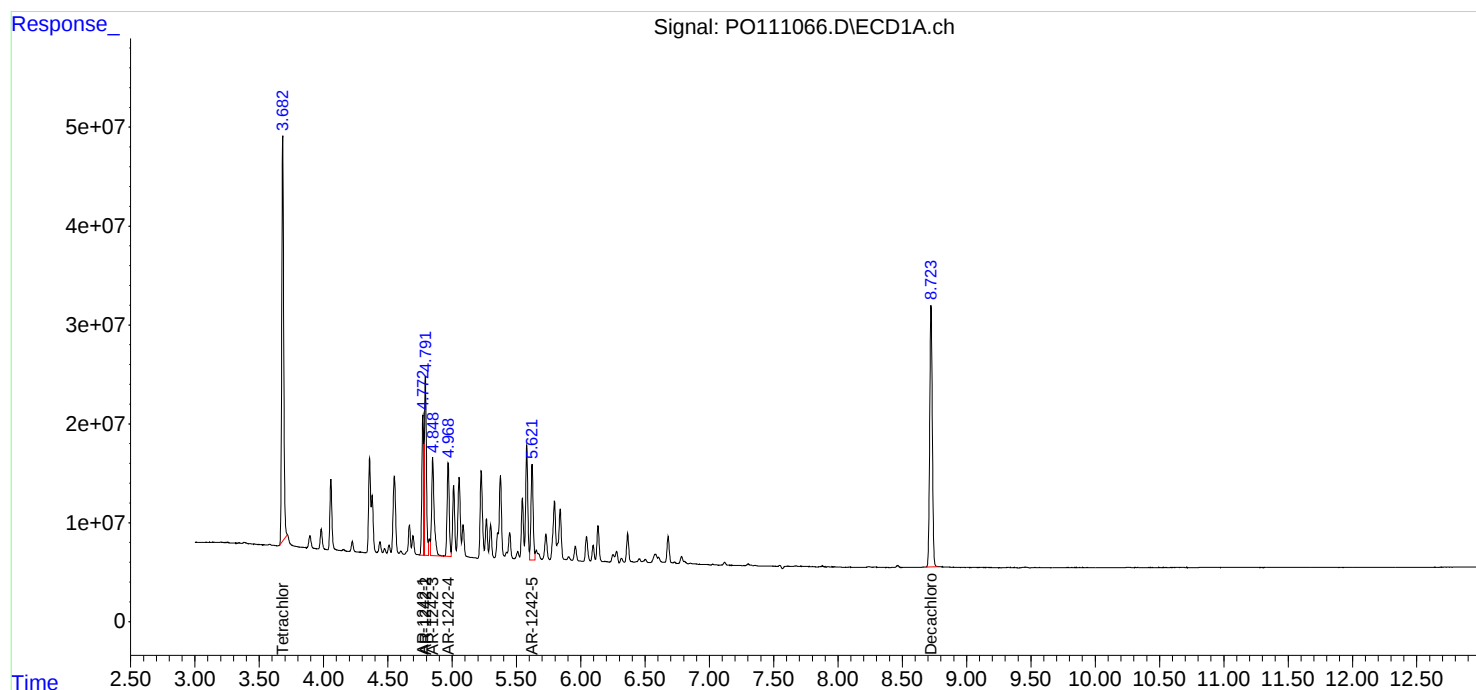
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111066.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 19:46
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111067.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 20:05
 Operator : YP/AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 04:24:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 04:23:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	302.0E6	280.2E6	50.000	50.000
2) SA Decachlor...	8.725	8.674	261.3E6	90333720	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	4.773	4.759	98208092	82620556	500.000	500.000
17) L4 AR-1242-2	4.792	4.778	139.7E6	120.3E6	500.000	500.000
18) L4 AR-1242-3	4.848	4.953	96305021	64050605	500.000	500.000
19) L4 AR-1242-4	4.969	5.037	76546823	63500917	500.000	500.000
20) L4 AR-1242-5	5.621	5.558	79660759	77752665	500.000	500.000

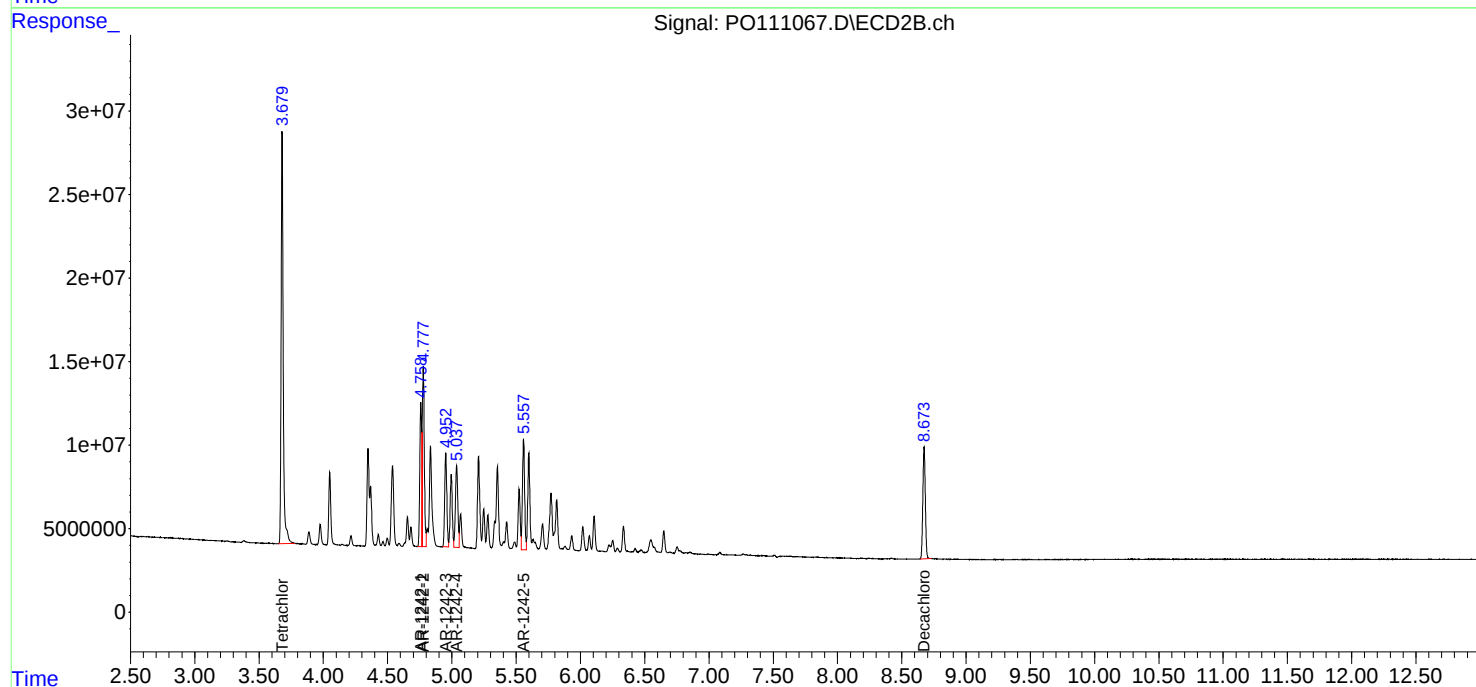
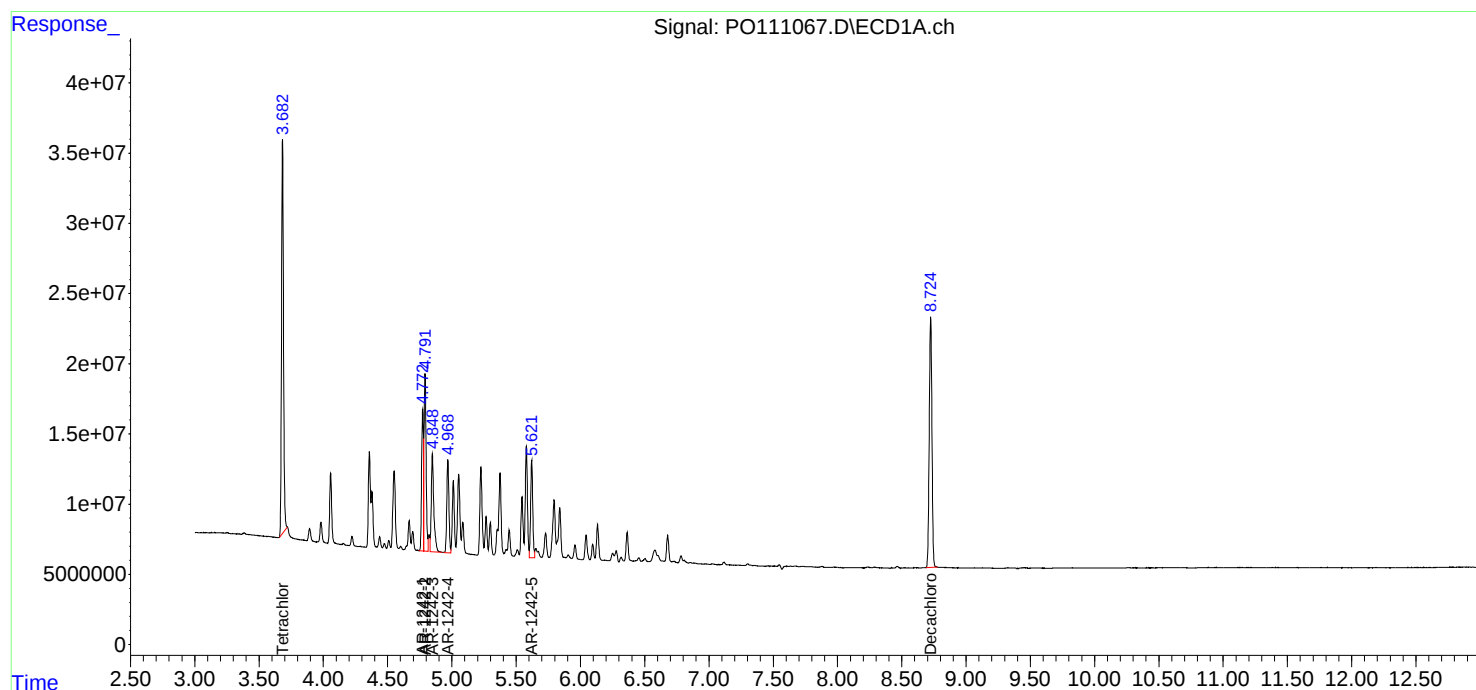
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111067.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:05
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111068.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 20:23
 Operator : YP/AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 04:24:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 04:23:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.682	3.679	154.4E6	140.2E6	25.554	25.013
2) SA Decachlor...	8.724	8.674	136.9E6	48326476	26.201	26.749
Target Compounds						
16) L4 AR-1242-1	4.773	4.758	51769854	43243631	263.572	261.700
17) L4 AR-1242-2	4.791	4.777	73286157	62610273	262.267	260.212
18) L4 AR-1242-3	4.848	4.952	50308175	33361673	261.192	260.432
19) L4 AR-1242-4	4.968	5.037	39985868	33506849	261.186	263.830
20) L4 AR-1242-5	5.620	5.557	42256879	40819456	265.230	262.496

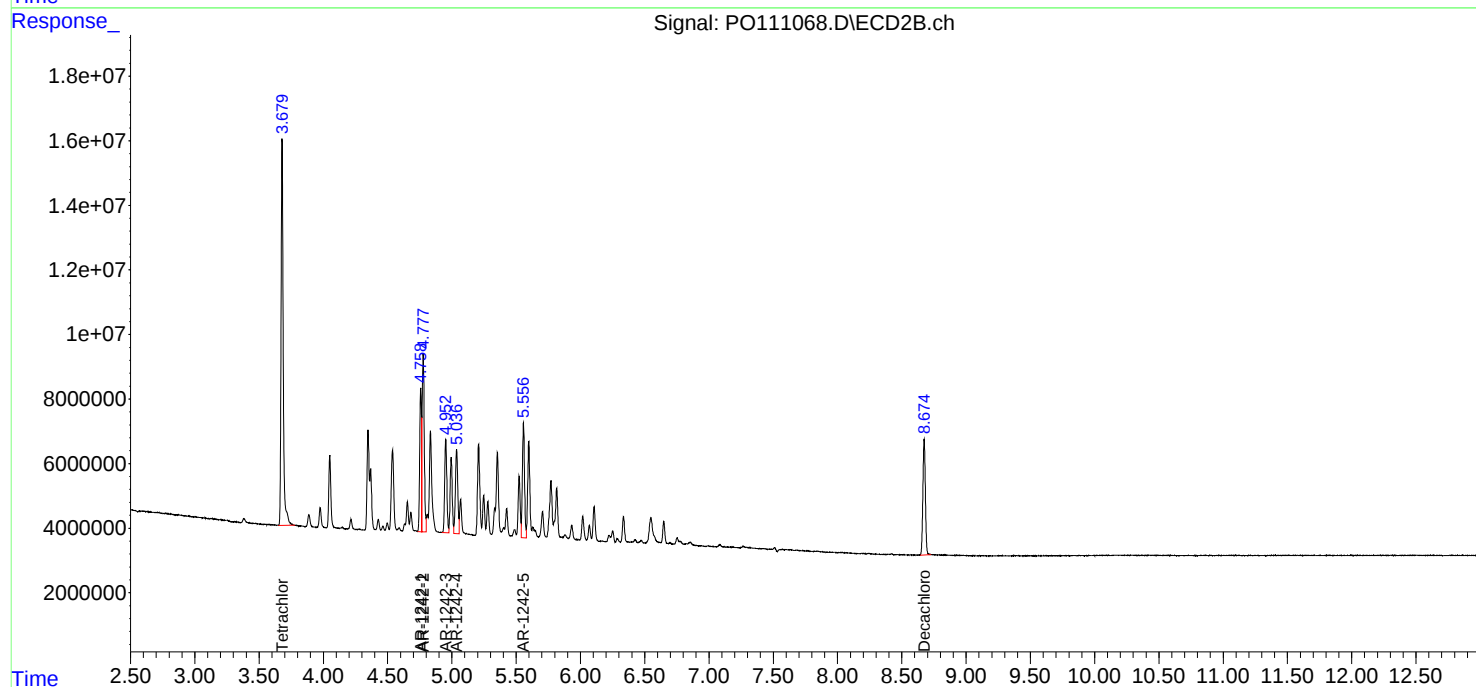
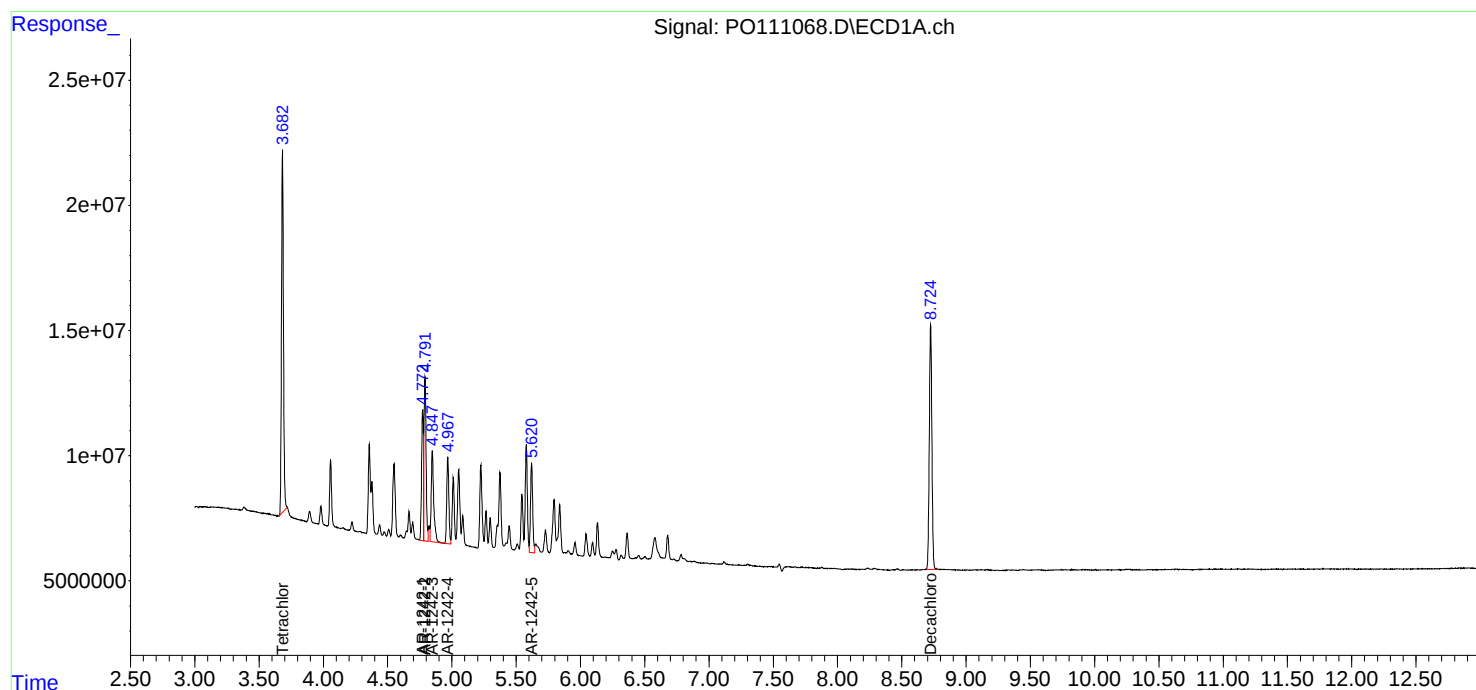
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111068.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:23
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:24:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111069.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 20:41
 Operator : YP/AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 04:25:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 04:23:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.682	3.678	26744020	23641793	4.427	4.219
2) SA Decachlor...	8.723	8.672	25067542	8857274	4.797	4.903
Target Compounds						
16) L4 AR-1242-1	4.772	4.758	9505477	7963295	48.395	48.192
17) L4 AR-1242-2	4.791	4.776	13101291	11333445	46.885	47.103
18) L4 AR-1242-3	4.848	4.951	8899007	5803384	46.202	45.303
19) L4 AR-1242-4	4.968	5.036	6973643	6116856	45.551	48.164
20) L4 AR-1242-5	5.621	5.556	7607608	7526607	47.750	48.401

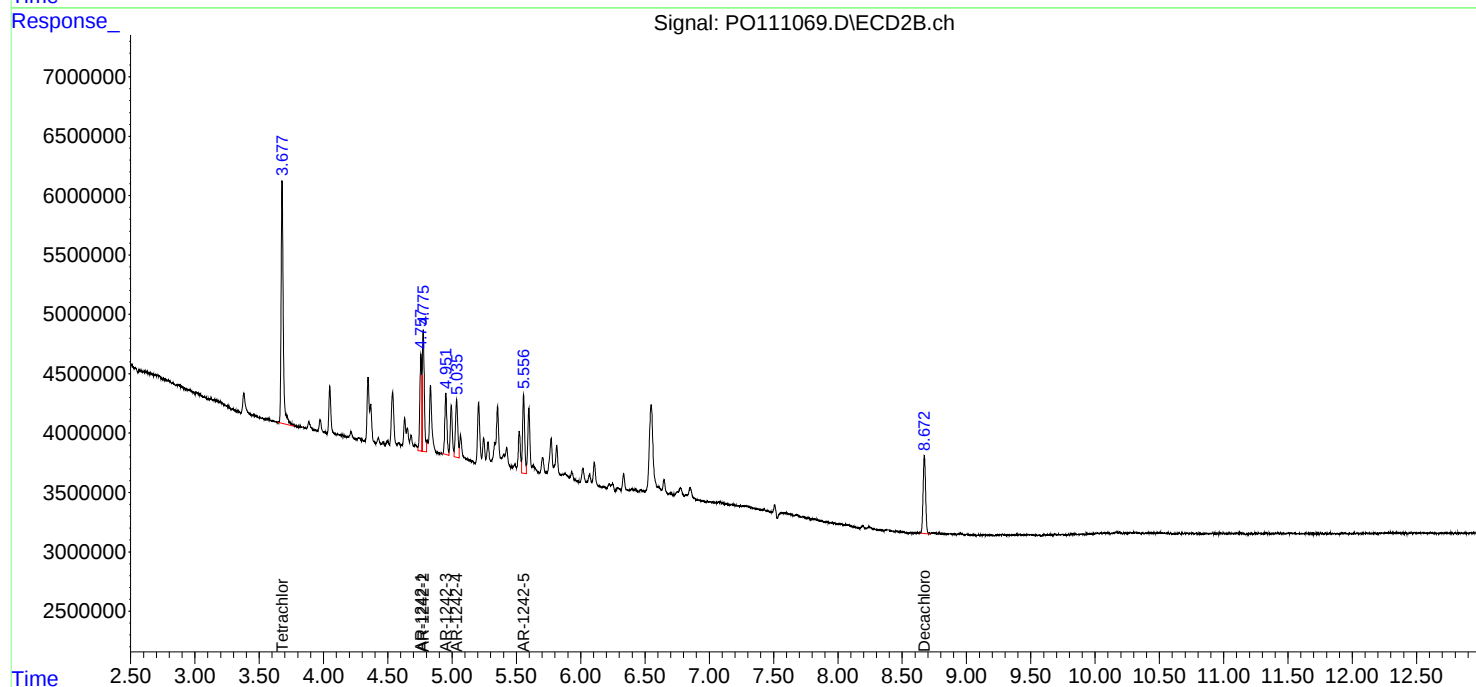
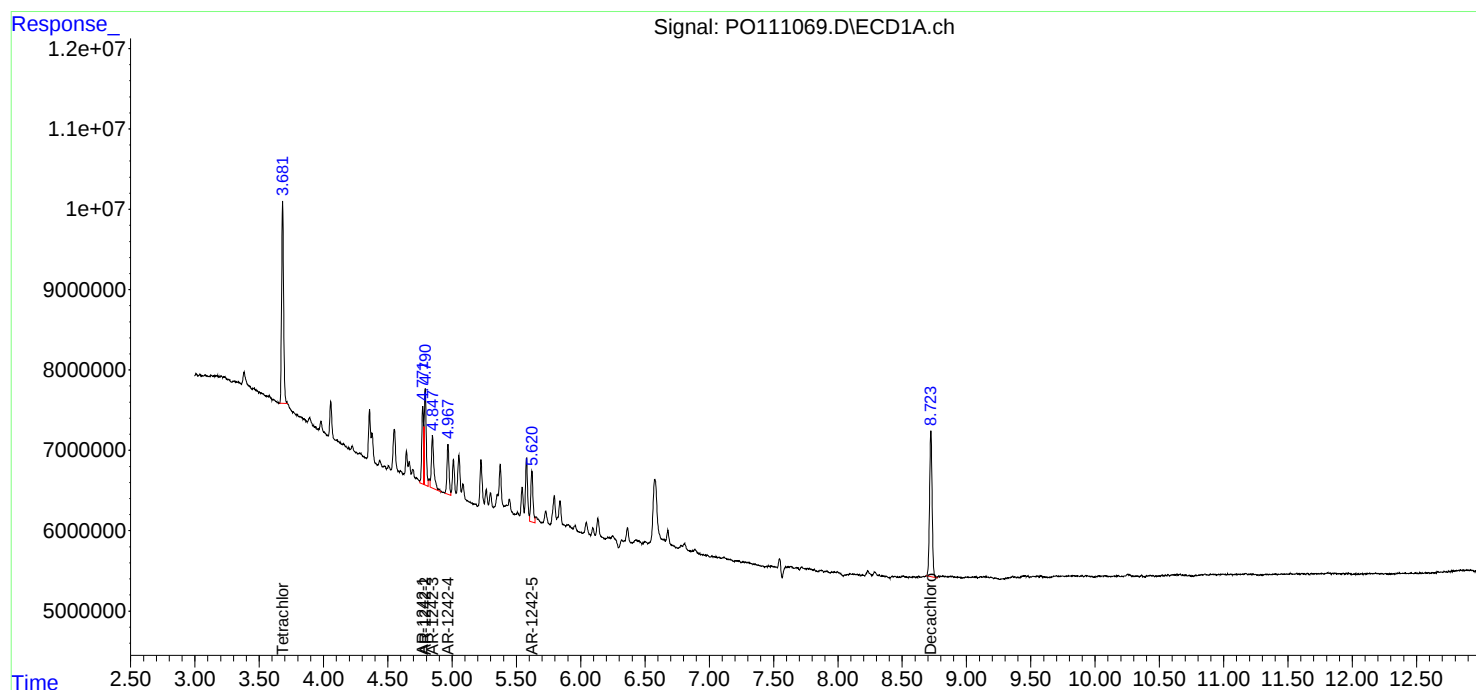
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111069.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 20:41
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 04:25:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 04:23:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111070.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 21:00
 Operator : YP/AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:27:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:26:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	586.5E6	539.2E6	94.448	96.685
2) SA Decachlor...	8.723	8.674	486.2E6	167.6E6	92.112	88.448
Target Compounds						
21) L5 AR-1248-1	4.774	4.759	138.2E6	116.7E6	902.613	906.468
22) L5 AR-1248-2	5.012	4.995	182.8E6	159.8E6	909.133	912.206
23) L5 AR-1248-3	5.226	5.037	227.5E6	169.7E6	906.281	914.012
24) L5 AR-1248-4	5.580	5.208	324.8E6	198.9E6	911.584	916.809
25) L5 AR-1248-5	5.622	5.599	233.9E6	198.3E6	908.812	921.655

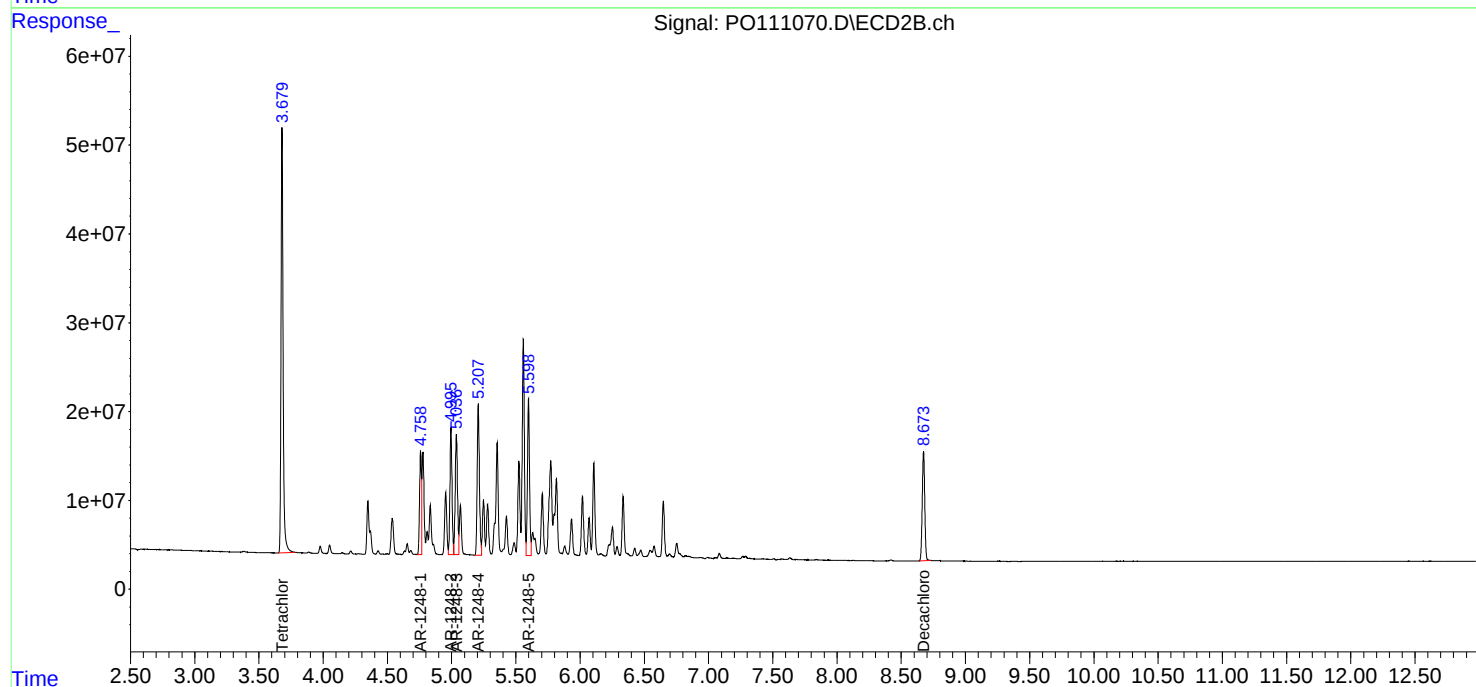
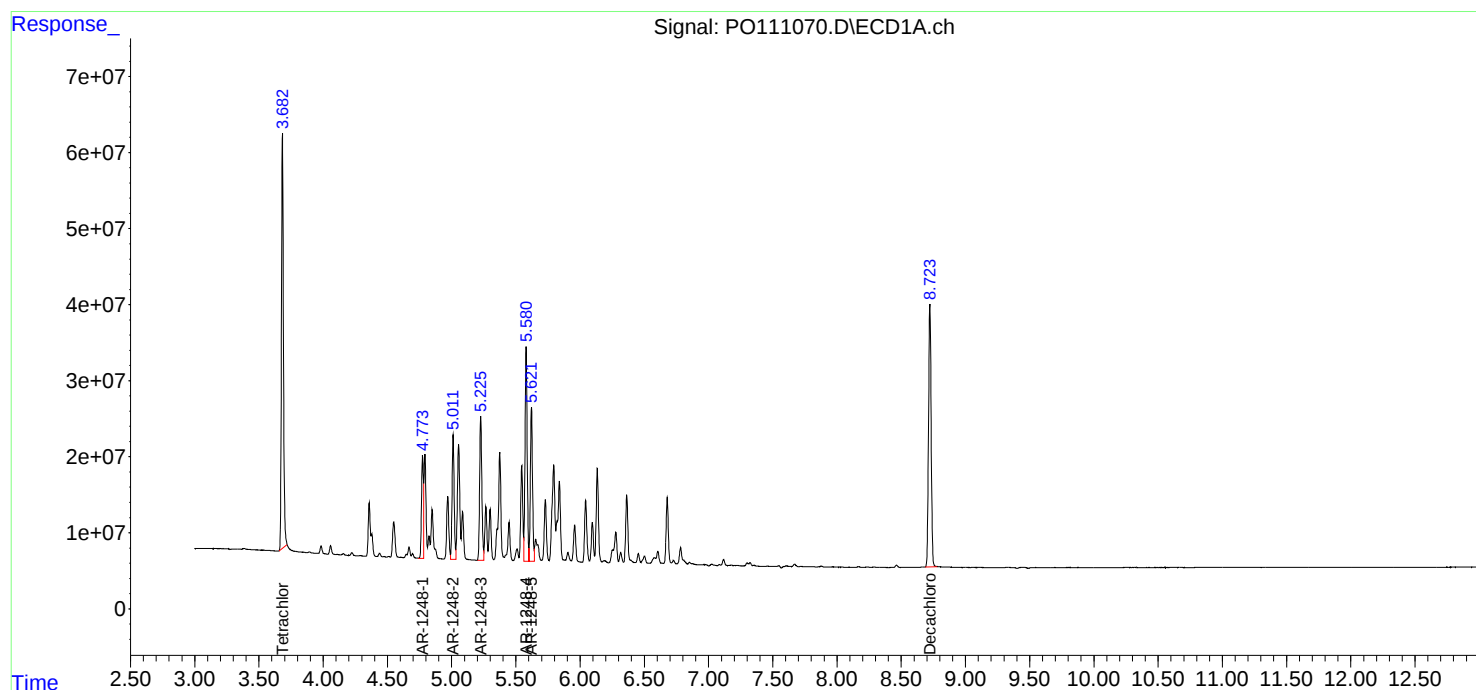
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111070.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:00
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111071.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 21:18
 Operator : YP/AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:27:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:26:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	453.4E6	412.4E6	73.021	73.953
2) SA Decachlor...	8.724	8.674	377.4E6	130.5E6	71.496	68.877
Target Compounds						
21) L5 AR-1248-1	4.772	4.758	109.5E6	91783465	715.078	713.065
22) L5 AR-1248-2	5.011	4.995	142.8E6	124.9E6	710.350	713.297
23) L5 AR-1248-3	5.225	5.037	178.7E6	132.5E6	712.085	713.766
24) L5 AR-1248-4	5.580	5.207	252.6E6	154.8E6	709.005	713.546
25) L5 AR-1248-5	5.621	5.598	182.5E6	154.4E6	708.810	717.562

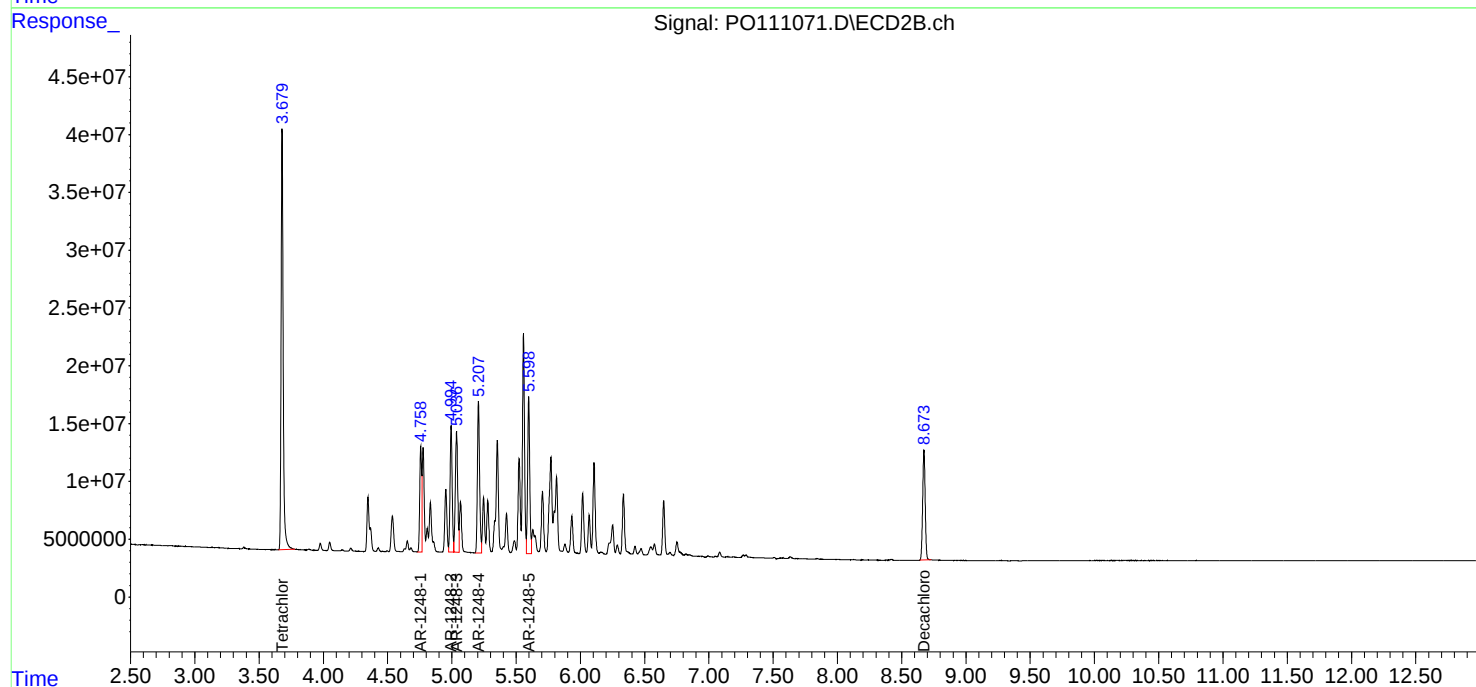
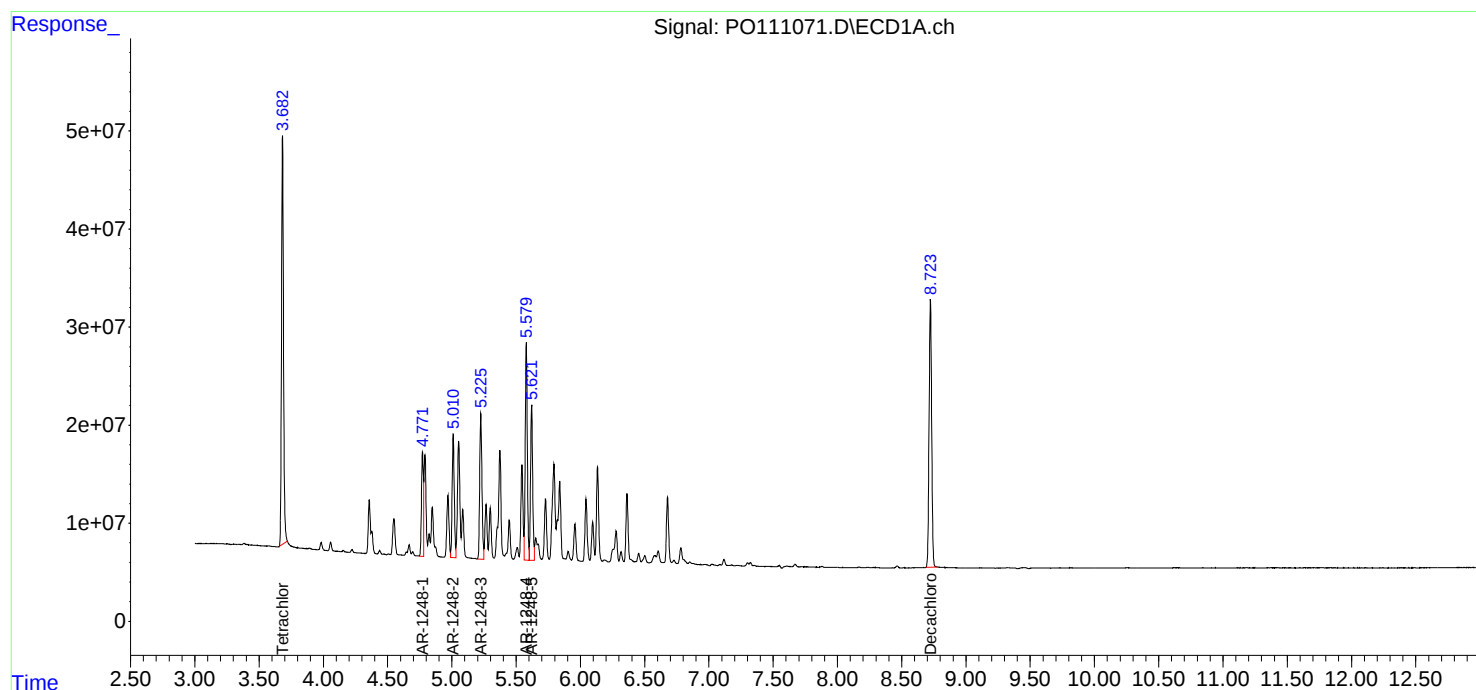
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:18
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111072.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 21:37
 Operator : YP/AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:27:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:26:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	310.5E6	278.9E6	50.000	50.000
2) SA Decachlor...	8.724	8.675	263.9E6	94731575	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.772	4.758	76534733	64358378	500.000	500.000
22) L5 AR-1248-2	5.011	4.995	100.5E6	87581471	500.000	500.000
23) L5 AR-1248-3	5.226	5.037	125.5E6	92824803	500.000	500.000
24) L5 AR-1248-4	5.580	5.207	178.1E6	108.5E6	500.000	500.000
25) L5 AR-1248-5	5.621	5.599	128.7E6	107.6E6	500.000	500.000

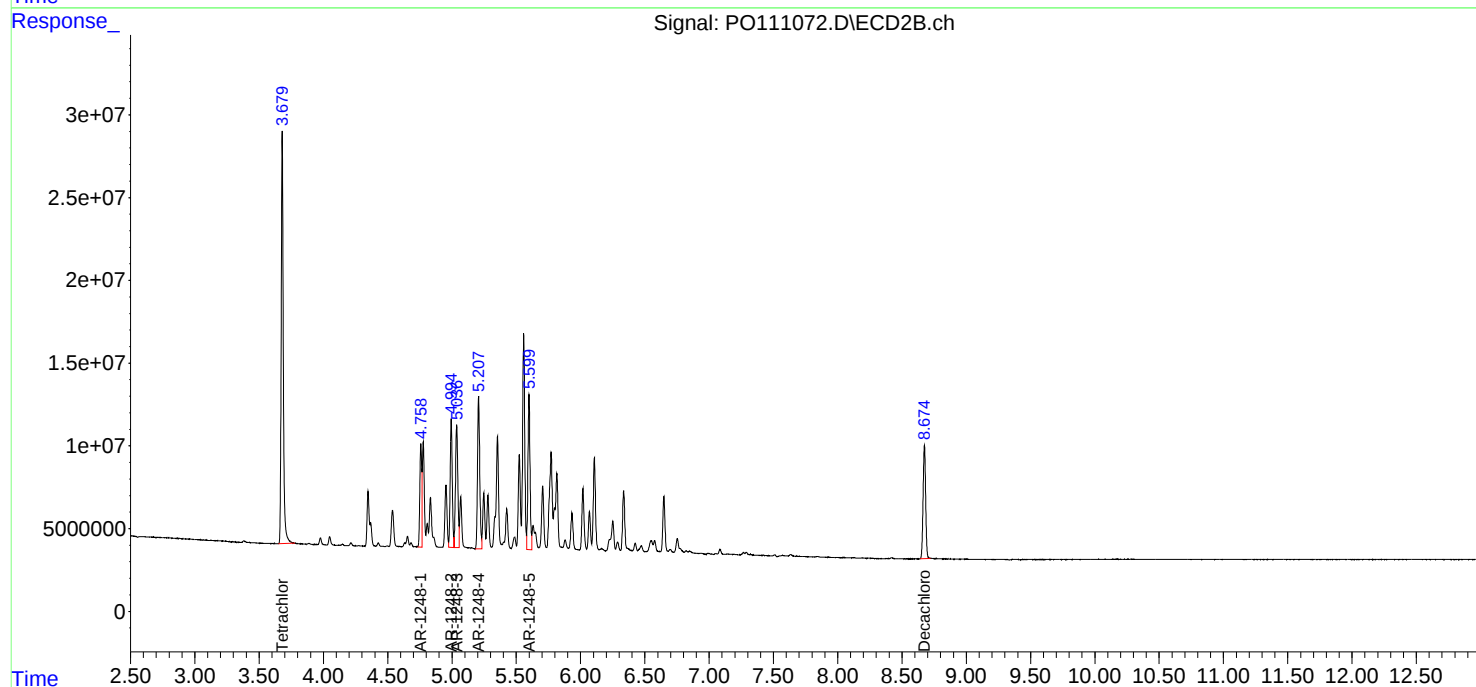
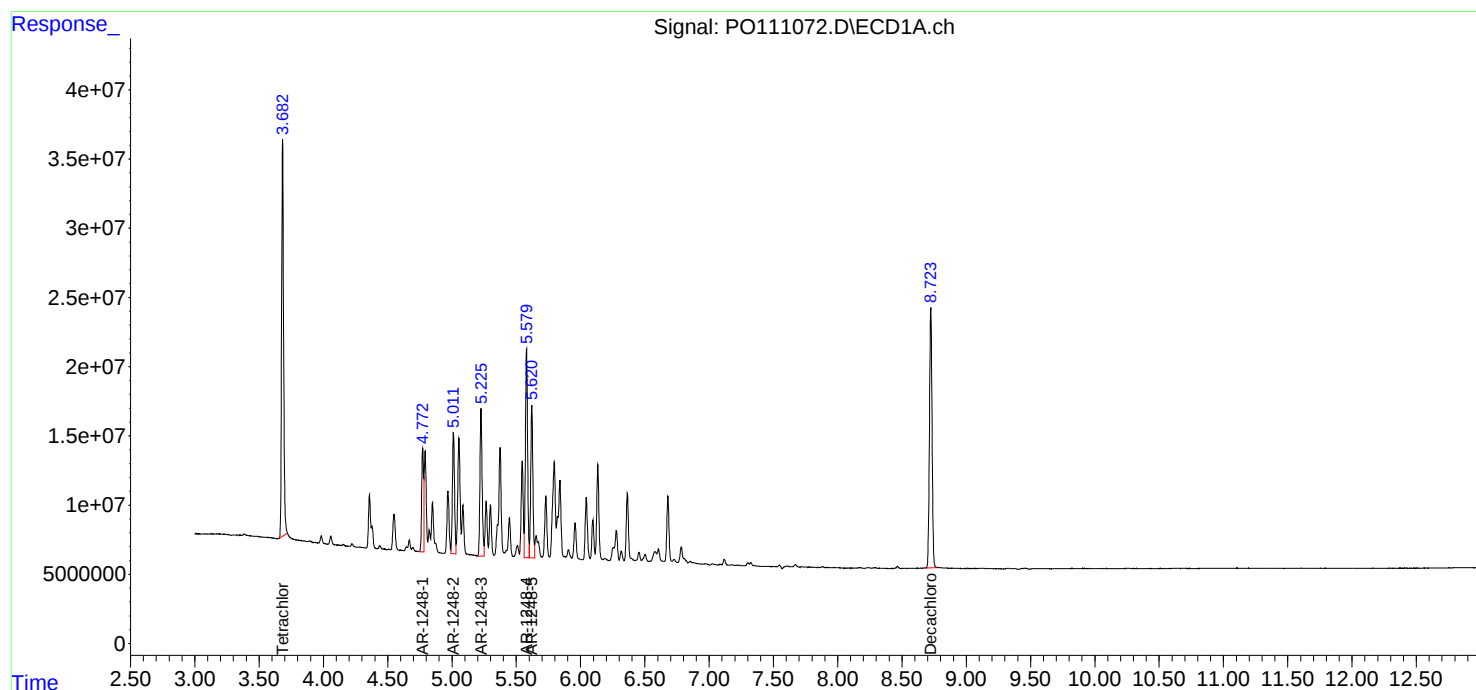
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111072.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:37
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:27:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111073.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 21:54
 Operator : YP/AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:28:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:26:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.681	3.693	161.9E6	140.9E6	26.080	25.258
2) SA Decachlor...	8.722	8.687	140.1E6	49953933	26.543	26.366
Target Compounds						
21) L5 AR-1248-1	4.770	4.772	40860856	34628061	266.943	269.025
22) L5 AR-1248-2	5.009	5.008	53599803	46904652	266.629	267.777
23) L5 AR-1248-3	5.223	5.050	66929918	49939489	266.684	268.999
24) L5 AR-1248-4	5.577	5.221	95461725	56705002	267.937	261.329
25) L5 AR-1248-5	5.619	5.612	68942357	57059246	267.832	265.207

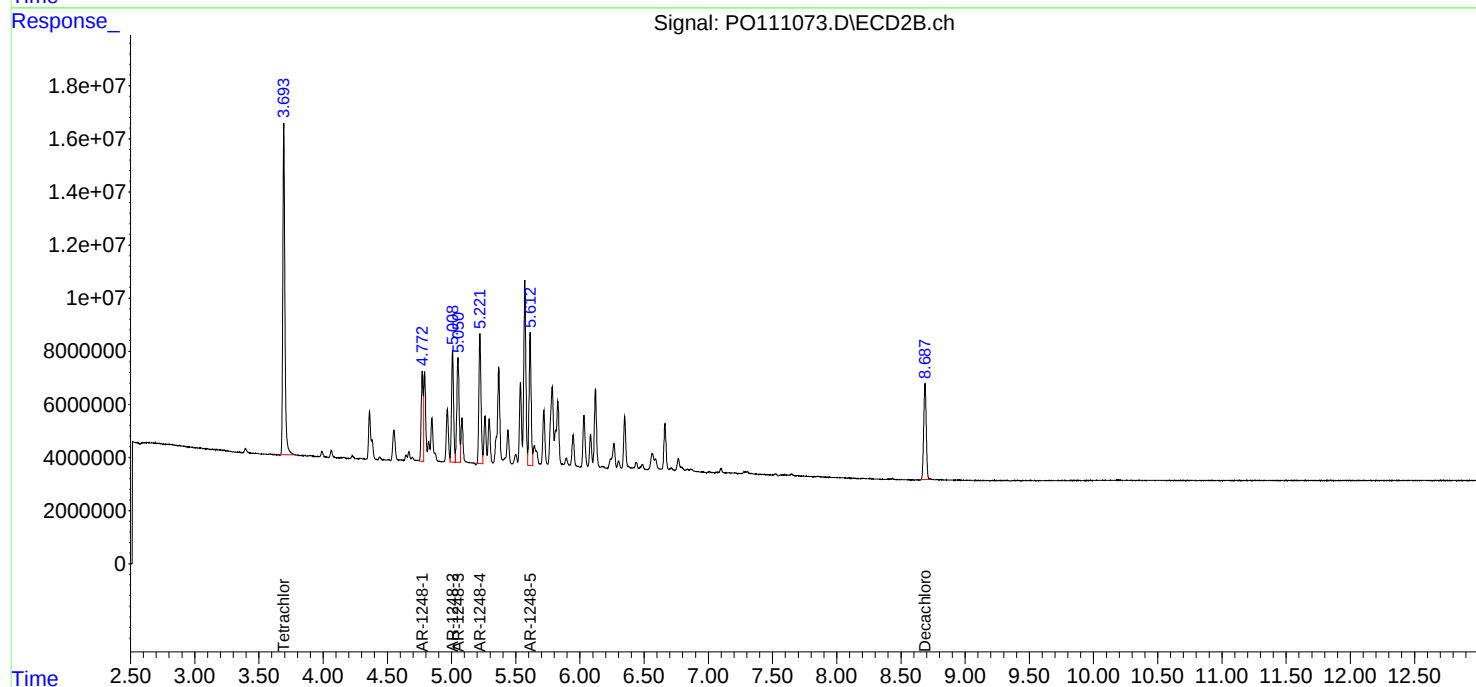
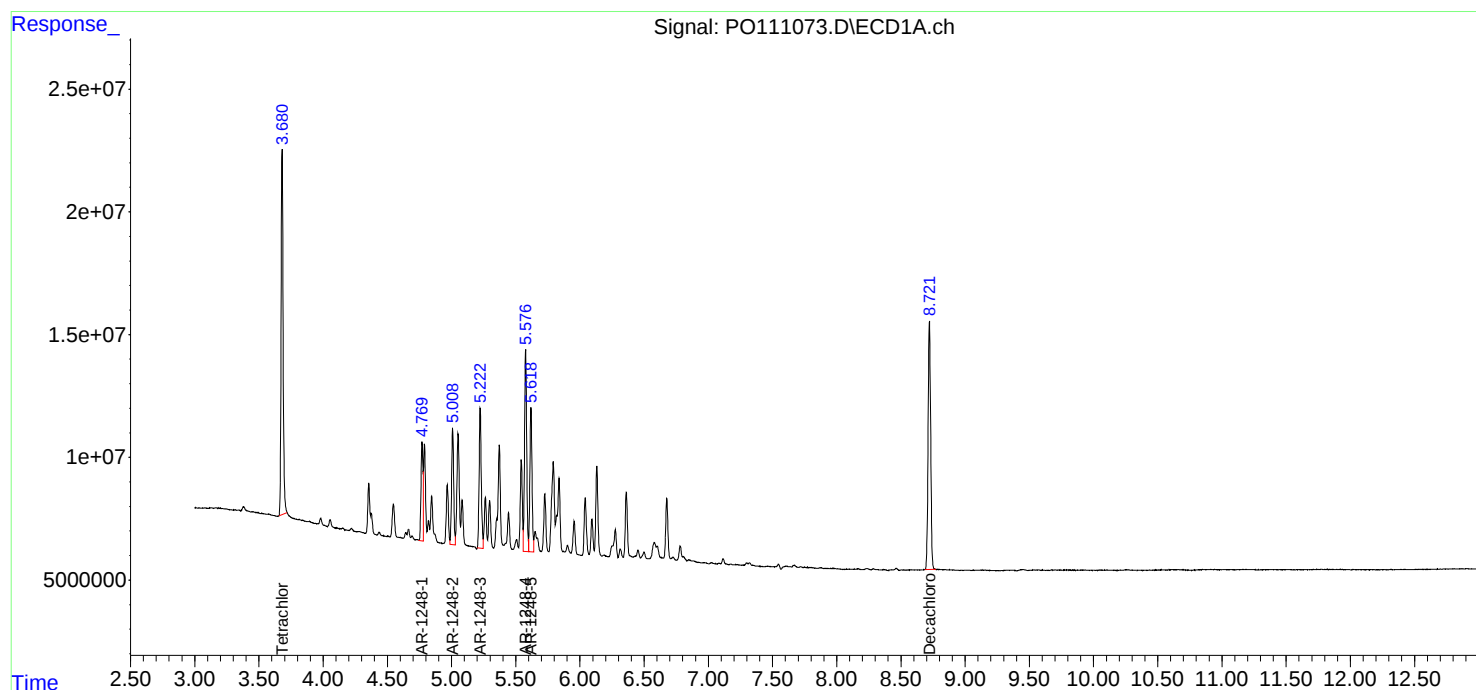
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 21:54
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:28:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111074.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 22:12
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:28:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:26:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	31378216	25949252	5.053	4.653
2) SA Decachlor...	8.724	8.673	28650863	10598091	5.428	5.594
Target Compounds						
21) L5 AR-1248-1	4.773	4.758	8260599	7117794	53.966	55.298
22) L5 AR-1248-2	5.012	4.995	10700058	9515063	53.227	54.321
23) L5 AR-1248-3	5.226	5.036	14779989	10314868	58.891	55.561
24) L5 AR-1248-4	5.580	5.207	20559074	12500823	57.704	57.611
25) L5 AR-1248-5	5.621	5.598	14994552	12205093	58.252	56.728

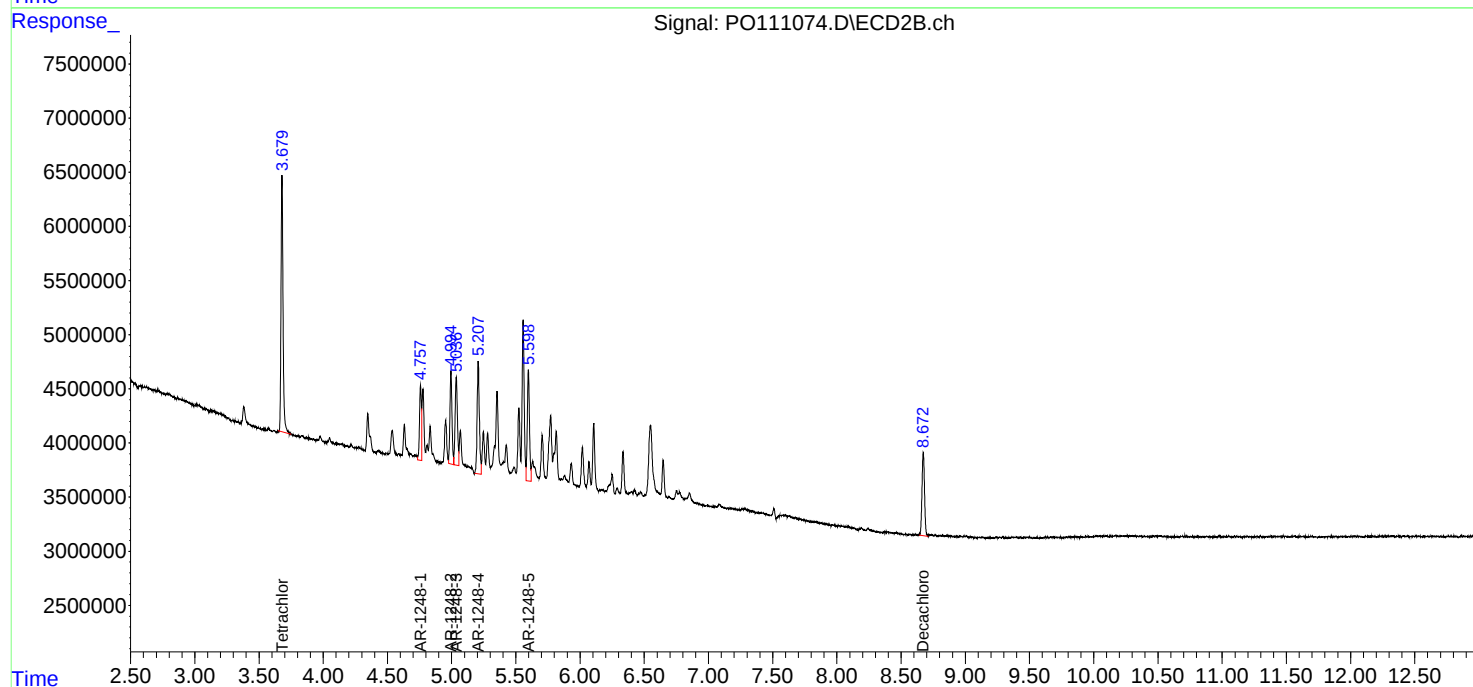
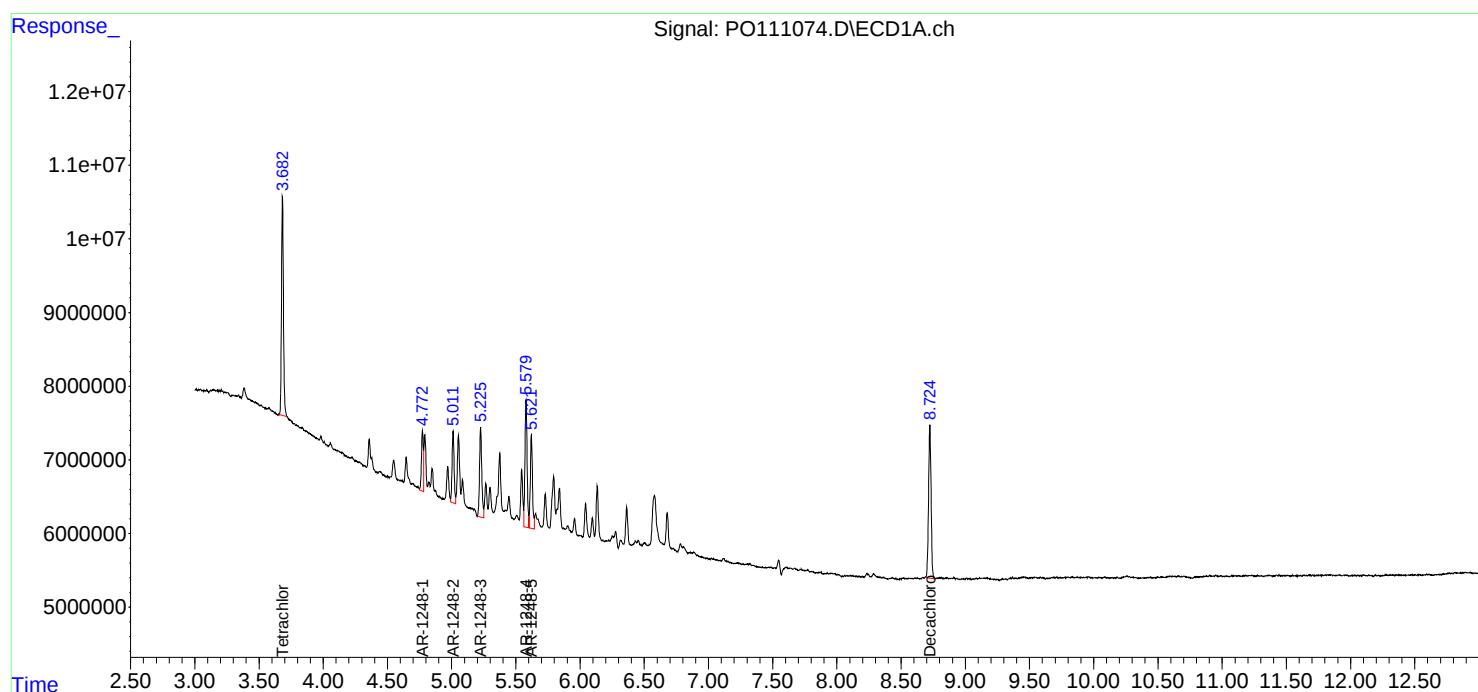
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111074.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:12
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:28:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:26:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111075.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 22:31
 Operator : YP/AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:44:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:44:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	594.9E6	545.4E6	92.829	95.145
2) SA Decachlor...	8.725	8.674	492.4E6	173.0E6	90.453	91.041
Target Compounds						
26) L6 AR-1254-1	5.581	5.558	338.7E6	294.8E6	892.260	911.119
27) L6 AR-1254-2	5.730	5.706	291.9E6	254.2E6	889.968	903.137
28) L6 AR-1254-3	6.134	6.107	475.3E6	400.5E6	907.531	923.736
29) L6 AR-1254-4	6.364	6.336	302.1E6	228.9E6	899.437	914.476
30) L6 AR-1254-5	6.784	6.752	429.2E6	318.4E6	903.044	923.844

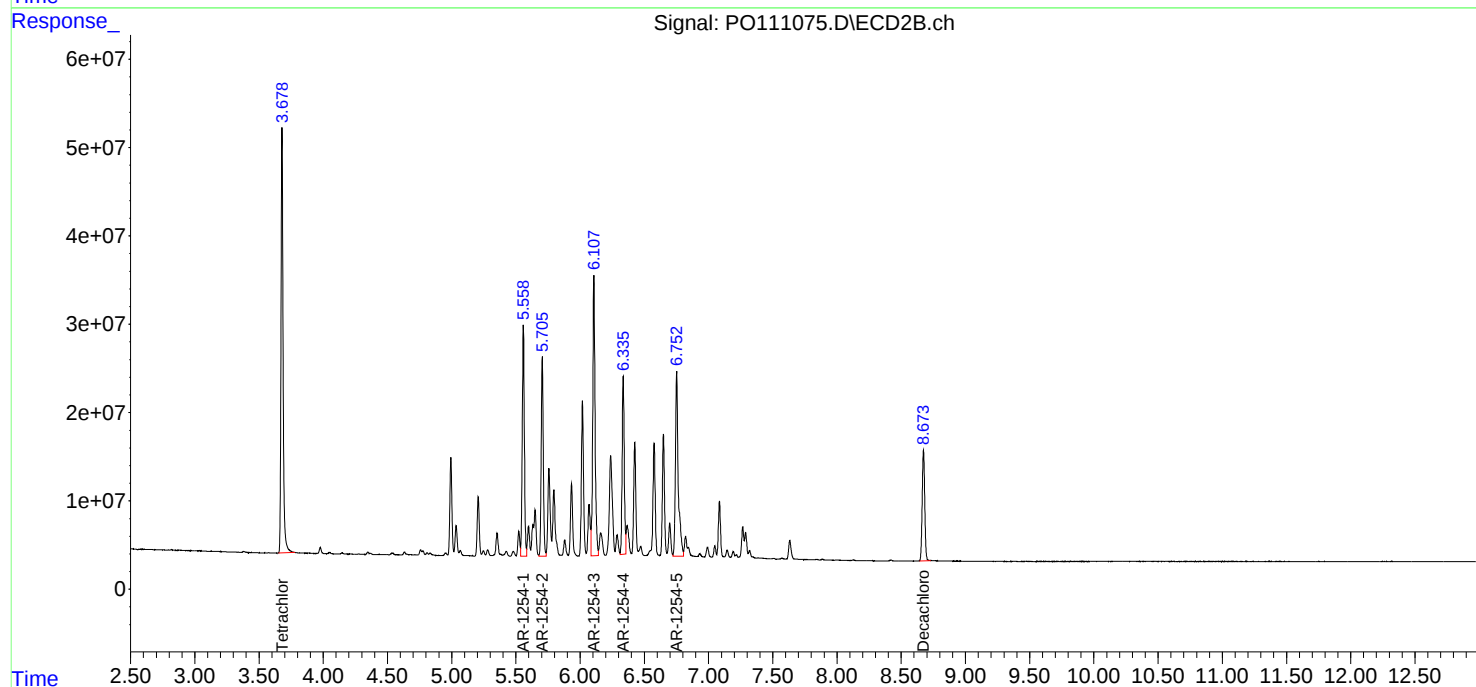
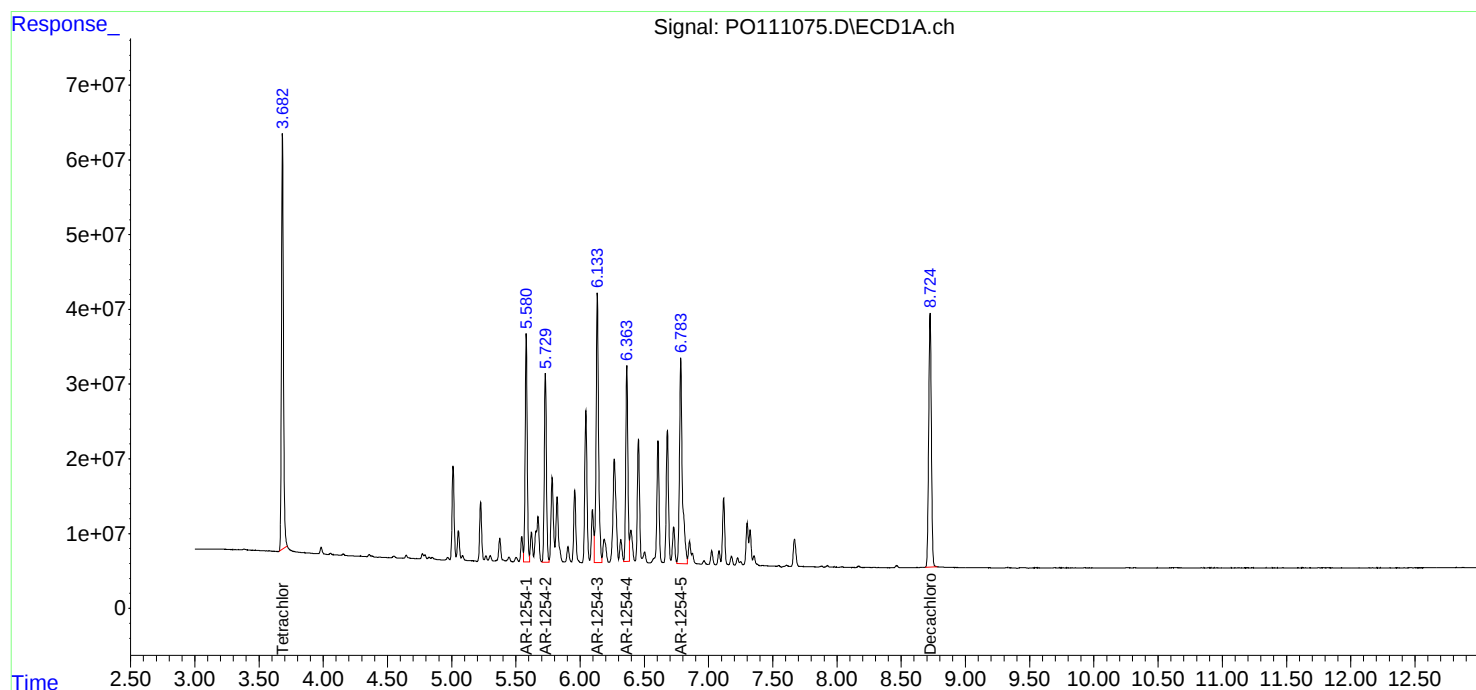
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111075.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:31
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:44:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111076.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 22:49
 Operator : YP/AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:45:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:44:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	464.3E6	419.4E6	72.445	73.166
2) SA Decachlor...	8.725	8.674	385.6E6	135.3E6	70.833	71.214
Target Compounds						
26) L6 AR-1254-1	5.580	5.558	269.5E6	231.2E6	710.036	714.469
27) L6 AR-1254-2	5.730	5.706	232.6E6	200.0E6	709.227	710.467
28) L6 AR-1254-3	6.134	6.108	374.9E6	311.4E6	715.696	718.231
29) L6 AR-1254-4	6.363	6.336	239.1E6	178.6E6	711.714	713.500
30) L6 AR-1254-5	6.784	6.753	339.0E6	247.1E6	713.244	717.200

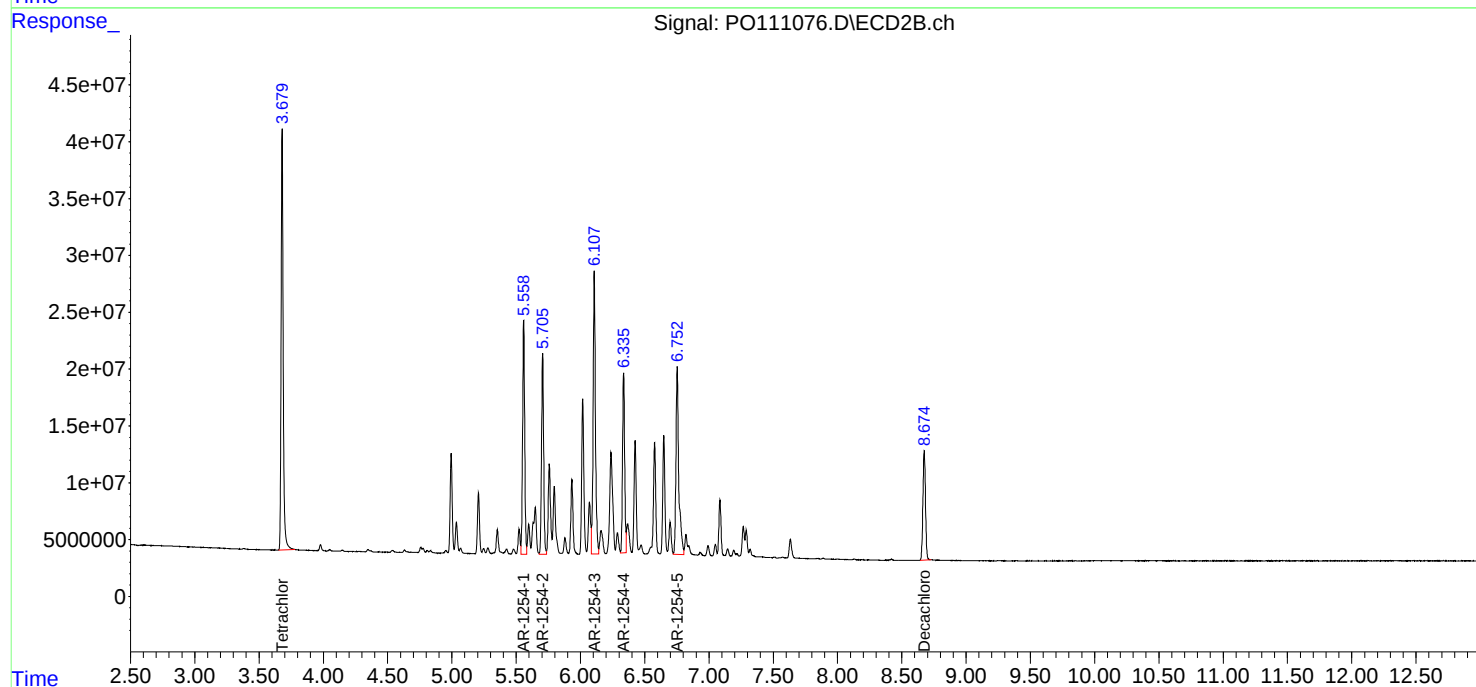
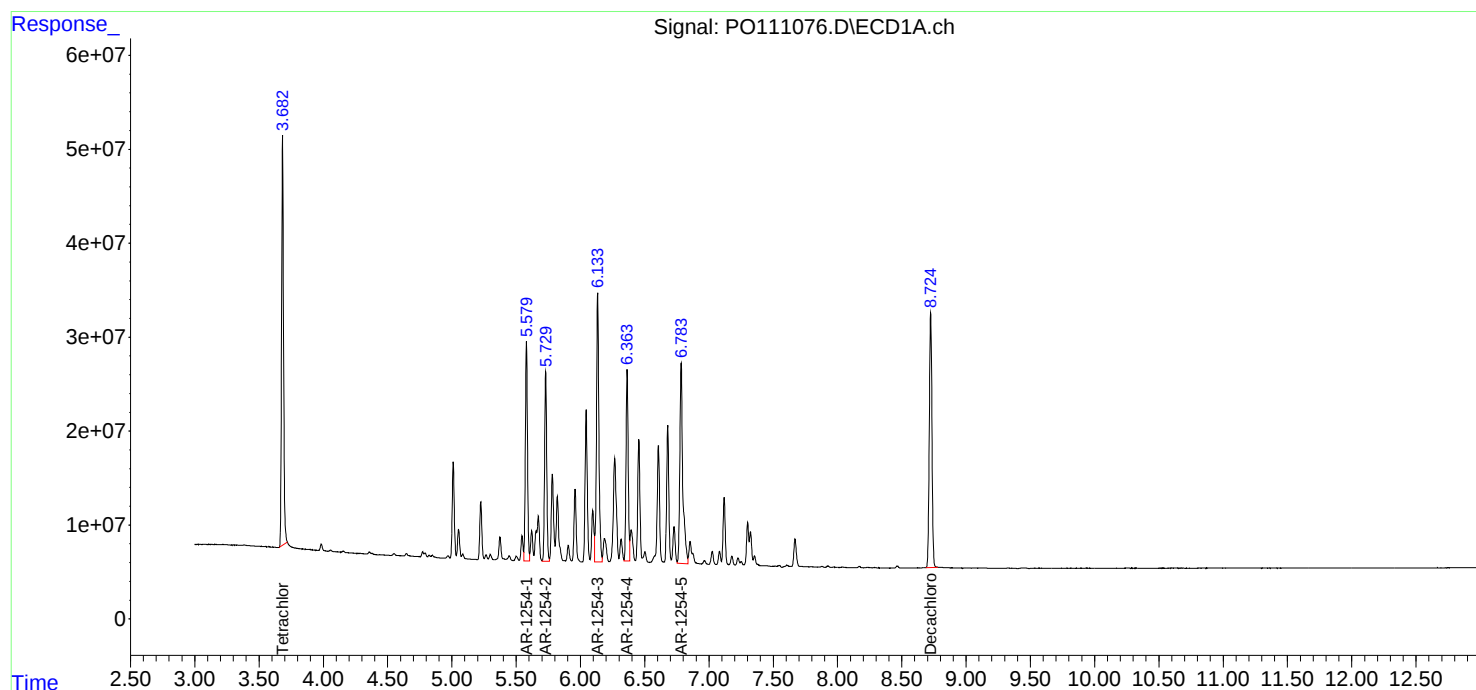
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 22:49
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111077.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 23:06
 Operator : YP/AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:45:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:44:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.681	3.679	320.4E6	286.6E6	50.000	50.000
2) SA Decachlor...	8.722	8.673	272.2E6	95028644	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.578	5.557	189.8E6	161.8E6	500.000	500.000
27) L6 AR-1254-2	5.727	5.705	164.0E6	140.7E6	500.000	500.000
28) L6 AR-1254-3	6.132	6.107	261.9E6	216.8E6	500.000	500.000
29) L6 AR-1254-4	6.361	6.335	167.9E6	125.1E6	500.000	500.000
30) L6 AR-1254-5	6.781	6.751	237.7E6	172.3E6	500.000	500.000

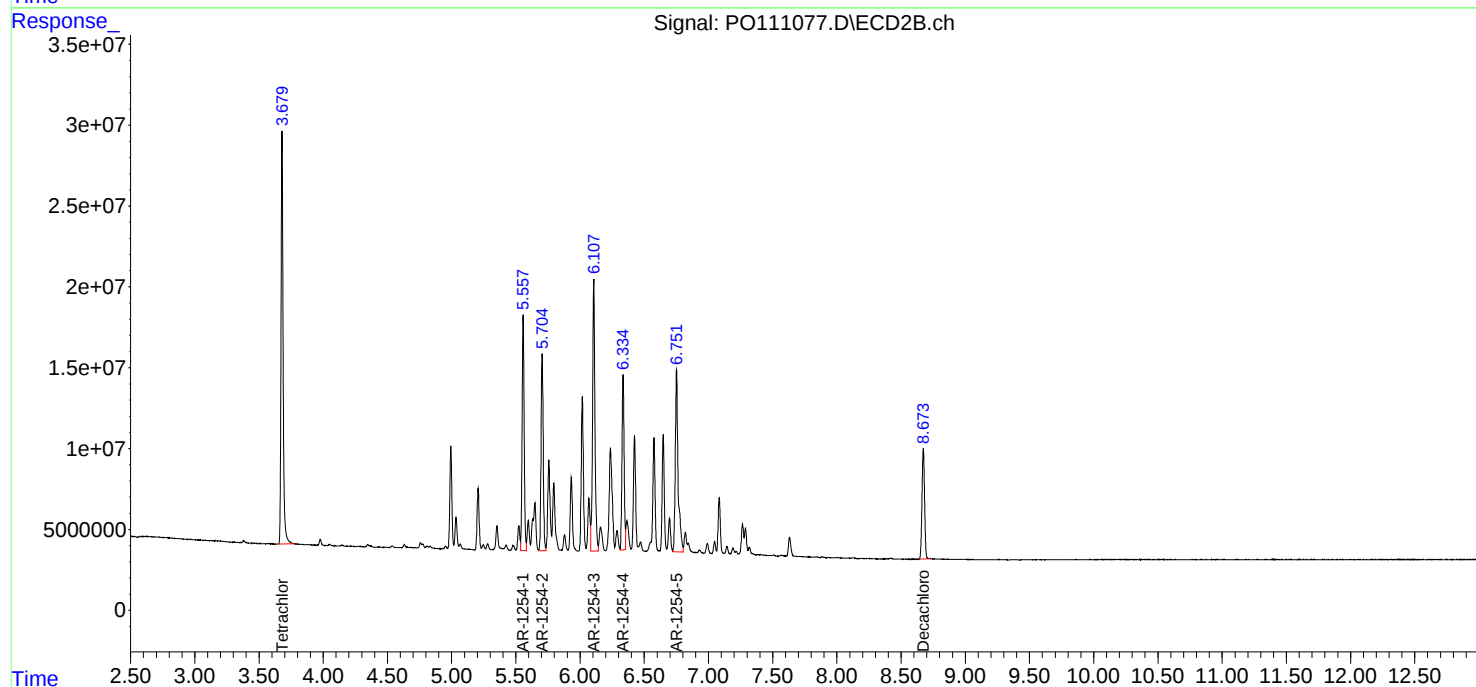
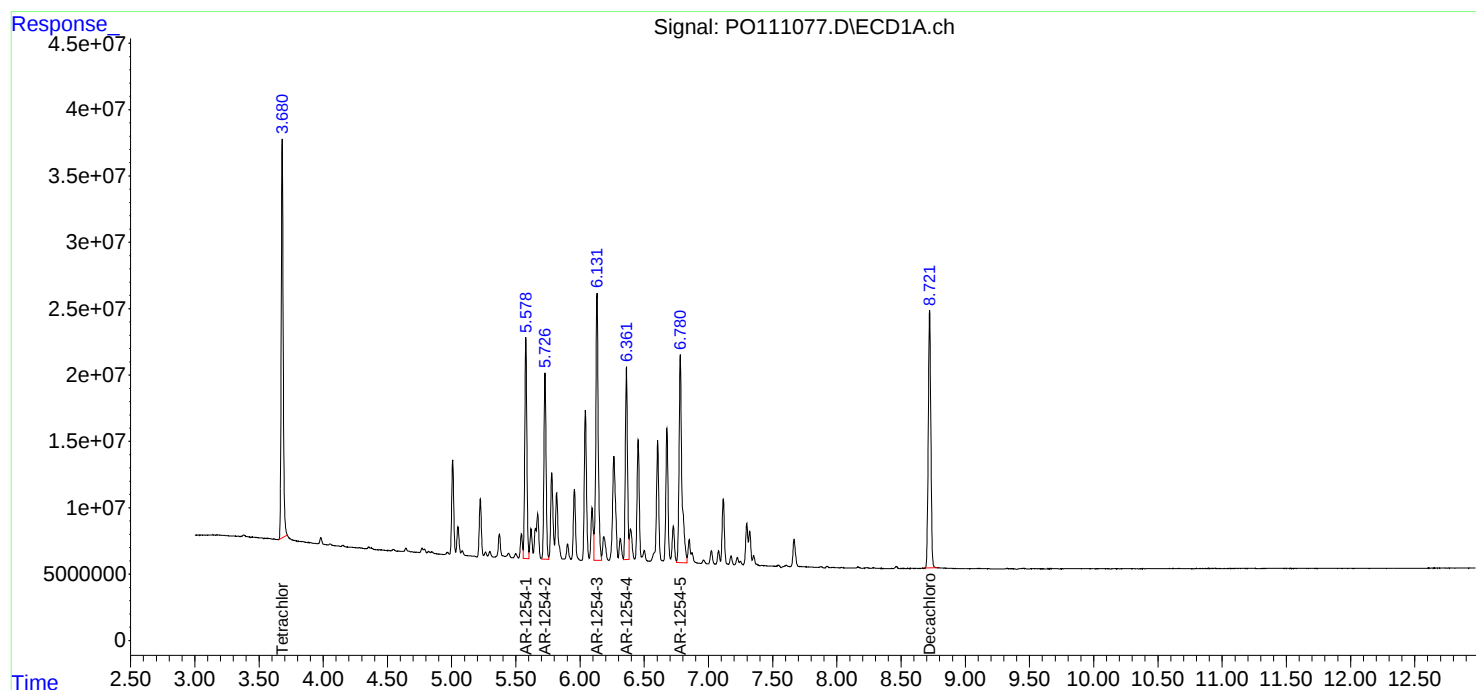
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111077.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:06
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111078.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 23:25
 Operator : YP/AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:45:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:44:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	164.6E6	143.2E6	25.683	24.975
2) SA Decachlor...	8.723	8.674	142.5E6	50465688	26.181	26.553
Target Compounds						
26) L6 AR-1254-1	5.581	5.558	100.5E6	84767134	264.857	261.944
27) L6 AR-1254-2	5.730	5.706	86931936	74488276	265.082	264.655
28) L6 AR-1254-3	6.134	6.108	137.3E6	112.1E6	262.162	258.480
29) L6 AR-1254-4	6.364	6.336	87996975	64908604	261.987	259.337
30) L6 AR-1254-5	6.783	6.752	125.2E6	89675566	263.481	260.235

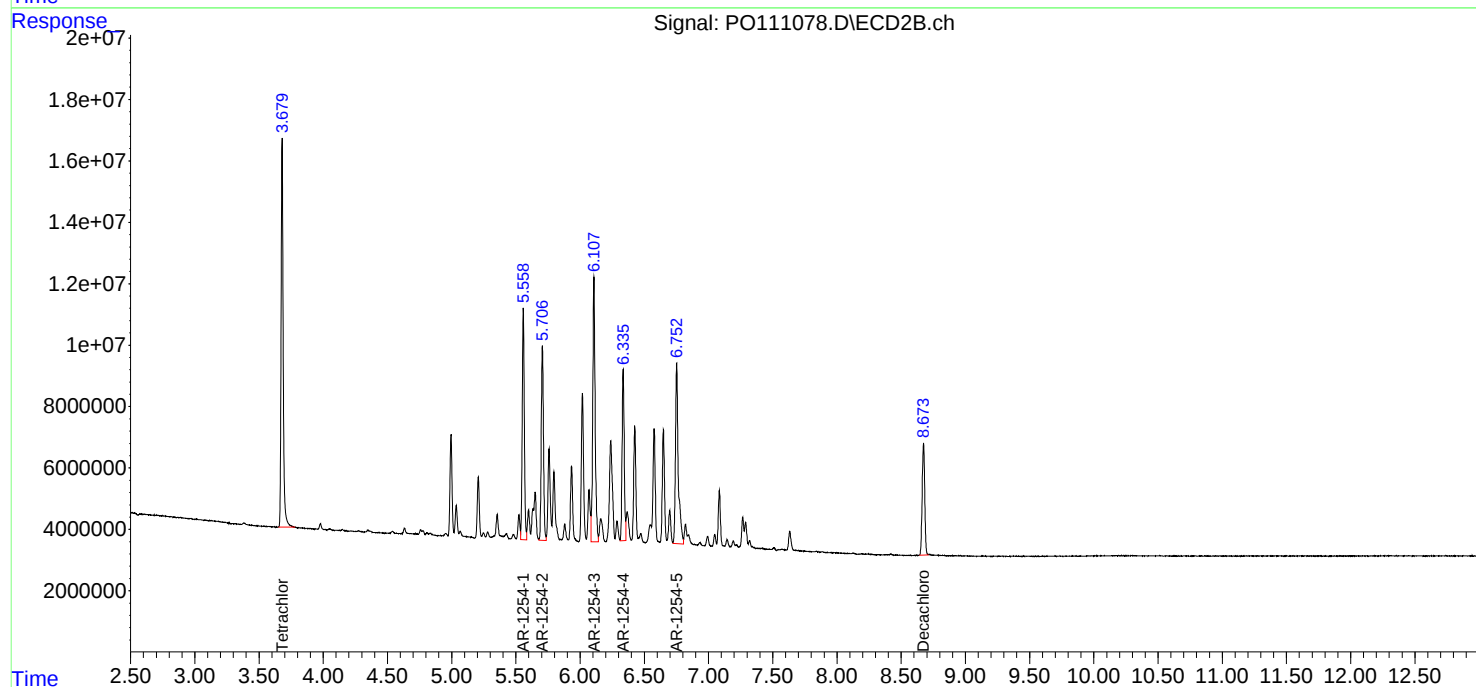
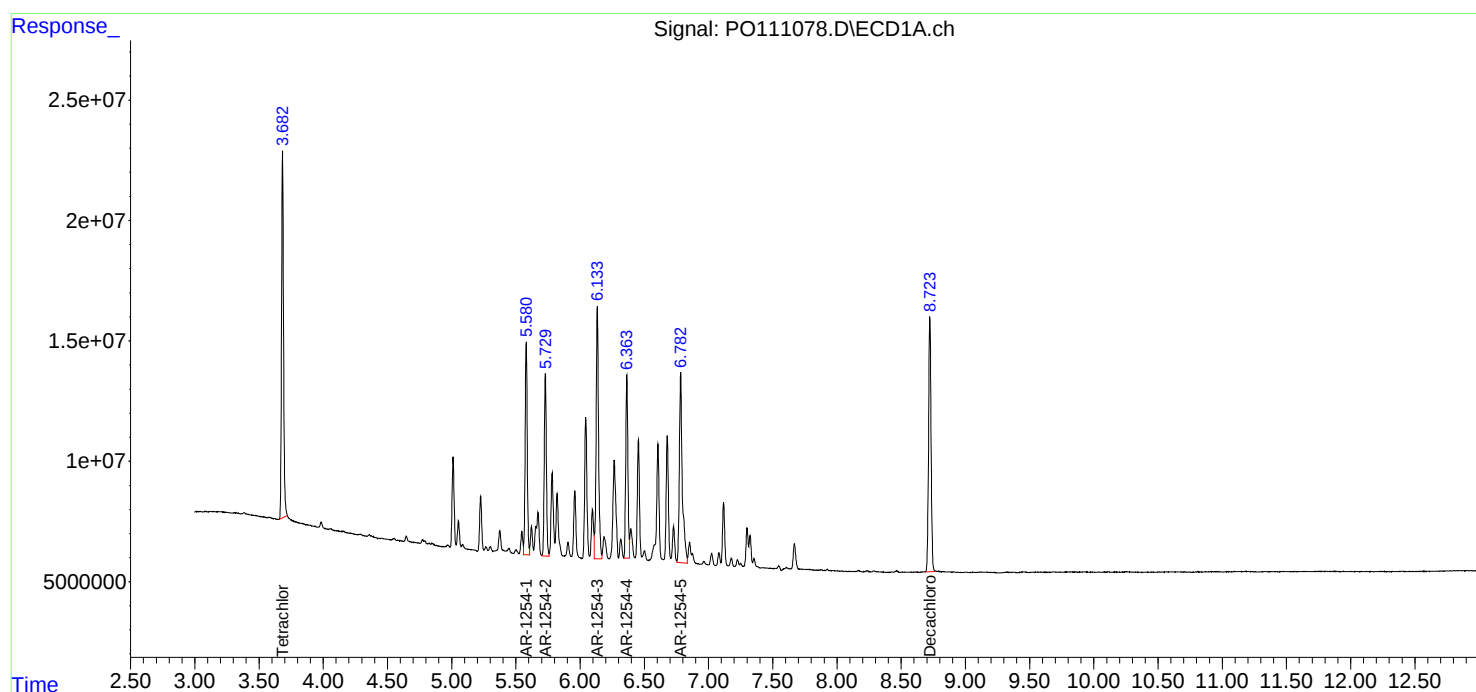
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:25
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:45:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111079.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 23:43
 Operator : YP/AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:46:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:44:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.682	3.679	31694642	26928528	4.946	4.698
2) SA Decachlor...	8.724	8.674	29313873	10245264	5.385	5.391
Target Compounds						
26) L6 AR-1254-1	5.580	5.558	20909365	17719774	55.088	54.757
27) L6 AR-1254-2	5.729	5.706	17811498	15800223	54.313	56.138
28) L6 AR-1254-3	6.134	6.107	29128076	22990579	55.613	53.030
29) L6 AR-1254-4	6.364	6.335	18583927	12990476	55.329	51.902
30) L6 AR-1254-5	6.783	6.752	25740607	18926439	54.156	54.924

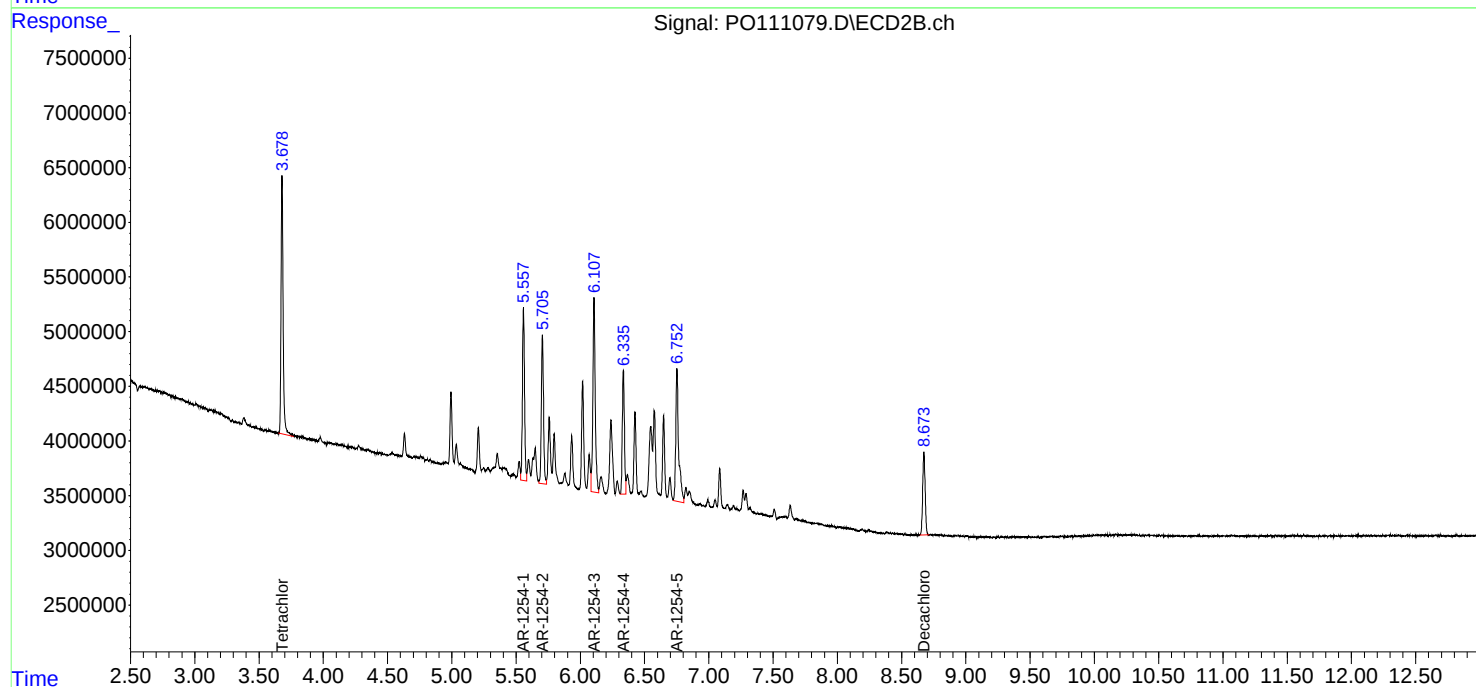
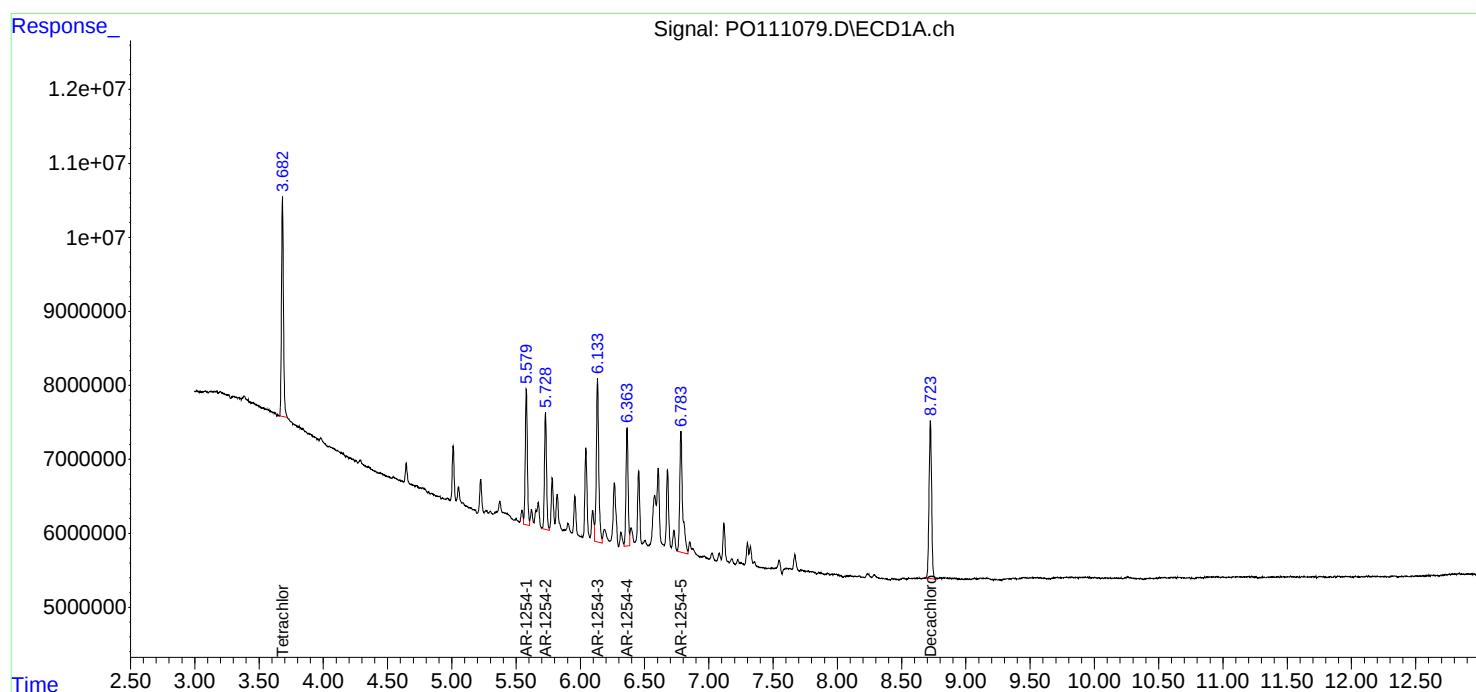
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 23:43
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:46:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:44:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111080.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 00:01
 Operator : YP/AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 05:59:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 05:58:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	303.0E6	269.7E6	50.000	50.000
2) SA Decachlor...	8.725	8.674	257.1E6	90216078	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.823	6.792	243.3E6	170.4E6	500.000	500.000
37) L8 AR-1262-2	7.325	7.291	404.2E6	251.4E6	500.000	500.000
38) L8 AR-1262-3	7.609	7.573	169.1E6	93817526	500.000	500.000
39) L8 AR-1262-4	7.674	7.637	295.2E6	165.1E6	500.000	500.000
40) L8 AR-1262-5	8.170	8.129	142.6E6	56152869	500.000	500.000

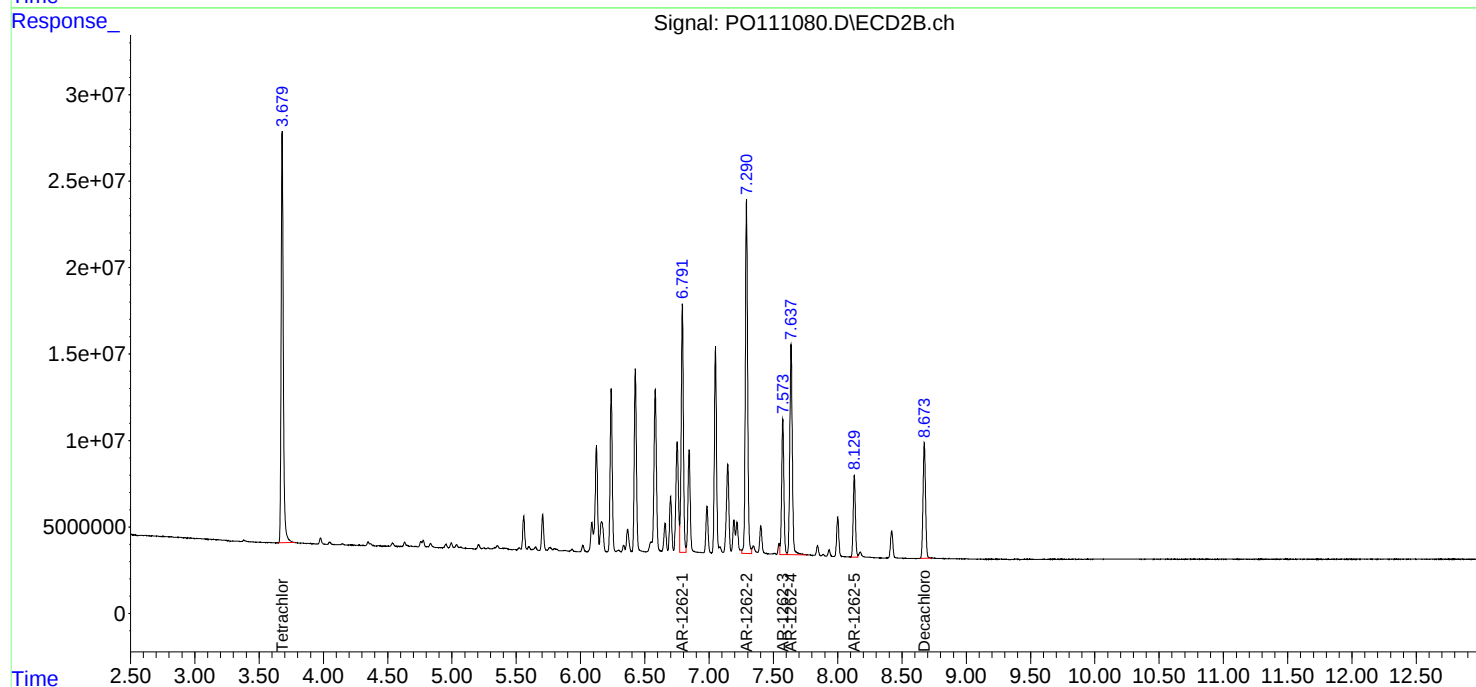
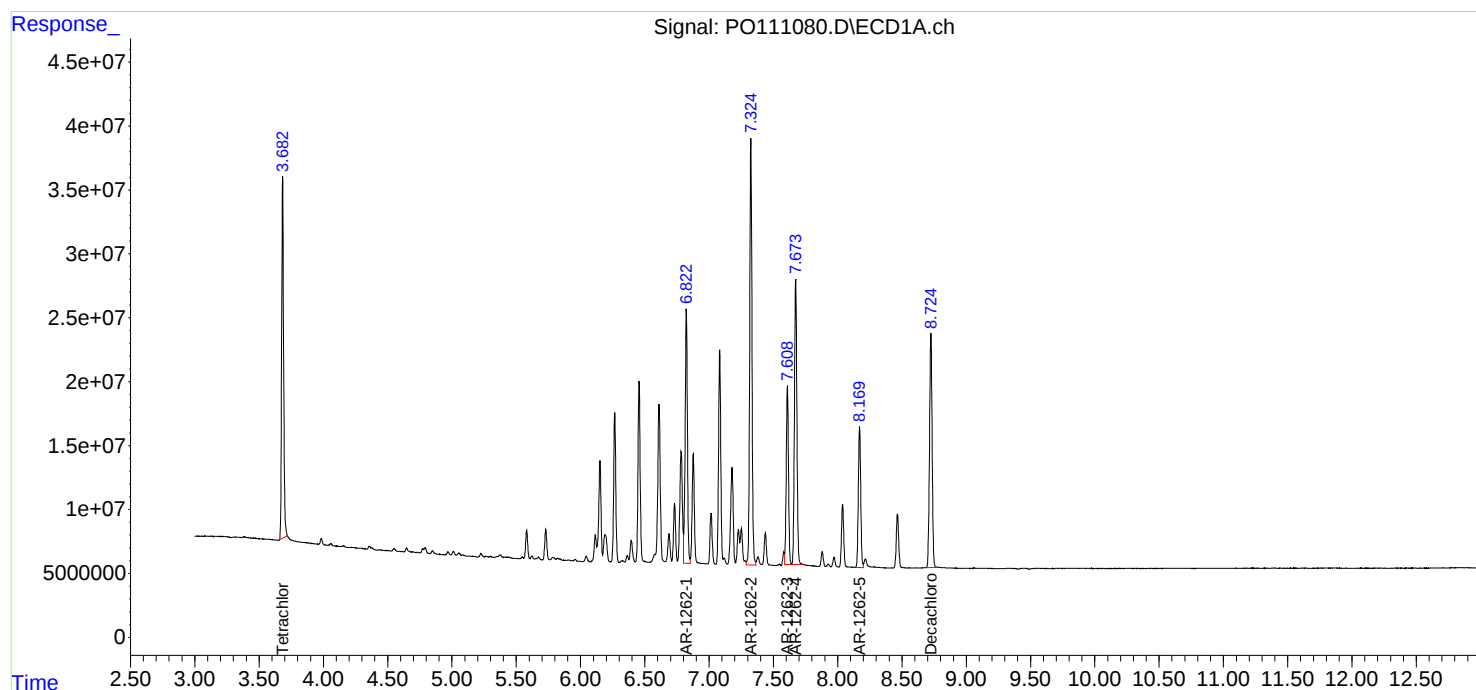
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:01
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 05:59:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 05:58:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111081.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 00:19
 Operator : YP/AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:14:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:12:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.681	3.679	617.2E6	563.6E6	95.813	97.941
2) SA Decachlor...	8.722	8.673	888.9E6	302.3E6	93.525	92.754
Target Compounds						
41) L9 AR-1268-1	7.607	7.572	930.9E6	505.7E6	951.478	954.847
42) L9 AR-1268-2	7.672	7.636	856.4E6	460.5E6	949.753	951.728
43) L9 AR-1268-3	7.879	7.843	718.7E6	328.7E6	939.809	940.342
44) L9 AR-1268-4	8.168	8.129	311.2E6	119.7E6	939.708	916.655
45) L9 AR-1268-5	8.463	8.419	2117.7E6	727.9E6	964.968	960.699

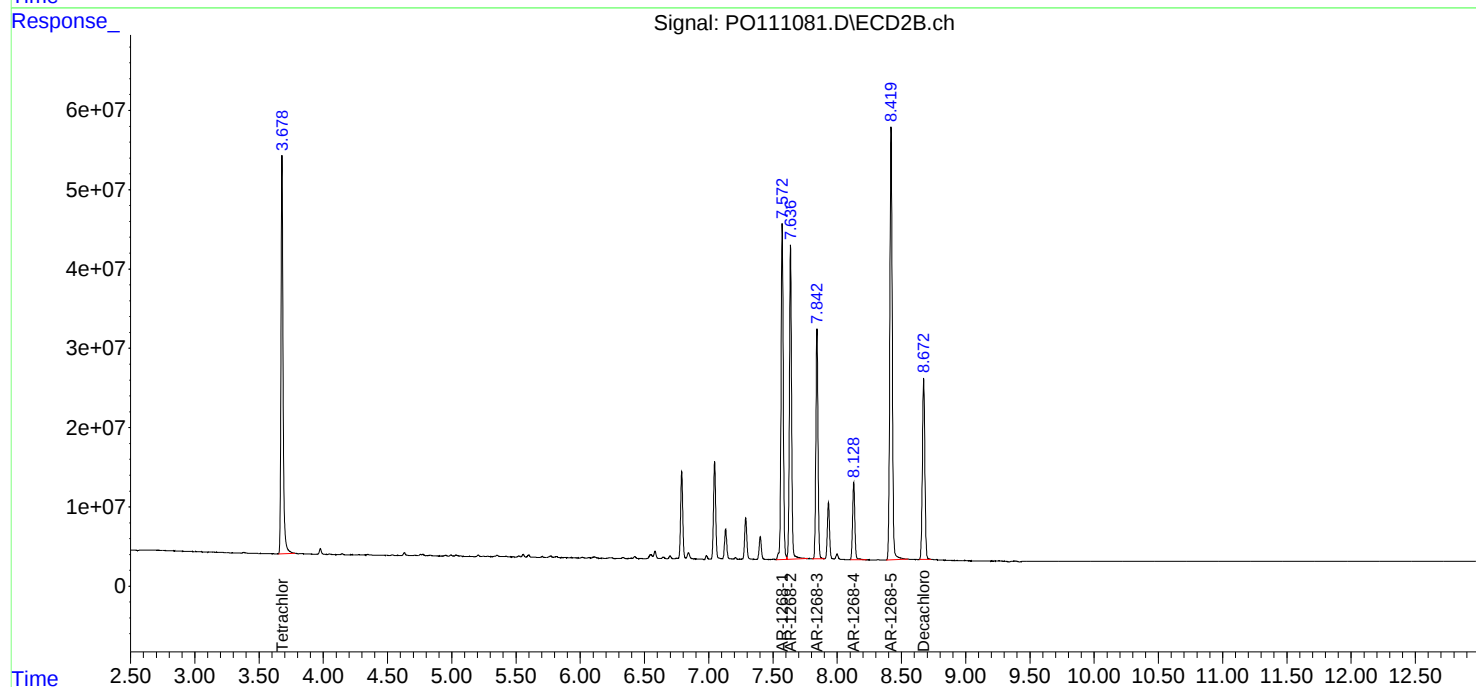
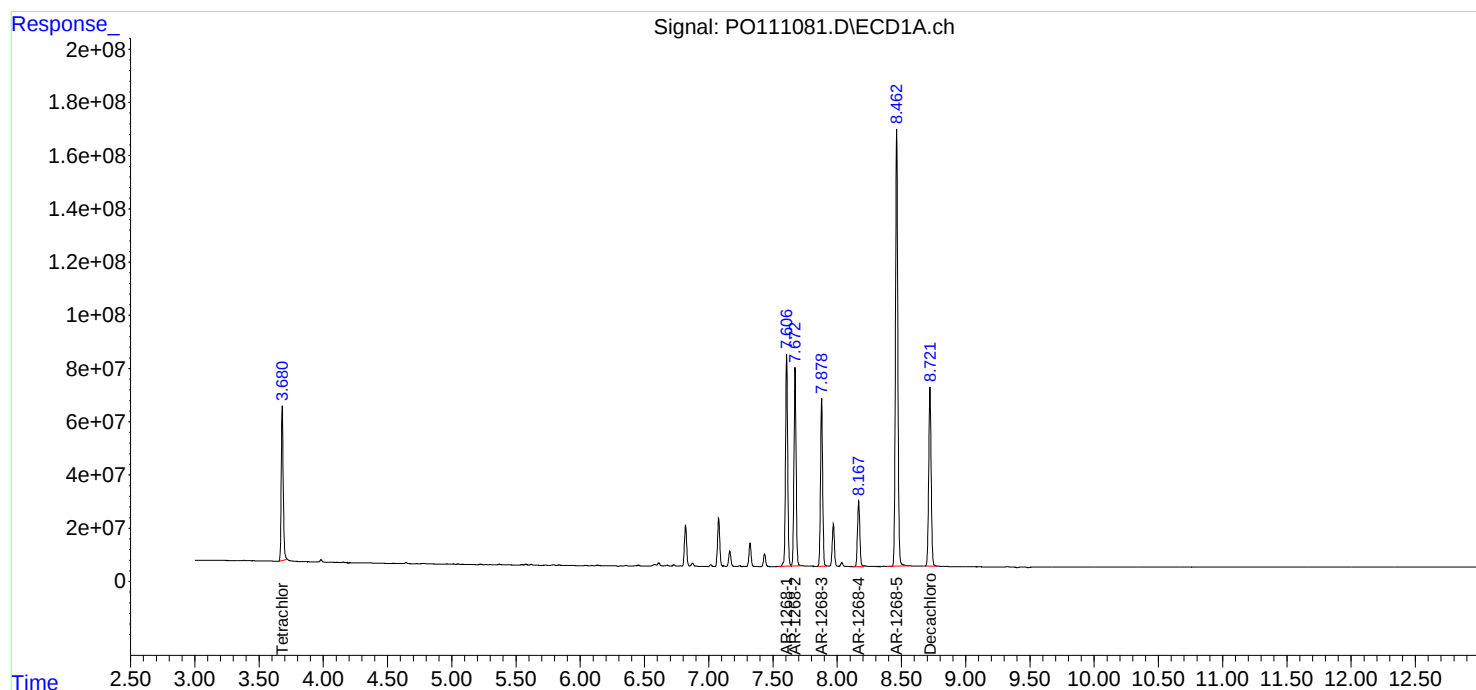
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:19
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:14:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111082.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 00:37
 Operator : YP/AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:14:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:12:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	462.6E6	419.6E6	71.819	72.910
2) SA Decachlor...	8.723	8.673	676.0E6	230.8E6	71.125	70.822
Target Compounds						
41) L9 AR-1268-1	7.608	7.572	702.4E6	381.3E6	717.998	719.962
42) L9 AR-1268-2	7.673	7.637	645.4E6	348.7E6	715.759	720.605
43) L9 AR-1268-3	7.880	7.843	544.2E6	250.4E6	711.612	716.368
44) L9 AR-1268-4	8.169	8.129	234.9E6	92055642	709.264	704.972
45) L9 AR-1268-5	8.465	8.420	1580.5E6	548.4E6	720.183	723.788

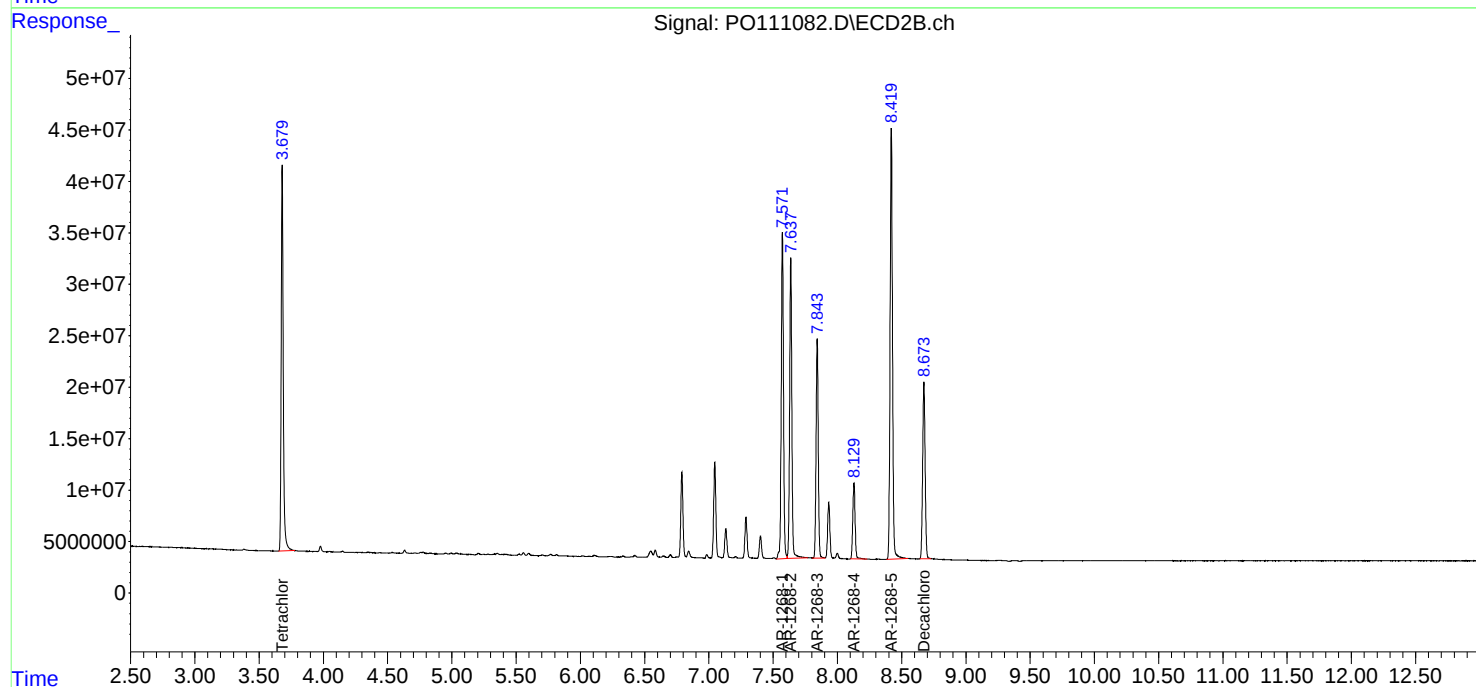
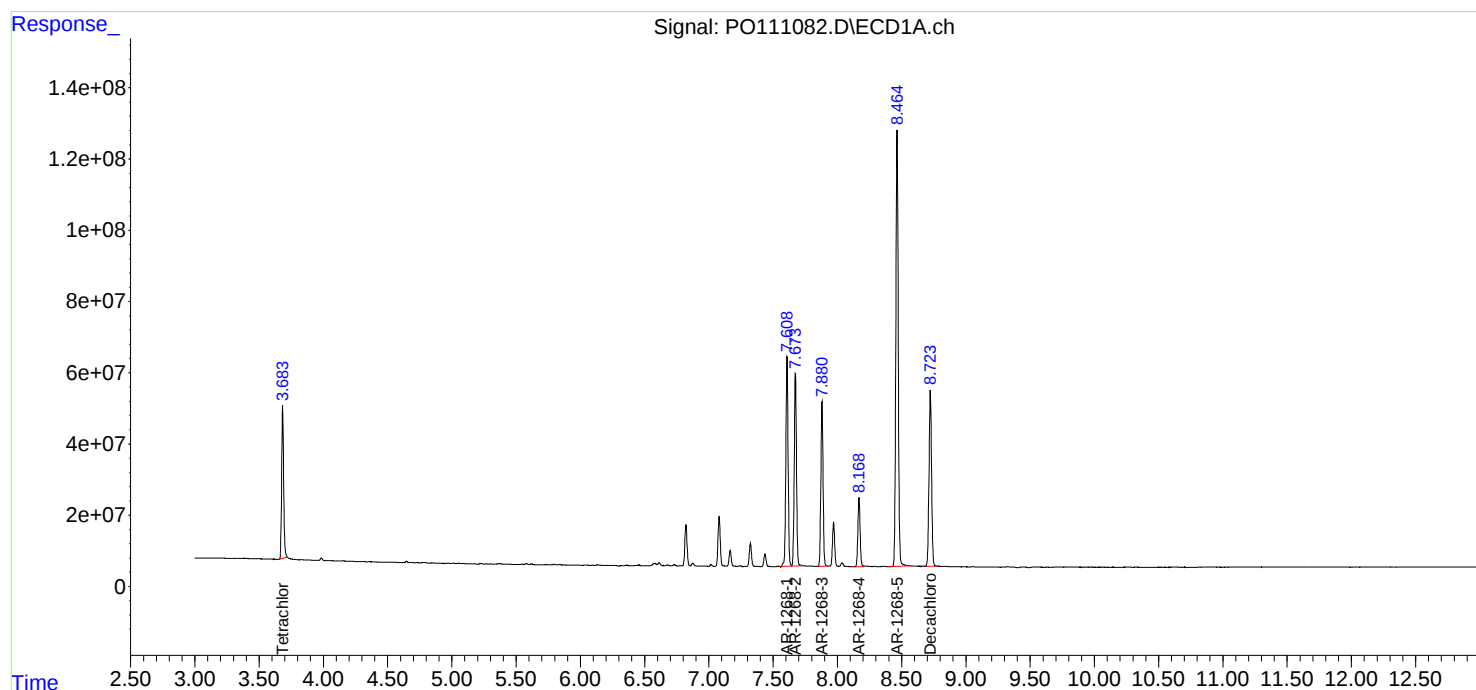
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:37
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:14:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111083.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 00:56
 Operator : YP/AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:16:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:12:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	322.1E6	287.7E6	50.000	50.000
2) SA Decachlor...	8.725	8.674	475.2E6	162.9E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.609	7.573	489.2E6	264.8E6	500.000	500.000
42) L9 AR-1268-2	7.674	7.638	450.8E6	241.9E6	500.000	500.000
43) L9 AR-1268-3	7.881	7.843	382.3E6	174.8E6	500.000	500.000
44) L9 AR-1268-4	8.169	8.130	165.6E6	65290300	500.000	500.000
45) L9 AR-1268-5	8.466	8.421	1097.3E6	378.9E6	500.000	500.000

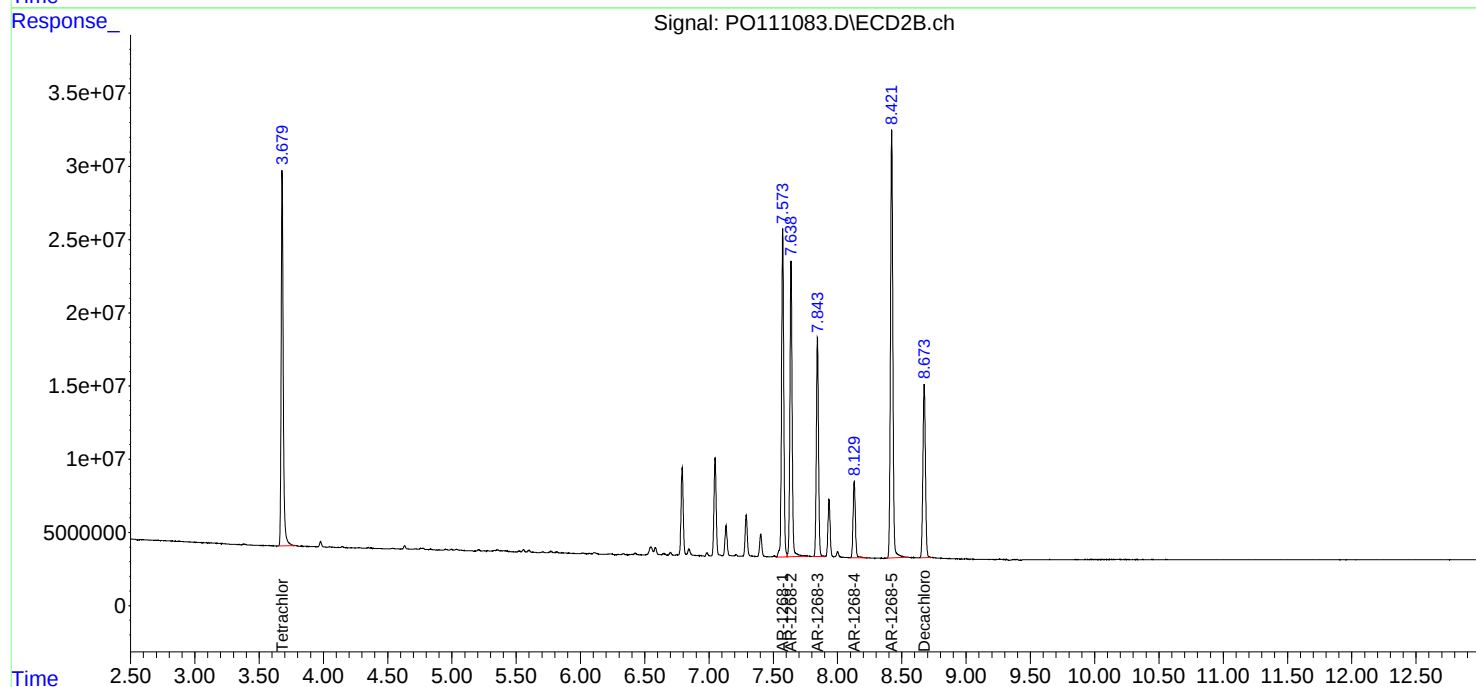
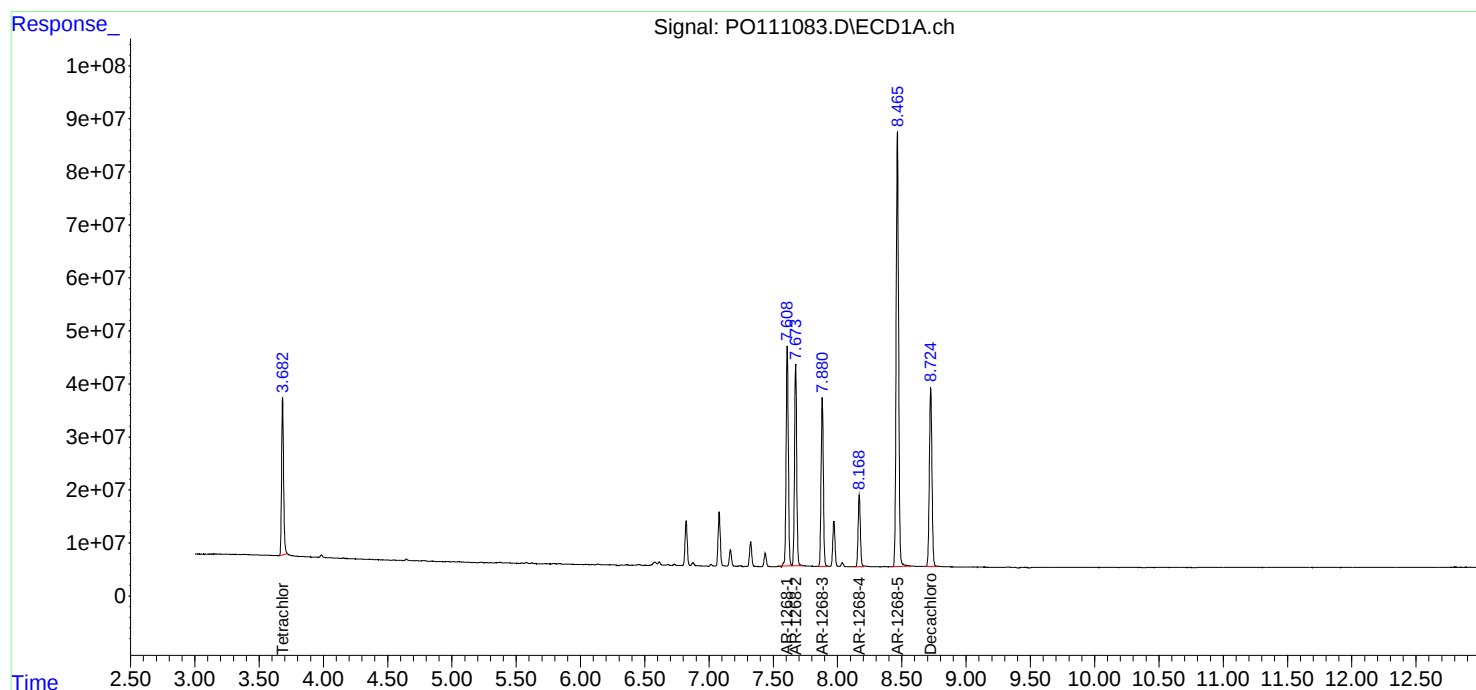
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111083.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 00:56
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:16:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111084.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 01:14
 Operator : YP/AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:17:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:12:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	166.8E6	145.0E6	25.903	25.196
2) SA Decachlor...	8.723	8.673	248.9E6	85935998	26.191	26.371
Target Compounds						
41) L9 AR-1268-1	7.609	7.573	254.0E6	137.6E6	259.607	259.774
42) L9 AR-1268-2	7.673	7.638	233.6E6	125.8E6	259.118	260.022
43) L9 AR-1268-3	7.880	7.842	200.0E6	91603449	261.528	262.093
44) L9 AR-1268-4	8.168	8.129	86826426	34659840	262.172	265.429
45) L9 AR-1268-5	8.464	8.421	558.8E6	195.1E6	254.607	257.459

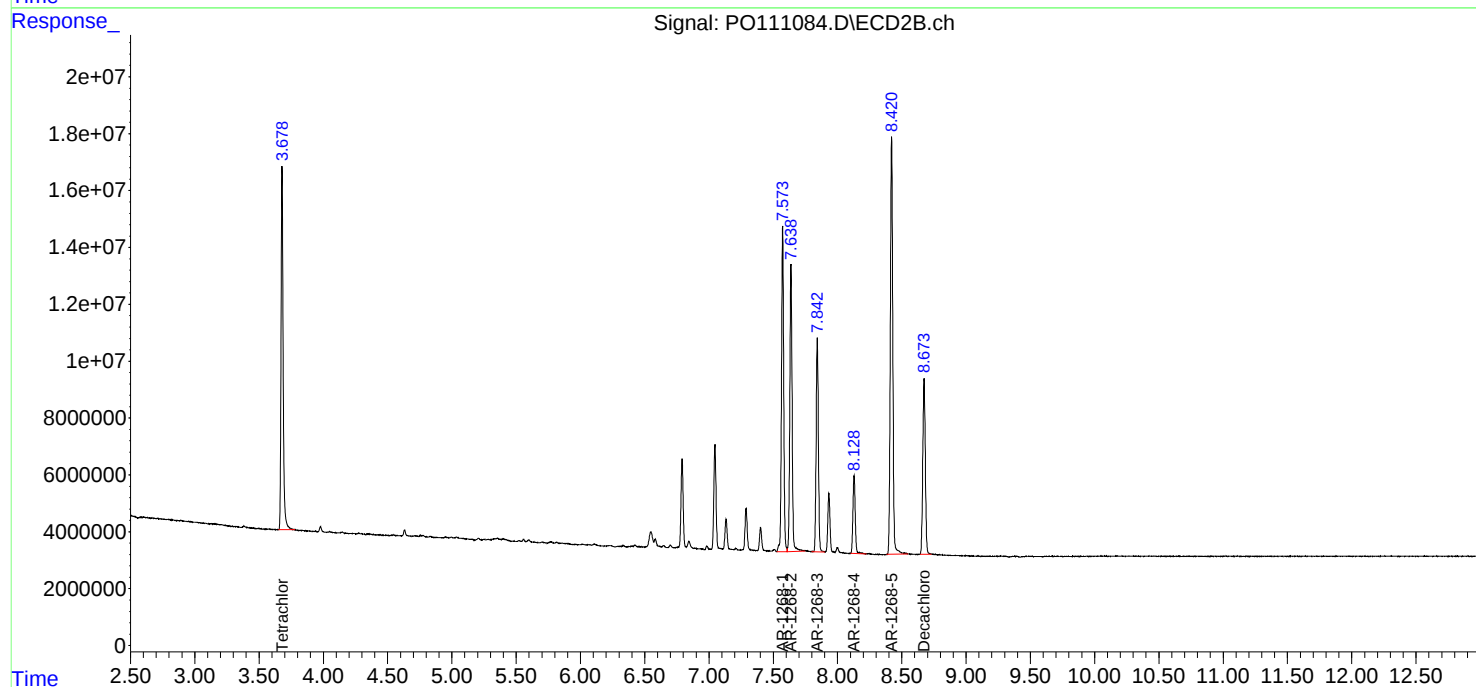
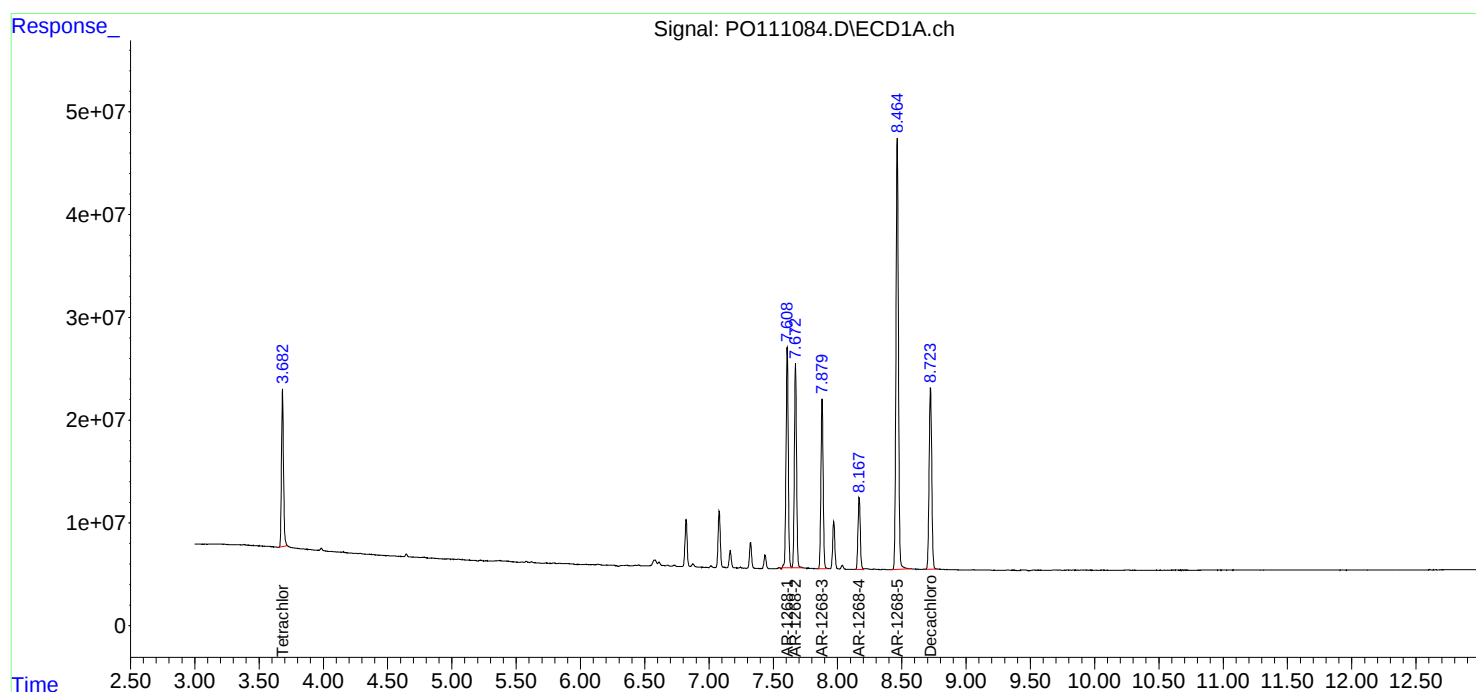
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111084.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:14
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:17:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111085.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 01:31
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:17:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:12:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.681	3.679	30851086	25765381	4.790	4.477
2) SA Decachlor...	8.721	8.673	48646145	16506911	5.119	5.065
Target Compounds						
41) L9 AR-1268-1	7.607	7.572	49315996	27830093	50.408	52.552
42) L9 AR-1268-2	7.671	7.637	45468978	24959856	50.426	51.586
43) L9 AR-1268-3	7.879	7.842	39262321	18191772	51.343	52.050
44) L9 AR-1268-4	8.167	8.128	16499854	6234396	49.821	47.744
45) L9 AR-1268-5	8.463	8.420	106.9E6	38344241	48.698	50.605

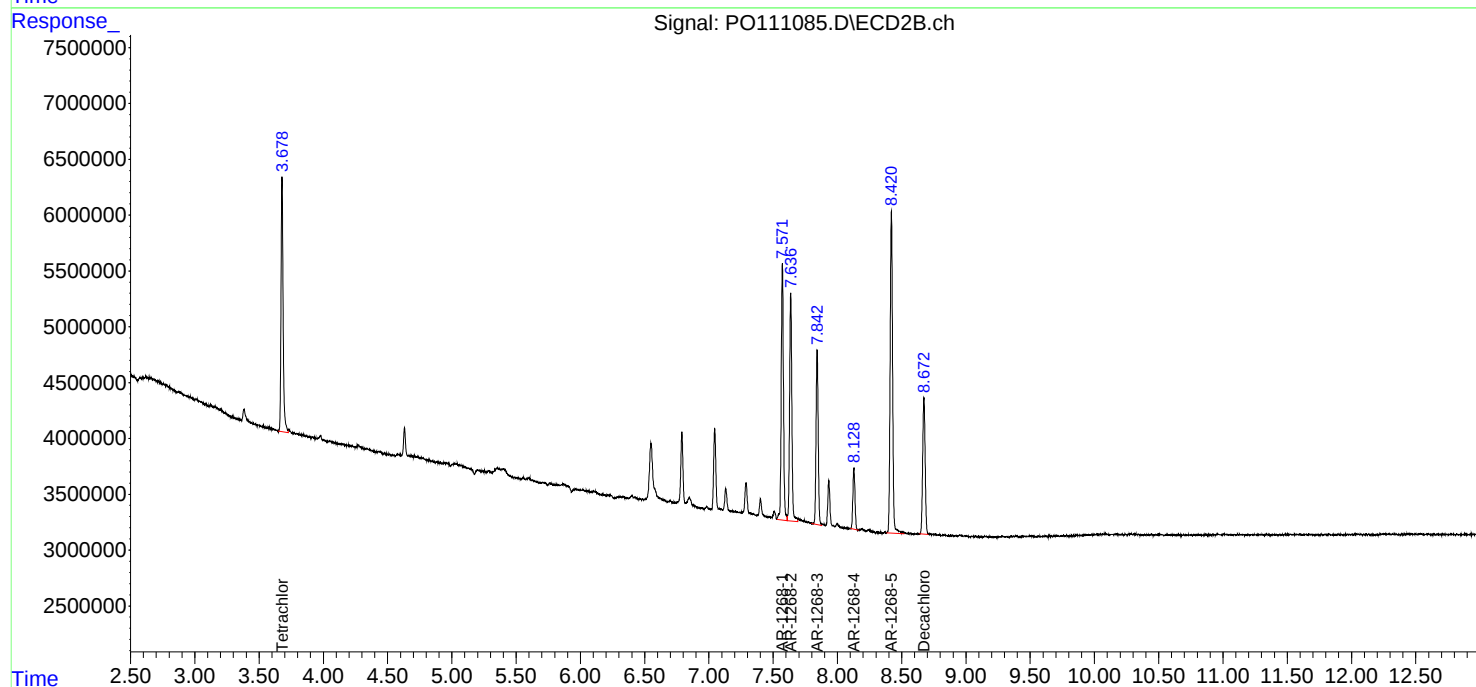
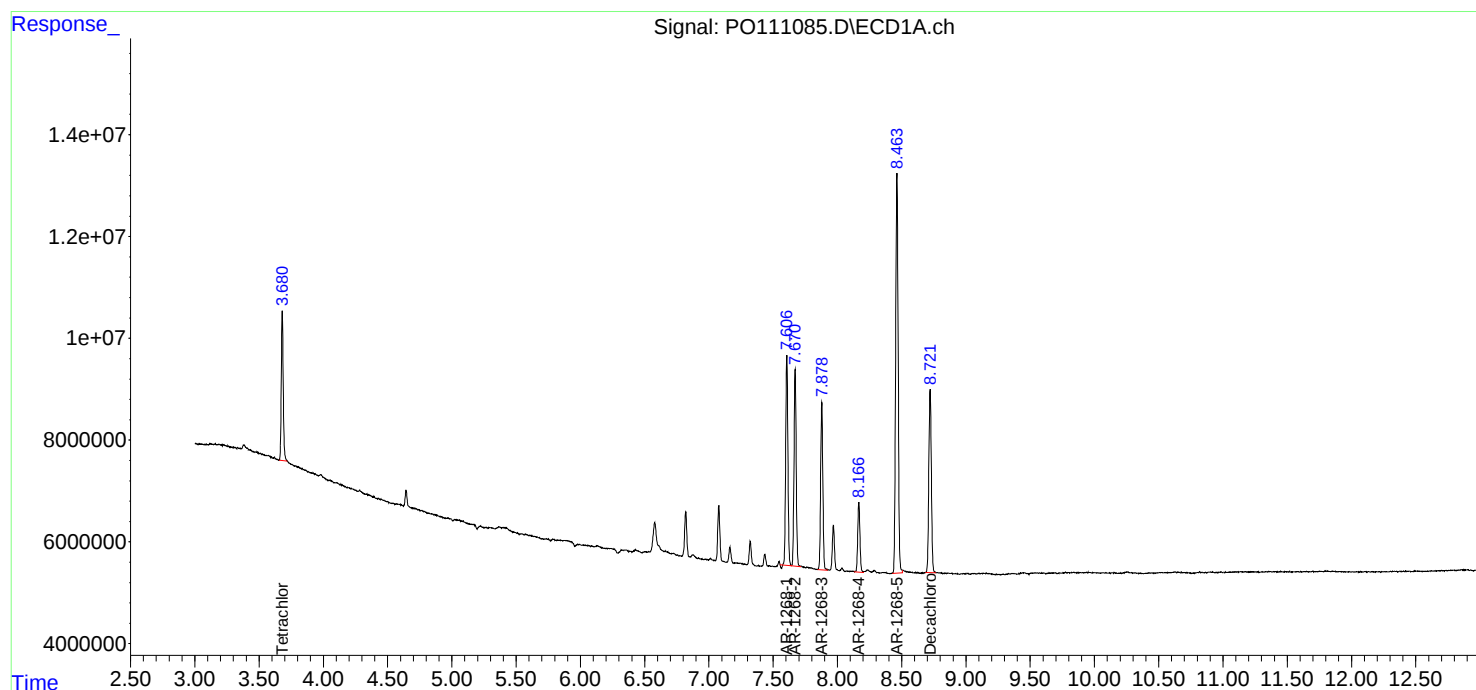
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:31
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:12:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111086.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 01:50
 Operator : YP/AJ
 Sample : P0051525ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO051525

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:39:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:36:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	299.9E6	278.2E6	50.977	51.032
2) SA Decachlor...	8.724	8.674	257.8E6	95007008	49.937	51.351
Target Compounds						
3) L1 AR-1016-1	4.774	4.759	114.2E6	95398004	507.589	499.656
4) L1 AR-1016-2	4.793	4.778	161.4E6	137.6E6	506.205	496.569
5) L1 AR-1016-3	4.849	4.953	112.3E6	73817070	517.291	505.337
6) L1 AR-1016-4	4.969	4.995	88734333	60529384	509.534	504.039
7) L1 AR-1016-5	5.226	5.208	90702842	77413957	515.382	501.384
31) L7 AR-1260-1	6.266	6.238	155.3E6	125.8E6	509.245	503.619
32) L7 AR-1260-2	6.455	6.426	192.1E6	147.5E6	501.513	501.050
33) L7 AR-1260-3	6.822	6.578	175.9E6	139.3E6	504.478	485.852
34) L7 AR-1260-4	7.082	7.049	141.0E6	101.6E6	503.768	506.176
35) L7 AR-1260-5	7.324	7.290	361.0E6	232.3E6	501.501	505.512

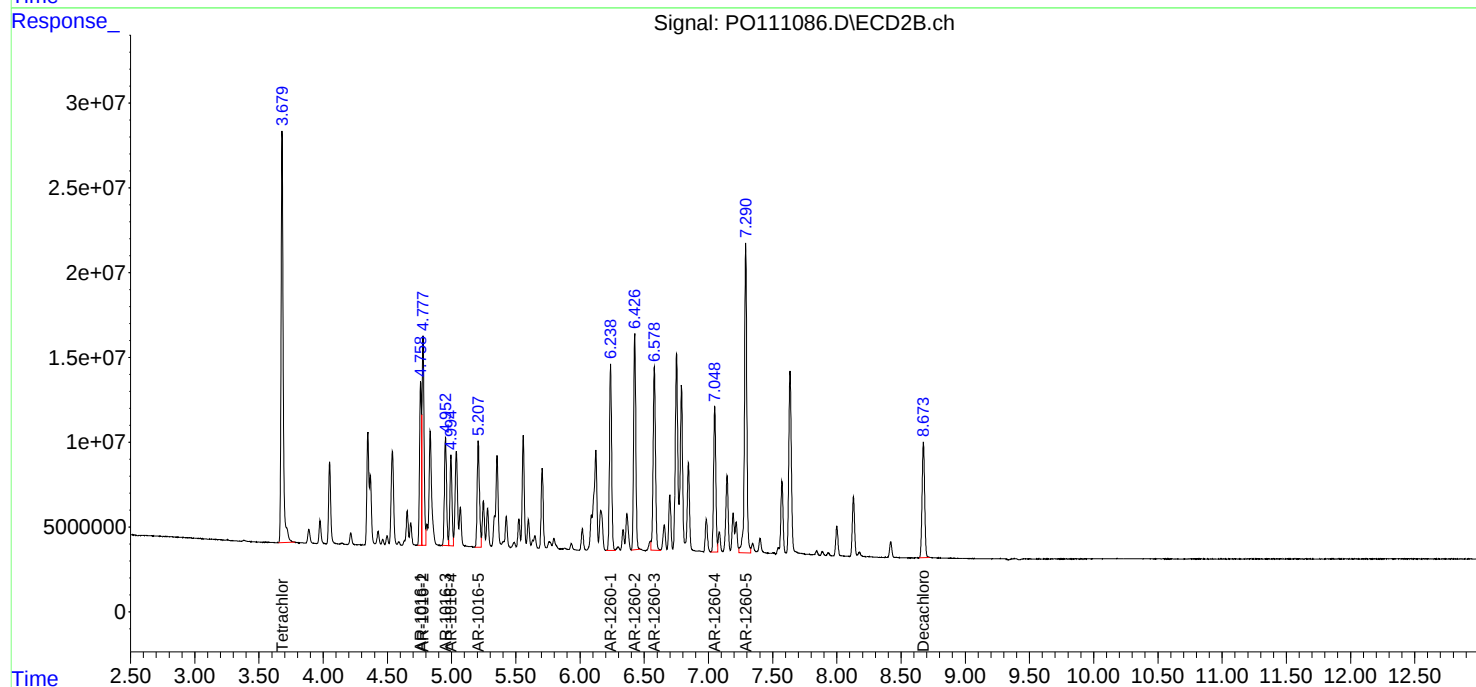
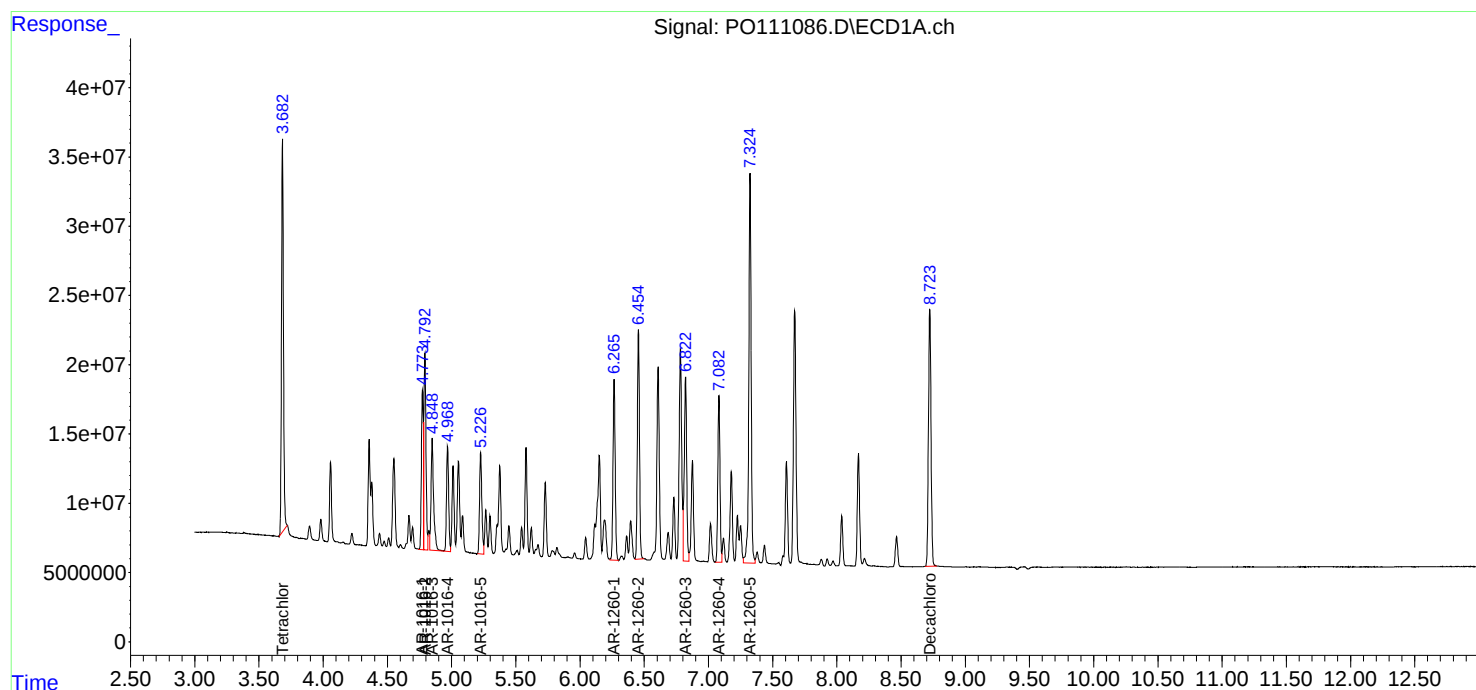
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 01:50
Operator : YP/AJ
Sample : PO051525ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111087.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 02:26
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO051525AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:40:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:36:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	305.8E6	280.9E6	51.973	51.528
2) SA Decachlor...	8.725	8.674	260.0E6	94073353	50.364	50.846
Target Compounds						
16) L4 AR-1242-1	4.773	4.759	100.1E6	82733417	523.282	513.532
17) L4 AR-1242-2	4.792	4.778	140.8E6	120.8E6	517.536	514.803
18) L4 AR-1242-3	4.849	4.953	98004292	64351170	526.942	520.562
19) L4 AR-1242-4	4.969	5.037	77694741	63517417	525.674	513.832
20) L4 AR-1242-5	5.621	5.558	81076986	78206793	521.255	514.564

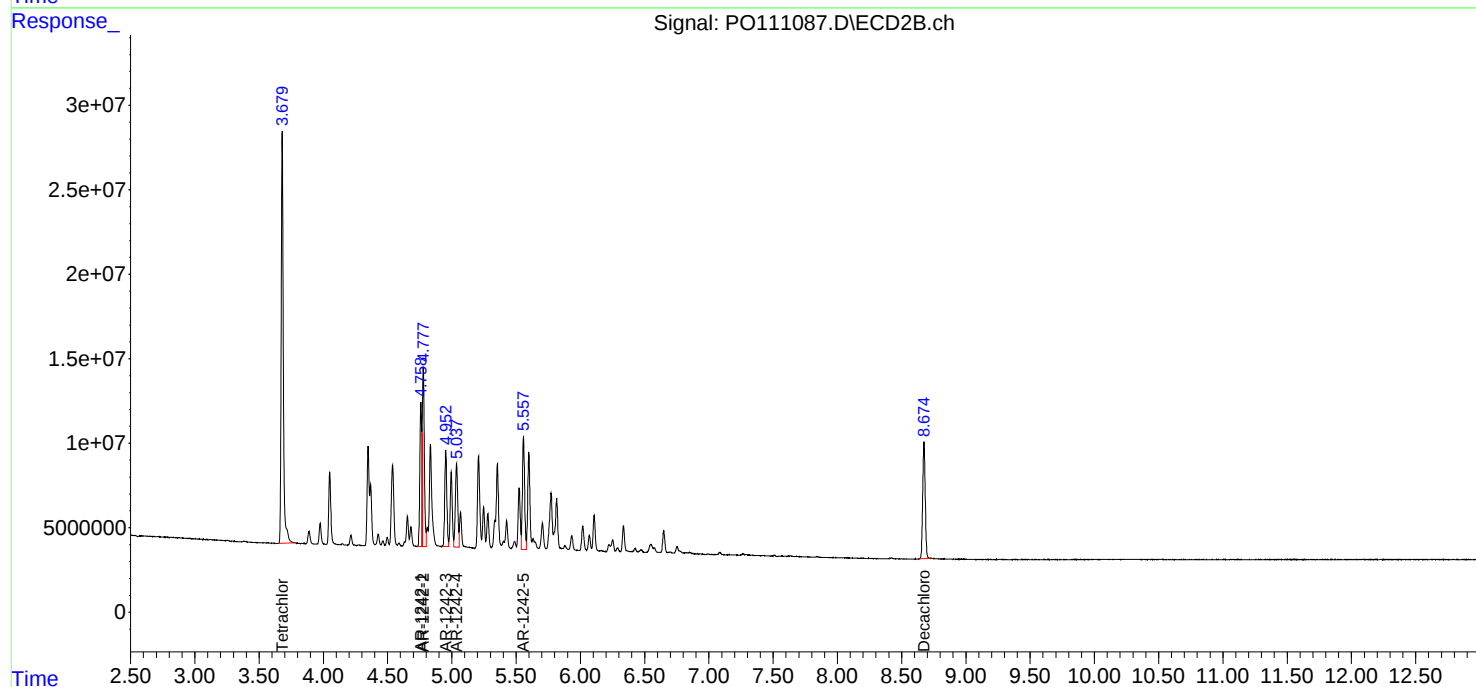
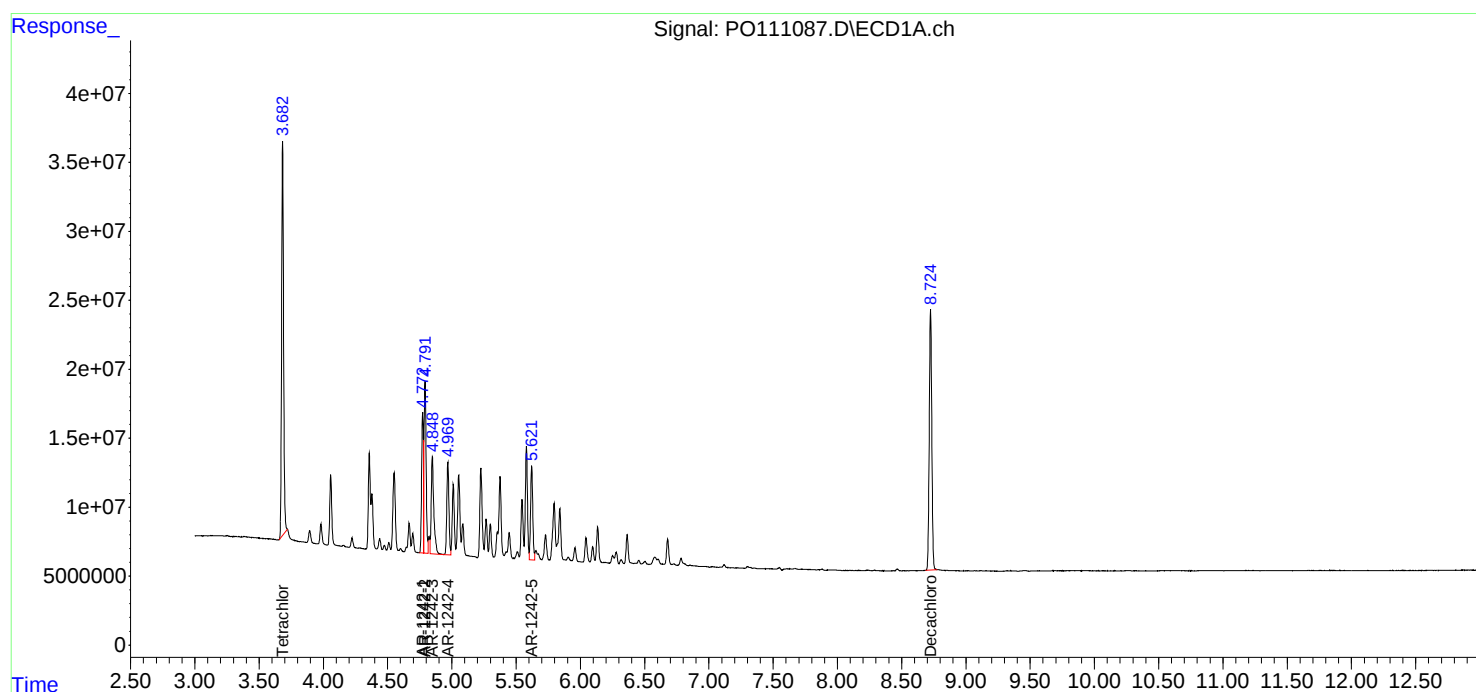
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111087.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 02:26
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:40:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111088.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 03:03
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO051525AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:40:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:36:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.680	302.3E6	269.4E6	51.383	49.416
2) SA Decachlor...	8.725	8.674	257.8E6	92861317	49.936	50.191
Target Compounds						
21) L5 AR-1248-1	4.773	4.758	75013440	61783121	489.753	476.251
22) L5 AR-1248-2	5.012	4.994	98705358	84886979	492.253	482.609
23) L5 AR-1248-3	5.226	5.037	123.6E6	90239307	482.709	480.983
24) L5 AR-1248-4	5.580	5.207	175.1E6	105.4E6	483.415	479.447
25) L5 AR-1248-5	5.622	5.598	126.5E6	105.1E6	482.660	481.511

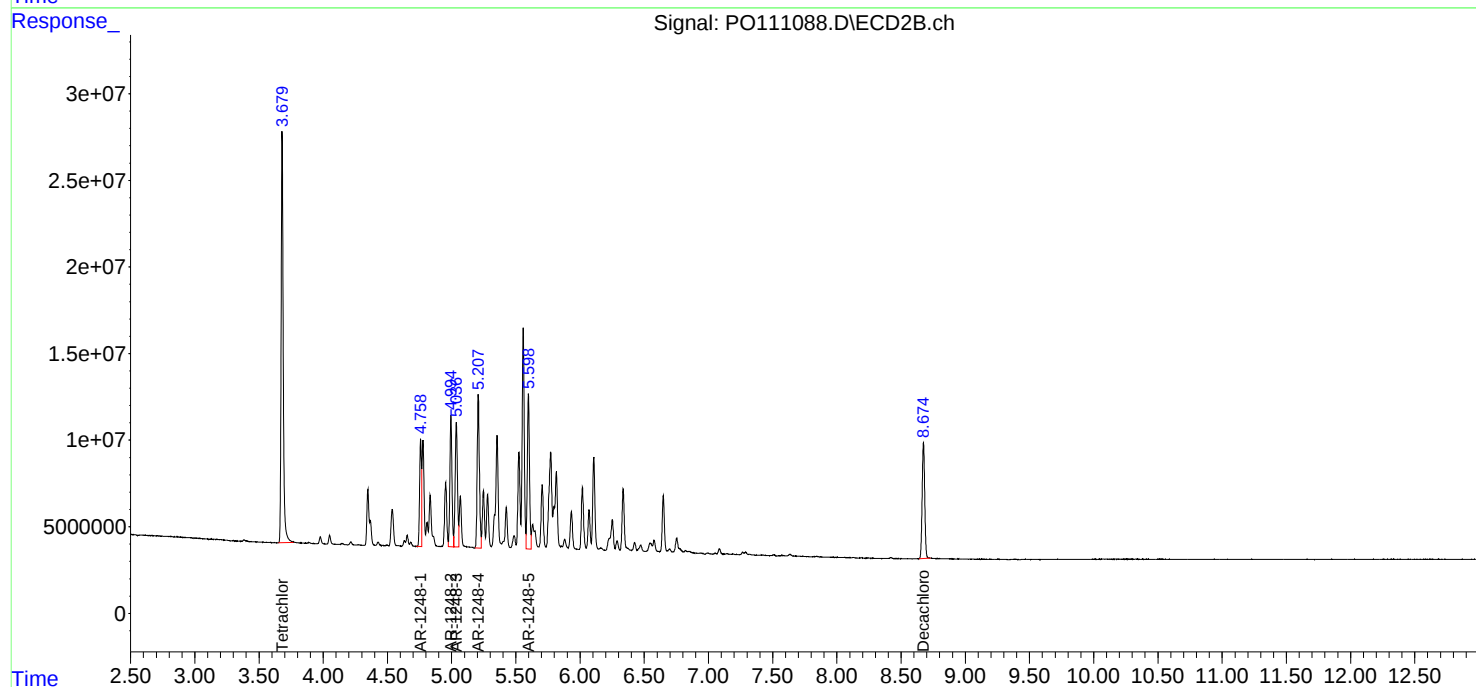
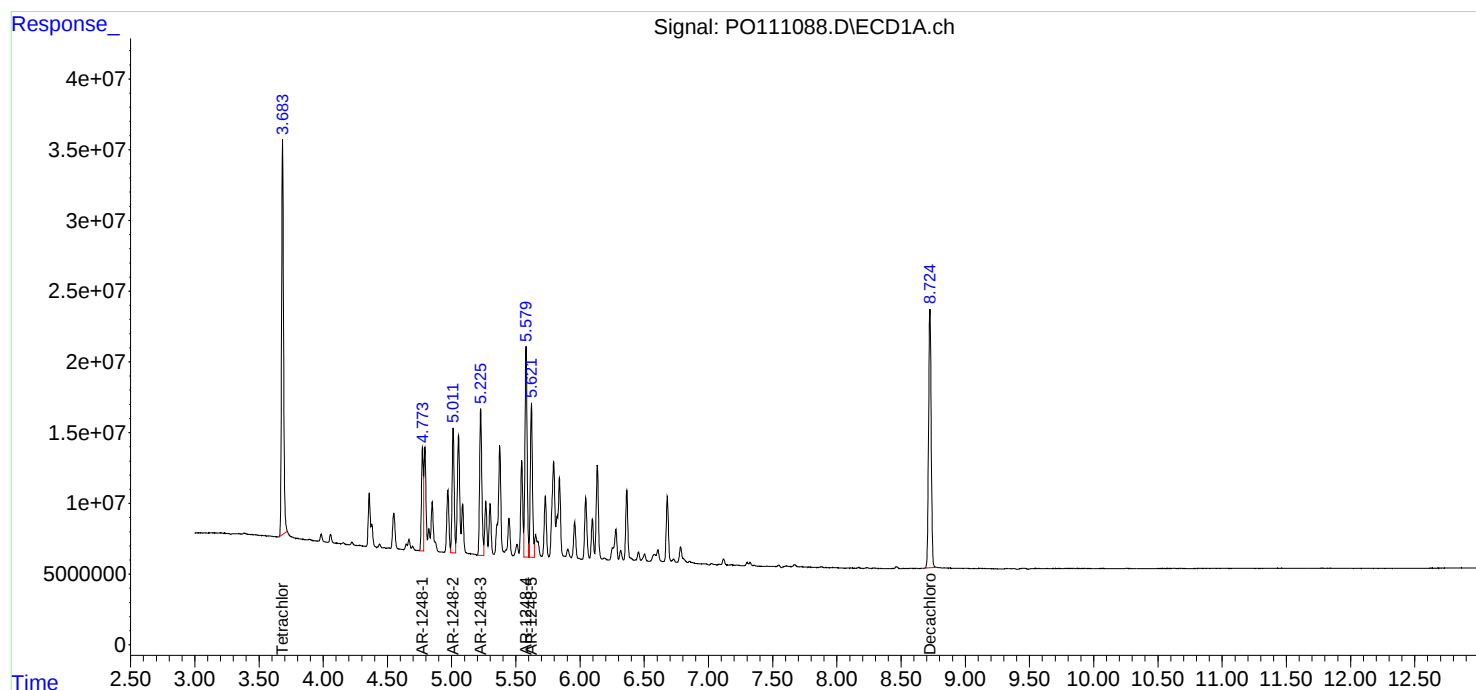
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111088.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 03:03
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:40:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111089.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 03:40
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO051525AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:41:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:36:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	308.9E6	272.7E6	52.510	50.016
2) SA Decachlor...	8.725	8.674	260.1E6	92401602	50.379	49.943
Target Compounds						
26) L6 AR-1254-1	5.581	5.558	183.2E6	154.4E6	482.546	476.507
27) L6 AR-1254-2	5.730	5.706	158.3E6	134.3E6	484.442	474.276
28) L6 AR-1254-3	6.135	6.107	251.9E6	206.7E6	478.753	479.126
29) L6 AR-1254-4	6.365	6.336	160.6E6	118.8E6	477.996	480.225
30) L6 AR-1254-5	6.784	6.753	228.7E6	165.0E6	482.108	477.039

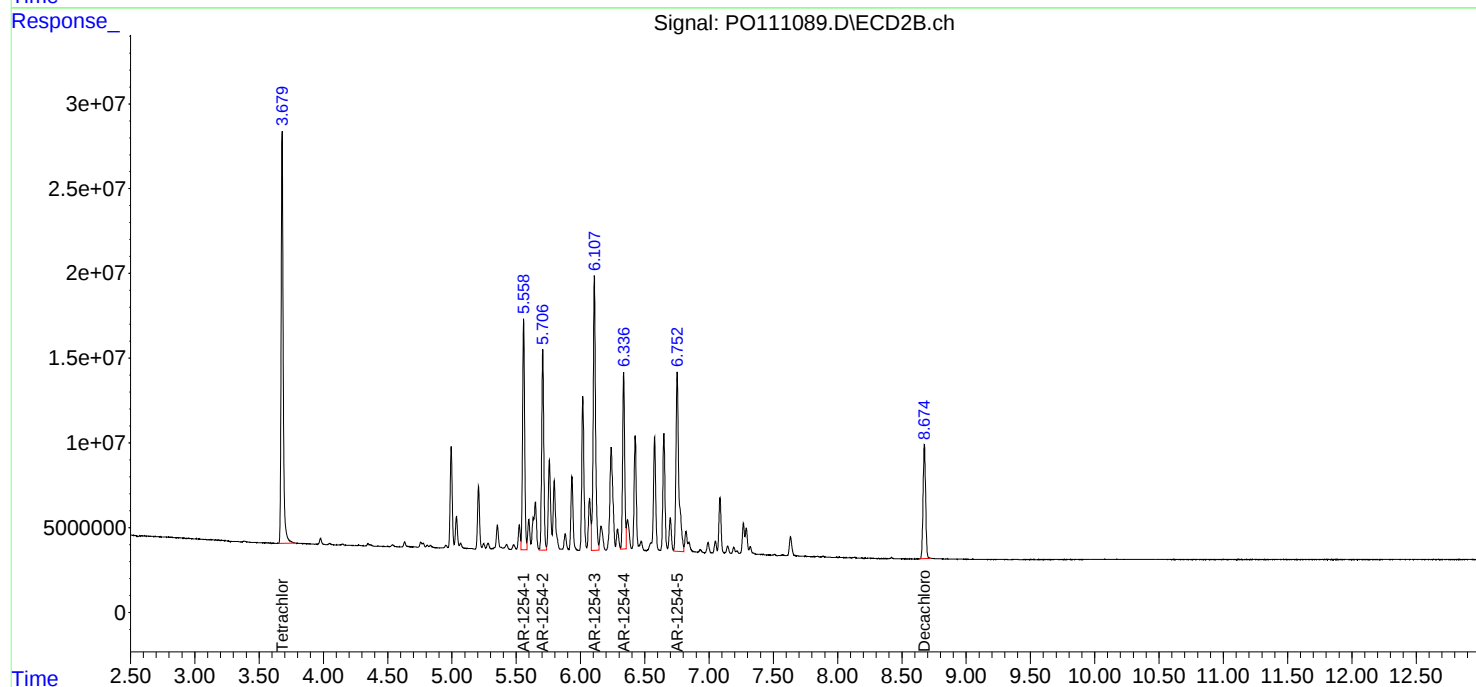
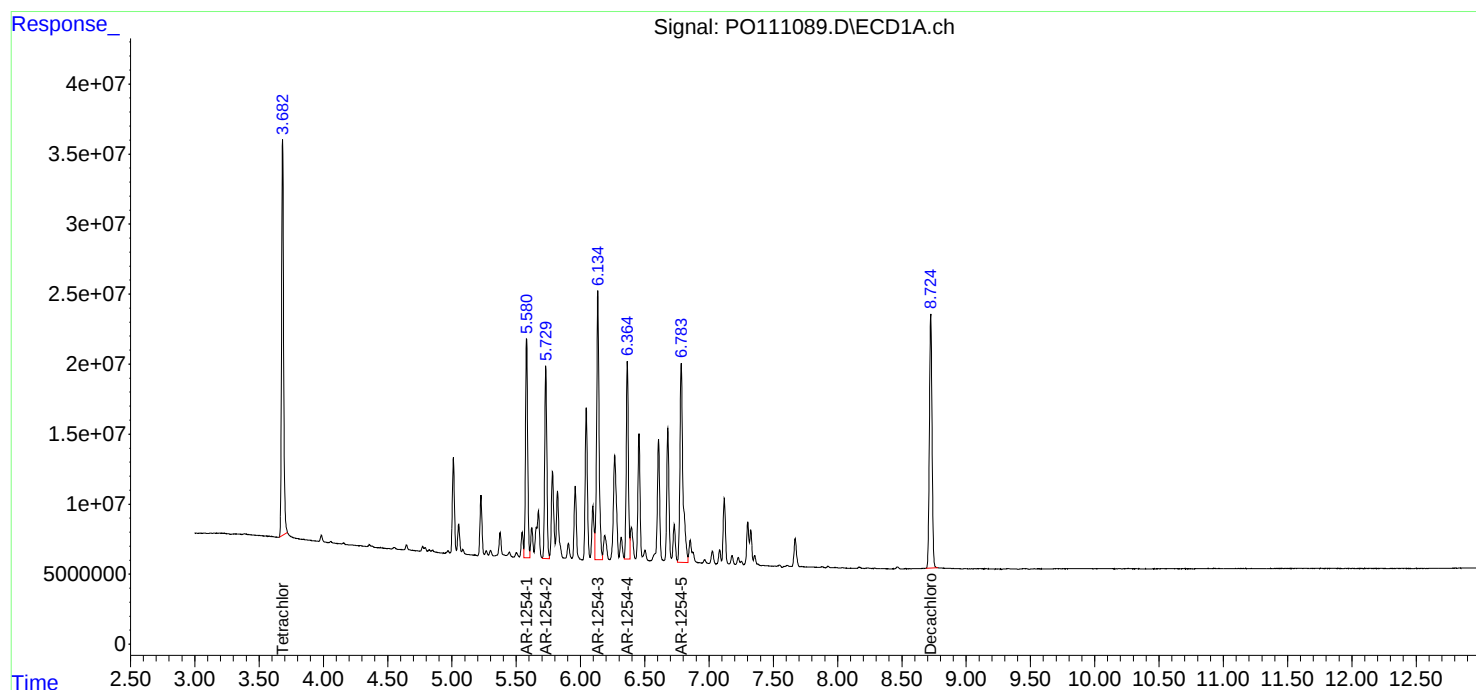
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 03:40
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:41:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0051525\
 Data File : P0111090.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 04:17
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO051525AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 07:05:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 07:04:44 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	316.0E6	278.9E6	49.967	49.915
2) SA Decachlor...	8.725	8.674	463.0E6	161.9E6	49.157	50.297
Target Compounds						
41) L9 AR-1268-1	7.610	7.573	483.9E6	268.5E6	499.094	506.477
42) L9 AR-1268-2	7.674	7.638	441.4E6	247.6E6	494.559	513.322
43) L9 AR-1268-3	7.881	7.844	371.8E6	178.9E6	489.927	513.498
44) L9 AR-1268-4	8.170	8.129	162.1E6	67162410	496.415	527.719
45) L9 AR-1268-5	8.466	8.421	1064.0E6	381.5E6	492.966	506.818

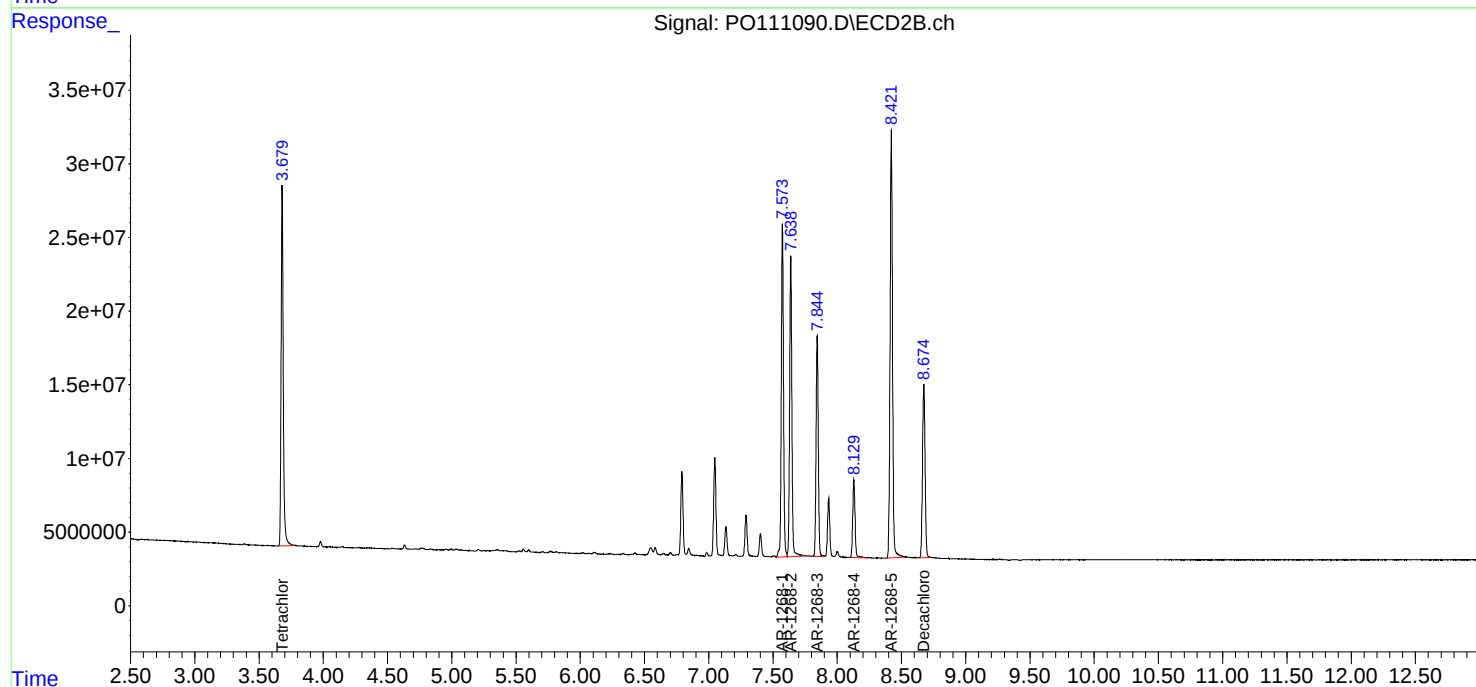
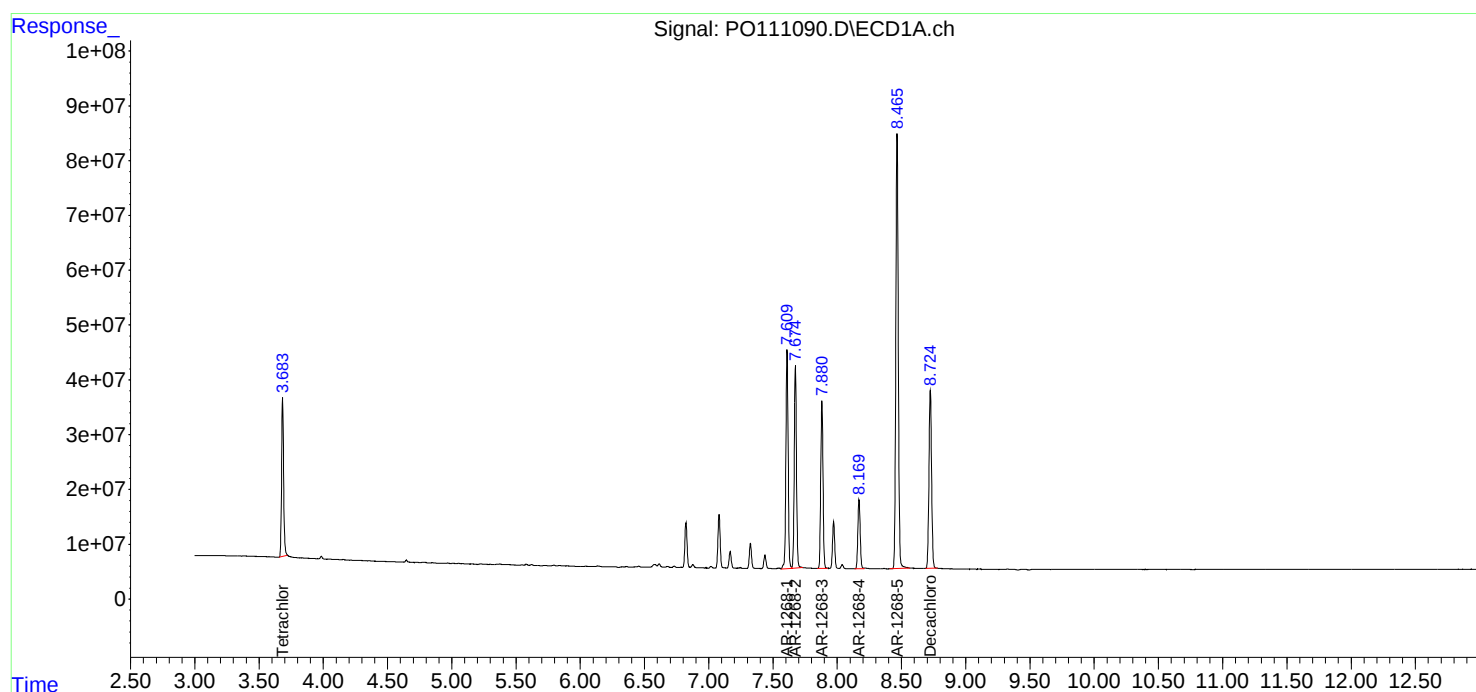
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 04:17
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO051525AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 07:05:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:04:44 2025
Response via : Initial Calibration
Integrator: ChemStation

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



RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>PORT06</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2177</u>	SAS No.:	<u>Q2177</u>	SDG NO.:	<u>Q2177</u>
Instrument ID:	<u>ECD_P</u>	Calibration Date(s):		<u>05/19/2025</u>	<u>05/19/2025</u>		
		Calibration Times:		<u>09:42</u>	<u>18:25</u>		

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

LAB FILE ID:	RT 1000 =	<u>PP072164.D</u>	RT 750 =	<u>PP072165.D</u>
	RT 500 =	PP072166.D	RT 250 =	PP072167.D
			RT 050 =	PP072168.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.22	10.22	10.22	10.22	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1268-1 (1)	8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Aroclor-1268-2 (2)	8.81	8.82	8.81	8.81	8.81	8.81	8.71	8.91
Aroclor-1268-3 (3)	9.04	9.05	9.04	9.04	9.05	9.04	8.94	9.14
Aroclor-1268-4 (4)	9.46	9.46	9.46	9.46	9.46	9.46	9.36	9.56
Aroclor-1268-5 (5)	9.88	9.88	9.88	9.88	9.88	9.88	9.78	9.98
Decachlorobiphenyl	10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene	4.50	4.51	4.50	4.50	4.50	4.50	4.40	4.60

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>PORT06</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2177</u>	SAS No.:	<u>Q2177</u>	SDG NO.:	<u>Q2177</u>
Instrument ID:	<u>ECD_P</u>	Calibration Date(s):		<u>05/19/2025</u>	<u>05/19/2025</u>		
		Calibration Times:		<u>09:42</u>	<u>18:25</u>		

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D
RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
Instrument ID: ECD_P
Calibration Date(s): 05/19/2025 05/19/2025
Calibration Times: 09:42 18:25

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

LAB FILE ID:		CF 1000 = <u>PP072164.D</u>		CF 750 = <u>PP072165.D</u>			
CF 500 = <u>PP072166.D</u>		CF 250 = <u>PP072167.D</u>		CF 050 = <u>PP072168.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	66878491	69828851	76010044	83211968	79488900	75083651
Aroclor-1016-2	(2)	99468528	104467549	110518222	118579572	101924480	106991670
Aroclor-1016-3	(3)	61412187	64234915	67714060	73550892	60912680	65564947
Aroclor-1016-4	(4)	50363803	53404009	55311866	58220708	49049560	53269989
Aroclor-1016-5	(5)	45437165	47941741	49914606	51189784	50062640	48909187
Aroclor-1260-1	(1)	85553757	90346417	93957158	98060904	100055640	93594775
Aroclor-1260-2	(2)	135650987	137755076	143609204	149400496	151032820	143489717
Aroclor-1260-3	(3)	109042220	112821207	117388622	121236852	108865120	113870804
Aroclor-1260-4	(4)	102101329	107107725	110940768	114591832	101771400	107302611
Aroclor-1260-5	(5)	228876095	233706888	240834266	249937120	229956720	236662218
Decachlorobiphenyl		1538266220	1617591187	1654764640	1712186920	1622812600	1629124313
Tetrachloro-m-xylene		1944699760	2026562000	2072807240	2135906680	1874026800	2010800496
Aroclor-1232-1	(1)	44075653	45896815	48002922	48247276	49319600	47108453
Aroclor-1232-2	(2)	21717379	22928696	23244388	23029808	25495660	23283186
Aroclor-1232-3	(3)	46772523	50148184	51844656	54382920	47167260	50063109
Aroclor-1232-4	(4)	23238504	24146713	24804390	26183196	27122440	25099049
Aroclor-1232-5	(5)	15752983	16470224	16442412	18109320	20822780	17519544
Decachlorobiphenyl		1545279190	1600827560	1672901480	1703701720	1499866000	1604515190
Tetrachloro-m-xylene		1886122400	2000973440	2054641840	2122290120	1923172600	1997440080
Aroclor-1242-1	(1)	56211553	57323072	62083360	65843868	71524840	62597339
Aroclor-1242-2	(2)	82973080	85971496	91883334	97584776	75486540	86779845
Aroclor-1242-3	(3)	51559127	52121972	55496172	57080948	59071260	55065896
Aroclor-1242-4	(4)	41207603	43030657	45948576	46781836	44776460	44349026
Aroclor-1242-5	(5)	47977894	48696228	50879554	52435600	54934800	50984815
Decachlorobiphenyl		1526214180	1567133680	1645977640	1728993240	1487418400	1591147428
Tetrachloro-m-xylene		1827808490	1928927520	1991275140	2114690400	1713029600	1915146230
Aroclor-1248-1	(1)	44038397	47472432	47912646	51445364	51108500	48395468
Aroclor-1248-2	(2)	56984732	59400859	61165396	63476680	62172680	60640069
Aroclor-1248-3	(3)	64677132	65813748	68767932	70638012	61003720	66180109
Aroclor-1248-4	(4)	81606824	85304428	88412180	92196600	89440360	87392078
Aroclor-1248-5	(5)	77587697	81003728	83211240	86851844	86474060	83025714
Decachlorobiphenyl		1573368300	1599269360	1663196880	1714969280	1478724200	1605905604
Tetrachloro-m-xylene		1880240370	1909383627	1990709860	2112434560	1856348600	1949823403
Aroclor-1254-1	(1)	79792123	82783284	86922424	91684028	88834440	86003260

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	120142096	124850076	131105324	134547092	142741880	130677294	7
Aroclor-1254-3	(3)	124307316	127832729	133782854	136984312	137108200	132003082	4
Aroclor-1254-4	(4)	116304358	118550812	124418220	136069712	157210520	130510724	13
Aroclor-1254-5	(5)	107938622	112056604	116315218	117138120	102784720	111246657	5
Decachlorobiphenyl		1576500070	1614032093	1688035380	1708021160	1475084400	1612334621	6
Tetrachloro-m-xylene		1869066560	1948875347	2032435420	2069900400	1617536400	1907562825	9
Aroclor-1268-1	(1)	315692357	322966827	337626016	351356792	338115380	333151474	4
Aroclor-1268-2	(2)	265886956	272371317	285215132	296487980	279979560	279988189	4
Aroclor-1268-3	(3)	227961300	235081659	247250176	255747588	241284760	241465097	4
Aroclor-1268-4	(4)	101392203	104765767	107968348	108360296	102254740	104948271	3
Aroclor-1268-5	(5)	651541042	667177075	686960040	706355632	672967440	677000246	3
Decachlorobiphenyl		2733685450	2815599213	2937966700	3038738360	2636754200	2832548785	6
Tetrachloro-m-xylene		1849618000	1900065360	1995699220	2054630680	1744336400	1908869932	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025
Calibration Times: 09:42 18:25

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

LAB FILE ID:		CF 1000 = <u>PP072164.D</u>		CF 750 = <u>PP072165.D</u>			
CF 500 = <u>PP072166.D</u>		CF 250 = <u>PP072167.D</u>		CF 050 = <u>PP072168.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	54525663	58849481	59632288	64515432	69624760	61429525
Aroclor-1016-2	(2)	79772717	86154421	85288758	92453296	95277560	87789350
Aroclor-1016-3	(3)	42641318	46352395	47330430	50989192	50959120	47654491
Aroclor-1016-4	(4)	33654246	36754908	37811202	41521120	40485160	38045327
Aroclor-1016-5	(5)	43791070	47744144	49105368	53701332	54780200	49824423
Aroclor-1260-1	(1)	72244144	75307759	80373306	84844232	85999160	79753720
Aroclor-1260-2	(2)	87664004	90365408	98490088	104924488	125666920	101422182
Aroclor-1260-3	(3)	79909091	81326363	88937536	92494016	91844780	86902357
Aroclor-1260-4	(4)	64349922	67685321	72647720	77711116	78060640	72090944
Aroclor-1260-5	(5)	161315528	166937577	177635780	187517596	174713540	173624004
Decachlorobiphenyl		920208980	1044964960	1093136160	1163579000	1071118200	1058601460
Tetrachloro-m-xylene		1547649930	1584243107	1593704220	1639561360	1626633000	1598358323
Aroclor-1232-1	(1)	37616932	40592059	45290150	47667724	45555860	43344545
Aroclor-1232-2	(2)	39358353	42024527	44532022	47402620	47585980	44180700
Aroclor-1232-3	(3)	20796080	22347549	23808552	25172964	24790340	23383097
Aroclor-1232-4	(4)	17897124	19415229	20680720	21689292	23918420	20720157
Aroclor-1232-5	(5)	19472370	21237964	22534450	24219412	28307940	23154427
Decachlorobiphenyl		991061470	1069964400	1120483020	1147415120	1151969600	1096178722
Tetrachloro-m-xylene		1503650850	1560846907	1685979140	1671096560	1578260800	1599966851
Aroclor-1242-1	(1)	46123670	49902476	52843000	57237560	54435320	52108405
Aroclor-1242-2	(2)	66003789	71039361	75471286	80940564	74026140	73496228
Aroclor-1242-3	(3)	34394227	38777200	41064482	44714476	36677280	39125533
Aroclor-1242-4	(4)	32146418	36854119	38826456	43192656	36894340	37582798
Aroclor-1242-5	(5)	41776015	46613400	48754570	54226988	49917340	48257663
Decachlorobiphenyl		967171680	1074707920	1046164720	1163123680	1078294400	1065892480
Tetrachloro-m-xylene		1545621850	1670448987	1600956100	1623877080	1377345600	1563649923
Aroclor-1248-1	(1)	38942472	38080832	42980810	46736940	49867020	43321615
Aroclor-1248-2	(2)	50685144	49386624	55814958	61079164	65420760	56477330
Aroclor-1248-3	(3)	53612101	51937139	58301874	64007240	67677000	59107071
Aroclor-1248-4	(4)	63542852	61081784	68799052	75621092	79219440	69652844
Aroclor-1248-5	(5)	63751699	62374025	69241268	74501112	78829180	69739457
Decachlorobiphenyl		1077930460	1066864453	1129616840	1218519160	1187538600	1136093903
Tetrachloro-m-xylene		1585370290	1544149787	1686359520	1807980440	1717995000	1668371007
Aroclor-1254-1	(1)	88394708	92134828	103452628	109580892	106208260	99954263

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	75158218	78808232	90151838	93786952	93629340	86306916	10
Aroclor-1254-3	(3)	118588697	123091027	137573488	140955076	122895140	128620686	8
Aroclor-1254-4	(4)	76184182	79817879	90049888	92363636	88066400	85296397	8
Aroclor-1254-5	(5)	103321222	111630831	120507404	120857332	110441220	113351602	7
Decachlorobiphenyl		1048618240	1081081133	1110321040	1211638680	1138223000	1117976419	6
Tetrachloro-m-xylene		1515554540	1677026120	1758978840	1703246040	1394379800	1609837068	9
Aroclor-1268-1	(1)	212587803	222334836	235771254	243664628	256729280	234217560	7
Aroclor-1268-2	(2)	188526781	196925783	208389682	217661736	222594360	206819668	7
Aroclor-1268-3	(3)	155195263	161035703	174669460	176674312	179279020	169370752	6
Aroclor-1268-4	(4)	67370219	71019111	74855072	76562592	74977520	72956903	5
Aroclor-1268-5	(5)	431064337	442819956	457037218	461770552	492119380	456962289	5
Decachlorobiphenyl		1753973260	1820277787	1902401960	1966032280	2130248600	1914586777	8
Tetrachloro-m-xylene		1581658390	1604094987	1649636500	1662342440	1498230000	1599192463	4



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_P Date(s) Analyzed: 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.70	4.60	4.80	25133000
		2	4.79	4.69	4.89	17981400
		3	4.86	4.76	4.96	58509600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.09	7.99	8.19	133245000
		2	8.41	8.31	8.51	272386000
		3	8.72	8.62	8.82	185530000
		4	8.81	8.71	8.91	134281000
		5	9.46	9.36	9.56	92460600



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_P Date(s) Analyzed: 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.01	3.91	4.11	23124400
		2	4.09	3.99	4.19	17698400
		3	4.17	4.07	4.27	52270400
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.92	6.82	7.02	113028000
		2	7.18	7.08	7.28	97127000
		3	7.70	7.60	7.80	81531200
		4	7.77	7.67	7.87	140624000
		5	8.27	8.17	8.37	65083800

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072164.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 09:42
 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: May 19 10:58:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 10:54:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.498	3.791	194.5E6	154.8E6	96.811	98.534
2) SA Decachlor...	10.214	8.822	153.8E6	92020898	96.351	91.411
Target Compounds						
3) L1 AR-1016-1	5.653	4.877	66878491	54525663	936.093	955.267
4) L1 AR-1016-2	5.675	4.895	99468528	79772717	947.379	966.582
5) L1 AR-1016-3	5.737	5.072	61412187	42641318	951.196	947.882
6) L1 AR-1016-4	5.835	5.114	50363803	33654246	953.177	941.833
7) L1 AR-1016-5	6.128	5.329	45437165	43791070	953.043	942.793
31) L7 AR-1260-1	7.249	6.364	85553757	72244144	953.187	946.735
32) L7 AR-1260-2	7.503	6.553	135.7E6	87664004	971.503	941.843
33) L7 AR-1260-3	7.861	6.705	109.0E6	79909091	963.139	946.529
34) L7 AR-1260-4	8.085	7.177	102.1E6	64349922	958.508	939.431
35) L7 AR-1260-5	8.404	7.419	228.9E6	161.3E6	974.541	951.851

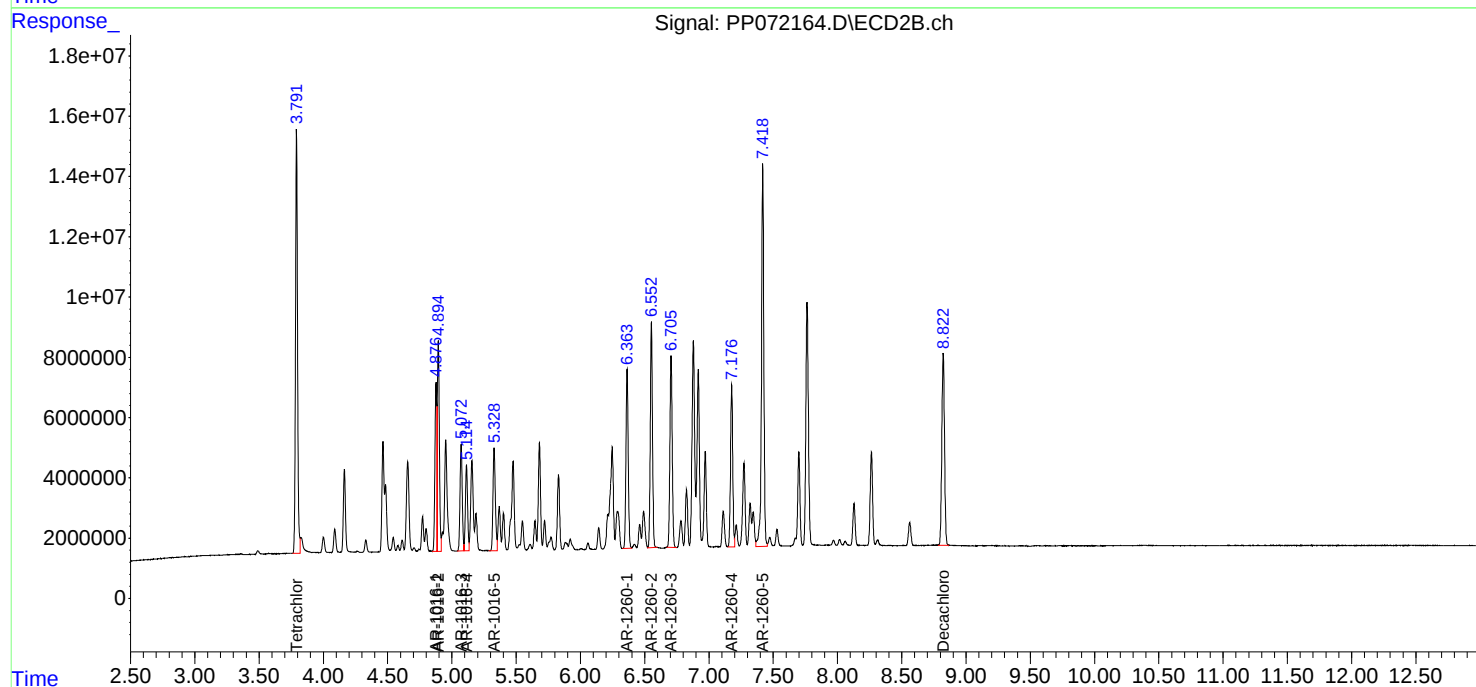
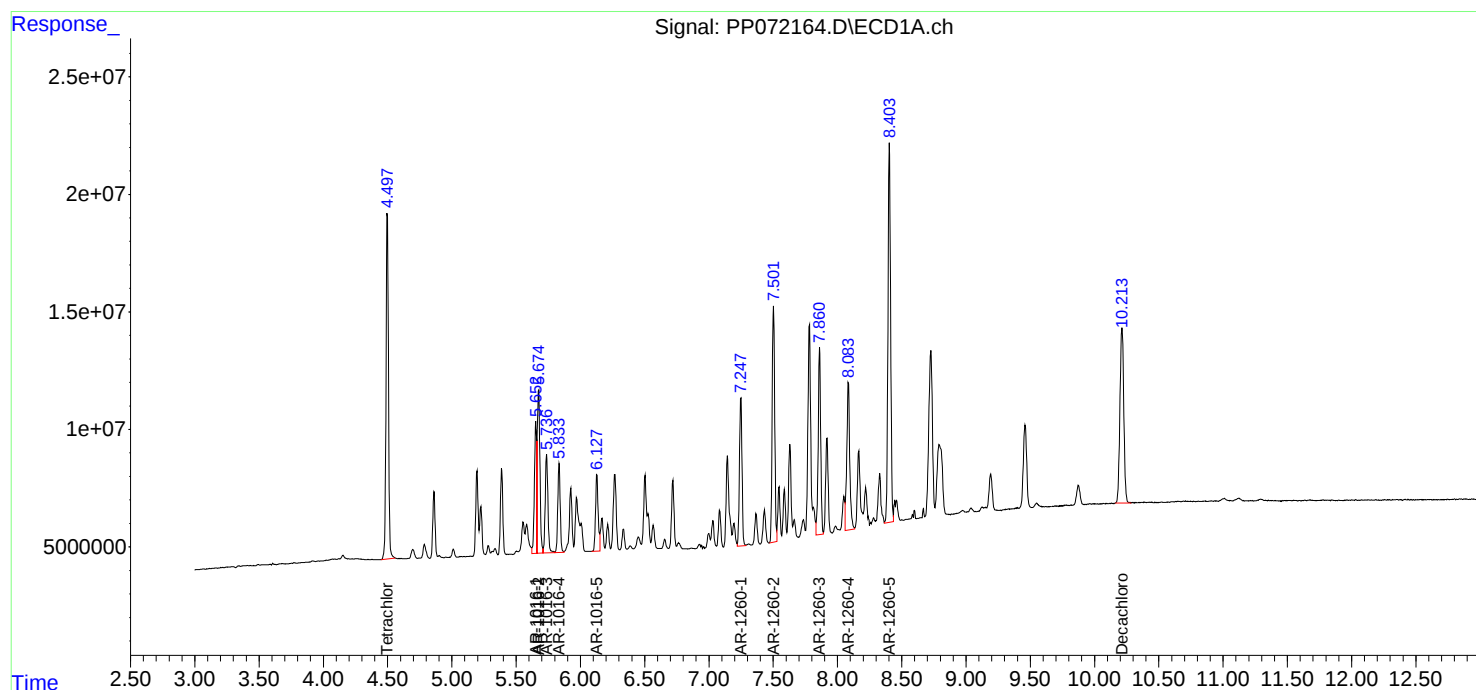
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072164.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:42
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: May 19 10:58:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072165.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 09:59
 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: May 19 11:01:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 10:54:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.496	3.789	152.0E6	118.8E6	75.442	75.431
2) SA Decachlor...	10.213	8.822	121.3E6	78372372	75.657	76.878
Target Compounds						
3) L1 AR-1016-1	5.652	4.876	52371638	44137111	738.609	765.351
4) L1 AR-1016-2	5.673	4.894	78350662	64615816	747.492	771.637
5) L1 AR-1016-3	5.736	5.071	48176186	34764296	747.454	765.036
6) L1 AR-1016-4	5.833	5.114	40053007	27566181	755.339	764.168
7) L1 AR-1016-5	6.127	5.328	35956306	35808108	752.783	763.822
31) L7 AR-1260-1	7.247	6.363	67759813	56480819	753.285	743.413
32) L7 AR-1260-2	7.500	6.552	103.3E6	67774056	743.256	735.291
33) L7 AR-1260-3	7.860	6.705	84615905	60994772	748.257	731.431
34) L7 AR-1260-4	8.084	7.176	80330794	50763991	752.749	744.038
35) L7 AR-1260-5	8.404	7.418	175.3E6	125.2E6	747.551	742.474

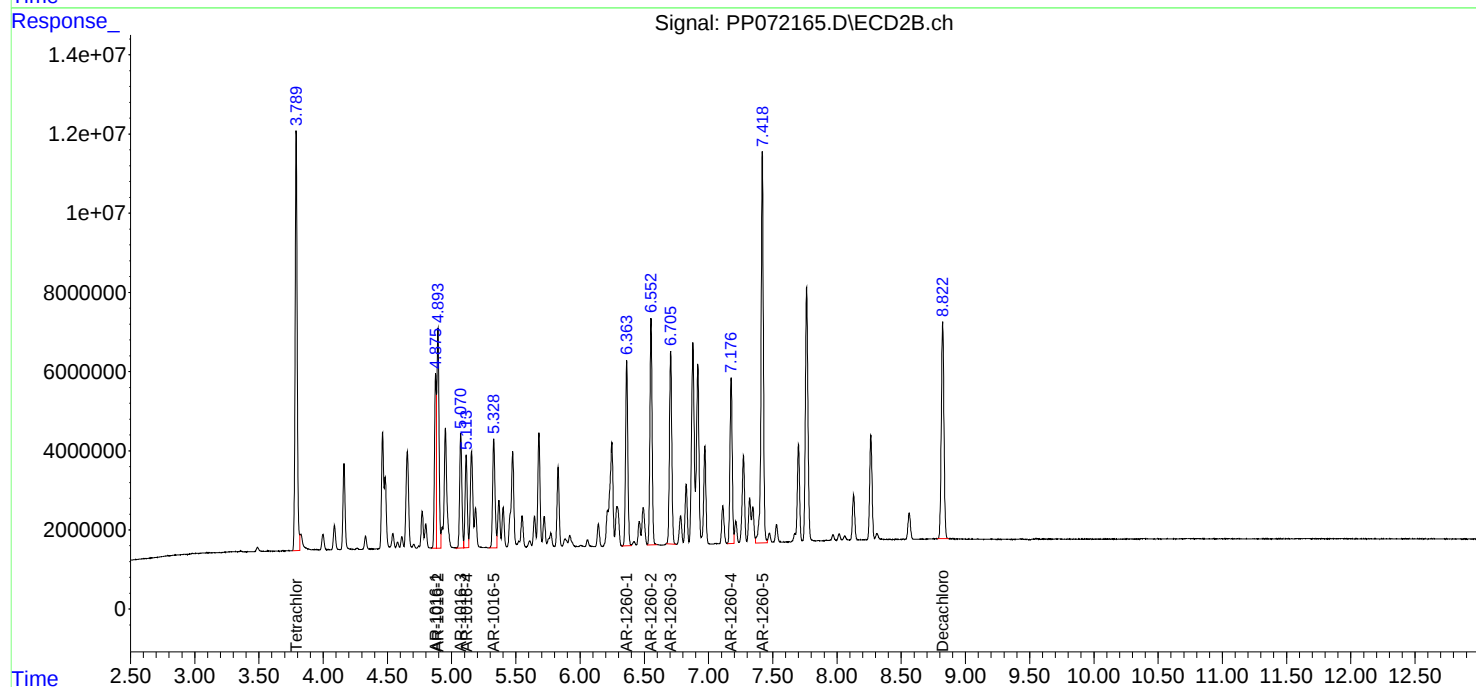
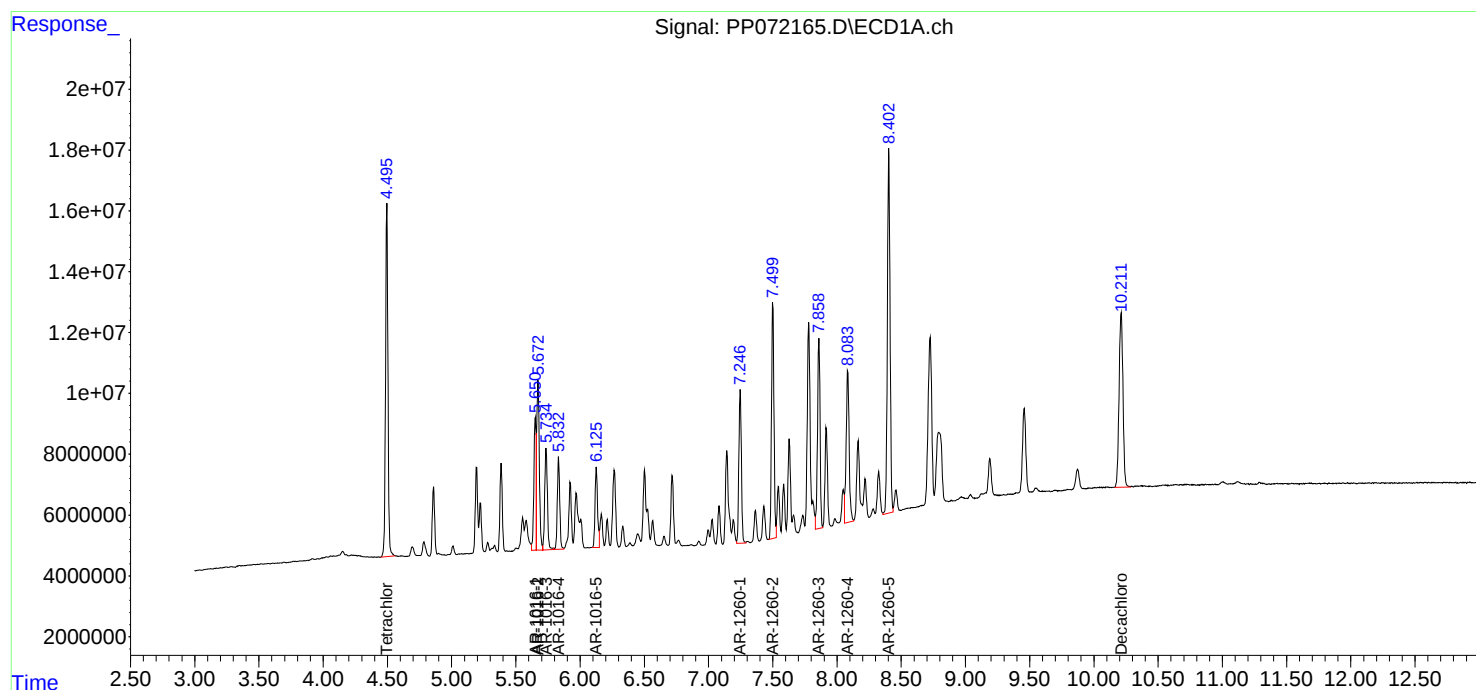
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:59
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: May 19 11:01:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072166.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 10:15
 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: May 19 10:55:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 10:54:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.496	3.791	103.6E6	79685211	50.000	50.000
2) SA Decachlor...	10.213	8.823	82738232	54656808	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.652	4.877	38005022	29816144	500.000	500.000
4) L1 AR-1016-2	5.674	4.895	55259111	42644379	500.000	500.000
5) L1 AR-1016-3	5.736	5.073	33857030	23665215	500.000	500.000
6) L1 AR-1016-4	5.834	5.115	27655933	18905601	500.000	500.000
7) L1 AR-1016-5	6.127	5.329	24957303	24552684	500.000	500.000
31) L7 AR-1260-1	7.247	6.364	46978579	40186653	500.000	500.000
32) L7 AR-1260-2	7.501	6.553	71804602	49245044	500.000	500.000
33) L7 AR-1260-3	7.860	6.706	58694311	44468768	500.000	500.000
34) L7 AR-1260-4	8.085	7.177	55470384	36323860	500.000	500.000
35) L7 AR-1260-5	8.403	7.419	120.4E6	88817890	500.000	500.000

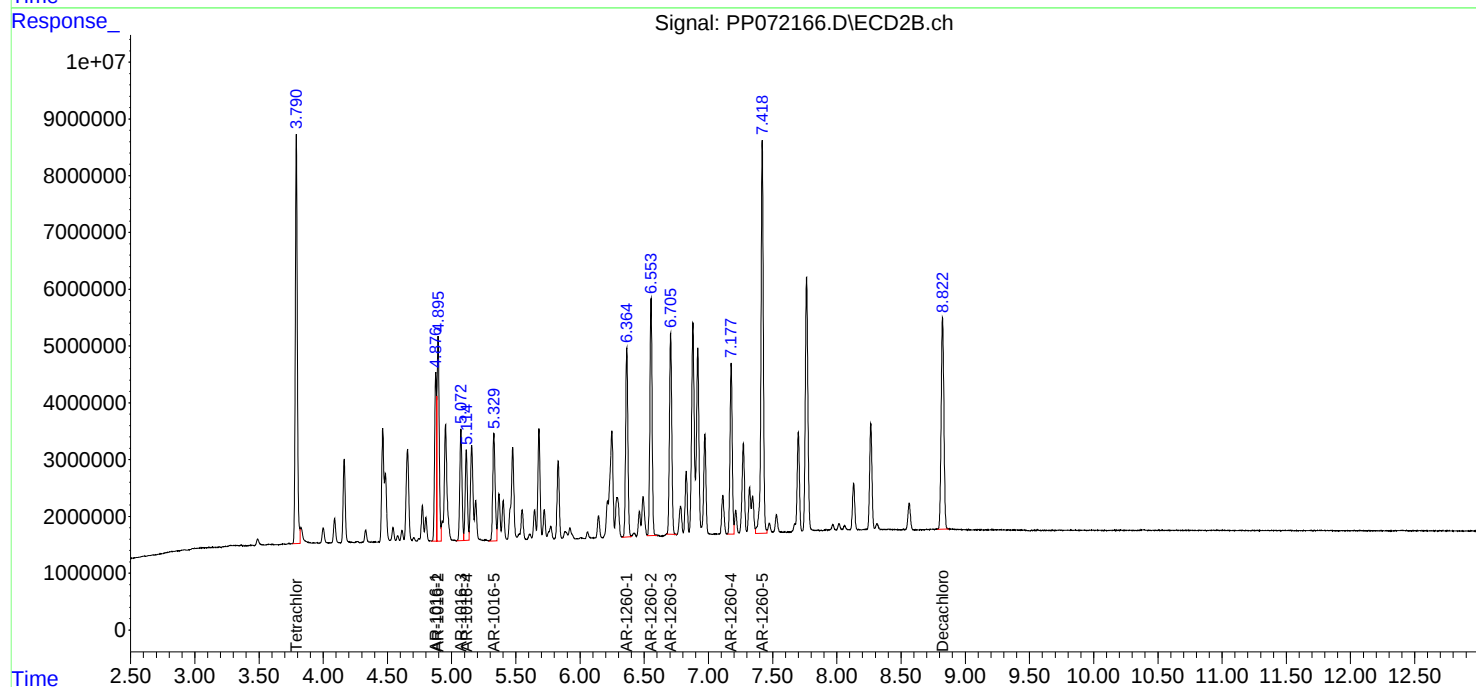
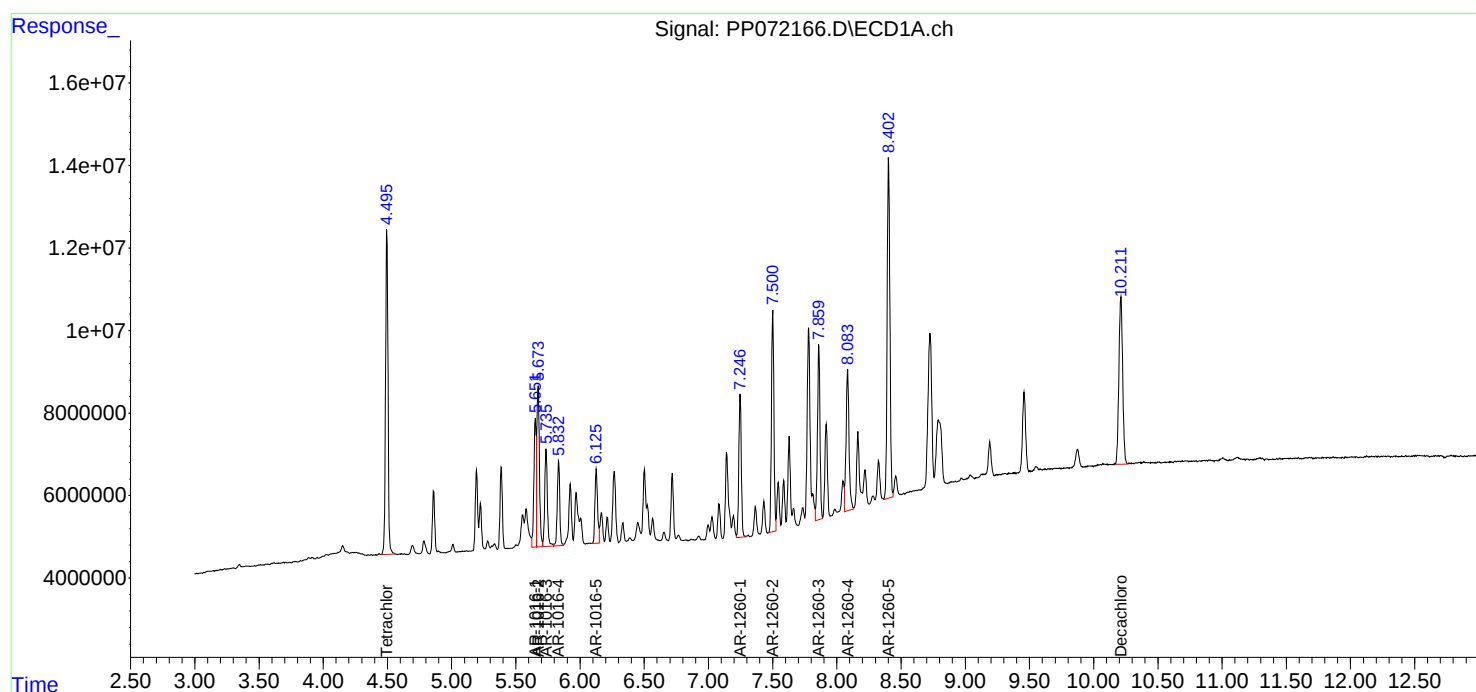
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:15
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: May 19 10:55:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072167.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 10:32
 Operator : YP\AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 11:04:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 10:54:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.500	3.792	53397667	40989034	26.111	25.758
2) SA Decachlor...	10.213	8.823	42804673	29089475	26.249	27.561
Target Compounds						
3) L1 AR-1016-1	5.655	4.878	20802992	16128858	281.189	271.618
4) L1 AR-1016-2	5.676	4.896	29644893	23113324	273.834	269.018
5) L1 AR-1016-3	5.739	5.073	18387723	12747298	275.562	272.213
6) L1 AR-1016-4	5.837	5.115	14555177	10380280	267.927	277.285
7) L1 AR-1016-5	6.130	5.330	12797446	13425333	263.209	276.324
31) L7 AR-1260-1	7.248	6.364	24515226	21211058	266.529	271.268
32) L7 AR-1260-2	7.504	6.553	37350124	26231122	263.765	275.072
33) L7 AR-1260-3	7.862	6.705	30309213	23123504	263.279	269.924
34) L7 AR-1260-4	8.086	7.177	28647958	19427779	263.586	275.187
35) L7 AR-1260-5	8.406	7.418	62484280	46879399	262.166	270.430

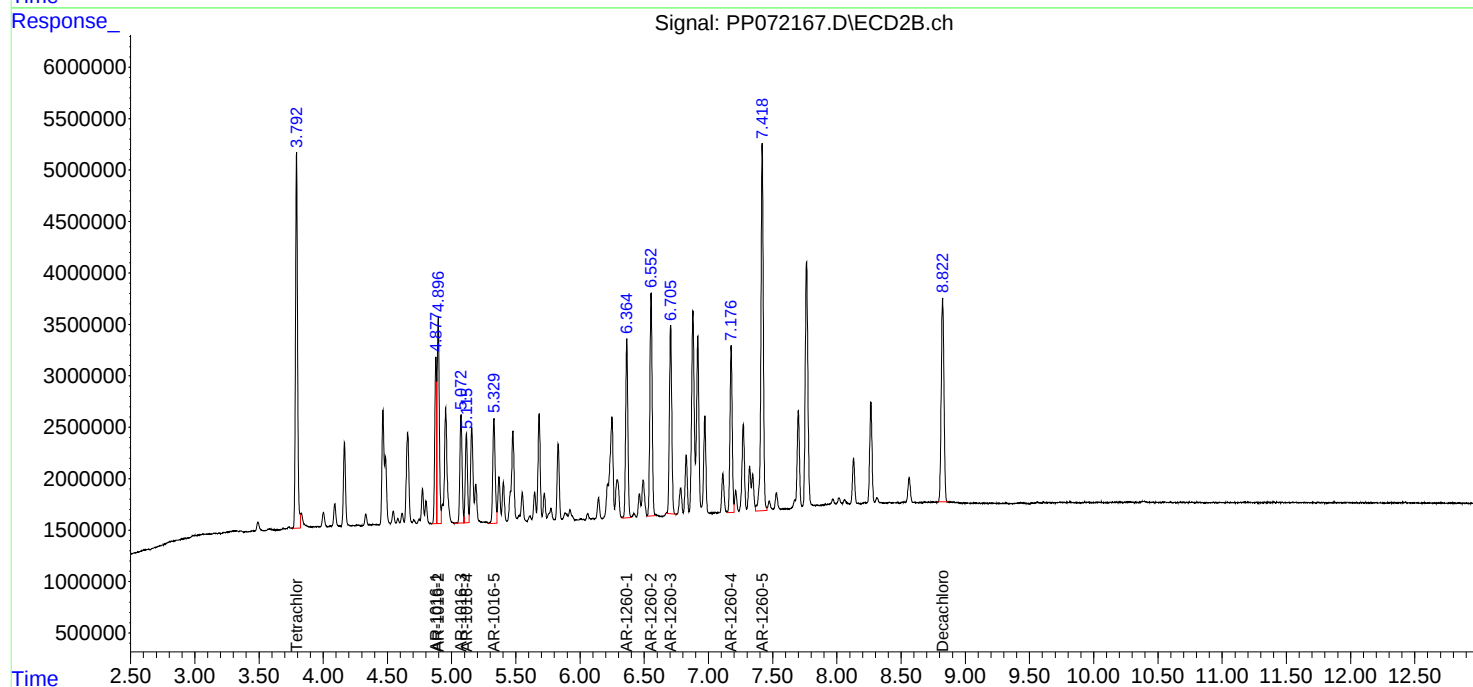
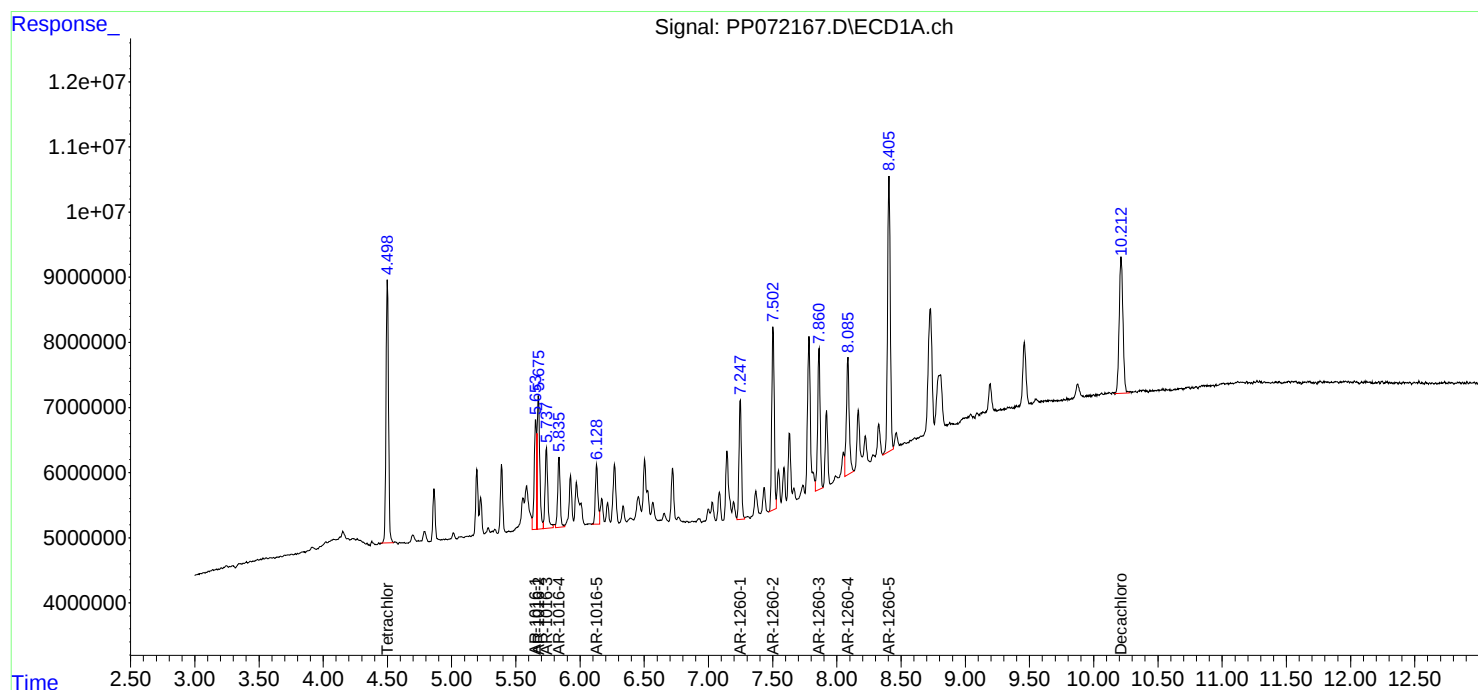
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:32
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072168.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 10:48
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/20/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 11:09:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 10:54:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.498	3.793	9370134	8133165	4.660	5.088
2) SA Decachlor...	10.212	8.821	8114063	5355591	4.981	5.059
Target Compounds						
3) L1 AR-1016-1	5.650	4.878	3974445	3481238	53.538m	56.670
4) L1 AR-1016-2	5.672	4.896	5096224	4763878	47.816m	54.265
5) L1 AR-1016-3	5.734	5.073	3045634	2547956	47.236m	53.467
6) L1 AR-1016-4	5.832	5.115	2452478	2024258	45.948m	53.206
7) L1 AR-1016-5	6.127	5.330	2503132	2739010	51.179	54.973
31) L7 AR-1260-1	7.247	6.364	5002782	4299958	53.452	53.915
32) L7 AR-1260-2	7.500	6.553	7551641	6283346	52.628	61.952
33) L7 AR-1260-3	7.859	6.705	5443256	4592239	47.802	52.844
34) L7 AR-1260-4	8.083	7.176	5088570	3903032	47.423	54.140
35) L7 AR-1260-5	8.403	7.418	11497836	8735677	48.583	50.314

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:48
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

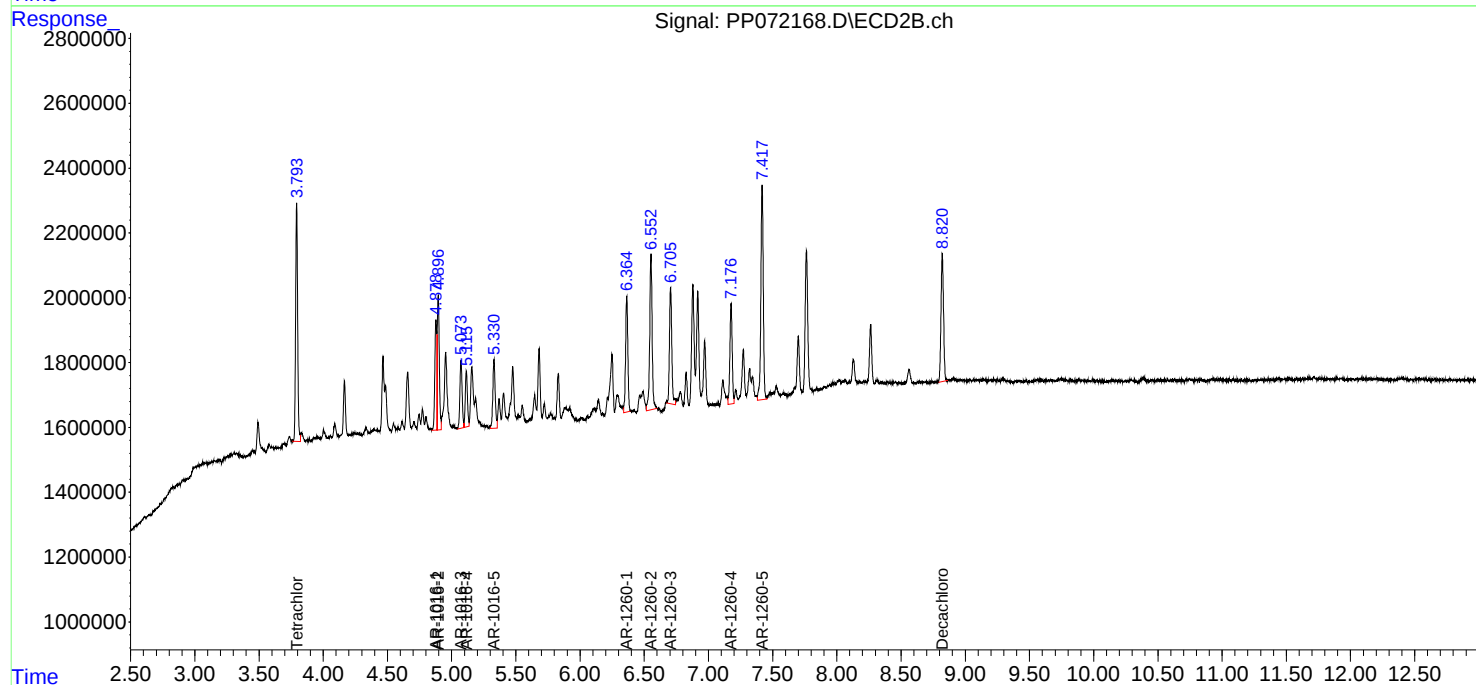
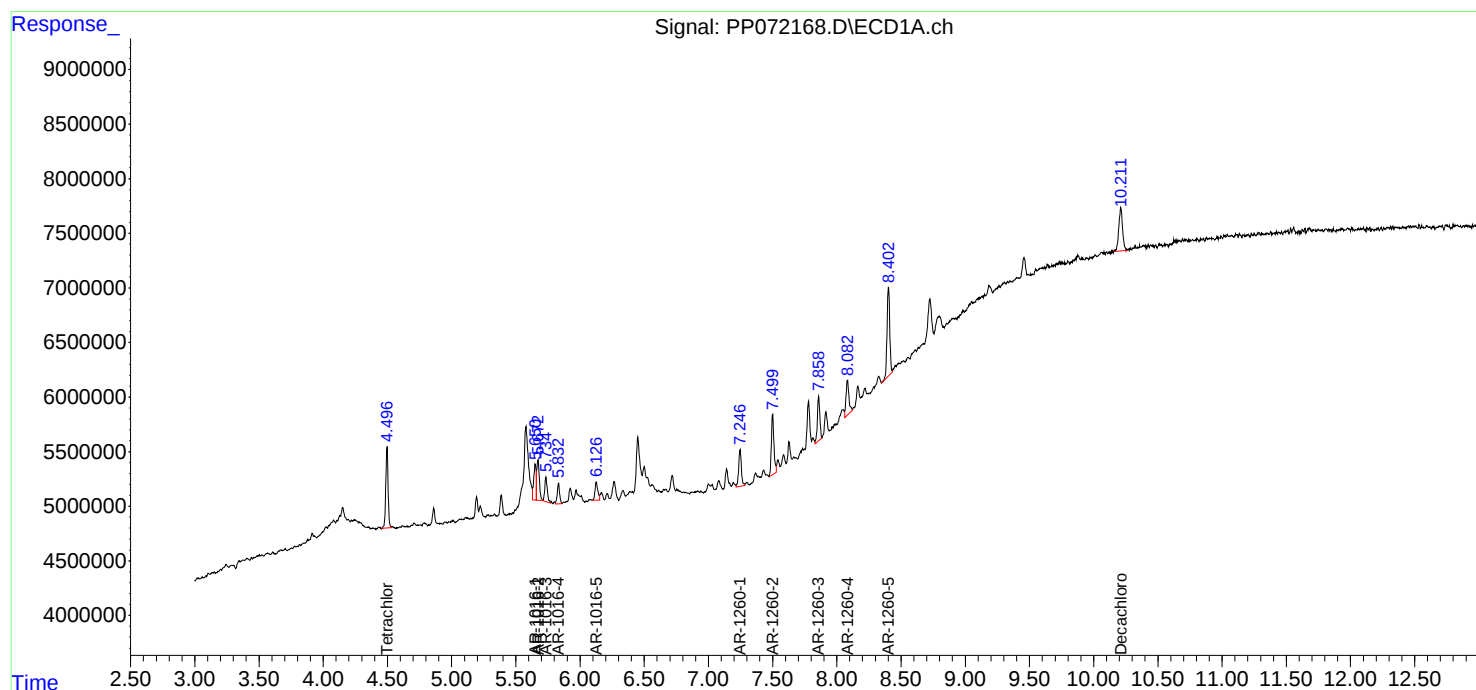
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 11:09:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 10:54:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072169.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:05
 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: May 19 11:34:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 11:34:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.501	3.794	100.3E6	78966679	50.000	50.000
2) SA Decachlor...	10.214	8.824	80876112	53101134	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.703	4.005	12566489	11562215	500.000	500.000
9) L2 AR-1221-2	4.788	4.091	8990719	8849205	500.000	500.000
10) L2 AR-1221-3	4.864	4.167	29254822	26135247	500.000	500.000

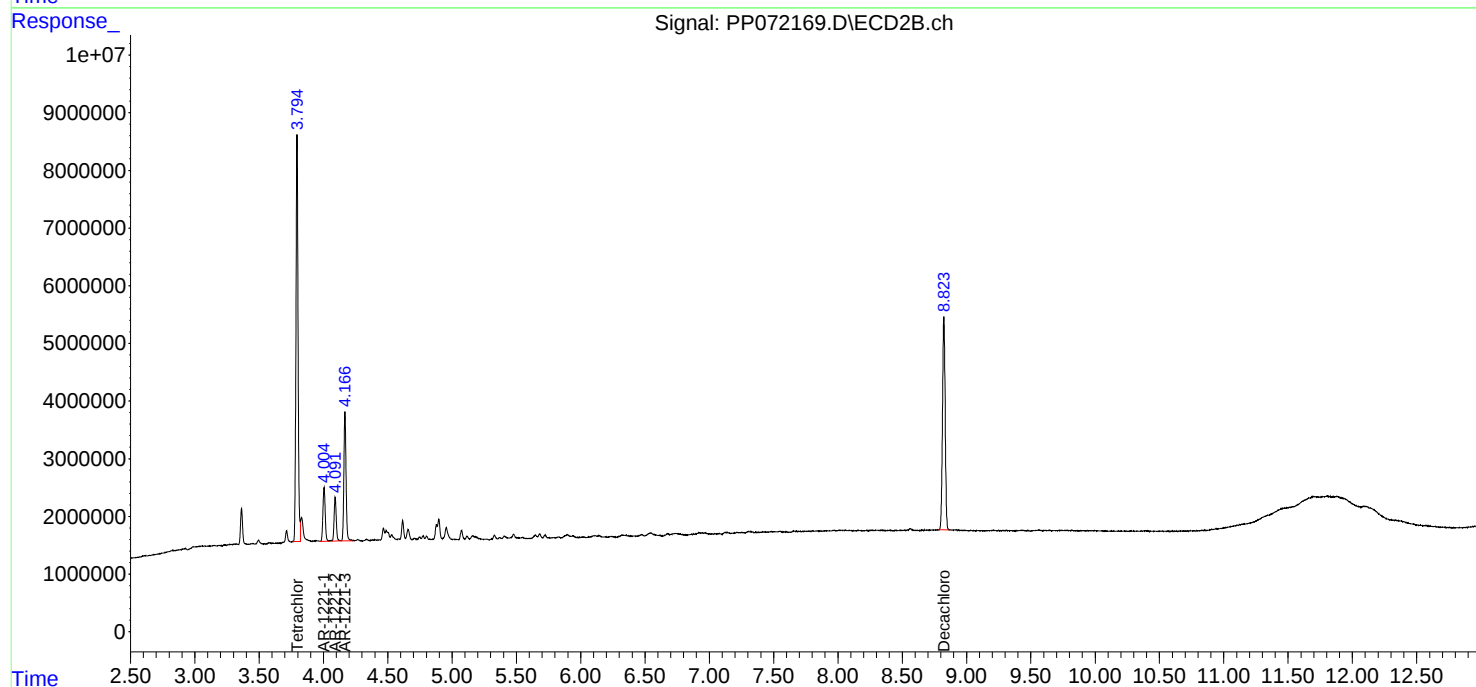
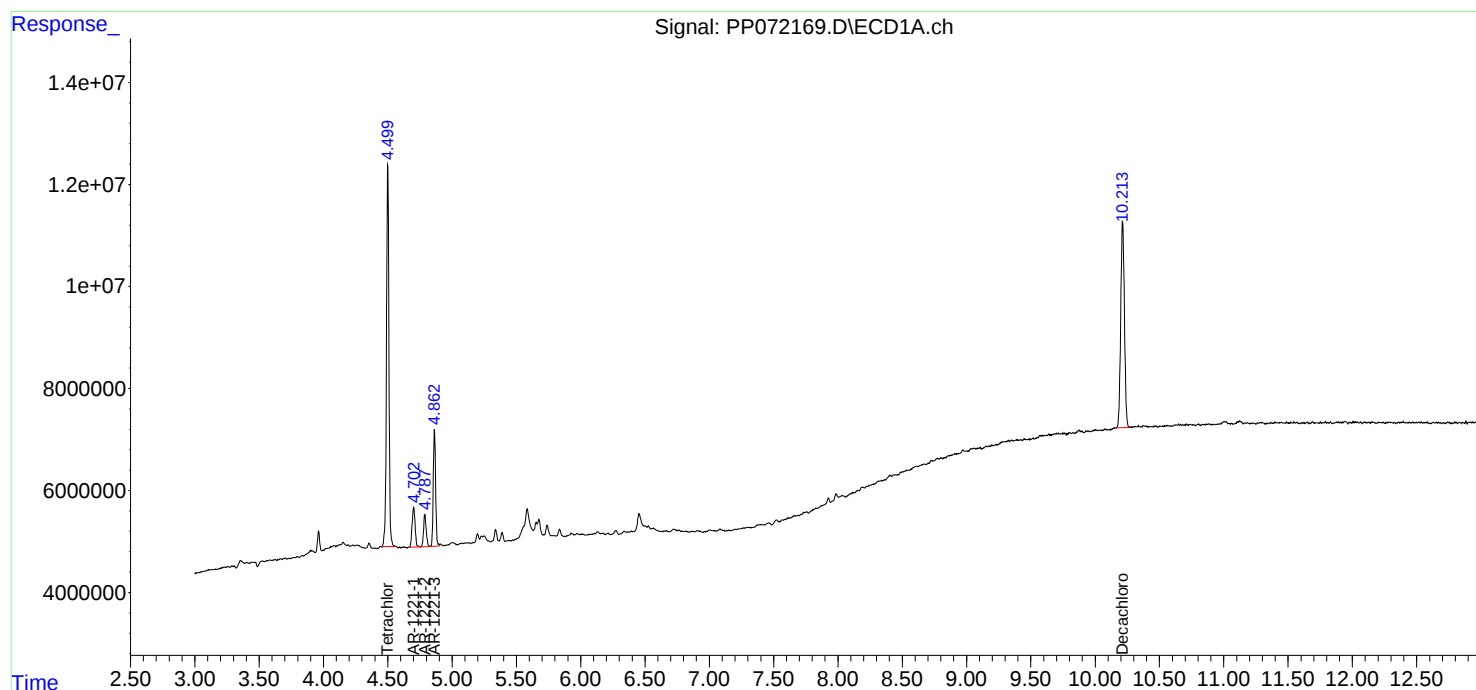
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072169.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:05
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: May 19 11:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 11:34:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072170.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:21
 Operator : YP\AJ
 Sample : AR1232ICC1000
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 12:10:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 12:05:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.500	3.795	188.6E6	150.4E6	95.724	94.284
2) SA Decachlor...	10.213	8.823	154.5E6	99106147	96.034	93.871
Target Compounds						
11) L3 AR-1232-1	4.863	4.168	44075653	37616932	957.349	907.448
12) L3 AR-1232-2	5.389	4.898	21717379	39358353	966.038	938.328
13) L3 AR-1232-3	5.675	5.074	46772523	20796080	948.567	932.463
14) L3 AR-1232-4	5.835	5.159	23238504	17897124	967.407	927.845
15) L3 AR-1232-5	5.925	5.331	15752983	19472370	978.586	927.105

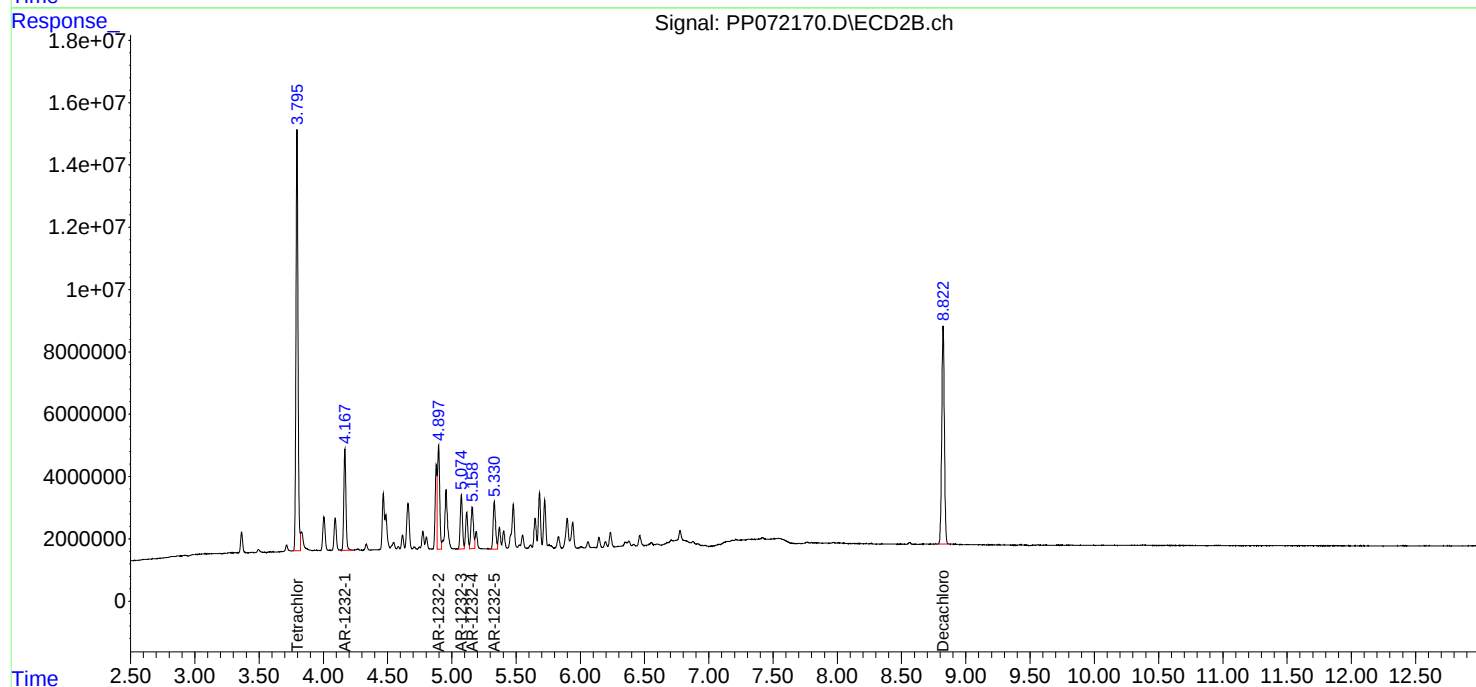
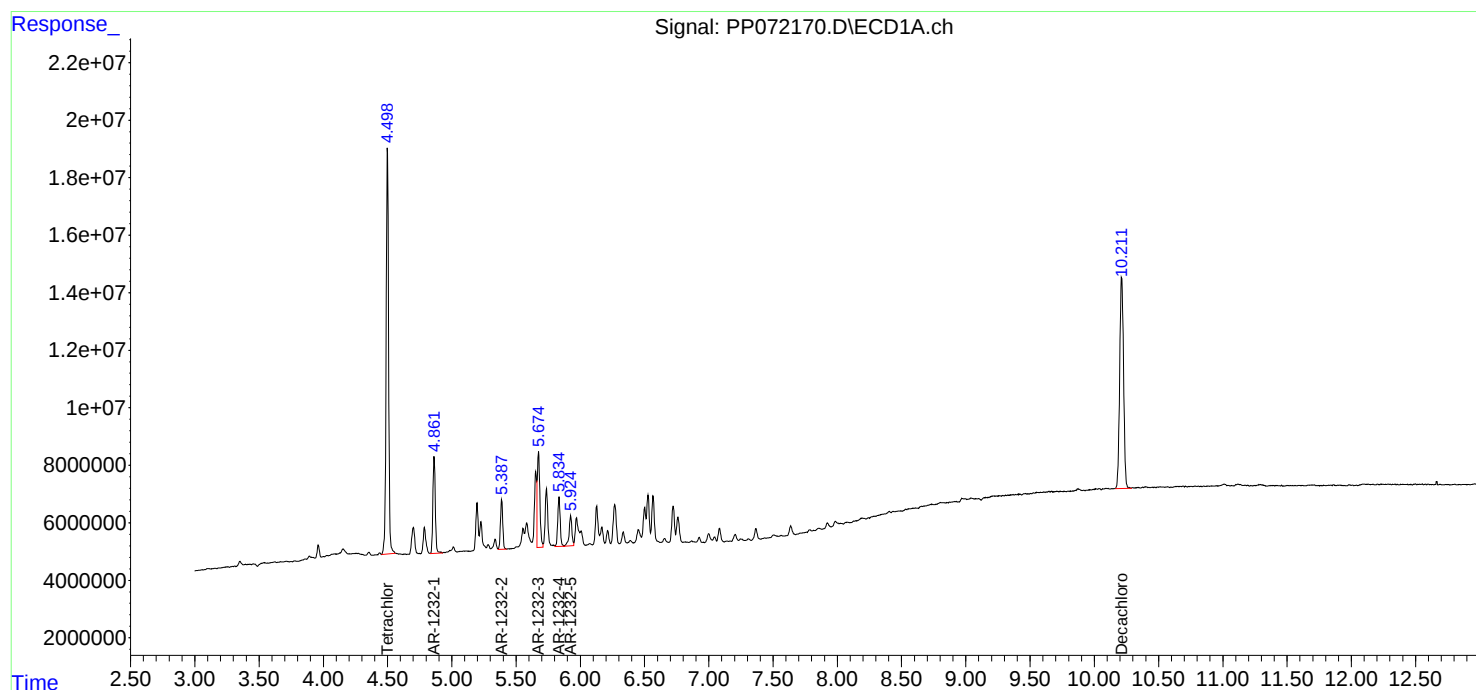
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072170.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:21
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:10:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072171.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:38
 Operator : YP\AJ
 Sample : AR1232ICC750
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 12:15:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 12:12:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.501	3.796	150.1E6	117.1E6	75.772	73.927
2) SA Decachlor...	10.215	8.824	120.1E6	80247330	74.743	75.669
Target Compounds						
11) L3 AR-1232-1	4.864	4.168	34422611	30444044	748.451	739.537
12) L3 AR-1232-2	5.390	4.898	17196522	31518395	759.894	750.945
13) L3 AR-1232-3	5.676	5.075	37611138	16760662	758.466	751.013
14) L3 AR-1232-4	5.836	5.159	18110035	14561422	752.603	753.267
15) L3 AR-1232-5	5.926	5.332	12352668	15928473	761.482	755.563

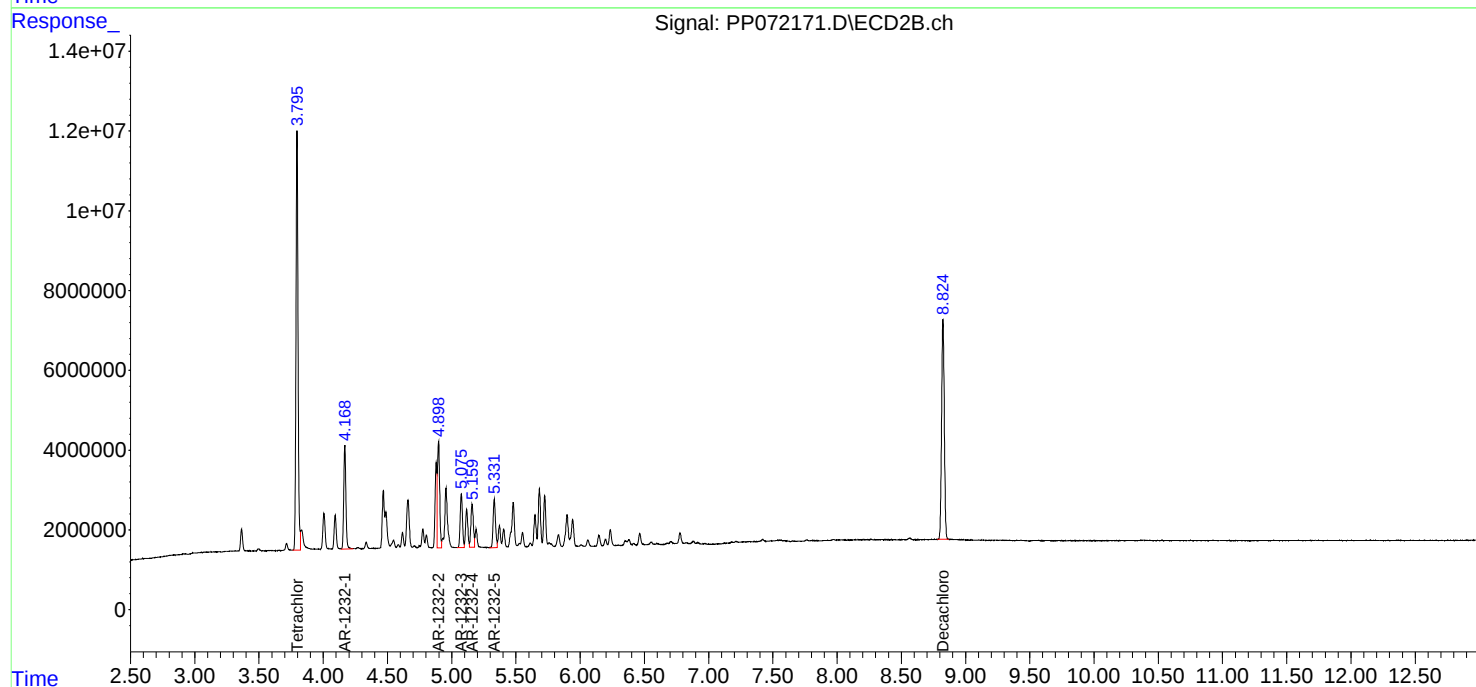
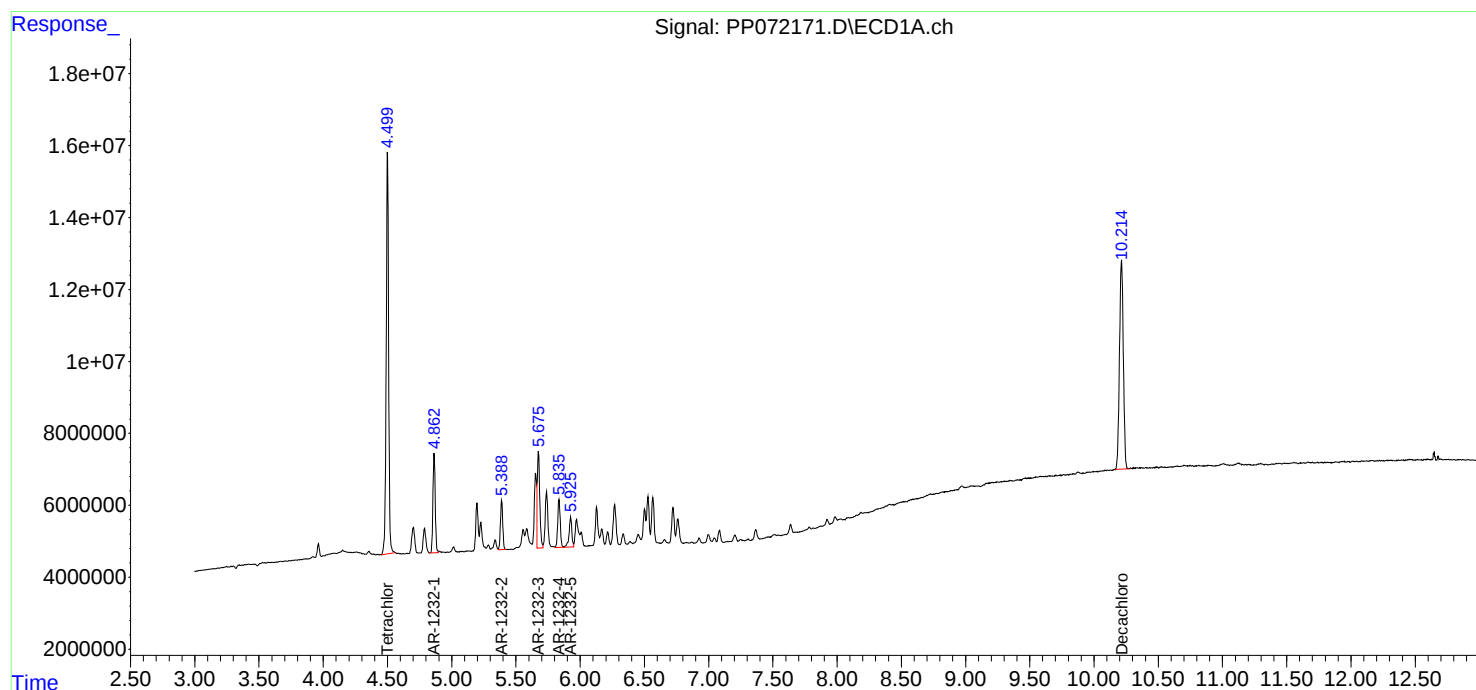
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072171.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:38
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:12:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072172.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:54
 Operator : YP\AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 12:07:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 12:05:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.501	3.795	102.7E6	84298957	50.000	50.000
2) SA Decachlor...	10.214	8.823	83645074	56024151	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.864	4.168	24001461	22645075	500.000	500.000
12) L3 AR-1232-2	5.390	4.897	11622194	22266011	500.000	500.000
13) L3 AR-1232-3	5.676	5.075	25922328	11904276	500.000	500.000
14) L3 AR-1232-4	5.836	5.159	12402195	10340360	500.000	500.000
15) L3 AR-1232-5	5.926	5.331	8221206	11267225	500.000	500.000

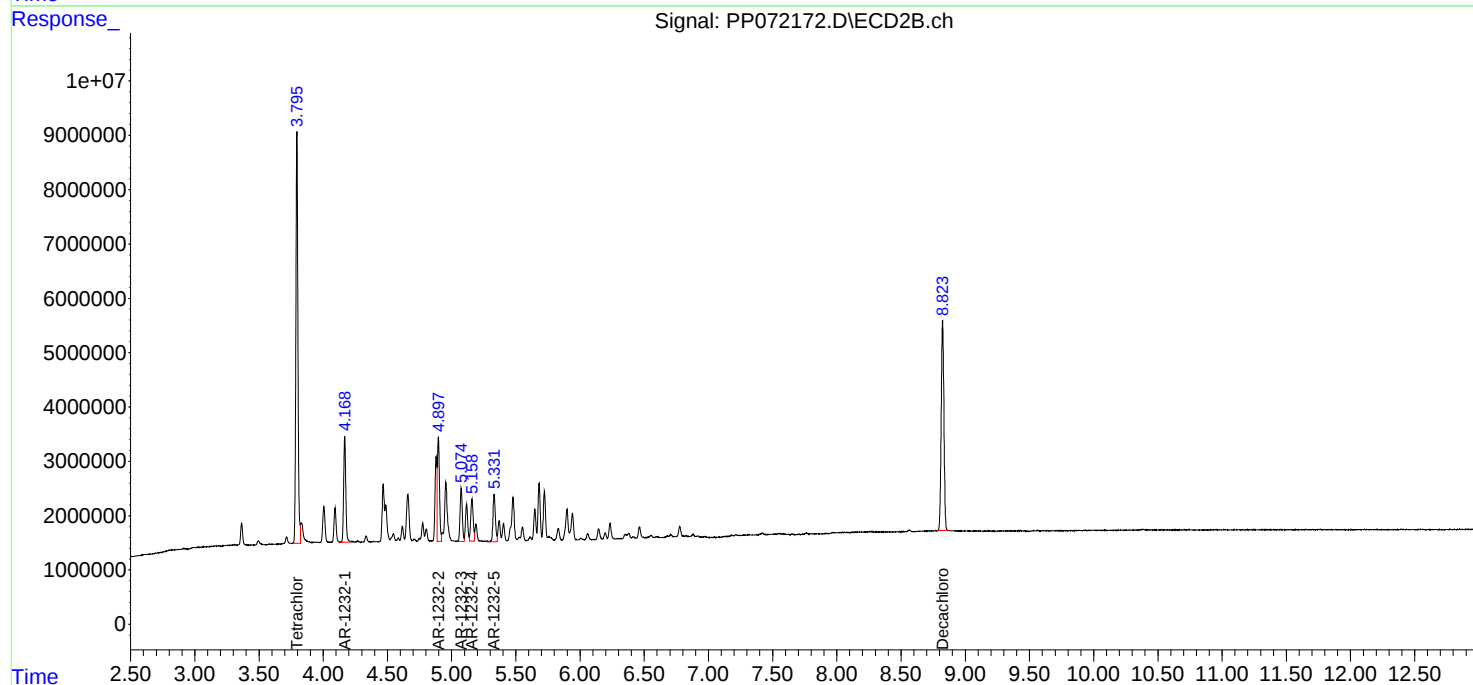
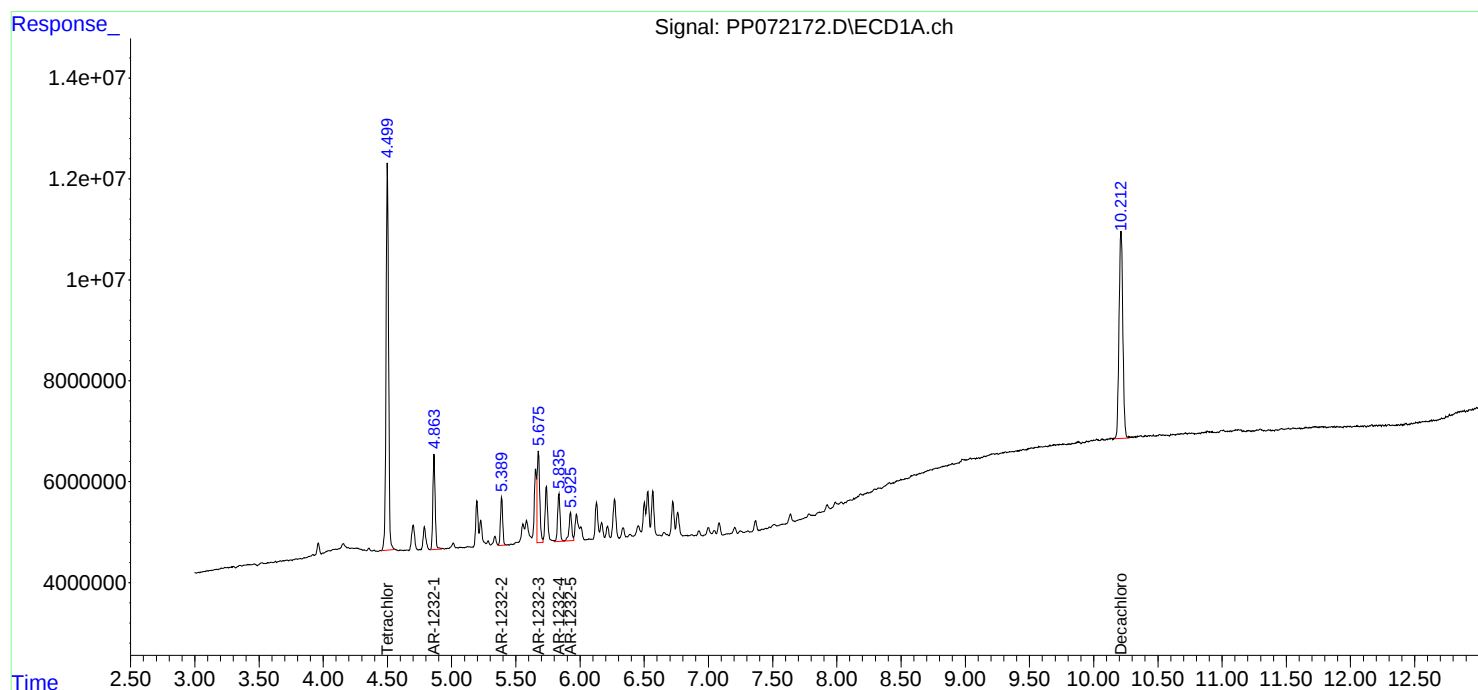
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:54
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:05:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072173.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 12:10
 Operator : YP\AJ
 Sample : AR1232ICC250
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 12:57:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 12:57:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.502	3.795	53057253	41777414	26.318	26.023
2) SA Decachlor...	10.217	8.824	42592543	28685378	26.120	26.506
Target Compounds						
11) L3 AR-1232-1	4.865	4.167	12061819	11916931	259.084	278.487
12) L3 AR-1232-2	5.391	4.897	5757452	11850655	253.297	273.502
13) L3 AR-1232-3	5.678	5.074	13595730	6293241	267.701	273.247
14) L3 AR-1232-4	5.838	5.158	6545799	5422323	266.163	272.197
15) L3 AR-1232-5	5.928	5.331	4527330	6054853	271.199	276.907

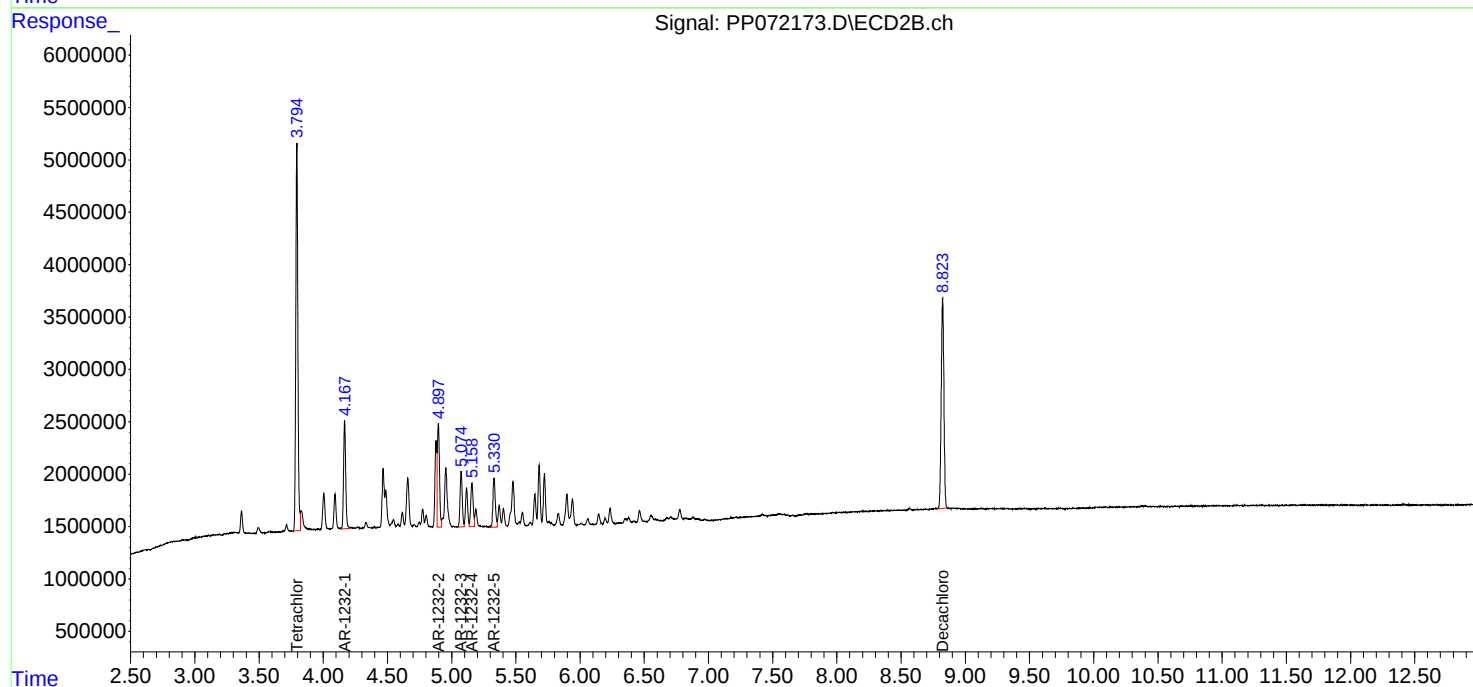
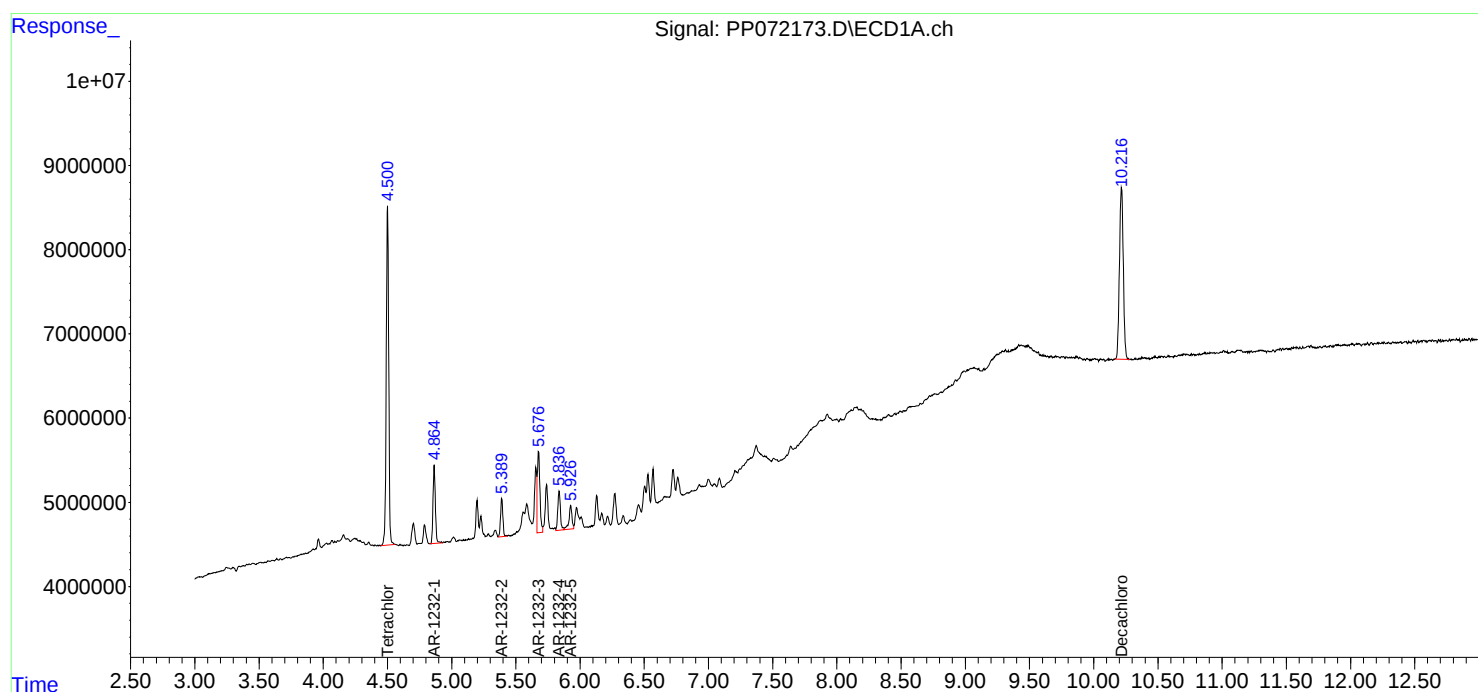
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:10
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 12:57:06 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072174.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 12:27
 Operator : YP\AJ
 Sample : AR1232ICC050
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 13:01:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 13:01:11 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.499	3.796	9615863	7891304	4.814	4.932
2) SA Decachlor...	10.211	8.824	7499330	5759848	4.674	5.254
Target Compounds						
11) L3 AR-1232-1	4.863	4.168	2465980	2277793	52.347	52.551
12) L3 AR-1232-2	5.389	4.898	1274783	2379299	54.751	53.854
13) L3 AR-1232-3	5.674	5.075	2358363	1239517	46.317m	53.009
14) L3 AR-1232-4	5.832	5.160	1356122	1195921	55.264m	57.718
15) L3 AR-1232-5	5.924	5.331	1041139	1415397	59.427	61.129

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:27
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

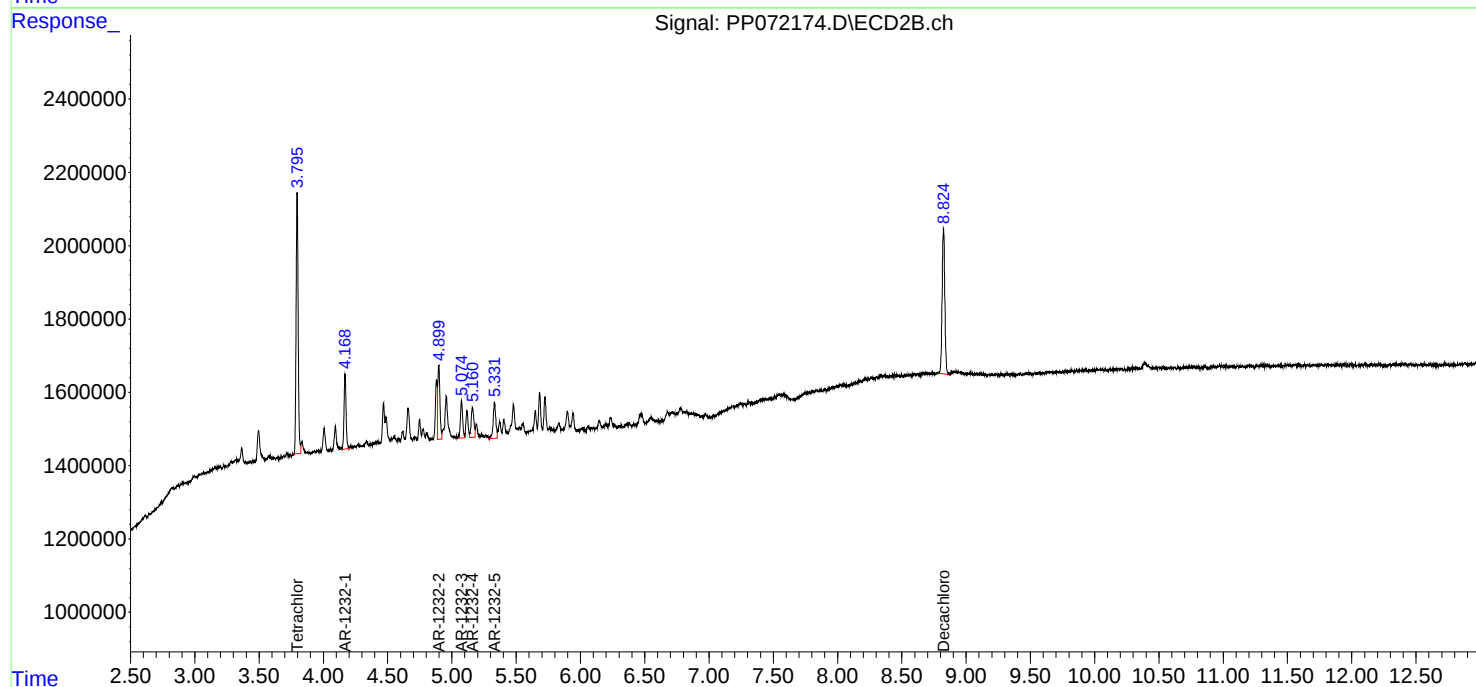
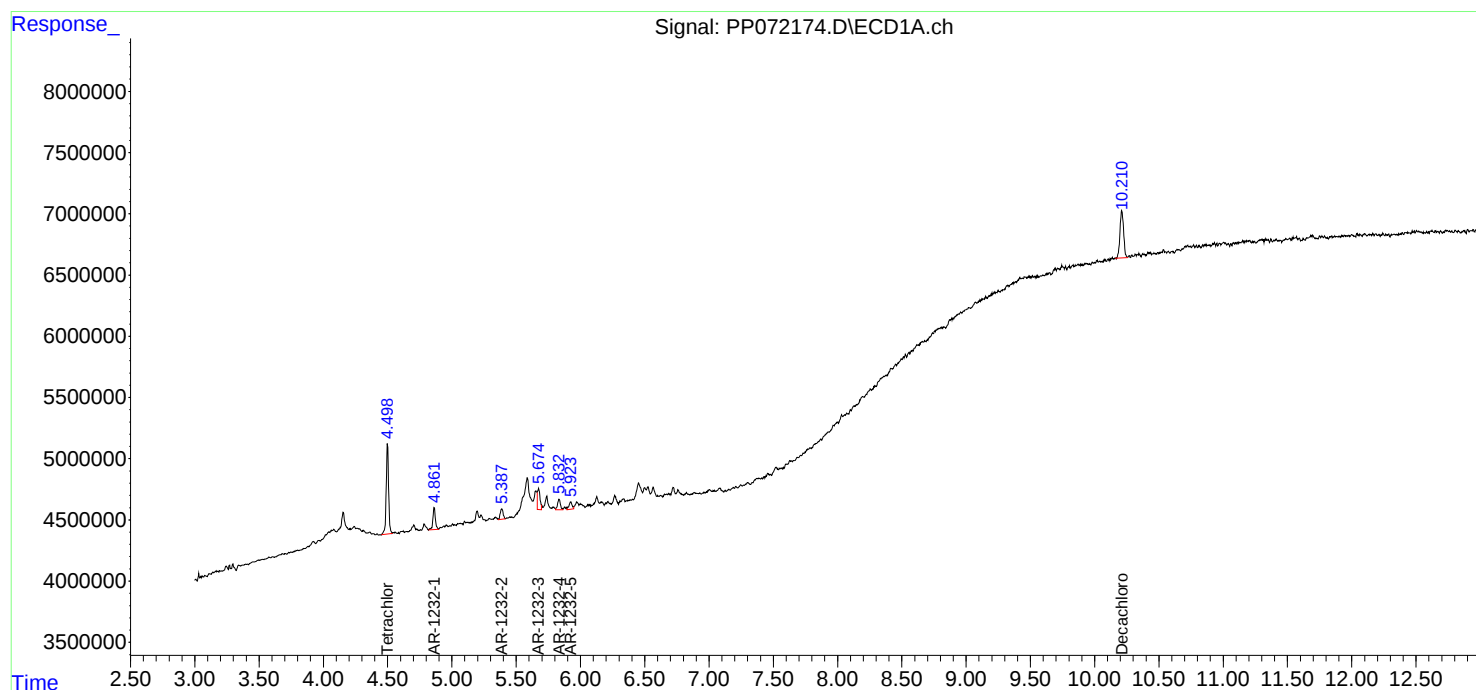
Instrument :
ECD_P
ClientSampleId :
AR1232ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:01:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072175.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 12:43
 Operator : YP\AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 13:42:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 13:38:26 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...	4.502	3.797	182.8E6	154.6E6	95.720	98.241
2) SA Decachlor...	10.216	8.825	152.6E6	96717168	96.225	96.077
Target Compounds						
16) L4 AR-1242-1	5.656	4.881	56211553	46123670	950.363	932.105
17) L4 AR-1242-2	5.678	4.898	82973080	66003789	949.042	933.080
18) L4 AR-1242-3	5.740	5.076	51559127	34394227	963.224	911.604
19) L4 AR-1242-4	5.837	5.160	41207603	32146418	945.604	905.879
20) L4 AR-1242-5	6.568	5.683	47977894	41776015	970.648	922.915

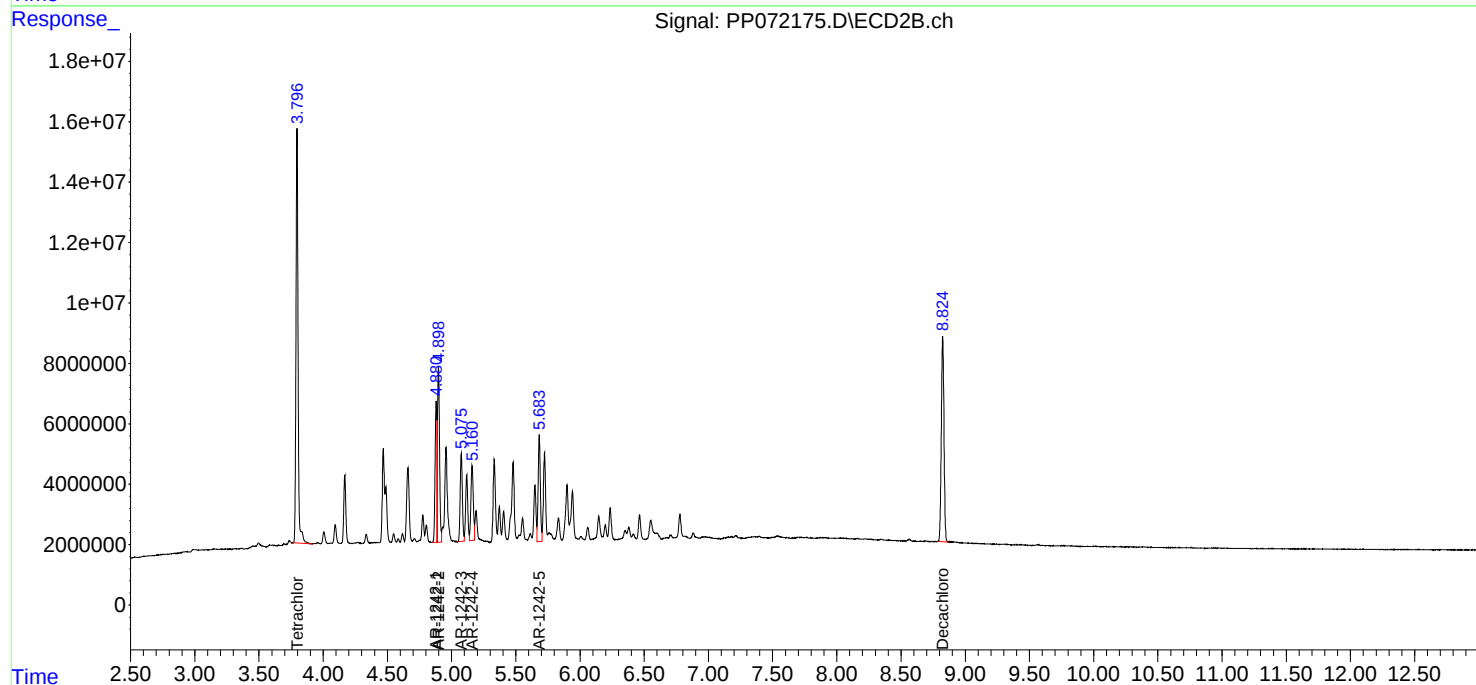
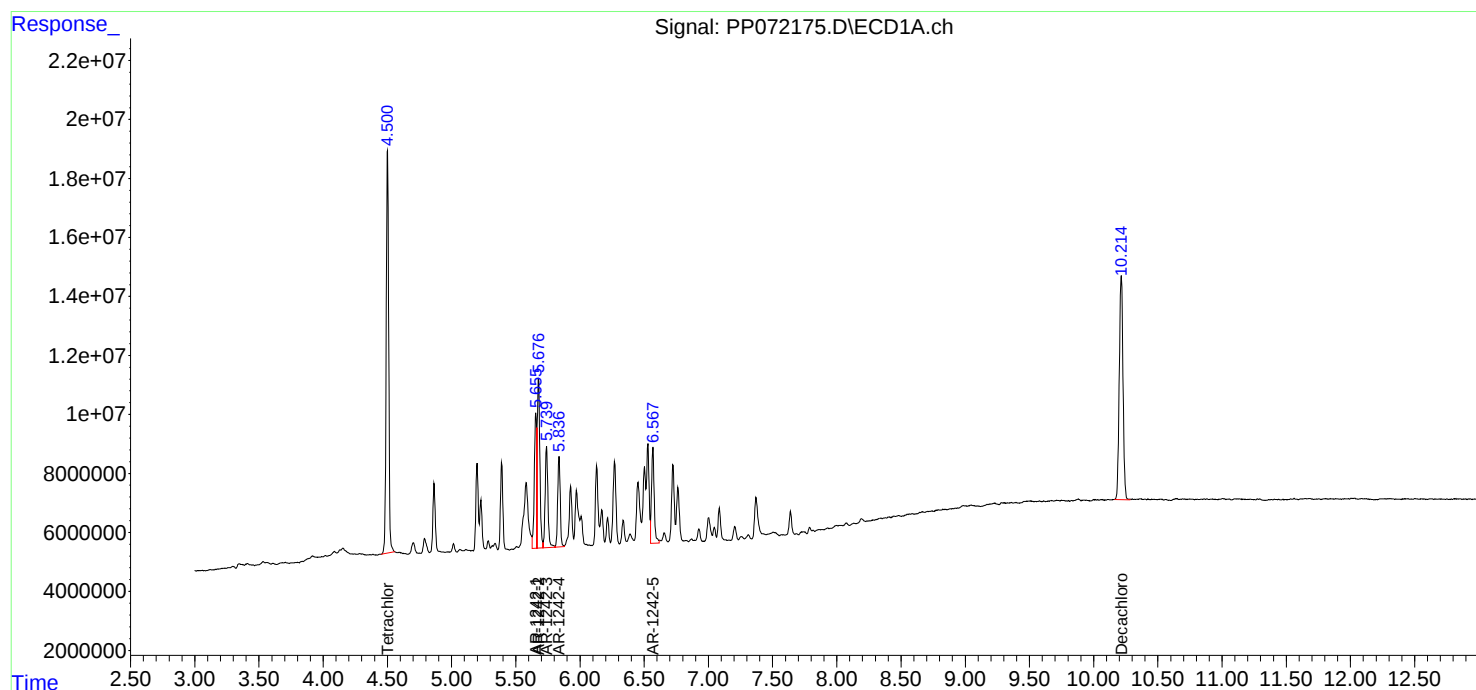
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:43
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072176.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 12:59
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 13:45:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 13:38:26 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...	4.501	3.797	144.7E6	125.3E6	75.506	78.026
2) SA Decachlor...	10.215	8.825	117.5E6	80603094	74.400	78.305
Target Compounds						
16) L4 AR-1242-1	5.656	4.881	42992304	37426857	734.417	754.223
17) L4 AR-1242-2	5.677	4.899	64478622	53279521	741.623	752.130
18) L4 AR-1242-3	5.739	5.076	39091479	29082900	736.754	763.759
19) L4 AR-1242-4	5.837	5.161	32272993	27640589	743.693	769.026
20) L4 AR-1242-5	6.568	5.684	36522171	34960050	742.554	764.745

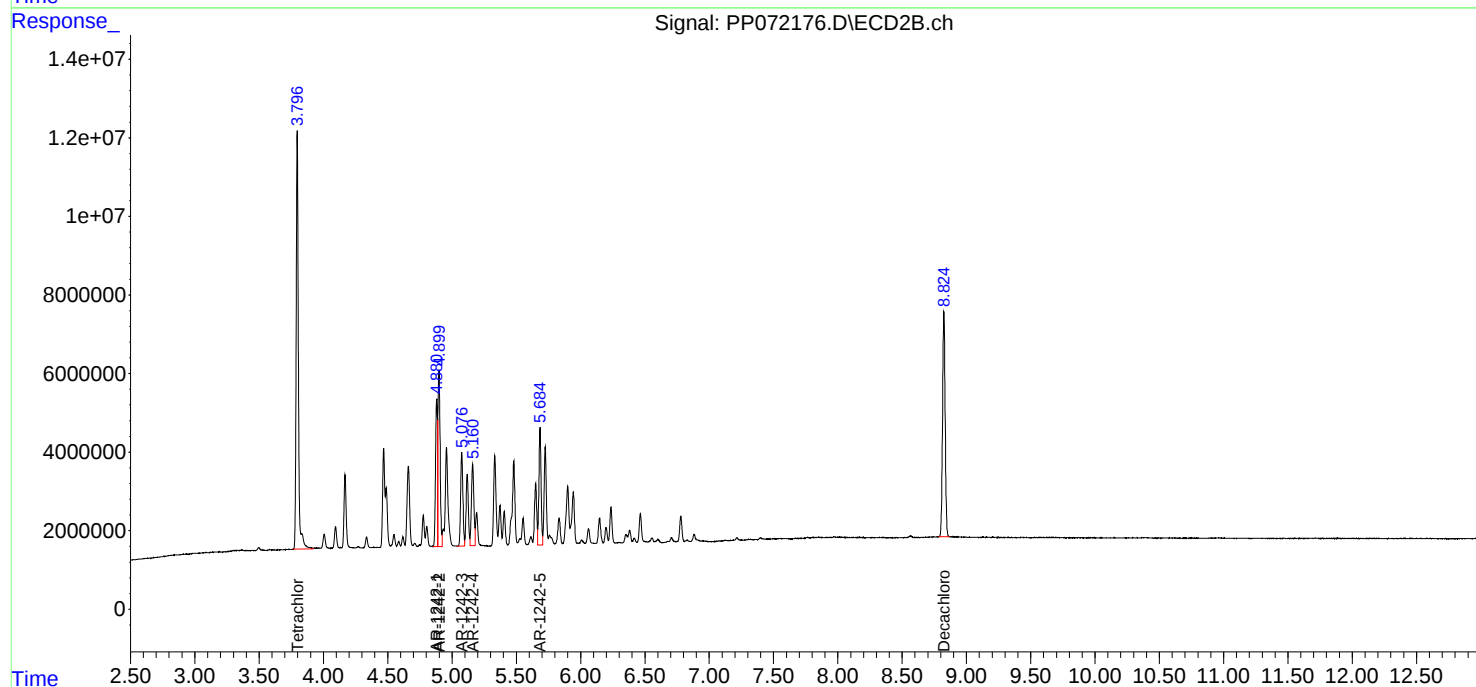
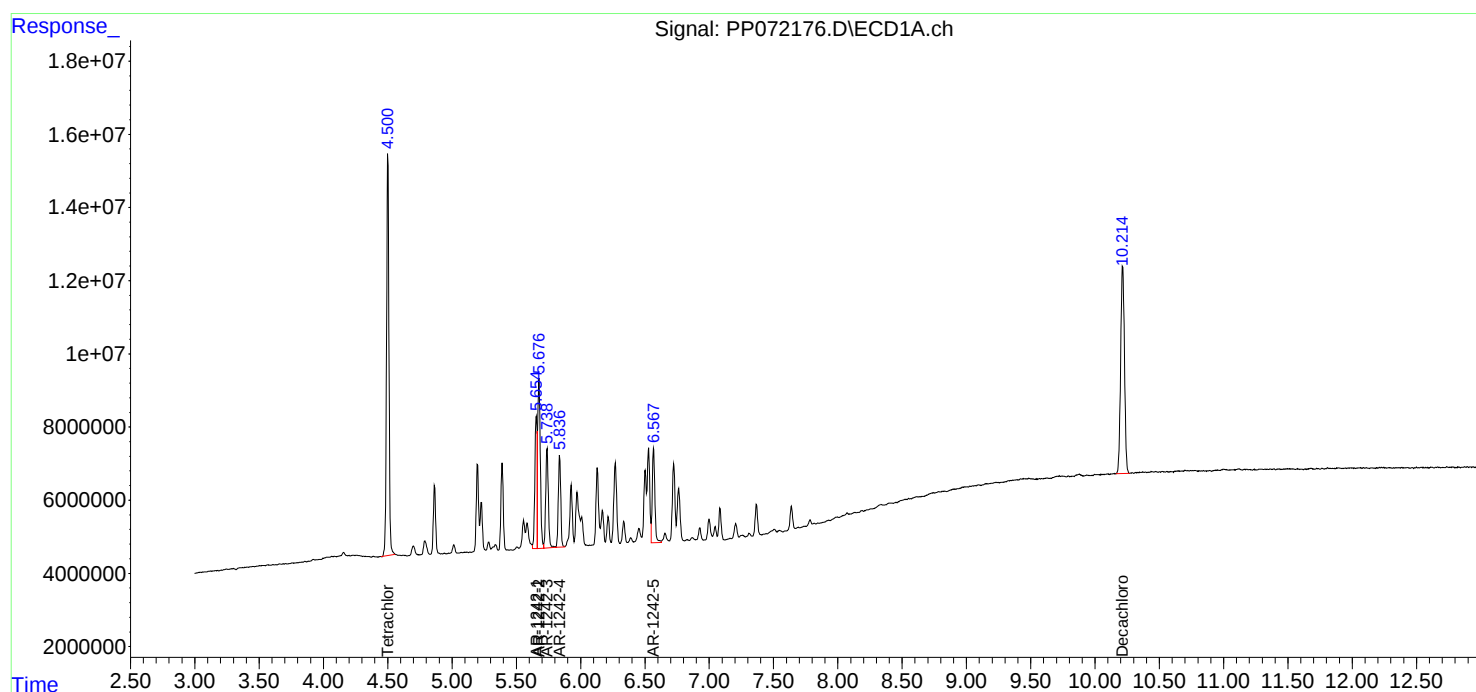
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:59
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:45:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072177.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 13:15
 Operator : YP\AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 13:39:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 13:38:26 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...	4.505	3.798	99563757	80047805	50.000	50.000
2) SA Decachlor...	10.221	8.827	82298882	52308236	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.659	4.883	31041680	26421500	500.000	500.000
17) L4 AR-1242-2	5.681	4.901	45941667	37735643	500.000	500.000
18) L4 AR-1242-3	5.743	5.078	27748086	20532241	500.000	500.000
19) L4 AR-1242-4	5.841	5.162	22974288	19413228	500.000	500.000
20) L4 AR-1242-5	6.572	5.685	25439777	24377285	500.000	500.000

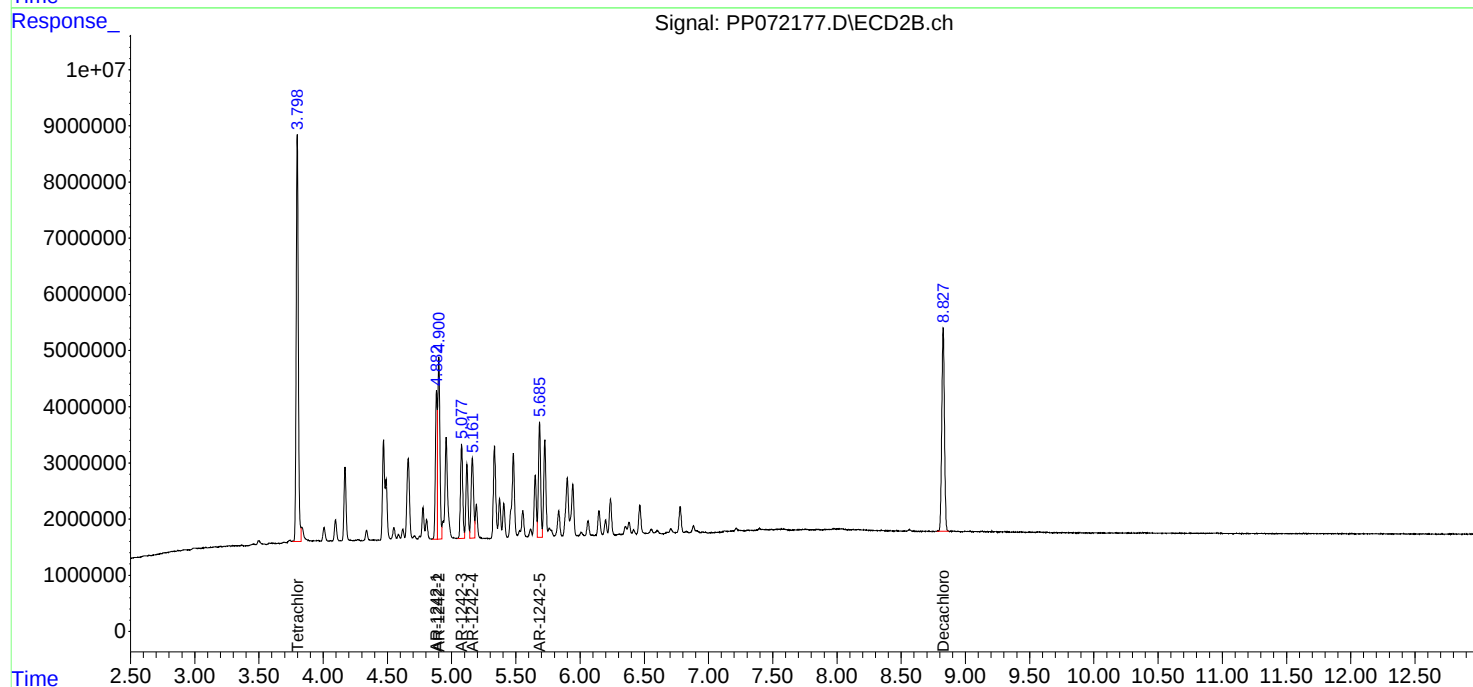
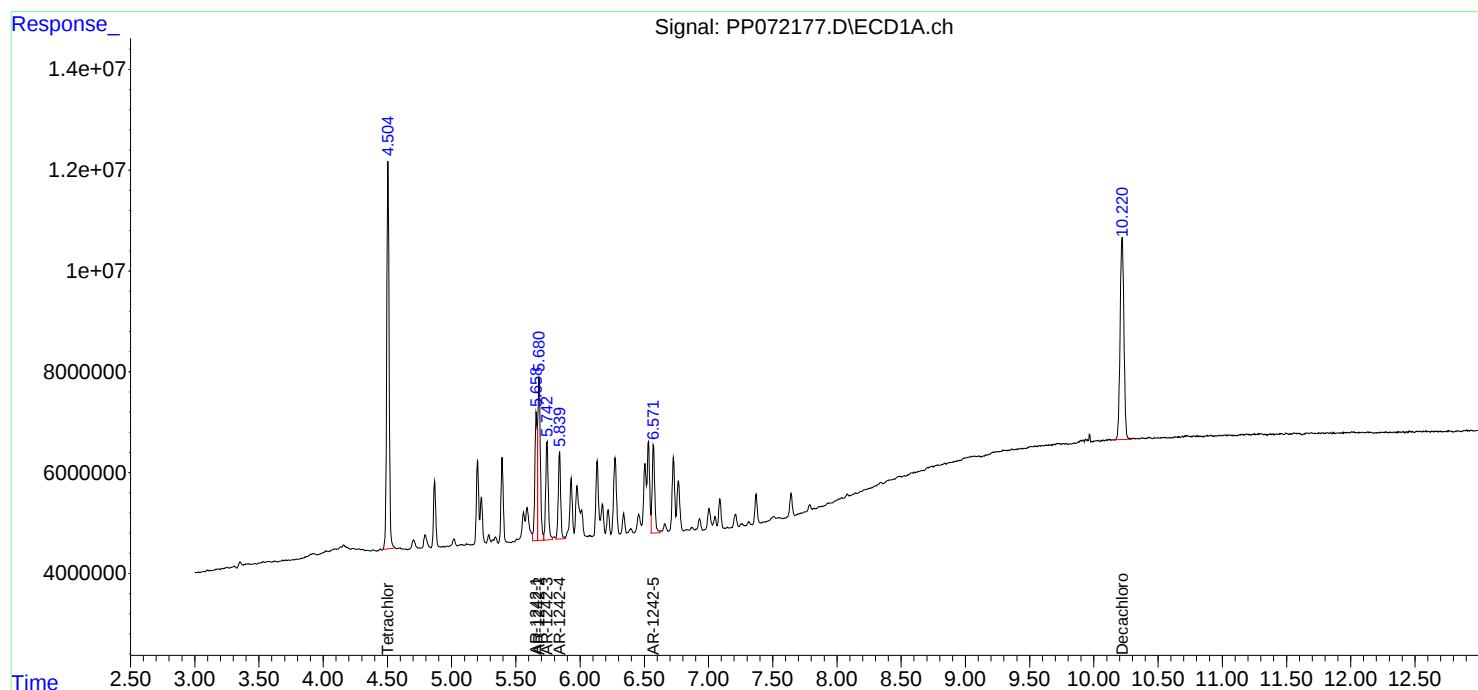
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:15
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:39:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072178.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 13:32
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 13:48:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 13:38:26 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...	4.500	3.797	52867260	40596927	26.895	25.212
2) SA Decachlor...	10.214	8.825	43224831	29078092	26.730	27.360
Target Compounds						
16) L4 AR-1242-1	5.654	4.881	16460967	14309390	272.688	277.708
17) L4 AR-1242-2	5.675	4.899	24396194	20235141	272.269	275.819
18) L4 AR-1242-3	5.738	5.076	14270237	11178619	263.948	281.311
19) L4 AR-1242-4	5.836	5.161	11695459	10798164	264.351	286.007
20) L4 AR-1242-5	6.566	5.684	13108900	13556747	262.192	283.361

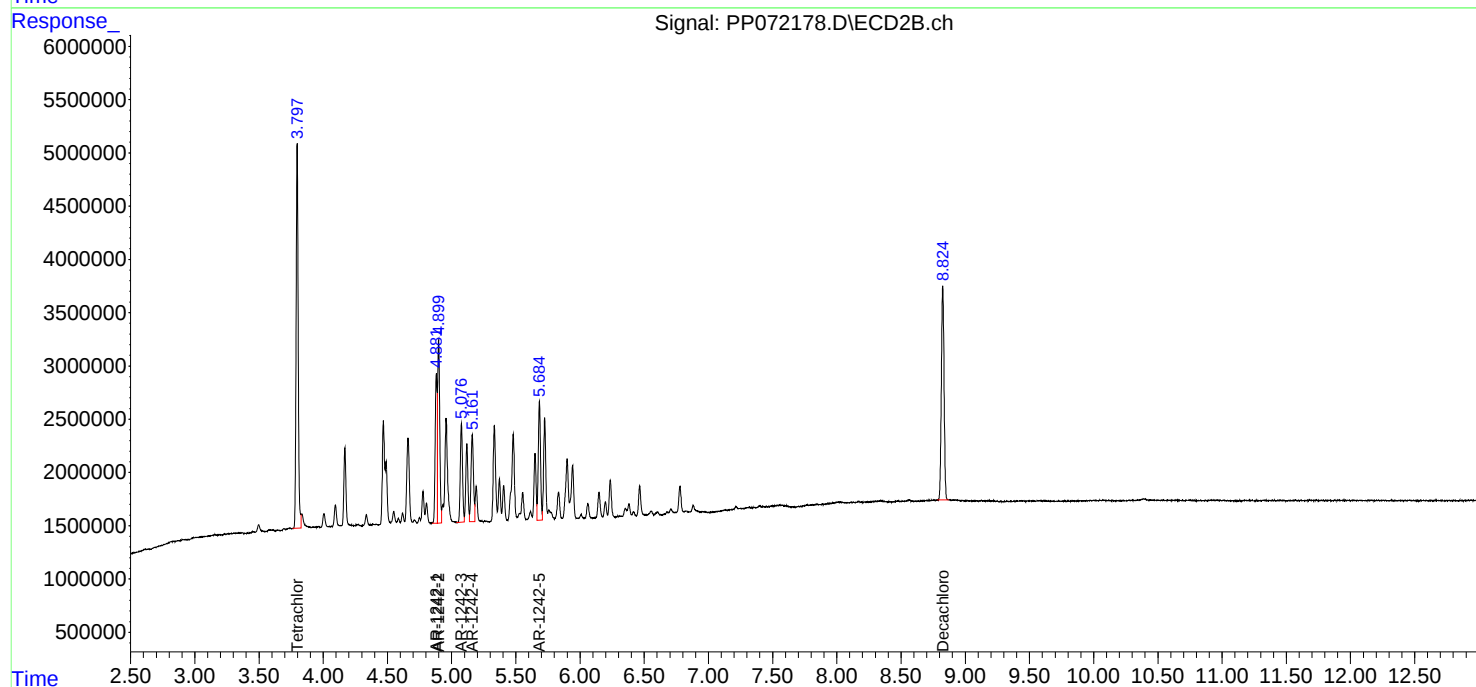
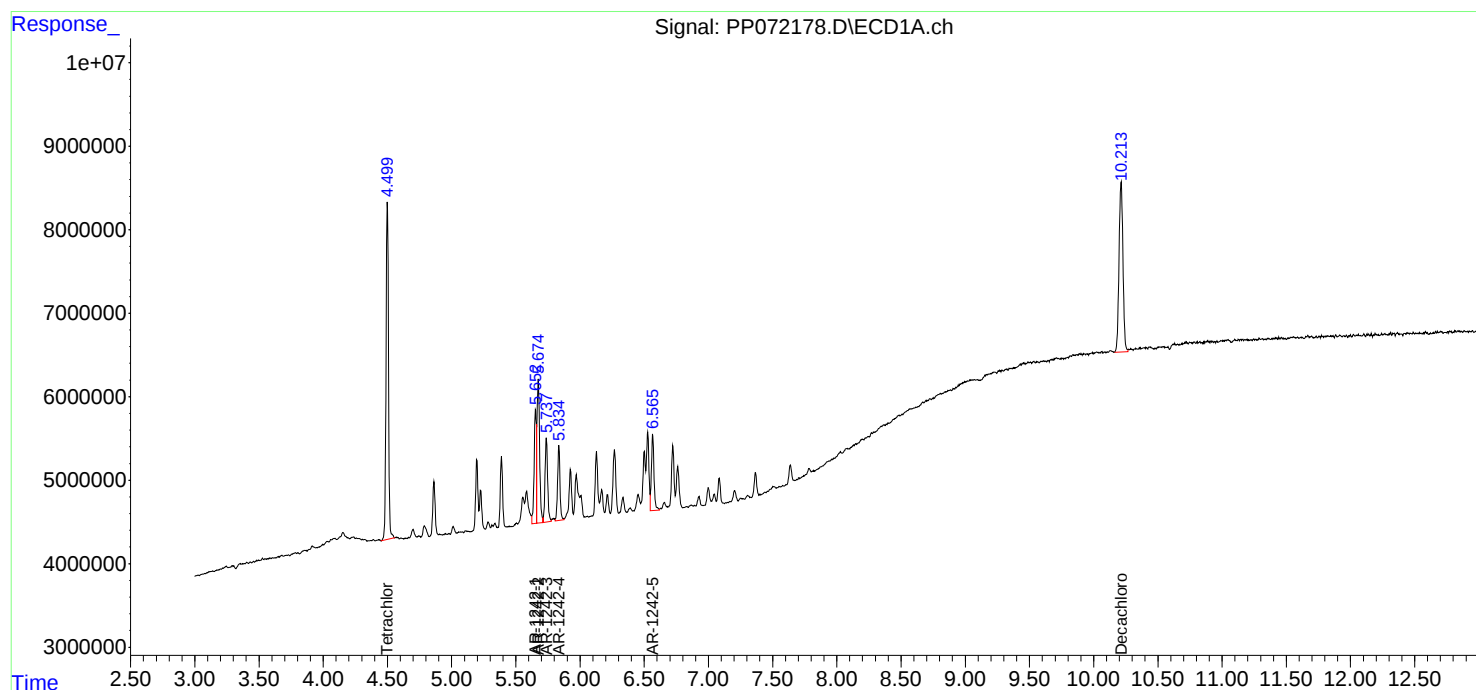
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072178.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:32
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:48:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 13:38:26 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072179.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 13:48
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/20/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 14:11:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 14:10:51 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.503	3.797	8565148	6886728	4.472	4.404
2) SA Decachlor...	10.216	8.824	7437092	5391472	4.674	5.058
Target Compounds						
16) L4 AR-1242-1	5.654	4.882	3576242	2721766	56.040m	52.233
17) L4 AR-1242-2	5.677	4.900	3774327	3701307	42.861m	50.361
18) L4 AR-1242-3	5.740	5.076	2953563	1833864	53.891m	46.871
19) L4 AR-1242-4	5.836	5.161	2238823	1844717	51.018m	49.084
20) L4 AR-1242-5	6.568	5.683	2746740	2495867	53.225m	52.475m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:48
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

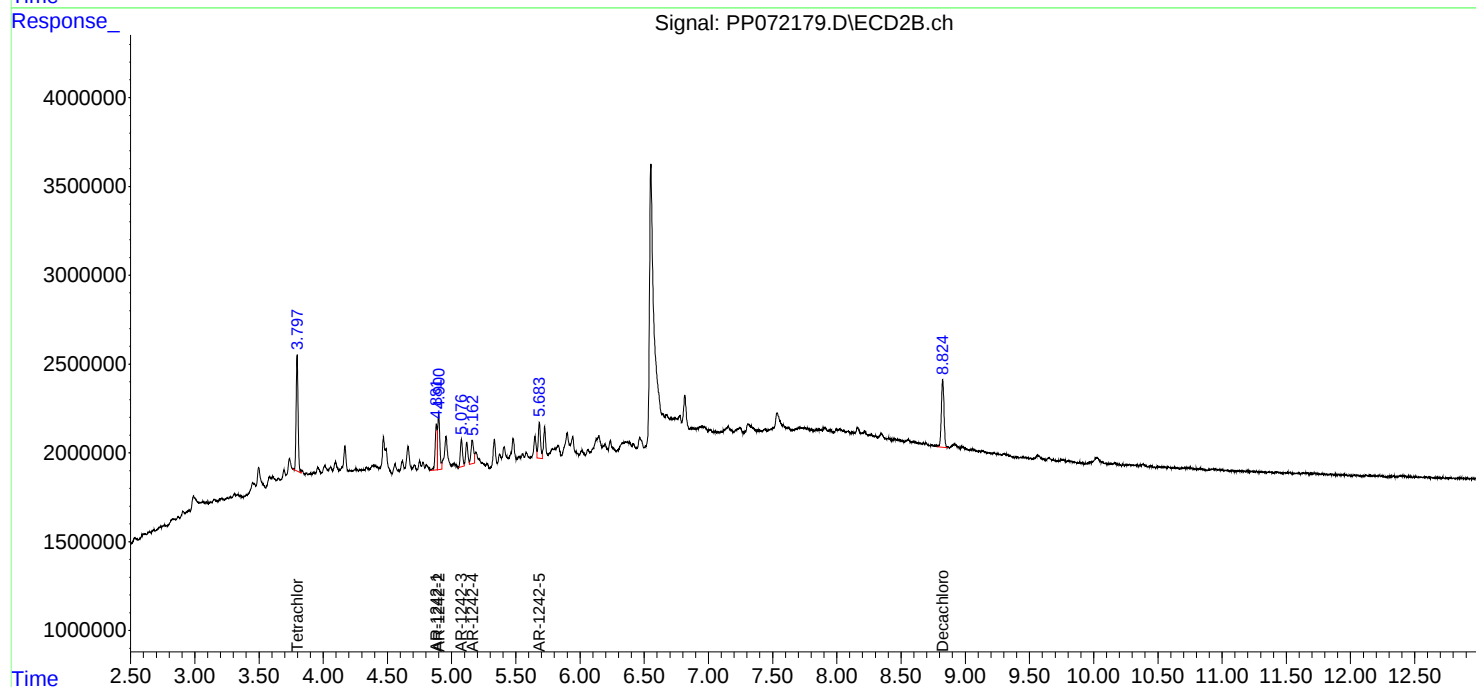
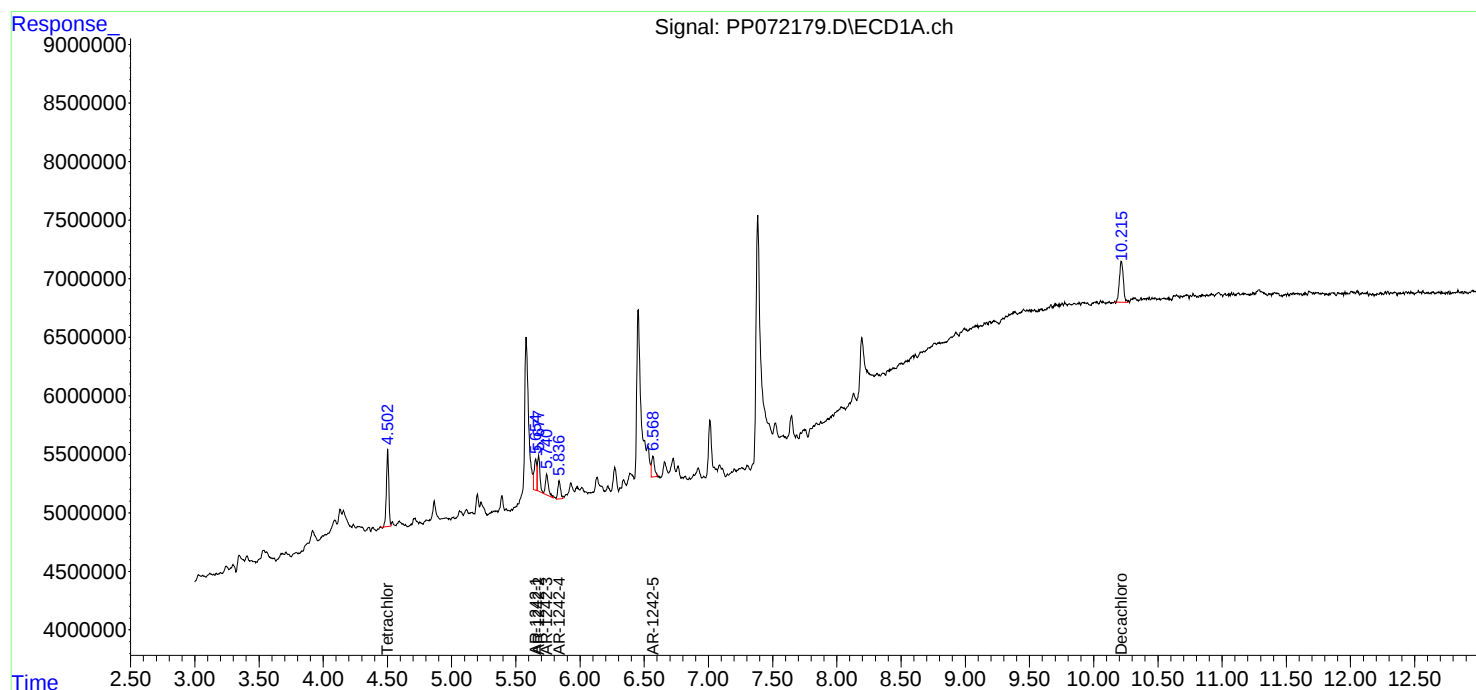
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:10:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072180.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 14:04
 Operator : YP\AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 14:59:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 14:54:54 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...	4.506	3.798	188.0E6	158.5E6	97.146	96.913
2) SA Decachlor...	10.219	8.825	157.3E6	107.8E6	97.225	97.659
Target Compounds						
21) L5 AR-1248-1	5.659	4.881	44038397	38942472	957.866	950.706
22) L5 AR-1248-2	5.931	5.118	56984732	50685144	964.616	951.833
23) L5 AR-1248-3	6.134	5.161	64677132	53612101	969.345	958.095
24) L5 AR-1248-4	6.533	5.333	81606824	63542852	959.973	960.283
25) L5 AR-1248-5	6.572	5.725	77587697	63751699	965.027	958.723

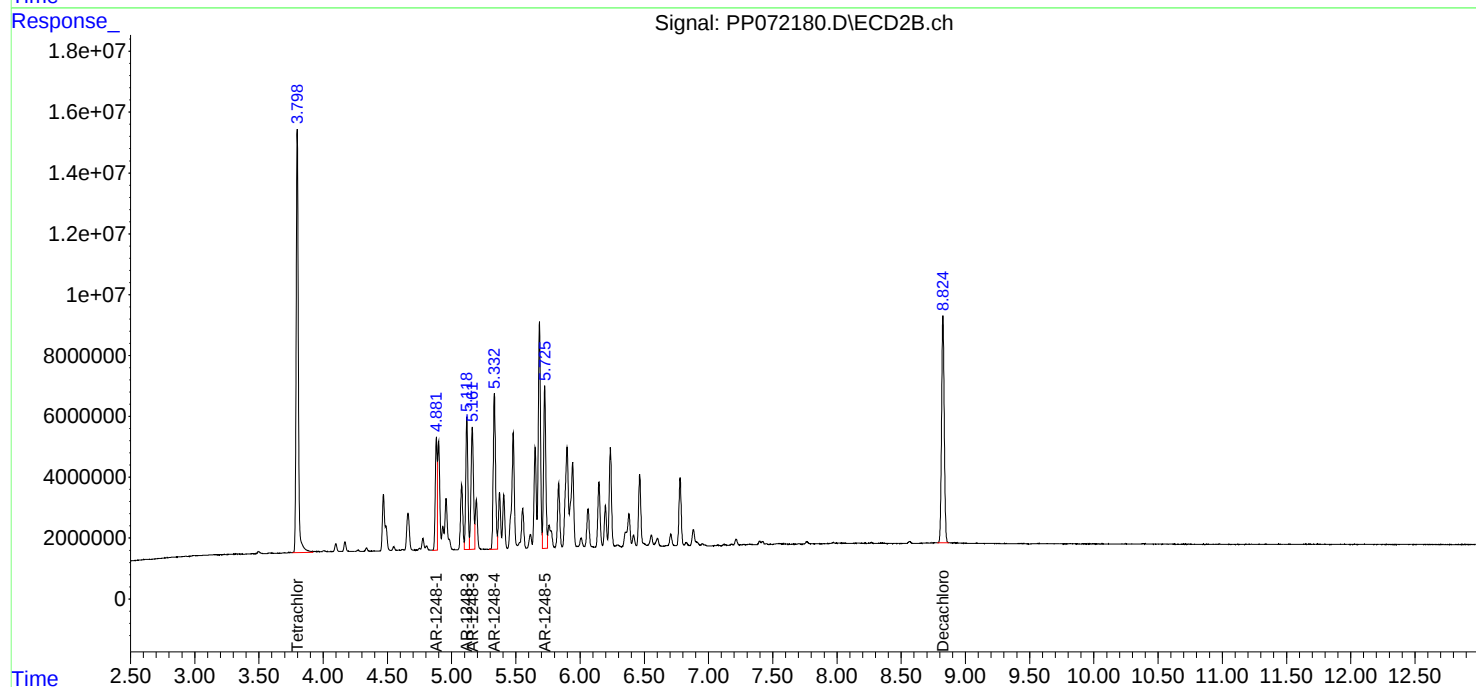
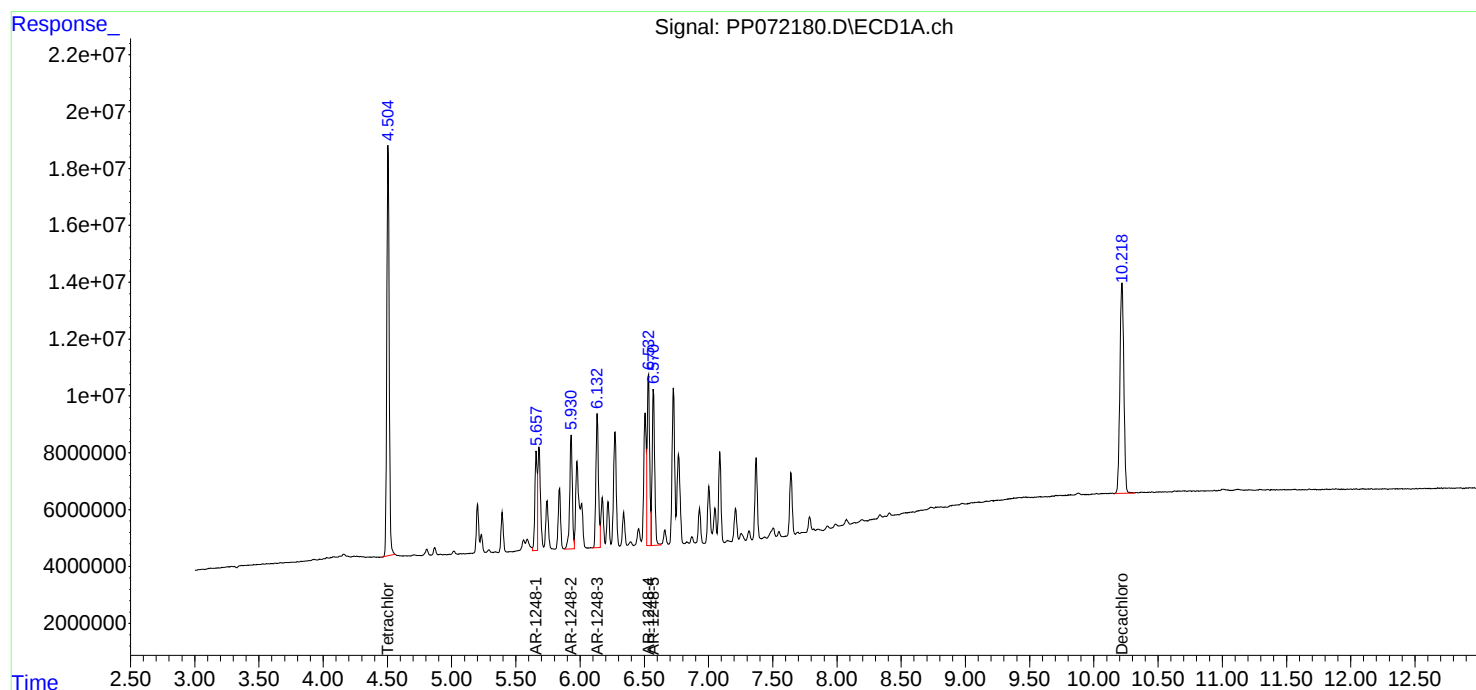
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:04
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072181.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 14:20
 Operator : YP\AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 15:02:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 14:54:54 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...	4.502	3.799	143.2E6	115.8E6	74.323	72.143
2) SA Decachlor...	10.214	8.826	119.9E6	80014834	74.410	73.309
Target Compounds						
21) L5 AR-1248-1	5.655	4.882	35604324	28560624	766.105	713.991
22) L5 AR-1248-2	5.927	5.119	44550644	37039968	752.752	712.825
23) L5 AR-1248-3	6.130	5.161	49360311	38952854	743.159	713.200
24) L5 AR-1248-4	6.529	5.333	63978321	45811338	751.733	710.534
25) L5 AR-1248-5	6.568	5.726	60752796	46780519	753.748	718.348

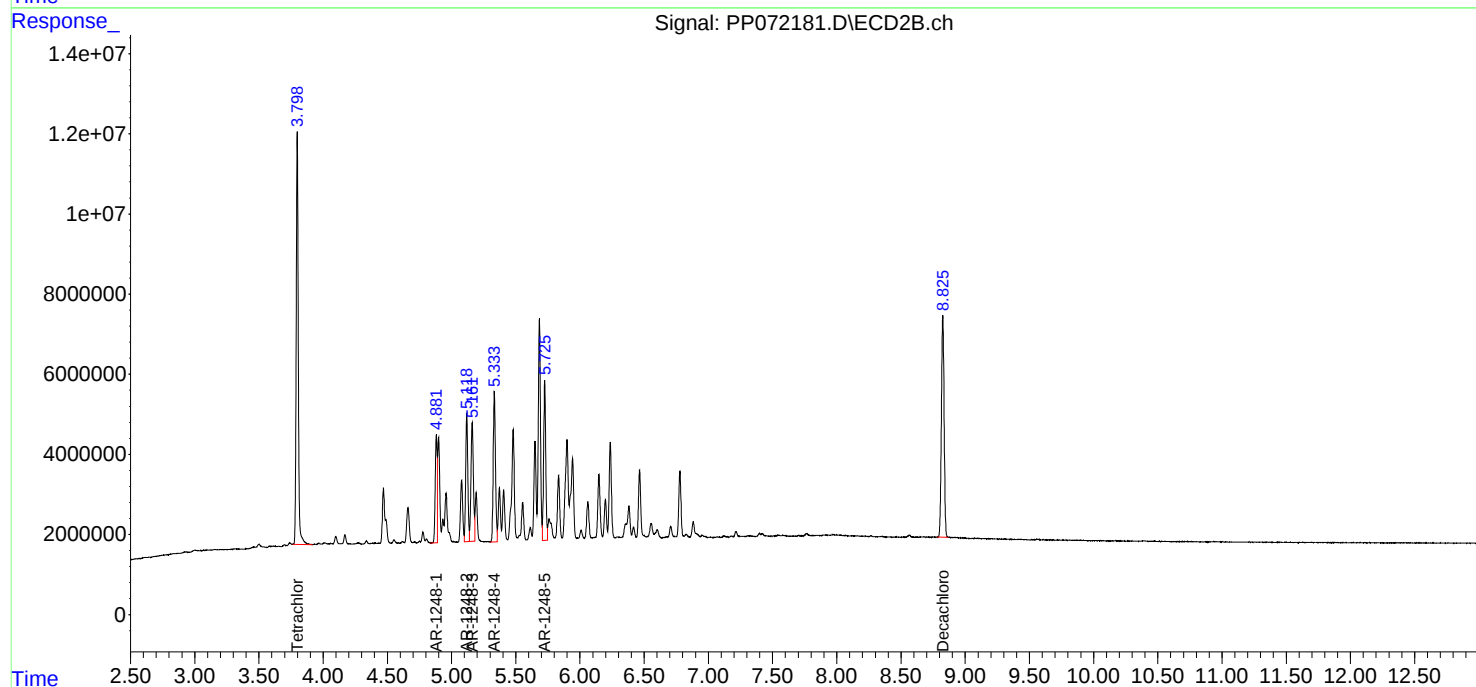
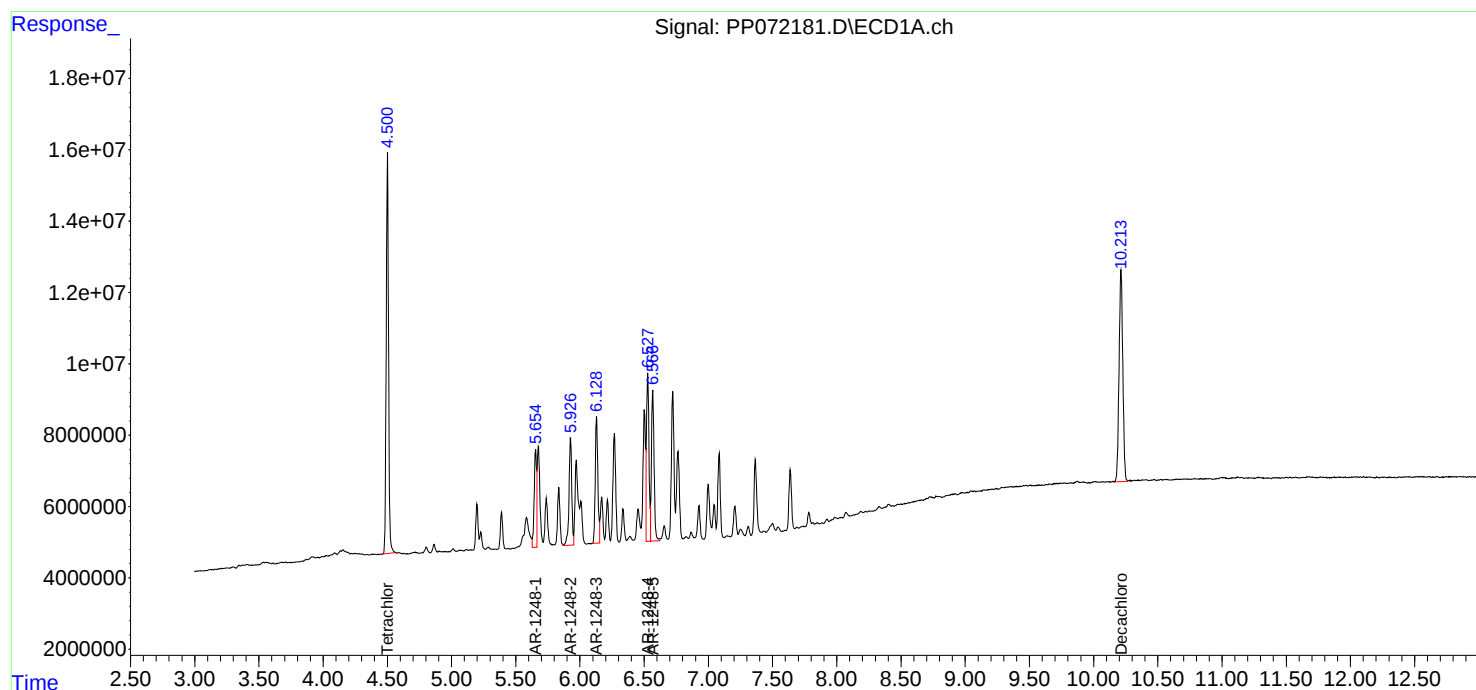
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:20
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072182.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 14:37
 Operator : YP\AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 14:56:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 14:54:54 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...	4.503	3.798	99535493	84317976	50.000	50.000
2) SA Decachlor...	10.215	8.825	83159844	56480842	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.656	4.881	23956323	21490405	500.000	500.000
22) L5 AR-1248-2	5.928	5.119	30582698	27907479	500.000	500.000
23) L5 AR-1248-3	6.131	5.161	34383966	29150937	500.000	500.000
24) L5 AR-1248-4	6.530	5.333	44206090	34399526	500.000	500.000
25) L5 AR-1248-5	6.569	5.726	41605620	34620634	500.000	500.000

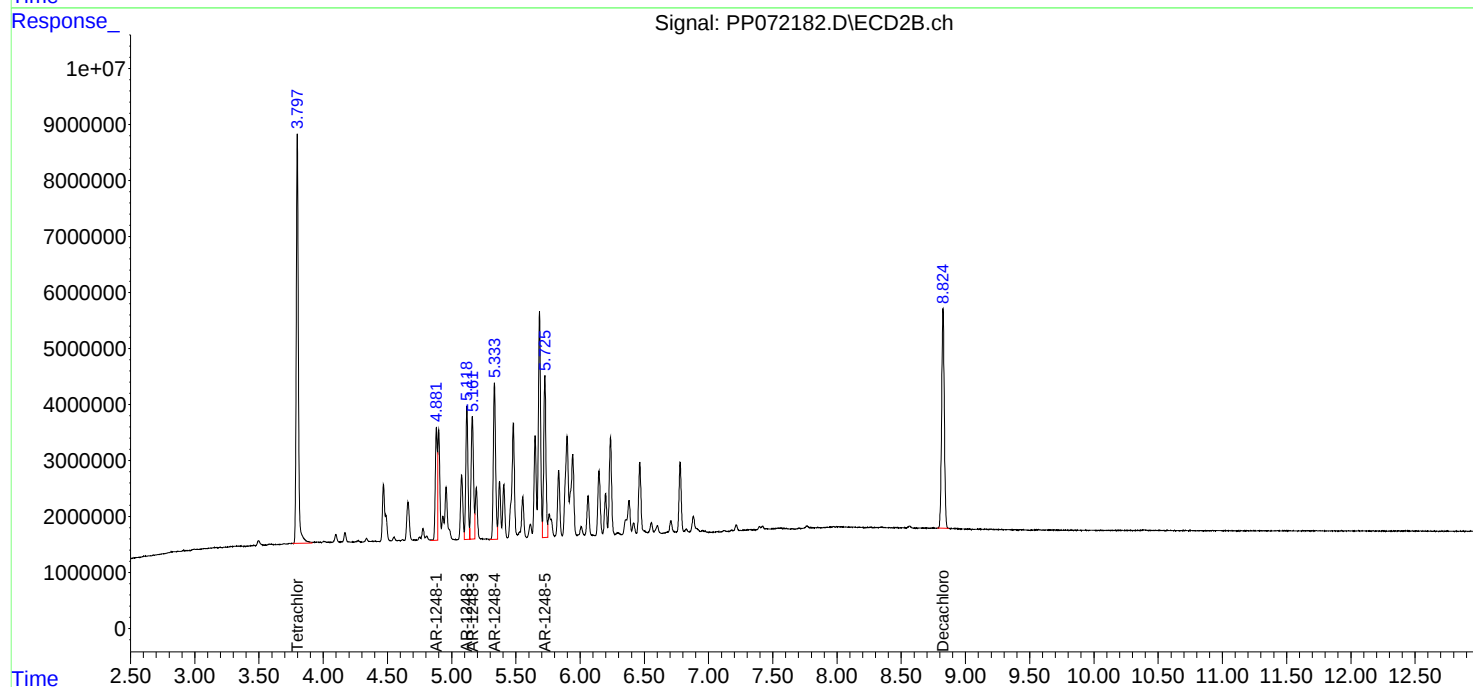
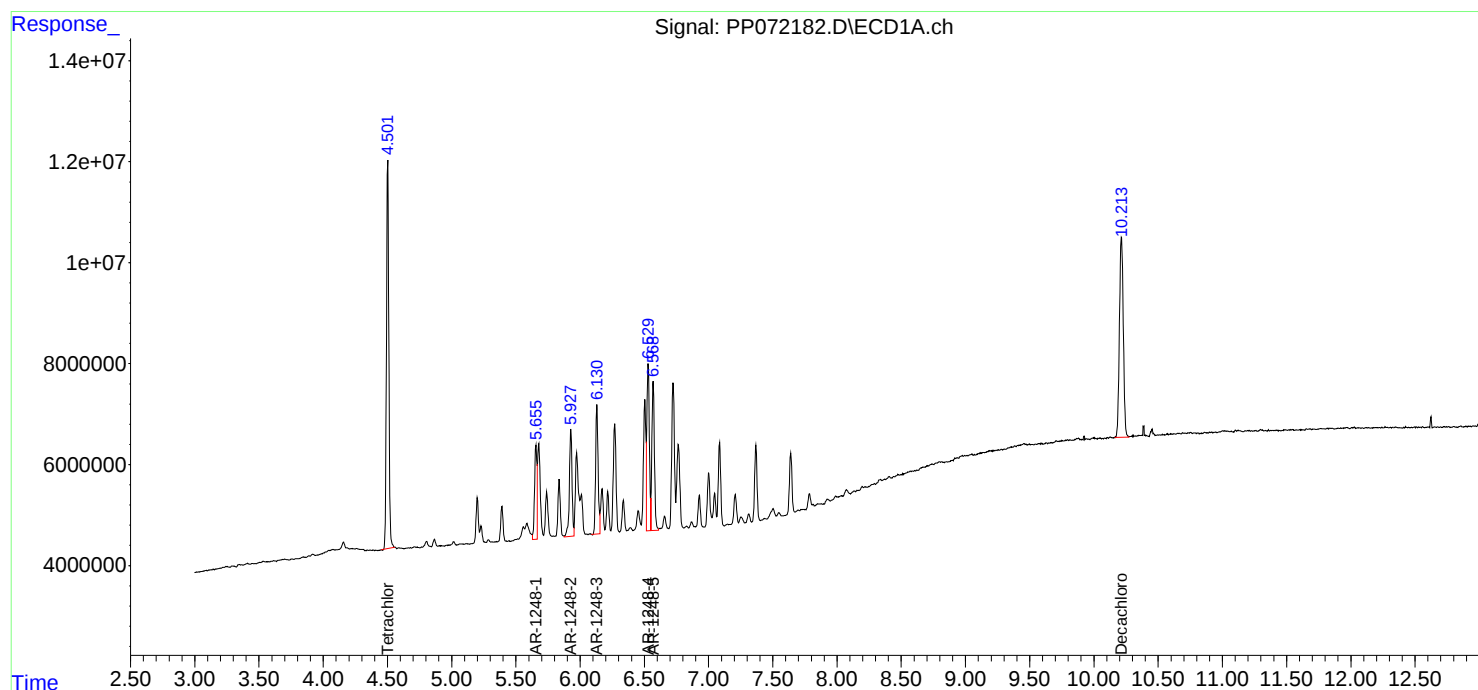
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:37
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:56:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072183.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 14:53
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 15:05:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 14:54:54 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...	4.504	3.798	52810864	45199511	26.764	27.295
2) SA Decachlor...	10.217	8.825	42874232	30462979	26.180	27.121
Target Compounds						
21) L5 AR-1248-1	5.657	4.882	12861341	11684235	269.533	280.297
22) L5 AR-1248-2	5.929	5.119	15869170	15269791	263.358	281.515
23) L5 AR-1248-3	6.132	5.161	17659503	16001810	261.722	280.908
24) L5 AR-1248-4	6.531	5.333	23049150	18905273	265.299	281.073
25) L5 AR-1248-5	6.570	5.726	21712961	18625278	264.265	276.065

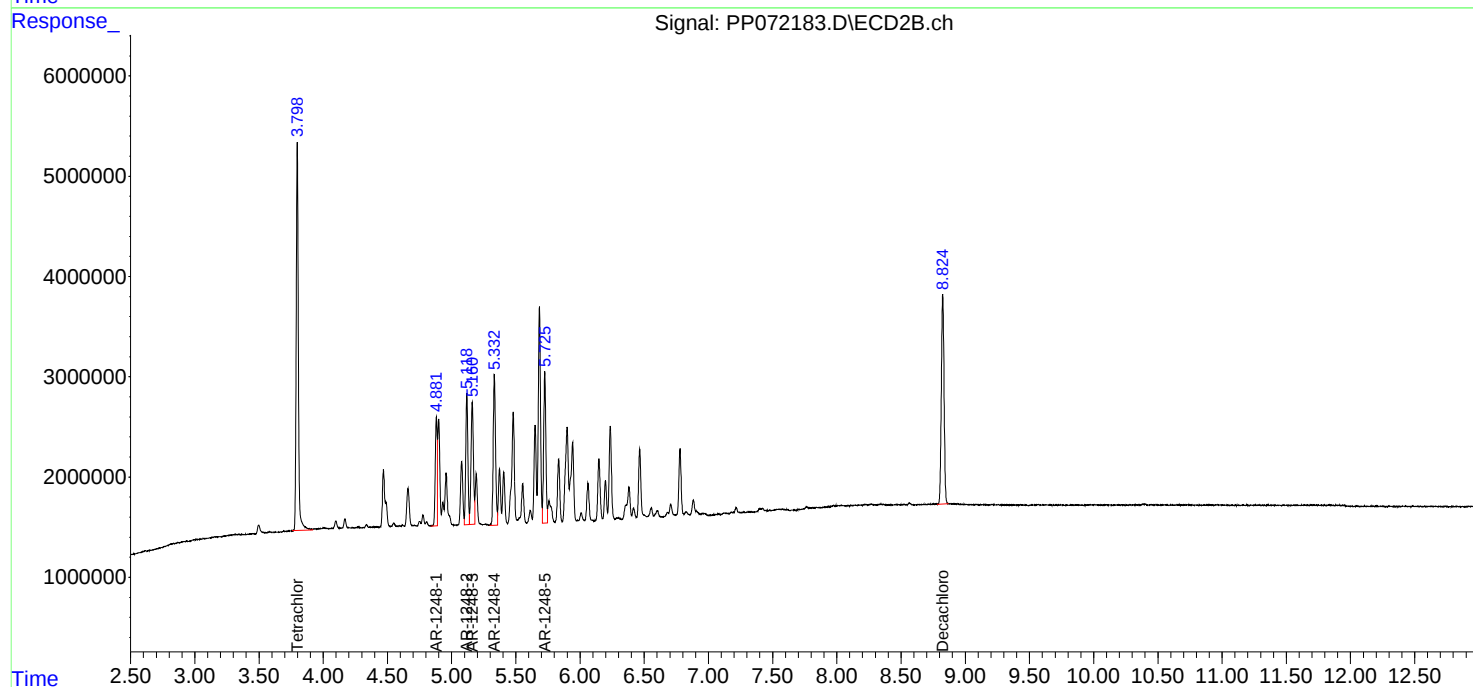
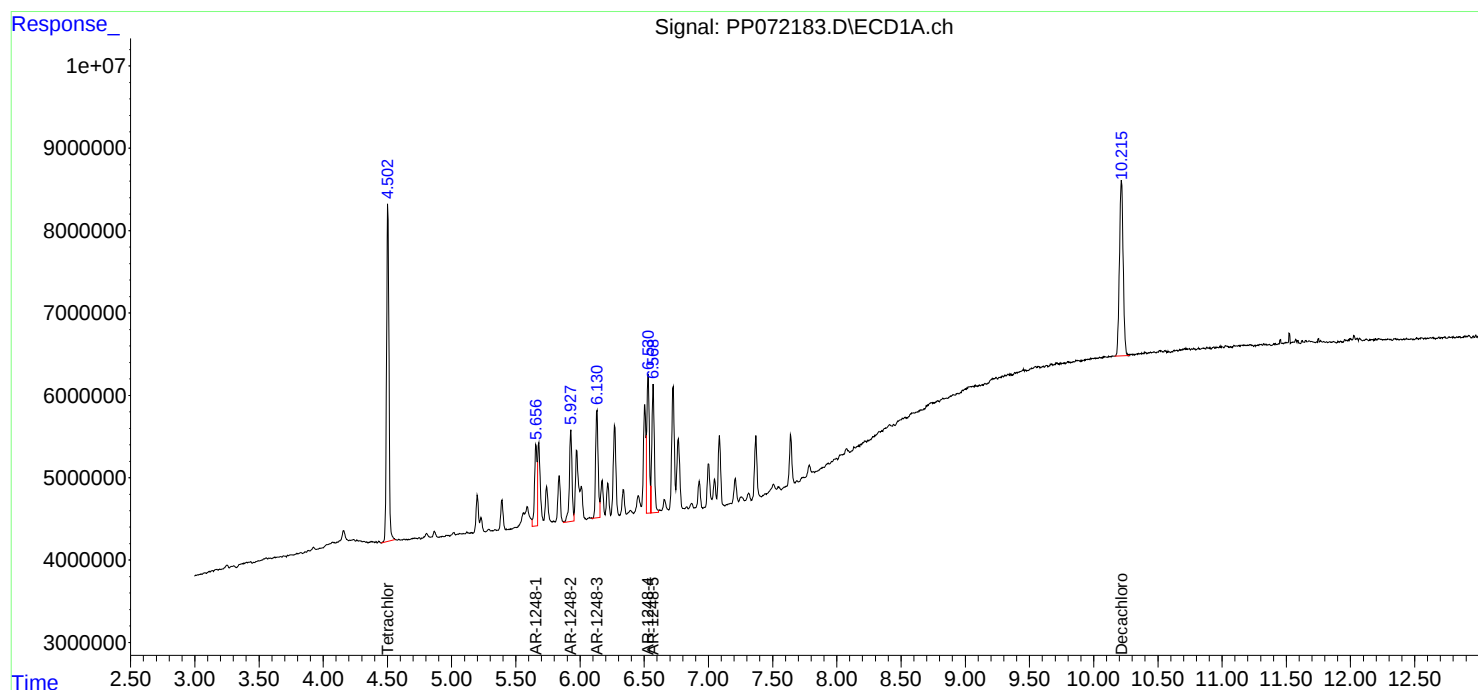
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:53
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:05:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 14:54:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072184.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 15:25
 Operator : YP\AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/20/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 15:39:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 15:20:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.500	3.797	9281743	8589975	4.760	5.149
2) SA Decachlor...	10.214	8.824	7393621	5937693	4.604	5.226
Target Compounds						
21) L5 AR-1248-1	5.652	4.881	2555425	2493351	52.477m	57.554
22) L5 AR-1248-2	5.926	5.118	3108634	3271038	51.264	57.918
23) L5 AR-1248-3	6.128	5.160	3050186	3383850	46.089	57.249
24) L5 AR-1248-4	6.528	5.332	4472018	3960972	51.172	56.978m
25) L5 AR-1248-5	6.567	5.725	4323703	3941459	52.077	56.517

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:25
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

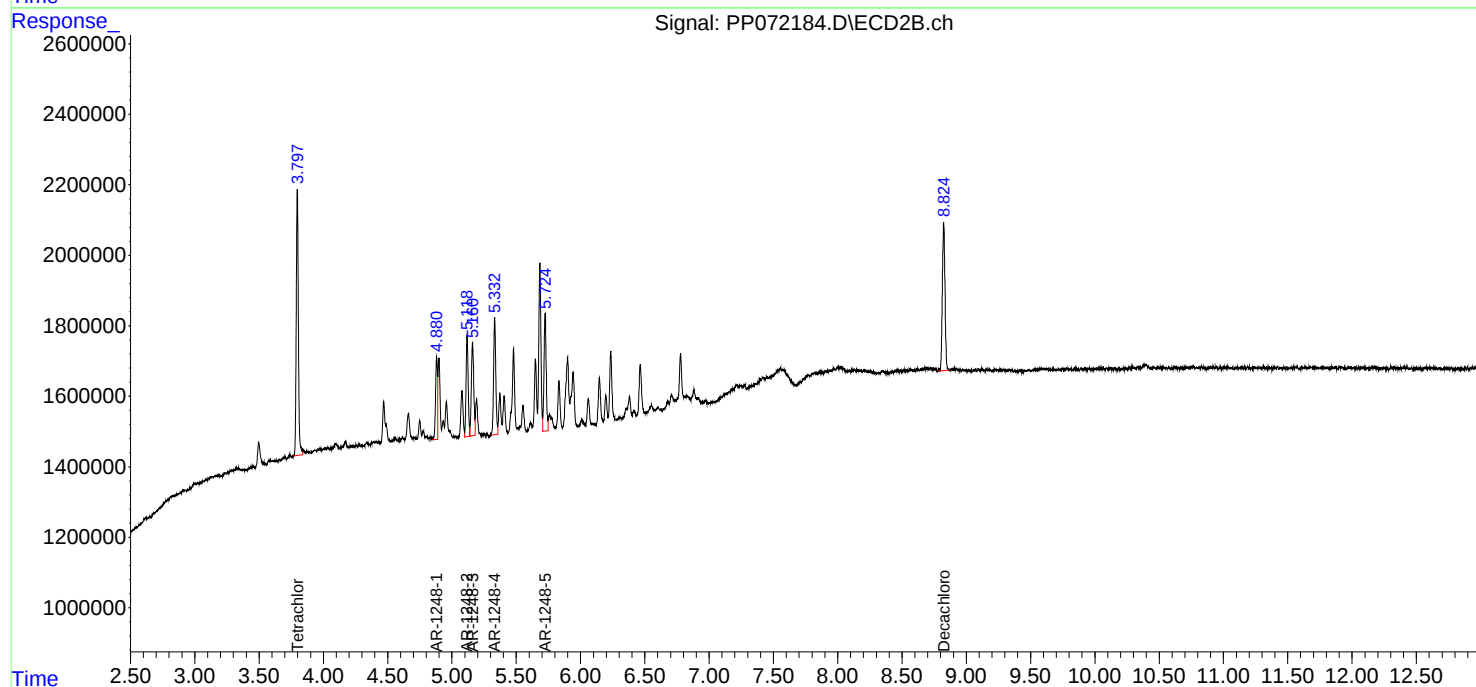
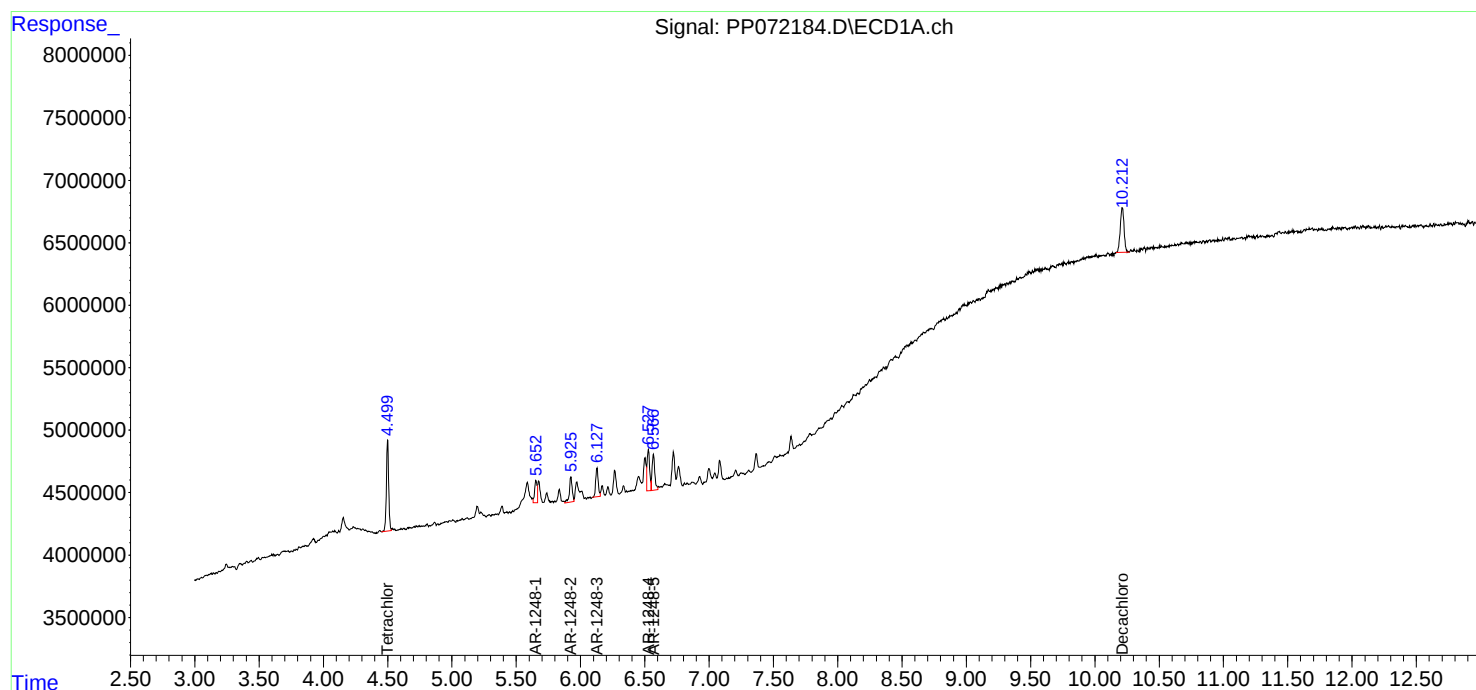
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 15:20:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072185.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 15:42
 Operator : YP\AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 17:56:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 17:50:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.504	3.799	186.9E6	151.6E6	95.813	92.566
2) SA Decachlor...	10.217	8.825	157.7E6	104.9E6	96.583	97.142
Target Compounds						
26) L6 AR-1254-1	6.507	5.685	79792123	88394708	957.230	921.511
27) L6 AR-1254-2	6.724	5.834	120.1E6	75158218	956.365	909.300
28) L6 AR-1254-3	7.088	6.236	124.3E6	118.6E6	963.286	925.888
29) L6 AR-1254-4	7.370	6.465	116.3E6	76184182	966.294	916.589
30) L6 AR-1254-5	7.787	6.883	107.9E6	103.3E6	962.647	923.217

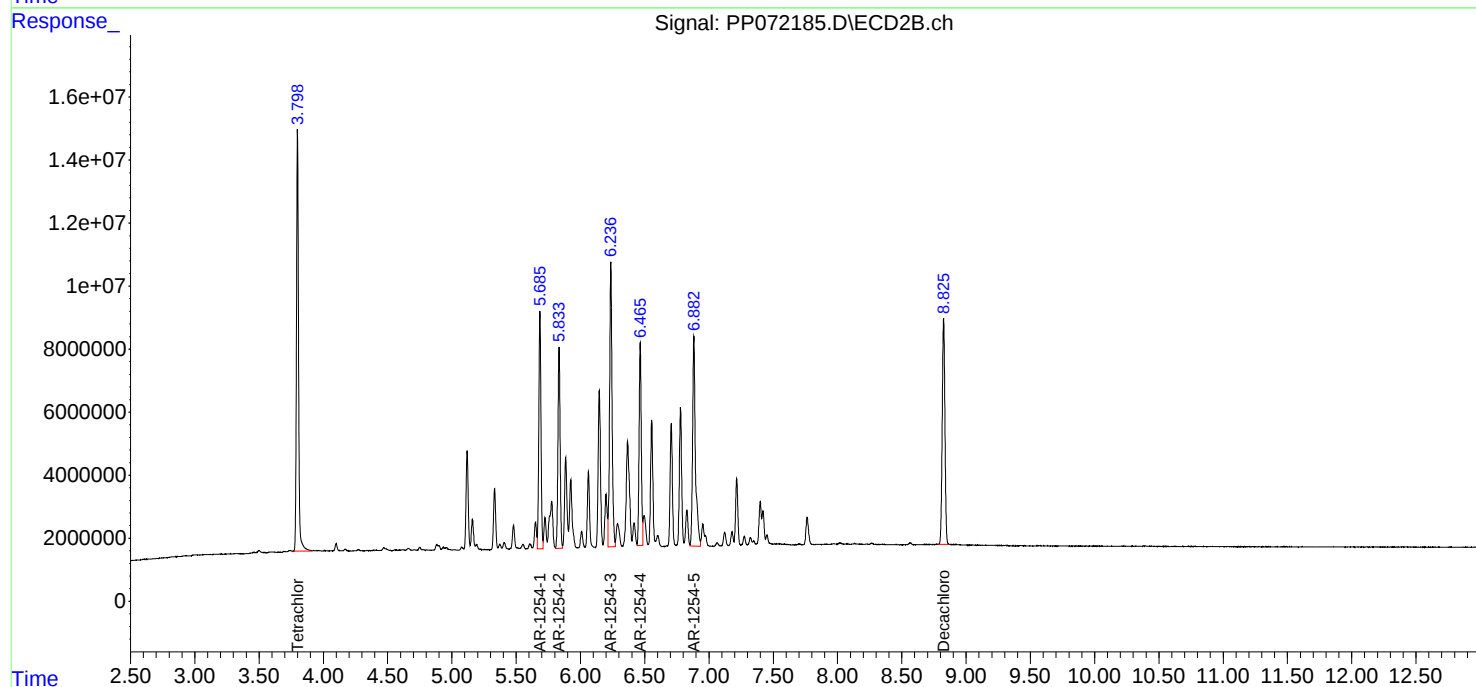
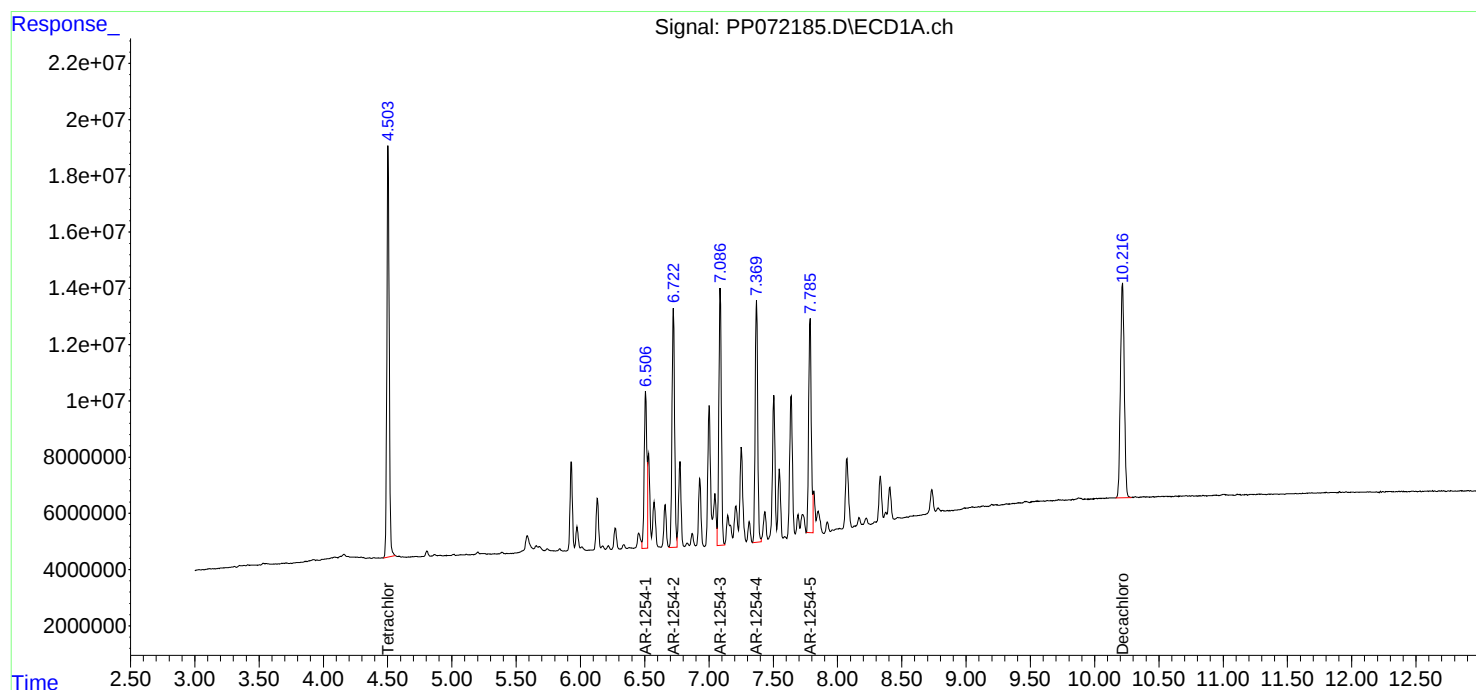
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:42
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:56:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072186.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 15:58
 Operator : YP\AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 18:00:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 17:59:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.504	3.799	146.2E6	125.8E6	74.952	76.204
2) SA Decachlor...	10.217	8.825	121.1E6	81081085	74.439	75.075
Target Compounds						
26) L6 AR-1254-1	6.507	5.685	62087463	69101121	746.549	729.987
27) L6 AR-1254-2	6.723	5.834	93637557	59106174	746.914	726.363
28) L6 AR-1254-3	7.087	6.237	95874547	92318270	745.288	730.264
29) L6 AR-1254-4	7.370	6.465	88913109	59863409	742.441	729.887
30) L6 AR-1254-5	7.786	6.883	84042453	83723123	749.686	748.732

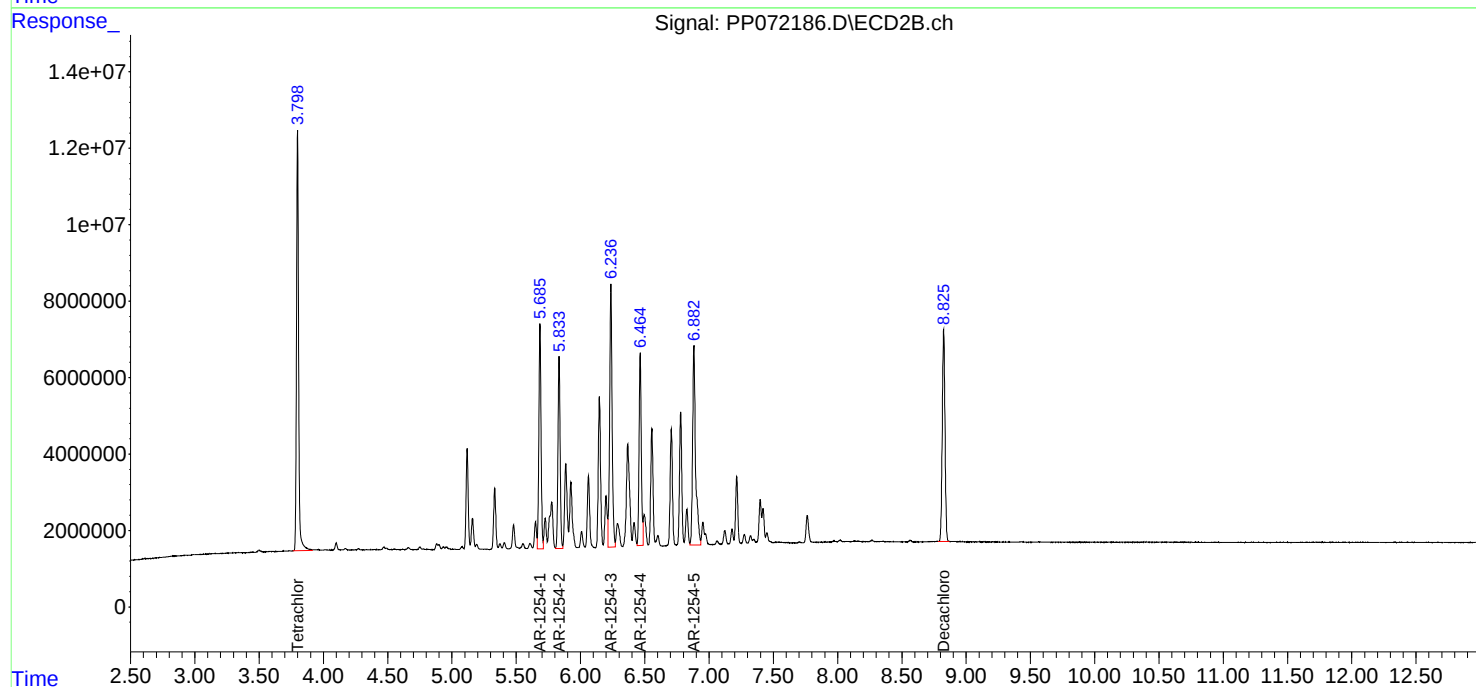
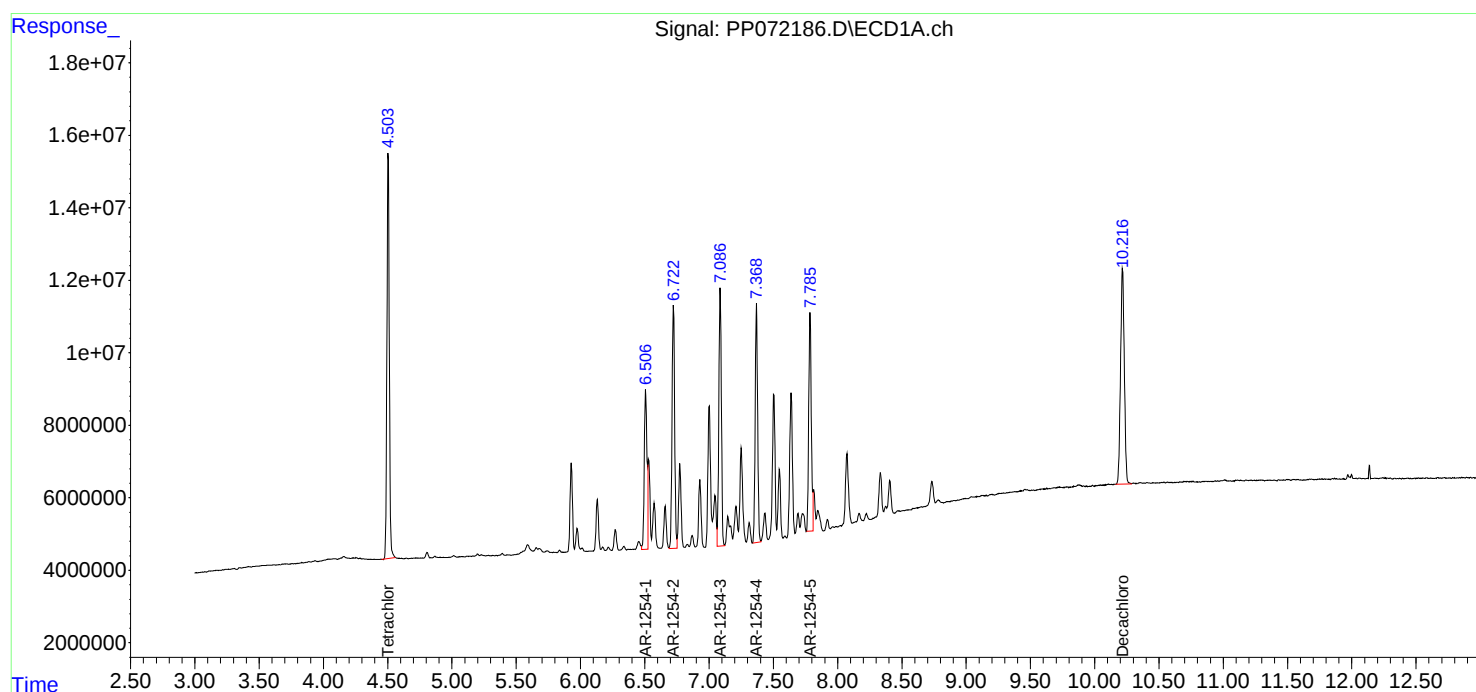
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:58
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:00:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072187.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 16:14
 Operator : YP\AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 17:52:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 17:50:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.503	3.798	101.6E6	87948942	50.000	50.000
2) SA Decachlor...	10.215	8.825	84401769	55516052	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.506	5.685	43461212	51726314	500.000	500.000
27) L6 AR-1254-2	6.723	5.833	65552662	45075919	500.000	500.000
28) L6 AR-1254-3	7.086	6.236	66891427	68786744	500.000	500.000
29) L6 AR-1254-4	7.369	6.465	62209110	45024944	500.000	500.000
30) L6 AR-1254-5	7.785	6.883	58157609	60253702	500.000	500.000

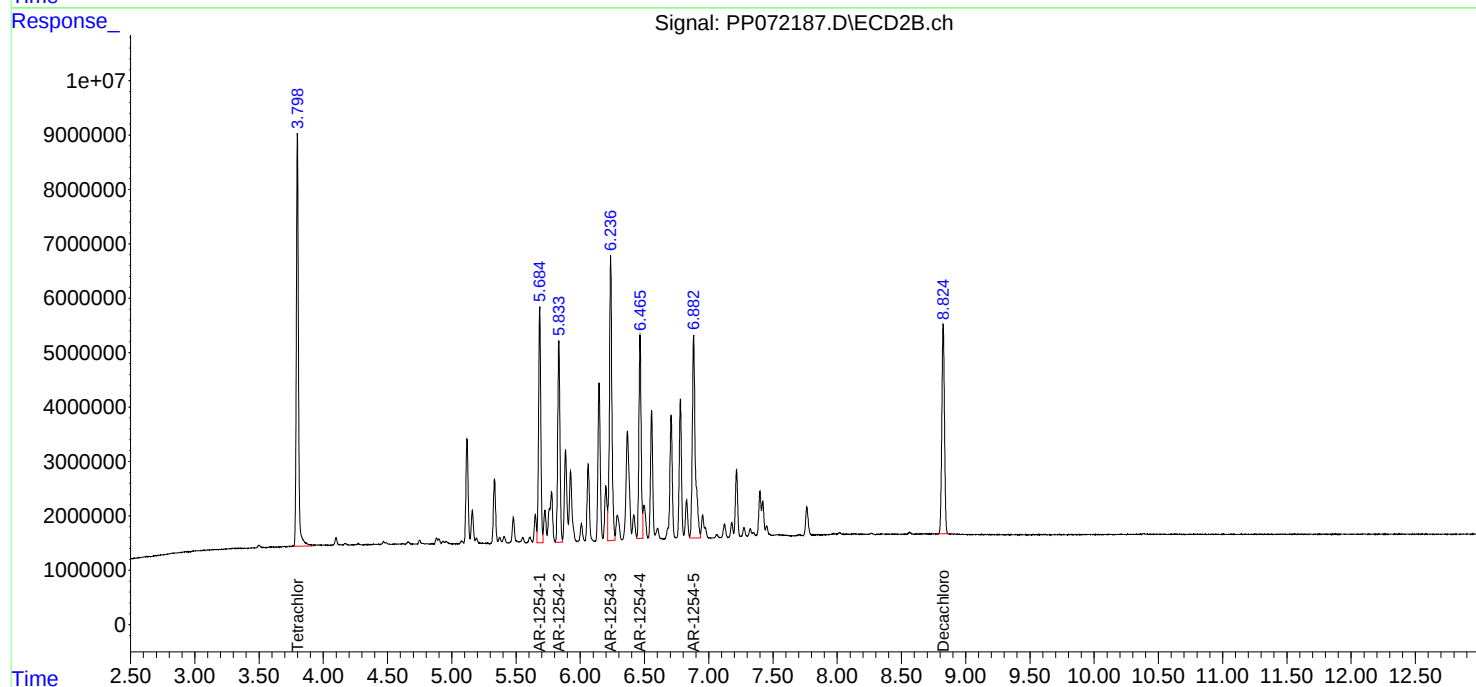
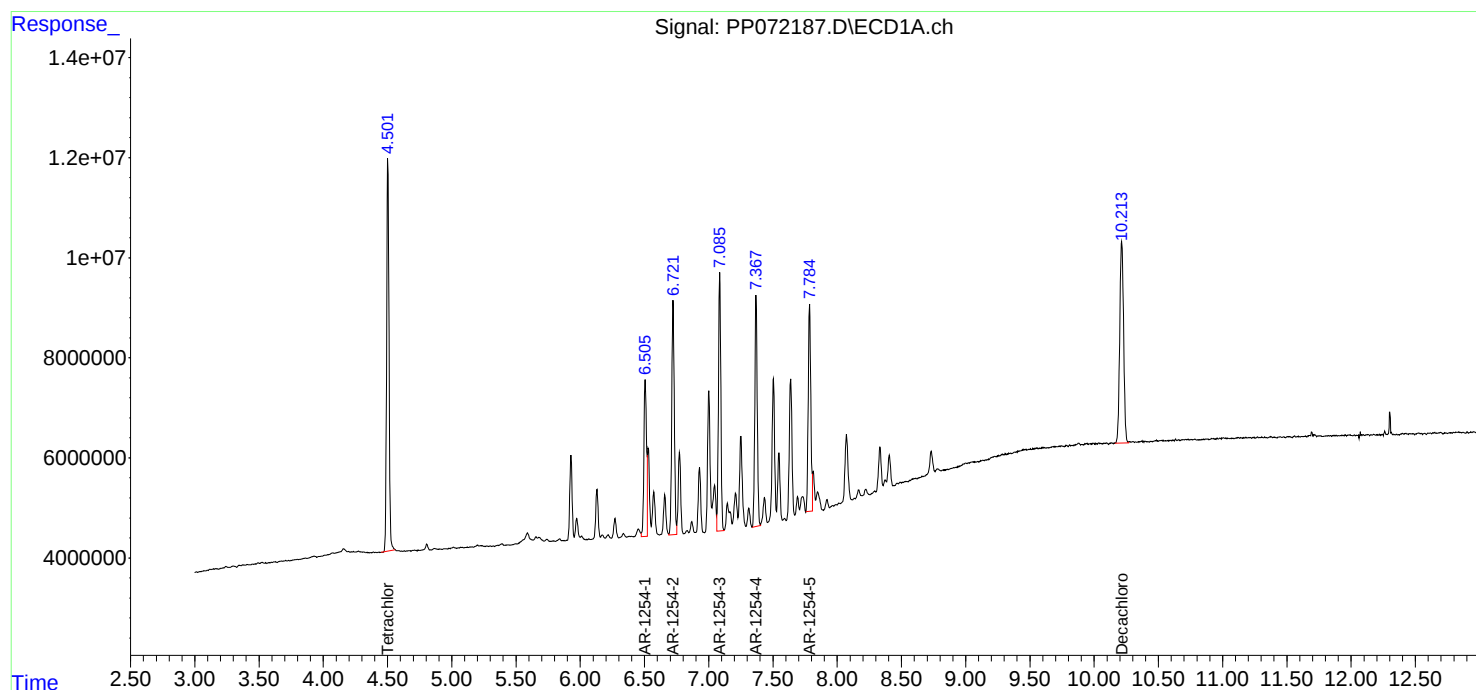
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:14
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 17:52:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:50:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072188.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 16:31
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 18:03:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 17:59:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.503	3.798	51747510	42581151	26.134	25.594
2) SA Decachlor...	10.215	8.825	42700529	30290967	25.932	27.218
Target Compounds						
26) L6 AR-1254-1	6.506	5.685	22921007	27395223	268.725	278.433
27) L6 AR-1254-2	6.722	5.833	33636773	23446738	263.485	277.554
28) L6 AR-1254-3	7.085	6.237	34246078	35238769	261.967	270.959
29) L6 AR-1254-4	7.369	6.465	34017428	23090909	274.698	272.930
30) L6 AR-1254-5	7.785	6.883	29284530	30214333	258.327	264.854

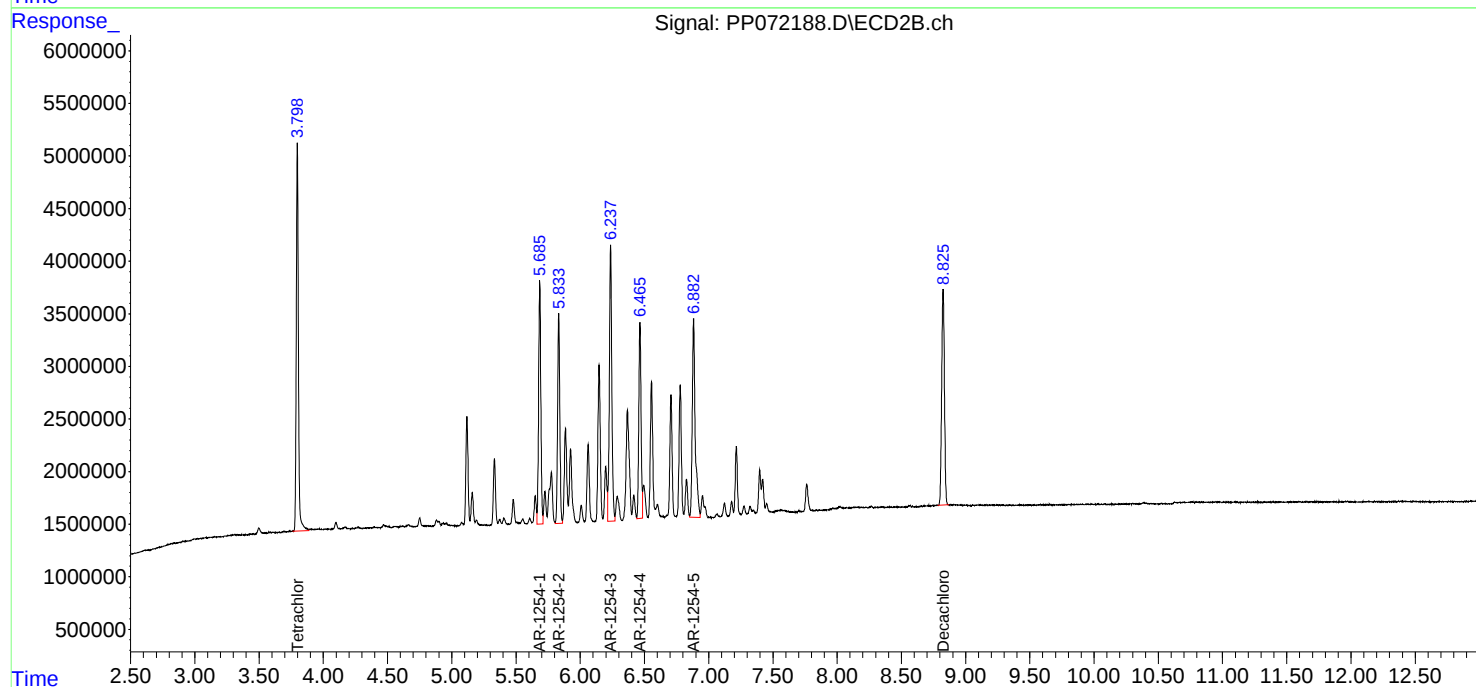
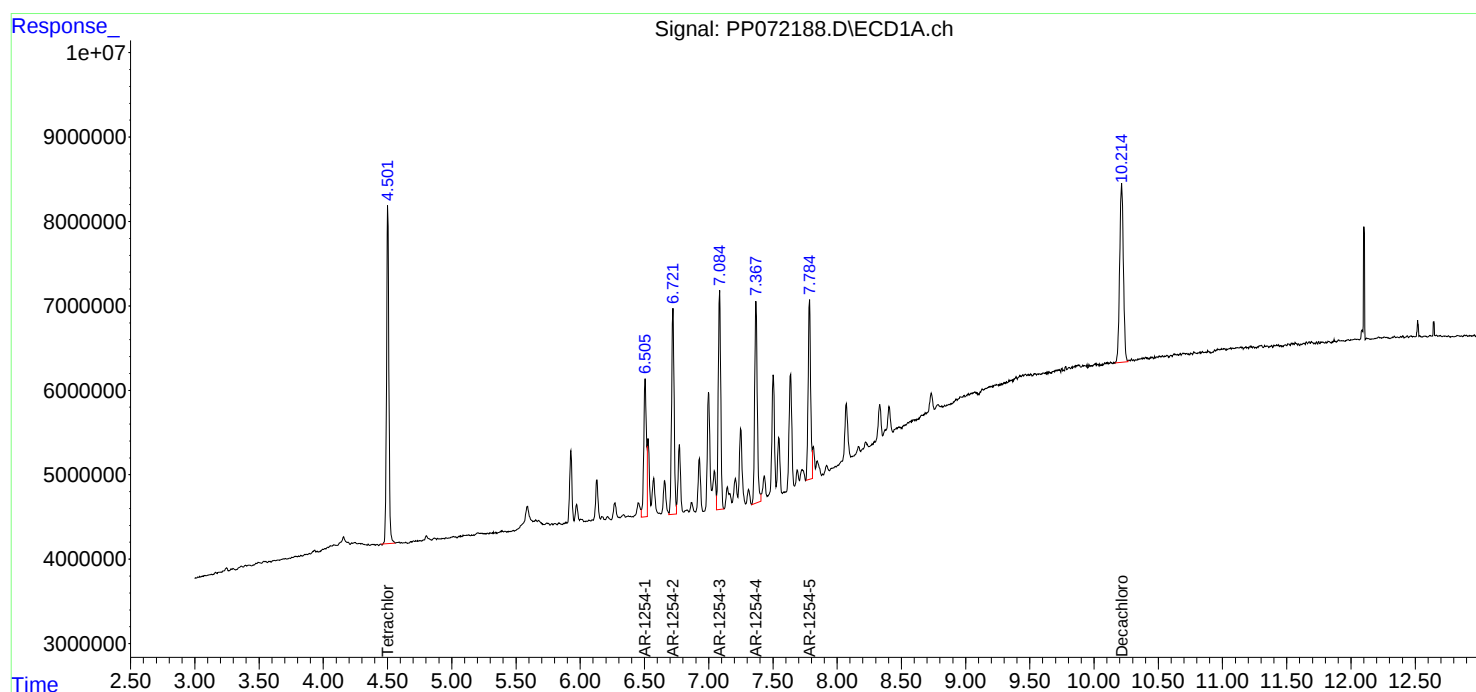
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:31
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:03:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072189.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 16:47
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/20/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 18:06:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon May 19 17:59:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.503	3.797	8087682	6971899	4.231m	4.331m
2) SA Decachlor...	10.218	8.826	7375422	5691115	4.574	5.091
Target Compounds						
26) L6 AR-1254-1	6.507	5.686	4441722	5310413	51.935m	53.128
27) L6 AR-1254-2	6.724	5.834	7137094	4681467	54.616	54.242
28) L6 AR-1254-3	7.088	6.237	6855410	6144757	51.934	47.774
29) L6 AR-1254-4	7.370	6.466	7860526	4403320	60.049m	52.100m
30) L6 AR-1254-5	7.788	6.883	5139236	5522061	46.197	48.716

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:47
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

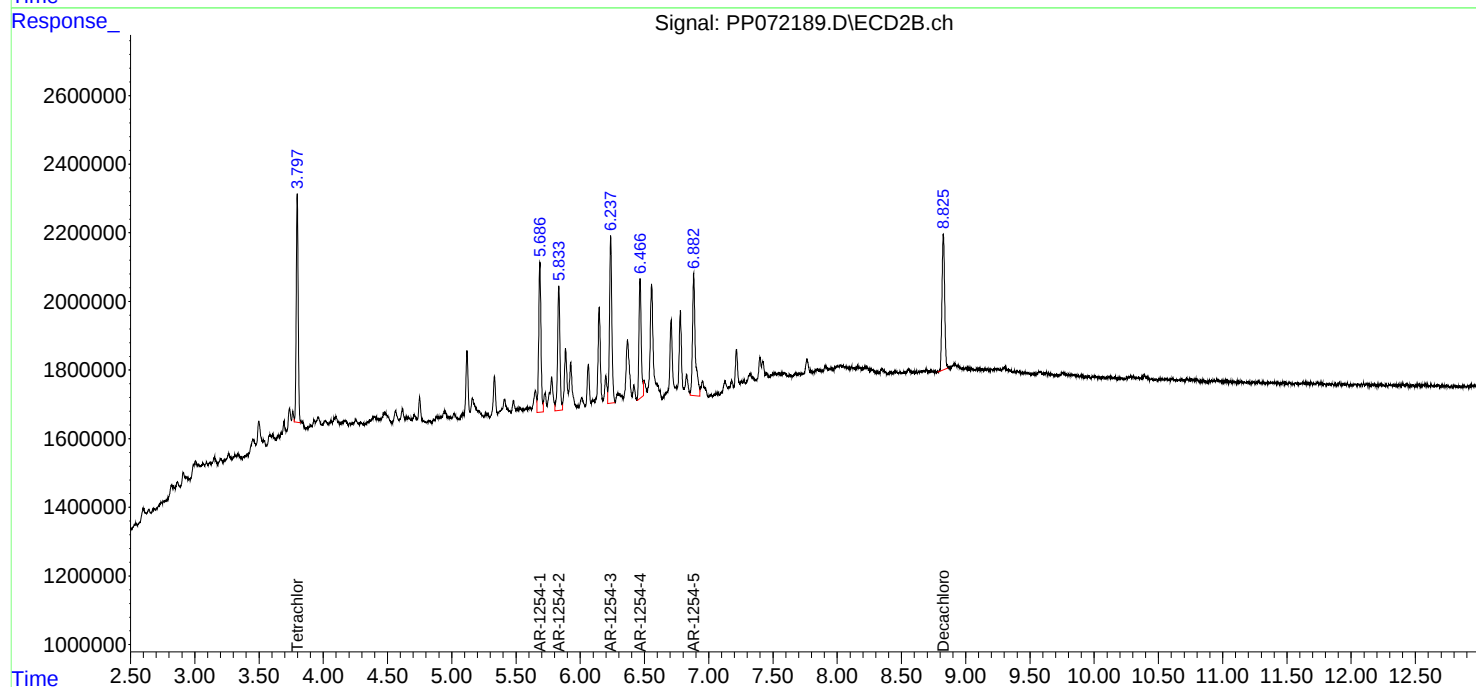
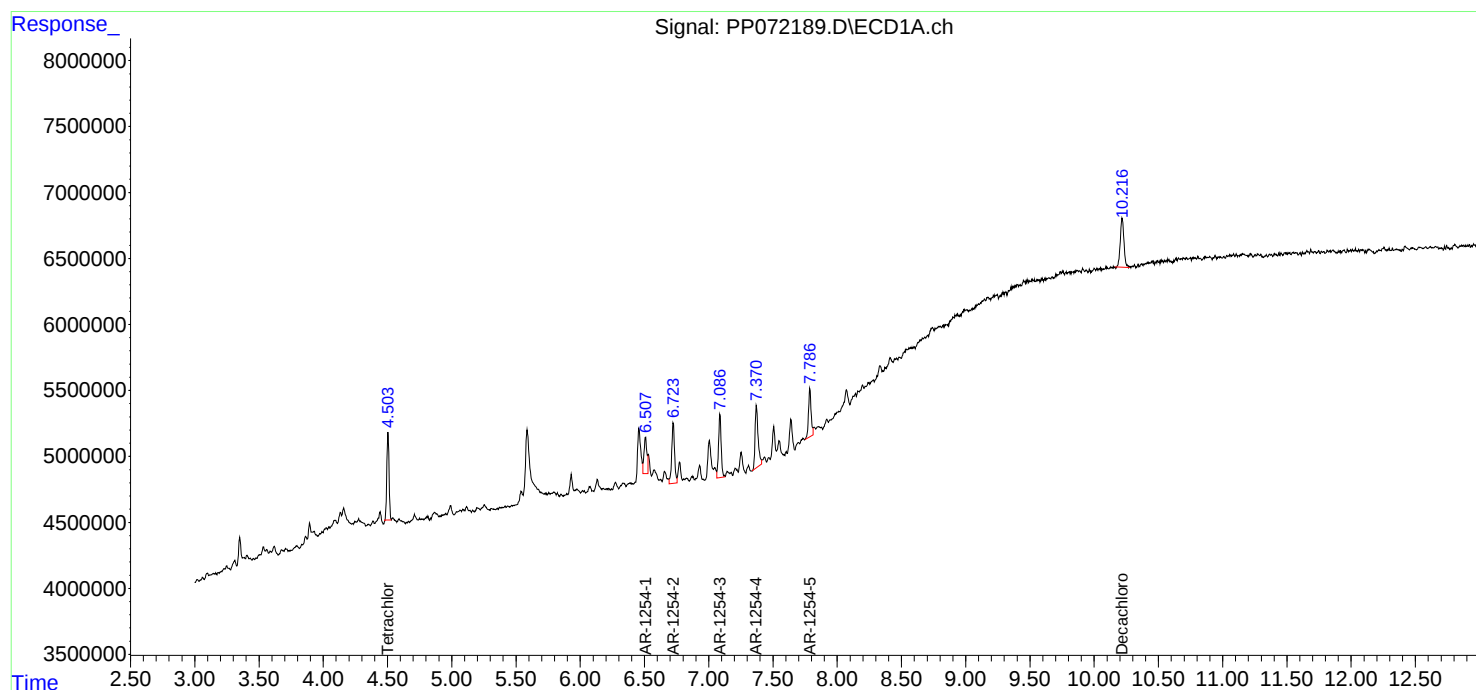
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 18:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon May 19 17:59:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072190.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 17:03
 Operator : YP\AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 02:51:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 02:50:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.503	3.798	91392014	72543788	50.000	50.000
2) SA Decachlor...	10.218	8.826	79498650	53689400	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	8.088	6.920	66622555	56514187	500.000	500.000
37) L8 AR-1262-2	8.408	7.179	136.2E6	48563462	500.000	500.000
38) L8 AR-1262-3	8.724	7.703	92764853	40765600	500.000	500.000
39) L8 AR-1262-4	8.809	7.767	67140472	70312088	500.000	500.000
40) L8 AR-1262-5	9.464	8.267	46230270	32541912	500.000	500.000

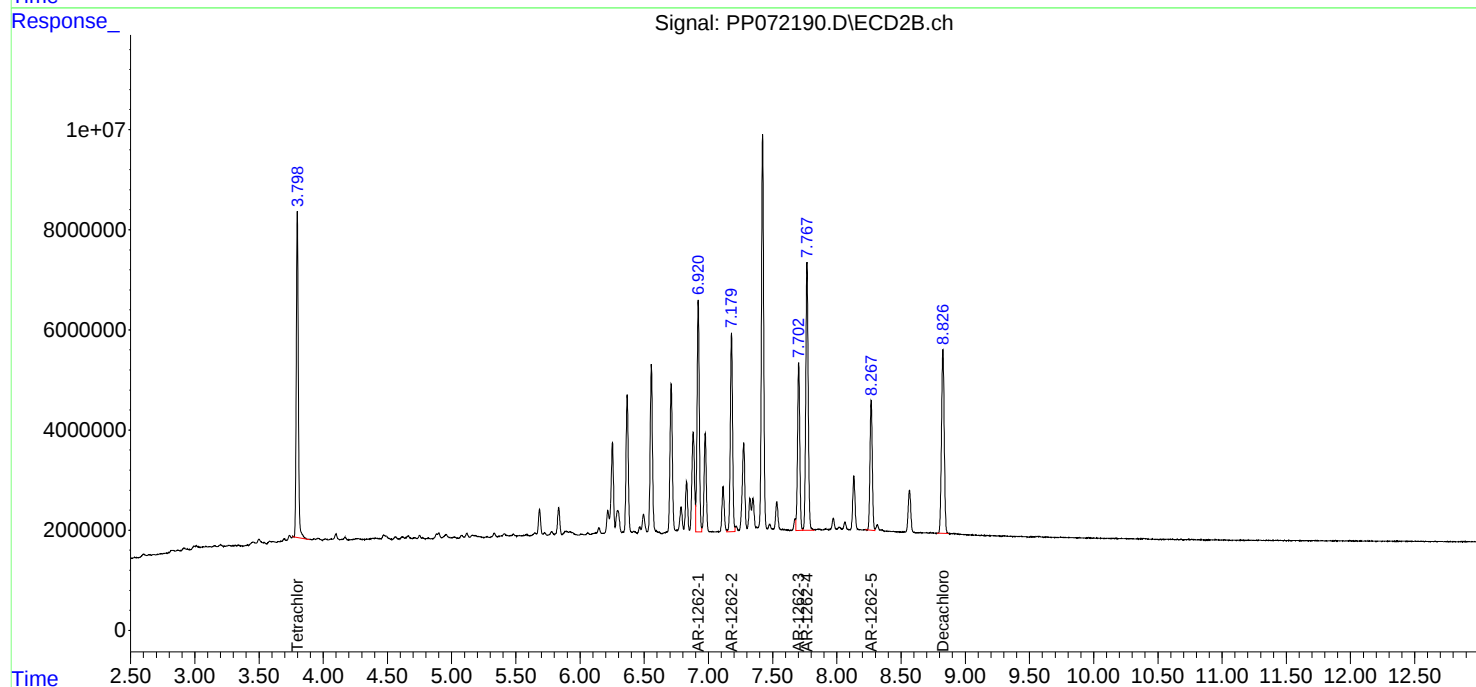
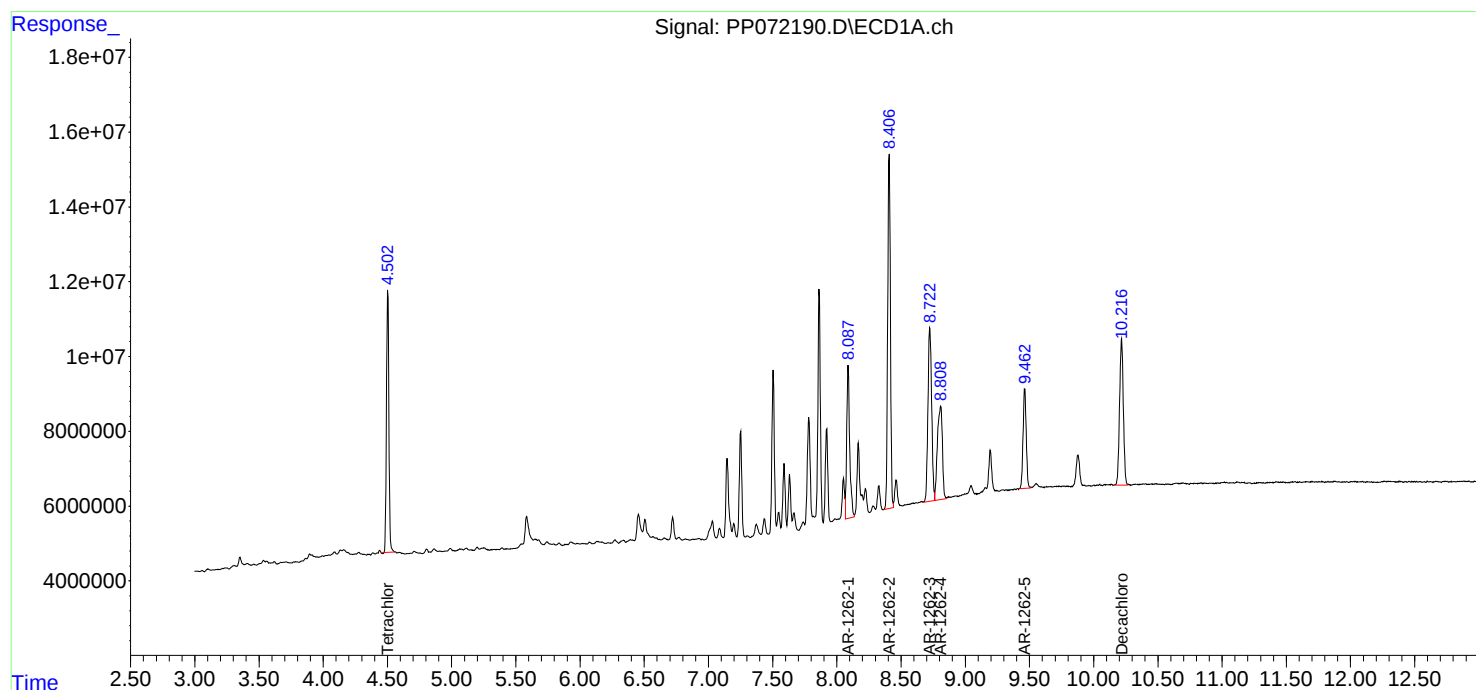
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:03
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:51:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 02:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072191.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 17:20
 Operator : YP\AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:11:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:10:31 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...	4.501	3.797	185.0E6	158.2E6	92.680	95.879
2) SA Decachlor...	10.215	8.825	273.4E6	175.4E6	93.047	92.198
Target Compounds						
41) L9 AR-1268-1	8.718	7.702	315.7E6	212.6E6	935.036	901.670
42) L9 AR-1268-2	8.810	7.768	265.9E6	188.5E6	932.233	904.684
43) L9 AR-1268-3	9.041	7.971	228.0E6	155.2E6	921.986	888.508
44) L9 AR-1268-4	9.460	8.265	101.4E6	67370219	939.092	900.009
45) L9 AR-1268-5	9.876	8.565	651.5E6	431.1E6	948.441	943.171

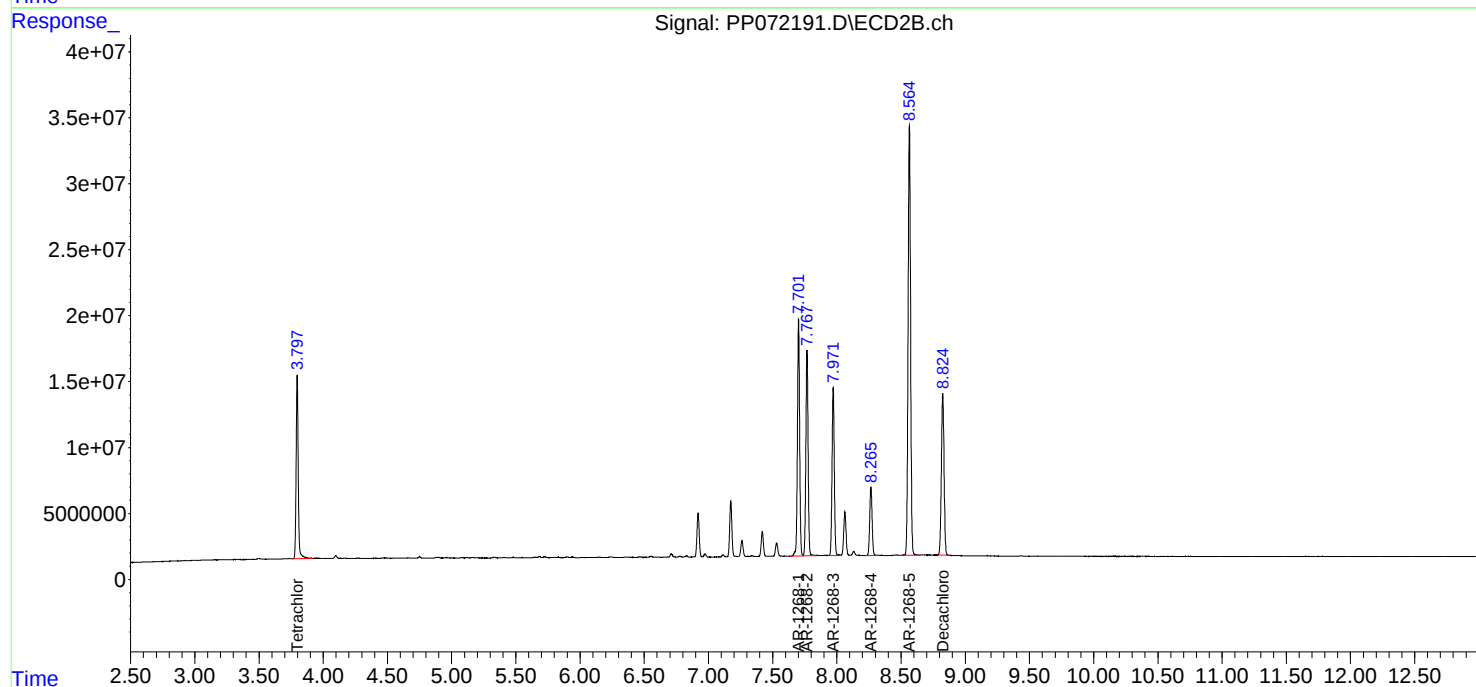
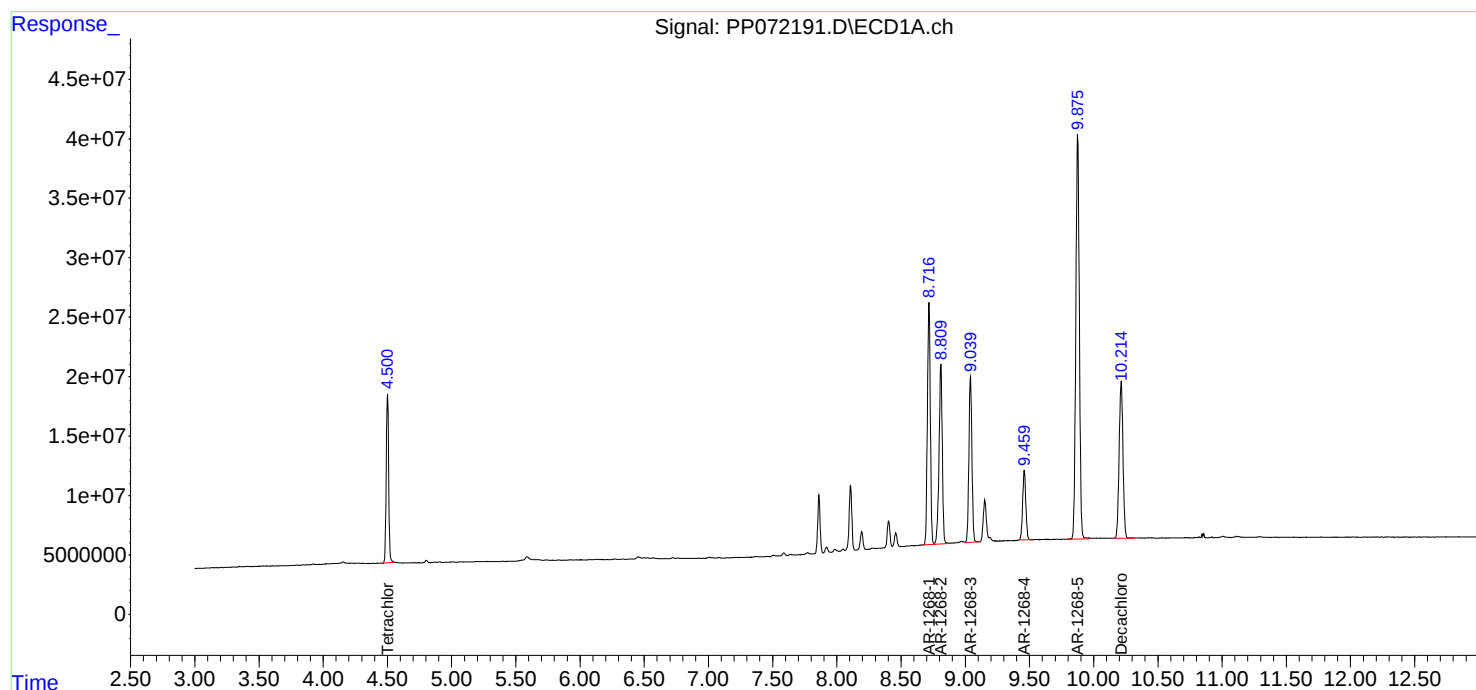
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:20
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072192.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 17:36
 Operator : YP\AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:11:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:10:31 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...	4.506	3.799	142.5E6	120.3E6	71.406	72.929
2) SA Decachlor...	10.220	8.826	211.2E6	136.5E6	71.876	71.762
Target Compounds						
41) L9 AR-1268-1	8.722	7.704	242.2E6	166.8E6	717.436	707.258
42) L9 AR-1268-2	8.815	7.770	204.3E6	147.7E6	716.226	708.741
43) L9 AR-1268-3	9.047	7.973	176.3E6	120.8E6	713.088	691.459
44) L9 AR-1268-4	9.464	8.267	78574325	53264333	727.753	711.566
45) L9 AR-1268-5	9.880	8.568	500.4E6	332.1E6	728.402	726.669

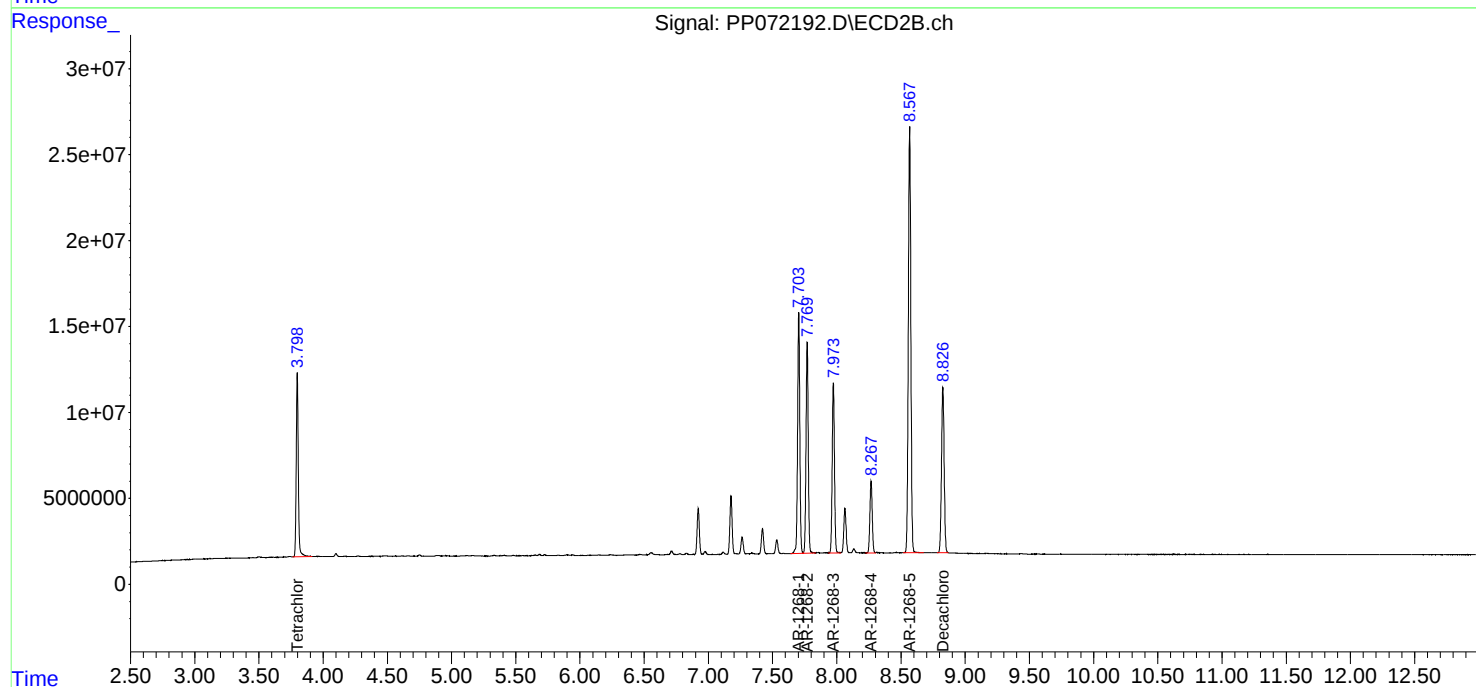
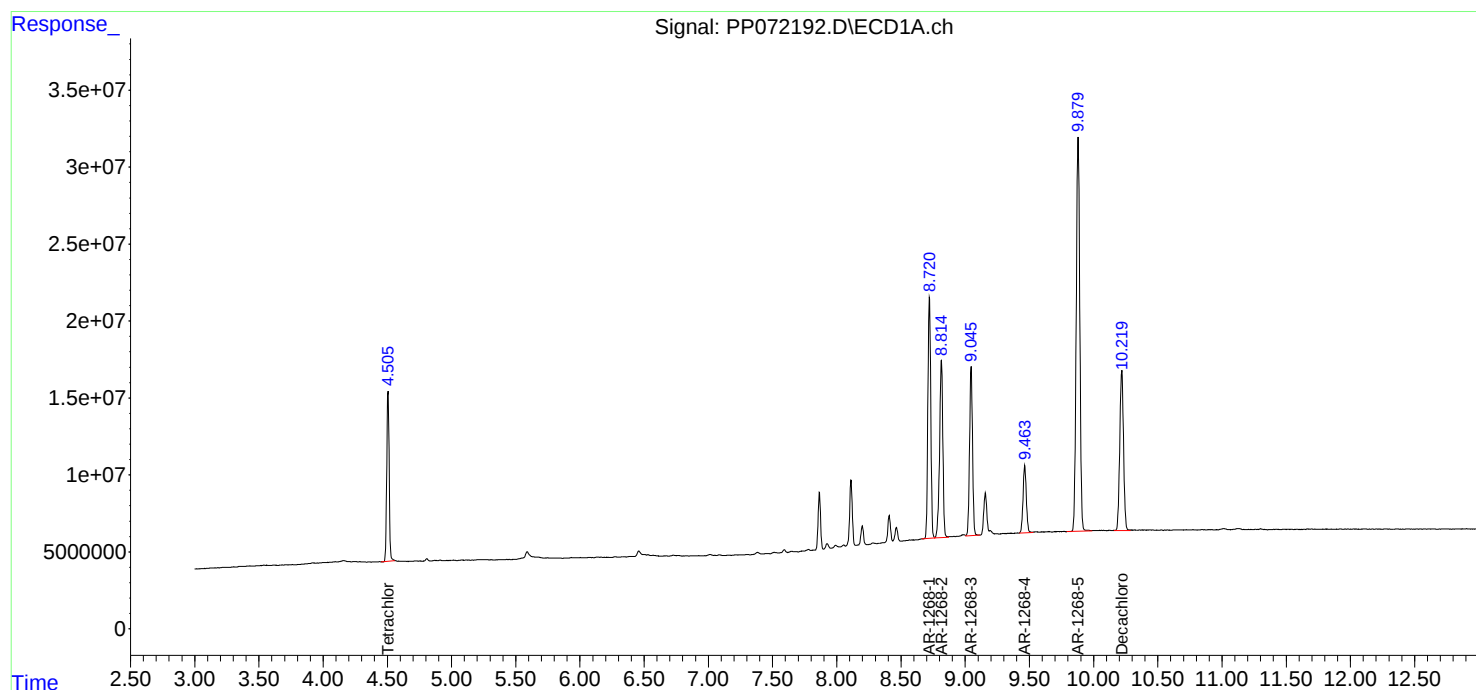
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:36
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072193.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 17:53
 Operator : YP\AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:11:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:10:31 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...	4.502	3.799	99784961	82481825	50.000	50.000
2) SA Decachlor...	10.215	8.826	146.9E6	95120098	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.719	7.703	168.8E6	117.9E6	500.000	500.000
42) L9 AR-1268-2	8.812	7.769	142.6E6	104.2E6	500.000	500.000
43) L9 AR-1268-3	9.042	7.972	123.6E6	87334730	500.000	500.000
44) L9 AR-1268-4	9.461	8.267	53984174	37427536	500.000	500.000
45) L9 AR-1268-5	9.876	8.566	343.5E6	228.5E6	500.000	500.000

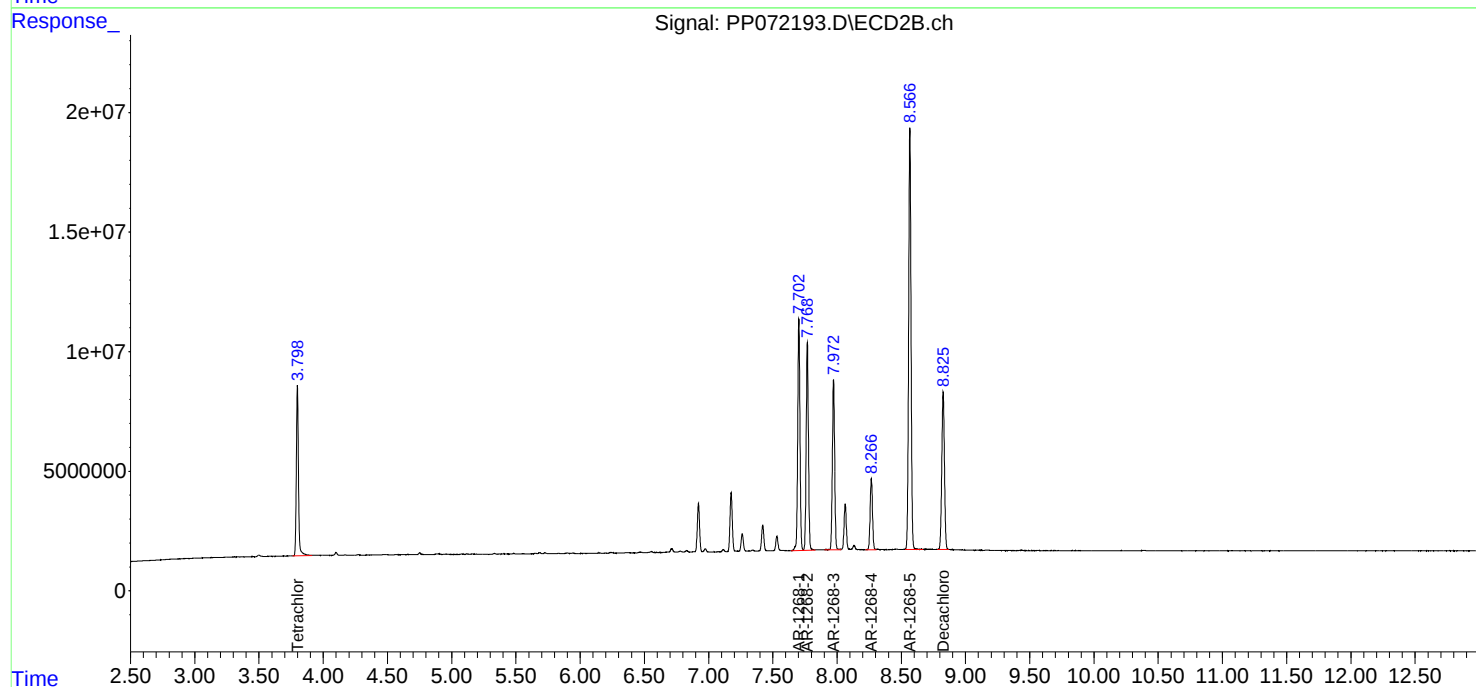
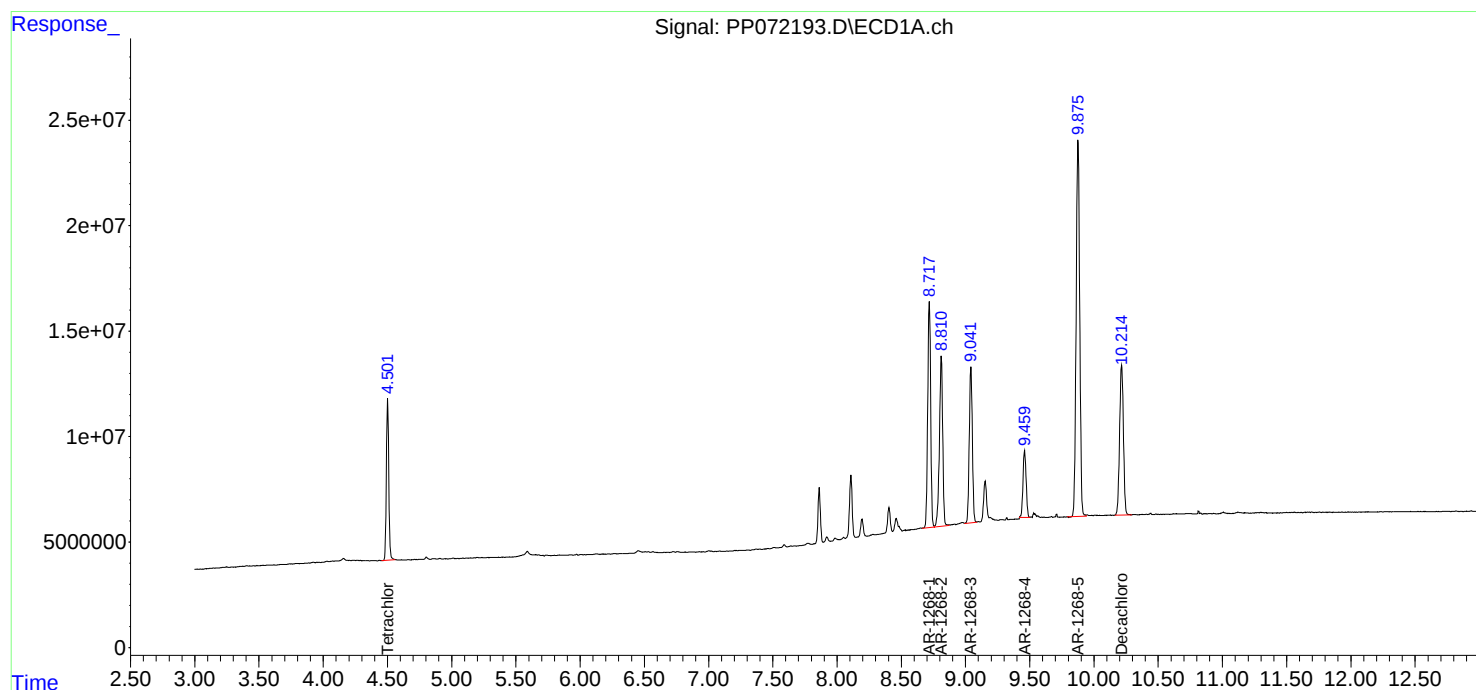
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:11:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072194.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 18:09
 Operator : YP\AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:12:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:10:31 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...	4.501	3.797	51365767	41558561	25.738	25.193
2) SA Decachlor...	10.214	8.824	75968459	49150807	25.857	25.836
Target Compounds						
41) L9 AR-1268-1	8.717	7.702	87839198	60916157	260.167	258.370
42) L9 AR-1268-2	8.811	7.767	74121995	54415434	259.881	261.123
43) L9 AR-1268-3	9.040	7.971	63936897	44168578	258.592	252.869
44) L9 AR-1268-4	9.459	8.265	27090074	19140648	250.908	255.703
45) L9 AR-1268-5	9.875	8.565	176.6E6	115.4E6	257.058	252.589

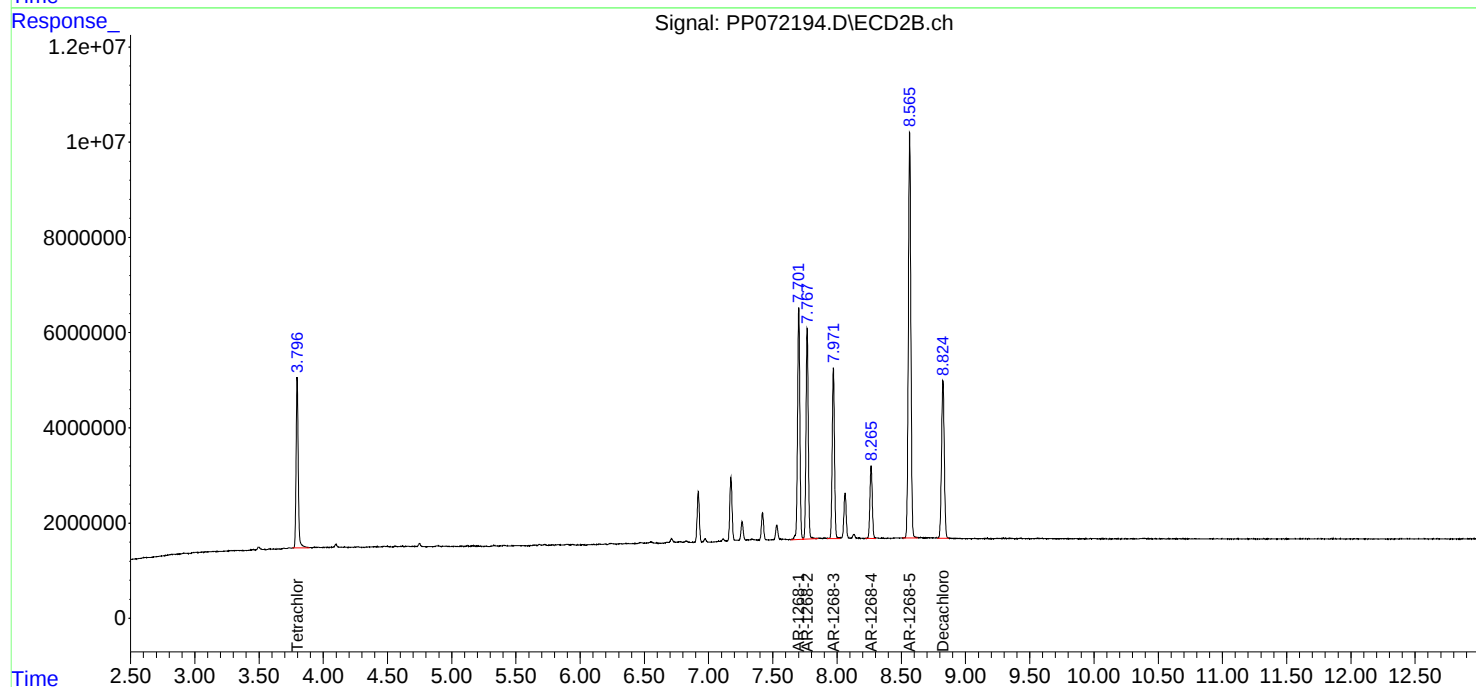
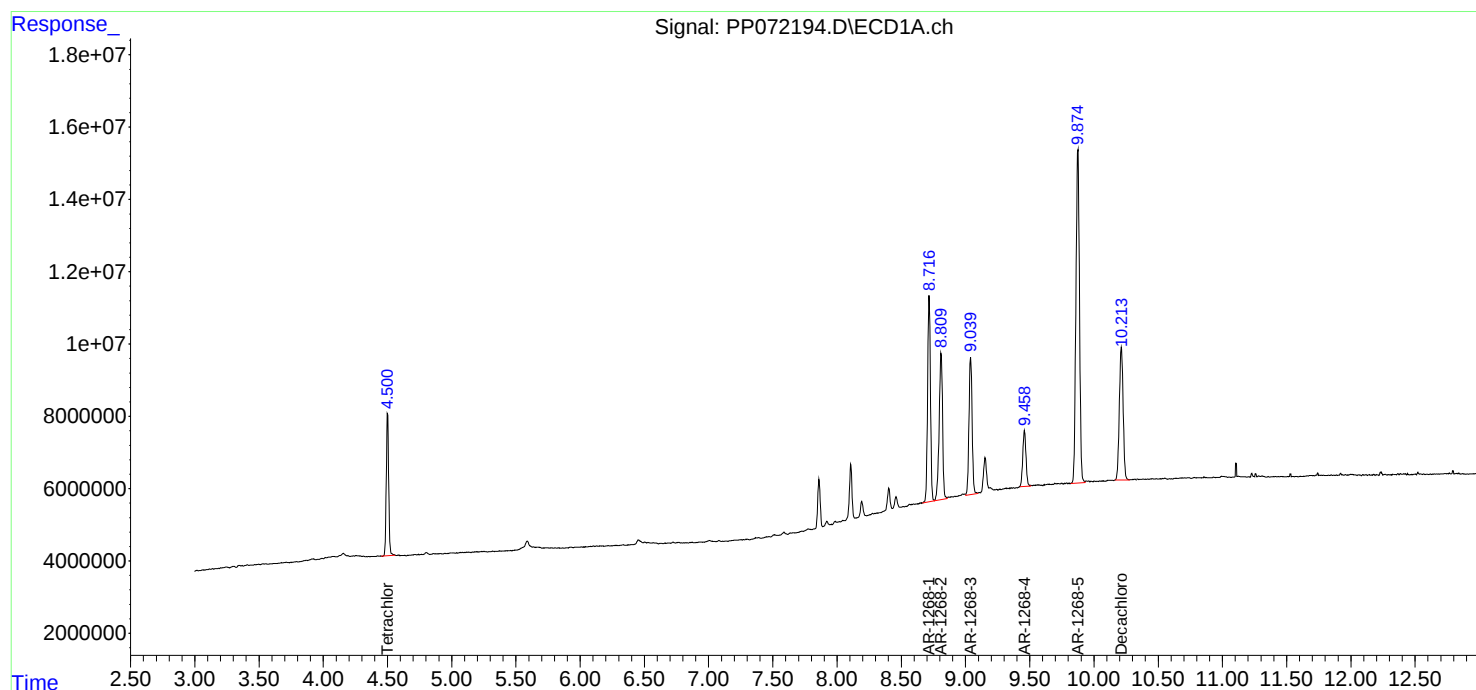
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:09
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072195.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 18:25
 Operator : YP\AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/20/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:12:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:10:31 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...	4.503	3.797	8721682	7491150	4.370m	4.541
2) SA Decachlor...	10.218	8.823	13183771	10651243	4.487	5.599
Target Compounds						
41) L9 AR-1268-1	8.720	7.701	16905769	12836464	50.072m	54.445
42) L9 AR-1268-2	8.814	7.768	13998978	11129718	49.082	53.408
43) L9 AR-1268-3	9.045	7.971	12064238	8963951	48.794	51.320
44) L9 AR-1268-4	9.464	8.265	5112737	3748876	47.354	50.082
45) L9 AR-1268-5	9.878	8.565	33648372	24605969	48.982	53.838

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:25
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

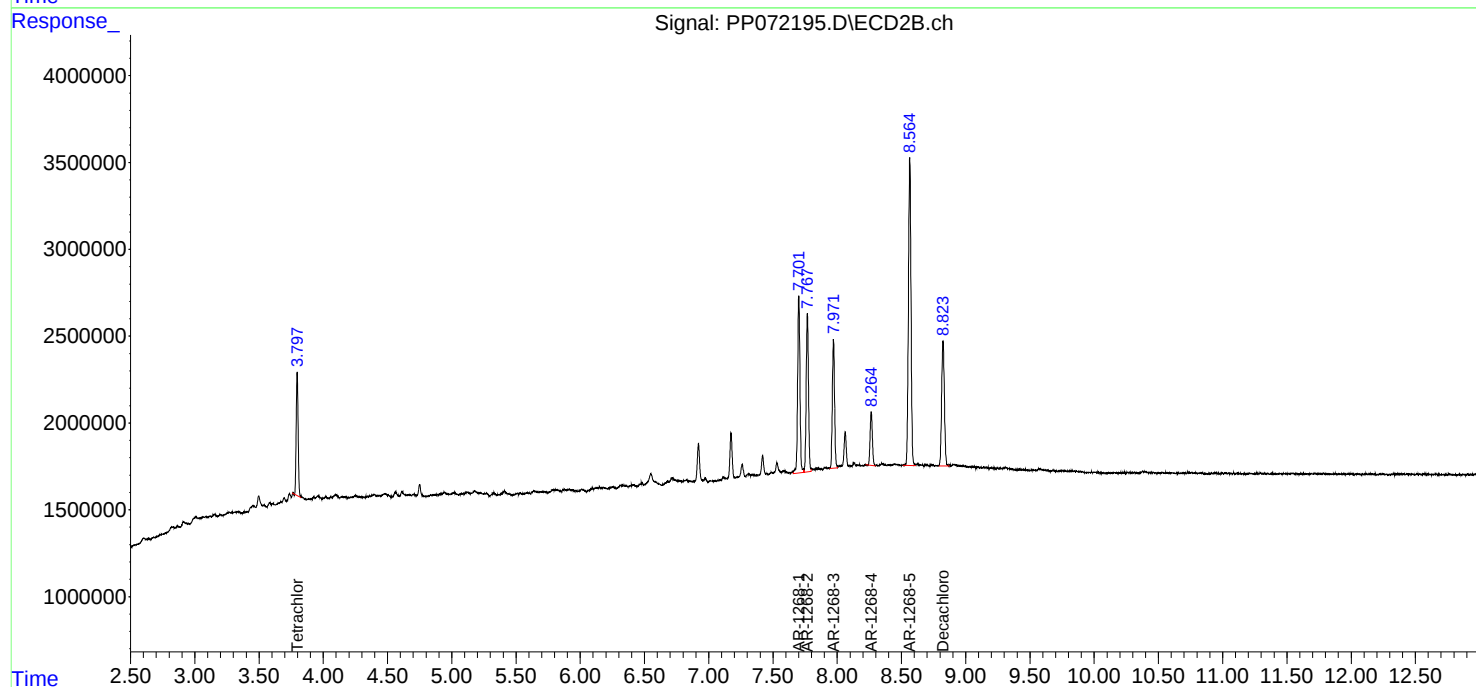
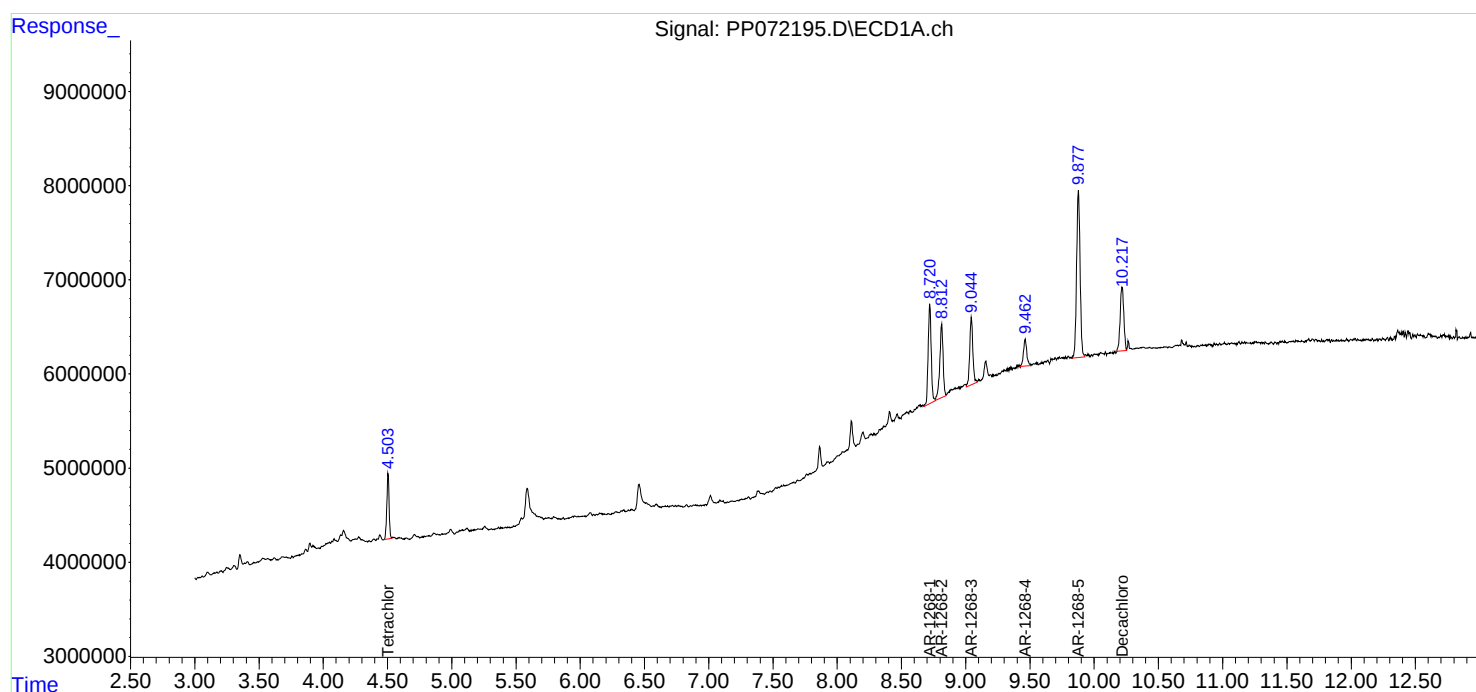
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/20/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:10:31 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072196.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 18:42
 Operator : YP\AJ
 Sample : PP051925ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP051925

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:36:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:29:33 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...	4.502	3.798	95813360	75129300	47.649	47.004
2) SA Decachlor...	10.216	8.825	78897811	55159923	48.430	52.106
Target Compounds						
3) L1 AR-1016-1	5.656	4.882	34275021	28415442	456.491	462.570
4) L1 AR-1016-2	5.677	4.900	52043054	40409419	486.422	460.300
5) L1 AR-1016-3	5.739	5.077	30972988	22233290	472.402	466.552
6) L1 AR-1016-4	5.837	5.120	26002231	17703522	488.122	465.327
7) L1 AR-1016-5	6.130	5.333	22892152	23633981	468.054	474.345
31) L7 AR-1260-1	7.250	6.367	45618683	37214670	487.406	466.620
32) L7 AR-1260-2	7.503	6.556	68966981	45298985	480.641	446.638
33) L7 AR-1260-3	7.861	6.709	56600304	41944639	497.057	482.664
34) L7 AR-1260-4	8.086	7.179	54236593	34998898	505.455	485.483
35) L7 AR-1260-5	8.405	7.421	116.3E6	86272130	491.560	496.891

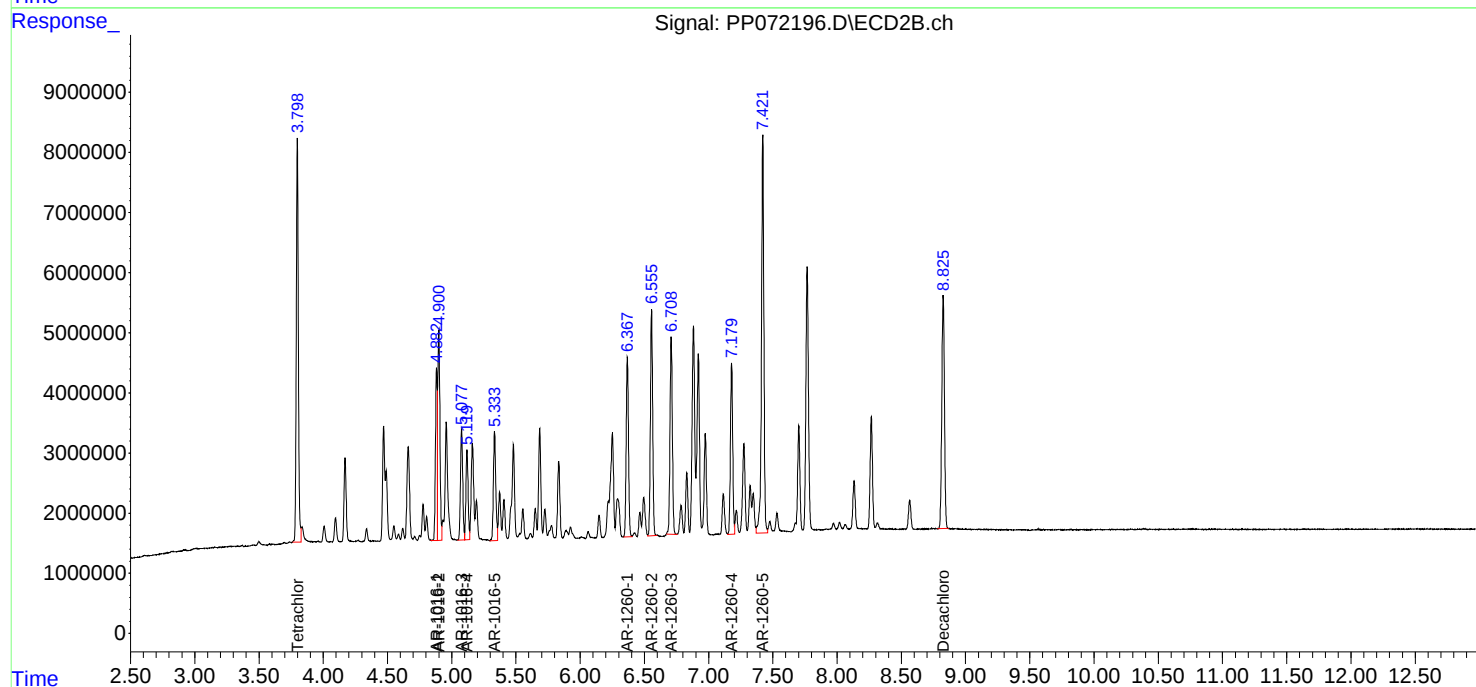
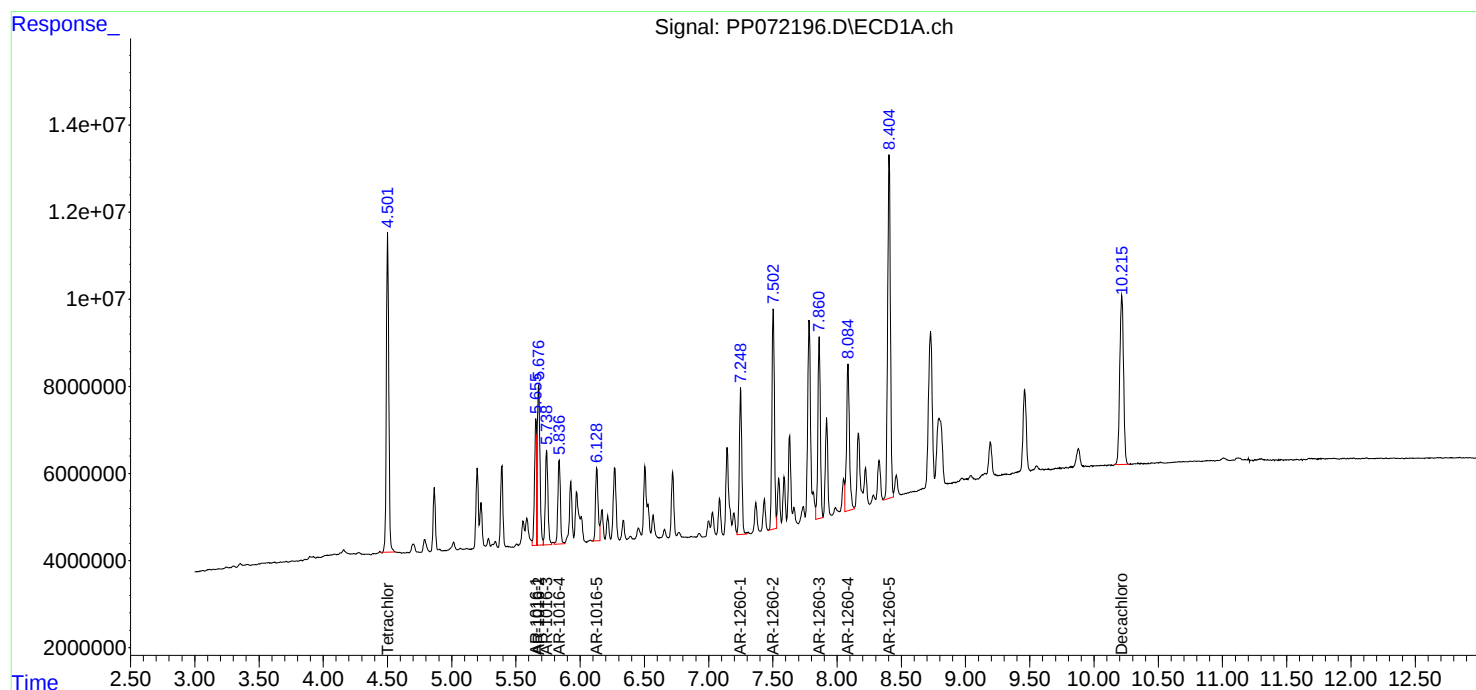
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:42
Operator : YP\AJ
Sample : PP051925ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:36:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072197.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 19:14
 Operator : YP\AJ
 Sample : AR1232ICV500
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP051925AR1232

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:37:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:29:33 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...	4.504	3.798	99088078	76822954	49.278	48.064
2) SA Decachlor...	10.217	8.824	80208843	53006313	49.234	50.072
Target Compounds						
11) L3 AR-1232-1	4.867	4.169	22860124	20991950	485.266	484.304
12) L3 AR-1232-2	5.392	4.899	11426080	20405975	490.744	461.875
13) L3 AR-1232-3	5.679	5.076	24392843	11207066	487.242	479.281
14) L3 AR-1232-4	5.839	5.159	11984156	9670115	477.474	466.701
15) L3 AR-1232-5	5.929	5.332	8016086	10482162	457.551	452.707

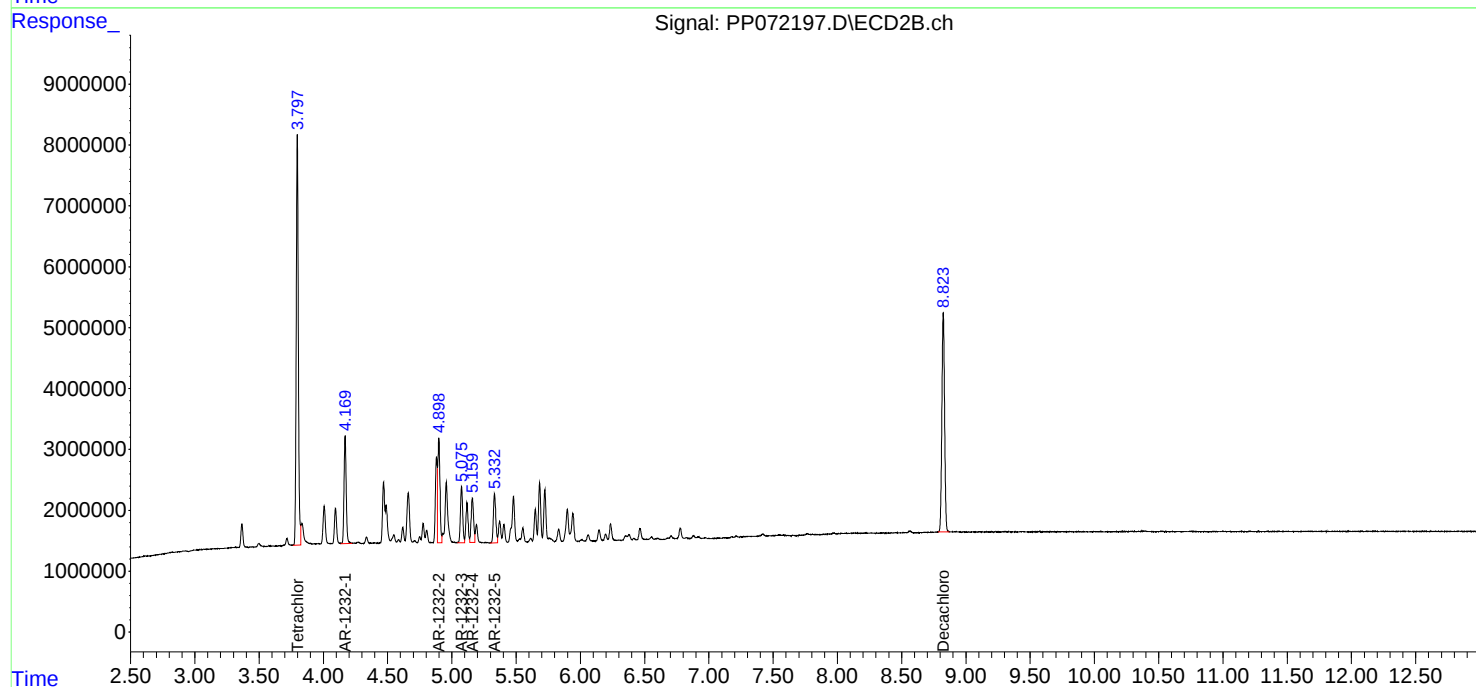
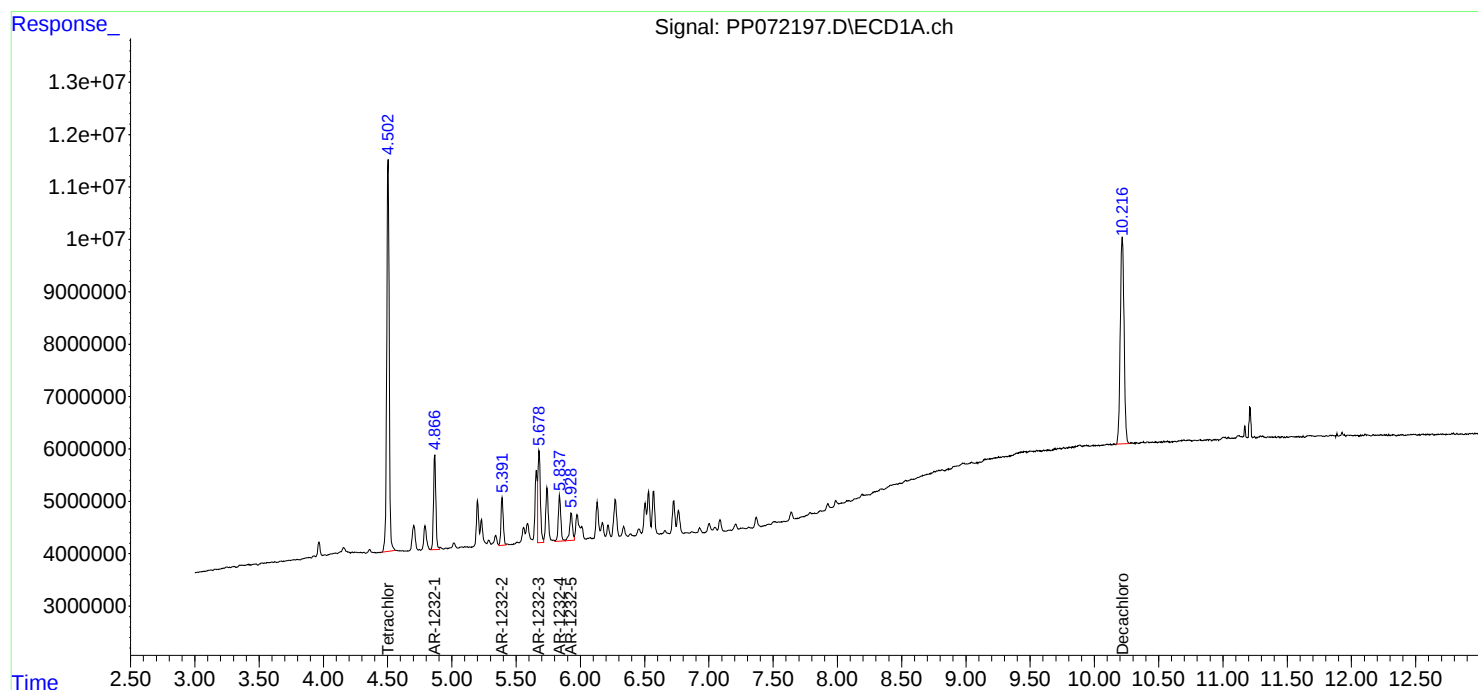
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:14
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072198.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 19:47
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP051925AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:37:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:29:33 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...	4.501	3.798	96787545	76508111	48.134	47.867
2) SA Decachlor...	10.213	8.825	81177144	55473433	49.829	52.403
Target Compounds						
16) L4 AR-1242-1	5.655	4.882	30009936	25988486	479.412	498.739
17) L4 AR-1242-2	5.676	4.900	44873042	37823387	517.091	514.630
18) L4 AR-1242-3	5.739	5.077	26969959	20511520	489.776	524.249
19) L4 AR-1242-4	5.836	5.161	22146348	19605635	499.365	521.665
20) L4 AR-1242-5	6.567	5.684	24841123	25039100	487.226	518.863

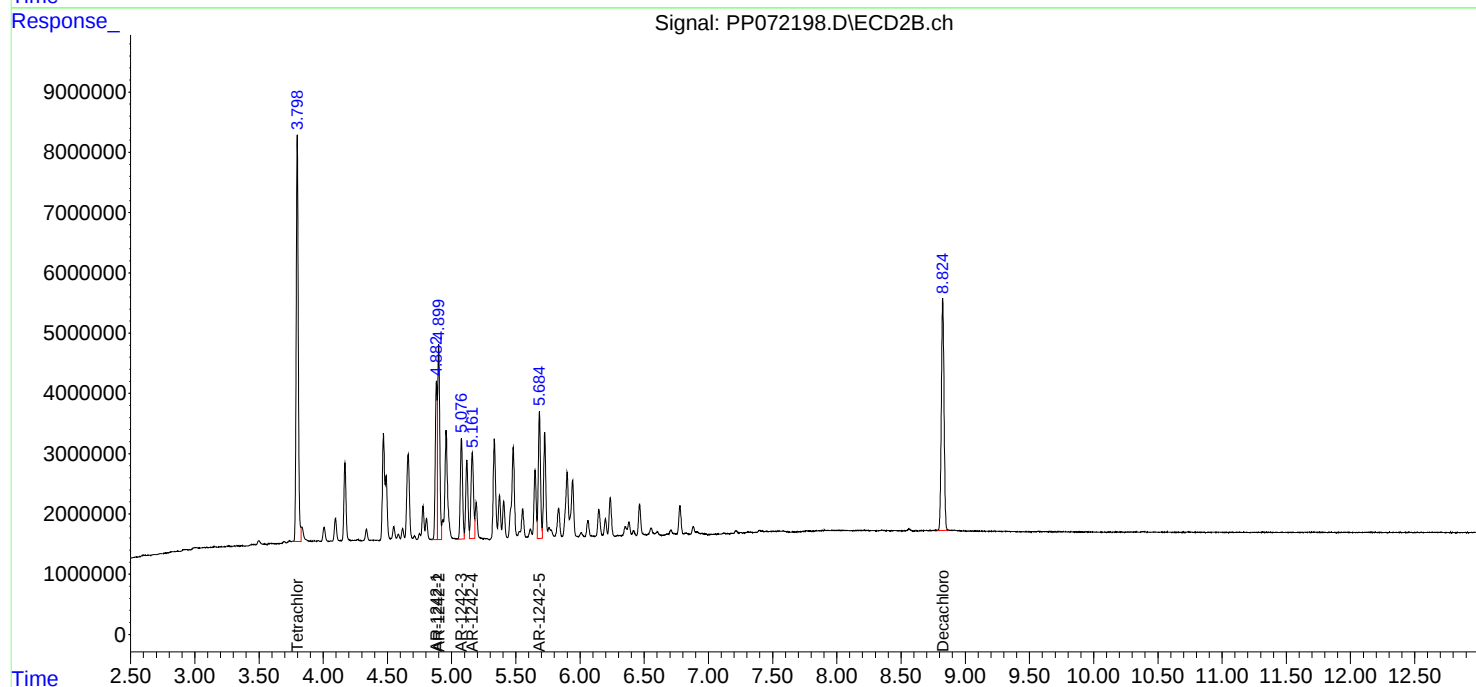
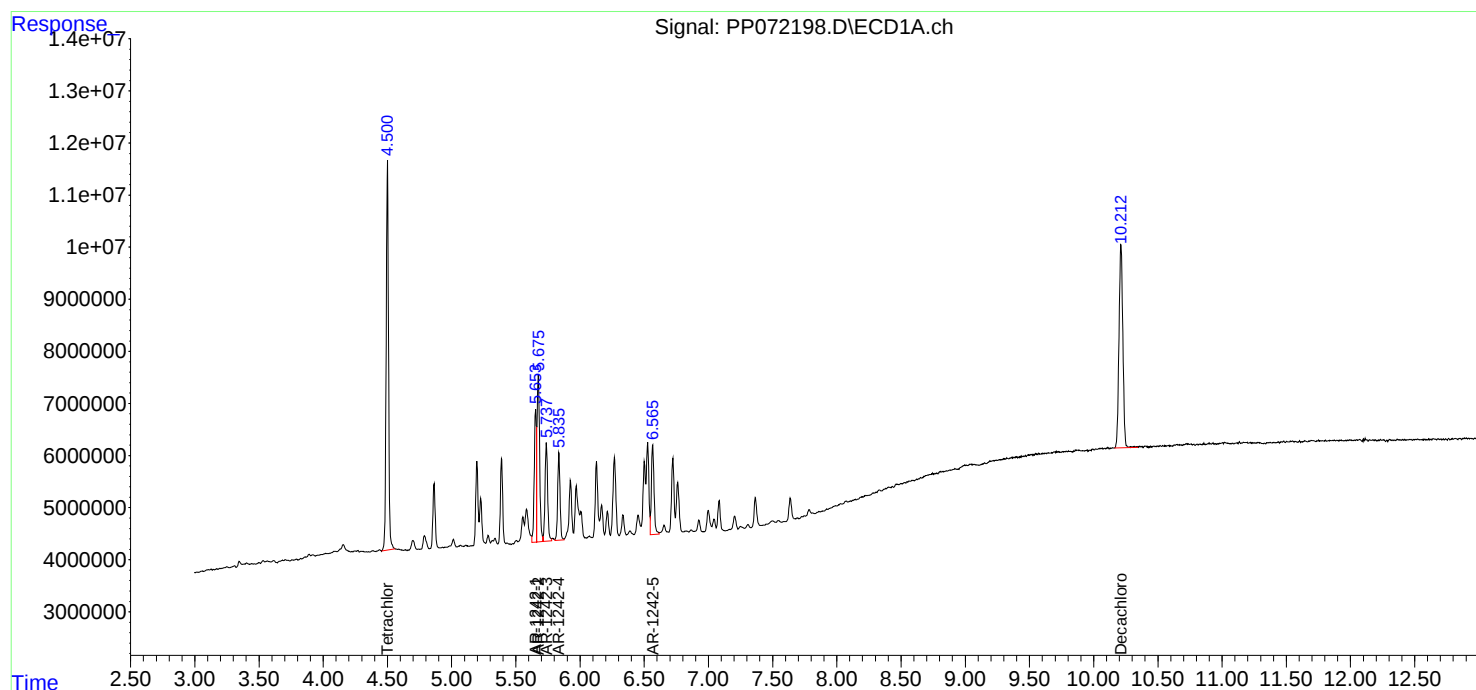
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 19:47
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:37:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072199.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 20:19
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP051925AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:38:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:29:33 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...	4.502	3.798	99024800	84569869	49.246	52.910
2) SA Decachlor...	10.212	8.824	83034822	56507020	50.969	53.379
Target Compounds						
21) L5 AR-1248-1	5.656	4.881	23569496	21026666	487.019	485.362
22) L5 AR-1248-2	5.927	5.119	30714899	27827558	506.512	492.721
23) L5 AR-1248-3	6.130	5.161	34359439	29174304	519.181	493.584
24) L5 AR-1248-4	6.529	5.333	44131890	34133080	504.987	490.046
25) L5 AR-1248-5	6.568	5.725	42053839	34467498	506.516	494.232

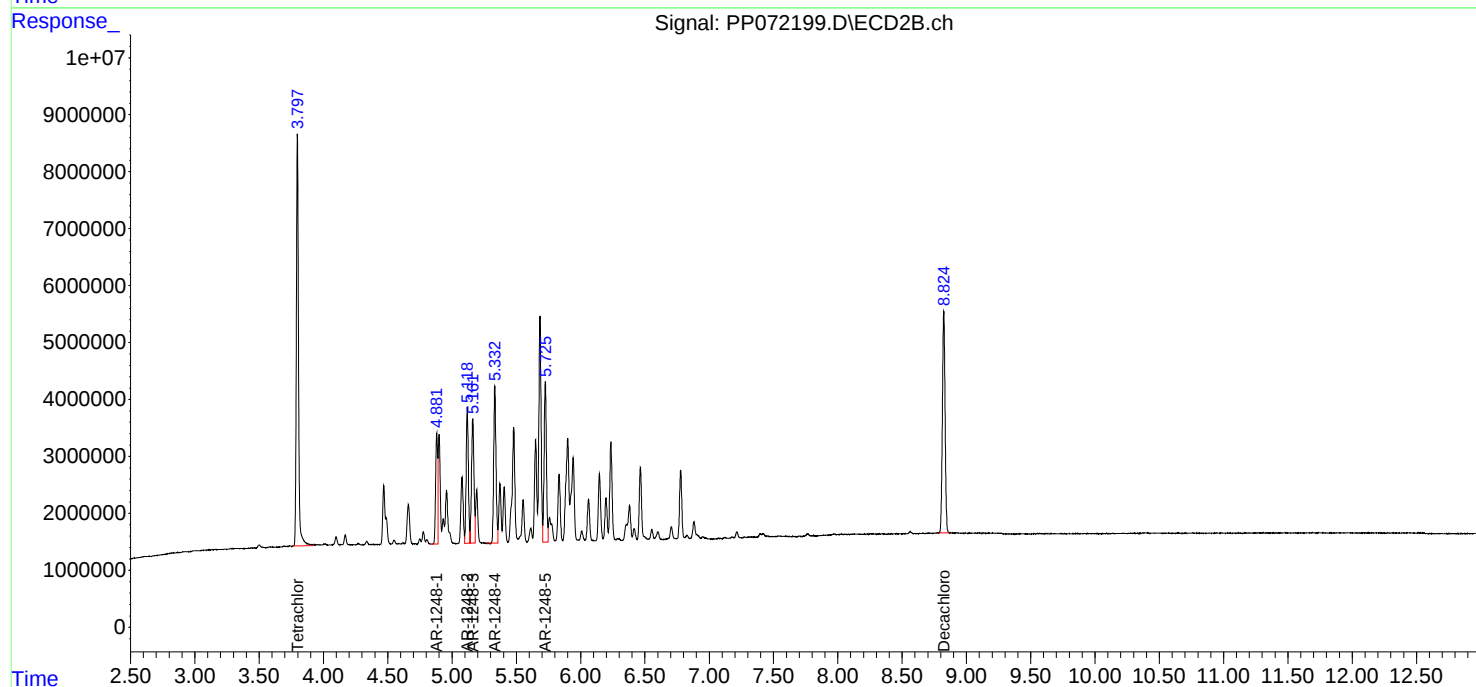
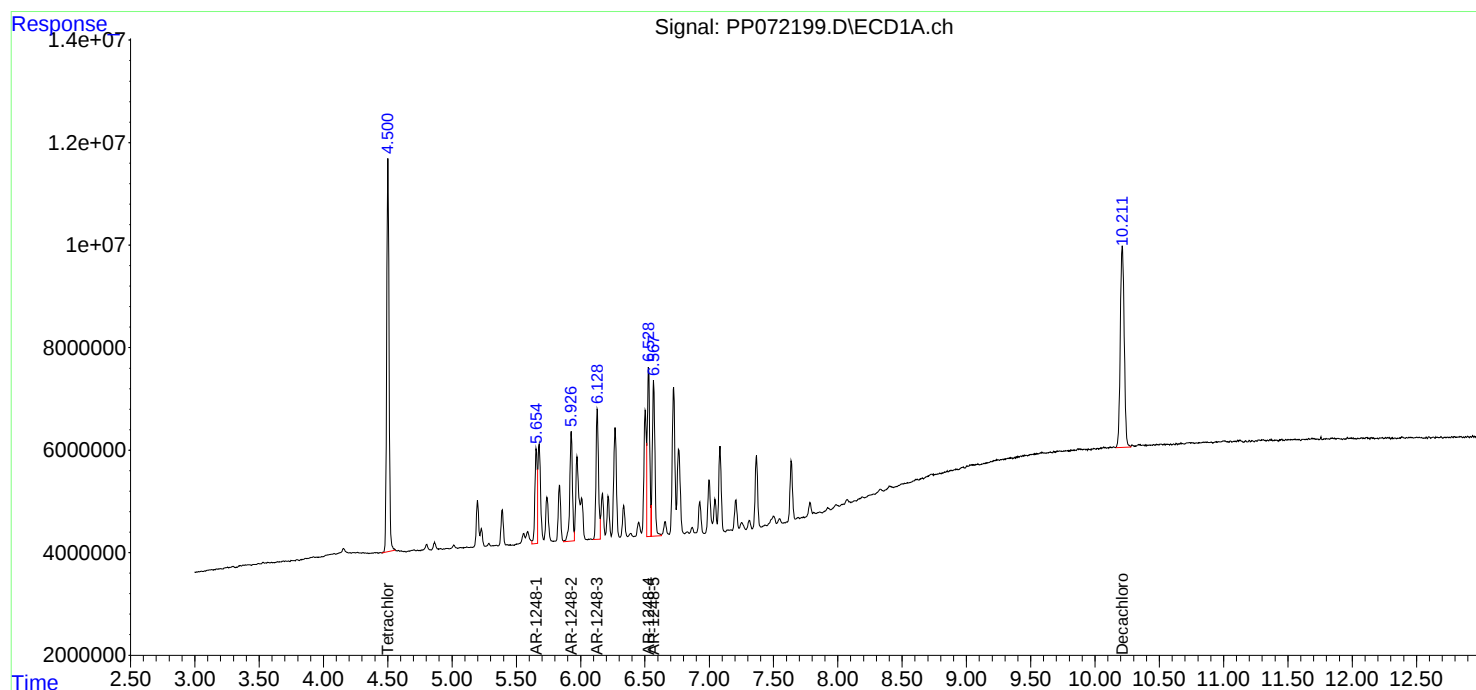
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:19
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:38:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072200.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 20:52
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP051925AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:39:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:29:33 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...	4.503	3.797	100.3E6	87142783	49.887	54.520
2) SA Decachlor...	10.214	8.823	83987433	56189590	51.554	53.079
Target Compounds						
26) L6 AR-1254-1	6.506	5.684	43414677	50851971	504.803	508.752
27) L6 AR-1254-2	6.722	5.832	65079227	43668465	498.015	505.967
28) L6 AR-1254-3	7.085	6.235	66155023	67680378	501.163	526.201
29) L6 AR-1254-4	7.367	6.463	61672158	43977452	472.545	515.584
30) L6 AR-1254-5	7.784	6.881	58110470	59298415	522.357	523.137

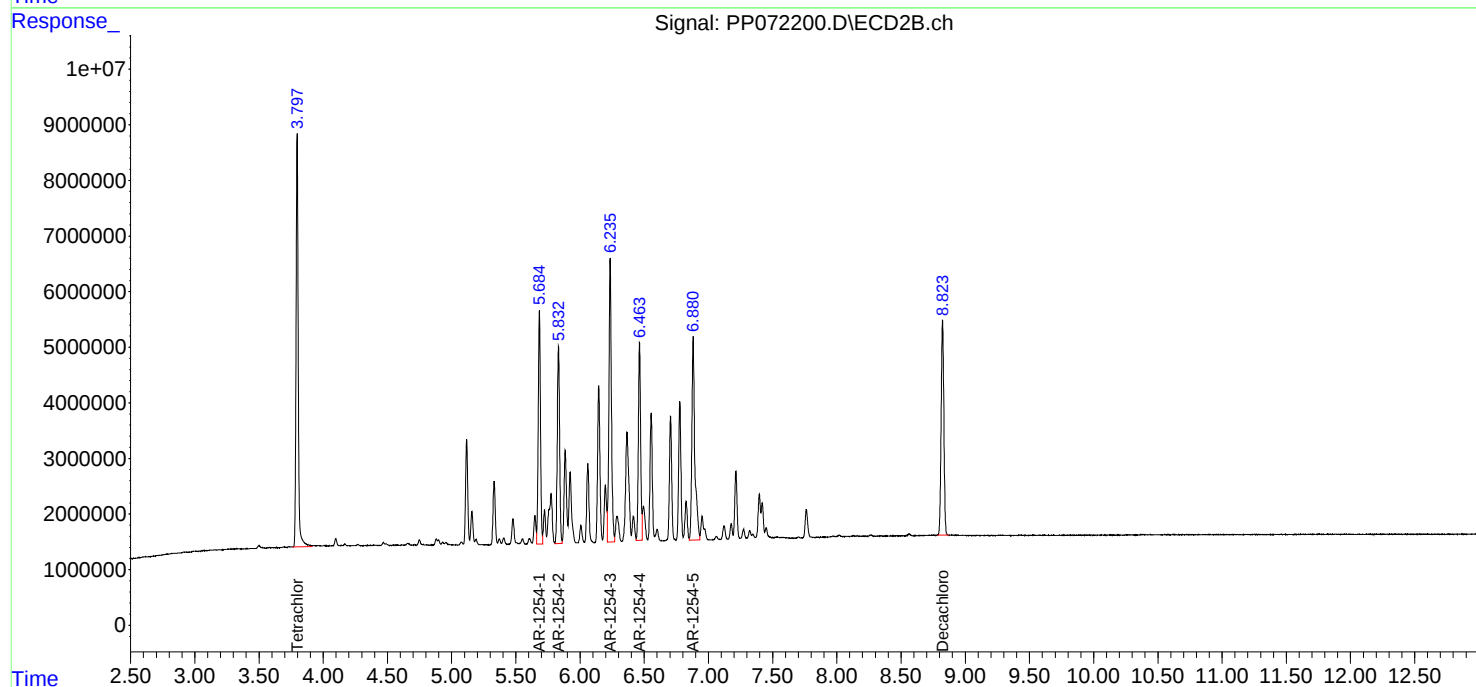
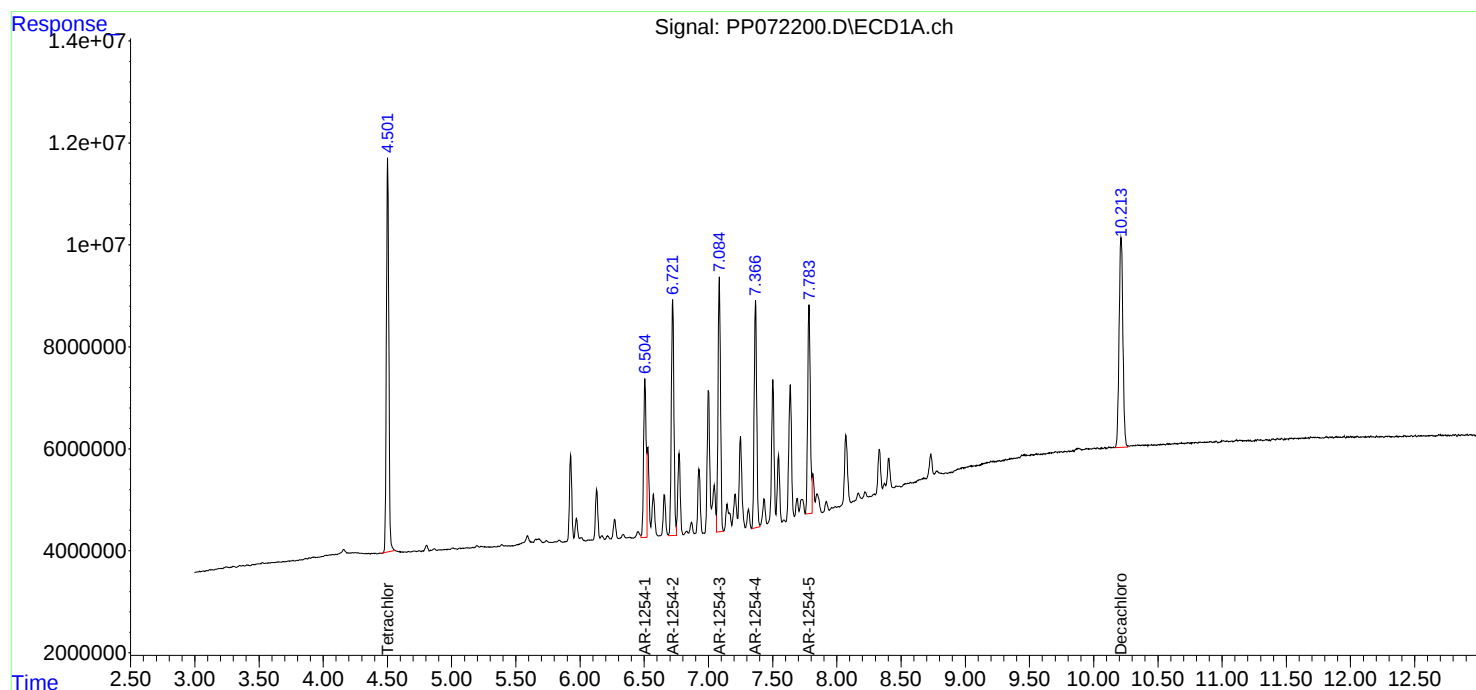
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 20:52
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072201.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 21:25
 Operator : YP\AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP051925AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:20:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:19:33 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...	4.504	3.798	100.4E6	87828193	52.612	54.920
2) SA Decachlor...	10.216	8.824	147.5E6	102.0E6	52.061	53.249
Target Compounds						
41) L9 AR-1268-1	8.720	7.702	171.0E6	124.0E6	513.323	529.555
42) L9 AR-1268-2	8.812	7.768	144.0E6	108.9E6	514.169	526.775
43) L9 AR-1268-3	9.044	7.971	123.7E6	91750131	512.196	541.712
44) L9 AR-1268-4	9.463	8.266	54675516	40276953	520.976	552.065
45) L9 AR-1268-5	9.877	8.565	344.9E6	244.7E6	509.466	535.577

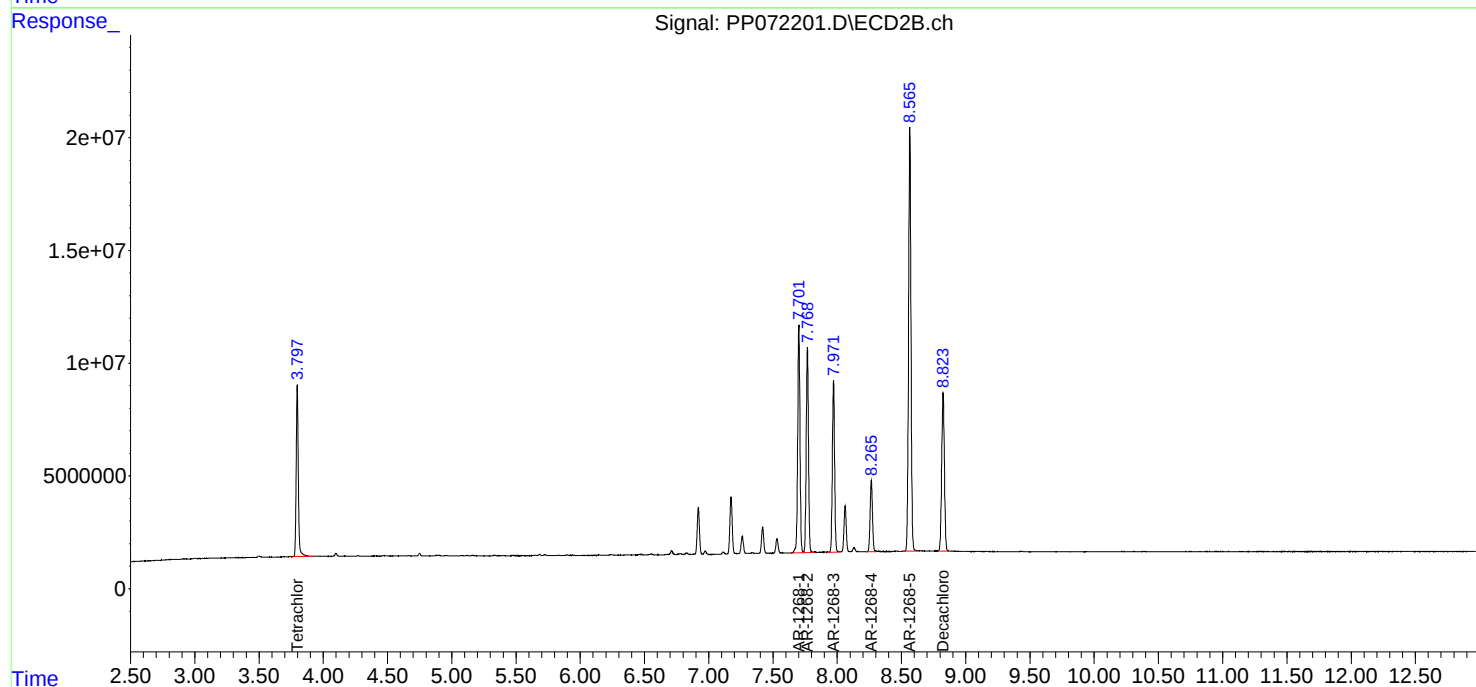
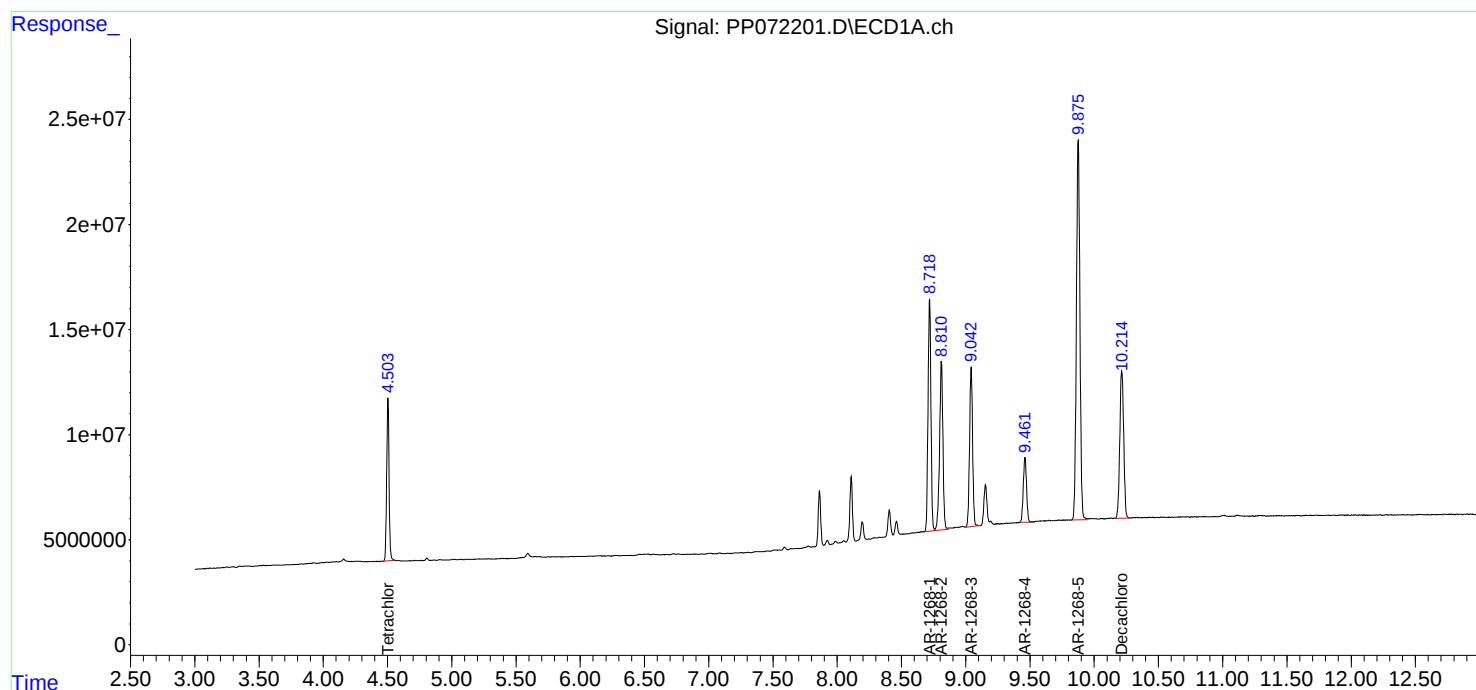
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:25
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP051925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:19:33 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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/14/2025 05/15/2025

Continuing Calib Time: 16:42 Initial Calibration Time(s): 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.84	4.85	4.75	4.95	0.01
Aroclor-1016-4	(4)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.45	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.72	8.62	8.82	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/14/2025 05/15/2025

Continuing Calib Time: 16:42 Initial Calibration Time(s): 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/14/2025 05/14/2025

Client Sample No.: CCAL01 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PO111433.D Time Analyzed: 16:42

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.768	4.673	4.873	552.970	500.000	10.6
Aroclor-1016-2	4.787	4.692	4.892	530.380	500.000	6.1
Aroclor-1016-3	4.844	4.749	4.949	530.020	500.000	6.0
Aroclor-1016-4	4.964	4.869	5.069	577.700	500.000	15.5
Aroclor-1016-5	5.221	5.126	5.326	582.000	500.000	16.4
Aroclor-1260-1	6.260	6.166	6.366	551.700	500.000	10.3
Aroclor-1260-2	6.450	6.355	6.555	560.720	500.000	12.1
Aroclor-1260-3	6.817	6.722	6.922	538.560	500.000	7.7
Aroclor-1260-4	7.076	6.983	7.183	507.550	500.000	1.5
Aroclor-1260-5	7.319	7.225	7.425	507.550	500.000	1.5
Decachlorobiphenyl	8.717	8.624	8.824	46.200	50.000	-7.6
Tetrachloro-m-xylene	3.680	3.582	3.782	52.150	50.000	4.3



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/14/2025 05/14/2025

Client Sample No.: CCAL01 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PO111433.D Time Analyzed: 16:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.754	4.658	4.858	489.210	500.000	-2.2
Aroclor-1016-2	4.773	4.677	4.877	498.300	500.000	-0.3
Aroclor-1016-3	4.948	4.852	5.052	493.440	500.000	-1.3
Aroclor-1016-4	4.990	4.894	5.094	474.950	500.000	-5.0
Aroclor-1016-5	5.203	5.107	5.307	496.560	500.000	-0.7
Aroclor-1260-1	6.233	6.138	6.338	477.340	500.000	-4.5
Aroclor-1260-2	6.420	6.326	6.526	472.940	500.000	-5.4
Aroclor-1260-3	6.573	6.479	6.679	441.750	500.000	-11.7
Aroclor-1260-4	7.044	6.949	7.149	457.770	500.000	-8.4
Aroclor-1260-5	7.285	7.191	7.391	448.540	500.000	-10.3
Decachlorobiphenyl	8.666	8.574	8.774	44.910	50.000	-10.2
Tetrachloro-m-xylene	3.676	3.579	3.779	51.120	50.000	2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0060325\
 Data File : PO111433.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 16:42
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 03 16:59:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 07:11:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.680	3.676	306.8E6	278.7E6	52.147	51.120
2) SA Decachlor...	8.717	8.666	238.5E6	83092580	46.198	44.911m
Target Compounds						
3) L1 AR-1016-1	4.768	4.754	124.4E6	93402982	552.968m	489.207
4) L1 AR-1016-2	4.787	4.773	169.2E6	138.1E6	530.378m	498.304
5) L1 AR-1016-3	4.844	4.948	115.1E6	72079222	530.018m	493.440
6) L1 AR-1016-4	4.964	4.990	100.6E6	57036643	577.703	474.954
7) L1 AR-1016-5	5.221	5.203	102.4E6	76669583	581.999m	496.563
31) L7 AR-1260-1	6.260	6.233	168.3E6	119.3E6	551.698	477.336
32) L7 AR-1260-2	6.450	6.420	214.7E6	139.2E6	560.722	472.936
33) L7 AR-1260-3	6.817	6.573	187.7E6	126.7E6	538.563	441.751
34) L7 AR-1260-4	7.076	7.044	142.1E6	91903951	507.547	457.773
35) L7 AR-1260-5	7.319	7.285	365.4E6	206.2E6	507.546	448.541

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060325\
Data File : PO111433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:42
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

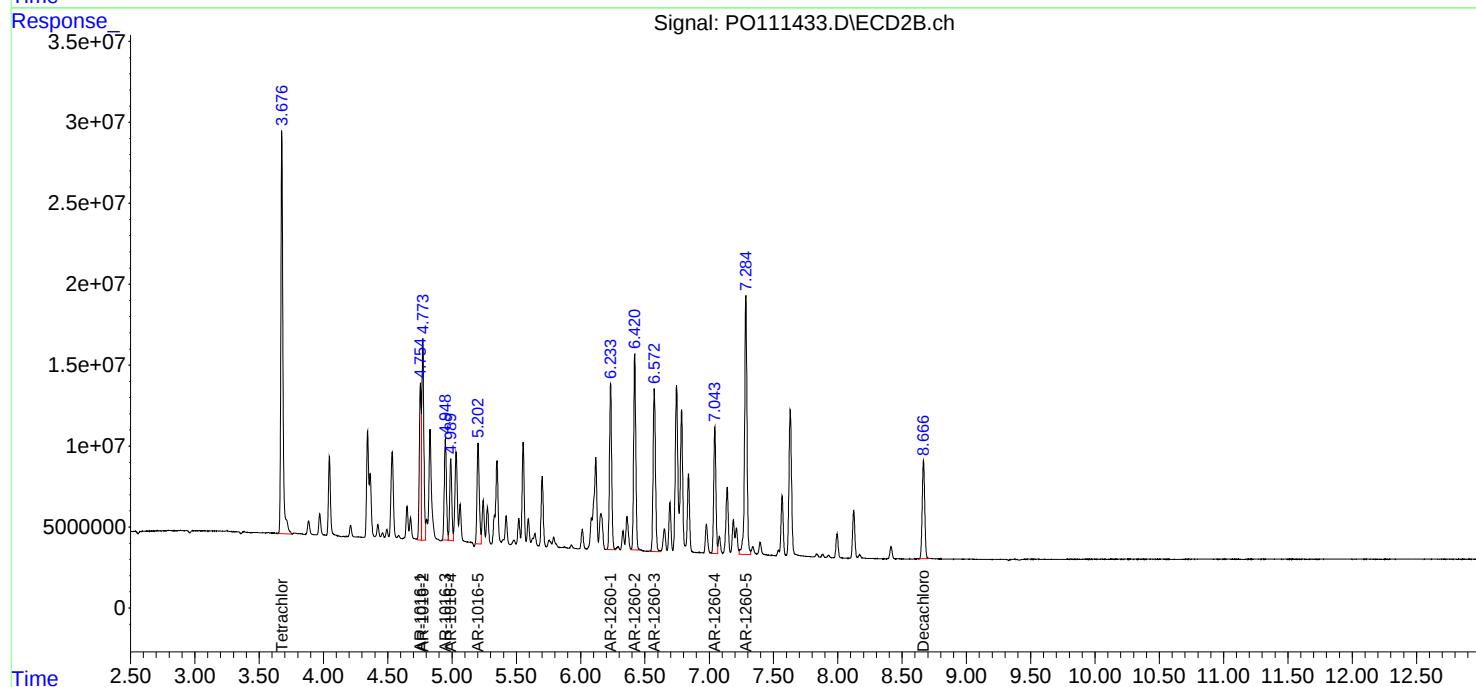
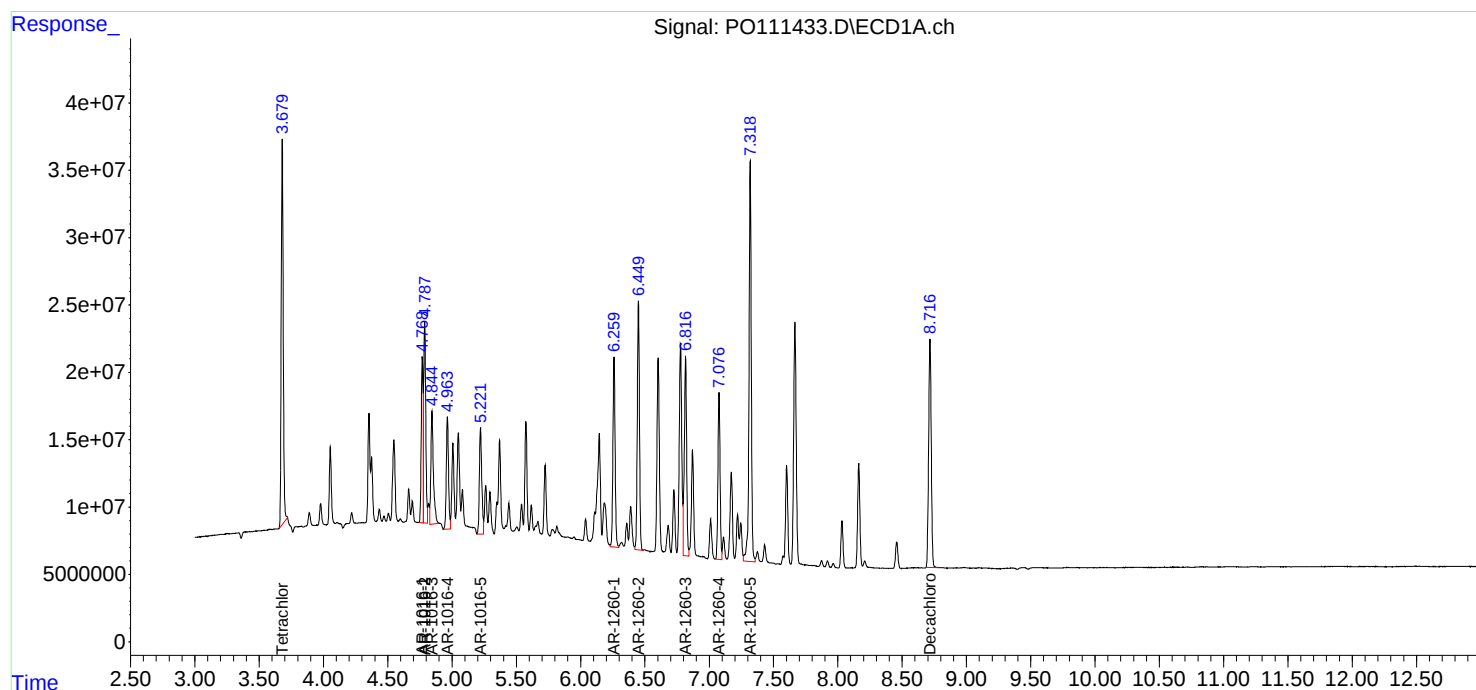
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 16:59:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/14/2025 05/15/2025

Continuing Calib Time: 22:13 Initial Calibration Time(s): 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.77	4.77	4.67	4.87	0.00
Aroclor-1016-2	(2)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-3	(3)	4.84	4.85	4.75	4.95	0.01
Aroclor-1016-4	(4)	4.96	4.97	4.87	5.07	0.01
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.27	6.17	6.37	0.01
Aroclor-1260-2	(2)	6.45	6.46	6.36	6.56	0.01
Aroclor-1260-3	(3)	6.82	6.82	6.72	6.92	0.00
Aroclor-1260-4	(4)	7.08	7.08	6.98	7.18	0.01
Aroclor-1260-5	(5)	7.32	7.33	7.23	7.43	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.72	8.72	8.62	8.82	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/14/2025 05/15/2025

Continuing Calib Time: 22:13 Initial Calibration Time(s): 17:19 01:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-2	(2)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-3	(3)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.20	5.21	5.11	5.31	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.28	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.67	8.67	8.57	8.77	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/14/2025 05/14/2025

Client Sample No.: CCAL02 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PO111447.D Time Analyzed: 22:13

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.767	4.673	4.873	506.430	500.000	1.3
Aroclor-1016-2	4.786	4.692	4.892	519.830	500.000	4.0
Aroclor-1016-3	4.843	4.749	4.949	548.120	500.000	9.6
Aroclor-1016-4	4.963	4.869	5.069	582.810	500.000	16.6
Aroclor-1016-5	5.220	5.126	5.326	594.000	500.000	18.8
Aroclor-1260-1	6.260	6.166	6.366	533.080	500.000	6.6
Aroclor-1260-2	6.449	6.355	6.555	563.270	500.000	12.7
Aroclor-1260-3	6.815	6.722	6.922	540.800	500.000	8.2
Aroclor-1260-4	7.075	6.983	7.183	513.040	500.000	2.6
Aroclor-1260-5	7.318	7.225	7.425	513.860	500.000	2.8
Decachlorobiphenyl	8.715	8.624	8.824	46.220	50.000	-7.6
Tetrachloro-m-xylene	3.680	3.582	3.782	51.410	50.000	2.8



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/14/2025 05/14/2025

Client Sample No.: CCAL02 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PO111447.D Time Analyzed: 22:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.754	4.658	4.858	490.760	500.000	-1.8
Aroclor-1016-2	4.773	4.677	4.877	497.040	500.000	-0.6
Aroclor-1016-3	4.948	4.852	5.052	489.960	500.000	-2.0
Aroclor-1016-4	4.990	4.894	5.094	468.400	500.000	-6.3
Aroclor-1016-5	5.202	5.107	5.307	525.890	500.000	5.2
Aroclor-1260-1	6.232	6.138	6.338	477.990	500.000	-4.4
Aroclor-1260-2	6.420	6.326	6.526	472.480	500.000	-5.5
Aroclor-1260-3	6.572	6.479	6.679	441.840	500.000	-11.6
Aroclor-1260-4	7.043	6.949	7.149	451.090	500.000	-9.8
Aroclor-1260-5	7.284	7.191	7.391	436.650	500.000	-12.7
Decachlorobiphenyl	8.665	8.574	8.774	44.120	50.000	-11.8
Tetrachloro-m-xylene	3.676	3.579	3.779	51.100	50.000	2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0060325\
 Data File : PO111447.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 22:13
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:38:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 07:11:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.680	3.676	302.5E6	278.6E6	51.414	51.102
2) SA Decachlor...	8.715	8.665	238.6E6	81628393	46.224m	44.120m
Target Compounds						
3) L1 AR-1016-1	4.767	4.754	114.0E6	93699159	506.432m	490.758
4) L1 AR-1016-2	4.786	4.773	165.8E6	137.7E6	519.834m	497.036
5) L1 AR-1016-3	4.843	4.948	119.0E6	71570664	548.122m	489.958
6) L1 AR-1016-4	4.963	4.990	101.5E6	56249666	582.810	468.401
7) L1 AR-1016-5	5.220	5.202	104.5E6	81198279	594.004m	525.894m
31) L7 AR-1260-1	6.260	6.232	162.6E6	119.4E6	533.083	477.987
32) L7 AR-1260-2	6.449	6.420	215.7E6	139.0E6	563.271	472.479
33) L7 AR-1260-3	6.815	6.572	188.5E6	126.7E6	540.798	441.840
34) L7 AR-1260-4	7.075	7.043	143.6E6	90563161	513.039	451.094
35) L7 AR-1260-5	7.318	7.284	369.9E6	200.7E6	513.856	436.655

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060325\
Data File : PO111447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 22:13
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AR1660CCC500

Manual Integrations

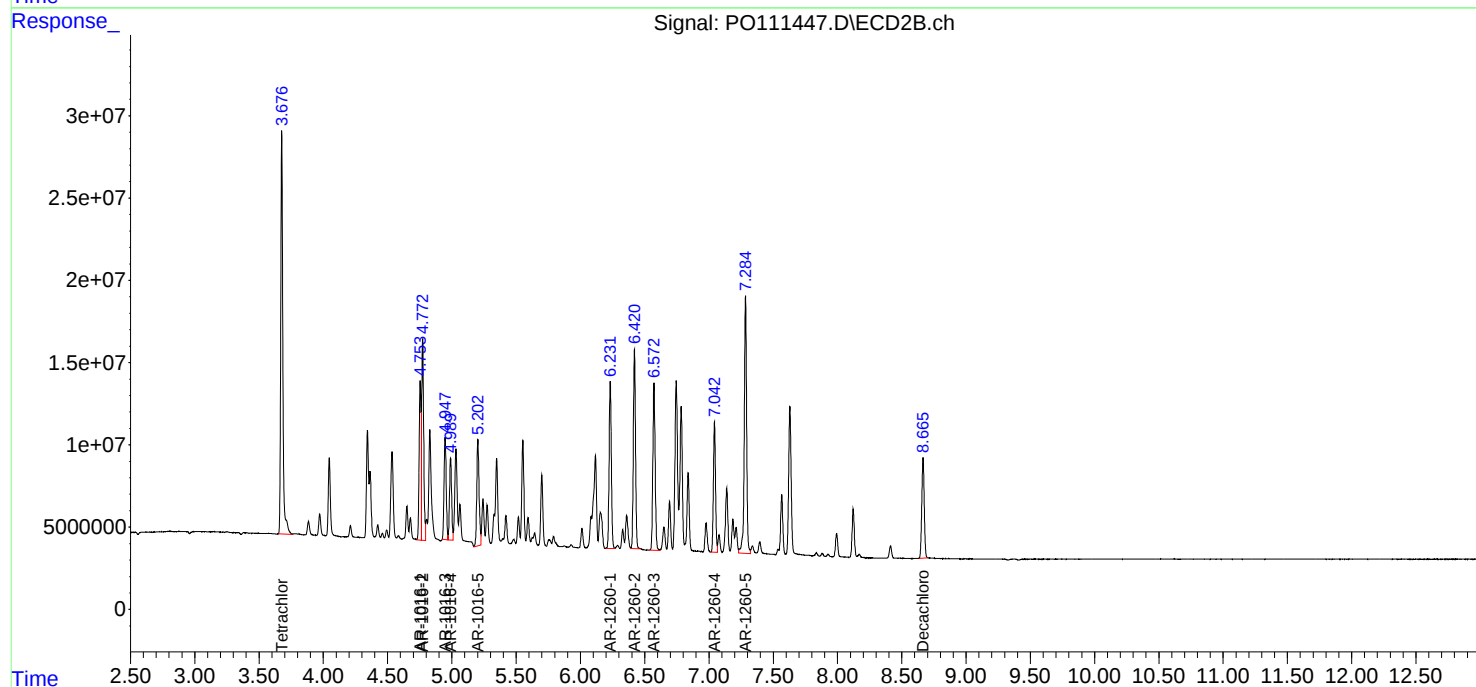
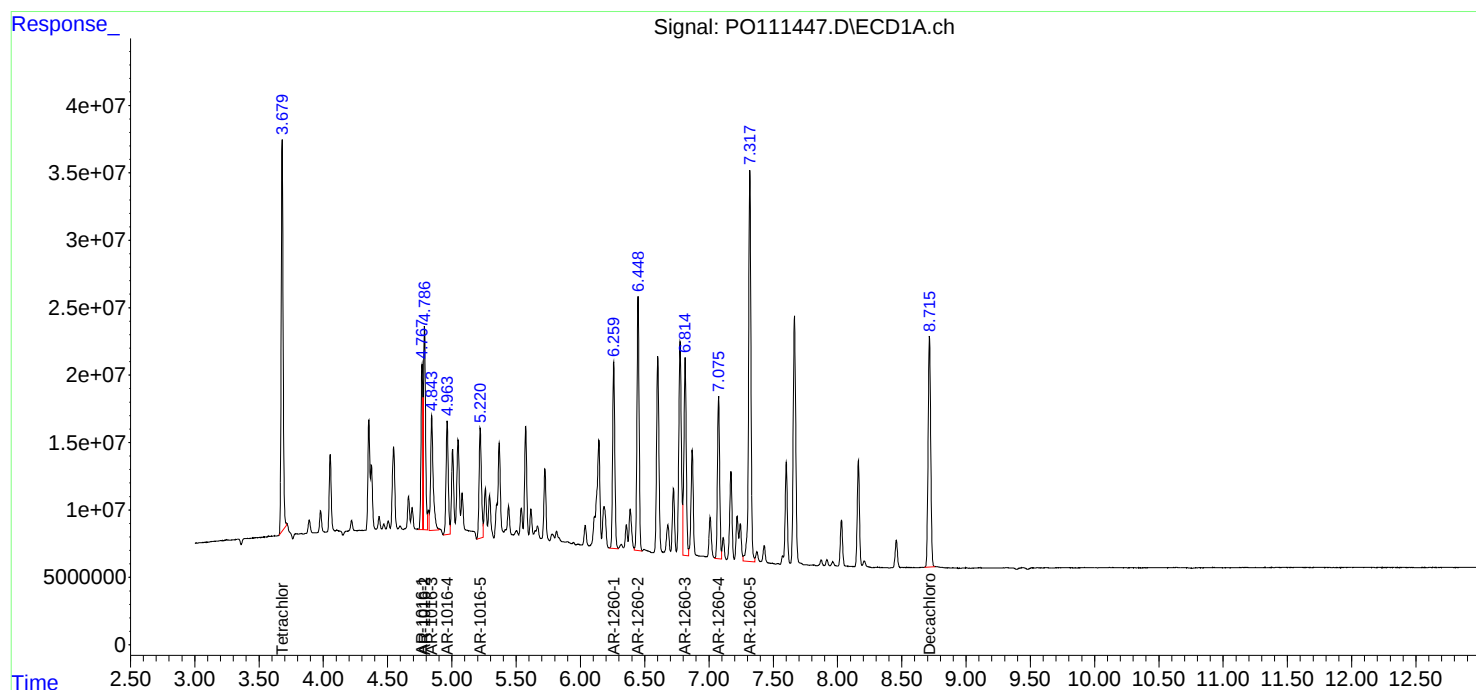
APPROVED

Reviewed By :Yogesh Patel 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:38:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 10:22 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.07	8.09	7.99	8.19	0.02
Aroclor-1260-5	(5)	8.39	8.40	8.30	8.50	0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.01
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.02



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 10:22 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	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		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL03 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PP072553.D Time Analyzed: 10:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.647	5.552	5.752	428.340	500.000	-14.3
Aroclor-1016-2	5.669	5.574	5.774	464.800	500.000	-7.0
Aroclor-1016-3	5.731	5.636	5.836	458.790	500.000	-8.2
Aroclor-1016-4	5.829	5.734	5.934	479.670	500.000	-4.1
Aroclor-1016-5	6.121	6.027	6.227	471.030	500.000	-5.8
Aroclor-1260-1	7.239	7.147	7.347	488.880	500.000	-2.2
Aroclor-1260-2	7.492	7.401	7.601	466.630	500.000	-6.7
Aroclor-1260-3	7.850	7.760	7.960	483.300	500.000	-3.3
Aroclor-1260-4	8.074	7.985	8.185	483.820	500.000	-3.2
Aroclor-1260-5	8.393	8.303	8.503	496.840	500.000	-0.6
Decachlorobiphenyl	10.195	10.113	10.313	50.460	50.000	0.9
Tetrachloro-m-xylene	4.495	4.396	4.596	48.810	50.000	-2.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL03 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PP072553.D Time Analyzed: 10:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.874	4.777	4.977	488.160	500.000	-2.4
Aroclor-1016-2	4.892	4.795	4.995	494.600	500.000	-1.1
Aroclor-1016-3	5.069	4.973	5.173	501.810	500.000	0.4
Aroclor-1016-4	5.111	5.015	5.215	504.360	500.000	0.9
Aroclor-1016-5	5.325	5.229	5.429	546.340	500.000	9.3
Aroclor-1260-1	6.357	6.264	6.464	520.360	500.000	4.1
Aroclor-1260-2	6.545	6.453	6.653	487.870	500.000	-2.4
Aroclor-1260-3	6.697	6.606	6.806	509.120	500.000	1.8
Aroclor-1260-4	7.168	7.077	7.277	511.170	500.000	2.2
Aroclor-1260-5	7.410	7.319	7.519	513.820	500.000	2.8
Decachlorobiphenyl	8.808	8.723	8.923	55.840	50.000	11.7
Tetrachloro-m-xylene	3.793	3.691	3.891	50.620	50.000	1.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
 Data File : PP072553.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 10:22
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 03 12:07:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.495	3.793	98155374	80910106	48.814	50.621
2) SA Decachlor...	10.195	8.808	82201095	59116822	50.457m	55.844m
Target Compounds						
3) L1 AR-1016-1	5.647	4.874	32161004	29987717	428.336	488.165
4) L1 AR-1016-2	5.669	4.892	49729489	43420701	464.798	494.601
5) L1 AR-1016-3	5.731	5.069	30080331	23913579	458.787	501.812
6) L1 AR-1016-4	5.829	5.111	25551774	19188370	479.665	504.356
7) L1 AR-1016-5	6.121	5.325	23037672	27220862	471.030	546.336
31) L7 AR-1260-1	7.239	6.357	45756872	41500929	488.883	520.364
32) L7 AR-1260-2	7.492	6.545	66956672	49480783	466.630	487.869
33) L7 AR-1260-3	7.850	6.697	55033864	44243948	483.301	509.123
34) L7 AR-1260-4	8.074	7.168	51914876	36850423	483.817	511.166
35) L7 AR-1260-5	8.393	7.410	117.6E6	89211244	496.836	513.819

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 10:22
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

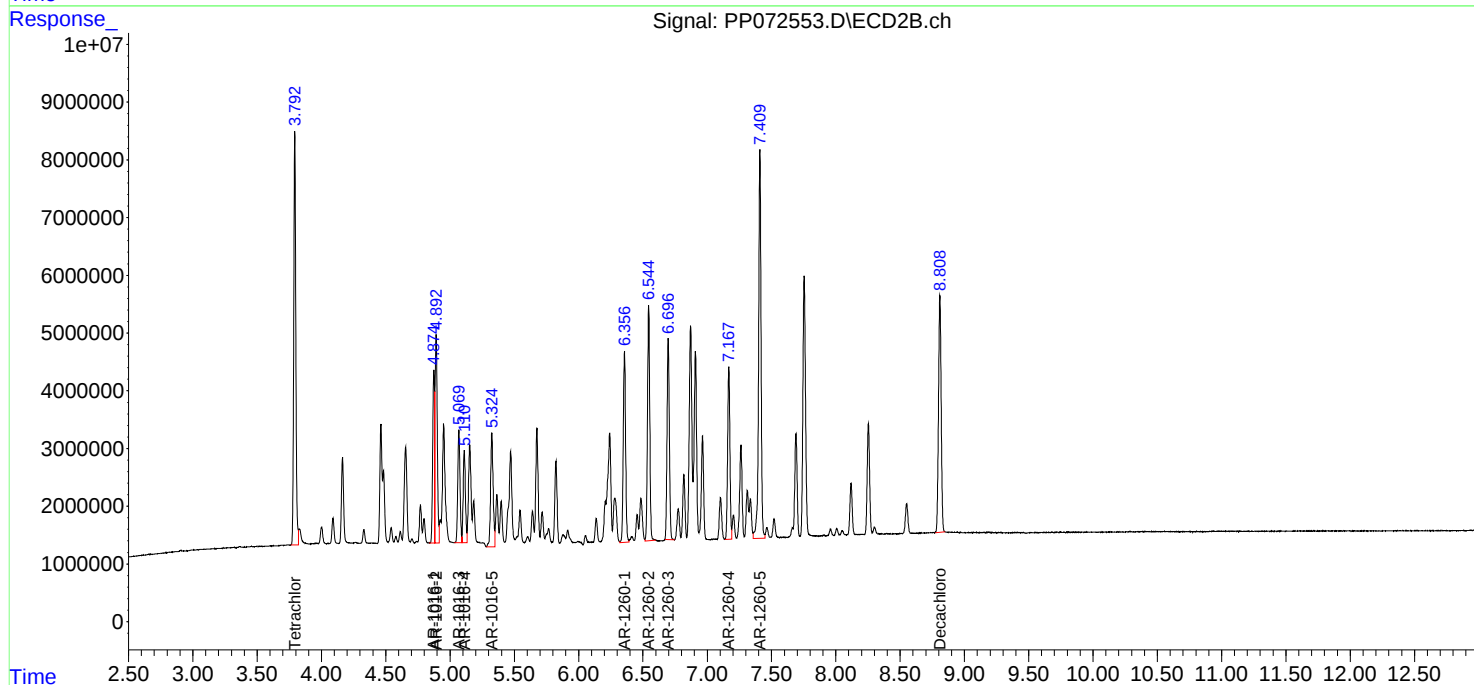
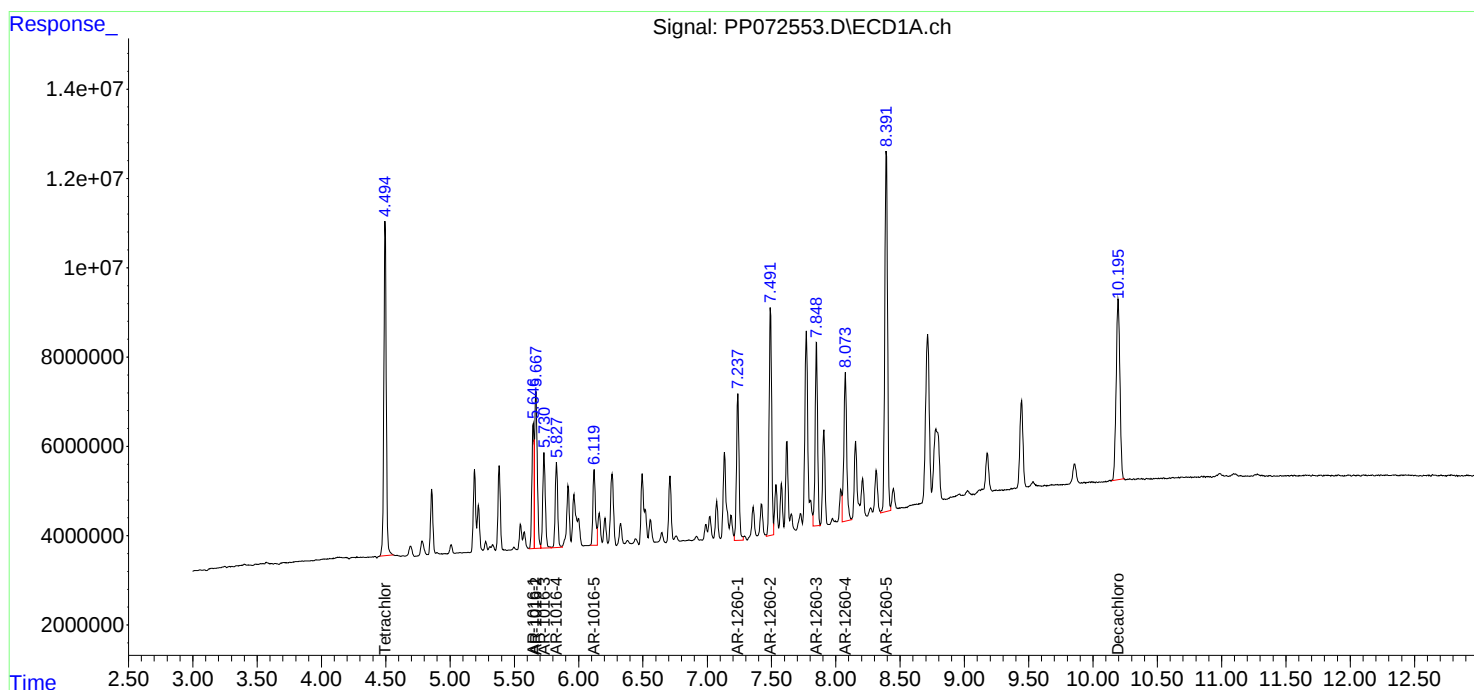
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 12:07:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 16:59 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 16:59 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	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	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL04 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PP072568.D Time Analyzed: 16:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.651	5.552	5.752	411.650	500.000	-17.7
Aroclor-1016-2	5.673	5.574	5.774	442.770	500.000	-11.4
Aroclor-1016-3	5.735	5.636	5.836	452.700	500.000	-9.5
Aroclor-1016-4	5.833	5.734	5.934	463.680	500.000	-7.3
Aroclor-1016-5	6.125	6.027	6.227	443.990	500.000	-11.2
Aroclor-1260-1	7.243	7.147	7.347	452.460	500.000	-9.5
Aroclor-1260-2	7.496	7.401	7.601	432.800	500.000	-13.4
Aroclor-1260-3	7.854	7.760	7.960	445.150	500.000	-11.0
Aroclor-1260-4	8.079	7.985	8.185	435.990	500.000	-12.8
Aroclor-1260-5	8.397	8.303	8.503	461.230	500.000	-7.8
Decachlorobiphenyl	10.199	10.113	10.313	47.320	50.000	-5.4
Tetrachloro-m-xylene	4.500	4.396	4.596	46.500	50.000	-7.0



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL04 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PP072568.D Time Analyzed: 16:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.877	4.777	4.977	486.360	500.000	-2.7
Aroclor-1016-2	4.894	4.795	4.995	495.400	500.000	-0.9
Aroclor-1016-3	5.071	4.973	5.173	493.020	500.000	-1.4
Aroclor-1016-4	5.113	5.015	5.215	489.380	500.000	-2.1
Aroclor-1016-5	5.327	5.229	5.429	537.380	500.000	7.5
Aroclor-1260-1	6.358	6.264	6.464	503.150	500.000	0.6
Aroclor-1260-2	6.547	6.453	6.653	478.760	500.000	-4.2
Aroclor-1260-3	6.699	6.606	6.806	492.400	500.000	-1.5
Aroclor-1260-4	7.169	7.077	7.277	481.460	500.000	-3.7
Aroclor-1260-5	7.412	7.319	7.519	488.860	500.000	-2.2
Decachlorobiphenyl	8.810	8.723	8.923	53.130	50.000	6.3
Tetrachloro-m-xylene	3.795	3.691	3.891	50.510	50.000	1.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
 Data File : PP072568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 16:59
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 06:45:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.500	3.795	93495068	80736609	46.496	50.512
2) SA Decachlor...	10.199	8.810	77098284	56244936	47.325m	53.131m
Target Compounds						
3) L1 AR-1016-1	5.651	4.877	30907983	29876997	411.647	486.362
4) L1 AR-1016-2	5.673	4.894	47372846	43490667	442.771	495.398
5) L1 AR-1016-3	5.735	5.071	29680958	23494396	452.696	493.015
6) L1 AR-1016-4	5.833	5.113	24700038	18618455	463.676	489.376
7) L1 AR-1016-5	6.125	5.327	21715165	26774564	443.989	537.378
31) L7 AR-1260-1	7.243	6.358	42347445	40127946	452.455	503.148
32) L7 AR-1260-2	7.496	6.547	62102497	48557330	432.801	478.764
33) L7 AR-1260-3	7.854	6.699	50689409	42791037	445.148	492.404
34) L7 AR-1260-4	8.079	7.169	46782784	34708670	435.989	481.457
35) L7 AR-1260-5	8.397	7.412	109.2E6	84878264	461.225	488.862

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:59
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

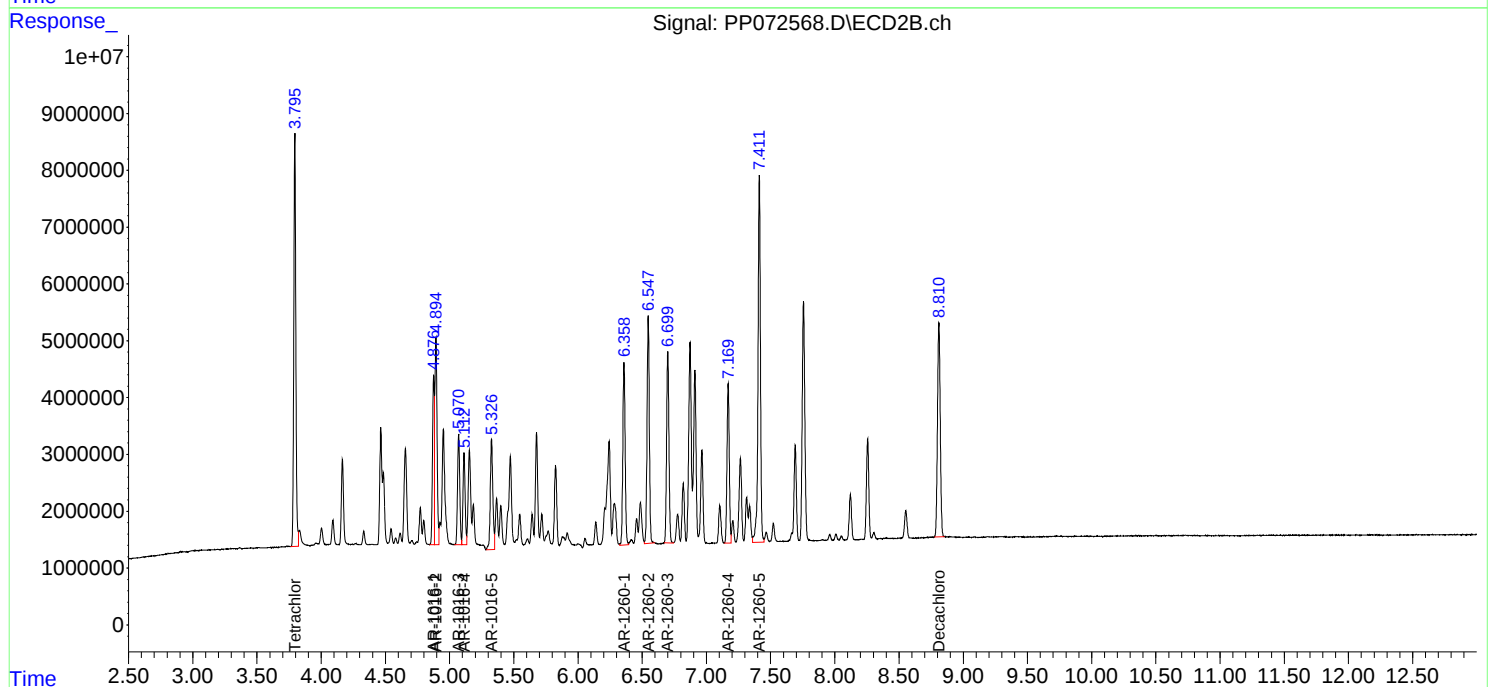
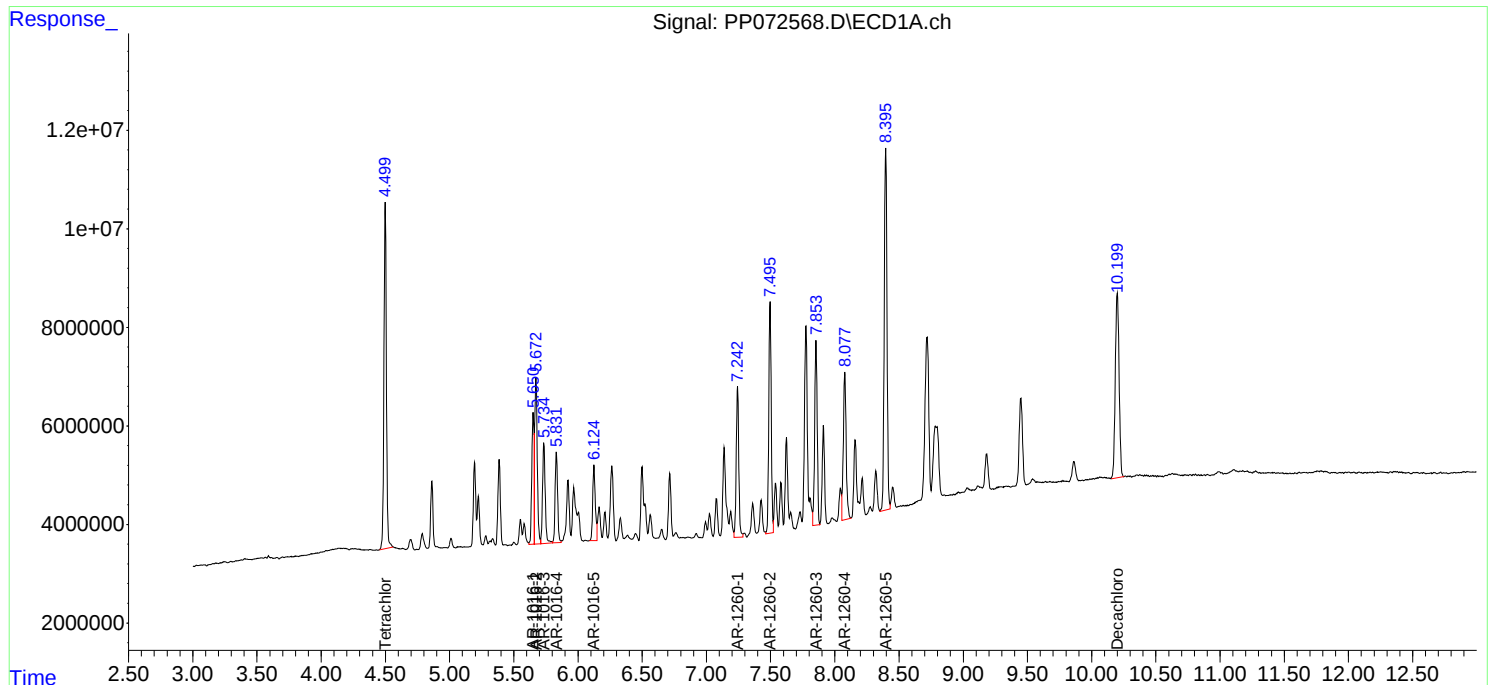
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 06:45:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 22:25 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 22:25 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	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		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL05 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PP072583.D Time Analyzed: 22:25

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.650	5.552	5.752	414.970	500.000	-17.0
Aroclor-1016-2	5.672	5.574	5.774	445.260	500.000	-10.9
Aroclor-1016-3	5.734	5.636	5.836	446.030	500.000	-10.8
Aroclor-1016-4	5.832	5.734	5.934	459.390	500.000	-8.1
Aroclor-1016-5	6.124	6.027	6.227	450.950	500.000	-9.8
Aroclor-1260-1	7.242	7.147	7.347	467.980	500.000	-6.4
Aroclor-1260-2	7.495	7.401	7.601	442.440	500.000	-11.5
Aroclor-1260-3	7.853	7.760	7.960	445.300	500.000	-10.9
Aroclor-1260-4	8.076	7.985	8.185	438.500	500.000	-12.3
Aroclor-1260-5	8.395	8.303	8.503	458.750	500.000	-8.3
Decachlorobiphenyl	10.196	10.113	10.313	47.150	50.000	-5.7
Tetrachloro-m-xylene	4.499	4.396	4.596	46.390	50.000	-7.2



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL05 Date Analyzed: 06/03/2025

Lab Sample No.: AR1660CCC500 Data File : PP072583.D Time Analyzed: 22:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.874	4.777	4.977	491.730	500.000	-1.7
Aroclor-1016-2	4.892	4.795	4.995	501.620	500.000	0.3
Aroclor-1016-3	5.069	4.973	5.173	504.520	500.000	0.9
Aroclor-1016-4	5.111	5.015	5.215	495.960	500.000	-0.8
Aroclor-1016-5	5.325	5.229	5.429	570.870	500.000	14.2
Aroclor-1260-1	6.356	6.264	6.464	507.750	500.000	1.6
Aroclor-1260-2	6.545	6.453	6.653	474.610	500.000	-5.1
Aroclor-1260-3	6.697	6.606	6.806	489.600	500.000	-2.1
Aroclor-1260-4	7.167	7.077	7.277	507.640	500.000	1.5
Aroclor-1260-5	7.409	7.319	7.519	505.520	500.000	1.1
Decachlorobiphenyl	8.807	8.723	8.923	51.690	50.000	3.4
Tetrachloro-m-xylene	3.794	3.691	3.891	48.730	50.000	-2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
 Data File : PP072583.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 22:25
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:38:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.499	3.794	93279818	77889966	46.389	48.731
2) SA Decachlor...	10.196	8.807	76808676	54716927	47.147m	51.688m
Target Compounds						
3) L1 AR-1016-1	5.650	4.874	31157091	30206463	414.965	491.725
4) L1 AR-1016-2	5.672	4.892	47639218	44037232	445.261	501.624
5) L1 AR-1016-3	5.734	5.069	29243830	24042876	446.028	504.525
6) L1 AR-1016-4	5.832	5.111	24471680	18868806	459.390	495.956
7) L1 AR-1016-5	6.124	5.325	22055425	28443101	450.946	570.867 #
31) L7 AR-1260-1	7.242	6.356	43800698	40495003	467.982	507.751
32) L7 AR-1260-2	7.495	6.545	63485750	48136181	442.441	474.612
33) L7 AR-1260-3	7.853	6.697	50706274	42547142	445.297	489.597
34) L7 AR-1260-4	8.076	7.167	47052708	36596532	438.505	507.644
35) L7 AR-1260-5	8.395	7.409	108.6E6	87770071	458.749	505.518

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 22:25
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

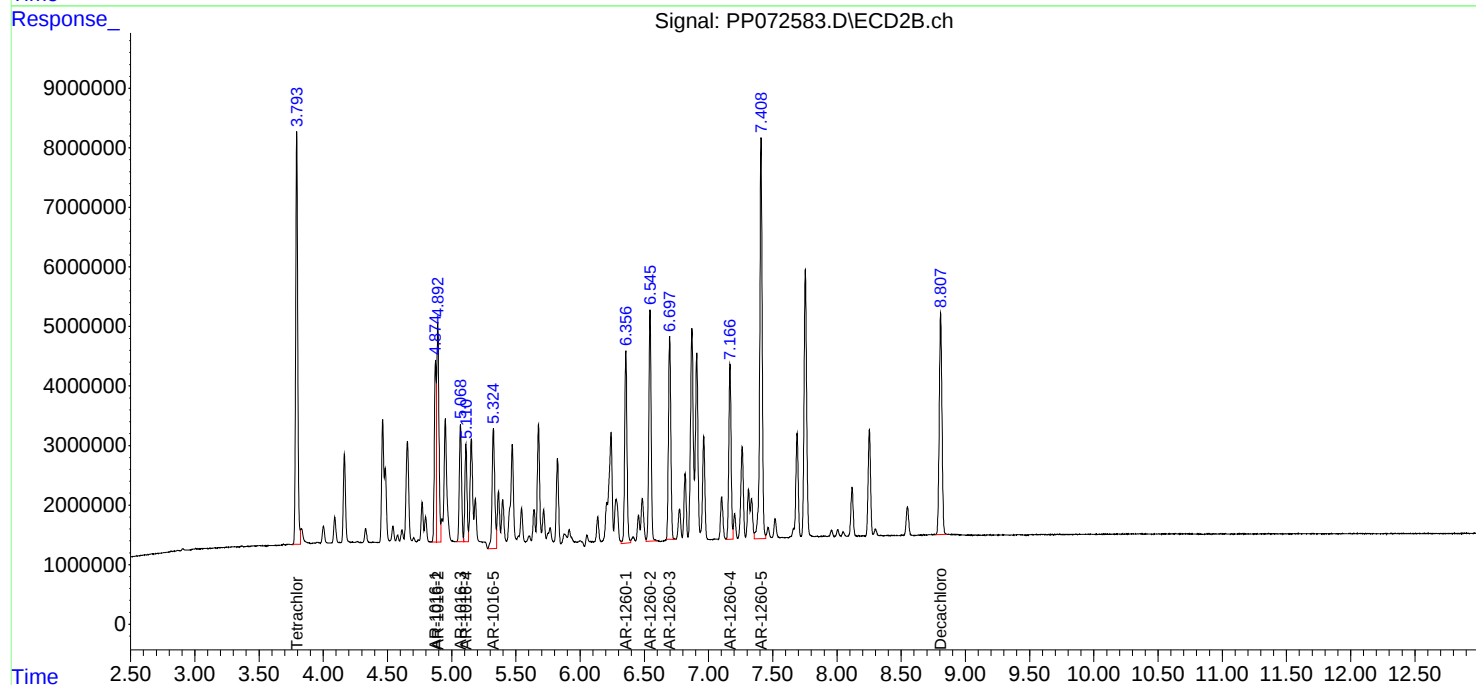
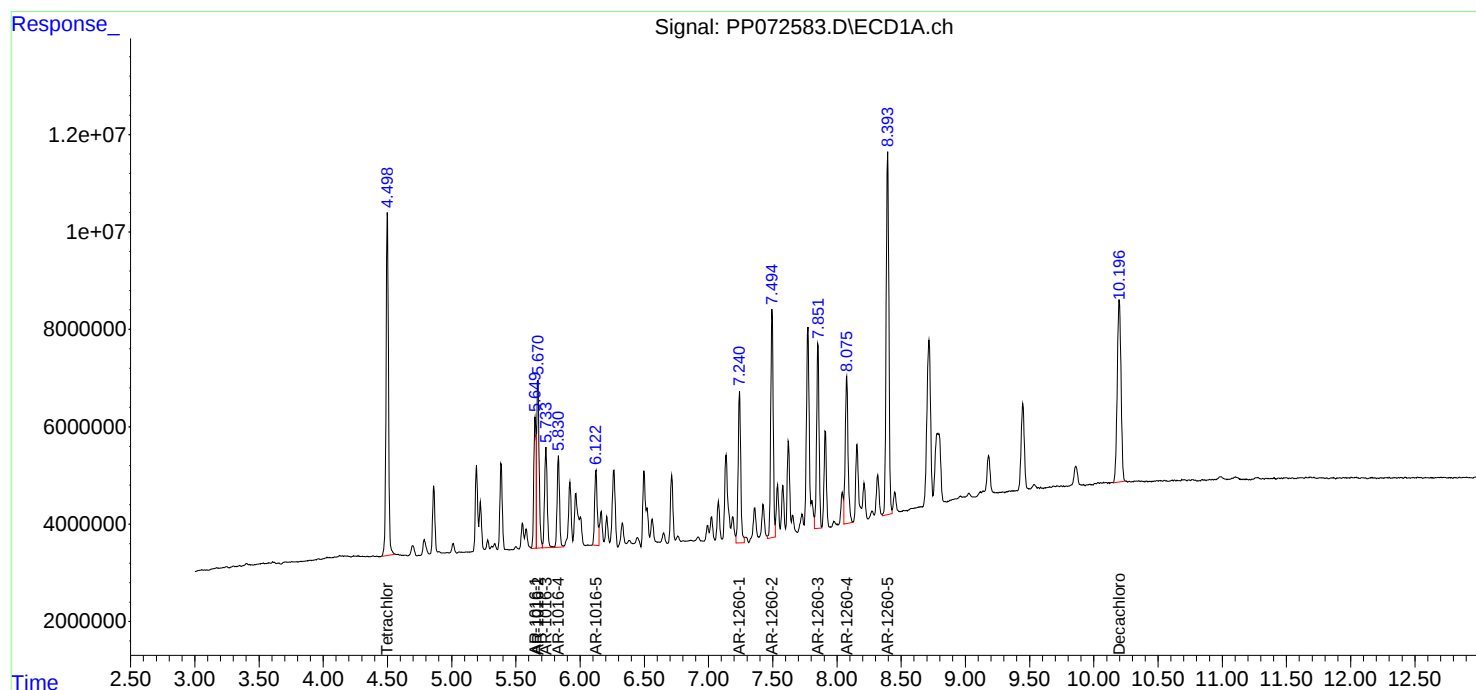
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:38:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 03:51 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 03:51 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	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		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL06 Date Analyzed: 06/04/2025

Lab Sample No.: AR1660CCC500 Data File : PP072598.D Time Analyzed: 03:51

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.651	5.552	5.752	412.490	500.000	-17.5
Aroclor-1016-2	5.673	5.574	5.774	443.380	500.000	-11.3
Aroclor-1016-3	5.735	5.636	5.836	442.870	500.000	-11.4
Aroclor-1016-4	5.832	5.734	5.934	457.390	500.000	-8.5
Aroclor-1016-5	6.124	6.027	6.227	458.290	500.000	-8.3
Aroclor-1260-1	7.241	7.147	7.347	486.770	500.000	-2.6
Aroclor-1260-2	7.495	7.401	7.601	454.090	500.000	-9.2
Aroclor-1260-3	7.853	7.760	7.960	452.580	500.000	-9.5
Aroclor-1260-4	8.077	7.985	8.185	450.360	500.000	-9.9
Aroclor-1260-5	8.395	8.303	8.503	469.550	500.000	-6.1
Decachlorobiphenyl	10.197	10.113	10.313	48.890	50.000	-2.2
Tetrachloro-m-xylene	4.499	4.396	4.596	46.450	50.000	-7.1



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL06 Date Analyzed: 06/04/2025

Lab Sample No.: AR1660CCC500 Data File : PP072598.D Time Analyzed: 03:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.875	4.777	4.977	489.340	500.000	-2.1
Aroclor-1016-2	4.893	4.795	4.995	496.050	500.000	-0.8
Aroclor-1016-3	5.069	4.973	5.173	496.260	500.000	-0.7
Aroclor-1016-4	5.112	5.015	5.215	481.770	500.000	-3.6
Aroclor-1016-5	5.325	5.229	5.429	585.340	500.000	17.1
Aroclor-1260-1	6.357	6.264	6.464	526.020	500.000	5.2
Aroclor-1260-2	6.546	6.453	6.653	483.260	500.000	-3.3
Aroclor-1260-3	6.698	6.606	6.806	502.650	500.000	0.5
Aroclor-1260-4	7.168	7.077	7.277	519.590	500.000	3.9
Aroclor-1260-5	7.410	7.319	7.519	517.000	500.000	3.4
Decachlorobiphenyl	8.808	8.723	8.923	53.670	50.000	7.3
Tetrachloro-m-xylene	3.794	3.691	3.891	49.930	50.000	-0.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
 Data File : PP072598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 03:51
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 04:22:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.499	3.794	93407648	79806490	46.453	49.930
2) SA Decachlor...	10.197	8.808	79644683	56819254	48.888m	53.674m
Target Compounds						
3) L1 AR-1016-1	5.651	4.875	30971621	30059906	412.495	489.340
4) L1 AR-1016-2	5.673	4.893	47438299	43548249	443.383	496.054
5) L1 AR-1016-3	5.735	5.069	29036747	23649236	442.870	496.265
6) L1 AR-1016-4	5.832	5.112	24365387	18329088	457.394	481.770
7) L1 AR-1016-5	6.124	5.325	22414663	29164471	458.291	585.345 #
31) L7 AR-1260-1	7.241	6.357	45559168	41951750	486.770	526.016
32) L7 AR-1260-2	7.495	6.546	65157507	49013121	454.092	483.258
33) L7 AR-1260-3	7.853	6.698	51535370	43681288	452.578	502.648
34) L7 AR-1260-4	8.077	7.168	48325137	37458017	450.363	519.594
35) L7 AR-1260-5	8.395	7.410	111.1E6	89763379	469.552	516.999

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 03:51
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

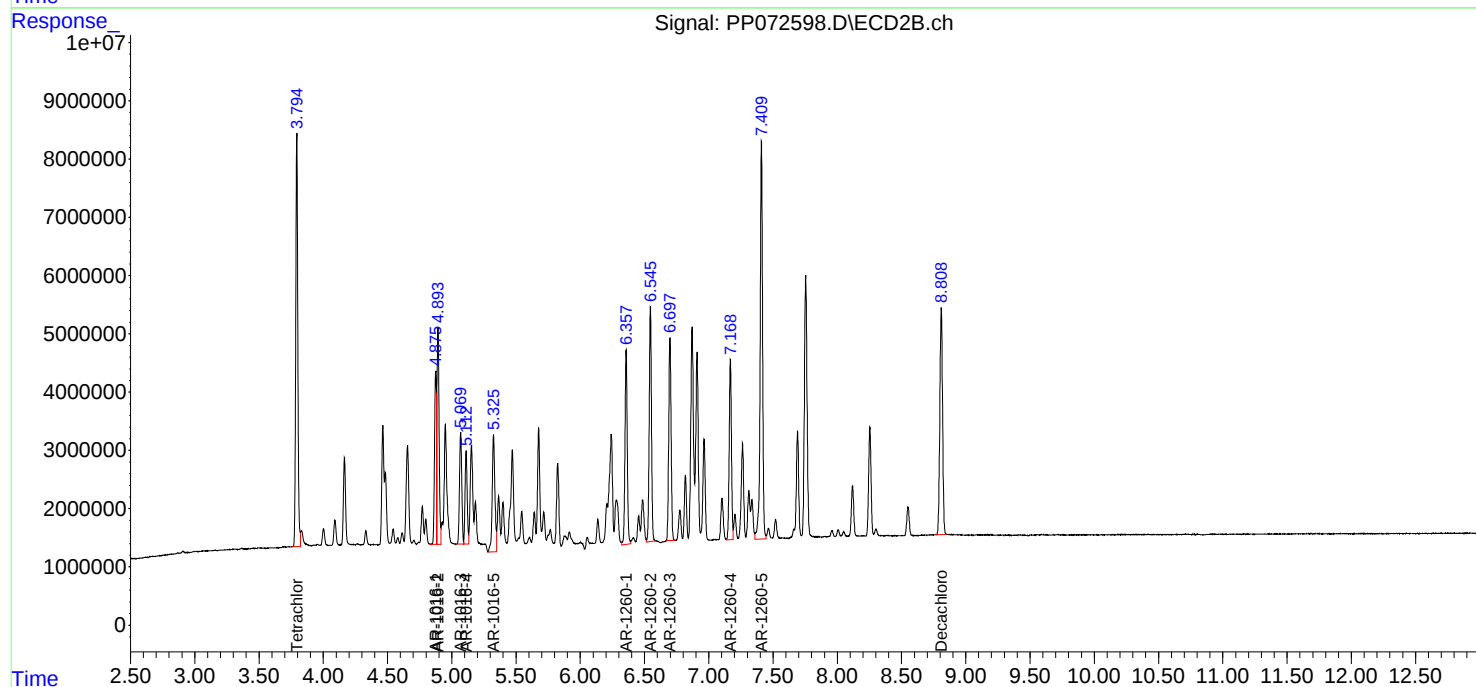
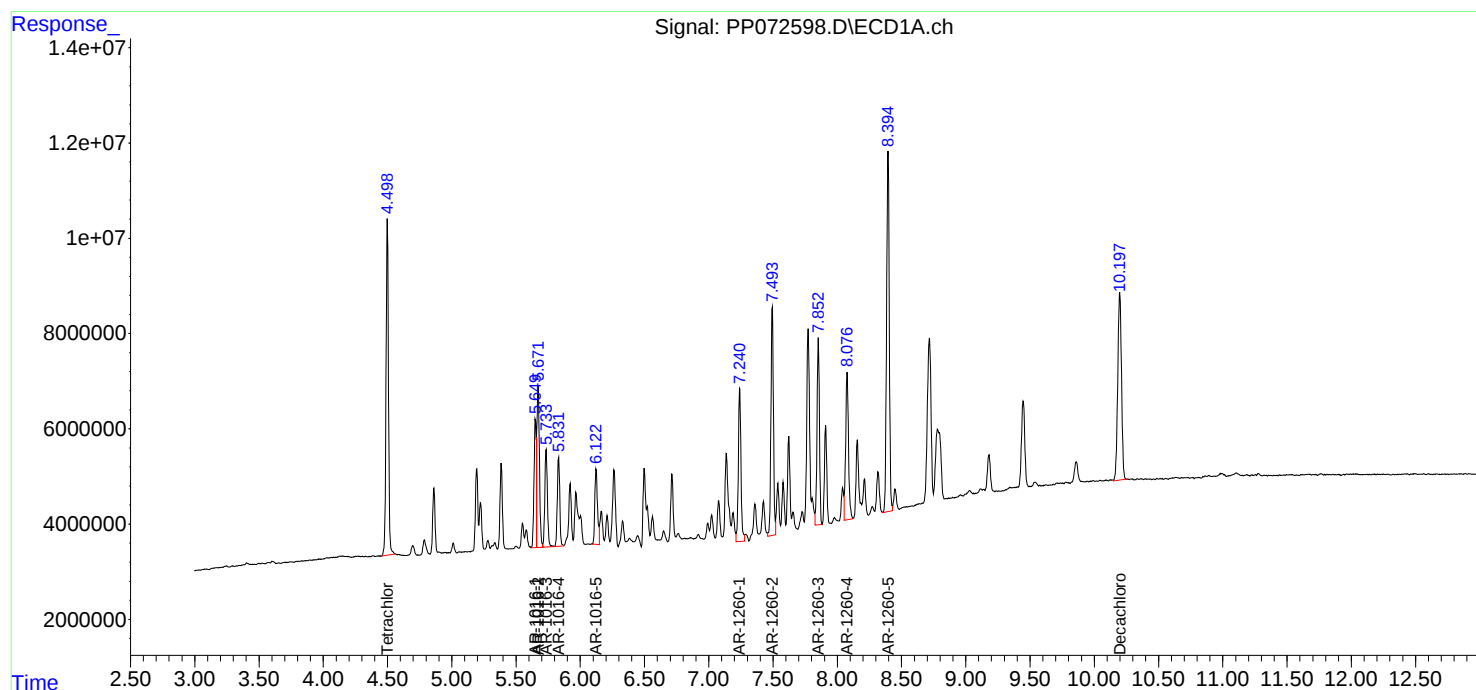
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 04:22:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 08:50 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.74	5.64	5.84	0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.13	6.03	6.23	0.01
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.49	7.50	7.40	7.60	0.01
Aroclor-1260-3	(3)	7.85	7.86	7.76	7.96	0.01
Aroclor-1260-4	(4)	8.07	8.09	7.99	8.19	0.02
Aroclor-1260-5	(5)	8.39	8.40	8.30	8.50	0.01
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.19	10.21	10.11	10.31	0.02



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 08:50 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	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		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL07 Date Analyzed: 06/04/2025

Lab Sample No.: AR1660CCC500 Data File : PP072604.D Time Analyzed: 08:50

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.648	5.552	5.752	415.340	500.000	-16.9
Aroclor-1016-2	5.669	5.574	5.774	441.250	500.000	-11.8
Aroclor-1016-3	5.732	5.636	5.836	441.300	500.000	-11.7
Aroclor-1016-4	5.828	5.734	5.934	456.060	500.000	-8.8
Aroclor-1016-5	6.120	6.027	6.227	444.840	500.000	-11.0
Aroclor-1260-1	7.239	7.147	7.347	437.310	500.000	-12.5
Aroclor-1260-2	7.492	7.401	7.601	440.050	500.000	-12.0
Aroclor-1260-3	7.850	7.760	7.960	453.880	500.000	-9.2
Aroclor-1260-4	8.074	7.985	8.185	455.700	500.000	-8.9
Aroclor-1260-5	8.393	8.303	8.503	475.780	500.000	-4.8
Decachlorobiphenyl	10.193	10.113	10.313	48.420	50.000	-3.2
Tetrachloro-m-xylene	4.496	4.396	4.596	46.020	50.000	-8.0



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL07 Date Analyzed: 06/04/2025

Lab Sample No.: AR1660CCC500 Data File : PP072604.D Time Analyzed: 08:50

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.874	4.777	4.977	467.590	500.000	-6.5
Aroclor-1016-2	4.893	4.795	4.995	476.230	500.000	-4.8
Aroclor-1016-3	5.069	4.973	5.173	481.410	500.000	-3.7
Aroclor-1016-4	5.111	5.015	5.215	490.810	500.000	-1.8
Aroclor-1016-5	5.324	5.229	5.429	482.150	500.000	-3.6
Aroclor-1260-1	6.356	6.264	6.464	503.880	500.000	0.8
Aroclor-1260-2	6.544	6.453	6.653	481.760	500.000	-3.6
Aroclor-1260-3	6.696	6.606	6.806	518.660	500.000	3.7
Aroclor-1260-4	7.167	7.077	7.277	515.270	500.000	3.1
Aroclor-1260-5	7.409	7.319	7.519	519.290	500.000	3.9
Decachlorobiphenyl	8.807	8.723	8.923	53.590	50.000	7.2
Tetrachloro-m-xylene	3.794	3.691	3.891	48.580	50.000	-2.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
 Data File : PP072604.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 08:50
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 14:18:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.496	3.794	92535580	77652050	46.019	48.582
2) SA Decachlor...	10.193	8.807	78876459	56735093	48.416m	53.594m
Target Compounds						
3) L1 AR-1016-1	5.648	4.874	31185338	28723535	415.341	467.585
4) L1 AR-1016-2	5.669	4.893	47210595	41807999	441.255	476.231
5) L1 AR-1016-3	5.732	5.069	28934065	22941553	441.304	481.414
6) L1 AR-1016-4	5.828	5.111	24294122	18672851	456.056	490.805
7) L1 AR-1016-5	6.120	5.324	21756857	24022930	444.842	482.152
31) L7 AR-1260-1	7.239	6.356	40930188	40185971	437.313	503.876
32) L7 AR-1260-2	7.492	6.544	63142086	48861592	440.046	481.764
33) L7 AR-1260-3	7.850	6.696	51683780	45072832	453.881	518.661m
34) L7 AR-1260-4	8.074	7.167	48897750	37146373	455.700	515.271
35) L7 AR-1260-5	8.393	7.409	112.6E6	90161786	475.784	519.293

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 08:50
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

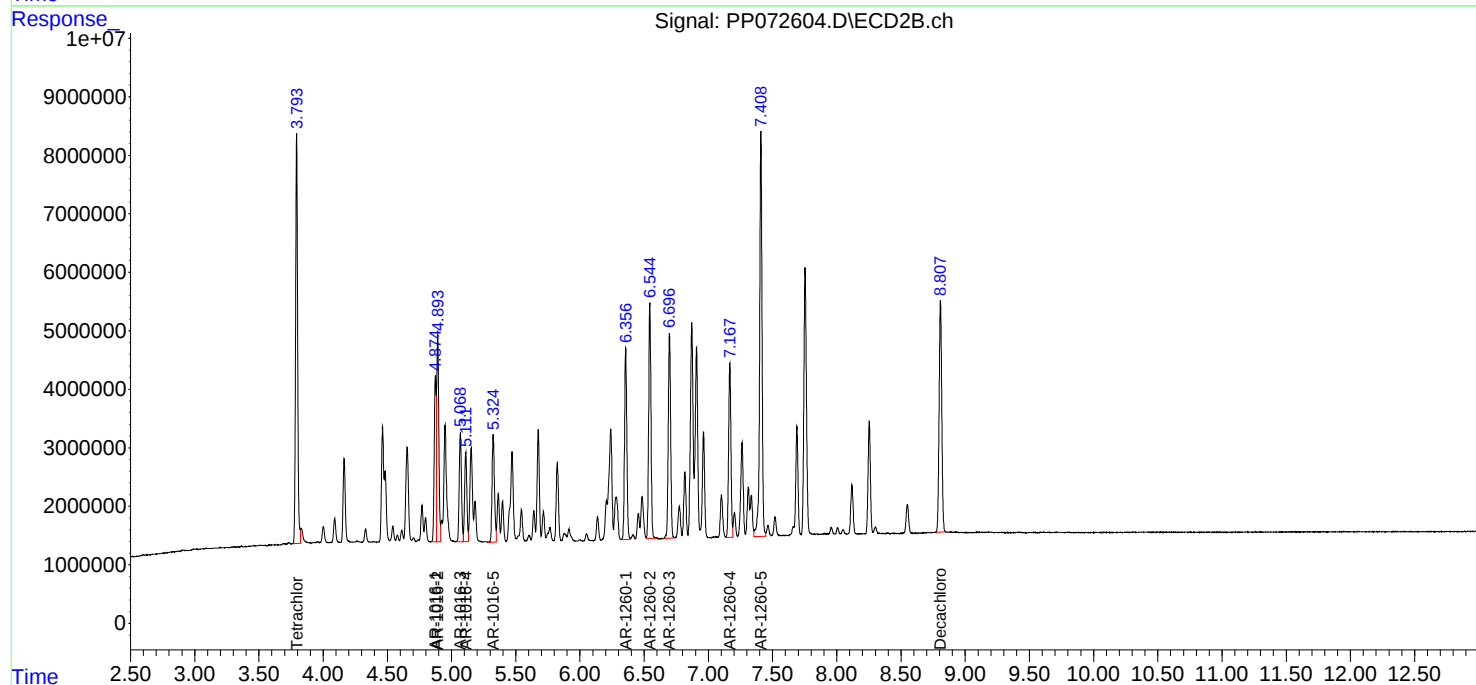
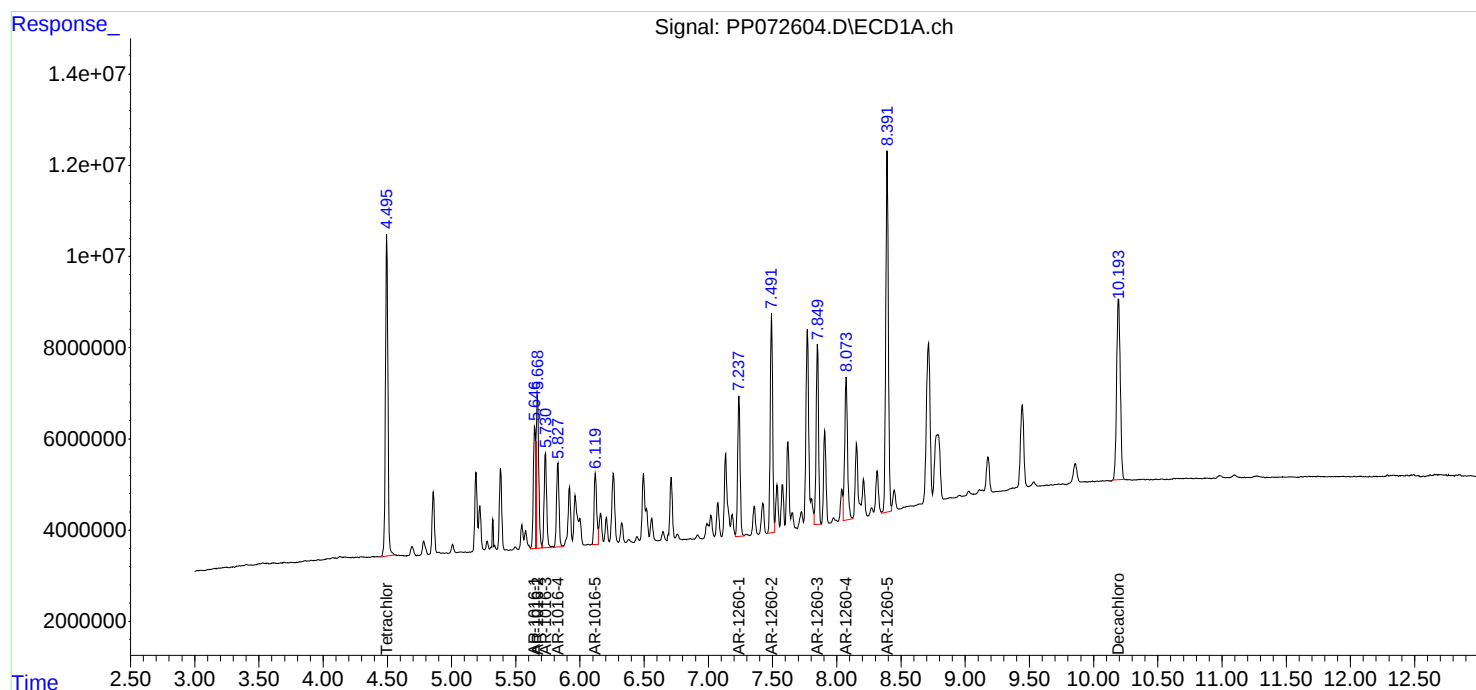
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:18:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 14:51 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.65	5.65	5.55	5.75	0.00
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.24	7.25	7.15	7.35	0.01
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.20	10.21	10.11	10.31	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 14:51 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	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	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL08 Date Analyzed: 06/04/2025

Lab Sample No.: AR1660CCC500 Data File : PP072619.D Time Analyzed: 14:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.653	5.552	5.752	408.380	500.000	-18.3
Aroclor-1016-2	5.674	5.574	5.774	446.380	500.000	-10.7
Aroclor-1016-3	5.736	5.636	5.836	438.840	500.000	-12.2
Aroclor-1016-4	5.834	5.734	5.934	447.960	500.000	-10.4
Aroclor-1016-5	6.126	6.027	6.227	453.310	500.000	-9.3
Aroclor-1260-1	7.243	7.147	7.347	454.670	500.000	-9.1
Aroclor-1260-2	7.497	7.401	7.601	456.280	500.000	-8.7
Aroclor-1260-3	7.857	7.760	7.960	575.660	500.000	15.1
Aroclor-1260-4	8.078	7.985	8.185	472.200	500.000	-5.6
Aroclor-1260-5	8.397	8.303	8.503	486.080	500.000	-2.8
Decachlorobiphenyl	10.199	10.113	10.313	50.400	50.000	0.8
Tetrachloro-m-xylene	4.501	4.396	4.596	46.060	50.000	-7.9



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL08 Date Analyzed: 06/04/2025

Lab Sample No.: AR1660CCC500 Data File : PP072619.D Time Analyzed: 14:51

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.878	4.777	4.977	478.490	500.000	-4.3
Aroclor-1016-2	4.896	4.795	4.995	490.280	500.000	-1.9
Aroclor-1016-3	5.072	4.973	5.173	492.560	500.000	-1.5
Aroclor-1016-4	5.114	5.015	5.215	499.290	500.000	-0.1
Aroclor-1016-5	5.328	5.229	5.429	516.590	500.000	3.3
Aroclor-1260-1	6.359	6.264	6.464	500.890	500.000	0.2
Aroclor-1260-2	6.548	6.453	6.653	478.230	500.000	-4.4
Aroclor-1260-3	6.700	6.606	6.806	510.370	500.000	2.1
Aroclor-1260-4	7.170	7.077	7.277	505.570	500.000	1.1
Aroclor-1260-5	7.412	7.319	7.519	505.920	500.000	1.2
Decachlorobiphenyl	8.811	8.723	8.923	53.050	50.000	6.1
Tetrachloro-m-xylene	3.797	3.691	3.891	49.150	50.000	-1.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
 Data File : PP072619.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 14:51
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 18:16:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.501	3.797	92617403	78551513	46.060	49.145
2) SA Decachlor...	10.199	8.811	82114810	56160171	50.404m	53.051m
Target Compounds						
3) L1 AR-1016-1	5.653	4.878	30662450	29393360	408.377	478.489
4) L1 AR-1016-2	5.674	4.896	47758879	43041652	446.379	490.283
5) L1 AR-1016-3	5.736	5.072	28772492	23472870	438.840	492.564
6) L1 AR-1016-4	5.834	5.114	23862702	18995694	447.958	499.291
7) L1 AR-1016-5	6.126	5.328	22171251	25738637	453.315	516.587
31) L7 AR-1260-1	7.243	6.359	42554363	39947930	454.666	500.891
32) L7 AR-1260-2	7.497	6.548	65471792	48502883	456.282	478.228
33) L7 AR-1260-3	7.857	6.700	65550447	44352082	575.656	510.367m
34) L7 AR-1260-4	8.078	7.170	50668703	36447228	472.204	505.573
35) L7 AR-1260-5	8.397	7.412	115.0E6	87840316	486.083	505.923

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 14:51
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

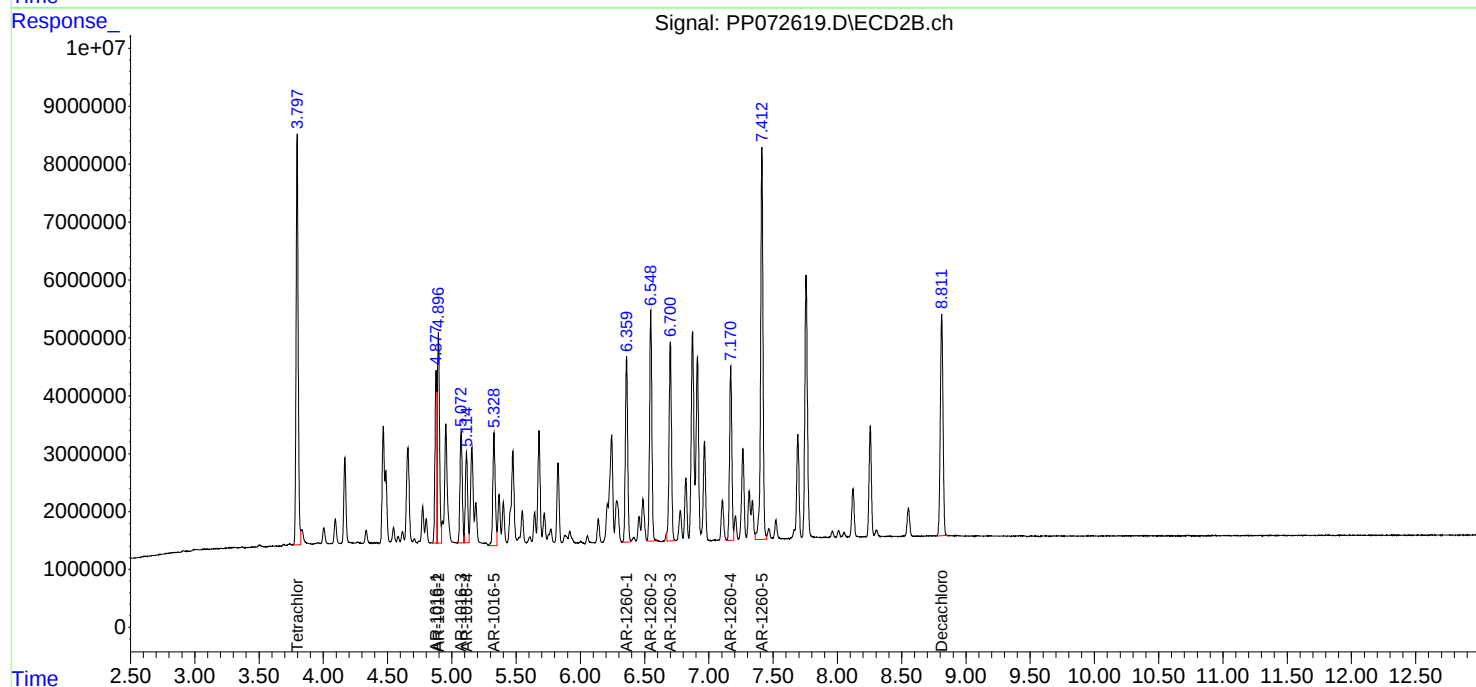
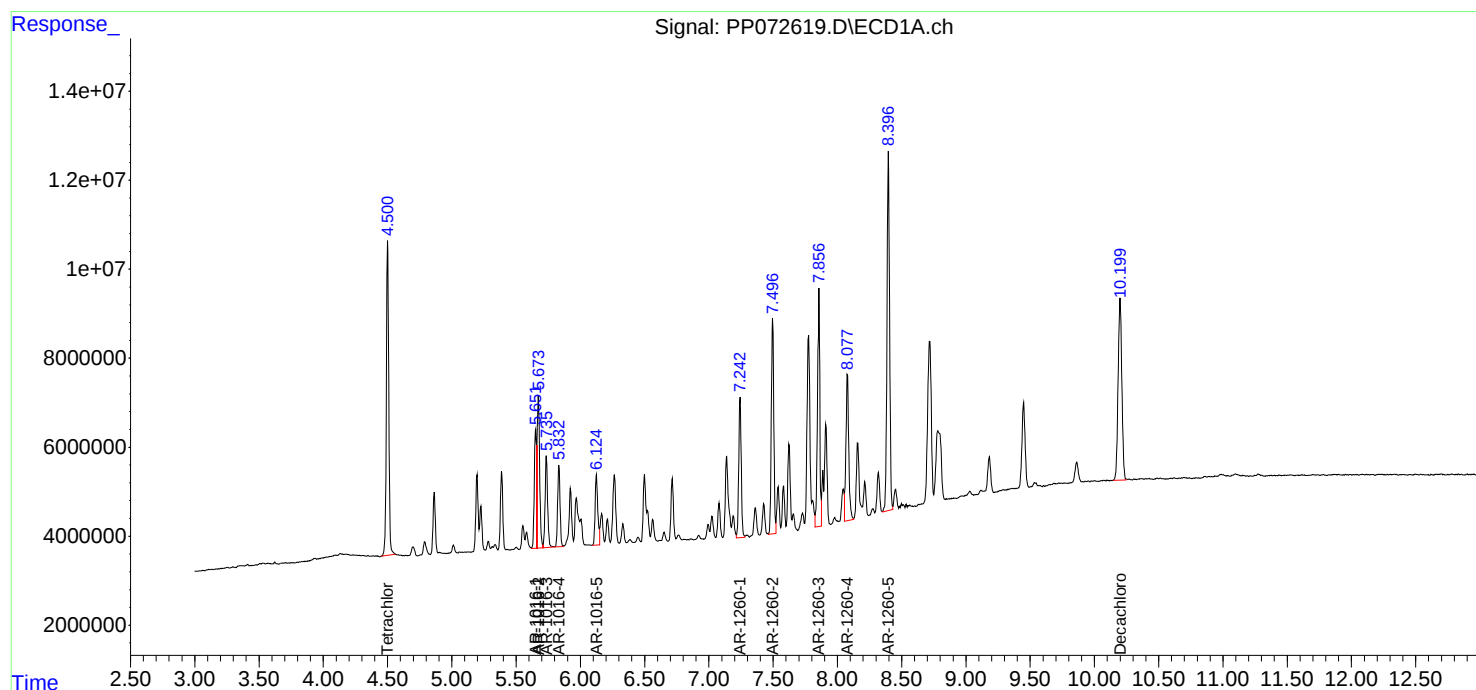
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 18:16:37 2025
Quant Method: Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Portal Partners Tri-Venture

SDG No.: Q2177

Project: Amtrak Sawtooth Bridges 2025

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/14/2025 05/14/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/14/2025	17:01	PO111057.D	8.72	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.73	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.73	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.72	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.72	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.72	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.72	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.72	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.72	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.72	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.73	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.72	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.72	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.72	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.72	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.72	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.72	3.68
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.72	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.73	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.73	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.72	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.72	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.72	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.73	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.72	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.72	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.73	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.72	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.72	3.68
AR1660CCC500	AR1660CCC500	06/03/2025	16:42	PO111433.D	8.72	3.68
IBLK	IBLK	06/03/2025	18:14	PO111437.D	8.72	3.68
EB05312025	Q2177-08	06/03/2025	20:41	PO111445.D	8.72	3.68
AR1660CCC500	AR1660CCC500	06/03/2025	22:13	PO111447.D	8.72	3.68
IBLK	IBLK	06/03/2025	23:44	PO111451.D	8.72	3.68
IBLK	IBLK	05/19/2025	09:26	PP072163.D	10.21	4.50
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	10.21	4.50
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	10.21	4.50
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	10.21	4.50
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	10.21	4.50
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	10.21	4.50
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	10.21	4.50
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	10.21	4.50

Analytical Sequence

AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	10.22	4.50
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	10.21	4.50
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	10.22	4.50
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	10.21	4.50
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	10.22	4.50
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	10.22	4.50
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	10.22	4.51
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	10.21	4.50
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	10.22	4.50
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	10.22	4.51
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	10.21	4.50
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	10.22	4.50
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	10.22	4.50
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	10.21	4.50
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	10.22	4.50
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	10.22	4.50
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	10.22	4.50
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	10.22	4.50
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	10.22	4.50
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	10.22	4.50
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	10.22	4.50
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	10.22	4.51
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	10.22	4.50
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	10.21	4.50
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	10.22	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	10:22	PP072553.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	11:27	PP072557.D	10.19	4.50
PB168252BL	PB168252BL	06/03/2025	13:28	PP072558.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	16:59	PP072568.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	18:21	PP072572.D	10.20	4.50
TP-28MS	Q2176-05MS	06/03/2025	18:53	PP072574.D	10.20	4.50
TP-28MSD	Q2176-05MSD	06/03/2025	19:10	PP072575.D	10.20	4.50
B-187-SB01	Q2177-02	06/03/2025	20:15	PP072579.D	10.20	4.50
B-187-SB02	Q2177-04	06/03/2025	20:31	PP072580.D	10.19	4.50
B-202-SB01	Q2177-06	06/03/2025	20:48	PP072581.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	22:25	PP072583.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	23:47	PP072587.D	10.19	4.50
PB168257BL	PB168257BL	06/04/2025	00:35	PP072590.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	03:51	PP072598.D	10.20	4.50
I.BLK	I.BLK	06/04/2025	05:12	PP072602.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	08:50	PP072604.D	10.19	4.50
I.BLK	I.BLK	06/04/2025	10:00	PP072608.D	10.20	4.50
PB168257BS	PB168257BS	06/04/2025	10:16	PP072609.D	10.20	4.50
PB168257BSD	PB168257BSD	06/04/2025	10:32	PP072610.D	10.19	4.50
PB168252BS	PB168252BS	06/04/2025	11:37	PP072614.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	14:51	PP072619.D	10.20	4.50
I.BLK	I.BLK	06/04/2025	15:56	PP072623.D	10.20	4.50

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2177
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 05/14/2025 05/14/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/14/2025	17:01	PO111057.D	8.67	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.67	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.67	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.67	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.68	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.67	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.67	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.68	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.67	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.67	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.67	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.67	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.67	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.67	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.67	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.68	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.69	3.69
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.67	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.67	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.67	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.67	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.67	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.67	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.67	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.67	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.67	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.67	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.67	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.67	3.68
AR1660CCC500	AR1660CCC500	06/03/2025	16:42	PO111433.D	8.67	3.68
IBLK	IBLK	06/03/2025	18:14	PO111437.D	8.67	3.68
EB05312025	Q2177-08	06/03/2025	20:41	PO111445.D	8.67	3.68
AR1660CCC500	AR1660CCC500	06/03/2025	22:13	PO111447.D	8.67	3.68
IBLK	IBLK	06/03/2025	23:44	PO111451.D	8.67	3.68
IBLK	IBLK	05/19/2025	09:26	PP072163.D	8.82	3.79
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	8.82	3.79
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	8.82	3.79
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	8.82	3.79
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	8.82	3.79
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	8.82	3.79
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	8.82	3.79
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	8.82	3.80

Analytical Sequence

AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	8.82	3.80
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	8.82	3.80
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	8.82	3.80
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	8.83	3.80
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	8.83	3.80
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	8.83	3.80
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	8.83	3.80
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	8.83	3.80
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	8.83	3.80
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	8.83	3.80
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	8.83	3.80
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	8.83	3.80
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	8.83	3.80
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	8.83	3.80
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	8.83	3.80
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	8.83	3.80
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	8.83	3.80
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	8.83	3.80
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	8.83	3.80
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	8.82	3.80
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	8.82	3.80
AR1660CCC500	AR1660CCC500	06/03/2025	10:22	PP072553.D	8.81	3.79
I.BLK	I.BLK	06/03/2025	11:27	PP072557.D	8.81	3.79
PB168252BL	PB168252BL	06/03/2025	13:28	PP072558.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/03/2025	16:59	PP072568.D	8.81	3.80
I.BLK	I.BLK	06/03/2025	18:21	PP072572.D	8.81	3.80
TP-28MS	Q2176-05MS	06/03/2025	18:53	PP072574.D	8.81	3.80
TP-28MSD	Q2176-05MSD	06/03/2025	19:10	PP072575.D	8.81	3.79
B-187-SB01	Q2177-02	06/03/2025	20:15	PP072579.D	8.81	3.80
B-187-SB02	Q2177-04	06/03/2025	20:31	PP072580.D	8.81	3.80
B-202-SB01	Q2177-06	06/03/2025	20:48	PP072581.D	8.81	3.80
AR1660CCC500	AR1660CCC500	06/03/2025	22:25	PP072583.D	8.81	3.79
I.BLK	I.BLK	06/03/2025	23:47	PP072587.D	8.81	3.79
PB168257BL	PB168257BL	06/04/2025	00:35	PP072590.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	03:51	PP072598.D	8.81	3.79
I.BLK	I.BLK	06/04/2025	05:12	PP072602.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	08:50	PP072604.D	8.81	3.79
I.BLK	I.BLK	06/04/2025	10:00	PP072608.D	8.81	3.79
PB168257BS	PB168257BS	06/04/2025	10:16	PP072609.D	8.81	3.80
PB168257BSD	PB168257BSD	06/04/2025	10:32	PP072610.D	8.81	3.79
PB168252BS	PB168252BS	06/04/2025	11:37	PP072614.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	14:51	PP072619.D	8.81	3.80
I.BLK	I.BLK	06/04/2025	15:56	PP072623.D	8.81	3.80

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-28MS

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: Q2176-05MS Date(s) Analyzed: 06/03/2025 06/03/2025

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 PP072574.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.652	5.602	5.702	141	150	11.32
COLUMN 1	2	5.673	5.623	5.723	153		
	3	5.735	5.685	5.785	150		
	4	5.832	5.782	5.882	156		
	5	6.125	6.075	6.175	148		
	1	4.877	4.827	4.927	166		
COLUMN 2	2	4.895	4.845	4.945	169	168	
	3	5.071	5.021	5.121	171		
	4	5.113	5.063	5.163	170		
	5	5.327	5.277	5.377	164		
Aroclor-1260	1	7.242	7.192	7.292	161	140	13.95
COLUMN 1	2	7.495	7.445	7.545	142		
	3	7.854	7.804	7.904	125		
	4	8.076	8.026	8.126	138		
	5	8.396	8.346	8.446	134		
	1	6.358	6.308	6.408	178		
COLUMN 2	2	6.548	6.498	6.598	162	161	
	3	6.7	6.65	6.75	171		
	4	7.17	7.12	7.22	150		
	5	7.412	7.362	7.462	145		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-28MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: Q2176-05MSD Date(s) Analyzed: 06/03/2025 06/03/2025

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 PP072575.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.654	5.604	5.704	121	128	10.37
COLUMN 1	2	5.676	5.626	5.726	130		
	3	5.737	5.687	5.787	129		
	4	5.835	5.785	5.885	136		
	5	6.127	6.077	6.177	126		
	1	4.876	4.826	4.926	141		
COLUMN 2	2	4.894	4.844	4.944	142	142	
	3	5.071	5.021	5.121	144		
	4	5.113	5.063	5.163	144		
	5	5.326	5.276	5.376	139		
Aroclor-1260	1	7.245	7.195	7.295	131	117	17.19
COLUMN 1	2	7.498	7.448	7.548	120		
	3	7.857	7.807	7.907	106		
	4	8.081	8.031	8.131	117		
	5	8.399	8.349	8.449	112		
	1	6.359	6.309	6.409	154		
COLUMN 2	2	6.547	6.497	6.597	140	139	
	3	6.699	6.649	6.749	148		
	4	7.169	7.119	7.219	130		
	5	7.411	7.361	7.461	125		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168257BS

Contract: PORT06

Lab Code: CHEM

Case No.: Q2177

SAS No.: Q2177

SDG NO.: Q2177

Lab Sample ID: PB168257BS

Date(s) Analyzed: 06/04/2025

06/04/2025

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 PP072609.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.649	5.599	5.699	3.89	4.10	11.49
COLUMN 1	2	5.671	5.621	5.721	4.21		
	3	5.733	5.683	5.783	4.16		
	4	5.83	5.78	5.88	4.33		
	5	6.122	6.072	6.172	4.10		
	1	4.875	4.825	4.925	4.54		
COLUMN 2	2	4.893	4.843	4.943	4.61	4.60	
	3	5.07	5.02	5.12	4.60		
	4	5.112	5.062	5.162	4.62		
	5	5.326	5.276	5.376	4.50		
Aroclor-1260	1	7.24	7.19	7.29	4.44	4.20	11.24
COLUMN 1	2	7.494	7.444	7.544	4.44		
	3	7.852	7.802	7.902	3.90		
	4	8.076	8.026	8.126	4.16		
	5	8.394	8.344	8.444	4.15		
	1	6.357	6.307	6.407	4.99		
COLUMN 2	2	6.545	6.495	6.595	4.77	4.70	
	3	6.698	6.648	6.748	5.07		
	4	7.168	7.118	7.218	4.47		
	5	7.41	7.36	7.46	4.43		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168257BSD

Contract: PORT06

Lab Code: CHEM

Case No.: Q2177

SAS No.: Q2177

SDG NO.: Q2177

Lab Sample ID: PB168257BSD

Date(s) Analyzed: 06/04/2025

06/04/2025

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 PP072610.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.648	5.598	5.698	3.90	4.10	11.49
COLUMN 1	2	5.67	5.62	5.72	4.20		
	3	5.732	5.682	5.782	4.12		
	4	5.83	5.78	5.88	4.33		
	5	6.122	6.072	6.172	4.12		
	1	4.875	4.825	4.925	4.51		
COLUMN 2	2	4.893	4.843	4.943	4.60	4.60	
	3	5.07	5.02	5.12	4.63		
	4	5.111	5.061	5.161	4.64		
	5	5.325	5.275	5.375	4.48		
Aroclor-1260	1	7.239	7.189	7.289	4.40	4.20	11.24
COLUMN 1	2	7.492	7.442	7.542	4.42		
	3	7.851	7.801	7.901	3.78		
	4	8.074	8.024	8.124	4.06		
	5	8.393	8.343	8.443	4.16		
	1	6.357	6.307	6.407	4.90		
COLUMN 2	2	6.546	6.496	6.596	4.64	4.70	
	3	6.698	6.648	6.748	4.91		
	4	7.168	7.118	7.218	4.42		
	5	7.41	7.36	7.46	4.39		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168252BS

Contract: PORT06

Lab Code: CHEM

Case No.: Q2177

SAS No.: Q2177

SDG NO.: Q2177

Lab Sample ID: PB168252BS

Date(s) Analyzed: 06/04/2025

06/04/2025

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 PP072614.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.652	5.602	5.702	131	140	8.87
COLUMN 1	2	5.673	5.623	5.723	143		
	3	5.735	5.685	5.785	143		
	4	5.832	5.782	5.882	146		
	5	6.125	6.075	6.175	139		
	1	4.875	4.825	4.925	152		
COLUMN 2	2	4.893	4.843	4.943	155	153	
	3	5.069	5.019	5.119	156		
	4	5.111	5.061	5.161	156		
	5	5.325	5.275	5.375	148		
Aroclor-1260	1	7.242	7.192	7.292	146	144	8.64
COLUMN 1	2	7.496	7.446	7.546	148		
	3	7.853	7.803	7.903	129		
	4	8.078	8.028	8.128	137		
	5	8.399	8.349	8.449	159		
	1	6.357	6.307	6.407	165	157	
COLUMN 2	2	6.546	6.496	6.596	156		
	3	6.697	6.647	6.747	167		
	4	7.167	7.117	7.217	150		
	5	7.409	7.359	7.459	147		



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168252BL	SDG No.:	Q2177
Lab Sample ID:	PB168252BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072558.D	1	06/03/25 09:30	06/03/25 13:28	PB168252

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	21.1		30 (32) - 150 (144)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		30 (32) - 150 (175)	113%	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\PP060325\
 Data File : PP072558.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 13:28
 Operator : YP\AJ
 Sample : PB168252BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB168252BL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 03 14:08:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.500	3.794	39017773	33662485	19.404	21.061
2) SA Decachlor...	10.200	8.809	33339459	23871164	20.465m	22.550m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:28
Operator : YP\AJ
Sample : PB168252BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

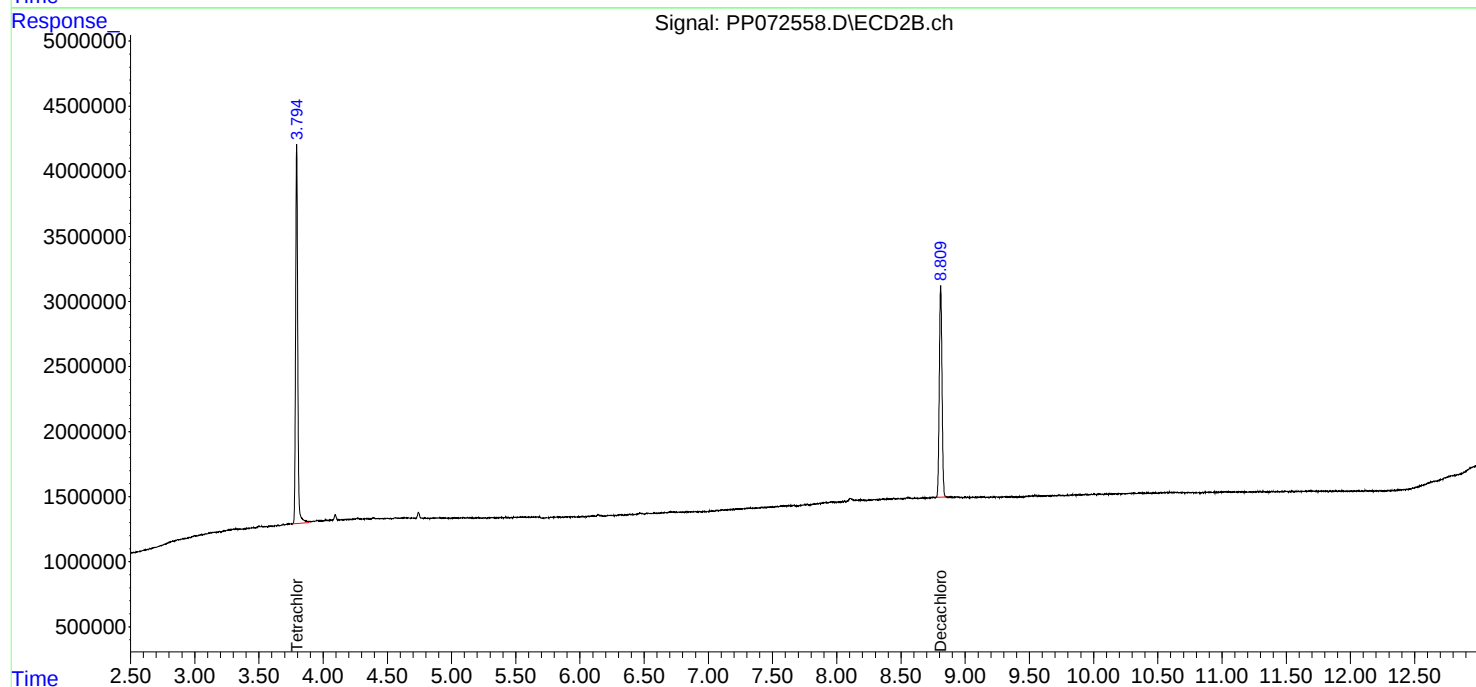
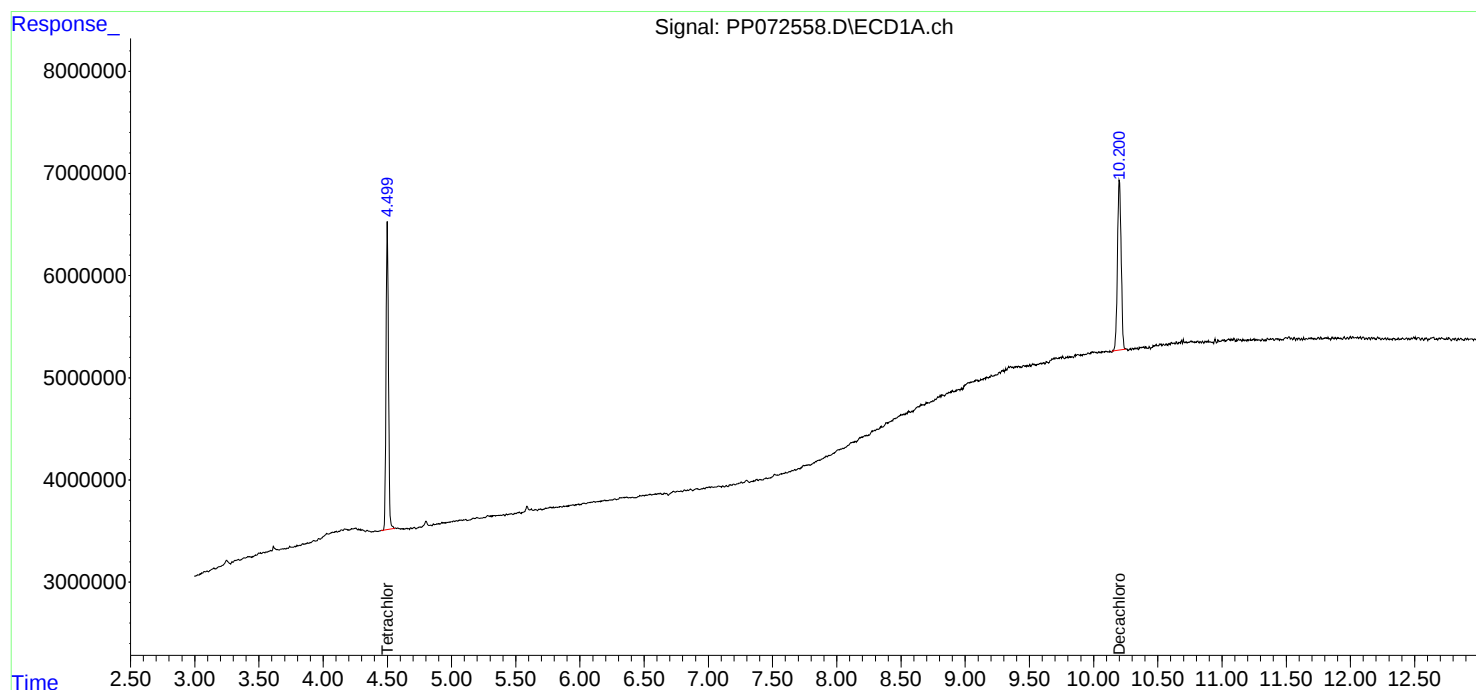
Instrument :
ECD_P
ClientSampleId :
PB168252BL

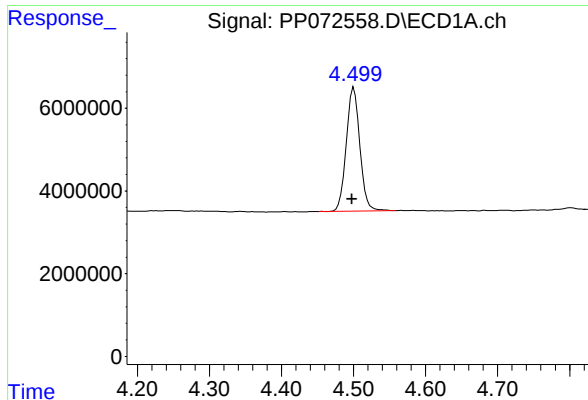
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 14:08:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





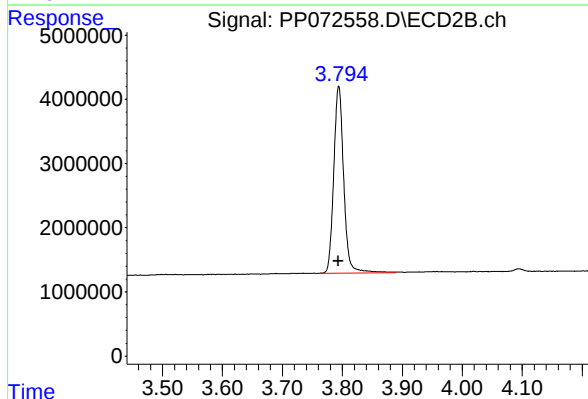
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 39017773
Conc: 19.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168252BL

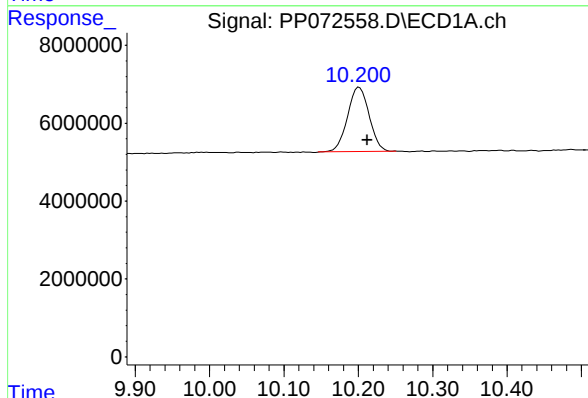
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



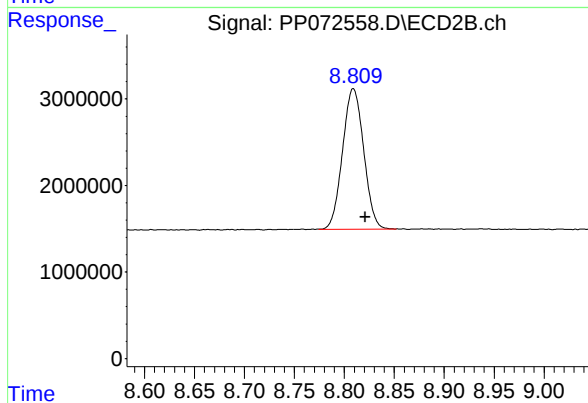
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 33662485
Conc: 21.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.200 min
Delta R.T.: -0.012 min
Response: 33339459
Conc: 20.46 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.809 min
Delta R.T.: -0.013 min
Response: 23871164
Conc: 22.55 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168257BL	SDG No.:	Q2177
Lab Sample ID:	PB168257BL	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072590.D	1	06/03/25 09:03	06/04/25 00:35	PB168257

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
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
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		30 (30) - 150 (173)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.1		30 (10) - 150 (173)	121%	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\PP060325\
 Data File : PP072590.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 00:35
 Operator : YP\AJ
 Sample : PB168257BL
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB168257BL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:40:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.498	3.794	38233352	32802243	19.014	20.522
2) SA Decachlor...	10.195	8.807	33994803	25529702	20.867m	24.116m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 00:35
Operator : YP\AJ
Sample : PB168257BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

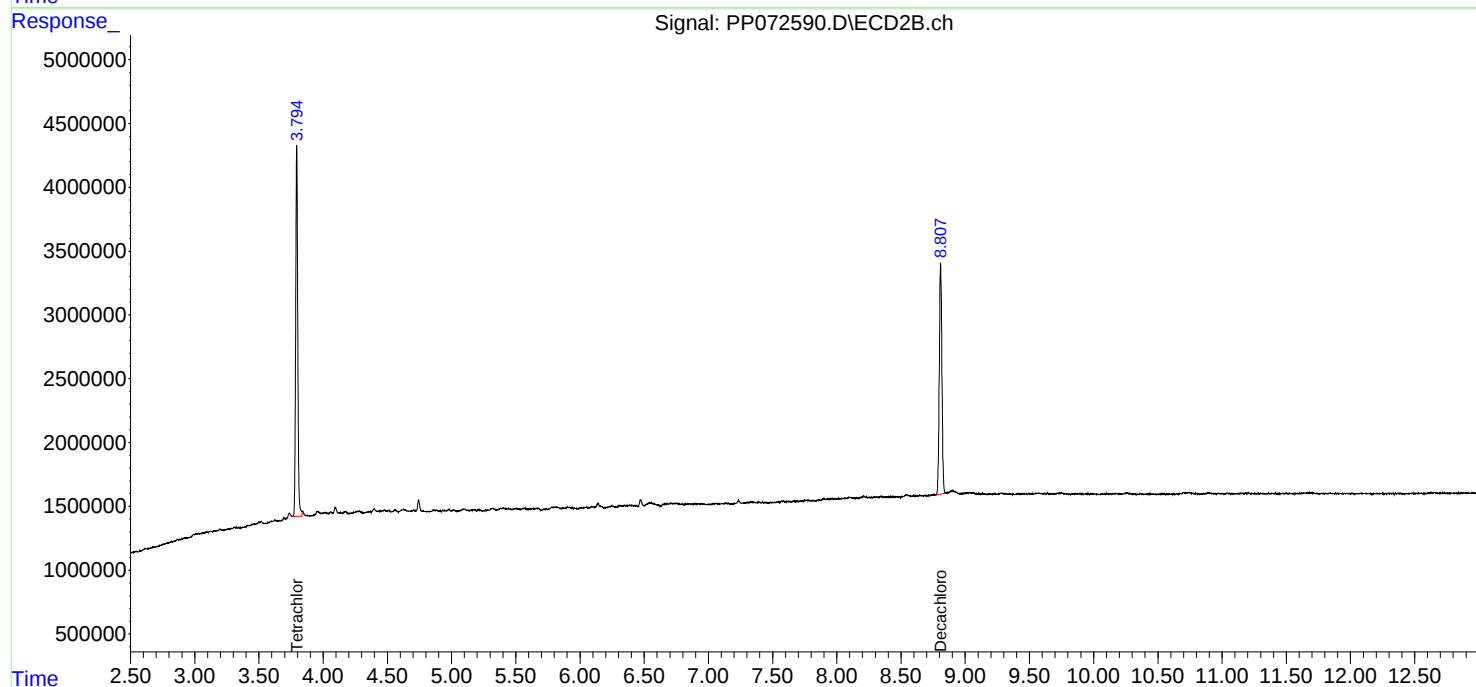
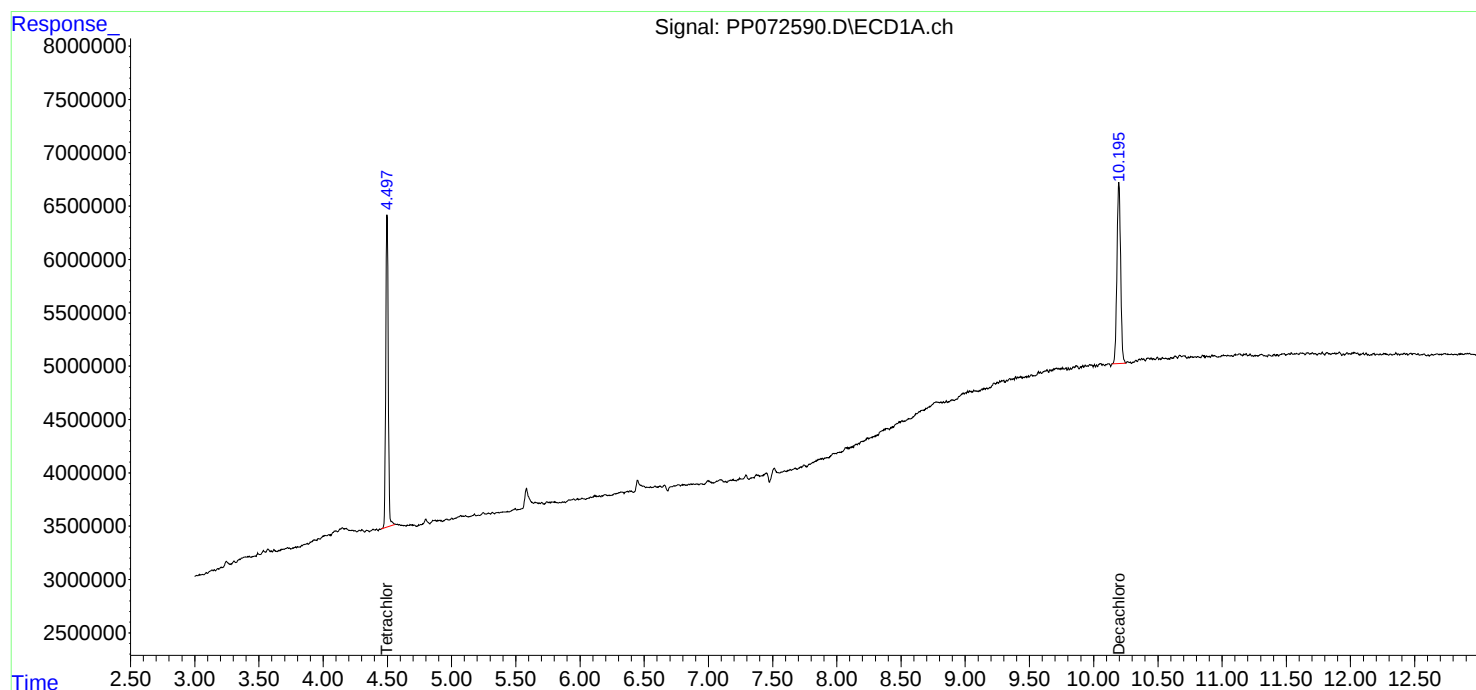
Instrument :
ECD_P
ClientSampleId :
PB168257BL

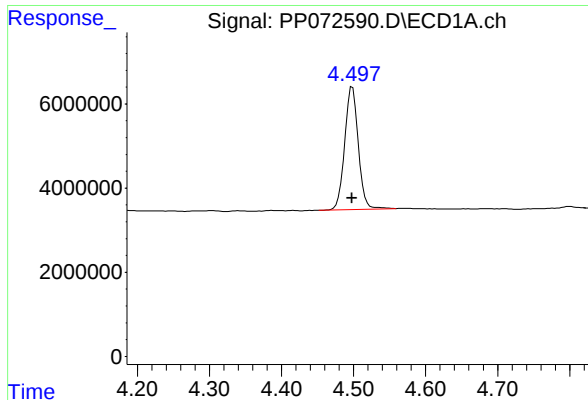
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:40:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





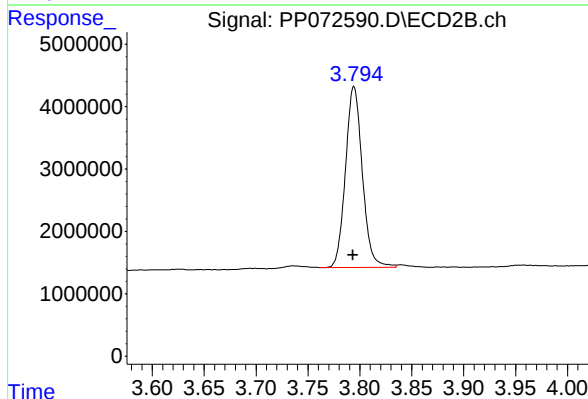
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 38233352
Conc: 19.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168257BL

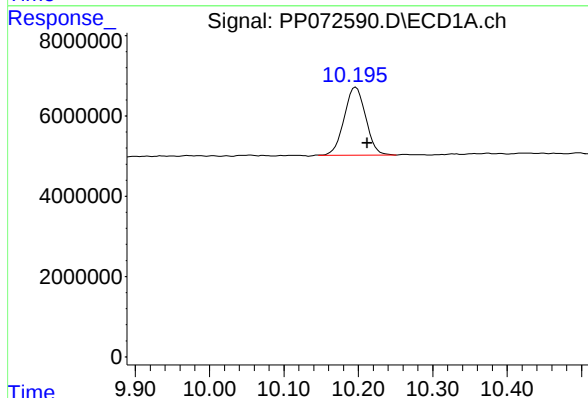
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



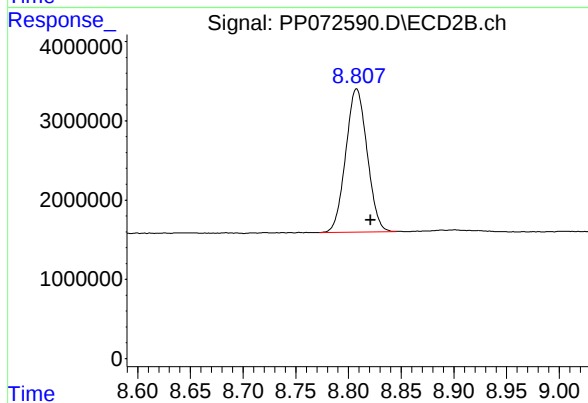
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 32802243
Conc: 20.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.195 min
Delta R.T.: -0.017 min
Response: 33994803
Conc: 20.87 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 25529702
Conc: 24.12 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/14/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/14/25
Client Sample ID:	PIBLK-PO111057.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PO111057.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111057.D	1		05/14/25	PO051525

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	15.4		70 (60) - 130 (140)	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		70 (60) - 130 (140)	87%	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\PO051525\
 Data File : PO111057.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 17:01
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:39:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 06:36:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.683	3.679	96561347	84147358	16.413	15.436
2) SA Decachlor...	8.723	8.674	90198524	33203686	17.471	17.947

Target Compounds

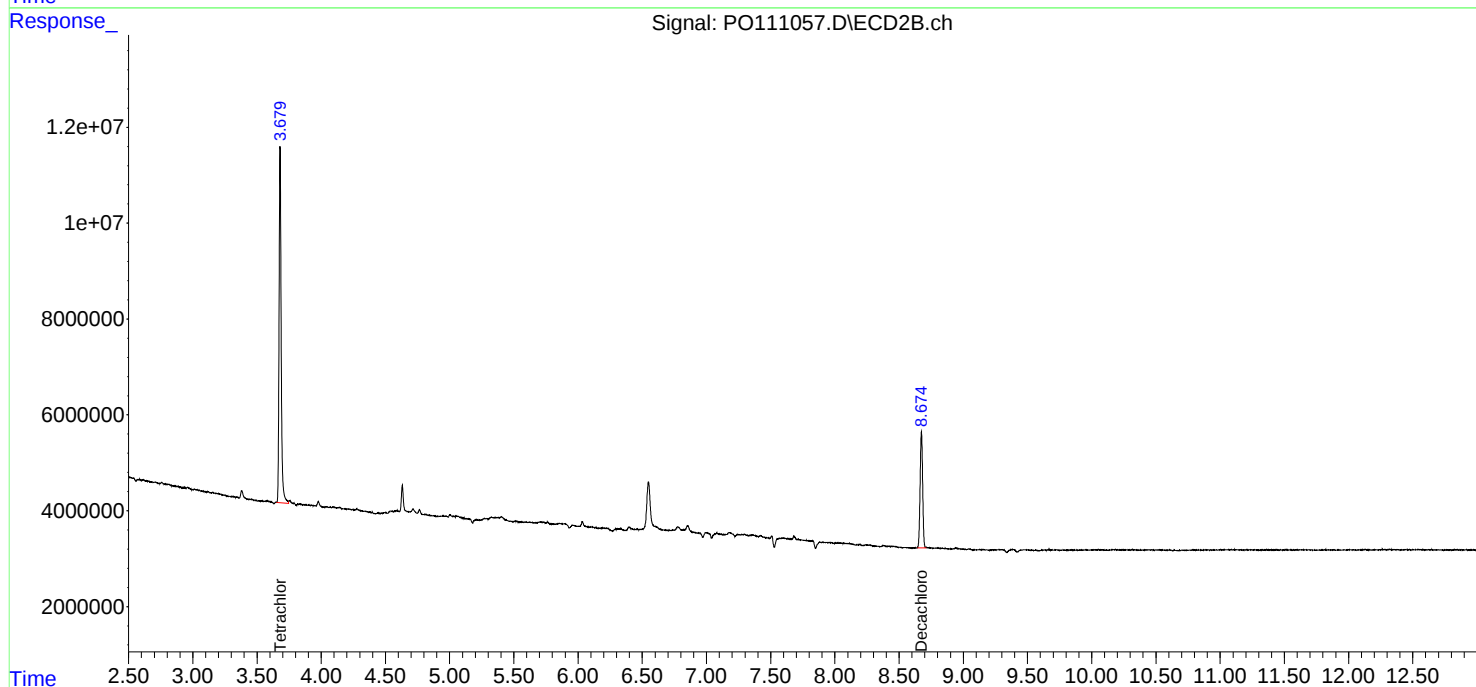
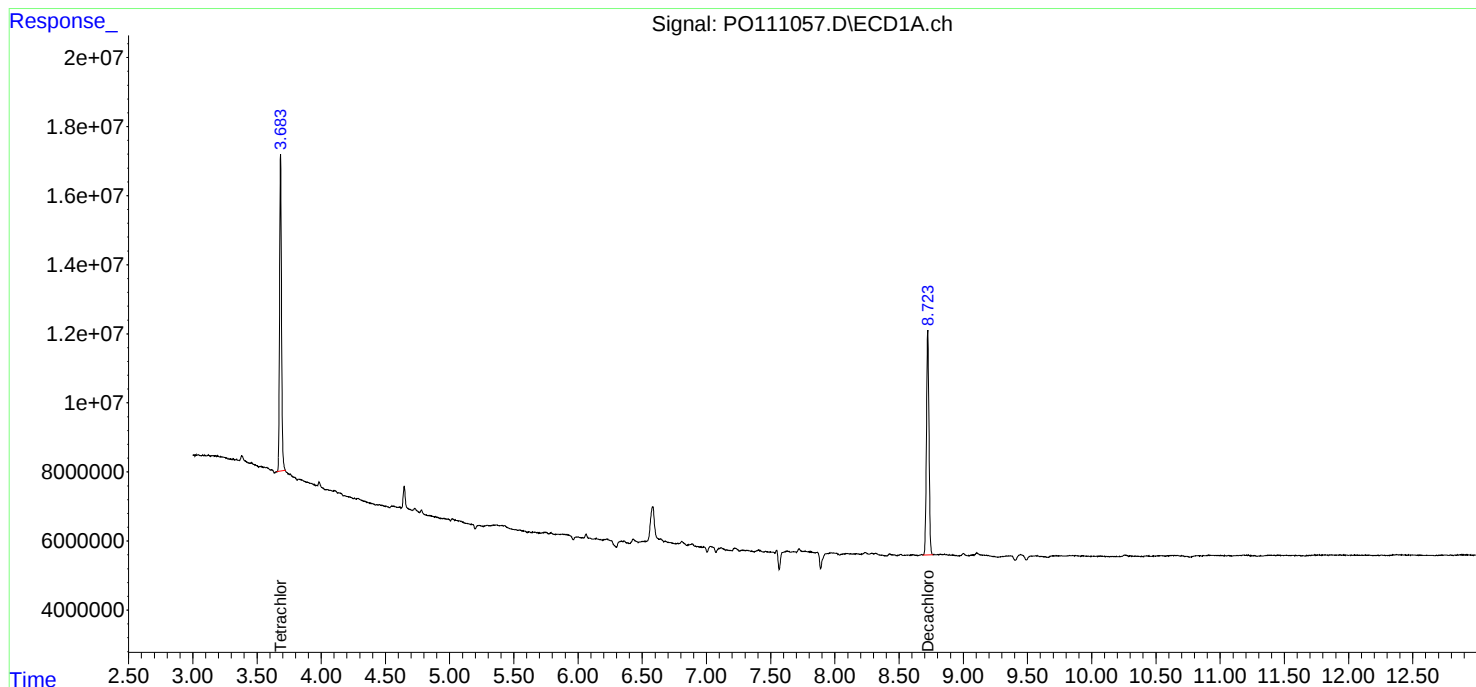
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

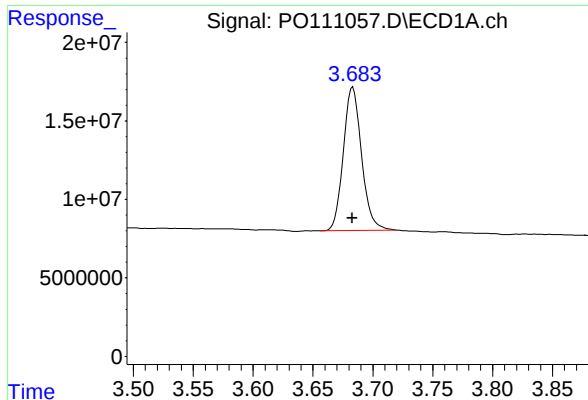
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO051525\
Data File : PO111057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:01
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 06:36:57 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

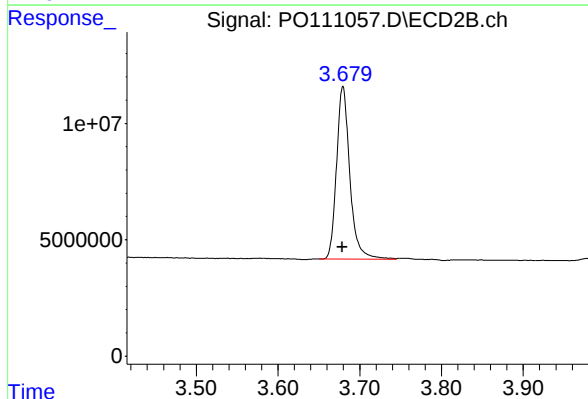




#1 Tetrachloro-m-xylene

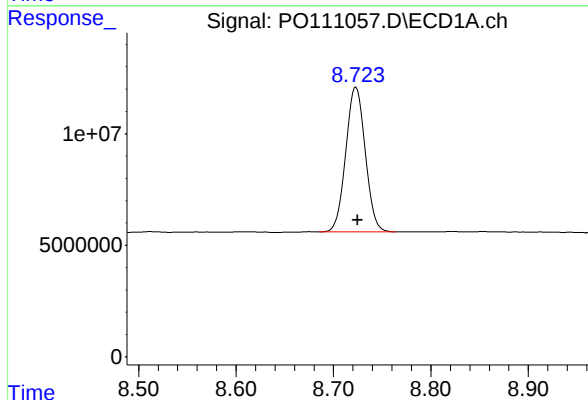
R.T.: 3.683 min
Delta R.T.: 0.000 min
Response: 96561347
Conc: 16.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



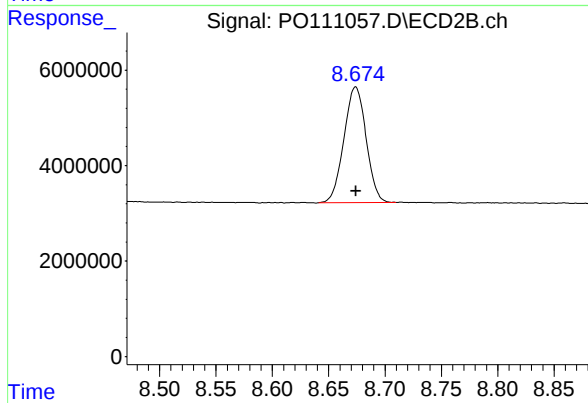
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: 0.000 min
Response: 84147358
Conc: 15.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.723 min
Delta R.T.: -0.002 min
Response: 90198524
Conc: 17.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 33203686
Conc: 17.95 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	06/03/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/03/25	
Client Sample ID:	PIBLK-PO111437.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PO111437.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
PO111437.D	1		06/03/25	po060325

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	18.6		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		70 (60) - 130 (140)	91%	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\P0060325\
 Data File : PO111437.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 18:14
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:34:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 07:11:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.679	3.675	118.0E6	101.1E6	20.052	18.545
2) SA Decachlor...	8.716	8.666	100.2E6	33607772	19.412	18.165m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060325\
Data File : PO111437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:14
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

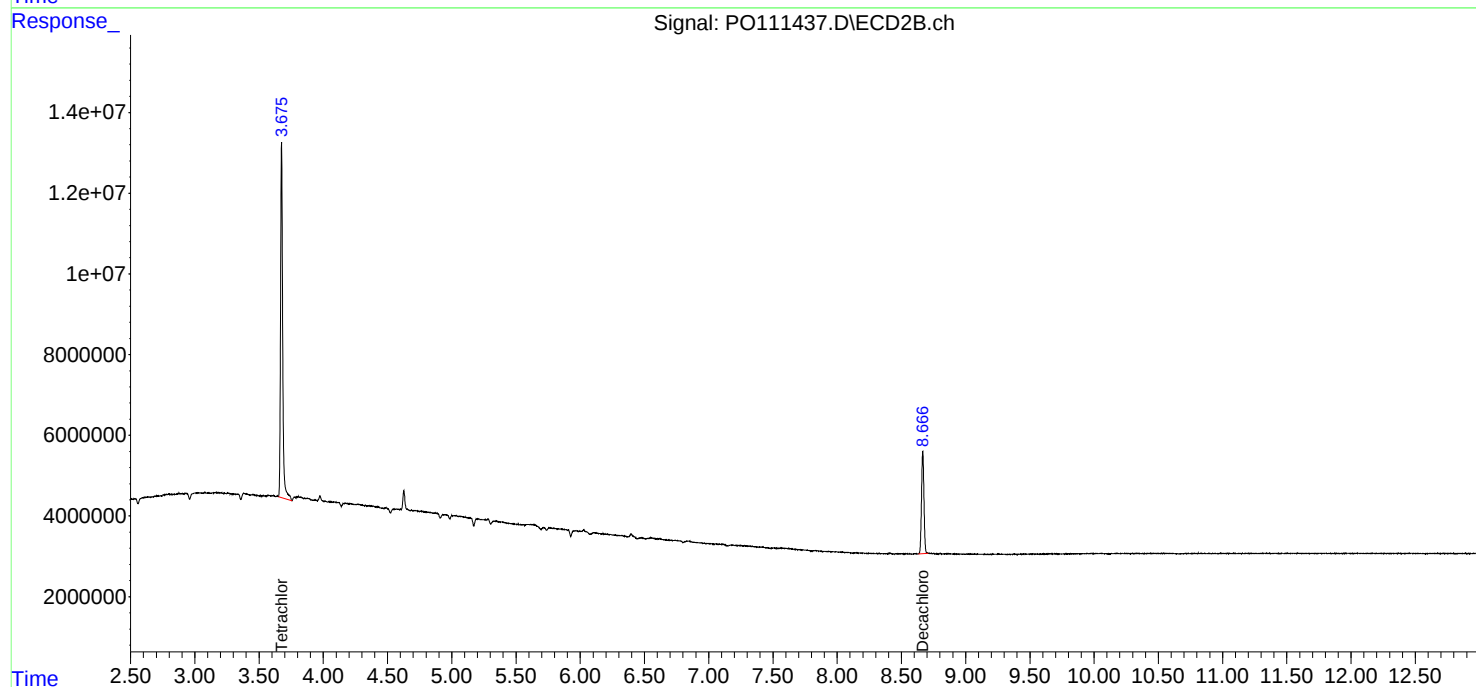
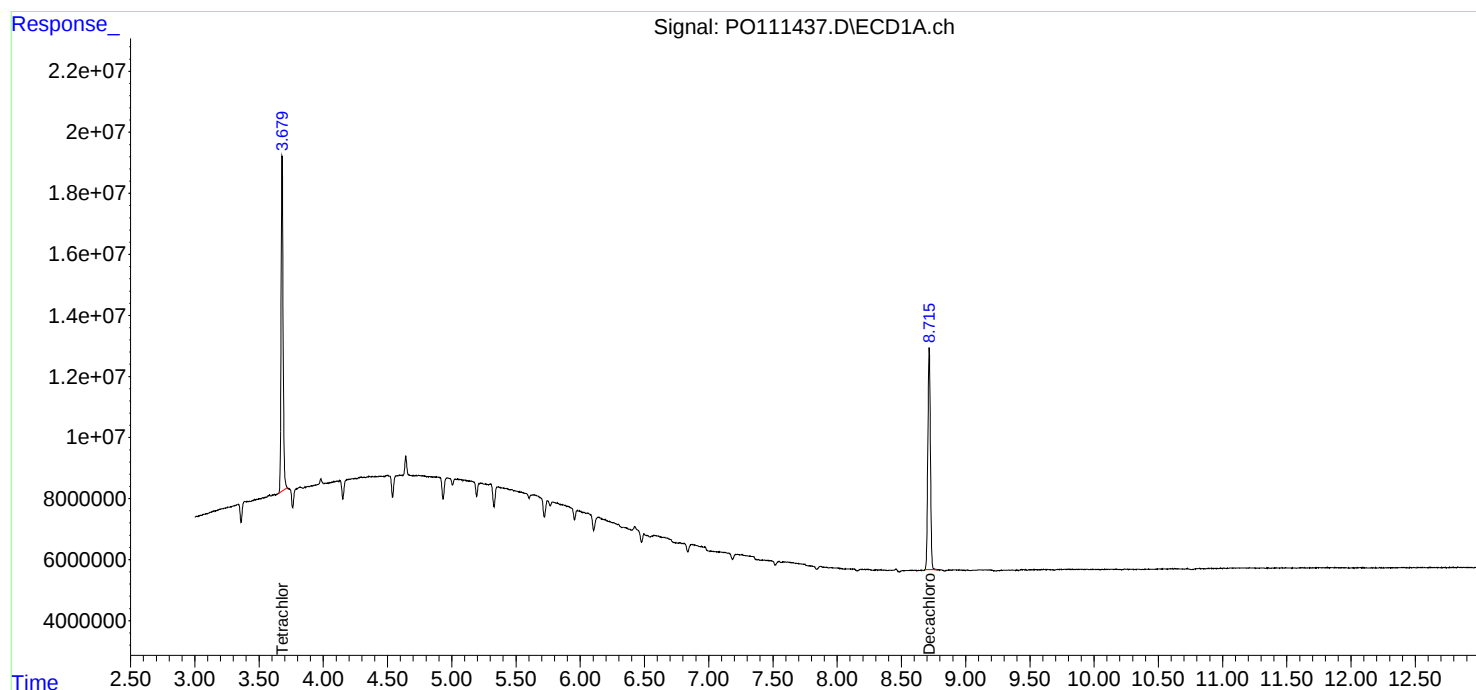
Instrument :
ECD_O
ClientSampleId :
I.BLK

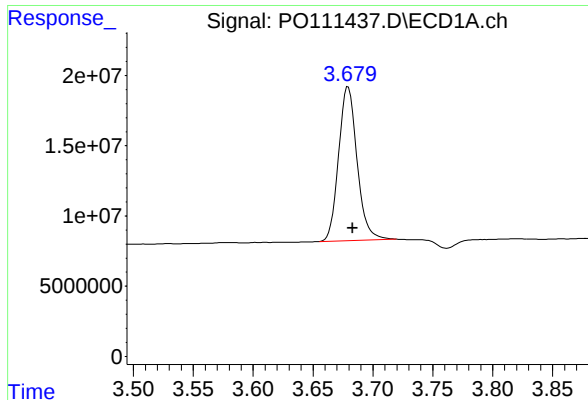
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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





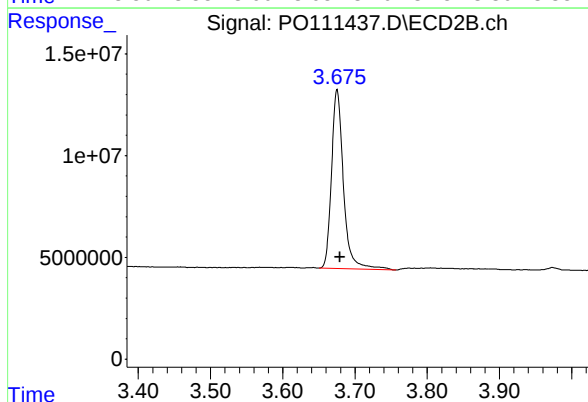
#1 Tetrachloro-m-xylene

R.T.: 3.679 min
Delta R.T.: -0.004 min
Response: 117969927
Conc: 20.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK

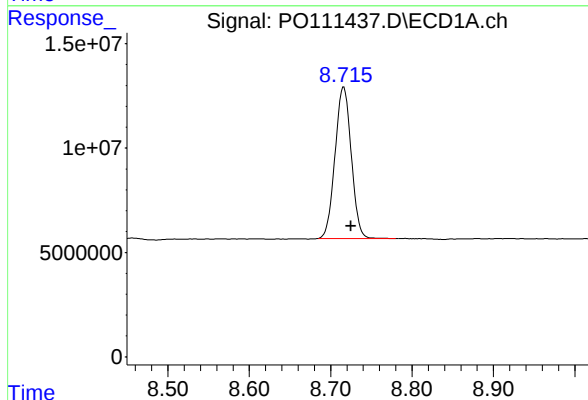
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



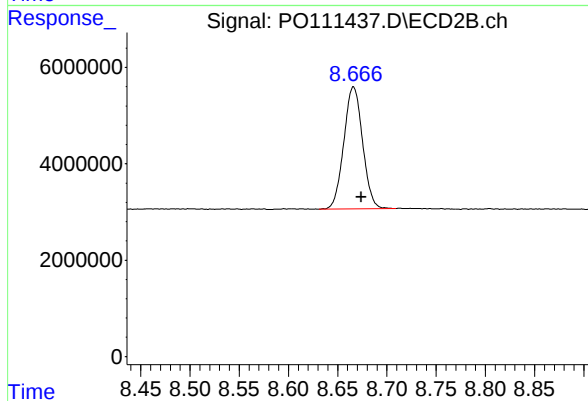
#1 Tetrachloro-m-xylene

R.T.: 3.675 min
Delta R.T.: -0.004 min
Response: 101099088
Conc: 18.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.716 min
Delta R.T.: -0.009 min
Response: 100221575
Conc: 19.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.666 min
Delta R.T.: -0.008 min
Response: 33607772
Conc: 18.16 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PO111451.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PO111451.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111451.D	1		06/03/25	po060325

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	18.3		70 (60) - 130 (140)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		70 (60) - 130 (140)	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0060325\
 Data File : PO111451.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 23:44
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:39:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0051525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Thu May 15 07:11:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.680	3.675	116.7E6	99865691	19.844	18.319
2) SA Decachlor...	8.715	8.665	98133162	32876326	19.007m	17.770m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO060325\
Data File : PO111451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 23:44
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

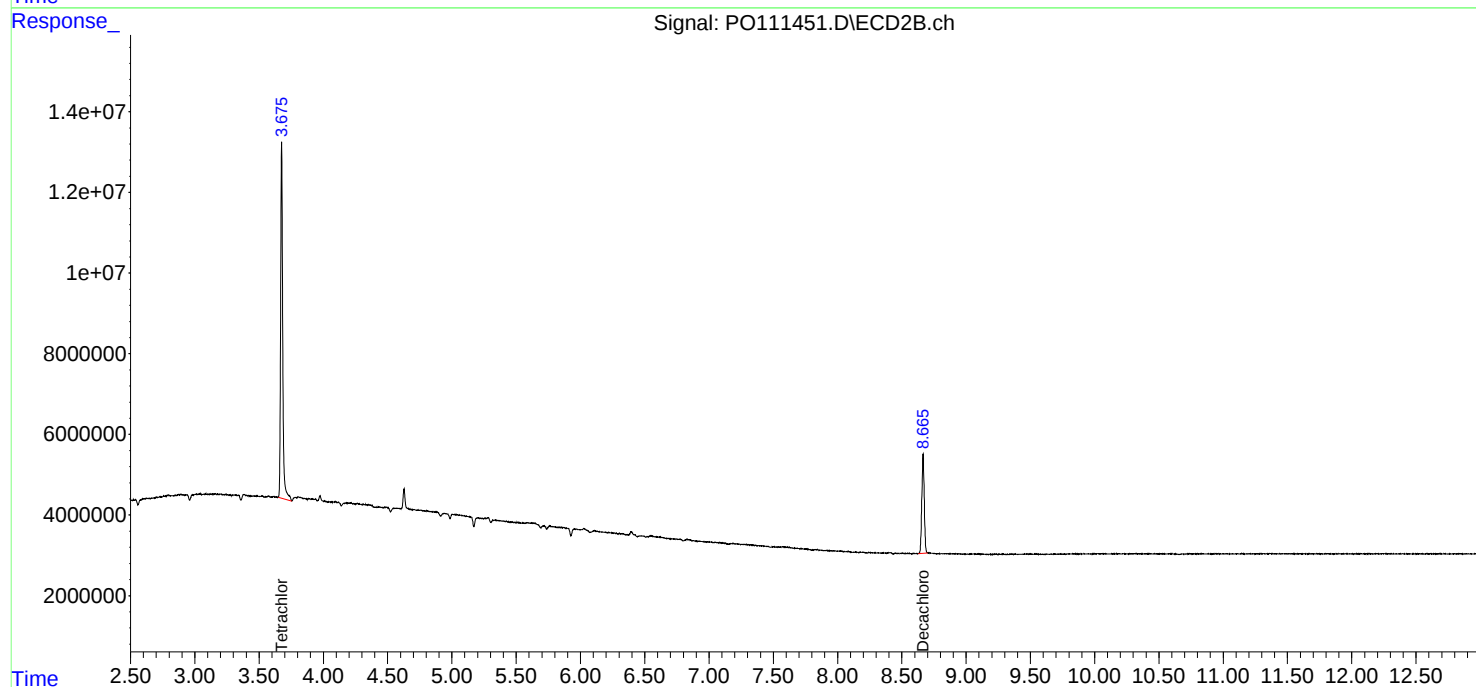
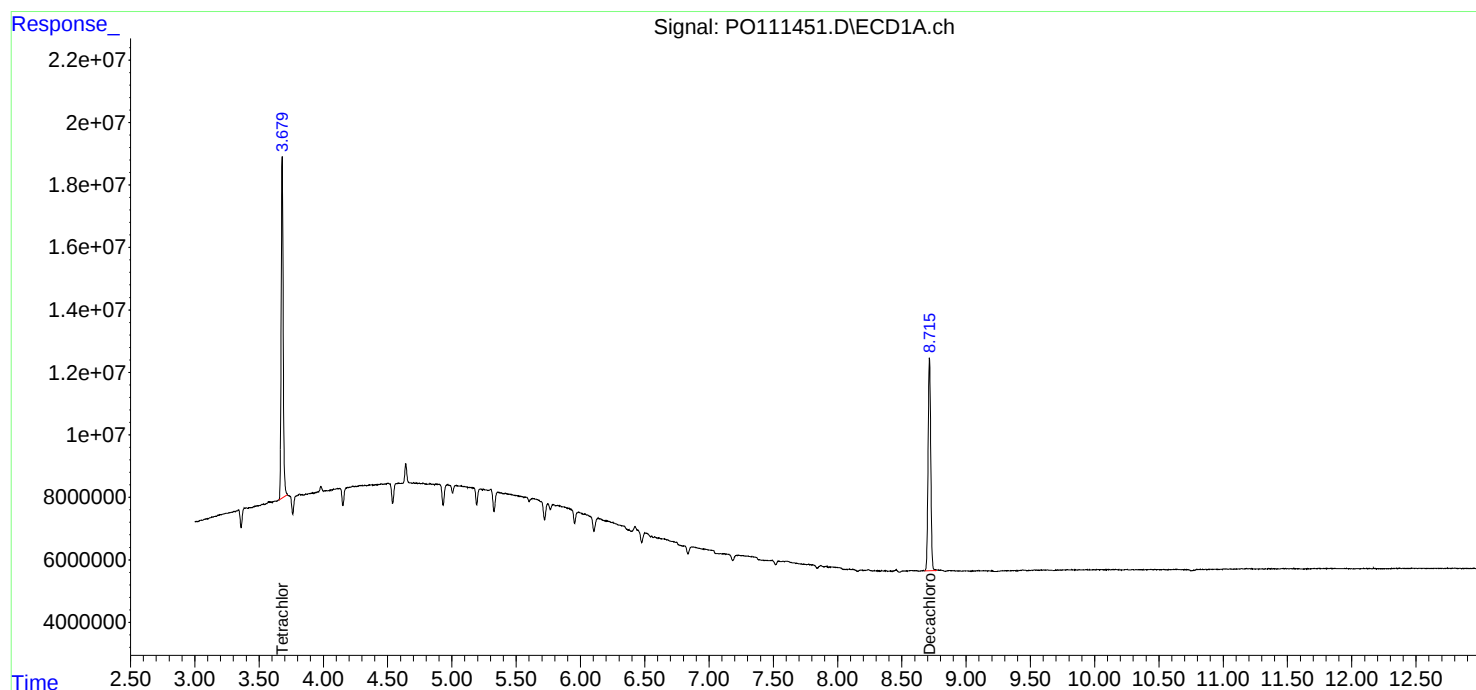
Instrument :
ECD_O
ClientSampleId :
I.BLK

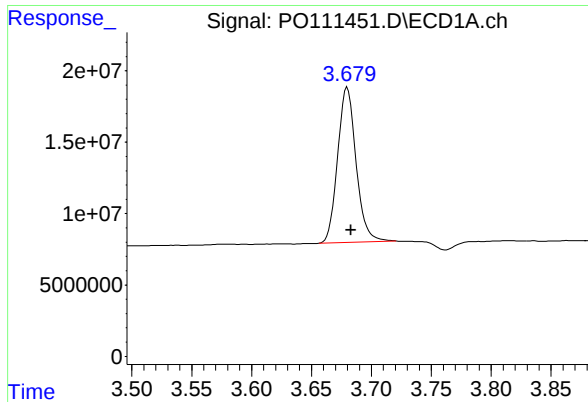
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:39:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO051525.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu May 15 07:11:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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





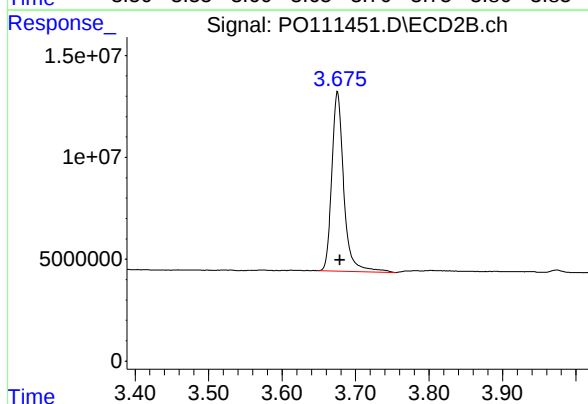
#1 Tetrachloro-m-xylene

R.T.: 3.680 min
Delta R.T.: -0.003 min
Response: 116744319
Conc: 19.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK

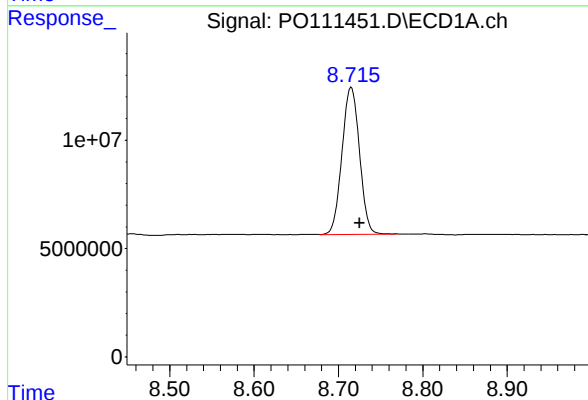
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



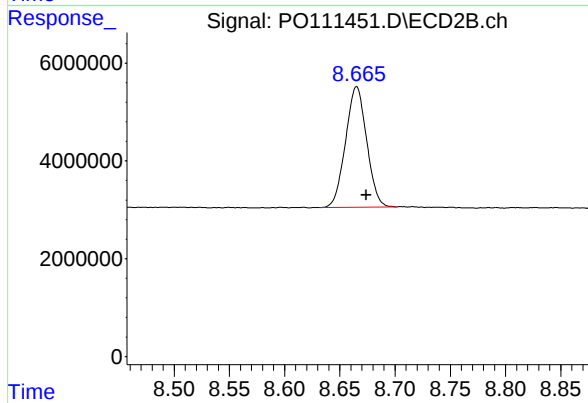
#1 Tetrachloro-m-xylene

R.T.: 3.675 min
Delta R.T.: -0.004 min
Response: 99865691
Conc: 18.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.011 min
Response: 98133162
Conc: 19.01 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.665 min
Delta R.T.: -0.009 min
Response: 32876326
Conc: 17.77 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	05/19/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	05/19/25	
Client Sample ID:	PIBLK-PP072163.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PP072163.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
PP072163.D	1		05/19/25	PP051925

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	16.3		70 (60) - 130 (140)	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
 Data File : PP072163.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 09:26
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:35:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue May 20 03:29:33 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...	4.495	3.788	32787184	26552565	16.306	16.612
2) SA Decachlor...	10.213	8.822	27208113	18027788	16.701	17.030

Target Compounds

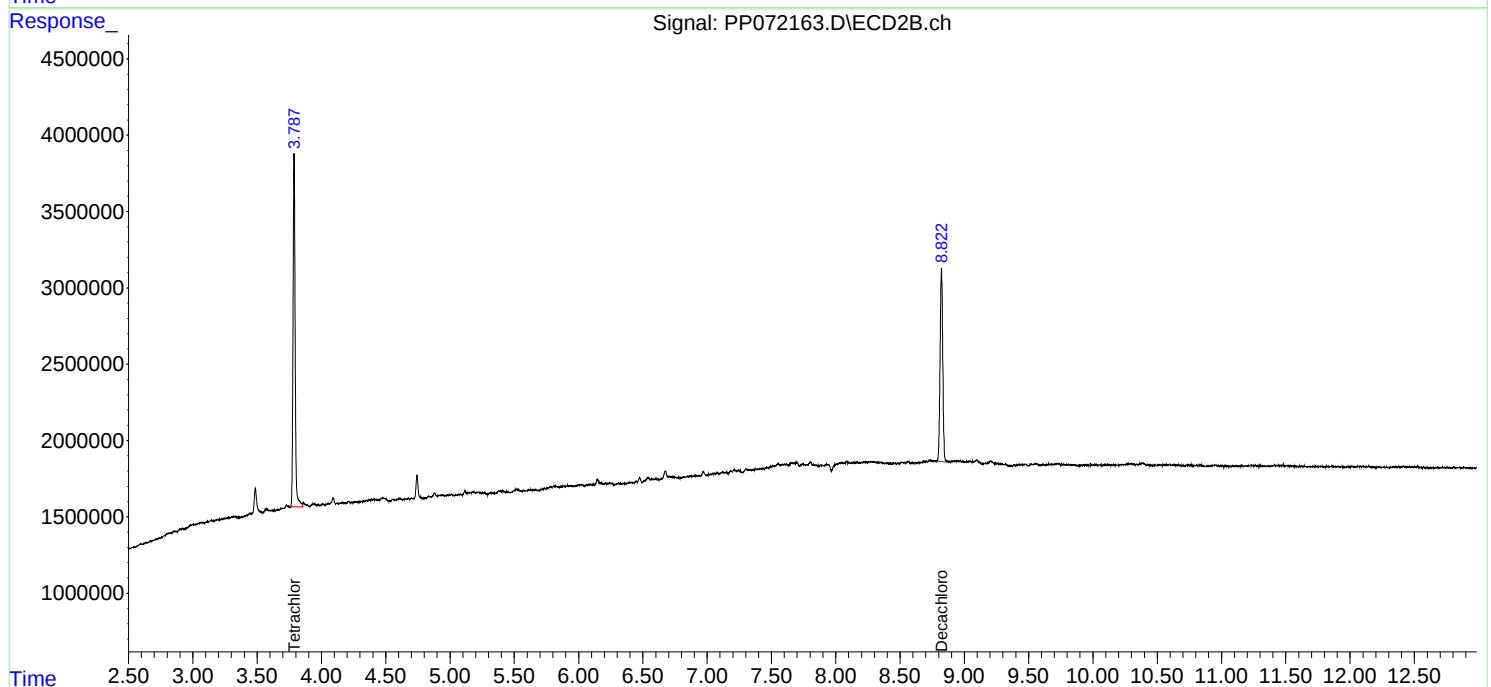
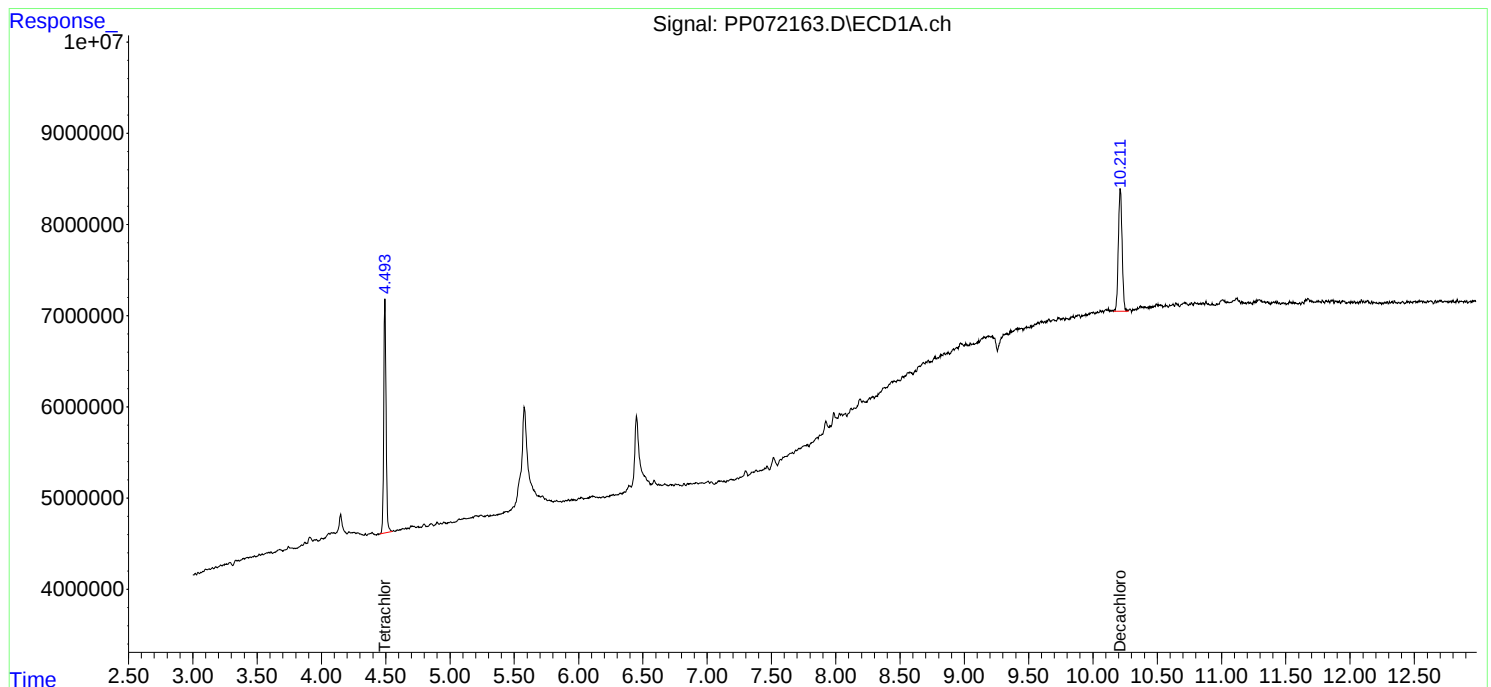
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

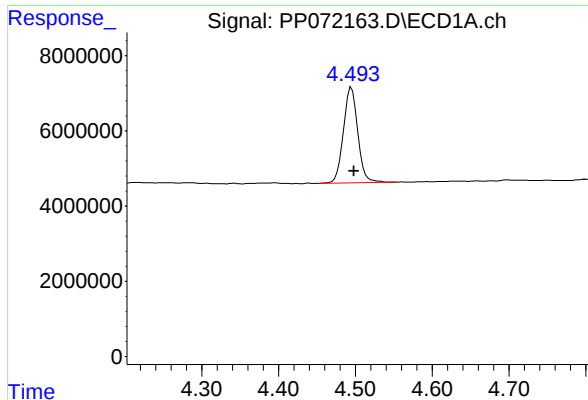
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051925\
Data File : PP072163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 09:26
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue May 20 03:29:33 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

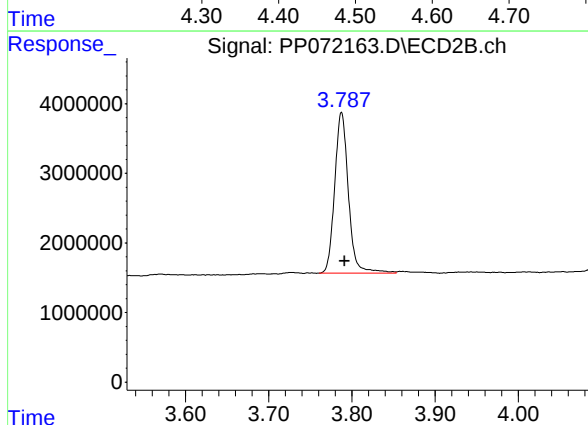




#1 Tetrachloro-m-xylene

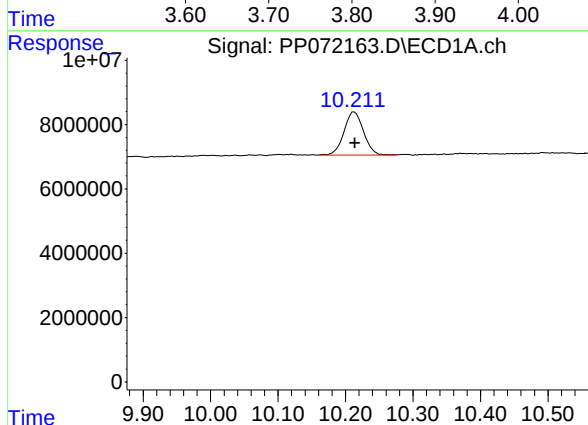
R.T.: 4.495 min
Delta R.T.: -0.003 min
Response: 32787184
Conc: 16.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



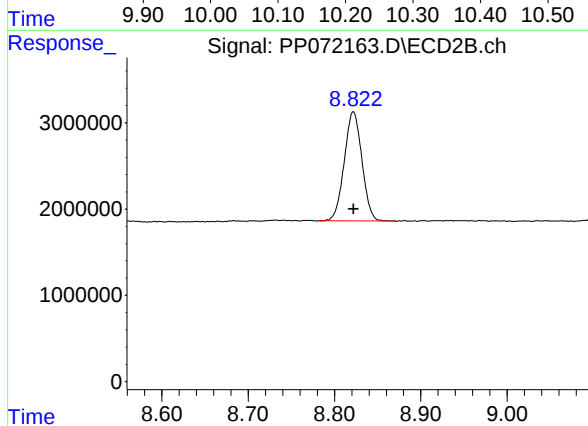
#1 Tetrachloro-m-xylene

R.T.: 3.788 min
Delta R.T.: -0.004 min
Response: 26552565
Conc: 16.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 27208113
Conc: 16.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 18027788
Conc: 17.03 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PP072557.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072557.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072557.D	1		06/03/25	PP060325

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	19.2		70 (60) - 130 (140)	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		70 (60) - 130 (140)	101%	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\PP060325\
 Data File : PP072557.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 11:27
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 03 12:10:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.497	3.794	38520638	33371424	19.157	20.879
2) SA Decachlor...	10.194	8.809	32951468	24799658	20.226m	23.427m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 11:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

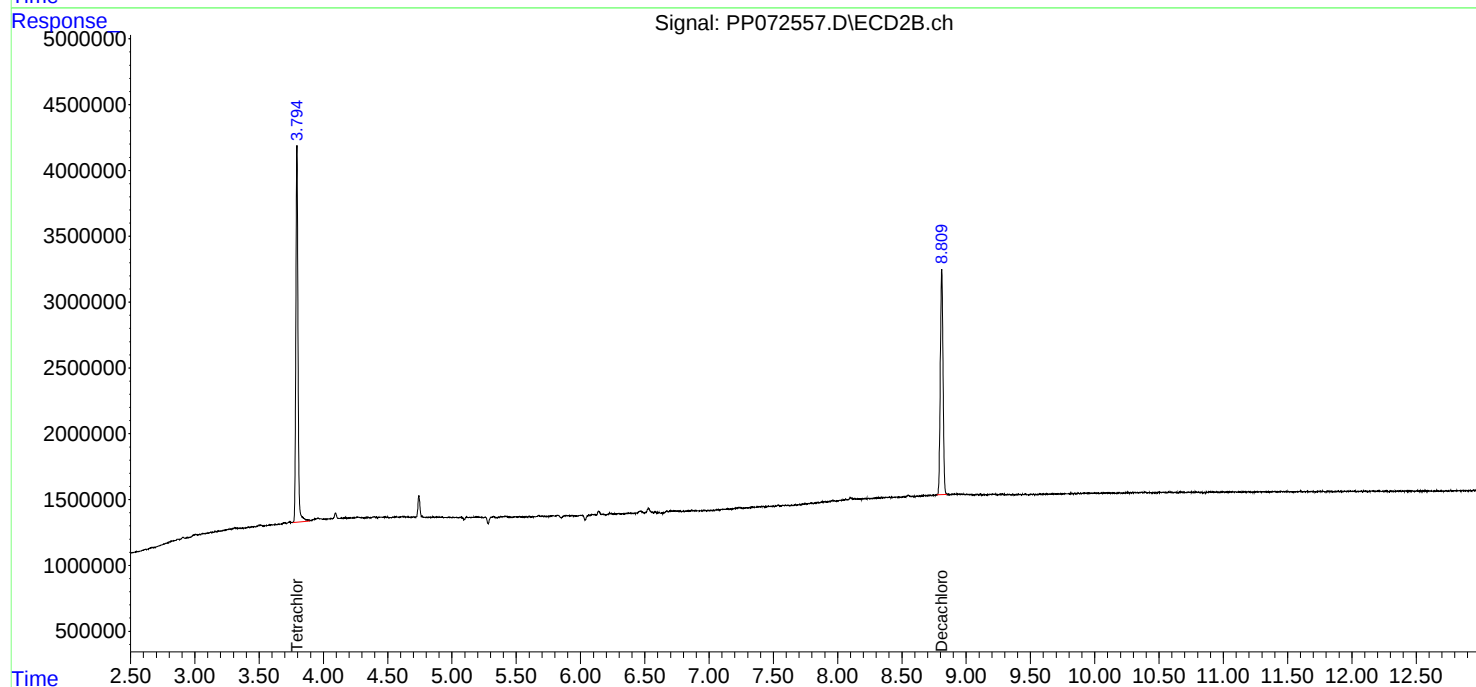
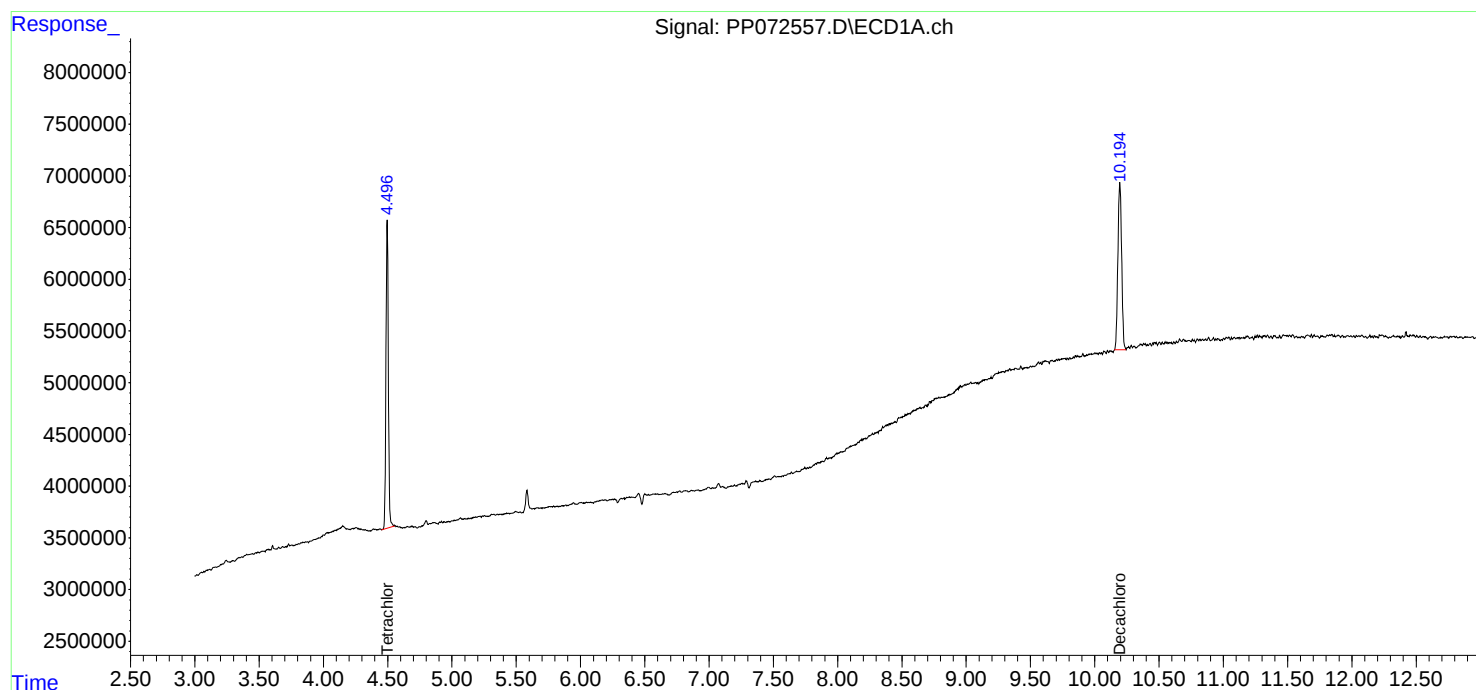
Instrument :
ECD_P
ClientSampleId :
I.BLK

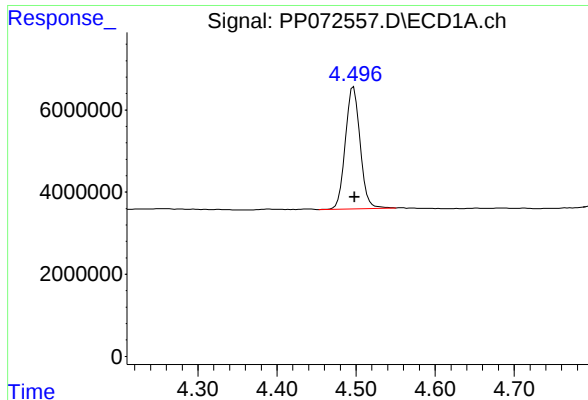
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 12:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





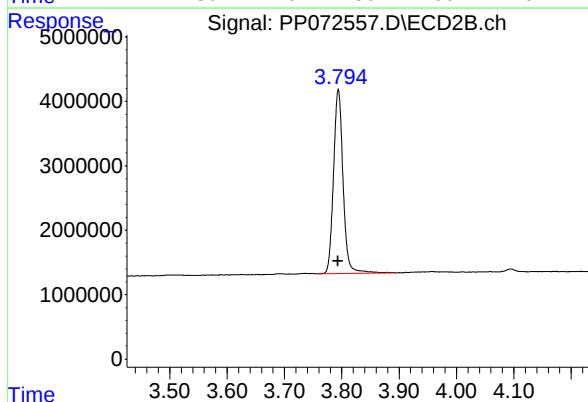
#1 Tetrachloro-m-xylene

R.T.: 4.497 min
Delta R.T.: -0.001 min
Response: 38520638
Conc: 19.16 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

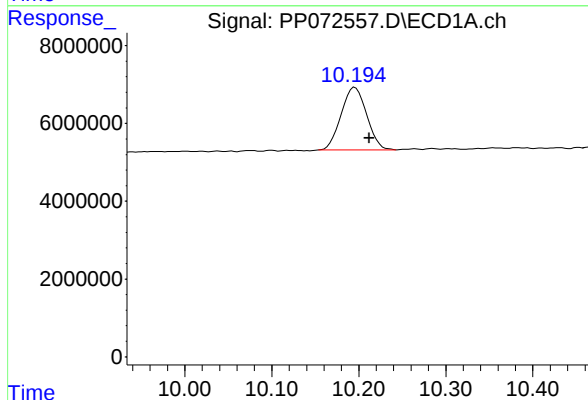
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



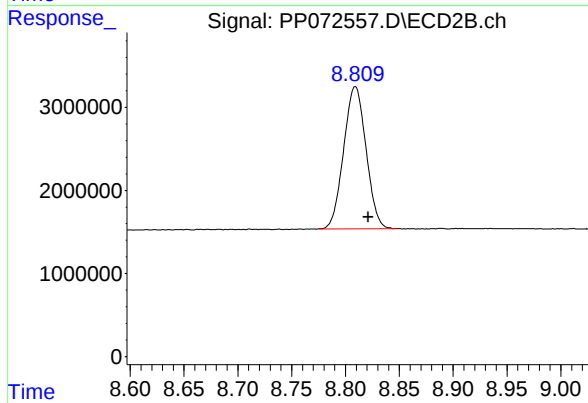
#1 Tetrachloro-m-xylene

R.T.: 3.794 min
Delta R.T.: 0.000 min
Response: 33371424
Conc: 20.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.194 min
Delta R.T.: -0.018 min
Response: 32951468
Conc: 20.23 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.809 min
Delta R.T.: -0.012 min
Response: 24799658
Conc: 23.43 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	06/03/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/03/25	
Client Sample ID:	PIBLK-PP072572.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PP072572.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
PP072572.D	1		06/03/25	pp060325

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	18.9		70 (60) - 130 (140)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		70 (60) - 130 (140)	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
 Data File : PP072572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 18:21
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:35:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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 System Monitoring Compounds

1) SA Tetrachlo...	4.499	3.795	38019191	32508945	18.907	20.339
2) SA Decachlor...	10.198	8.810	32165306	24072276	19.744m	22.740

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

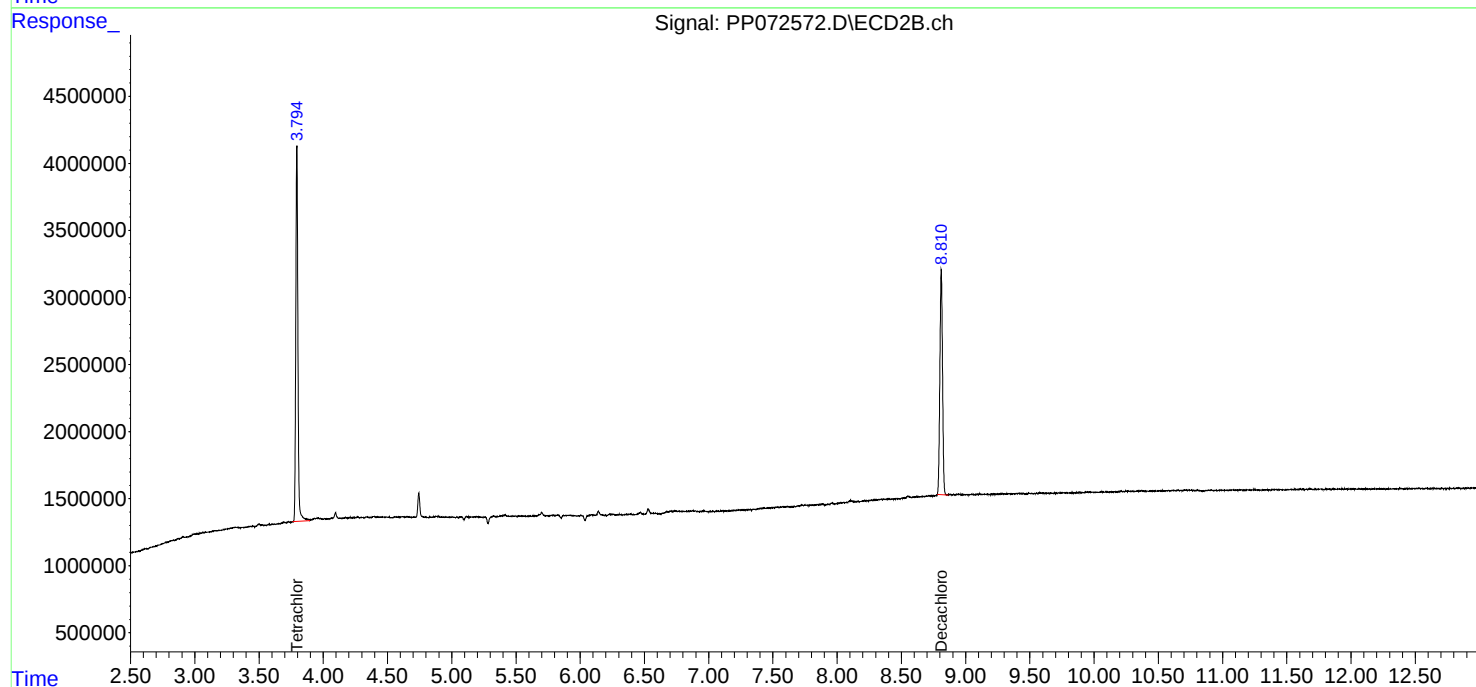
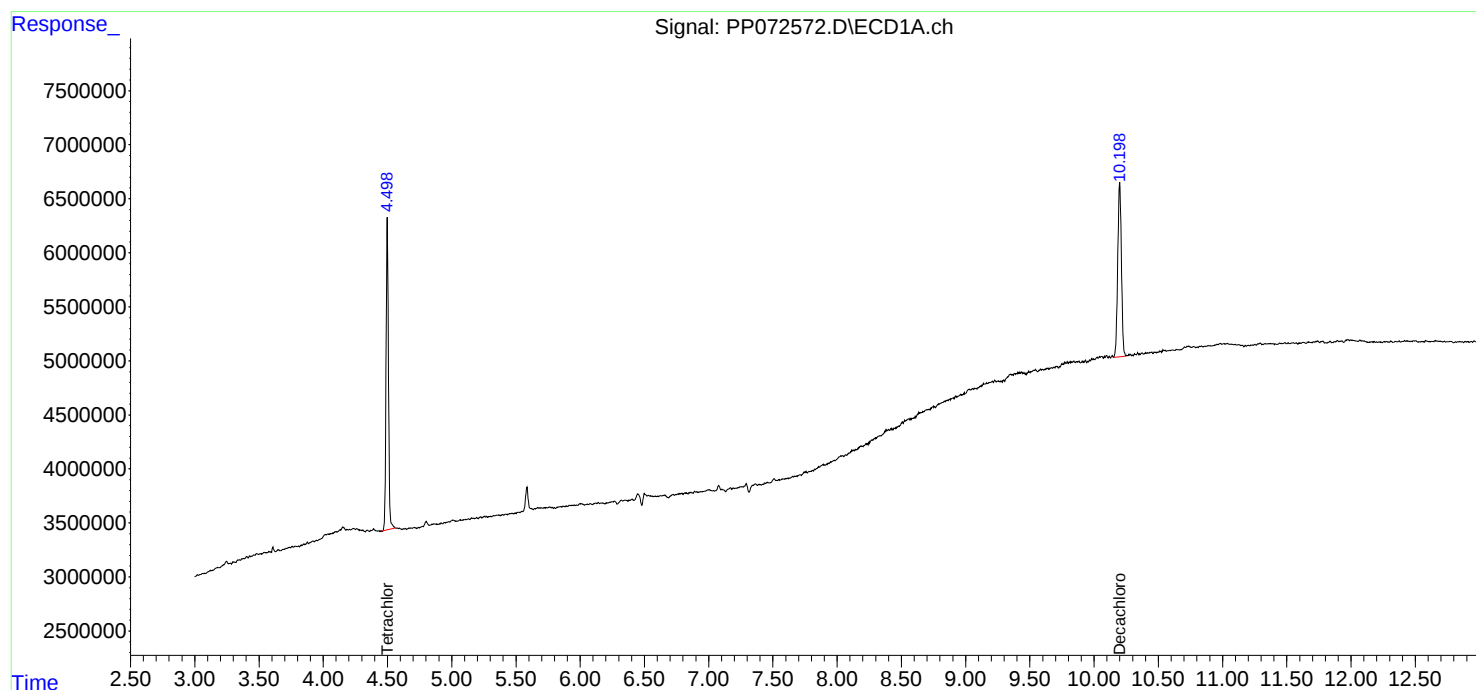
Instrument :
ECD_P
ClientSampleId :
I.BLK

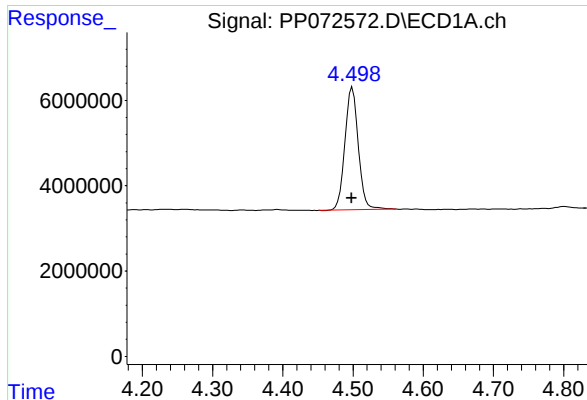
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





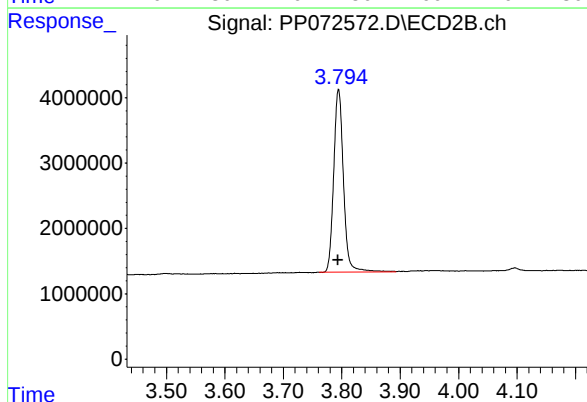
#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 38019191
Conc: 18.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

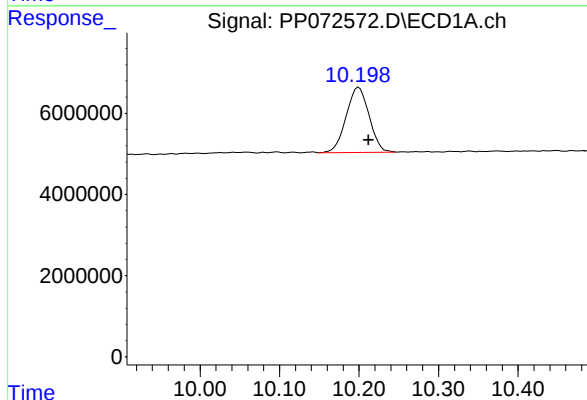
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



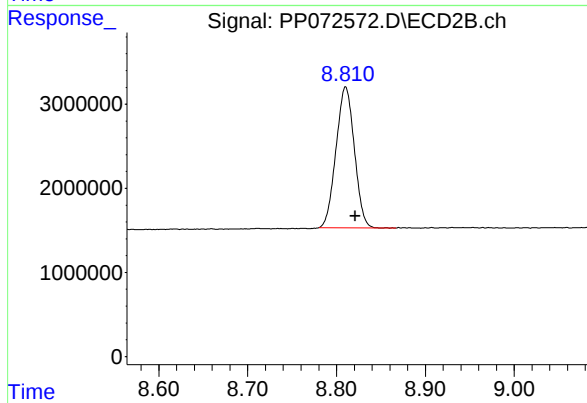
#1 Tetrachloro-m-xylene

R.T.: 3.795 min
Delta R.T.: 0.001 min
Response: 32508945
Conc: 20.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.198 min
Delta R.T.: -0.014 min
Response: 32165306
Conc: 19.74 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.810 min
Delta R.T.: -0.011 min
Response: 24072276
Conc: 22.74 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PP072587.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072587.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072587.D	1		06/03/25	pp060325

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	18.6		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		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_P\Data\PP060325\
 Data File : PP072587.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 23:47
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:39:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.499	3.793	37452283	32779524	18.626	20.508
2) SA Decachlor...	10.194	8.807	31837694	24357366	19.543m	23.009m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 23:47
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

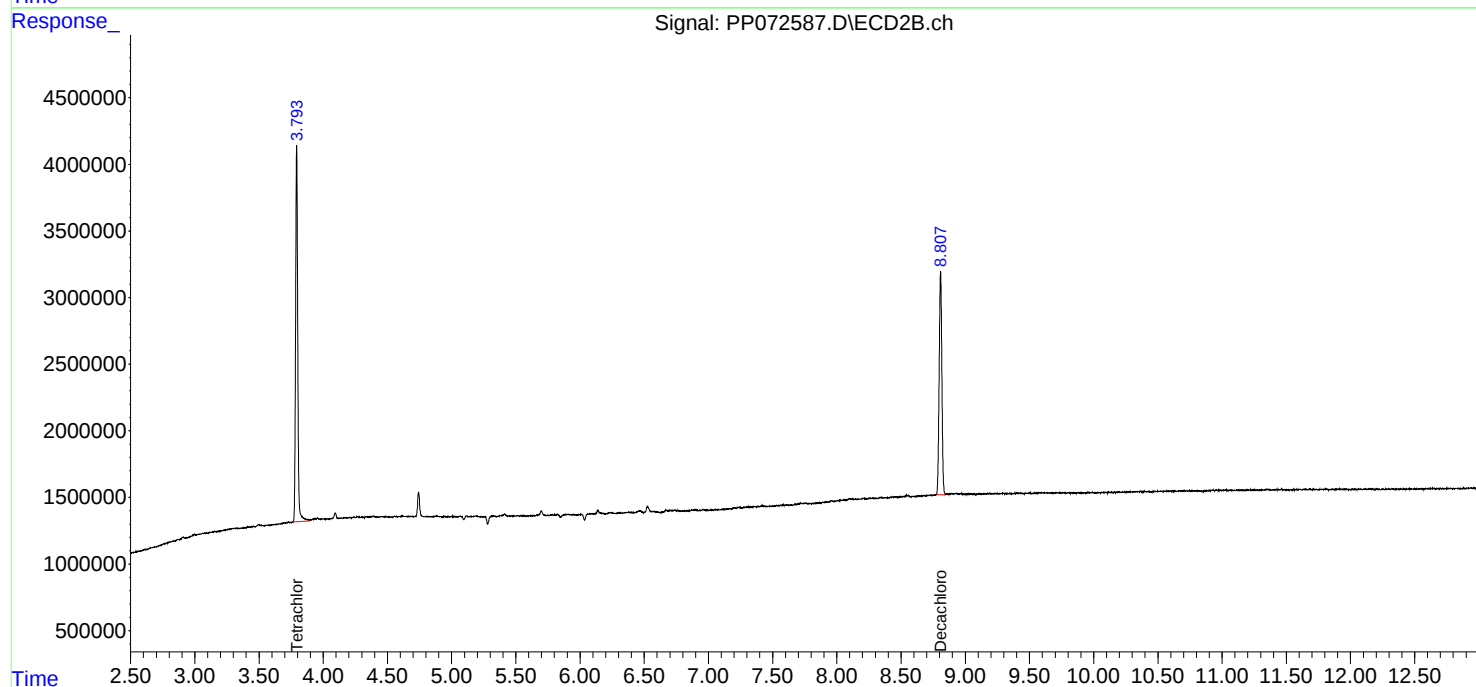
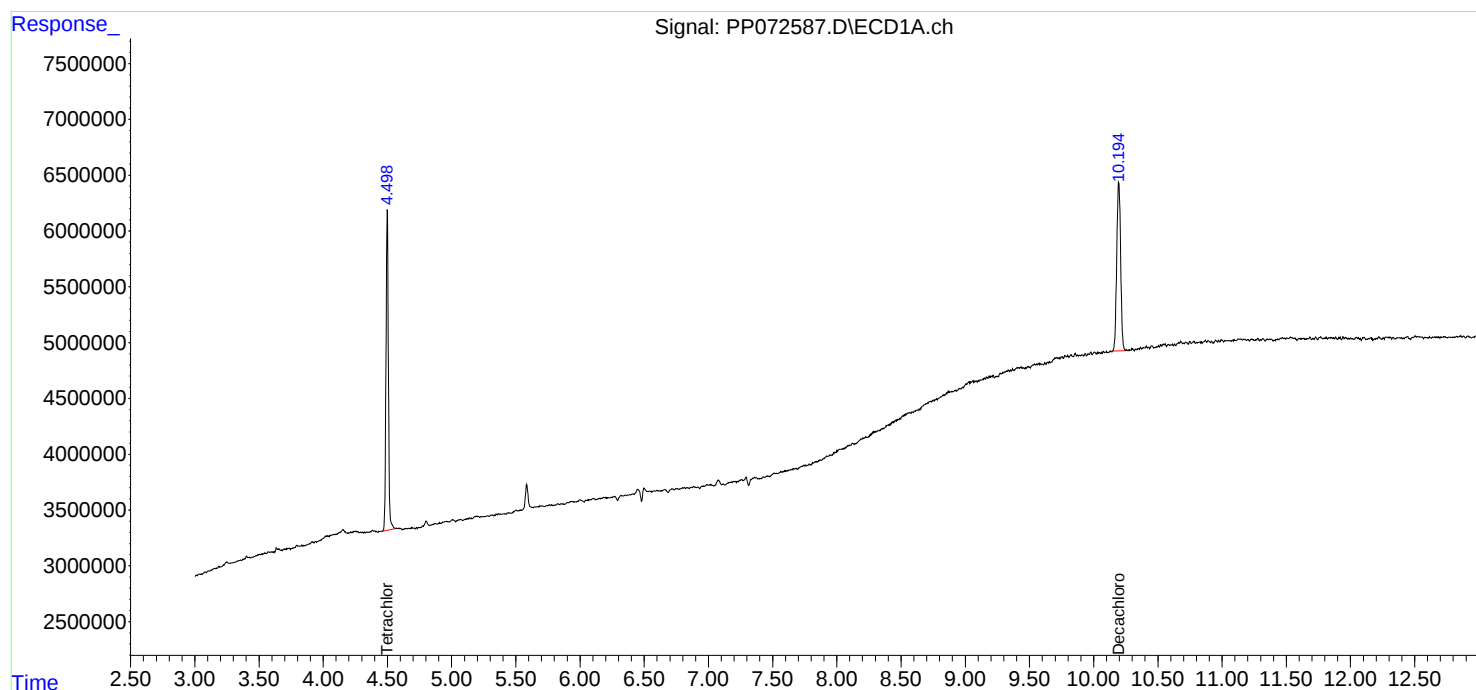
Instrument :
ECD_P
ClientSampleId :
I.BLK

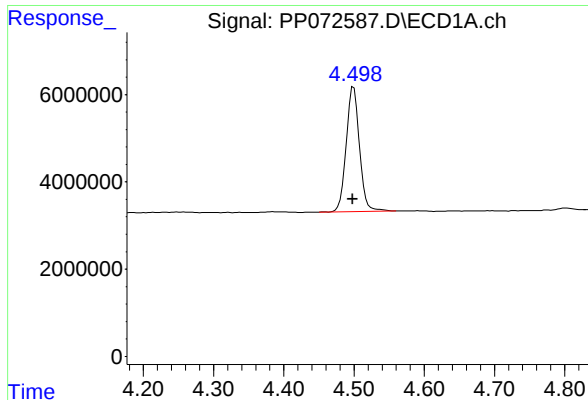
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:39:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





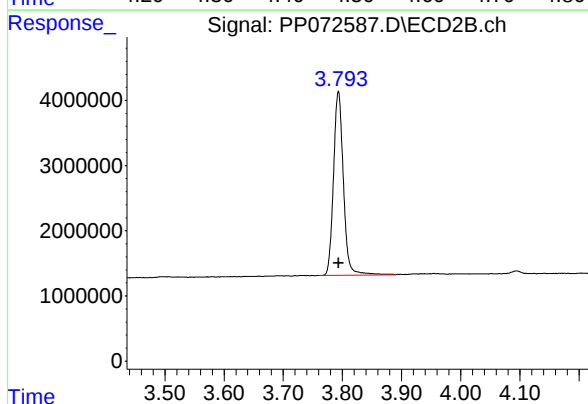
#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 37452283
Conc: 18.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

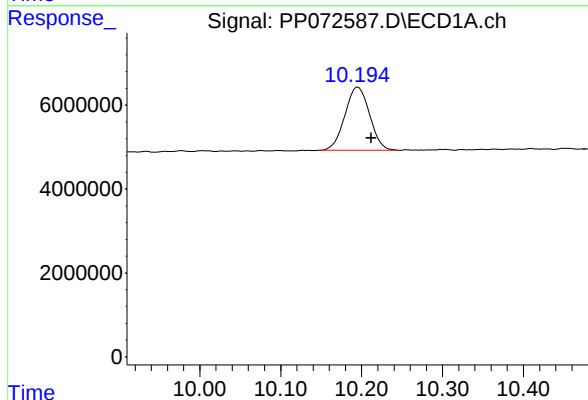
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



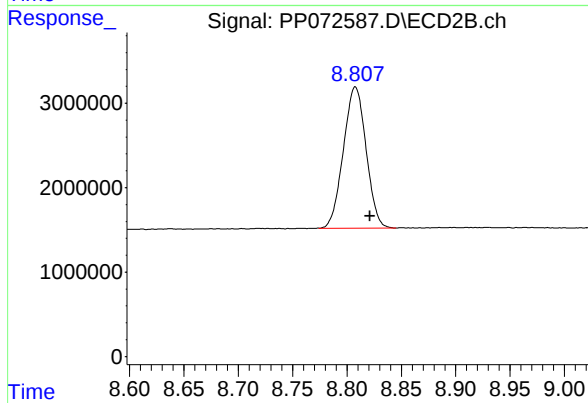
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 32779524
Conc: 20.51 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.194 min
Delta R.T.: -0.018 min
Response: 31837694
Conc: 19.54 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 24357366
Conc: 23.01 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PP072602.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072602.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072602.D	1		06/04/25	pp060325

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	18.5		70 (60) - 130 (140)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		70 (60) - 130 (140)	101%	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\PP060325\
 Data File : PP072602.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 05:12
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 06:08:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.499	3.793	37244214	32747129	18.522	20.488
2) SA Decachlor...	10.197	8.806	33012800	24099936	20.264m	22.766m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 05:12
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

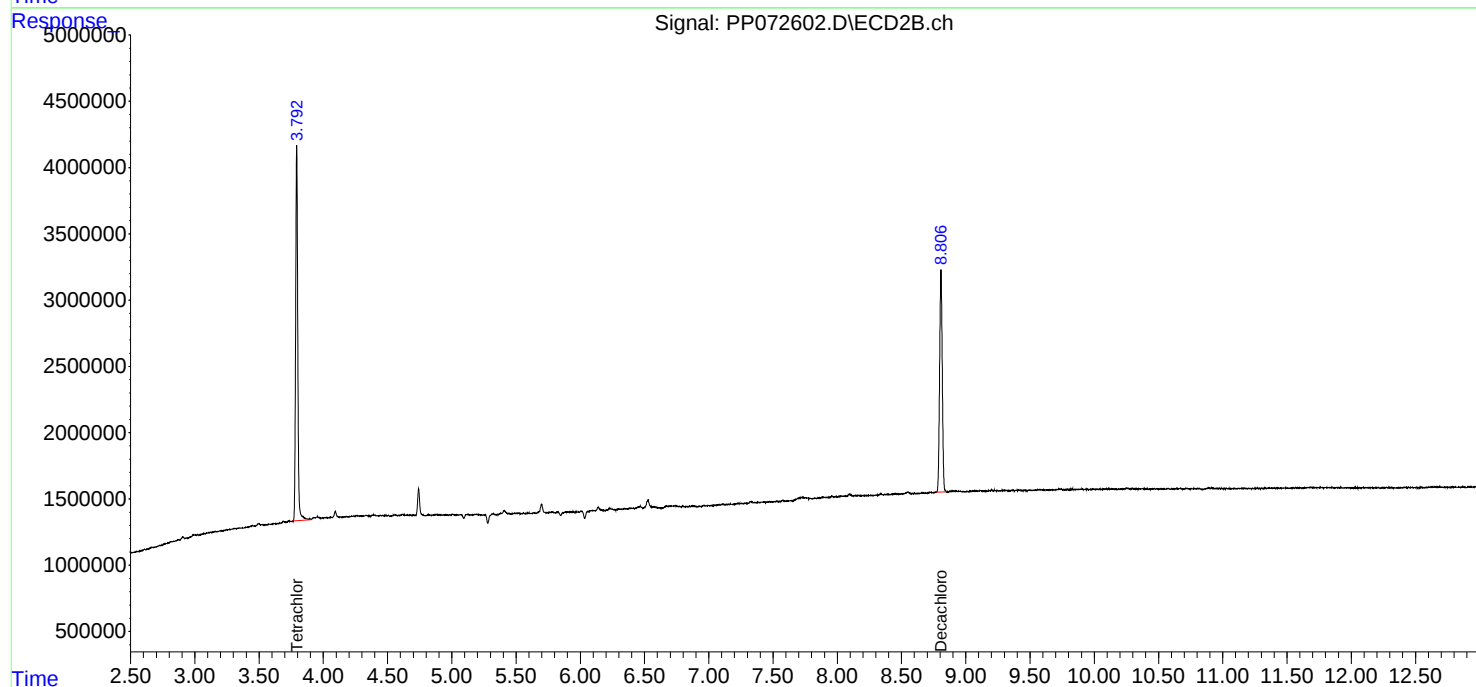
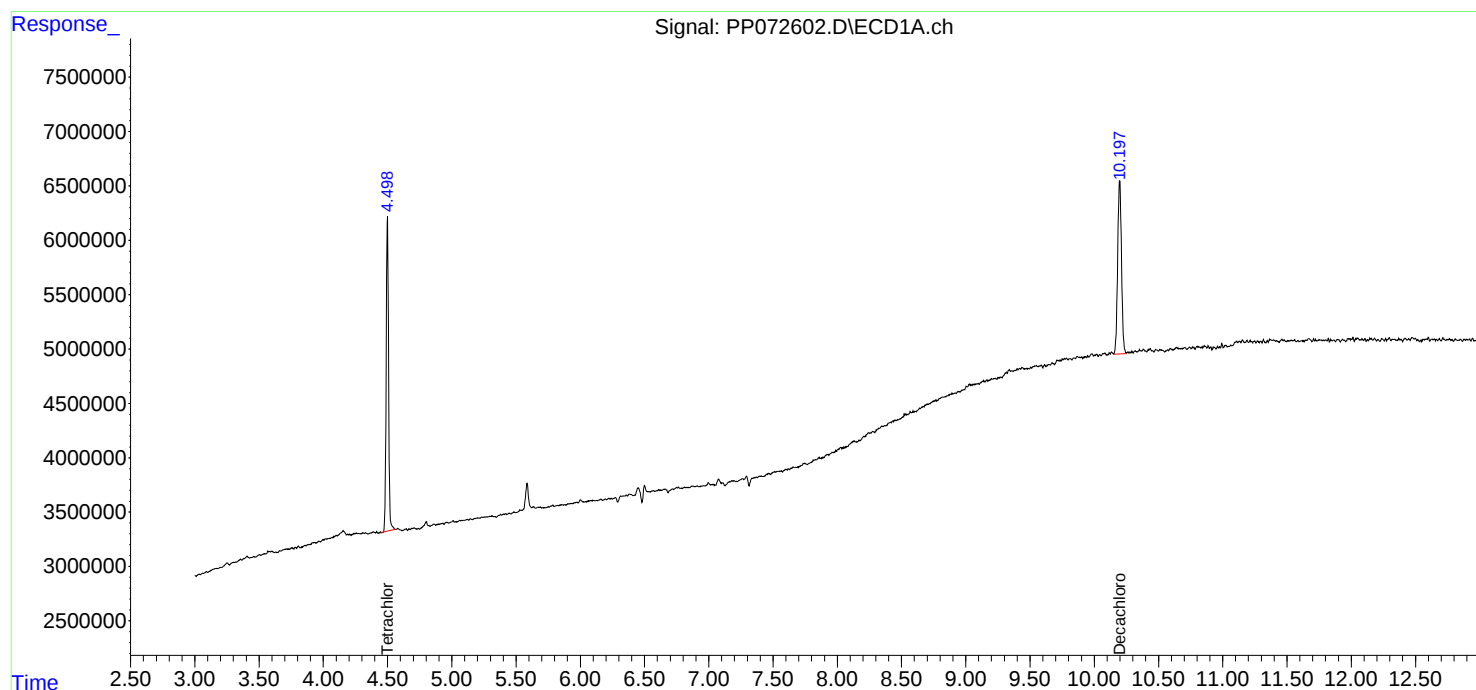
Instrument :
ECD_P
ClientSampleId :
I.BLK

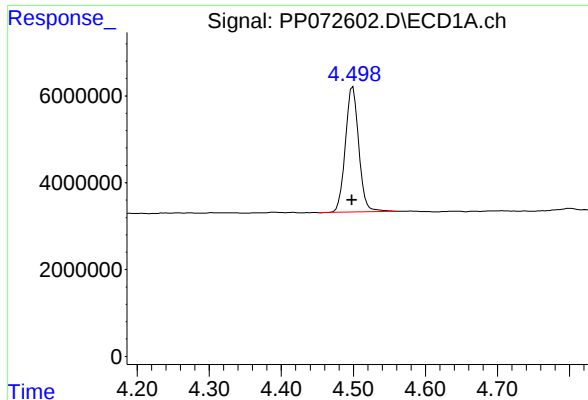
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 06:08:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





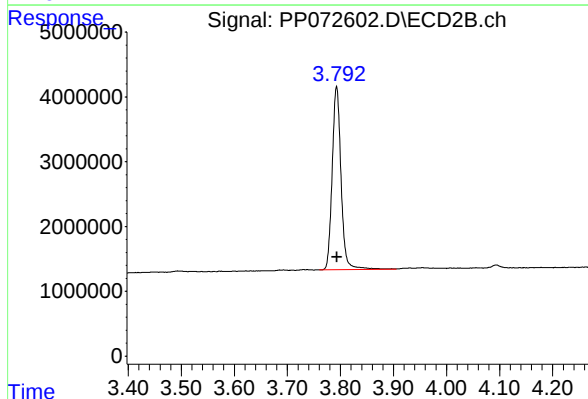
#1 Tetrachloro-m-xylene

R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 37244214
Conc: 18.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

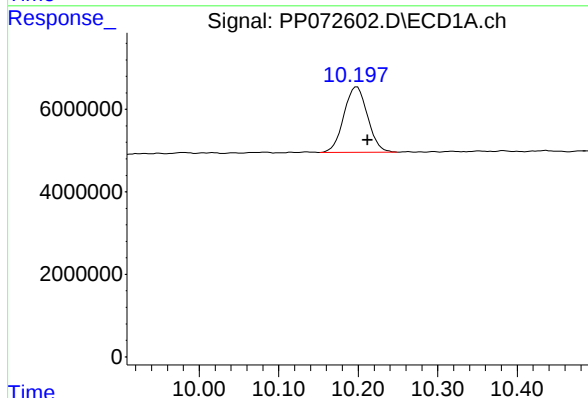
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



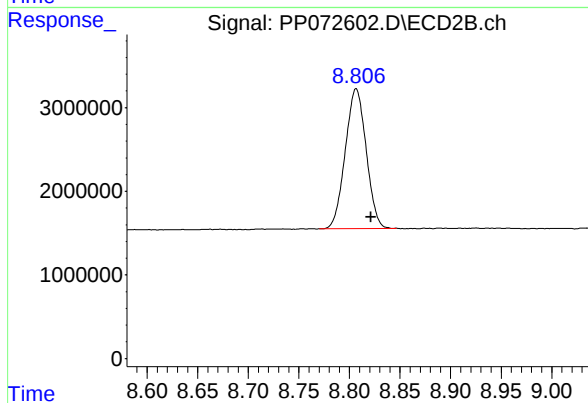
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 32747129
Conc: 20.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.197 min
Delta R.T.: -0.015 min
Response: 33012800
Conc: 20.26 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.806 min
Delta R.T.: -0.015 min
Response: 24099936
Conc: 22.77 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PP072608.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PP072608.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072608.D	1		06/04/25	PP060425

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	16.9		70 (60) - 130 (140)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		70 (60) - 130 (140)	91%	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\PP060425\
 Data File : PP072608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 10:00
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 14:21:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.501	3.793	34020921	30340775	16.919	18.982
2) SA Decachlor...	10.199	8.807	29681631	23139192	18.219	21.858m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:00
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

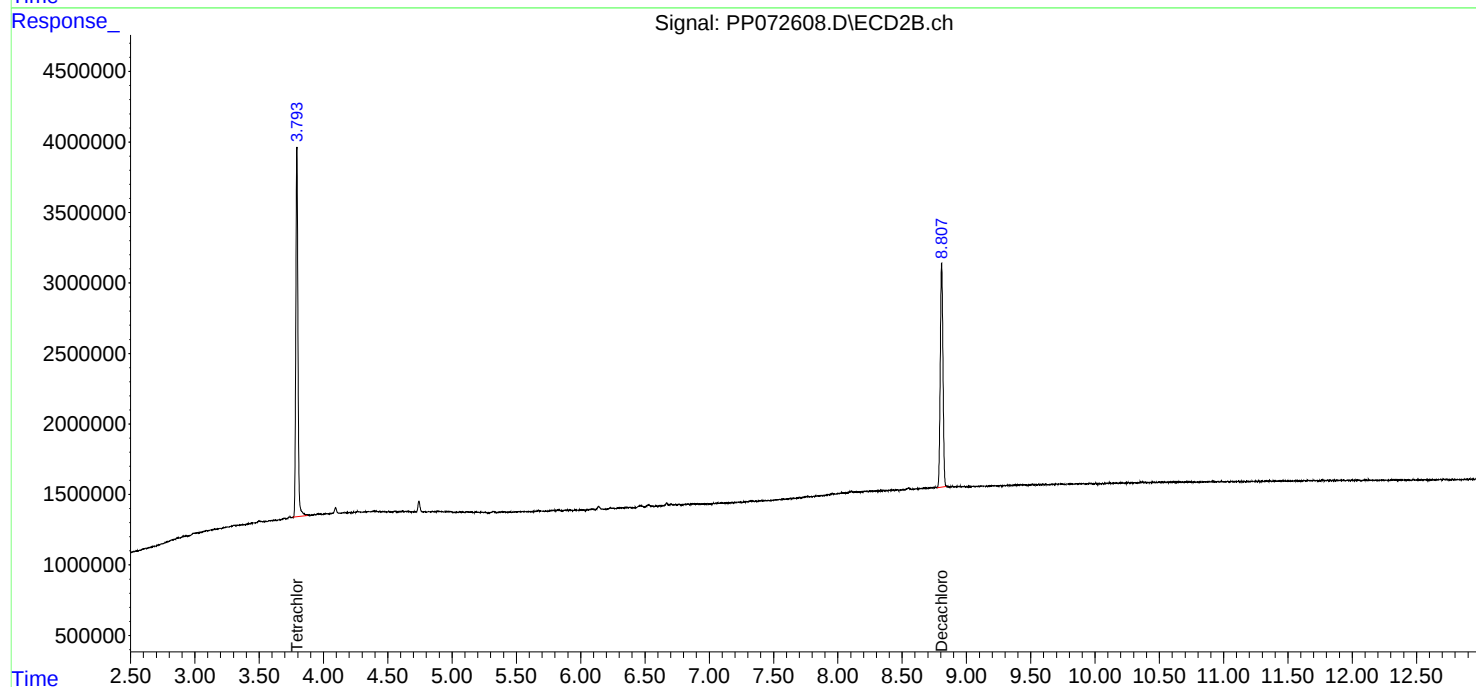
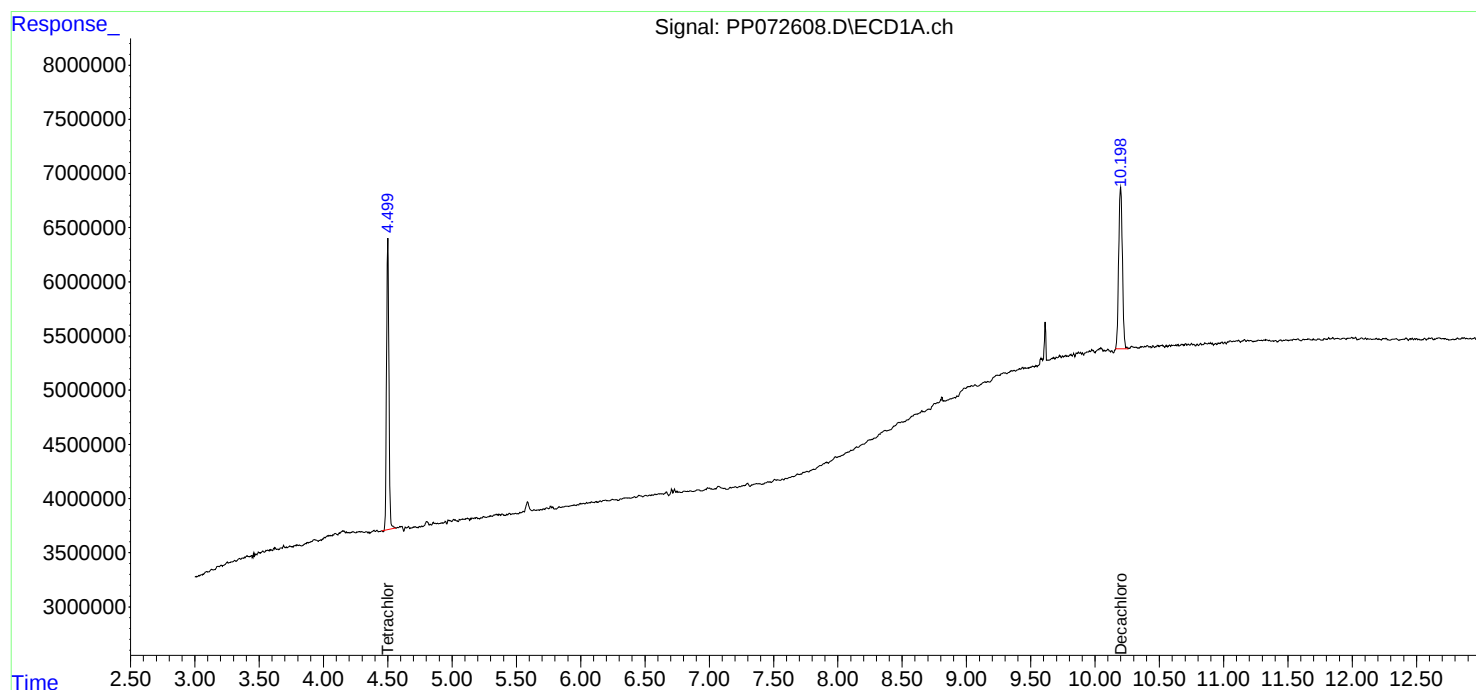
Instrument :
ECD_P
ClientSampleId :
I.BLK

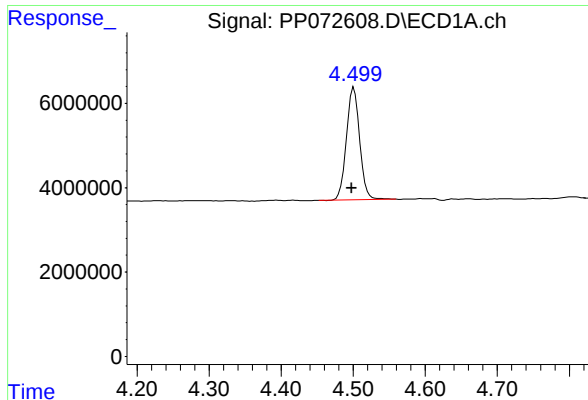
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:21:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





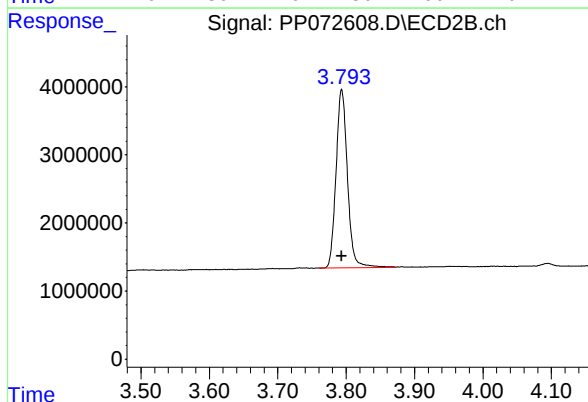
#1 Tetrachloro-m-xylene

R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 34020921
Conc: 16.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

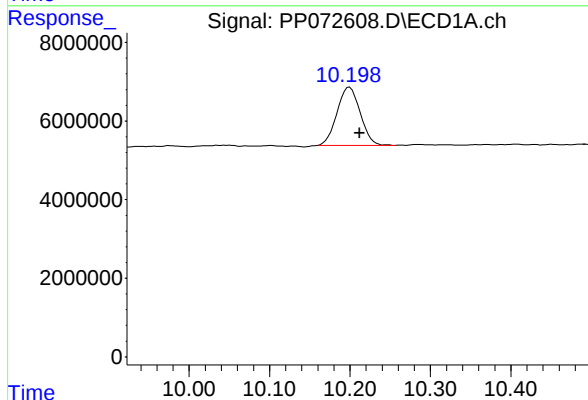
Manual Integrations
APPROVED

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



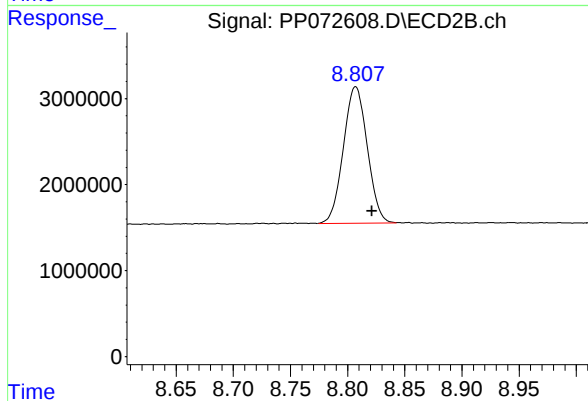
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: 0.000 min
Response: 30340775
Conc: 18.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.199 min
Delta R.T.: -0.013 min
Response: 29681631
Conc: 18.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.807 min
Delta R.T.: -0.014 min
Response: 23139192
Conc: 21.86 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	06/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	06/04/25	
Client Sample ID:	PIBLK-PP072623.D		SDG No.:	Q2177	
Lab Sample ID:	I.BLK-PP072623.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
PP072623.D	1		06/04/25	PP060425

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)	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		70 (60) - 130 (140)	94%	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\PP060425\
Data File : PP072623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 15:56
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: Jun 04 18:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds

1) SA Tetrachlo...	4.503	3.797	34821823	30891409	17.317	19.327
2) SA Decachlor...	10.203	8.812	30738353	22256574	18.868	21.025

Target Compounds

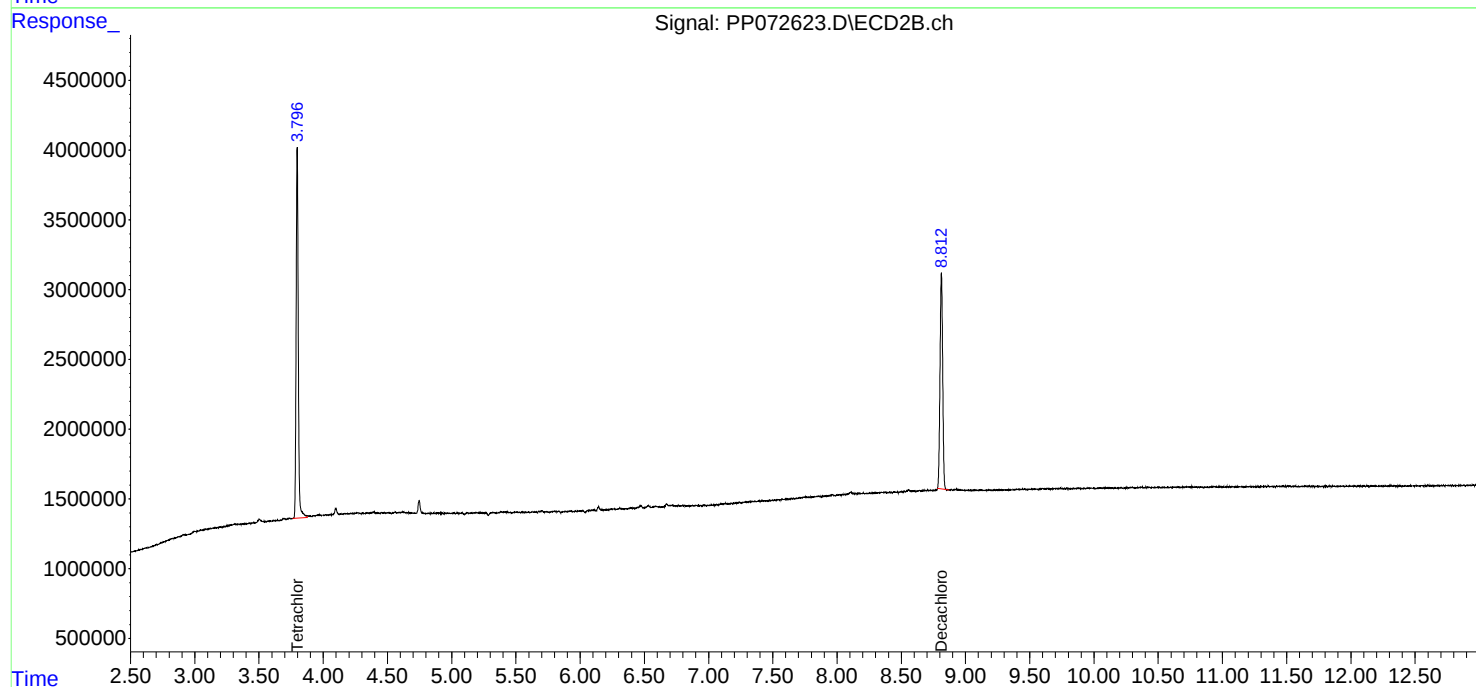
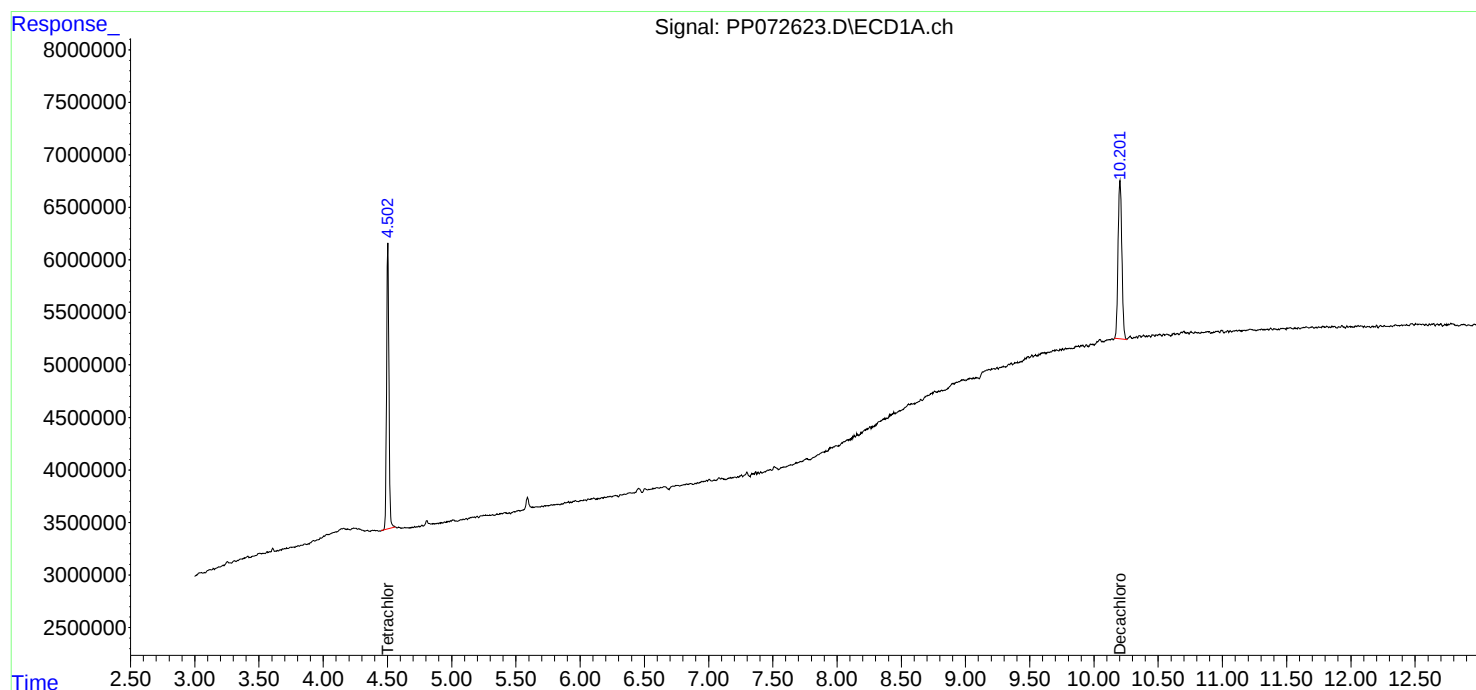
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

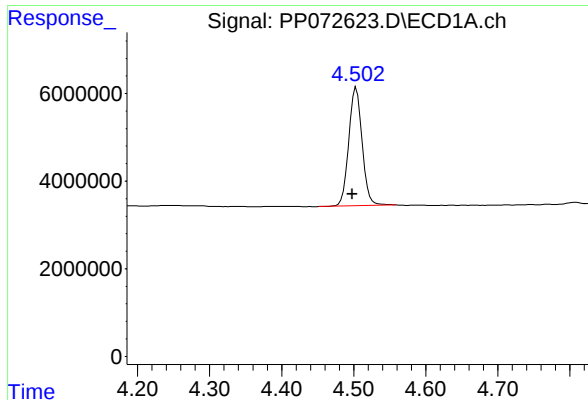
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 15:56
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 18:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

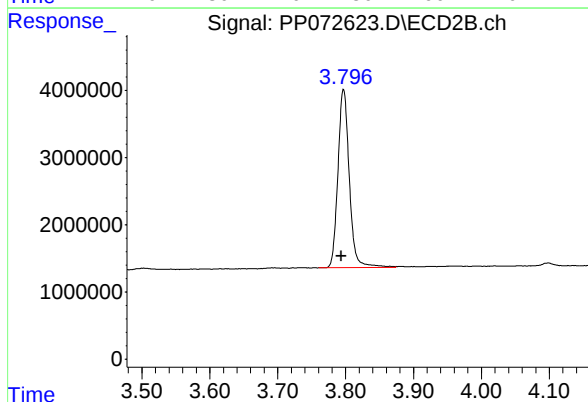




#1 Tetrachloro-m-xylene

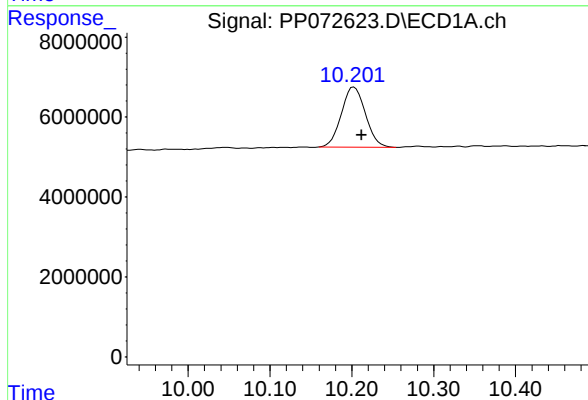
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 34821823
Conc: 17.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



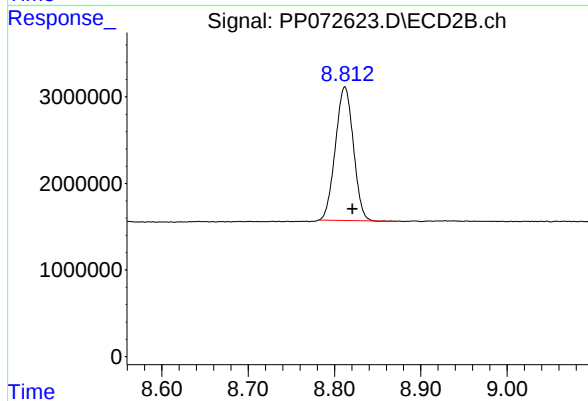
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.003 min
Response: 30891409
Conc: 19.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.203 min
Delta R.T.: -0.010 min
Response: 30738353
Conc: 18.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.812 min
Delta R.T.: -0.009 min
Response: 22256574
Conc: 21.02 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB168252BS		SDG No.:	Q2177	
Lab Sample ID:	PB168252BS		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
PP072614.D	1	06/03/25 09:30	06/04/25 11:37	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	153		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	157		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
 Data File : PP072614.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 11:37
 Operator : YP\AJ
 Sample : PB168252BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB168252BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 14:25:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.500	3.794	39147512	31976492	19.469	20.006
2) SA Decachlor...	10.198	8.808	33462860	24867412	20.540	23.491m
Target Compounds						
3) L1 AR-1016-1	5.652	4.875	29511760	28050184	393.052	456.624
4) L1 AR-1016-2	5.673	4.893	46043745	40857879	430.349	465.408
5) L1 AR-1016-3	5.735	5.069	28120990	22261117	428.903	467.136
6) L1 AR-1016-4	5.832	5.111	23309733	17784555	437.577	467.457
7) L1 AR-1016-5	6.125	5.325	20355750	22120563	416.195	443.970
31) L7 AR-1260-1	7.242	6.357	40988391	39524782	437.935	495.585
32) L7 AR-1260-2	7.496	6.546	63608527	47424120	443.297	467.591
33) L7 AR-1260-3	7.853	6.697	44060572	43662328	386.935	502.430 #
34) L7 AR-1260-4	8.078	7.167	44067294	32551534	410.682	451.534
35) L7 AR-1260-5	8.399	7.409	113.3E6	76778644	478.659	442.212

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:37
Operator : YP\AJ
Sample : PB168252BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB168252BS

Manual Integrations

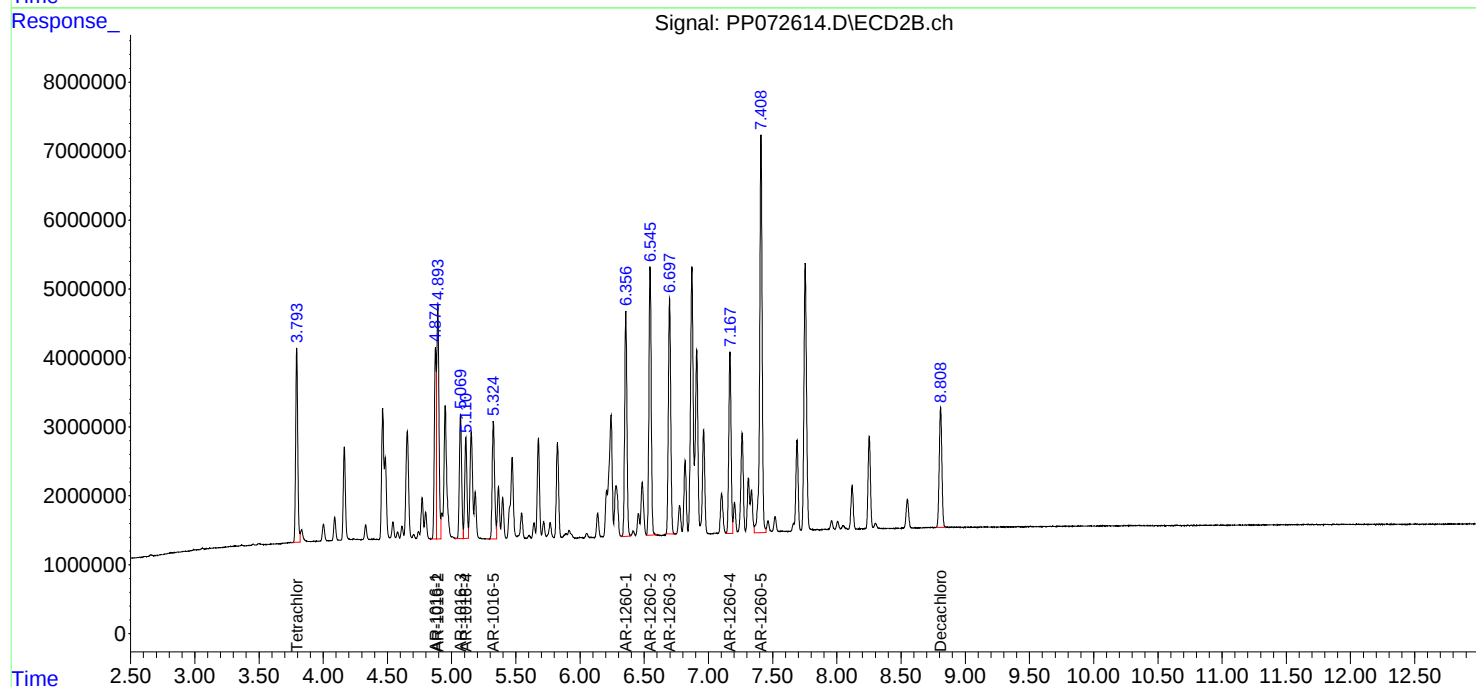
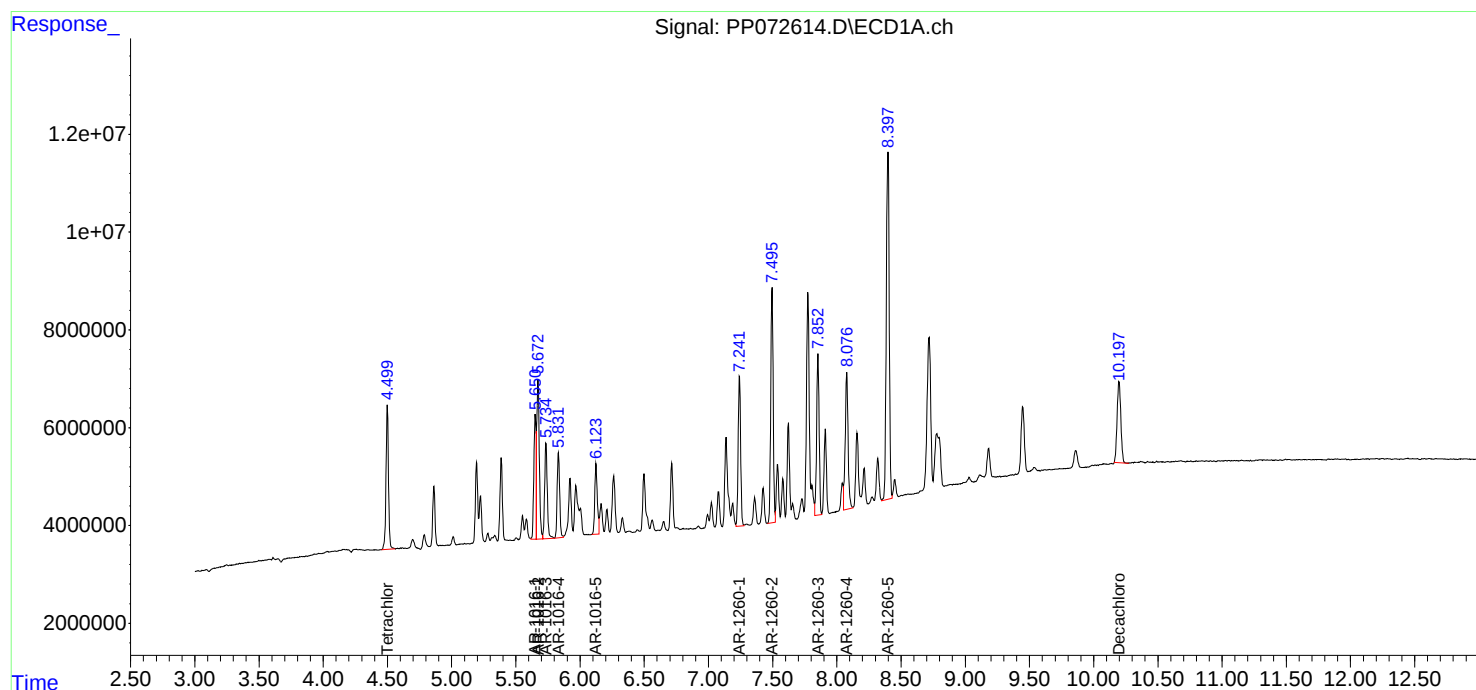
APPROVED

Reviewed By :Yogesh Patel 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:25:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168257BS	SDG No.:	Q2177
Lab Sample ID:	PB168257BS	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072609.D	1	06/03/25 09:03	06/04/25 10:16	PB168257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		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
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
11096-82-5	Aroclor-1260	4.70		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		30 (30) - 150 (173)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		30 (10) - 150 (173)	119%	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\PP060425\
 Data File : PP072609.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 10:16
 Operator : YP\AJ
 Sample : PB168257BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB168257BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 14:22:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.497	3.795	39085568	32015481	19.438	20.030
2) SA Decachlor...	10.198	8.808	32309567	25249091	19.832	23.851m
Target Compounds						
3) L1 AR-1016-1	5.649	4.875	29181284	27900332	388.650	454.184
4) L1 AR-1016-2	5.671	4.893	45074776	40451559	421.292	460.780
5) L1 AR-1016-3	5.733	5.070	27248751	21920830	415.599	459.995
6) L1 AR-1016-4	5.830	5.112	23067761	17567534	433.035	461.753
7) L1 AR-1016-5	6.122	5.326	20067188	22417364	410.295	449.927
31) L7 AR-1260-1	7.240	6.357	41519126	39792726	443.605	498.945
32) L7 AR-1260-2	7.494	6.545	63654247	48368384	443.615	476.901
33) L7 AR-1260-3	7.852	6.698	44389099	44029065	389.820	506.650 #
34) L7 AR-1260-4	8.076	7.168	44603324	32204867	415.678	446.726
35) L7 AR-1260-5	8.394	7.410	98148974	76858820	414.722	442.674

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:16
Operator : YP\AJ
Sample : PB168257BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB168257BS

Manual Integrations

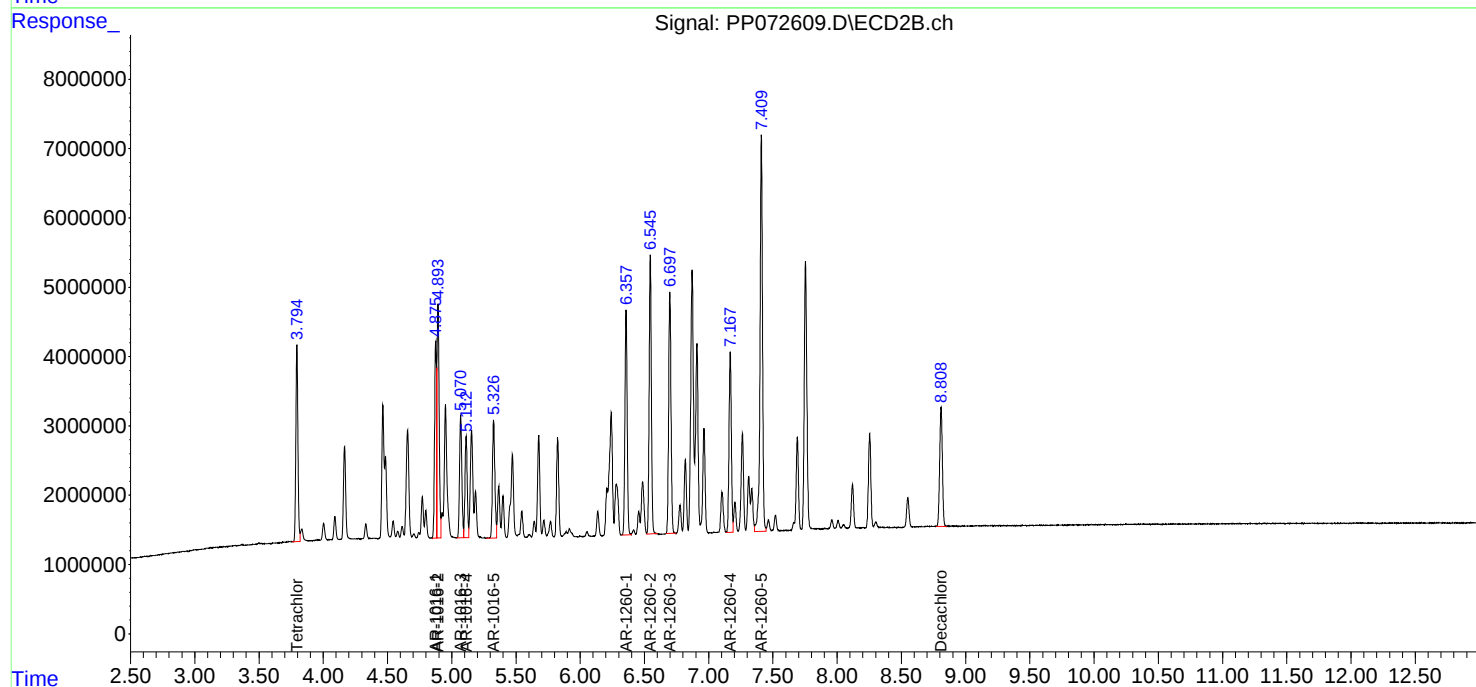
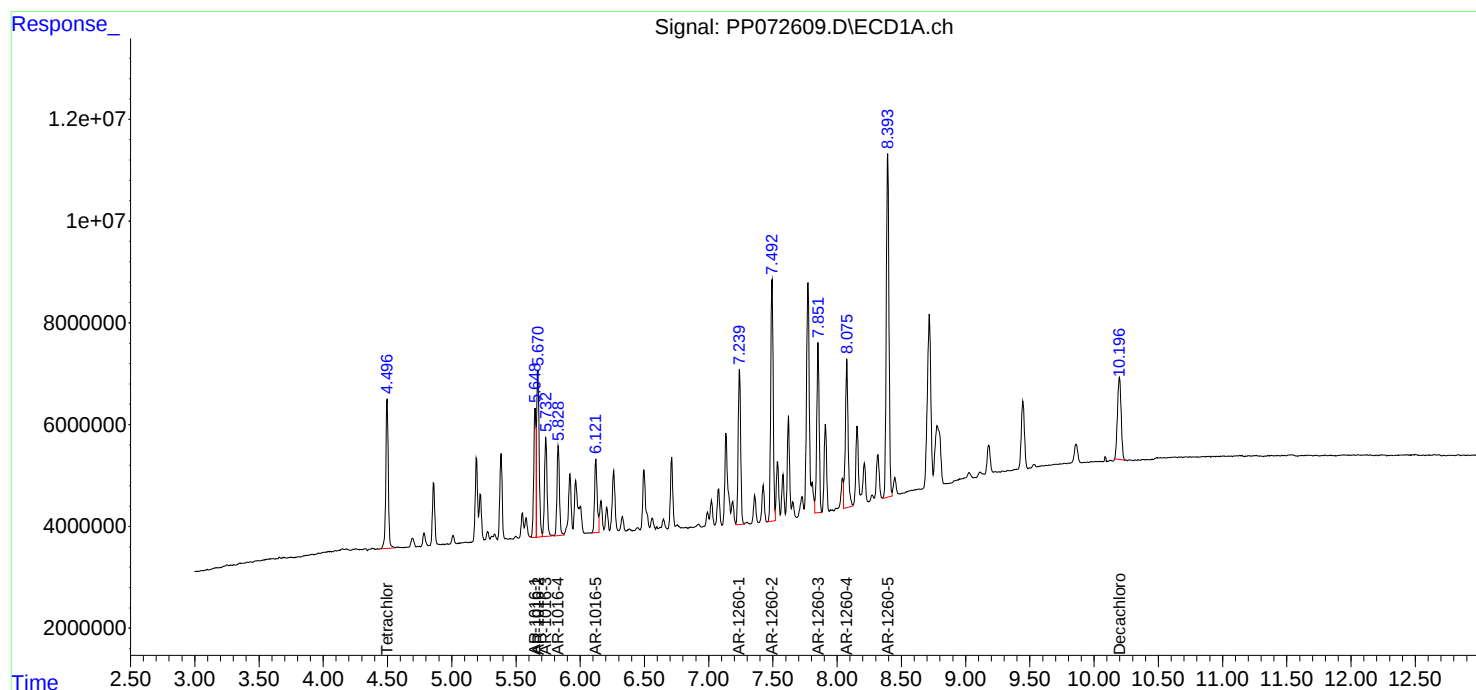
APPROVED

Reviewed By :Yogesh Patel 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:22:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168257BSD	SDG No.:	Q2177
Lab Sample ID:	PB168257BSD	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072610.D	1	06/03/25 09:03	06/04/25 10:32	PB168257

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		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
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
11096-82-5	Aroclor-1260	4.70		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		30 (30) - 150 (173)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		30 (10) - 150 (173)	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
 Data File : PP072610.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 10:32
 Operator : YP\AJ
 Sample : PB168257BSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB168257BSD

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 14:23:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.497	3.794	38701037	31628676	19.247	19.788
2) SA Decachlor...	10.192	8.808	33798703	24838461	20.747m	23.463m
Target Compounds						
3) L1 AR-1016-1	5.648	4.875	29246859	27701825	389.524	450.953
4) L1 AR-1016-2	5.670	4.893	44940217	40358434	420.035	459.719
5) L1 AR-1016-3	5.732	5.070	26981681	22054662	411.526	462.803
6) L1 AR-1016-4	5.830	5.111	23069880	17644069	433.075	463.764
7) L1 AR-1016-5	6.122	5.325	20137353	22319482	411.729	447.963
31) L7 AR-1260-1	7.239	6.357	41146762	39087056	439.627	490.097
32) L7 AR-1260-2	7.492	6.546	63445621	47075370	442.161	464.153
33) L7 AR-1260-3	7.851	6.698	43022545	42653929	377.819	490.826 #
34) L7 AR-1260-4	8.074	7.168	43595182	31847198	406.283	441.764
35) L7 AR-1260-5	8.393	7.410	98485975	76229564	416.146	439.050

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060425\
Data File : PP072610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:32
Operator : YP\AJ
Sample : PB168257BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

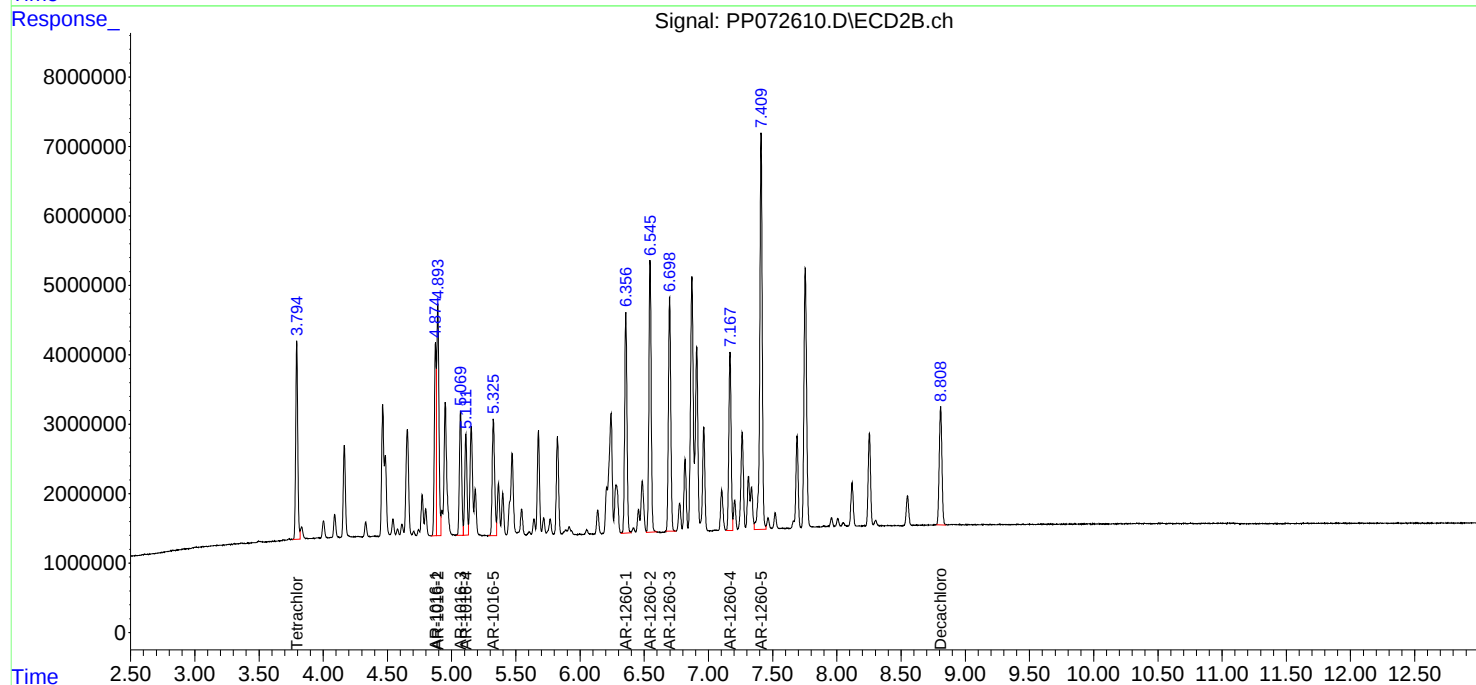
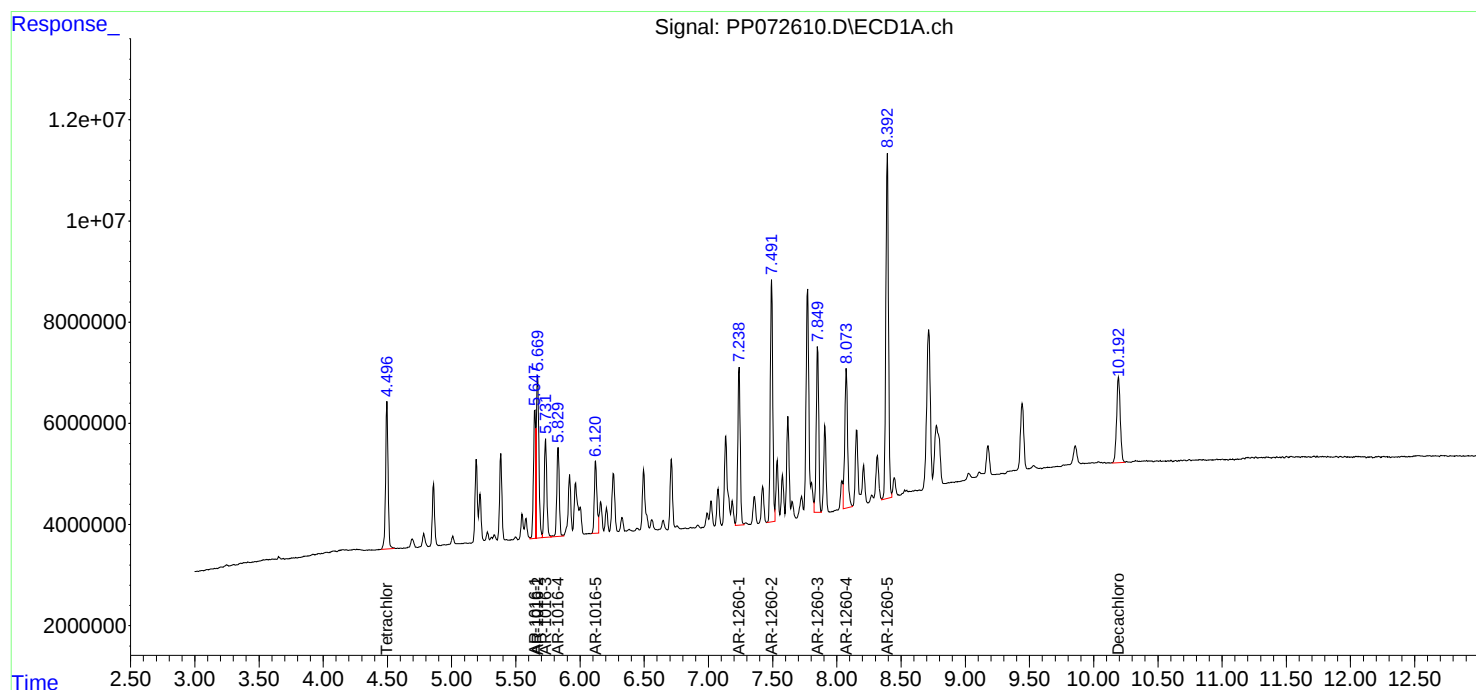
Instrument :
ECD_P
ClientSampleId :
PB168257BSD

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:23:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	TP-28MS	SDG No.:	Q2177
Lab Sample ID:	Q2176-05MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072574.D	1	06/03/25 09:30	06/03/25 18:53	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	168		4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	161		3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		30 (32) - 150 (144)	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		30 (32) - 150 (175)	111%	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\PP060325\
 Data File : PP072574.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 18:53
 Operator : YP\AJ
 Sample : Q2176-05MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-28MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:35:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.500	3.796	42938767	35678486	21.354	22.322
2) SA Decachlor...	10.199	8.811	31510912	23545456	19.342	22.242
Target Compounds						
3) L1 AR-1016-1	5.652	4.877	28825899	27777887	383.917	452.191
4) L1 AR-1016-2	5.673	4.895	44352765	40225056	414.544	458.200
5) L1 AR-1016-3	5.735	5.071	26722687	22156711	407.576	464.945
6) L1 AR-1016-4	5.832	5.113	22584646	17536778	423.966	460.944
7) L1 AR-1016-5	6.125	5.327	19684210	22168214	402.464	444.927
31) L7 AR-1260-1	7.242	6.358	40815170	38604907	436.084	484.051
32) L7 AR-1260-2	7.495	6.548	55452283	44674886	386.455	440.484
33) L7 AR-1260-3	7.854	6.700	38576087	40361306	338.771	464.444 #
34) L7 AR-1260-4	8.076	7.170	40162071	29309317	374.288m	406.560
35) L7 AR-1260-5	8.396	7.412	86378600	68250798	364.987	393.095

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:53
Operator : YP\AJ
Sample : Q2176-05MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

TP-28MS

Manual Integrations

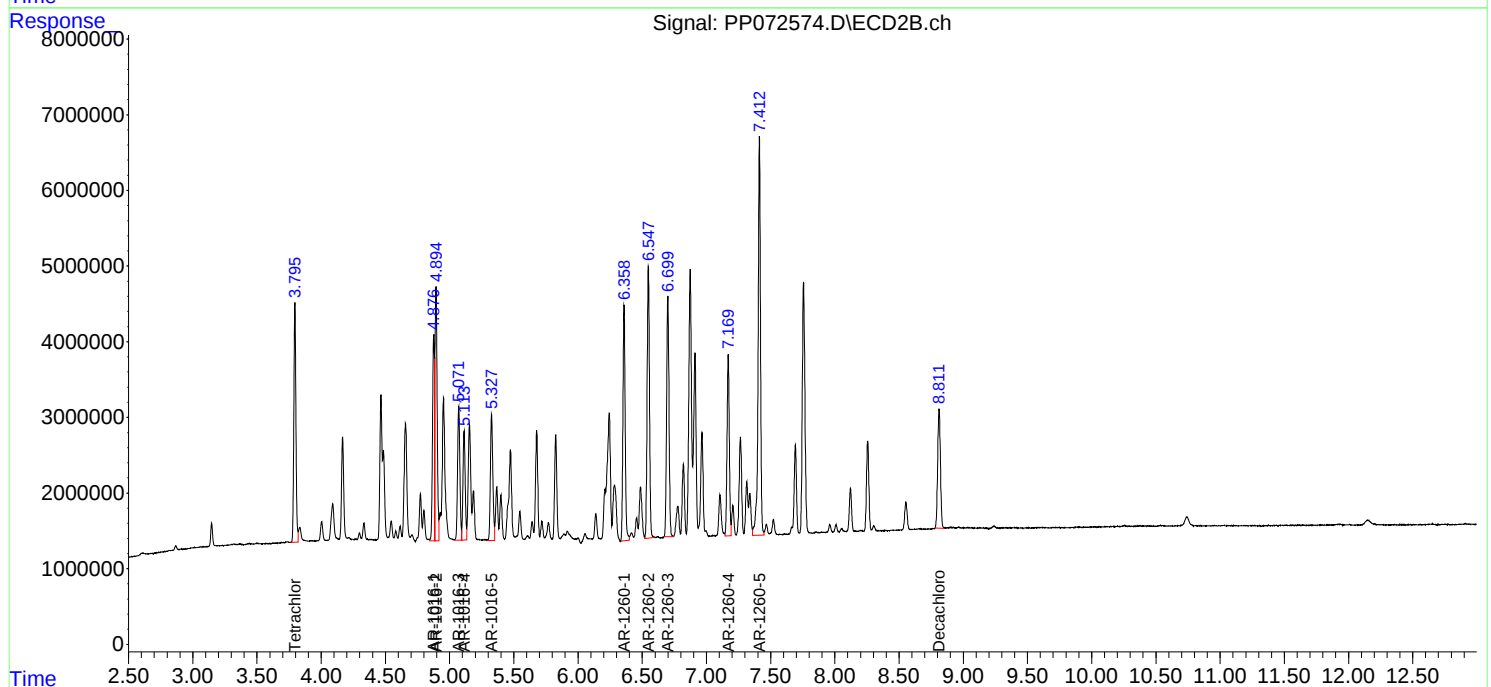
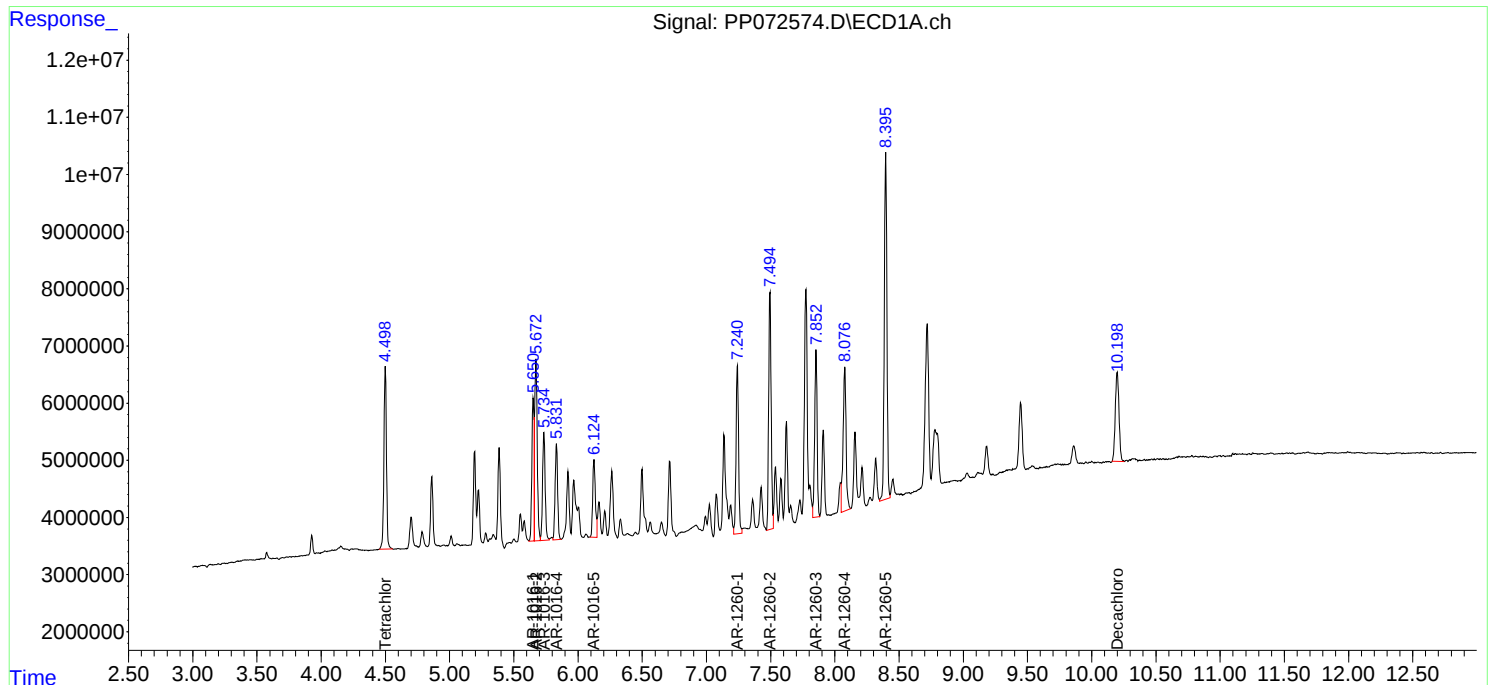
APPROVED

Reviewed By :Yogesh Patel 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	TP-28MSD	SDG No.:	Q2177
Lab Sample ID:	Q2176-05MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072575.D	1	06/03/25 09:30	06/03/25 19:10	PB168252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	142		4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	139		3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		30 (32) - 150 (144)	98%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
 Data File : PP072575.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:10
 Operator : YP\AJ
 Sample : Q2176-05MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-28MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:36:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.502	3.794	37735552	31385086	18.766	19.636
2) SA Decachlor...	10.203	8.810	26215247	20442283	16.092	19.311
Target Compounds						
3) L1 AR-1016-1	5.654	4.876	24724546	23536824	329.293	383.152
4) L1 AR-1016-2	5.676	4.894	37697059	33902035	352.336	386.175
5) L1 AR-1016-3	5.737	5.071	22925229	18698284	349.657	392.372
6) L1 AR-1016-4	5.835	5.113	19769235	14909186	371.114	391.880
7) L1 AR-1016-5	6.127	5.326	16817630	18849701	343.854	378.322
31) L7 AR-1260-1	7.245	6.359	33386865	33419493	356.717	419.034
32) L7 AR-1260-2	7.498	6.547	46848180	38518220	326.492	379.781
33) L7 AR-1260-3	7.857	6.699	32955315	34909171	289.410	401.706 #
34) L7 AR-1260-4	8.081	7.169	34132244	25393700	318.093	352.245
35) L7 AR-1260-5	8.399	7.411	72265990	59000738	305.355	339.819

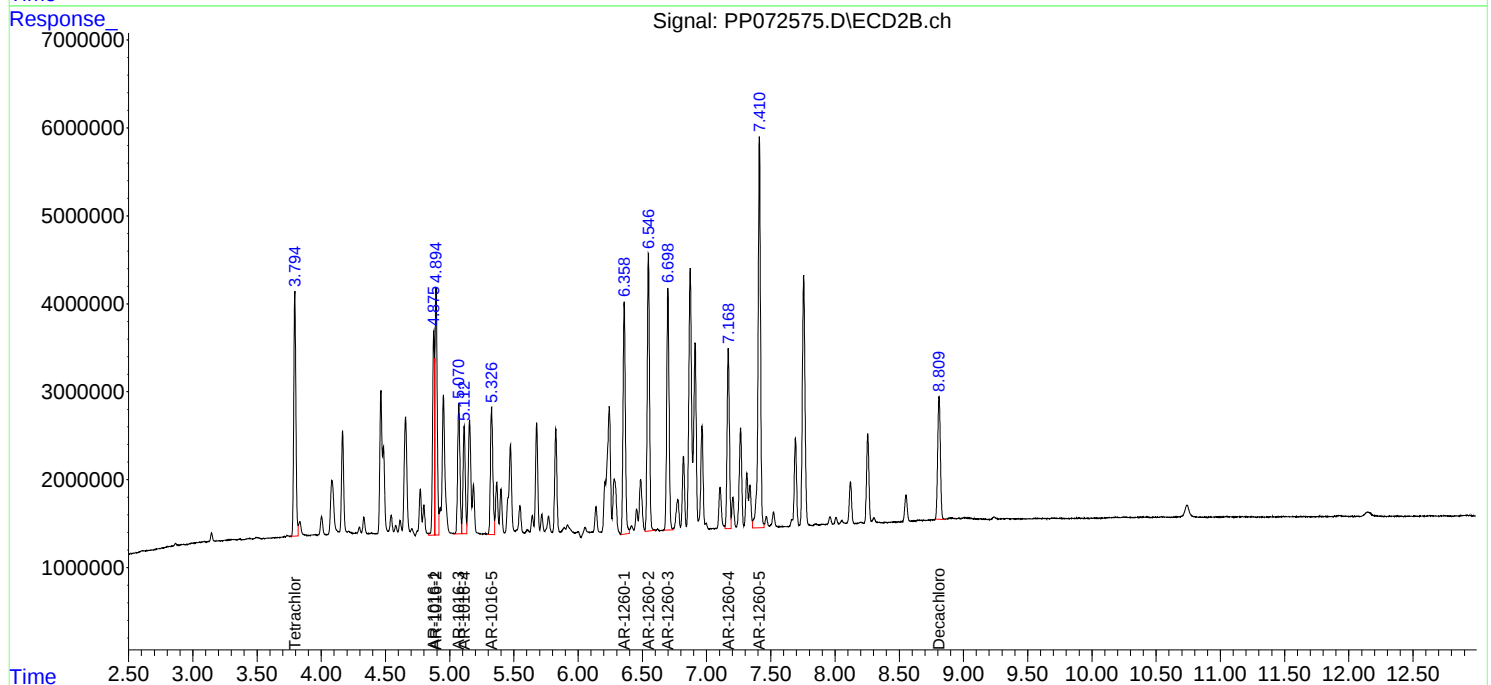
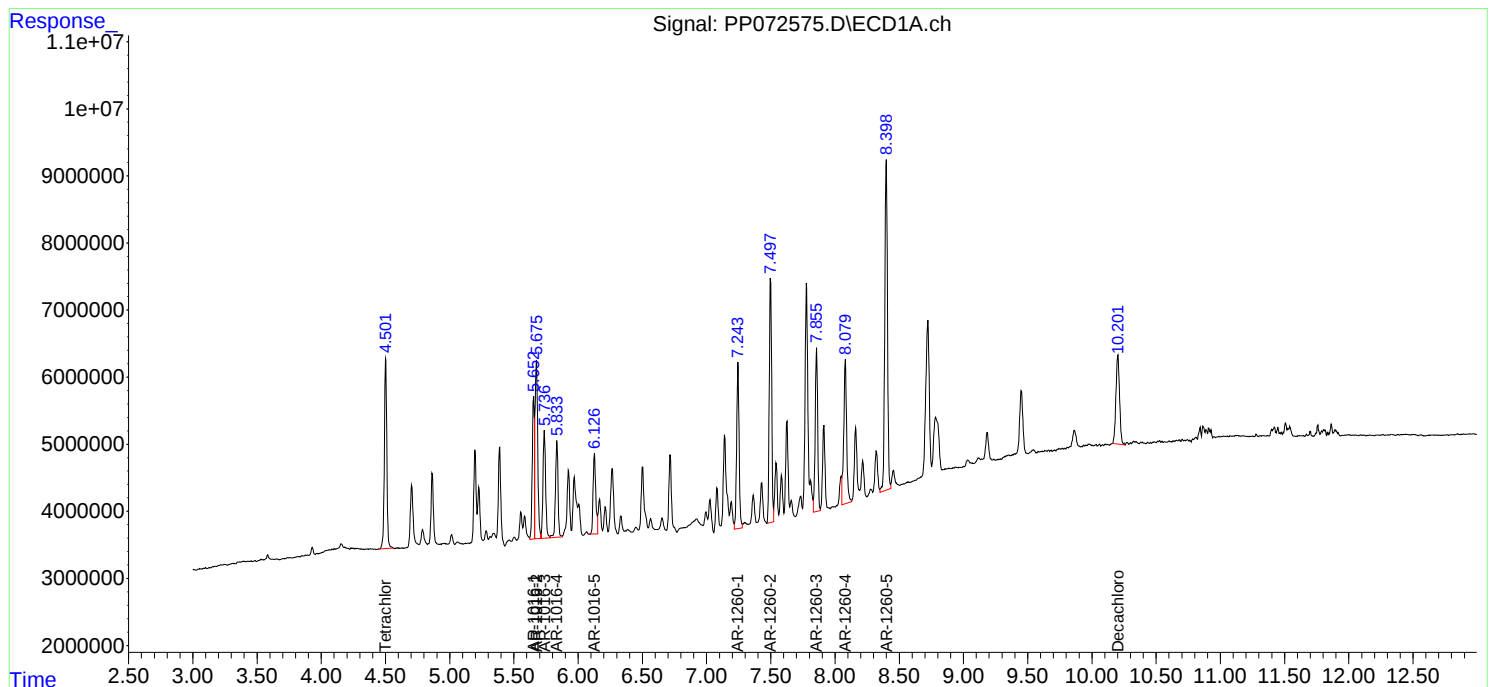
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP060325\
Data File : PP072575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:10
Operator : YP\AJ
Sample : Q2176-05MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-28MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	PO051525	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC750	PO111059.D	AR-1260-3 #2	yogesh	5/15/2025 7:37:11 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC250	PO111061.D	AR-1016-3	yogesh	5/15/2025 7:37:15 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-1	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-2	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software
AR1660ICC050	PO111062.D	AR-1260-3 #2	yogesh	5/15/2025 7:37:17 AM	mohammad	5/16/2025 1:55:32	Peak Integrated by Software

Manual Integration Report

Sequence:	PO060325	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO111418.D	AR-1016-1	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	AR-1016-2	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	AR-1016-3	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	AR-1016-4	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	AR-1016-5	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	Decachlorobiphenyl	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111418.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:12 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111419.D	AR-1242-3	yogesh	6/4/2025 7:49:14 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111419.D	AR-1242-3 #2	yogesh	6/4/2025 7:49:14 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111419.D	Decachlorobiphenyl	yogesh	6/4/2025 7:49:14 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111419.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:14 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111420.D	AR-1248-3	yogesh	6/4/2025 7:49:16 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111420.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:16 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software

Manual Integration Report

Sequence:	PO060325	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO111421.D	AR-1254-1	yogesh	6/4/2025 7:49:18 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111421.D	AR-1254-2	yogesh	6/4/2025 7:49:18 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111421.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:18 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111422.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:20 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111422.D	Tetrachloro-m-xylene #2	yogesh	6/4/2025 7:49:20 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	AR-1016-1	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	AR-1016-2	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	AR-1016-3	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	AR-1016-5	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111433.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:42 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111434.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:43 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111435.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:45 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111436.D	AR-1254-1	yogesh	6/4/2025 7:49:47 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software

Manual Integration Report

Sequence:	PO060325	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO111436.D	AR-1254-2	yogesh	6/4/2025 7:49:47 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111436.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:47 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111437.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:49:48 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-1	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-2	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-3	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-5	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	AR-1016-5 #2	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1660CCC500	PO111447.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:06 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111448.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:07 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1242CCC500	PO111448.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:07 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111449.D	AR-1248-3	yogesh	6/4/2025 7:50:11 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software

Manual Integration Report

Sequence:	PO060325	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PO111449.D	AR-1248-4 #2	yogesh	6/4/2025 7:50:11 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111449.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:11 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1248CCC500	PO111449.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:11 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	AR-1254-1	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	AR-1254-2	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	AR-1254-3	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
AR1254CCC500	PO111450.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:13 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111451.D	Decachlorobiphenyl	yogesh	6/4/2025 7:50:16 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software
I.BLK	PO111451.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:50:16 AM	mohammad	6/5/2025 1:34:44	Peak Integrated by Software

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP072168.D	AR-1016-1	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-2	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-3	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-4	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-3	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-4	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-1	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-3	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-4	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5 #2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1248ICC050	PP072184.D	AR-1248-1	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

Manual Integration Report

Sequence:

PP051925

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PP072184.D	AR-1248-4 #2	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-1	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4 #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	AR-1268-1	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072553.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:40 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072553.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:40 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072554.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:42 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072554.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:42 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072555.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:43 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072555.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:43 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072556.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:48 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072556.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:48 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072557.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:50 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072557.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:50 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168252BL	PP072558.D	Decachlorobiphenyl	yogesh	6/4/2025 7:42:53 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168252BL	PP072558.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:42:53 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072568.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:07 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072568.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:07 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072569.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:09 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072570.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072570.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072571.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:12 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072571.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:12 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072572.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:14 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2176-05MS	PP072574.D	AR-1260-4	yogesh	6/4/2025 7:43:16 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-02	PP072579.D	Tetrachloro-m-xylene	yogesh	6/4/2025 7:43:52 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-04	PP072580.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:54 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-04	PP072580.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:54 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-06	PP072581.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:57 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
Q2177-06	PP072581.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:57 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2177-06	PP072581.D	Tetrachloro-m-xylene	yogesh	6/4/2025 7:43:57 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072583.D	Decachlorobiphenyl	yogesh	6/4/2025 7:43:58 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072583.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:43:58 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072584.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:01 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072584.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:01 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072585.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:02 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072585.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:02 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072586.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:04 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072586.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:04 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072587.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:06 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072587.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:06 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168257BL	PP072590.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
PB168257BL	PP072590.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:11 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

Manual Integration Report

Sequence:	PP060325	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072598.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:24 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1660CCC500	PP072598.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:24 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072599.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:25 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1242CCC500	PP072599.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:25 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072600.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:27 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1248CCC500	PP072600.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:27 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072601.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:29 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
AR1254CCC500	PP072601.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:29 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072602.D	Decachlorobiphenyl	yogesh	6/4/2025 7:44:31 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software
I.BLK	PP072602.D	Decachlorobiphenyl #2	yogesh	6/4/2025 7:44:31 AM	mohammad	6/5/2025 1:35:08	Peak Integrated by Software

Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072604.D	AR-1260-3 #2	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072604.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072604.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:30 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072605.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:32 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072606.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:33 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072606.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:33 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072607.D	Decachlorobiphenyl	yogesh	6/5/2025 7:31:35 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072607.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:35 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072608.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:31:37 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168257BS	PP072609.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:17 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168257BSD	PP072610.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168257BSD	PP072610.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
PB168252BS	PP072614.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:22 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software

Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072619.D	AR-1260-3 #2	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072619.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072619.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:36 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072620.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:38 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072621.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:41 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072621.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:41 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072622.D	Decachlorobiphenyl	yogesh	6/5/2025 7:33:43 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072622.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:33:43 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072636.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:03 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072636.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:03 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072637.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:05 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072637.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:05 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072638.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:07 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software

Manual Integration Report

Sequence:	PP060425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PP072638.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:07 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072641.D	AR-1260-3 #2	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072641.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1660CCC500	PP072641.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:14 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072642.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:15 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1242CCC500	PP072642.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:15 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072643.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:17 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1248CCC500	PP072643.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:17 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072644.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
AR1254CCC500	PP072644.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:19 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072645.D	Decachlorobiphenyl	yogesh	6/5/2025 7:34:21 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software
I.BLK	PP072645.D	Decachlorobiphenyl #2	yogesh	6/5/2025 7:34:21 AM	mohammad	6/6/2025 9:37:42	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PP060425

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM
SubDirectory	PO051525	HP Acquire Method	HP Processing Method PO051525
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344, PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359, PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO111056.D	14 May 2025 16:43	YP/AJ	Ok
2	I.BLK	PO111057.D	14 May 2025 17:01	YP/AJ	Ok
3	AR1660ICC1000	PO111058.D	14 May 2025 17:19	YP/AJ	Ok
4	AR1660ICC750	PO111059.D	14 May 2025 17:38	YP/AJ	Ok,M
5	AR1660ICC500	PO111060.D	14 May 2025 17:56	YP/AJ	Ok
6	AR1660ICC250	PO111061.D	14 May 2025 18:15	YP/AJ	Ok,M
7	AR1660ICC050	PO111062.D	14 May 2025 18:33	YP/AJ	Ok,M
8	AR1221ICC500	PO111063.D	14 May 2025 18:51	YP/AJ	Ok
9	AR1232ICC500	PO111064.D	14 May 2025 19:10	YP/AJ	Ok
10	AR1242ICC1000	PO111065.D	14 May 2025 19:28	YP/AJ	Ok
11	AR1242ICC750	PO111066.D	14 May 2025 19:46	YP/AJ	Ok
12	AR1242ICC500	PO111067.D	14 May 2025 20:05	YP/AJ	Ok
13	AR1242ICC250	PO111068.D	14 May 2025 20:23	YP/AJ	Ok
14	AR1242ICC050	PO111069.D	14 May 2025 20:41	YP/AJ	Ok
15	AR1248ICC1000	PO111070.D	14 May 2025 21:00	YP/AJ	Ok
16	AR1248ICC750	PO111071.D	14 May 2025 21:18	YP/AJ	Ok
17	AR1248ICC500	PO111072.D	14 May 2025 21:37	YP/AJ	Ok
18	AR1248ICC250	PO111073.D	14 May 2025 21:54	YP/AJ	Ok
19	AR1248ICC050	PO111074.D	14 May 2025 22:12	YP/AJ	Ok
20	AR1254ICC1000	PO111075.D	14 May 2025 22:31	YP/AJ	Ok
21	AR1254ICC750	PO111076.D	14 May 2025 22:49	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM
SubDirectory	PO051525	HP Acquire Method	HP Processing Method PO051525
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	PO111077.D	14 May 2025 23:06	YP/AJ	Ok
23	AR1254ICC250	PO111078.D	14 May 2025 23:25	YP/AJ	Ok
24	AR1254ICC050	PO111079.D	14 May 2025 23:43	YP/AJ	Ok
25	AR1262ICC500	PO111080.D	15 May 2025 00:01	YP/AJ	Ok
26	AR1268ICC1000	PO111081.D	15 May 2025 00:19	YP/AJ	Ok
27	AR1268ICC750	PO111082.D	15 May 2025 00:37	YP/AJ	Ok
28	AR1268ICC500	PO111083.D	15 May 2025 00:56	YP/AJ	Ok
29	AR1268ICC250	PO111084.D	15 May 2025 01:14	YP/AJ	Ok
30	AR1268ICC050	PO111085.D	15 May 2025 01:31	YP/AJ	Ok
31	PO051525ICV500	PO111086.D	15 May 2025 01:50	YP/AJ	Ok
32	AR1242ICV500	PO111087.D	15 May 2025 02:26	YP/AJ	Ok
33	AR1248ICV500	PO111088.D	15 May 2025 03:03	YP/AJ	Ok
34	AR1254ICV500	PO111089.D	15 May 2025 03:40	YP/AJ	Ok
35	AR1268ICV500	PO111090.D	15 May 2025 04:17	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO060325

Review By	yogesh	Review On	6/3/2025 10:20:11 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:34:44 AM
SubDirectory	PO060325	HP Acquire Method	HP Processing Method PO051525
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO111417.D	03 Jun 2025 08:55	YP/AJ	Ok
2	AR1660CCC500	PO111418.D	03 Jun 2025 09:14	YP/AJ	Ok,M
3	AR1242CCC500	PO111419.D	03 Jun 2025 09:32	YP/AJ	Ok,M
4	AR1248CCC500	PO111420.D	03 Jun 2025 09:50	YP/AJ	Ok,M
5	AR1254CCC500	PO111421.D	03 Jun 2025 10:09	YP/AJ	Ok,M
6	I.BLK	PO111422.D	03 Jun 2025 10:27	YP/AJ	Ok,M
7	PB168228BL	PO111423.D	03 Jun 2025 10:46	YP/AJ	Not Ok
8	Q2166-01	PO111424.D	03 Jun 2025 11:04	YP/AJ	Not Ok
9	PB168251BL	PO111425.D	03 Jun 2025 13:20	YP/AJ	Ok,M
10	PB168251BS	PO111426.D	03 Jun 2025 13:39	YP/AJ	Ok,M
11	Q2183-01	PO111427.D	03 Jun 2025 13:57	YP/AJ	Ok,M
12	Q2183-02	PO111428.D	03 Jun 2025 14:15	YP/AJ	Ok,M
13	Q2183-03	PO111429.D	03 Jun 2025 14:34	YP/AJ	Ok,M
14	Q2183-04	PO111430.D	03 Jun 2025 14:52	YP/AJ	Ok,M
15	Q2183-05	PO111431.D	03 Jun 2025 15:10	YP/AJ	Ok,M
16	Q2183-06	PO111432.D	03 Jun 2025 15:29	YP/AJ	Ok,M
17	AR1660CCC500	PO111433.D	03 Jun 2025 16:42	YP/AJ	Ok,M
18	AR1242CCC500	PO111434.D	03 Jun 2025 17:19	YP/AJ	Ok,M
19	AR1248CCC500	PO111435.D	03 Jun 2025 17:37	YP/AJ	Ok,M
20	AR1254CCC500	PO111436.D	03 Jun 2025 17:56	YP/AJ	Ok,M
21	I.BLK	PO111437.D	03 Jun 2025 18:14	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO060325

Review By	yogesh	Review On	6/3/2025 10:20:11 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:34:44 AM
SubDirectory	PO060325	HP Acquire Method	HP Processing Method PO051525
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2183-07	PO111438.D	03 Jun 2025 18:32	YP/AJ	Ok,M
23	Q2183-08	PO111439.D	03 Jun 2025 18:51	YP/AJ	Ok,M
24	Q2184-01	PO111440.D	03 Jun 2025 19:09	YP/AJ	Ok
25	Q2184-02	PO111441.D	03 Jun 2025 19:27	YP/AJ	Ok,M
26	Q2184-03	PO111442.D	03 Jun 2025 19:46	YP/AJ	Ok,M
27	Q2184-04	PO111443.D	03 Jun 2025 20:04	YP/AJ	Ok,M
28	Q2175-06	PO111444.D	03 Jun 2025 20:22	YP/AJ	ReRun
29	Q2177-08	PO111445.D	03 Jun 2025 20:41	YP/AJ	Ok
30	Q2170-01	PO111446.D	03 Jun 2025 20:59	YP/AJ	Ok,M
31	AR1660CCC500	PO111447.D	03 Jun 2025 22:13	YP/AJ	Ok,M
32	AR1242CCC500	PO111448.D	03 Jun 2025 22:49	YP/AJ	Ok,M
33	AR1248CCC500	PO111449.D	03 Jun 2025 23:08	YP/AJ	Ok,M
34	AR1254CCC500	PO111450.D	03 Jun 2025 23:26	YP/AJ	Ok,M
35	I.BLK	PO111451.D	03 Jun 2025 23:44	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344, PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359, PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072162.D	19 May 2025 09:09	YP\AJ	Ok
2	I.BLK	PP072163.D	19 May 2025 09:26	YP\AJ	Ok
3	AR1660ICC1000	PP072164.D	19 May 2025 09:42	YP\AJ	Ok
4	AR1660ICC750	PP072165.D	19 May 2025 09:59	YP\AJ	Ok
5	AR1660ICC500	PP072166.D	19 May 2025 10:15	YP\AJ	Ok
6	AR1660ICC250	PP072167.D	19 May 2025 10:32	YP\AJ	Ok
7	AR1660ICC050	PP072168.D	19 May 2025 10:48	YP\AJ	Ok,M
8	AR1221ICC500	PP072169.D	19 May 2025 11:05	YP\AJ	Ok
9	AR1232ICC1000	PP072170.D	19 May 2025 11:21	YP\AJ	Ok
10	AR1232ICC750	PP072171.D	19 May 2025 11:38	YP\AJ	Ok
11	AR1232ICC500	PP072172.D	19 May 2025 11:54	YP\AJ	Ok
12	AR1232ICC250	PP072173.D	19 May 2025 12:10	YP\AJ	Ok
13	AR1232ICC050	PP072174.D	19 May 2025 12:27	YP\AJ	Ok,M
14	AR1242ICC1000	PP072175.D	19 May 2025 12:43	YP\AJ	Ok
15	AR1242ICC750	PP072176.D	19 May 2025 12:59	YP\AJ	Ok
16	AR1242ICC500	PP072177.D	19 May 2025 13:15	YP\AJ	Ok
17	AR1242ICC250	PP072178.D	19 May 2025 13:32	YP\AJ	Ok
18	AR1242ICC050	PP072179.D	19 May 2025 13:48	YP\AJ	Ok,M
19	AR1248ICC1000	PP072180.D	19 May 2025 14:04	YP\AJ	Ok
20	AR1248ICC750	PP072181.D	19 May 2025 14:20	YP\AJ	Ok
21	AR1248ICC500	PP072182.D	19 May 2025 14:37	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
LCS Standard			

22	AR1248ICC250	PP072183.D	19 May 2025 14:53	YPIAJ	Ok
23	AR1248ICC050	PP072184.D	19 May 2025 15:25	YPIAJ	Ok,M
24	AR1254ICC1000	PP072185.D	19 May 2025 15:42	YPIAJ	Ok
25	AR1254ICC750	PP072186.D	19 May 2025 15:58	YPIAJ	Ok
26	AR1254ICC500	PP072187.D	19 May 2025 16:14	YPIAJ	Ok
27	AR1254ICC250	PP072188.D	19 May 2025 16:31	YPIAJ	Ok
28	AR1254ICC050	PP072189.D	19 May 2025 16:47	YPIAJ	Ok,M
29	AR1262ICC500	PP072190.D	19 May 2025 17:03	YPIAJ	Ok
30	AR1268ICC1000	PP072191.D	19 May 2025 17:20	YPIAJ	Ok
31	AR1268ICC750	PP072192.D	19 May 2025 17:36	YPIAJ	Ok
32	AR1268ICC500	PP072193.D	19 May 2025 17:53	YPIAJ	Ok
33	AR1268ICC250	PP072194.D	19 May 2025 18:09	YPIAJ	Ok
34	AR1268ICC050	PP072195.D	19 May 2025 18:25	YPIAJ	Ok,M
35	PP051925ICV500	PP072196.D	19 May 2025 18:42	YPIAJ	Ok
36	AR1232ICV500	PP072197.D	19 May 2025 19:14	YPIAJ	Ok
37	AR1242ICV500	PP072198.D	19 May 2025 19:47	YPIAJ	Ok
38	AR1248ICV500	PP072199.D	19 May 2025 20:19	YPIAJ	Ok
39	AR1254ICV500	PP072200.D	19 May 2025 20:52	YPIAJ	Ok
40	AR1268ICV500	PP072201.D	19 May 2025 21:25	YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM
SubDirectory	PP060325	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072552.D	03 Jun 2025 10:06	YP\AJ	Ok
2	AR1660CCC500	PP072553.D	03 Jun 2025 10:22	YP\AJ	Ok,M
3	AR1242CCC500	PP072554.D	03 Jun 2025 10:39	YP\AJ	Ok,M
4	AR1248CCC500	PP072555.D	03 Jun 2025 10:55	YP\AJ	Ok,M
5	AR1254CCC500	PP072556.D	03 Jun 2025 11:11	YP\AJ	Ok,M
6	I.BLK	PP072557.D	03 Jun 2025 11:27	YP\AJ	Ok,M
7	PB168252BL	PP072558.D	03 Jun 2025 13:28	YP\AJ	Ok,M
8	PB168252BS	PP072559.D	03 Jun 2025 13:44	YP\AJ	Not Ok
9	Q2168-01	PP072560.D	03 Jun 2025 14:00	YP\AJ	Dilution
10	Q2168-05	PP072561.D	03 Jun 2025 14:16	YP\AJ	Dilution
11	Q2168-09	PP072562.D	03 Jun 2025 14:33	YP\AJ	Dilution
12	Q2175-01	PP072563.D	03 Jun 2025 14:49	YP\AJ	Not Ok
13	Q2176-01	PP072564.D	03 Jun 2025 15:05	YP\AJ	Not Ok
14	Q2176-02	PP072565.D	03 Jun 2025 15:22	YP\AJ	Not Ok
15	Q2176-03	PP072566.D	03 Jun 2025 15:38	YP\AJ	Not Ok
16	Q2176-04	PP072567.D	03 Jun 2025 15:54	YP\AJ	Ok,M
17	AR1660CCC500	PP072568.D	03 Jun 2025 16:59	YP\AJ	Ok,M
18	AR1242CCC500	PP072569.D	03 Jun 2025 17:32	YP\AJ	Ok,M
19	AR1248CCC500	PP072570.D	03 Jun 2025 17:48	YP\AJ	Ok,M
20	AR1254CCC500	PP072571.D	03 Jun 2025 18:05	YP\AJ	Ok,M
21	I.BLK	PP072572.D	03 Jun 2025 18:21	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM
SubDirectory	PP060325	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2176-05	PP072573.D	03 Jun 2025 18:37	YP\AJ	Ok
23	Q2176-05MS	PP072574.D	03 Jun 2025 18:53	YP\AJ	Ok,M
24	Q2176-05MSD	PP072575.D	03 Jun 2025 19:10	YP\AJ	Ok
25	Q2176-06	PP072576.D	03 Jun 2025 19:26	YP\AJ	Ok,M
26	Q2176-07	PP072577.D	03 Jun 2025 19:42	YP\AJ	Ok
27	Q2176-08	PP072578.D	03 Jun 2025 19:59	YP\AJ	Ok
28	Q2177-02	PP072579.D	03 Jun 2025 20:15	YP\AJ	Ok,M
29	Q2177-04	PP072580.D	03 Jun 2025 20:31	YP\AJ	Ok,M
30	Q2177-06	PP072581.D	03 Jun 2025 20:48	YP\AJ	Ok,M
31	Q2178-01	PP072582.D	03 Jun 2025 21:04	YP\AJ	Ok,M
32	AR1660CCC500	PP072583.D	03 Jun 2025 22:25	YP\AJ	Ok,M
33	AR1242CCC500	PP072584.D	03 Jun 2025 22:58	YP\AJ	Ok,M
34	AR1248CCC500	PP072585.D	03 Jun 2025 23:14	YP\AJ	Ok,M
35	AR1254CCC500	PP072586.D	03 Jun 2025 23:30	YP\AJ	Ok,M
36	I.BLK	PP072587.D	03 Jun 2025 23:47	YP\AJ	Ok,M
37	Q2185-01	PP072588.D	04 Jun 2025 00:03	YP\AJ	Ok,M
38	Q2185-05	PP072589.D	04 Jun 2025 00:19	YP\AJ	Ok,M
39	PB168257BL	PP072590.D	04 Jun 2025 00:35	YP\AJ	Ok,M
40	PB168257BS	PP072591.D	04 Jun 2025 00:52	YP\AJ	Not Ok
41	PB168257BSD	PP072592.D	04 Jun 2025 01:08	YP\AJ	Not Ok
42	Q2165-03	PP072593.D	04 Jun 2025 01:24	YP\AJ	Ok,M
43	Q2165-06	PP072594.D	04 Jun 2025 01:40	YP\AJ	Ok,M
44	Q2169-01	PP072595.D	04 Jun 2025 01:57	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM
SubDirectory	PP060325	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	Q2169-03	PP072596.D	04 Jun 2025 02:13	YP\AJ	Ok,M
46	Q2175-04	PP072597.D	04 Jun 2025 02:29	YP\AJ	Ok,M
47	AR1660CCC500	PP072598.D	04 Jun 2025 03:51	YP\AJ	Ok,M
48	AR1242CCC500	PP072599.D	04 Jun 2025 04:23	YP\AJ	Ok,M
49	AR1248CCC500	PP072600.D	04 Jun 2025 04:40	YP\AJ	Ok,M
50	AR1254CCC500	PP072601.D	04 Jun 2025 04:56	YP\AJ	Ok,M
51	I.BLK	PP072602.D	04 Jun 2025 05:12	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM
SubDirectory	PP060425	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072603.D	04 Jun 2025 08:34	YP\AJ	Ok
2	AR1660CCC500	PP072604.D	04 Jun 2025 08:50	YP\AJ	Ok,M
3	AR1242CCC500	PP072605.D	04 Jun 2025 09:11	YP\AJ	Ok,M
4	AR1248CCC500	PP072606.D	04 Jun 2025 09:27	YP\AJ	Ok,M
5	AR1254CCC500	PP072607.D	04 Jun 2025 09:43	YP\AJ	Ok,M
6	I.BLK	PP072608.D	04 Jun 2025 10:00	YP\AJ	Ok,M
7	PB168257BS	PP072609.D	04 Jun 2025 10:16	YP\AJ	Ok,M
8	PB168257BSD	PP072610.D	04 Jun 2025 10:32	YP\AJ	Ok,M
9	Q2168-01DL	PP072611.D	04 Jun 2025 10:48	YP\AJ	Ok
10	Q2168-05DL	PP072612.D	04 Jun 2025 11:04	YP\AJ	Ok
11	Q2168-09DL	PP072613.D	04 Jun 2025 11:21	YP\AJ	Ok
12	PB168252BS	PP072614.D	04 Jun 2025 11:37	YP\AJ	Ok,M
13	PB168275BL	PP072615.D	04 Jun 2025 12:55	YP\AJ	Ok
14	PB168275BS	PP072616.D	04 Jun 2025 13:12	YP\AJ	Not Ok
15	Q2167-01	PP072617.D	04 Jun 2025 13:28	YP\AJ	ReRun
16	Q2171-01	PP072618.D	04 Jun 2025 13:45	YP\AJ	Dilution
17	AR1660CCC500	PP072619.D	04 Jun 2025 14:51	YP\AJ	Ok,M
18	AR1242CCC500	PP072620.D	04 Jun 2025 15:07	YP\AJ	Ok,M
19	AR1248CCC500	PP072621.D	04 Jun 2025 15:23	YP\AJ	Ok,M
20	AR1254CCC500	PP072622.D	04 Jun 2025 15:40	YP\AJ	Ok,M
21	I.BLK	PP072623.D	04 Jun 2025 15:56	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM
SubDirectory	PP060425	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB168288BL	PP072624.D	04 Jun 2025 16:13	YP\AJ	Ok,M
23	PB168288BS	PP072625.D	04 Jun 2025 16:29	YP\AJ	Not Ok
24	Q2182-01	PP072626.D	04 Jun 2025 16:45	YP\AJ	Ok,M
25	Q2192-01	PP072627.D	04 Jun 2025 17:02	YP\AJ	Dilution
26	Q2194-01	PP072628.D	04 Jun 2025 17:18	YP\AJ	Ok
27	Q2194-03	PP072629.D	04 Jun 2025 17:34	YP\AJ	Ok
28	Q2195-01	PP072630.D	04 Jun 2025 17:51	YP\AJ	Ok,M
29	Q2195-01MS	PP072631.D	04 Jun 2025 18:07	YP\AJ	Ok,M
30	Q2195-01MSD	PP072632.D	04 Jun 2025 18:23	YP\AJ	Ok,M
31	Q2198-01	PP072633.D	04 Jun 2025 18:40	YP\AJ	Ok,M
32	AR1660CCC500	PP072634.D	04 Jun 2025 20:01	YP\AJ	Ok
33	AR1242CCC500	PP072635.D	04 Jun 2025 20:18	YP\AJ	Ok
34	AR1248CCC500	PP072636.D	04 Jun 2025 20:34	YP\AJ	Ok,M
35	AR1254CCC500	PP072637.D	04 Jun 2025 20:50	YP\AJ	Ok,M
36	I.BLK	PP072638.D	04 Jun 2025 21:07	YP\AJ	Ok,M
37	Q2175-09	PP072639.D	04 Jun 2025 21:23	YP\AJ	ReRun
38	Q2171-01DL	PP072640.D	04 Jun 2025 21:39	YP\AJ	Ok,M
39	AR1660CCC500	PP072641.D	04 Jun 2025 22:45	YP\AJ	Ok,M
40	AR1242CCC500	PP072642.D	04 Jun 2025 23:17	YP\AJ	Ok,M
41	AR1248CCC500	PP072643.D	04 Jun 2025 23:34	YP\AJ	Ok,M
42	AR1254CCC500	PP072644.D	04 Jun 2025 23:50	YP\AJ	Ok,M
43	I.BLK	PP072645.D	05 Jun 2025 00:06	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM
SubDirectory	PO051525	HP Acquire Method	HP Processing Method PO051525

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO111056.D	14 May 2025 16:43		YP/AJ	Ok
2	I.BLK	I.BLK	PO111057.D	14 May 2025 17:01		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO111058.D	14 May 2025 17:19		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO111059.D	14 May 2025 17:38		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO111060.D	14 May 2025 17:56		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO111061.D	14 May 2025 18:15		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO111062.D	14 May 2025 18:33		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO111063.D	14 May 2025 18:51		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO111064.D	14 May 2025 19:10		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO111065.D	14 May 2025 19:28		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO111066.D	14 May 2025 19:46		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO111067.D	14 May 2025 20:05		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO111068.D	14 May 2025 20:23		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO111069.D	14 May 2025 20:41		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO111070.D	14 May 2025 21:00		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO111071.D	14 May 2025 21:18		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO111072.D	14 May 2025 21:37		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO111073.D	14 May 2025 21:54		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO051525

Review By	yogesh	Review On	5/14/2025 3:39:03 PM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:32 AM
SubDirectory	PO051525	HP Acquire Method	HP Processing Method PO051525
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		

19	AR1248ICC050	AR1248ICC050	PO111074.D	14 May 2025 22:12		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO111075.D	14 May 2025 22:31		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO111076.D	14 May 2025 22:49		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO111077.D	14 May 2025 23:06		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO111078.D	14 May 2025 23:25		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO111079.D	14 May 2025 23:43		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO111080.D	15 May 2025 00:01		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO111081.D	15 May 2025 00:19		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO111082.D	15 May 2025 00:37		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO111083.D	15 May 2025 00:56		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO111084.D	15 May 2025 01:14		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO111085.D	15 May 2025 01:31		YP/AJ	Ok
31	PO051525ICV500	ICVPO051525	PO111086.D	15 May 2025 01:50		YP/AJ	Ok
32	AR1242ICV500	ICVPO051525AR1242	PO111087.D	15 May 2025 02:26		YP/AJ	Ok
33	AR1248ICV500	ICVPO051525AR1248	PO111088.D	15 May 2025 03:03		YP/AJ	Ok
34	AR1254ICV500	ICVPO051525AR1254	PO111089.D	15 May 2025 03:40		YP/AJ	Ok
35	AR1268ICV500	ICVPO051525AR1268	PO111090.D	15 May 2025 04:17		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO060325

Review By	yogesh	Review On	6/3/2025 10:20:11 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:34:44 AM
SubDirectory	PO060325	HP Acquire Method	HP Processing Method PO051525

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	PO111417.D	03 Jun 2025 08:55		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO111418.D	03 Jun 2025 09:14		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO111419.D	03 Jun 2025 09:32		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO111420.D	03 Jun 2025 09:50		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO111421.D	03 Jun 2025 10:09		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO111422.D	03 Jun 2025 10:27		YP/AJ	Ok,M
7	PB168228BL	PB168228BL	PO111423.D	03 Jun 2025 10:46	Already run	YP/AJ	Not Ok
8	Q2166-01	1	PO111424.D	03 Jun 2025 11:04	Already run	YP/AJ	Not Ok
9	PB168251BL	PB168251BL	PO111425.D	03 Jun 2025 13:20		YP/AJ	Ok,M
10	PB168251BS	PB168251BS	PO111426.D	03 Jun 2025 13:39		YP/AJ	Ok,M
11	Q2183-01	BC205321-3-1	PO111427.D	03 Jun 2025 13:57	AR1254 Hit	YP/AJ	Ok,M
12	Q2183-02	BC205321-3-2	PO111428.D	03 Jun 2025 14:15	AR1254 Hit	YP/AJ	Ok,M
13	Q2183-03	BC205321-4-1	PO111429.D	03 Jun 2025 14:34		YP/AJ	Ok,M
14	Q2183-04	BC205321-4-2	PO111430.D	03 Jun 2025 14:52		YP/AJ	Ok,M
15	Q2183-05	BC205321-5-1	PO111431.D	03 Jun 2025 15:10		YP/AJ	Ok,M
16	Q2183-06	BC205321-5-2	PO111432.D	03 Jun 2025 15:29		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO111433.D	03 Jun 2025 16:42		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO111434.D	03 Jun 2025 17:19		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO060325

Review By	yogesh	Review On	6/3/2025 10:20:11 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:34:44 AM
SubDirectory	PO060325	HP Acquire Method	HP Processing Method PO051525
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PO111435.D	03 Jun 2025 17:37		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO111436.D	03 Jun 2025 17:56		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO111437.D	03 Jun 2025 18:14		YP/AJ	Ok,M
22	Q2183-07	BC205321-6-1	PO111438.D	03 Jun 2025 18:32		YP/AJ	Ok,M
23	Q2183-08	BC205321-6-2	PO111439.D	03 Jun 2025 18:51		YP/AJ	Ok,M
24	Q2184-01	245F54-1-1	PO111440.D	03 Jun 2025 19:09		YP/AJ	Ok
25	Q2184-02	245F54-1-2	PO111441.D	03 Jun 2025 19:27		YP/AJ	Ok,M
26	Q2184-03	BC226595-1-1	PO111442.D	03 Jun 2025 19:46		YP/AJ	Ok,M
27	Q2184-04	BC226595-1-2	PO111443.D	03 Jun 2025 20:04		YP/AJ	Ok,M
28	Q2175-06	EGR-LIQUID	PO111444.D	03 Jun 2025 20:22	All surrogate low	YP/AJ	ReRun
29	Q2177-08	EB05312025	PO111445.D	03 Jun 2025 20:41		YP/AJ	Ok
30	Q2170-01	51925-AQ	PO111446.D	03 Jun 2025 20:59		YP/AJ	Ok,M
31	AR1660CCC500	AR1660CCC500	PO111447.D	03 Jun 2025 22:13		YP/AJ	Ok,M
32	AR1242CCC500	AR1242CCC500	PO111448.D	03 Jun 2025 22:49		YP/AJ	Ok,M
33	AR1248CCC500	AR1248CCC500	PO111449.D	03 Jun 2025 23:08		YP/AJ	Ok,M
34	AR1254CCC500	AR1254CCC500	PO111450.D	03 Jun 2025 23:26		YP/AJ	Ok,M
35	I.BLK	I.BLK	PO111451.D	03 Jun 2025 23:44		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072162.D	19 May 2025 09:09		YP\AJ	Ok
2	I.BLK	I.BLK	PP072163.D	19 May 2025 09:26		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP072164.D	19 May 2025 09:42		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP072165.D	19 May 2025 09:59		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP072166.D	19 May 2025 10:15		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP072167.D	19 May 2025 10:32		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP072168.D	19 May 2025 10:48		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP072169.D	19 May 2025 11:05		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP072170.D	19 May 2025 11:21		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP072171.D	19 May 2025 11:38		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP072172.D	19 May 2025 11:54		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP072173.D	19 May 2025 12:10		YP\AJ	Ok
13	AR1232ICC050	AR1232ICC050	PP072174.D	19 May 2025 12:27		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP072175.D	19 May 2025 12:43		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP072176.D	19 May 2025 12:59		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP072177.D	19 May 2025 13:15		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP072178.D	19 May 2025 13:32		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP072179.D	19 May 2025 13:48		YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		

19	AR1248ICC1000	AR1248ICC1000	PP072180.D	19 May 2025 14:04		YPIAJ	Ok
20	AR1248ICC750	AR1248ICC750	PP072181.D	19 May 2025 14:20		YPIAJ	Ok
21	AR1248ICC500	AR1248ICC500	PP072182.D	19 May 2025 14:37		YPIAJ	Ok
22	AR1248ICC250	AR1248ICC250	PP072183.D	19 May 2025 14:53		YPIAJ	Ok
23	AR1248ICC050	AR1248ICC050	PP072184.D	19 May 2025 15:25		YPIAJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP072185.D	19 May 2025 15:42		YPIAJ	Ok
25	AR1254ICC750	AR1254ICC750	PP072186.D	19 May 2025 15:58		YPIAJ	Ok
26	AR1254ICC500	AR1254ICC500	PP072187.D	19 May 2025 16:14		YPIAJ	Ok
27	AR1254ICC250	AR1254ICC250	PP072188.D	19 May 2025 16:31		YPIAJ	Ok
28	AR1254ICC050	AR1254ICC050	PP072189.D	19 May 2025 16:47		YPIAJ	Ok,M
29	AR1262ICC500	AR1262ICC500	PP072190.D	19 May 2025 17:03		YPIAJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP072191.D	19 May 2025 17:20		YPIAJ	Ok
31	AR1268ICC750	AR1268ICC750	PP072192.D	19 May 2025 17:36		YPIAJ	Ok
32	AR1268ICC500	AR1268ICC500	PP072193.D	19 May 2025 17:53		YPIAJ	Ok
33	AR1268ICC250	AR1268ICC250	PP072194.D	19 May 2025 18:09		YPIAJ	Ok
34	AR1268ICC050	AR1268ICC050	PP072195.D	19 May 2025 18:25		YPIAJ	Ok,M
35	PP051925ICV500	ICVPP051925	PP072196.D	19 May 2025 18:42		YPIAJ	Ok
36	AR1232ICV500	ICVPP051925AR1232	PP072197.D	19 May 2025 19:14		YPIAJ	Ok
37	AR1242ICV500	ICVPP051925AR1242	PP072198.D	19 May 2025 19:47		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		

38	AR1248ICV500	ICVPP051925AR1248	PP072199.D	19 May 2025 20:19		YPIAJ	Ok
39	AR1254ICV500	ICVPP051925AR1254	PP072200.D	19 May 2025 20:52		YPIAJ	Ok
40	AR1268ICV500	ICVPP051925AR1268	PP072201.D	19 May 2025 21:25		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM
SubDirectory	PP060325	HP Acquire Method	HP Processing Method PP051925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072552.D	03 Jun 2025 10:06		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072553.D	03 Jun 2025 10:22		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072554.D	03 Jun 2025 10:39		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072555.D	03 Jun 2025 10:55		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072556.D	03 Jun 2025 11:11		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072557.D	03 Jun 2025 11:27		YP\AJ	Ok,M
7	PB168252BL	PB168252BL	PP072558.D	03 Jun 2025 13:28		YP\AJ	Ok,M
8	PB168252BS	PB168252BS	PP072559.D	03 Jun 2025 13:44	Recovery fail	YP\AJ	Not Ok
9	Q2168-01	SAN-A1-A3	PP072560.D	03 Jun 2025 14:00	AR1242 Hit,Need Dilution 50X	YP\AJ	Dilution
10	Q2168-05	SAN-B1-B3	PP072561.D	03 Jun 2025 14:16	AR1242 Hit,Need Dilution 50X	YP\AJ	Dilution
11	Q2168-09	SAN-C1-C2	PP072562.D	03 Jun 2025 14:33	AR1242 Hit,Need Dilution 100X	YP\AJ	Dilution
12	Q2175-01	32525	PP072563.D	03 Jun 2025 14:49	AR1242 Hit,carry over	YP\AJ	Not Ok
13	Q2176-01	TP-46	PP072564.D	03 Jun 2025 15:05	AR1242 Hit,carry over	YP\AJ	Not Ok
14	Q2176-02	TP-56	PP072565.D	03 Jun 2025 15:22	AR1242 Hit,carry over	YP\AJ	Not Ok
15	Q2176-03	TP-25	PP072566.D	03 Jun 2025 15:38	AR1260 Hit; possible carryover	YP\AJ	Not Ok
16	Q2176-04	TP-26	PP072567.D	03 Jun 2025 15:54		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072568.D	03 Jun 2025 16:59		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072569.D	03 Jun 2025 17:32		YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM
SubDirectory	PP060325	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP072570.D	03 Jun 2025 17:48		YPIAJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072571.D	03 Jun 2025 18:05		YPIAJ	Ok,M
21	I.BLK	I.BLK	PP072572.D	03 Jun 2025 18:21		YPIAJ	Ok,M
22	Q2176-05	TP-28	PP072573.D	03 Jun 2025 18:37		YPIAJ	Ok
23	Q2176-05MS	TP-28MS	PP072574.D	03 Jun 2025 18:53		YPIAJ	Ok,M
24	Q2176-05MSD	TP-28MSD	PP072575.D	03 Jun 2025 19:10		YPIAJ	Ok
25	Q2176-06	TP-27	PP072576.D	03 Jun 2025 19:26		YPIAJ	Ok,M
26	Q2176-07	TP-31	PP072577.D	03 Jun 2025 19:42		YPIAJ	Ok
27	Q2176-08	TP-65	PP072578.D	03 Jun 2025 19:59		YPIAJ	Ok
28	Q2177-02	B-187-SB01	PP072579.D	03 Jun 2025 20:15		YPIAJ	Ok,M
29	Q2177-04	B-187-SB02	PP072580.D	03 Jun 2025 20:31		YPIAJ	Ok,M
30	Q2177-06	B-202-SB01	PP072581.D	03 Jun 2025 20:48		YPIAJ	Ok,M
31	Q2178-01	RT2929	PP072582.D	03 Jun 2025 21:04		YPIAJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072583.D	03 Jun 2025 22:25		YPIAJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP072584.D	03 Jun 2025 22:58		YPIAJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP072585.D	03 Jun 2025 23:14		YPIAJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072586.D	03 Jun 2025 23:30		YPIAJ	Ok,M
36	I.BLK	I.BLK	PP072587.D	03 Jun 2025 23:47		YPIAJ	Ok,M
37	Q2185-01	TP02-MHB-WC	PP072588.D	04 Jun 2025 00:03		YPIAJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060325

Review By	yogesh	Review On	6/3/2025 11:21:30 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:08 AM
SubDirectory	PP060325	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q2185-05	TP01-MHA-WC	PP072589.D	04 Jun 2025 00:19		YPIAJ	Ok,M
39	PB168257BL	PB168257BL	PP072590.D	04 Jun 2025 00:35		YPIAJ	Ok,M
40	PB168257BS	PB168257BS	PP072591.D	04 Jun 2025 00:52	AR1016 recovery fail	YPIAJ	Not Ok
41	PB168257BSD	PB168257BSD	PP072592.D	04 Jun 2025 01:08	AR1016 recovery fail	YPIAJ	Not Ok
42	Q2165-03	TRE-25-63-64	PP072593.D	04 Jun 2025 01:24	AR1254 Hit	YPIAJ	Ok,M
43	Q2165-06	TRE-25-65-66	PP072594.D	04 Jun 2025 01:40		YPIAJ	Ok,M
44	Q2169-01	303-PPR-1	PP072595.D	04 Jun 2025 01:57	AR1254 Hit	YPIAJ	Ok,M
45	Q2169-03	303-PPR-2	PP072596.D	04 Jun 2025 02:13	AR1254 Hit	YPIAJ	Ok,M
46	Q2175-04	52525-A-B-COMP	PP072597.D	04 Jun 2025 02:29		YPIAJ	Ok,M
47	AR1660CCC500	AR1660CCC500	PP072598.D	04 Jun 2025 03:51		YPIAJ	Ok,M
48	AR1242CCC500	AR1242CCC500	PP072599.D	04 Jun 2025 04:23		YPIAJ	Ok,M
49	AR1248CCC500	AR1248CCC500	PP072600.D	04 Jun 2025 04:40		YPIAJ	Ok,M
50	AR1254CCC500	AR1254CCC500	PP072601.D	04 Jun 2025 04:56		YPIAJ	Ok,M
51	I.BLK	I.BLK	PP072602.D	04 Jun 2025 05:12		YPIAJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM
SubDirectory	PP060425	HP Acquire Method	HP Processing Method PP051925

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	PP072603.D	04 Jun 2025 08:34		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072604.D	04 Jun 2025 08:50		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072605.D	04 Jun 2025 09:11		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072606.D	04 Jun 2025 09:27		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072607.D	04 Jun 2025 09:43		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072608.D	04 Jun 2025 10:00		YP\AJ	Ok,M
7	PB168257BS	PB168257BS	PP072609.D	04 Jun 2025 10:16		YP\AJ	Ok,M
8	PB168257BSD	PB168257BSD	PP072610.D	04 Jun 2025 10:32		YP\AJ	Ok,M
9	Q2168-01DL	SAN-A1-A3DL	PP072611.D	04 Jun 2025 10:48	AR1242 Hit	YP\AJ	Ok
10	Q2168-05DL	SAN-B1-B3DL	PP072612.D	04 Jun 2025 11:04	AR1242 Hit	YP\AJ	Ok
11	Q2168-09DL	SAN-C1-C2DL	PP072613.D	04 Jun 2025 11:21	AR1242 Hit	YP\AJ	Ok
12	PB168252BS	PB168252BS	PP072614.D	04 Jun 2025 11:37		YP\AJ	Ok,M
13	PB168275BL	PB168275BL	PP072615.D	04 Jun 2025 12:55		YP\AJ	Ok
14	PB168275BS	PB168275BS	PP072616.D	04 Jun 2025 13:12	AR1016 fail for recovery	YP\AJ	Not Ok
15	Q2167-01	52225	PP072617.D	04 Jun 2025 13:28	Surrogate fail, AR1242 Hit	YP\AJ	ReRun
16	Q2171-01	5-28-25-A	PP072618.D	04 Jun 2025 13:45	AR1242 Hit,Need Dilution, DCB high 2nd column	YP\AJ	Dilution
17	AR1660CCC500	AR1660CCC500	PP072619.D	04 Jun 2025 14:51		YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM
SubDirectory	PP060425	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	AR1242CCC500	AR1242CCC500	PP072620.D	04 Jun 2025 15:07		YPIAJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PP072621.D	04 Jun 2025 15:23		YPIAJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072622.D	04 Jun 2025 15:40		YPIAJ	Ok,M
21	I.BLK	I.BLK	PP072623.D	04 Jun 2025 15:56		YPIAJ	Ok
22	PB168288BL	PB168288BL	PP072624.D	04 Jun 2025 16:13		YPIAJ	Ok,M
23	PB168288BS	PB168288BS	PP072625.D	04 Jun 2025 16:29	AR1016 fail for recovery	YPIAJ	Not Ok
24	Q2182-01	OR-03-06022025	PP072626.D	04 Jun 2025 16:45		YPIAJ	Ok,M
25	Q2192-01	SB-1	PP072627.D	04 Jun 2025 17:02	AR1260 + 1242 Hit , need 25X dilution	YPIAJ	Dilution
26	Q2194-01	COMP-12	PP072628.D	04 Jun 2025 17:18		YPIAJ	Ok
27	Q2194-03	COMP-13	PP072629.D	04 Jun 2025 17:34		YPIAJ	Ok
28	Q2195-01	OK-01-060325	PP072630.D	04 Jun 2025 17:51		YPIAJ	Ok,M
29	Q2195-01MS	OK-01-060325MS	PP072631.D	04 Jun 2025 18:07		YPIAJ	Ok,M
30	Q2195-01MSD	OK-01-060325MSD	PP072632.D	04 Jun 2025 18:23		YPIAJ	Ok,M
31	Q2198-01	B-202-SB02	PP072633.D	04 Jun 2025 18:40		YPIAJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072634.D	04 Jun 2025 20:01	AR1016 - 1 low in 1st column , AR1260 - 2,4 low in 1st column	YPIAJ	Ok
33	AR1242CCC500	AR1242CCC500	PP072635.D	04 Jun 2025 20:18	AR1242 - 5 Low in 1st column	YPIAJ	Ok
34	AR1248CCC500	AR1248CCC500	PP072636.D	04 Jun 2025 20:34		YPIAJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072637.D	04 Jun 2025 20:50	AR1254 - 2,4 low in 1st column	YPIAJ	Ok,M
36	I.BLK	I.BLK	PP072638.D	04 Jun 2025 21:07		YPIAJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP060425

Review By	yogesh	Review On	6/4/2025 10:14:35 AM
Supervise By	mohammad	Supervise On	6/6/2025 9:37:42 AM
SubDirectory	PP060425	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	Q2175-09	52725	PP072639.D	04 Jun 2025 21:23	AR1242 hit, DCB low in both column & TCMX low in 1st column	YPIAJ	ReRun
38	Q2171-01DL	5-28-25-ADL	PP072640.D	04 Jun 2025 21:39	AR1242 Hit	YPIAJ	Ok,M
39	AR1660CCC500	AR1660CCC500	PP072641.D	04 Jun 2025 22:45		YPIAJ	Ok,M
40	AR1242CCC500	AR1242CCC500	PP072642.D	04 Jun 2025 23:17		YPIAJ	Ok,M
41	AR1248CCC500	AR1248CCC500	PP072643.D	04 Jun 2025 23:34		YPIAJ	Ok,M
42	AR1254CCC500	AR1254CCC500	PP072644.D	04 Jun 2025 23:50		YPIAJ	Ok,M
43	I.BLK	I.BLK	PP072645.D	05 Jun 2025 00:06		YPIAJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

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
Q2125-07	GSB3	25	1.14	10.44	11.58	10.36	88.3	
Q2167-01	52225	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2168-01	SAN-A1-A3	2	1.15	10.00	11.15	11.1	99.5	
Q2168-03	A3	3	1.19	10.12	11.31	11.27	99.6	
Q2168-05	SAN-B1-B3	4	1.19	10.16	11.35	11.31	99.6	
Q2168-07	B3	5	1.16	10.33	11.49	11.44	99.5	
Q2168-09	SAN-C1-C2	6	1.13	10.24	11.37	11.3	99.3	
Q2168-11	C2	7	1.17	10.38	11.55	11.31	97.7	
Q2171-01	5-28-25-A	8	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-02	5-28-25-B	9	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-03	51925	10	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2175-01	32525	11	1.00	1.00	2.00	2.00	100.0	debris
Q2175-02	52725	12	1.00	1.00	2.00	2.00	100.0	oil sample
Q2176-01	TP-46	13	1.19	10.63	11.82	10.09	83.7	
Q2176-02	TP-56	14	1.15	10.59	11.74	10.28	86.2	
Q2176-03	TP-25	15	1.16	10.29	11.45	9.98	85.7	
Q2176-04	TP-26	16	1.12	10.84	11.96	10.36	85.2	
Q2176-05	TP-28	17	1.18	10.51	11.69	10.69	90.5	
Q2176-06	TP-27	18	1.18	10.12	11.3	9.59	83.1	
Q2176-07	TP-31	19	1.18	10.64	11.82	10.42	86.8	
Q2176-08	TP-65	20	1.19	10.27	11.46	10.16	87.3	
Q2177-01	B-187-SB00	21	1.17	10.43	11.6	10.47	89.2	
Q2177-02	B-187-SB01	22	1.16	10.50	11.66	10.00	84.2	
Q2177-04	B-187-SB02	23	1.17	10.55	11.72	7.8	62.8	
Q2177-06	B-202-SB01	24	1.19	10.41	11.6	10.08	85.4	
Q2178-01	RT2929	26	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2179-01	D3	27	1.15	9.96	11.11	10.47	93.6	
Q2179-02	D4	28	1.19	10.03	11.22	10.38	91.6	

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

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
Q2179-03	D5	29	1.18	10.26	11.44	10.8	93.8	
Q2179-04	D6	30	1.16	10.80	11.96	11.54	96.1	
Q2183-01	BC205321-3-1	31	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-02	BC205321-3-2	32	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-03	BC205321-4-1	33	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-04	BC205321-4-2	34	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-05	BC205321-5-1	35	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-06	BC205321-5-2	36	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-07	BC205321-6-1	37	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-08	BC205321-6-2	38	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-01	245F54-1-1	39	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-02	245F54-1-2	40	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-03	BC226595-1-1	41	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-04	BC226595-1-2	42	1.00	1.00	2.00	2.00	100.0	oilc
Q2185-01	TP02-MHB-WC	43	1.15	10.68	11.83	10.28	85.5	
Q2185-02	TP02-MHB-VOC	44	1.13	10.62	11.75	10.58	89.0	
Q2185-03	TP02-MHB-EPH	45	1.15	10.26	11.41	10.00	86.3	
Q2185-05	TP01-MHB-WC	46	1.18	10.69	11.87	10.57	87.8	
Q2185-06	TP01-MHB-VOC	47	1.19	10.76	11.95	10.84	89.7	
Q2185-07	TP01-MHB-EPH	48	1.19	10.25	11.44	10.28	88.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

8735973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2125-07	GSB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	05/23/2025	Chemtech -SO
Q2167-01	52225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-01	SAN-A1-A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-03	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-05	SAN-B1-B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-07	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-09	SAN-C1-C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-11	C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-01	5-28-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-02	5-28-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-03	51925	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-01	32525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-02	52725	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-01	TP-46	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-02	TP-56	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2176-03	TP-25	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-04	TP-26	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-05	TP-28	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-06	TP-27	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-07	TP-31	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-08	TP-65	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/30/2025	Chemtech -SO

Date/Time 06/02/25 15:13

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/02/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135913

WorkList Name : %1-060225 WorkList ID : 189853 Department : Wet-Chemistry Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-01	B-187-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-02	B-187-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-04	B-187-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-06	B-202-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2178-01	RT2929	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	06/02/2025	Chemtech -SO
Q2179-01	D3	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-02	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-03	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-04	D6	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-01	BC205321-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-02	BC205321-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-03	BC205321-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-04	BC205321-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-05	BC205321-5-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-06	BC205321-5-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-07	BC205321-6-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-08	BC205321-6-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-01	245F54-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-02	245F54-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-03	BC226595-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-04	BC226595-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15
 Raw Sample Received by: SPW
 Raw Sample Relinquished by: SPW
 Date/Time 06/02/25 17:25
 Raw Sample Received by: SPW
 Raw Sample Relinquished by: SPW

WORKLIST(Hardcopy Internal Chain)

135973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2185-01	TP02-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-02	TP02-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-03	TP02-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-05	TP01-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-06	TP01-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-07	TP01-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: SPW/C

Raw Sample Relinquished by: SPW/C

Date/Time 06/02/25 17:15

Raw Sample Received by: SPW/C

Raw Sample Relinquished by: SPW/C

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Extraction Start Date : 06/03/2025

Matrix : Solid

Extraction Start Time : 09:30

Weigh By: EH

Extraction By: RJ

Extraction End Date : 06/03/2025

Balance check: EH

Filter By: RJ

Extraction End Time : 12:45

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Hexane	N/A	E3938
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723, Q2175-01 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
6/13/25	RS (Ext Lab)	Y-Pest/1163
12:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168252BL	ABLK252	PCB	30.01	N/A	ritesh	Evelyn	10			U1-1
PB168252BS	ALCS252	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2168-01	SAN-A1-A3	PCB	30.05	N/A	ritesh	Evelyn	10	B		3
Q2168-05	SAN-B1-B3	PCB	30.03	N/A	ritesh	Evelyn	10	B		4
Q2168-09	SAN-C1-C2	PCB	30.02	N/A	ritesh	Evelyn	10	B		5
Q2175-01	32525	PCB	5.09	N/A	ritesh	Evelyn	10	E	Oily Debris	6
Q2176-01	TP-46	PCB	30.06	N/A	ritesh	Evelyn	10	E		U2-1
Q2176-02	TP-56	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
Q2176-03	TP-25	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2176-04	TP-26	PCB	30.07	N/A	ritesh	Evelyn	10	E		4
Q2176-05	TP-28	PCB	30.06	N/A	ritesh	Evelyn	10	E		5
Q2176-05MS	TP-28MS	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q2176-05MS D	TP-28MSD	PCB	30.05	N/A	ritesh	Evelyn	10	E		U3-1
Q2176-06	TP-27	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
Q2176-07	TP-31	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q2176-08	TP-65	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q2177-02	B-187-SB01	PCB	30.03	N/A	ritesh	Evelyn	10	F		6
Q2177-04	B-187-SB02	PCB	30.08	N/A	ritesh	Evelyn	10	F		U6-1
Q2177-06	B-202-SB01	PCB	30.02	N/A	ritesh	Evelyn	10	F		2
Q2178-01	RT2929	PCB	30.05	N/A	ritesh	Evelyn	10	B	Concrete	3
Q2185-01	TP02-MHB-WC	PCB	30.04	N/A	ritesh	Evelyn	10	B		4
Q2185-05	TP01-MHB-WC	PCB	30.06	N/A	ritesh	Evelyn	10	B		5

* Extracts relinquished on the same date as received.

RS
613

198252V
0-30-0-10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2168 WorkList ID : 189890 Department : Extraction Date : 06-03-2025 09:02:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2168-01	SAN-A1-A3	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2168-05	SAN-B1-B3	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2168-09	SAN-C1-C2	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-01	32525	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2176-01	TP-46	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/28/2025	8082A
Q2176-02	TP-56	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-03	TP-25	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-04	TP-26	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-05	TP-28	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-06	TP-27	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-07	TP-31	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/29/2025	8082A
Q2176-08	TP-65	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/30/2025	8082A
Q2177-02	B-187-SB01	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2177-04	B-187-SB02	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2177-06	B-202-SB01	Solid	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2178-01	RT2929	Solid	PCB	Cool 4 deg C	PSEG03	L41	06/02/2025	8082A
Q2185-01	TP02-MHB-WC	Solid	PCB	Cool 4 deg C	PSEG03	L31	06/02/2025	8082A
Q2185-05	TP01-MHB-WC	Solid	PCB	Cool 4 deg C	PSEG03	L31	06/02/2025	8082A

Date/Time	6/3/25 9:25	Date/Time	6/3/25 10:00
Raw Sample Received by:	RJ (Ext-66)	Raw Sample Received by:	RJ (Ext-66)
Raw Sample Relinquished by:	RJ (Ext-66)	Raw Sample Relinquished by:	RJ (Ext-66)

SOP ID:	M3510C,3580A-Extraction PCB-14		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	06/03/2025
Matrix :	Water	Extraction Start Time :	09:03
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	06/03/2025
Balance ID:	N/A	Filter By:	RS
pH Strip Lot#:	E3880	Extraction End Time :	13:45
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24597
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
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
Hexane	N/A	E3938
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS723, Q2170-01 & Q2175-09 used Limited volume as sample is oily, Q2175-06 received Limited volume & Q2157-01 split volume.

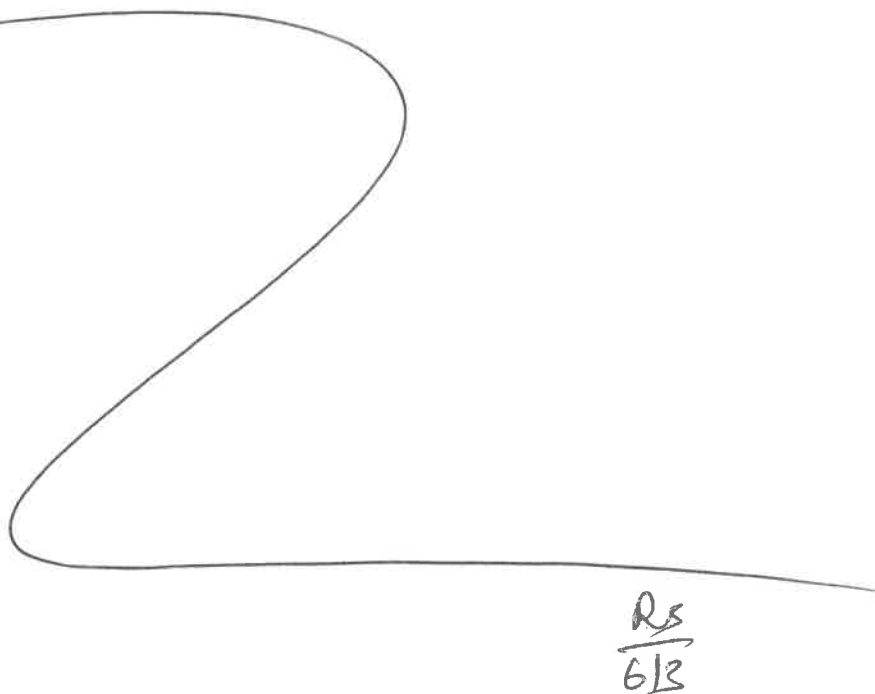
KD Bath ID:	WATER BATH-1,2	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/3/25	RS (Ext Lab)	Y-f-pgHPD
13:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168257BL	ABLK257	PCB	1000	6	ritesh	Evelyn	10			SEP-1
PB168257BS	ALCS257	PCB	1000	6	ritesh	Evelyn	10			2
PB168257BSD	ALCSD257	PCB	1000	6	ritesh	Evelyn	10			3
Q2165-03	TRE-25-63-64	PCB	960	6	ritesh	Evelyn	10	C		4
Q2165-06	TRE-25-65-66	PCB	970	6	ritesh	Evelyn	10	C		5
Q2169-01	303-PPR-1	PCB	990	6	ritesh	Evelyn	10	E		6
Q2169-03	303-PPR-2	PCB	1000	6	ritesh	Evelyn	10	E		7
Q2170-01	51925-AQ	PCB	100	6	ritesh	Evelyn	10	C	Oily	8
Q2175-04	52525-A-B-COMP	PCB	1000	6	ritesh	Evelyn	10	C		9
Q2175-06	EGR-LIQUID	PCB	580	6	ritesh	Evelyn	10	E		10
Q2175-09	52725	PCB	100	6	ritesh	Evelyn	10	A	Oily	11
Q2177-08	EB05312025	PCB	490	6	ritesh	Evelyn	5	F		12



168257
45257
9-10-2

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2165 WorkList ID : 189895 Department : Extraction Date : 06-03-2025 08:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2169-01	303-PPR-1	Water	PCB	Cool 4 deg C	PSEG01	L41	05/30/2025	8082A
Q2169-03	303-PPR-2	Water	PCB	Cool 4 deg C	PSEG01	L41	05/30/2025	8082A
Q2177-08	EB05312025	Water	PCB	Cool 4 deg C	PORT06	L41	05/31/2025	8082A
Q2165-03	TRE-25-63-64	Water	PCB	Cool 4 deg C	PSEG03	L31	05/30/2025	8082A
Q2165-06	TRE-25-65-66	Water	PCB	Cool 4 deg C	PSEG03	L31	05/30/2025	8082A
Q2170-01	51925-AQ	Water	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-04	52525-A-B-COMP	Water	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-06	EGR-LIQUID	Water	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A
Q2175-09	52725	Water	PCB	Cool 4 deg C	PSEG03	L41	05/30/2025	8082A

Date/Time 6/3/25 8:56
Raw Sample Received by: R-J (EXT 04)
Raw Sample Relinquished by: L-C (SW)

Date/Time 6/3/25 9:30
Raw Sample Received by: L-C (SW)
Raw Sample Relinquished by: R-J (EXT 04)

Prep Standard - Chemical Standard Summary

Order ID : Q2177

Test : PCB

Prepbatch ID : PB168252,PB168257,

Sequence ID/Qc Batch ID: po060325,PP060325,PP060425,

Standard ID :

EP2610,EP2613,EP2620,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,PP24461,PP24597,

Chemical ID :

E2865,E3551,E3804,E3877,E3917,E3932,E3933,E3938,E3939,M6157,P 11522,P12699,P12702,P12931,P12936,P12949,P12955,P12957,P13356,P13357,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W 3112,W3177,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025
<u>FROM</u>	1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025
<u>FROM</u> 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml								

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	PP24331	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	PP24332	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	PP24333	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	PP24334	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24332 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
213	AR1221 1000 PPB WORKING SOLUTION	PP24335	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	PP24336	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24335 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	PP24337	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24335 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	PP24338	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24335 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	PP24339	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24337 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	PP24340	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	PP24341	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	PP24342	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24340 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	PP24343	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	PP24344	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24342 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
215	AR1242 1000 PPB WORKING STD	PP24345	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	PP24346	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.75000ml of PP24345 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	PP24347	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24345 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	PP24348	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24345 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	PP24349	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24347 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	PP24350	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	PP24351	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	PP24352	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24350 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	PP24353	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	PP24354	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24352 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
217	AR1254 1000 PPB WORKING STD	PP24355	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	PP24356	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24355 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	PP24357	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	PP24358	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24355 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	PP24359	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24357 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	PP24360	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	PP24361	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24360 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	PP24362	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24360 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	PP24363	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24360 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	PP24364	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24362 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1532	AR1268 1000 PPB Working Solution	PP24365	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	PP24366	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.25000ml of W3177 + 0.75000ml of PP24365 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	PP24367	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24365 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	PP24368	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.75000ml of W3177 + 0.25000ml of PP24365 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	PP24369	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.90000ml of W3177 + 0.10000ml of PP24367 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	PP24370	03/18/2025	09/18/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P12949 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	PP24371	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	PP24372	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24371 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24373	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1886	AR1221 500 PPB ICV	PP24374	03/18/2025	08/12/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of E3877 + 0.50000ml of W3177 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24375	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	PP24376	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24375 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24377	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	PP24378	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24377 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24379	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	PP24380	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24379 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP24381	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	PP24382	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	PP24384	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	PP24385	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24384 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24386	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	PP24387	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.50000ml of W3177 + 0.50000ml of PP24386 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24461	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel
								04/16/2025

FROM 0.50000ml of P12955 + 99.50000ml of E3917 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24597	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 1.00000ml of P13357 + 999.00000ml of E3932 = Final Quantity: 1000.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

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	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	/	05/14/2025 / RUPESH	E3938

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	11/22/2025	05/22/2025 / RUPESH	02/28/2025 / RUPESH	E3939

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	10/11/2025	04/11/2025 / Abdul	12/20/2023 / Yogesh	P12955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Aroclor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	11/20/2025	05/20/2025 / Abdul	04/22/2024 / Abdul	P13357

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

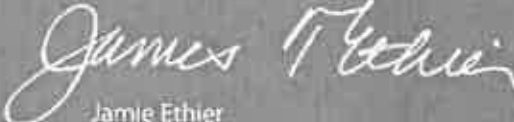
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

 E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 03/31/25

E3917

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**TM



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3933



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3938

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<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

E3939

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



MG157
MS

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 2411262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

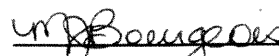
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED WEIGHT REPORT

Part Number: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent(
Aceton

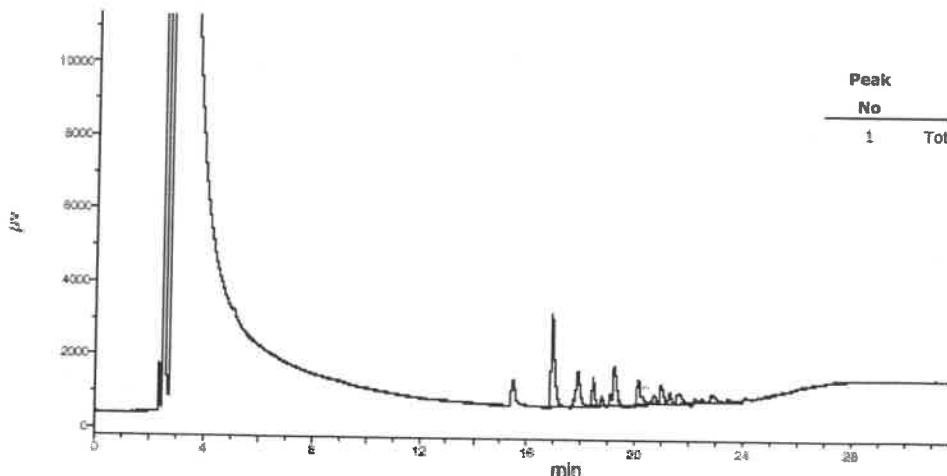
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc ($\mu\text{g/mL}$)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5 μm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5 μL , Range=3





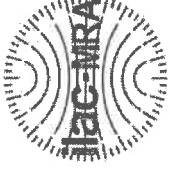
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32009 **Lot No.:** A0203672

Description: Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

p12928

→

p12932

AJ

12/27/23

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

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:

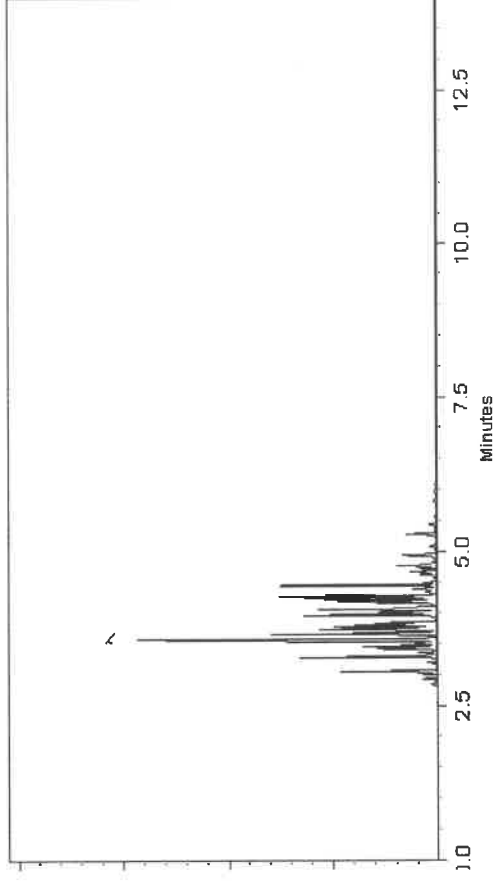
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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 Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023 Balance Serial # B442140311

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397



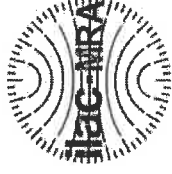
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32010 **Lot No.:** A0202803

Description: Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P1210967
P1210977
AF
12109723

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

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:

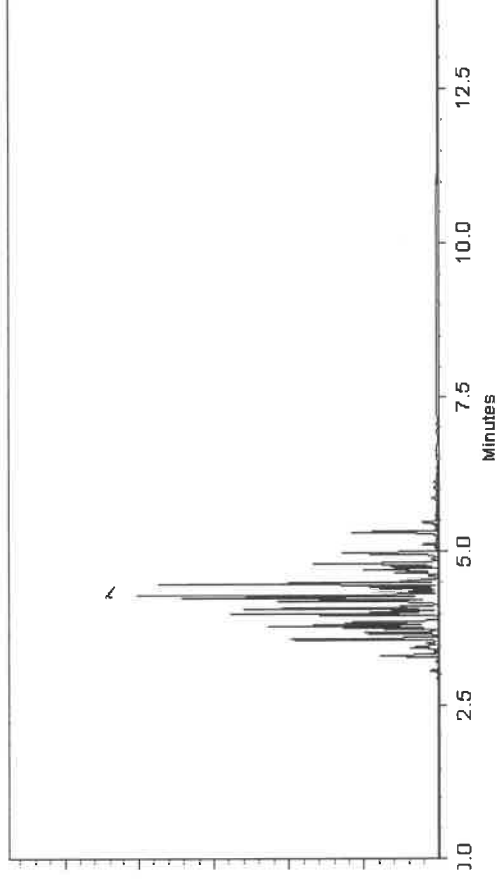
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Solvent(s):
Hexane

Lot#
273615

Lot Number:
022023

Formulated By:
Benson Chan

DATE
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Reviewed By:
Pedro L. Rentas

DATE
022023

Expiration Date:
Ambient (20 °C)

Expanded
Uncertainty

(+/-) (µg/mL)

Recommended Storage:
Nominal Concentration (µg/mL):
200.0

Actual
Conc (µg/mL)

OSHA PEL (TWA)
LD50

NIST Test ID#:
6UTB

Weight(s) shown below were combined and diluted to (mL):
200.0

Actual
Conc (µg/mL)

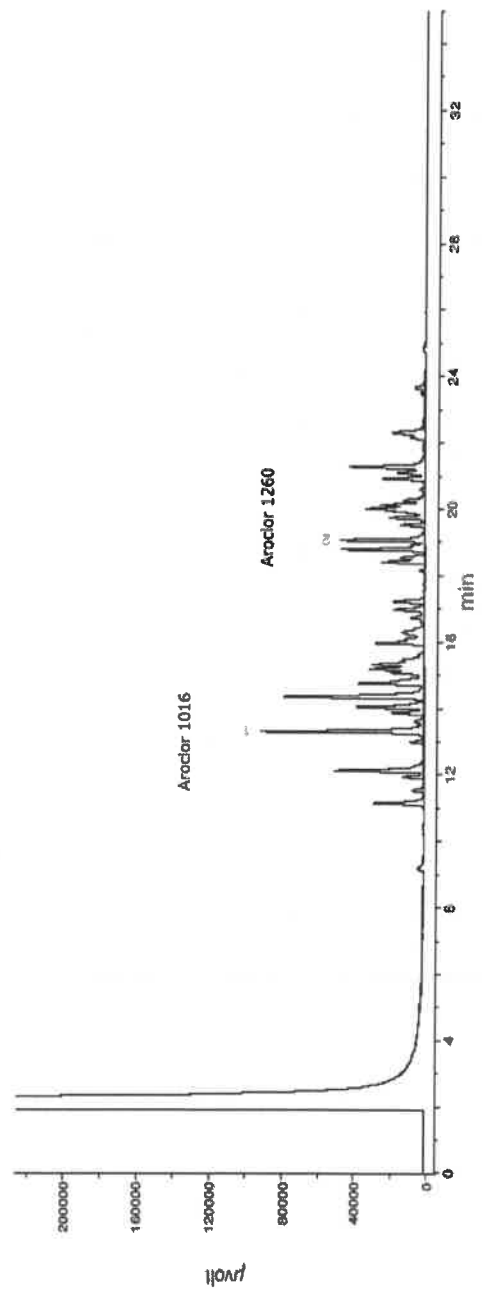
OSHA PEL (TWA)
LD50

PR2946 718
↓
12/20/23
P12955

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	(Solvent Safety Info. On Attached pg.)
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3 orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Nominal Conc (µg/mL):
200.0

Weight(s) shown below were combined and diluted to (mL):

Part Number:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Solvent(s):
Hexane

Lot#
273615

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

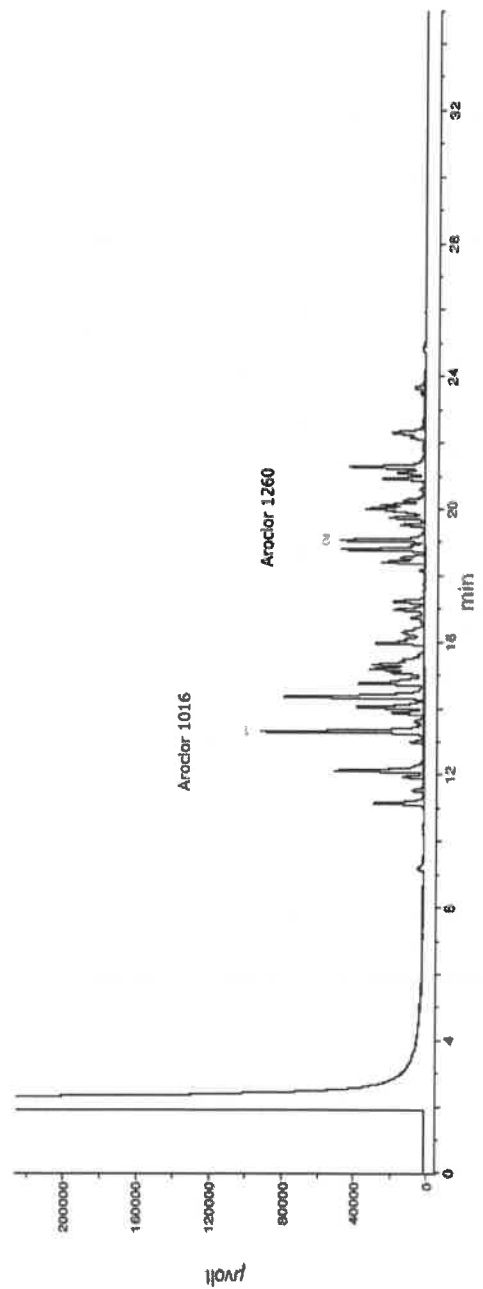
Nominal Conc (µg/mL):
200.0

Weight(s) shown below were combined and diluted to (mL):

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5	0.5mg/m3	orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: 99139
Lot Number: 121823
Description: Aroclor 1254

Solvent(s): Iso-octane

Lot#: 82227

Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 20.0
Note: Aroclor 1254 is a mix of isomers.

Balance Uncertainty

Flask Uncertainty

5E-05

0.003

20.0

0.017

100.1

1003.3

1.8

11097-69-1

0.5mg/m3 (skin)

orl-rat 1295mg/kg

OSHA PEL (TWA)

LD50

121823

DATE

121823

DATE

Formulated By: Anthony Mahoney

Reviewed By: Pedro L. Rentas

121823

DATE

121823

DATE

Formulated By: Anthony Mahoney

Reviewed By: Pedro L. Rentas

121823

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121823

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Formulated By: Anthony Mahoney

Reviewed By: Pedro L. Rentas

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Formulated By: Anthony Mahoney

Reviewed By: Pedro L. Rentas

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Reviewed By: Pedro L. Rentas

121823

DATE

121823

DATE

Formulated By: Anthony Mahoney

Reviewed By: Pedro L. Rentas

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Reviewed By: Pedro L. Rentas

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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BAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

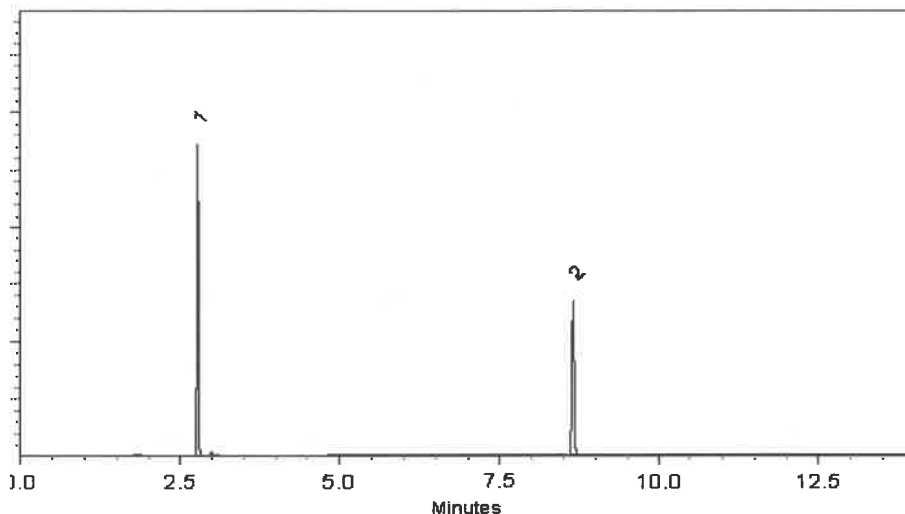
ECD

Split Vent:

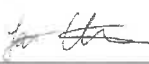
10 ml/min.

Inj. Vol

1µl

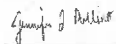


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

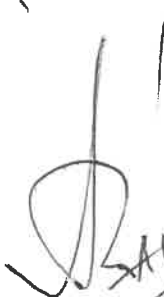
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

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P13357
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

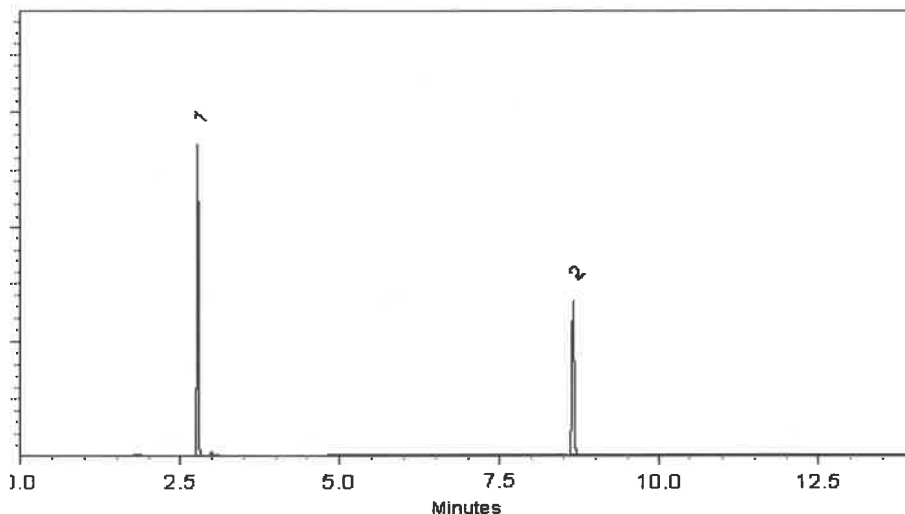
ECD

Split Vent:

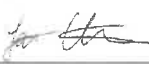
10 ml/min.

Inj. Vol

1µl

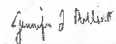


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

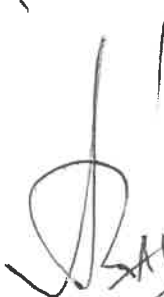
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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P 13357
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SAUF
04/25/2025



ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Aroclor 1221 Standard
Product Number: PP-292-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006783205
Lot Issue Date: 20-Feb-2024
Expiration Date: 31-Mar-2032

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3 ±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

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P13343

Page: 1 of 2

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

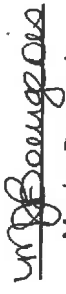
250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0207475

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1268	11100-14-4	10947000	---%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13380
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P 13381
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SAZU
05/6/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

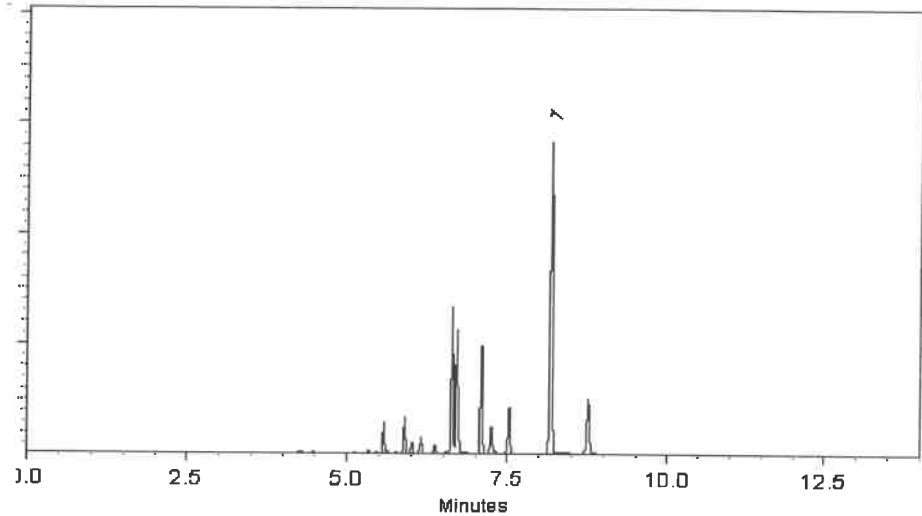
ECD

Split Vent:

Split ratio 500:1

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 06-Feb-2024

Balance Serial # B442140311

Dillon Murphy
Dillon Murphy - Operations Technician I

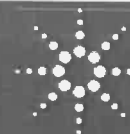
Date Passed: 09-Feb-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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[Signature]
05/6/2024

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1242	100.4	± 0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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P13590AJ
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ISO 17034



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1248 Standard

Lot Number: 0006726317

Product Number: PP-342-1

Lot Issue Date: 27-Jan-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 28-Feb-2031

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3 ±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

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P13592

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10/14/2024

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:



Monica Bourgeois
QMS Representative



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

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10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

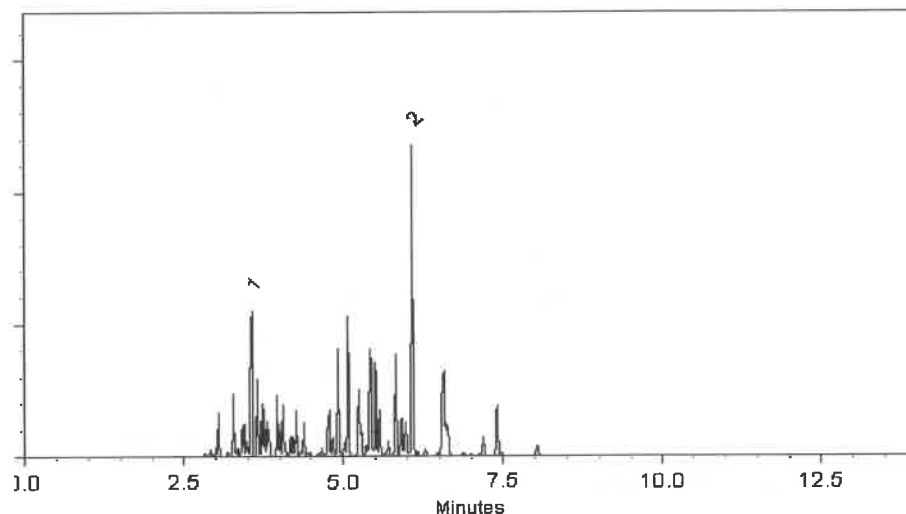
ECD

Split Vent:

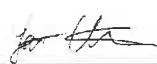
10 ml/min.

Inj. Vol

0.2µl

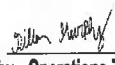


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B442140311


Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0215270

Description : Aroclor® 1221 Standard
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13902 } Y.P.
P13703 } 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

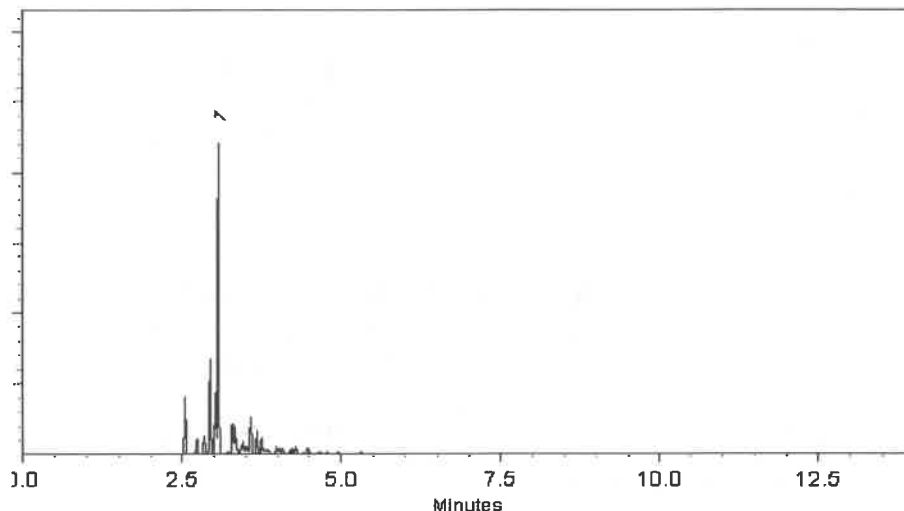
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 32011 **Lot No.:** A0217391
Description : Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2031 **Storage:** 25°C nominal
Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13830
↓
P13832
AJ
12/09/24

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

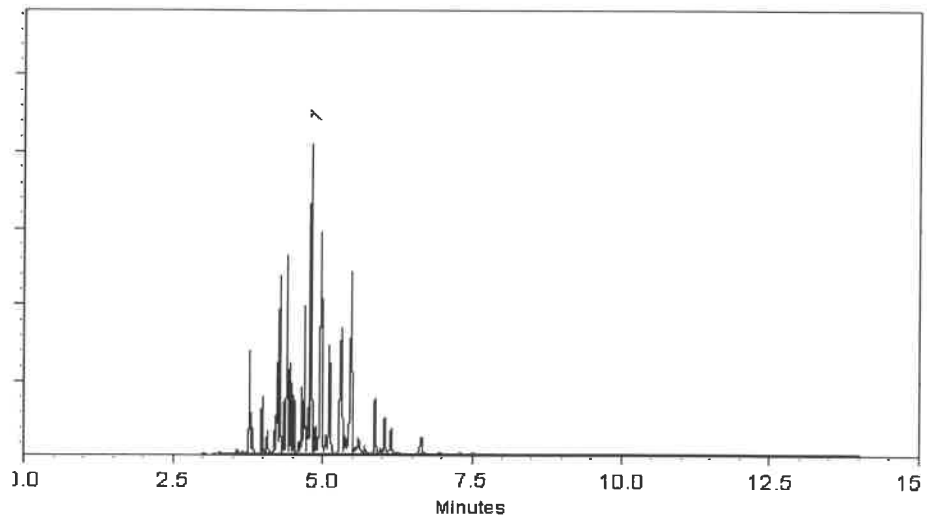
ECD

Split Vent:

300 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024

Balance Serial # C322230531

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008

Lot No.: A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : March 31, 2031

Storage: 25°C nominal

Handling:

This product contains PCBs.

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	---%	1,007.0 µg/mL	+/- 55.8810

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

P13878



AJ
01/28/25

P13880

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

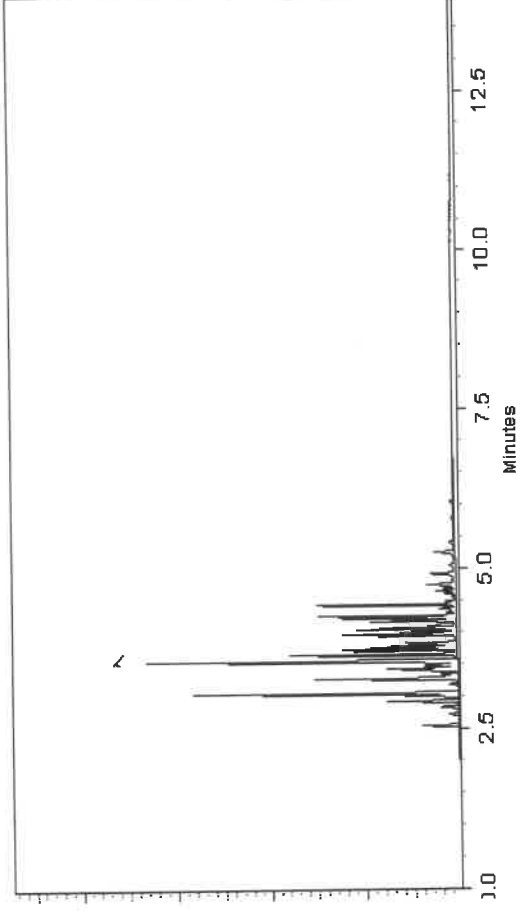
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye

Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024

Balance Serial #

C322230531

Brittany Federhik

Brittany Federhiko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



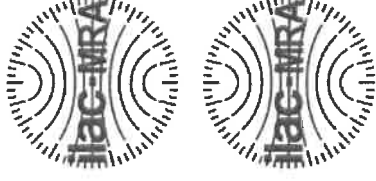
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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32409 **Lot No.:** 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

Solvent: Hexane

CAS # 110-54-3
Purity 99%

P13882

↓

AJ
01/28/25

P13883

* Expanded Uncertainty displayed in same units as Grav. Conc.

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:

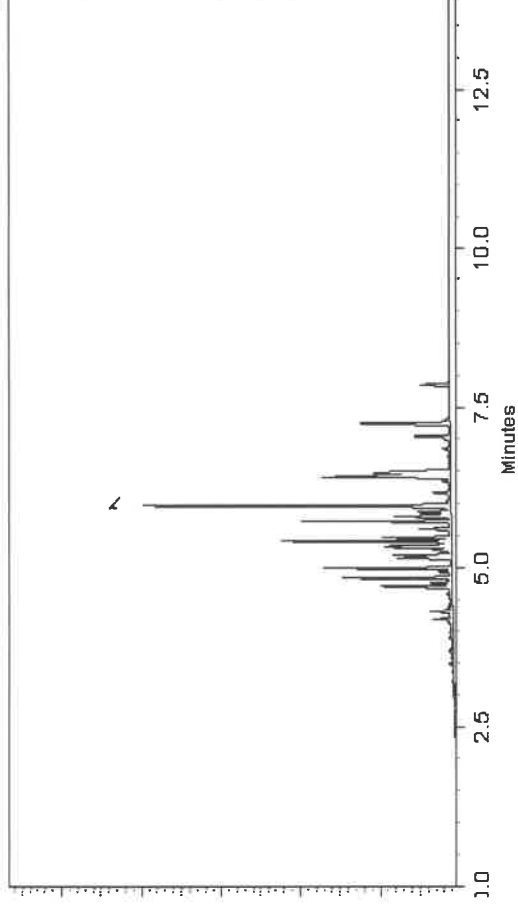
ECD

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 Suckal - Mix Technician

Date Mixed: 09-Jan-2025 Balance Serial # C322230531


Britiany 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



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)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: Gonne & Fleming
ADDRESS: 1010 Adams Avenue
CITY: Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Kruparsky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Sanborn
PROJECT NO.: 95000878 LOCATION: Keeney NJ
PROJECT MANAGER: Joe Kruparsky
e-mail: QACQ@BEMSYS.COM
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samaria Beasley PHONE: 908-728-3148

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 10 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
☐ EDD FORMAT Bcm EDO

1. TCL-VOC+10
2. PCBS
3. Cr(VI)
4. TCL-SVOCs-BNA
5. TAU metals
6. EPH
7. Full TCP
8. RCPA Parameters
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	B-187-SB00	S		X	5/31/25	900	5	X										
2.	B-187-SB01			X		930	8	X	X	X	X	X	X	X	X			
3.	B-187-SB02			X		1000	8	X	X	X	X	X	X	X	X			
4.	B-202-SB01			X		1015	8	X	X	X	X	X	X	X	X			
5.	EB05312025	DIW				1415	8	X	X	X	X	X	X	X				
6.	TB05312025	DIW				NA		X										
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>5/31/25</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>6-2-25</u> <u>0700</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>4.7°C</u>
RELINQUISHED BY SAMPLER: 2. <u></u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u></u>	Comments: <u></u>
RELINQUISHED BY SAMPLER: 3. <u></u>	DATE/TIME: <u></u>	RECEIVED BY: 3. <u></u>	Page <u></u> of <u></u> CLIENT: ☐ Hand Delivered ☐ Other <u></u> Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177	PORT06	Order Date : 6/2/2025 11:19:00 AM	Project Mgr : Yazmeen
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 6/2/2025 7:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2177-01	B-187-SB00	Solid	05/31/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-02	B-187-SB01	Solid	05/31/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-04	B-187-SB02	Solid	05/31/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-06	B-202-SB01	Solid	05/31/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-08	EB05312025	Water	05/31/2025	14:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2177-09	TB05312025	Water	05/31/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177	PORT06	Order Date : 6/2/2025 11:19:00 AM	Project Mgr : Yazmeen
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
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Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By :

Date / Time :



6/2/25 1150

Received By :

Date / Time :


6/2/25 1152

Storage Area : VOA Refridgerator Room