

Cover Page

Order ID : Q2651

Project ID : Leon Avenue

Client : Earth Engineering Inc.

Lab Sample Number

Q2651-01
Q2651-02
Q2651-03
Q2651-04
Q2651-05

Client Sample Number

MH 2-1
MH 6-5
MH 7-6
MH 8-7
MH 9-8

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

Signature : _____

Date: 7/25/2025

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 #: Q2651

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: KETAN PATEL

Date: 07/25/2025

LAB CHRONICLE

OrderID:	Q2651	OrderDate:	7/18/2025 2:29:11 PM
Client:	Earth Engineering Inc.	Project:	Leon Avenue
Contact:	Frank Dougherty, LSRP	Location:	O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-02	MH 6-5	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/22/25	
Q2651-03	MH 7-6	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-04	MH 8-7	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-05	MH 9-8	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/22/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2651

Order ID: Q2651

Client: Earth Engineering Inc.

Project ID: Leon Avenue

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.: Q2651

Client: Earth Engineering Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO112087.D	PIBLK-PO112087.D	Tetrachloro-m-xyl	1	20	19.4	97		60	140
		Decachlorobiphen	1	20	18.8	94		60	140
		Tetrachloro-m-xyl	2	20	20.0	100		60	140
		Decachlorobiphen	2	20	19.3	97		60	140
I.BLK-PO112370.D	PIBLK-PO112370.D	Tetrachloro-m-xyl	1	20	20.1	100		60	140
		Decachlorobiphen	1	20	17.7	89		60	140
		Tetrachloro-m-xyl	2	20	18.3	91		60	140
		Decachlorobiphen	2	20	17.4	87		60	140
PB168946BL	PB168946BL	Tetrachloro-m-xyl	1	20	20.9	104		32	144
		Decachlorobiphen	1	20	19.6	98		32	175
		Tetrachloro-m-xyl	2	20	18.2	91		32	144
		Decachlorobiphen	2	20	18.9	95		32	175
PB168946BS	PB168946BS	Tetrachloro-m-xyl	1	20	20.1	101		32	144
		Decachlorobiphen	1	20	20.3	102		32	175
		Tetrachloro-m-xyl	2	20	18.1	90		32	144
		Decachlorobiphen	2	20	19.5	98		32	175
Q2649-01MS	WC-1MS	Tetrachloro-m-xyl	1	20	24.5	122		32	144
		Decachlorobiphen	1	20	17.6	88		32	175
		Tetrachloro-m-xyl	2	20	22.2	111		32	144
		Decachlorobiphen	2	20	17.2	86		32	175
Q2649-01MSD	WC-1MSD	Tetrachloro-m-xyl	1	20	19.6	98		32	144
		Decachlorobiphen	1	20	17.8	89		32	175
		Tetrachloro-m-xyl	2	20	17.5	88		32	144
		Decachlorobiphen	2	20	17.4	87		32	175
I.BLK-PO112385.D	PIBLK-PO112385.D	Tetrachloro-m-xyl	1	20	19.8	99		60	140
		Decachlorobiphen	1	20	17.6	88		60	140
		Tetrachloro-m-xyl	2	20	18.1	90		60	140
		Decachlorobiphen	2	20	17.4	87		60	140
I.BLK-PQ070550.D	PIBLK-PQ070550.D	Tetrachloro-m-xyl	1	20	14.9	75		60	140
		Decachlorobiphen	1	20	17.0	85		60	140
		Tetrachloro-m-xyl	2	20	15.6	78		60	140
		Decachlorobiphen	2	20	17.5	88		60	140
I.BLK-PQ070600.D	PIBLK-PQ070600.D	Tetrachloro-m-xyl	1	20	20.5	102		60	140
		Decachlorobiphen	1	20	24.6	123		60	140
		Tetrachloro-m-xyl	2	20	19.8	99		60	140
		Decachlorobiphen	2	20	22.5	113		60	140
Q2651-01	MH 2-1	Tetrachloro-m-xyl	1	20	22.2	111		32	144
		Decachlorobiphen	1	20	21.6	108		32	175
		Tetrachloro-m-xyl	2	20	21.7	108		32	144
		Decachlorobiphen	2	20	17.7	88		32	175
Q2651-02	MH 6-5	Tetrachloro-m-xyl	1	20	19.7	98		32	144

Surrogate Summary

SDG No.: Q2651

Client: Earth Engineering Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q2651-02	MH 6-5	Decachlorobiphen	1	20	15.8	79		32	175
		Tetrachloro-m-xyl	2	20	19.1	95		32	144
Q2651-03	MH 7-6	Decachlorobiphen	2	20	12.0	60		32	175
		Tetrachloro-m-xyl	1	20	22.7	113		32	144
		Decachlorobiphen	1	20	19.7	98		32	175
		Tetrachloro-m-xyl	2	20	21.7	109		32	144
		Decachlorobiphen	2	20	15.4	77		32	175
Q2651-04	MH 8-7	Tetrachloro-m-xyl	1	20	20.7	103		32	144
		Decachlorobiphen	1	20	17.9	90		32	175
		Tetrachloro-m-xyl	2	20	19.8	99		32	144
		Decachlorobiphen	2	20	14.2	71		32	175
Q2651-05	MH 9-8	Tetrachloro-m-xyl	1	20	21.3	106		32	144
		Decachlorobiphen	1	20	16.8	84		32	175
		Tetrachloro-m-xyl	2	20	20.1	100		32	144
		Decachlorobiphen	2	20	12.2	61		32	175
I.BLK-PQ070615.D	PIBLK-PQ070615.D	Tetrachloro-m-xyl	1	20	20.0	100		60	140
		Decachlorobiphen	1	20	20.6	103		60	140
		Tetrachloro-m-xyl	2	20	18.5	93		60	140
		Decachlorobiphen	2	20	17.8	89		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2651</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PO112379.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2649-01MS	Client Sample ID:		WC-1MS							
(Column 1)											
AR1016	186.4	0	197	ug/kg	106				55	146	
AR1260	186.4	0	168	ug/kg	90				54	119	
Lab Sample ID:	Q2649-01MS	Client Sample ID:		WC-1MS							
(Column 2)											
AR1016	186.4	0	184	ug/kg	99				55	146	
AR1260	186.4	0	164	ug/kg	88				54	119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2651</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PO112380.D</u>

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2649-01MSD (Column 1)		Client Sample ID:	WC-1MSD								
	AR1016	186.3	0	161	ug/kg	86		21	*	55	146	15
	AR1260	186.3	0	155	ug/kg	83		8		54	119	15
Lab Sample ID:	Q2649-01MSD (Column 2)		Client Sample ID:	WC-1MSD								
	AR1016	186.3	0	152	ug/kg	82		19	*	55	146	15
	AR1260	186.3	0	149	ug/kg	80		10		54	119	15



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651

Analytical Method: 8082A

Client: Earth Engineering Inc.

Datafile : PO112376.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168946BS (Column 1)	AR1016	166.5	163	ug/kg	98				71	120	
	AR1260	166.5	153	ug/kg	92				65	130	
PB168946BS (Column 2)	AR1016	166.5	147	ug/kg	88				71	120	
	AR1260	166.5	145	ug/kg	87				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168946BL

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: PB168946BL

Lab File ID: PO112375.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/22/2025

Date Analyzed (1): 07/22/2025

Date Analyzed (2): 07/22/2025

Time Analyzed (1): 13:35

Time Analyzed (2): 13:35

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

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
PB168946BS	PB168946BS	PO112376.D	07/22/2025	07/22/2025
WC-1MS	Q2649-01MS	PO112379.D	07/22/2025	07/22/2025
WC-1MSD	Q2649-01MSD	PO112380.D	07/22/2025	07/22/2025
MH 2-1	Q2651-01	PQ070603.D	07/23/2025	07/23/2025
MH 6-5	Q2651-02	PQ070604.D	07/23/2025	07/23/2025
MH 7-6	Q2651-03	PQ070605.D	07/23/2025	07/23/2025
MH 8-7	Q2651-04	PQ070606.D	07/23/2025	07/23/2025
MH 9-8	Q2651-05	PQ070607.D	07/23/2025	07/23/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.5
Sample Wt/Vol:	30.08	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
PQ070603.D	1	07/22/25 09:40	07/23/25 19:27	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	17.9	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	17.9	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.9	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	17.9	ug/kg
12672-29-6	Aroclor-1248	6.20	U	6.20	17.9	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	17.9	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	17.9	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	17.9	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	17.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.2		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		32 - 175	108%	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_Q\Data\PQ072325\
 Data File : PQ070603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 19:27
 Operator : YP\AJ
 Sample : Q2651-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 MH 2-1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 07:05:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	194.7E6	216.4E6	22.165	21.682
2) SA Decachlor...	8.501	7.539	106.0E6	154.3E6	21.619	17.657

Target Compounds

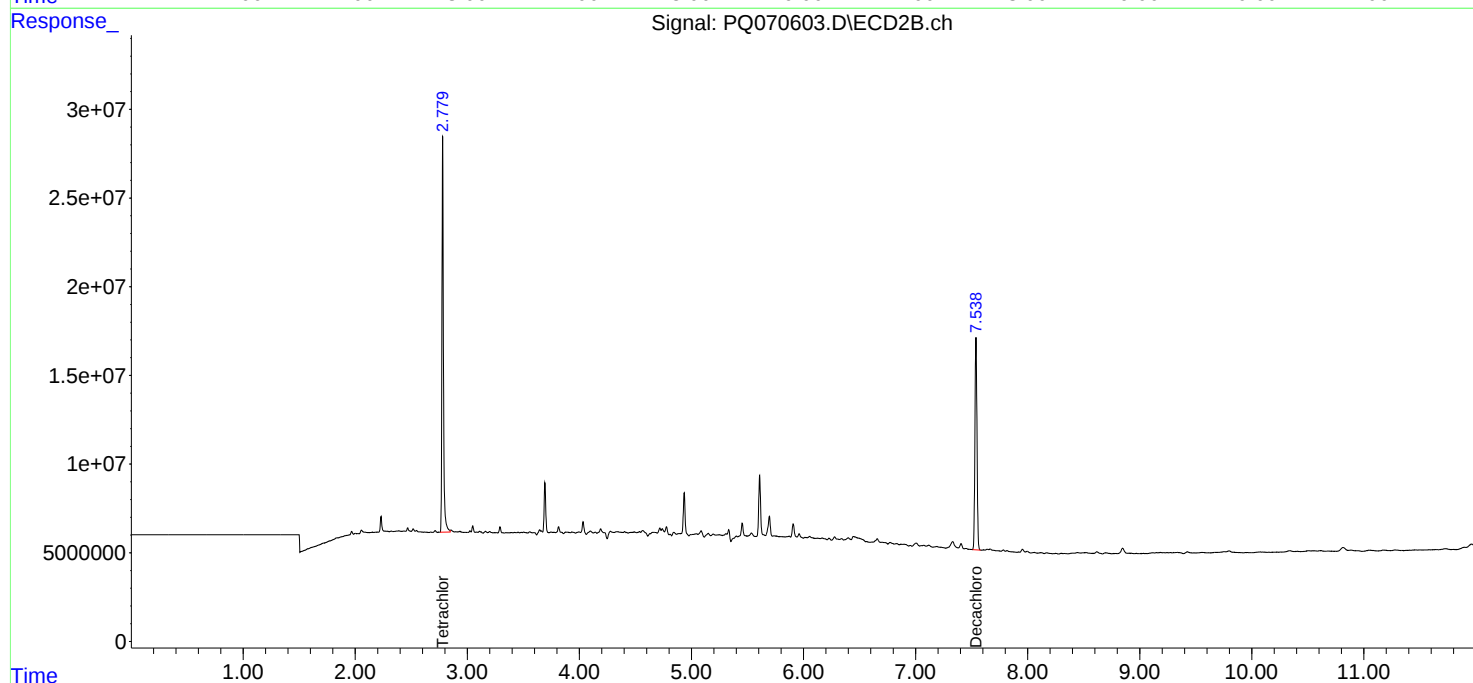
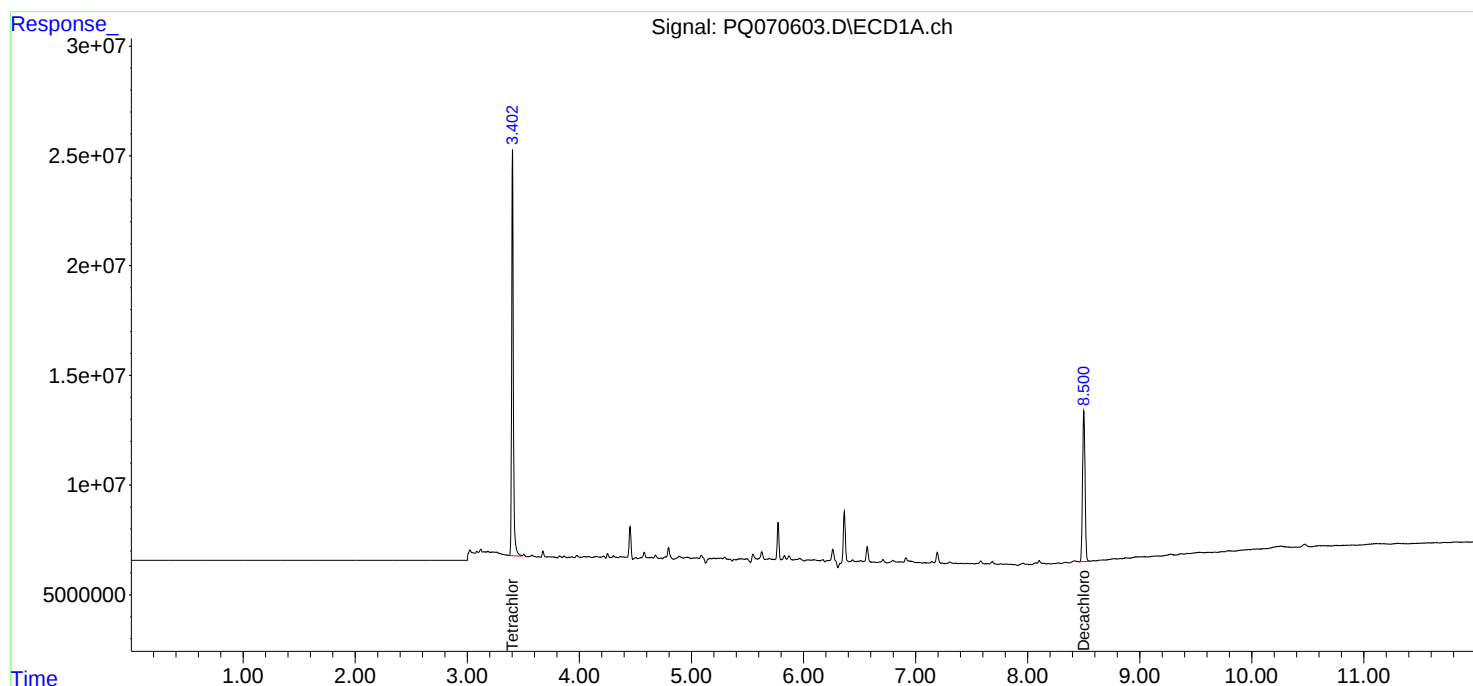
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

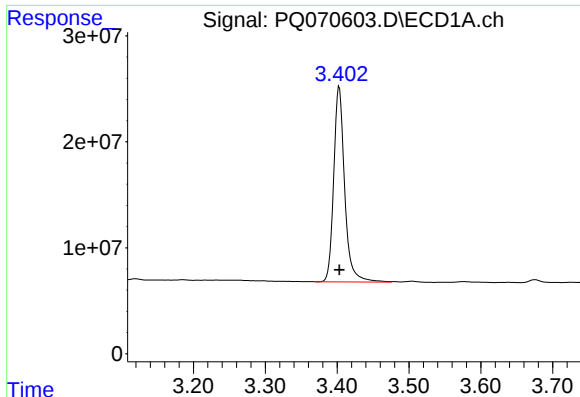
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:27
Operator : YP\AJ
Sample : Q2651-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
MH 2-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:05:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

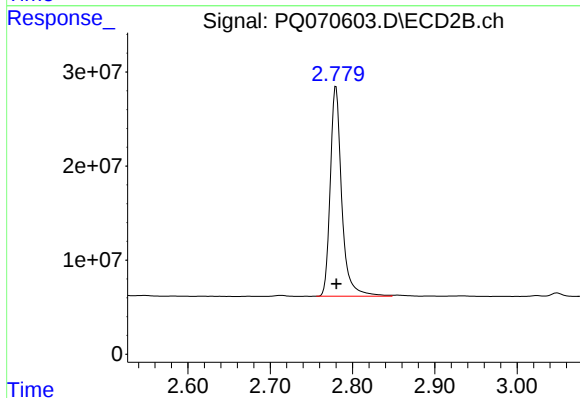




#1 Tetrachloro-m-xylene

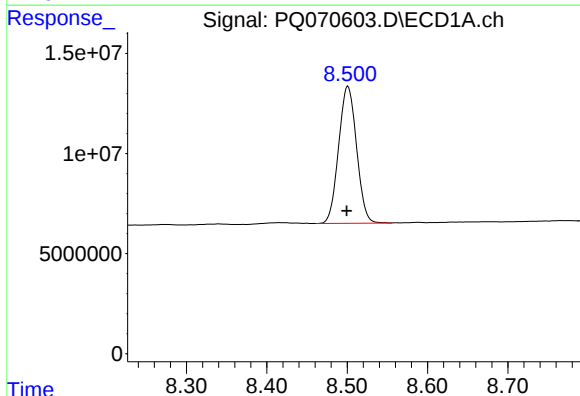
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 194703784
Conc: 22.16 ng/ml

Instrument :
ECD_Q
ClientSampleId :
MH 2-1



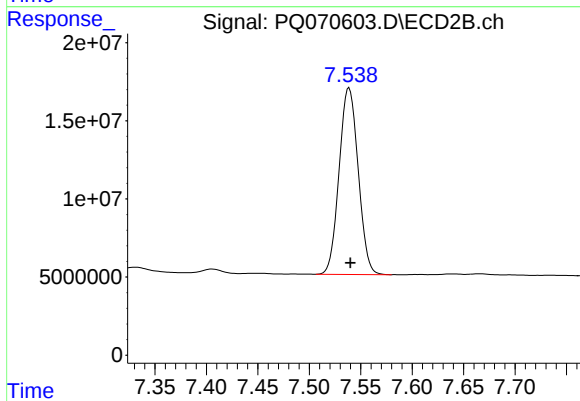
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 216361345
Conc: 21.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.002 min
Response: 106010203
Conc: 21.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.539 min
Delta R.T.: -0.001 min
Response: 154260818
Conc: 17.66 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.8
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
PQ070604.D	1	07/22/25 09:40	07/23/25 19:41	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.1	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.1	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.1	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.1	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.1	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.1	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.1	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.1	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		32 - 175	79%	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_Q\Data\PQ072325\
 Data File : PQ070604.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 19:41
 Operator : YP\AJ
 Sample : Q2651-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 MH 6-5

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 07:06:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	172.7E6	190.3E6	19.656	19.067
2) SA Decachlor...	8.501	7.539	77645133	104.6E6	15.834	11.972

Target Compounds

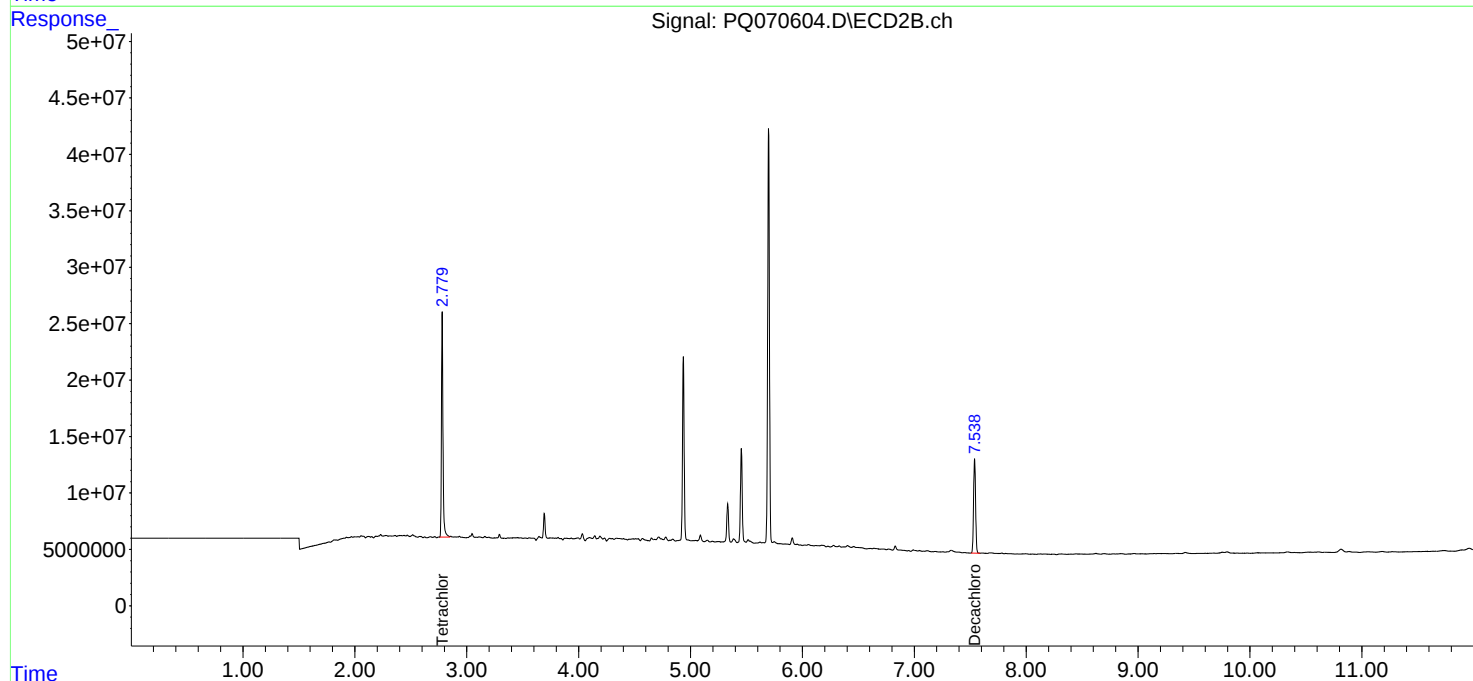
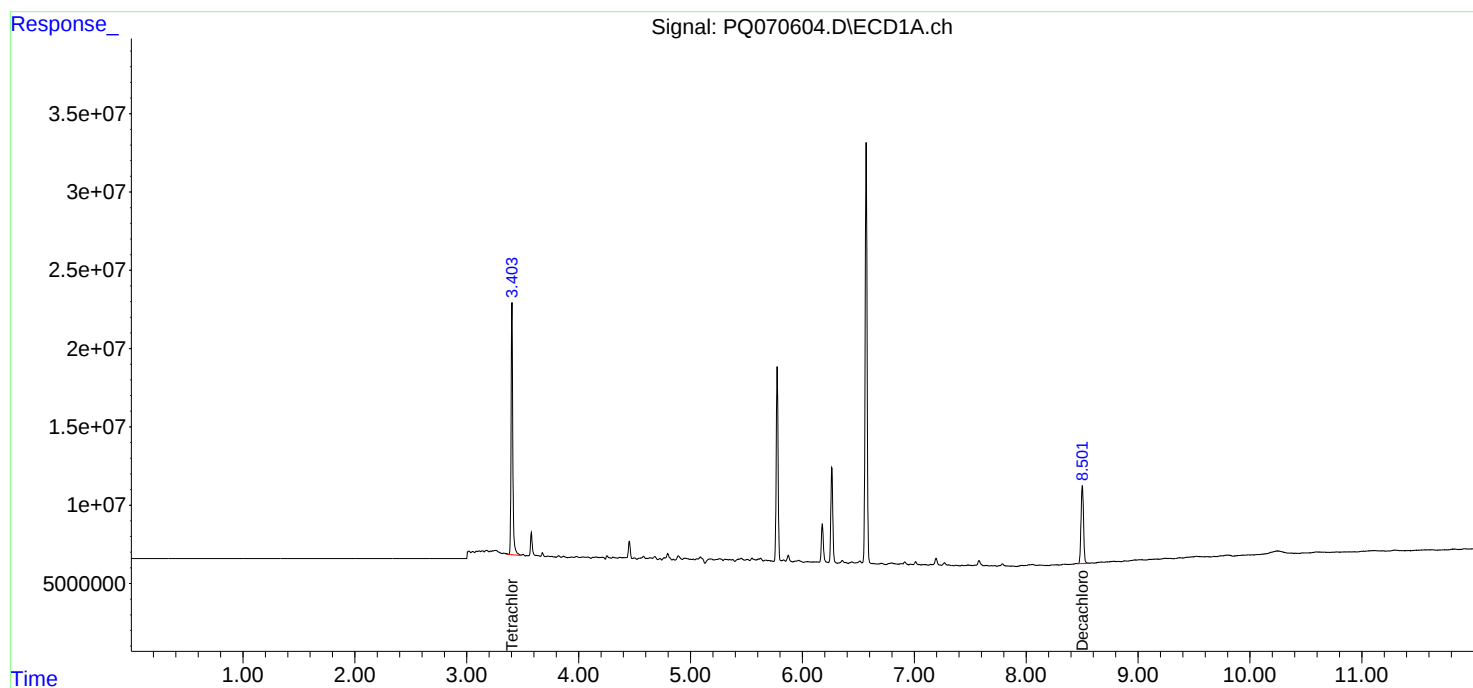
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

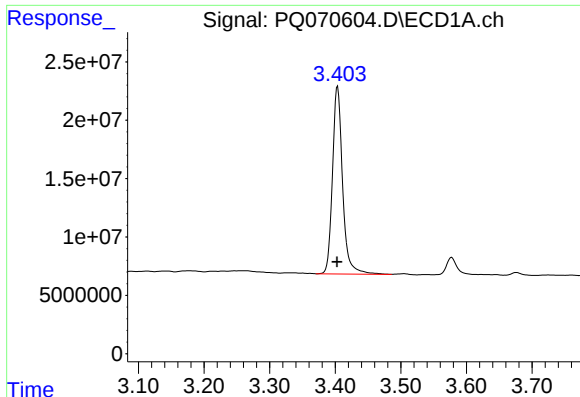
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:41
Operator : YP\AJ
Sample : Q2651-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
MH 6-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:06:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

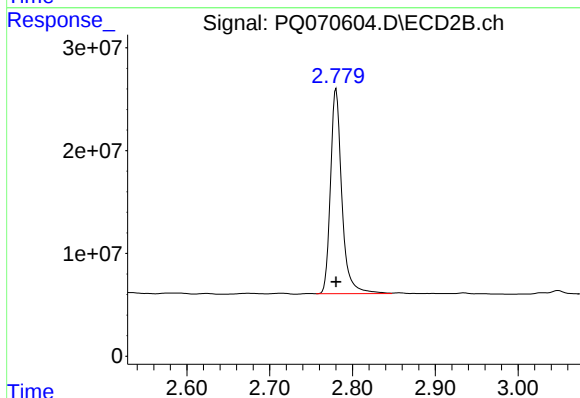




#1 Tetrachloro-m-xylene

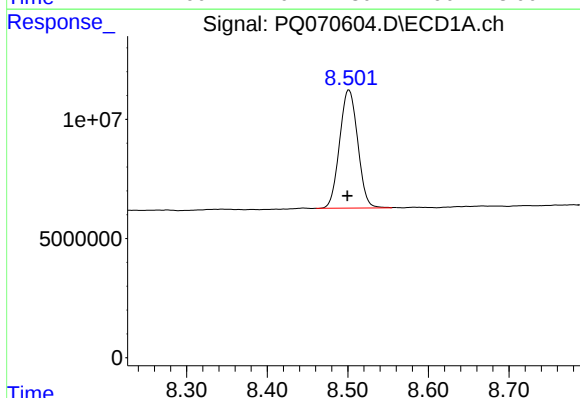
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 172669394
Conc: 19.66 ng/ml

Instrument :
ECD_Q
ClientSampleId :
MH 6-5



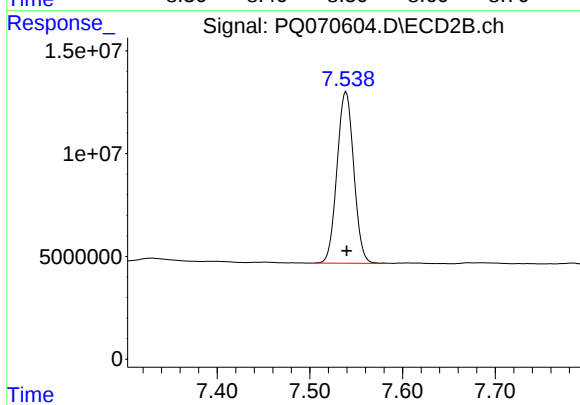
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 190265319
Conc: 19.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.002 min
Response: 77645133
Conc: 15.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 104589698
Conc: 11.97 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	93.9	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ070605.D	1	07/22/25 09:40	07/23/25 19:56	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.1	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.1	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.1	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.1	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.1	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.1	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.1	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.1	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		32 - 144	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		32 - 175	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_Q\Data\PQ072325\
Data File : PQ070605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:56
Operator : YP\AJ
Sample : Q2651-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
MH 7-6

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:06:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	199.3E6	216.9E6	22.690	21.740
2) SA Decachlor...	8.501	7.539	96399199	134.4E6	19.659	15.382

Target Compounds

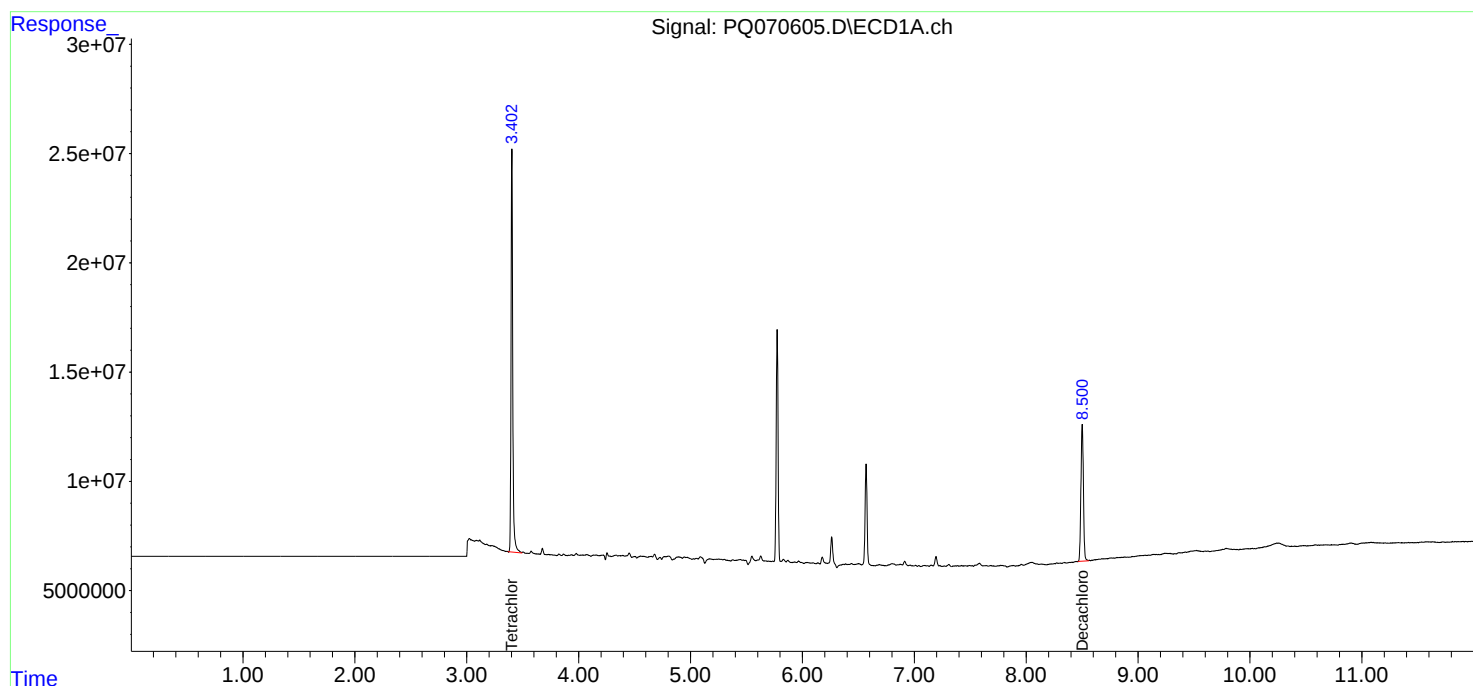
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

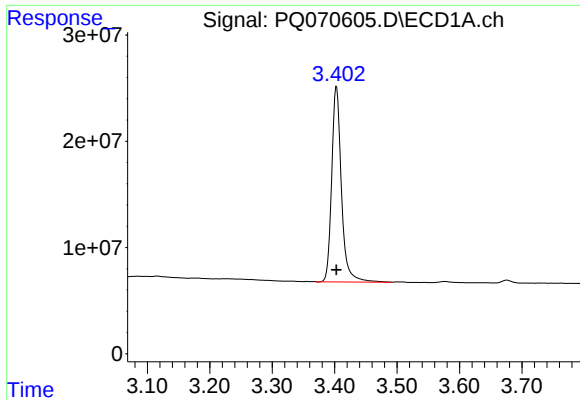
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:56
Operator : YP\AJ
Sample : Q2651-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
MH 7-6

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:06:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

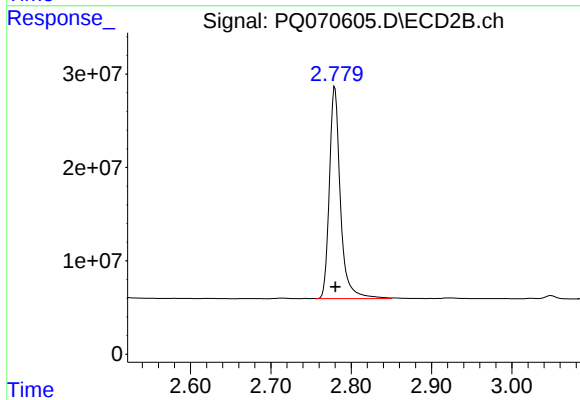




#1 Tetrachloro-m-xylene

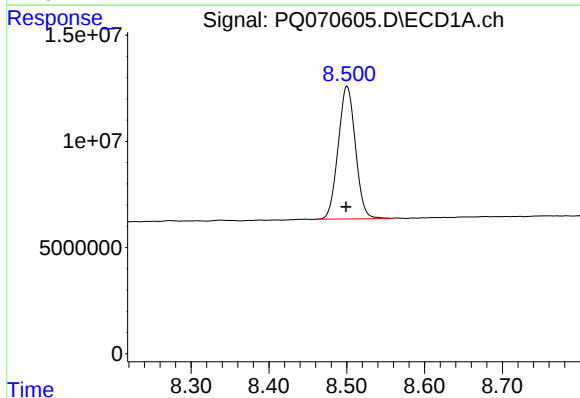
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 199317077
Conc: 22.69 ng/ml

Instrument :
ECD_Q
ClientSampleId :
MH 7-6



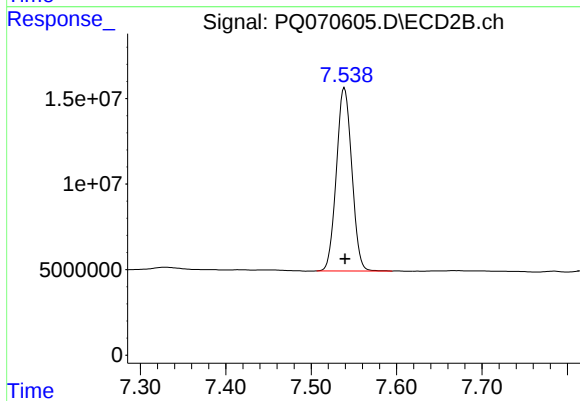
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 216940543
Conc: 21.74 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.001 min
Response: 96399199
Conc: 19.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 134378884
Conc: 15.38 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.6
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
PQ070606.D	1	07/22/25 09:40	07/23/25 20:11	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		32 - 175	90%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:11
Operator : YP\AJ
Sample : Q2651-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
MH 8-7

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:06:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	181.6E6	197.2E6	20.670	19.766
2) SA Decachlor...	8.502	7.539	87754236	124.4E6	17.896	14.234

Target Compounds

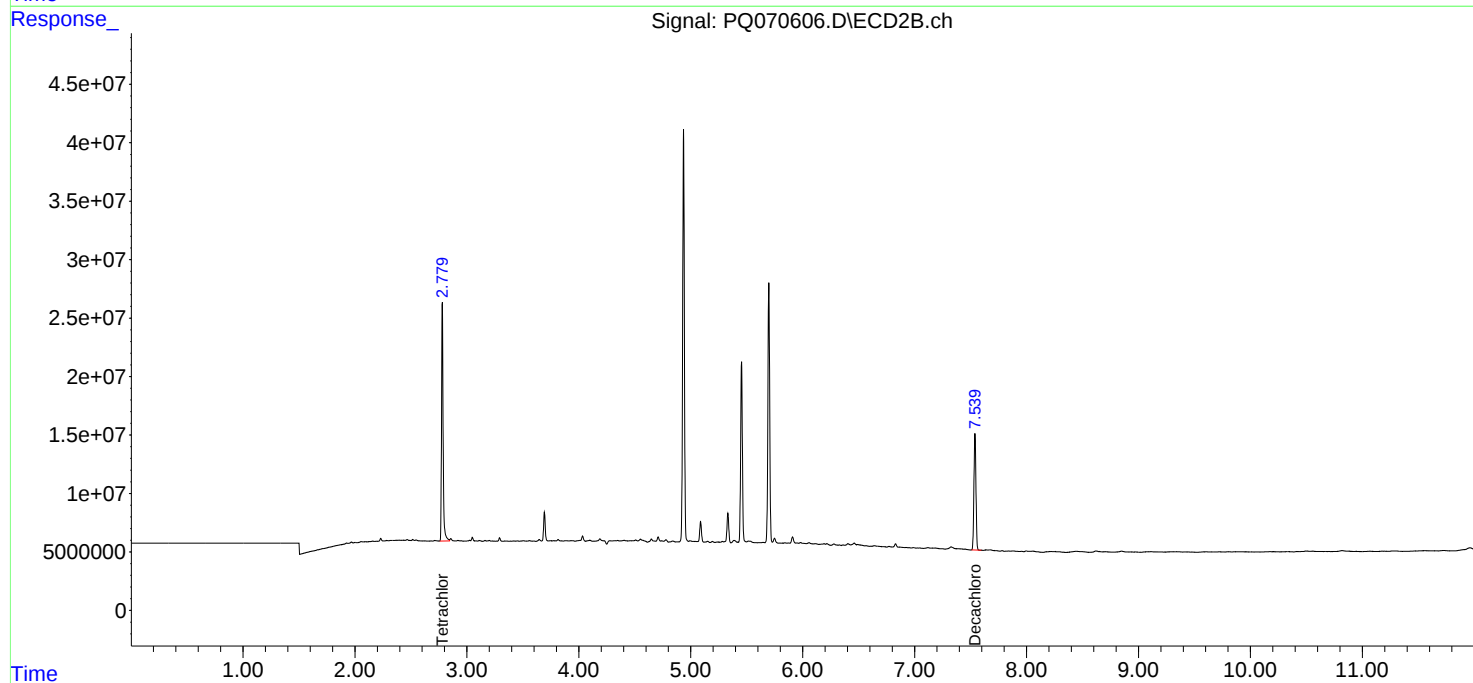
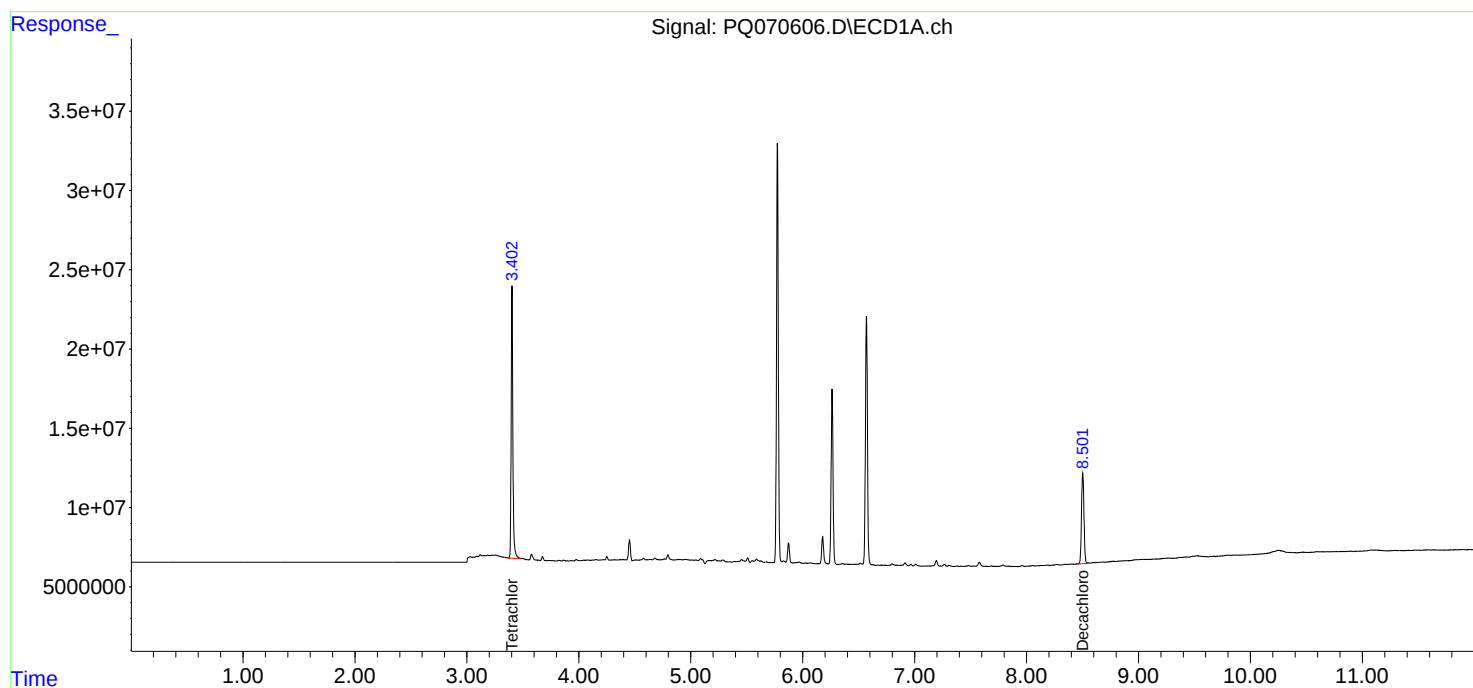
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:11
Operator : YP\AJ
Sample : Q2651-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

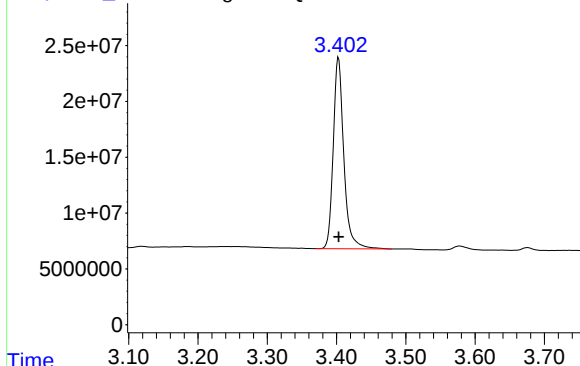
Instrument :
ECD_Q
ClientSampleId :
MH 8-7

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:06:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PQ070606.D\ECD1A.ch

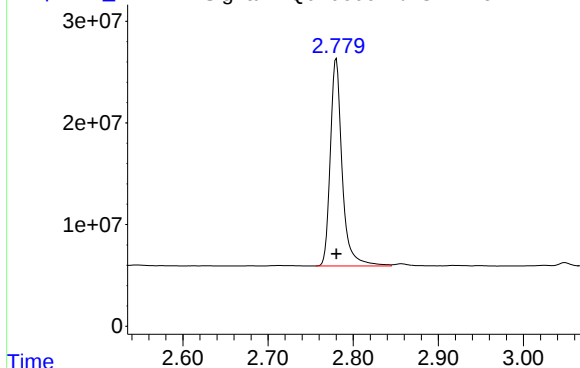


#1 Tetrachloro-m-xylene

R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 181576784
Conc: 20.67 ng/ml

Instrument :
ECD_Q
ClientSampleId :
MH 8-7

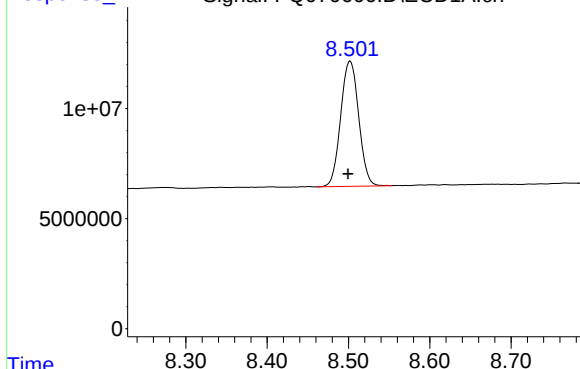
Response_ Signal: PQ070606.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 197241514
Conc: 19.77 ng/ml

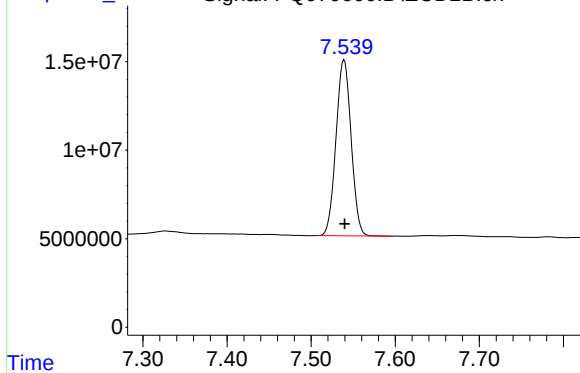
Response_ Signal: PQ070606.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 8.502 min
Delta R.T.: 0.003 min
Response: 87754236
Conc: 17.90 ng/ml

Response_ Signal: PQ070606.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 124356765
Conc: 14.23 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	92.9	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ070607.D	1	07/22/25 09:40	07/23/25 20:25	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.3	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.3	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.3	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.3	ug/kg
12672-29-6	Aroclor-1248	6.40	U	6.40	18.3	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.3	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.3	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		32 - 175	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_Q\Data\PQ072325\
Data File : PQ070607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:25
Operator : YP\AJ
Sample : Q2651-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
MH 9-8

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:07:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	186.8E6	200.2E6	21.264	20.064
2) SA Decachlor...	8.501	7.540	82510239	107.0E6	16.826	12.243 #

Target Compounds

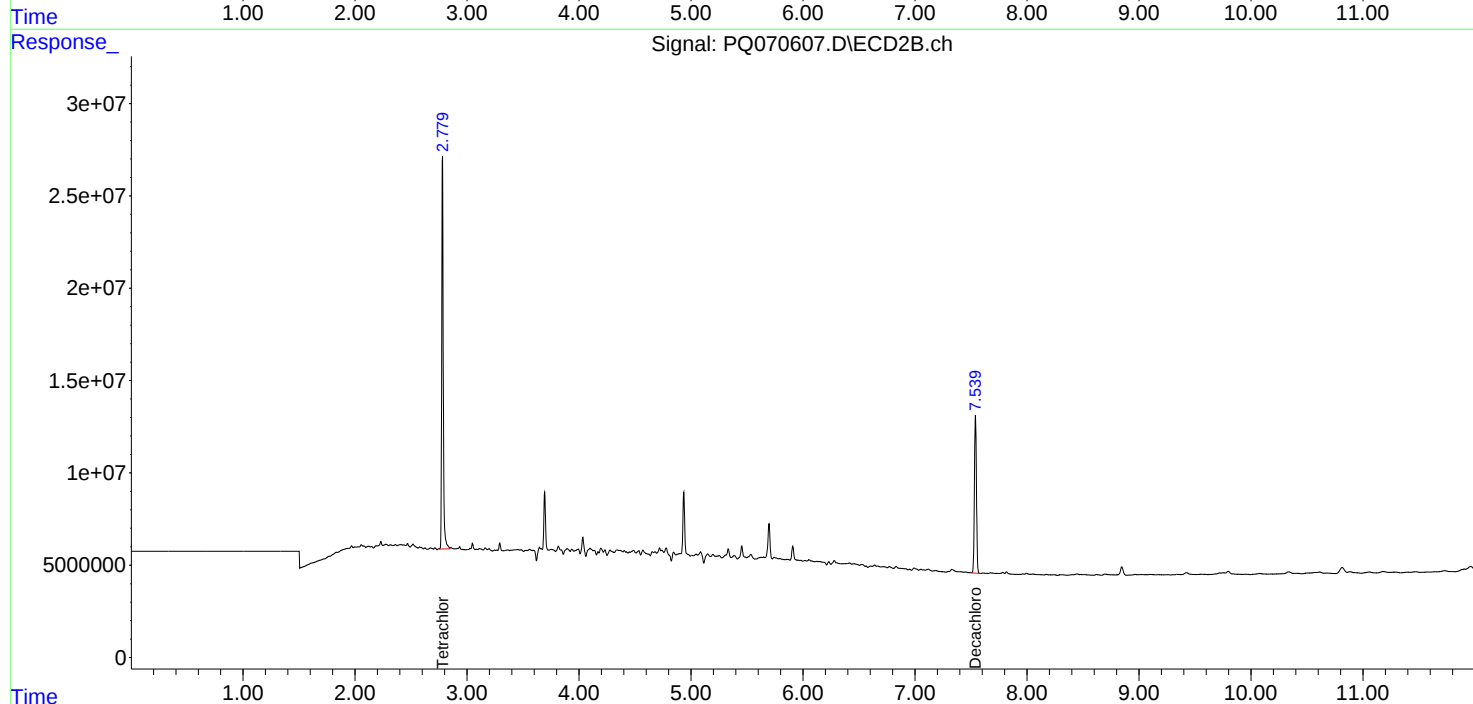
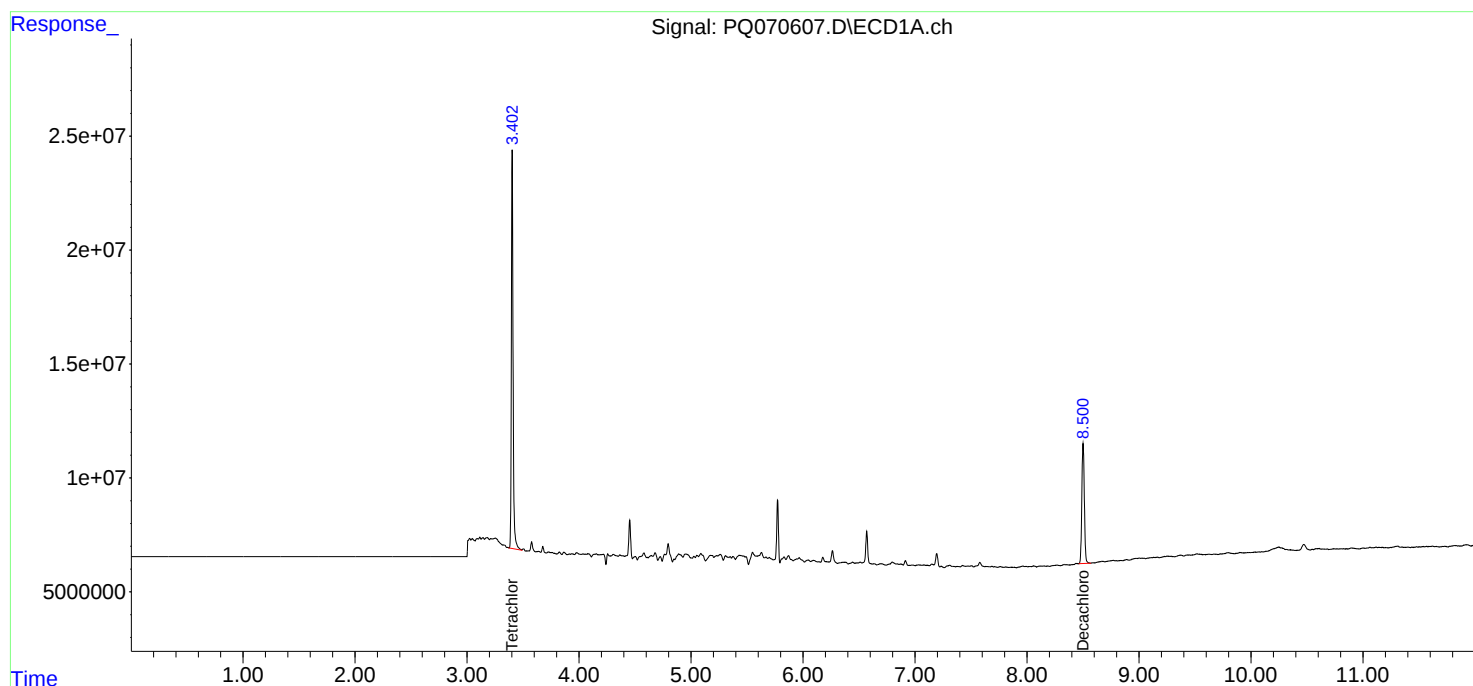
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

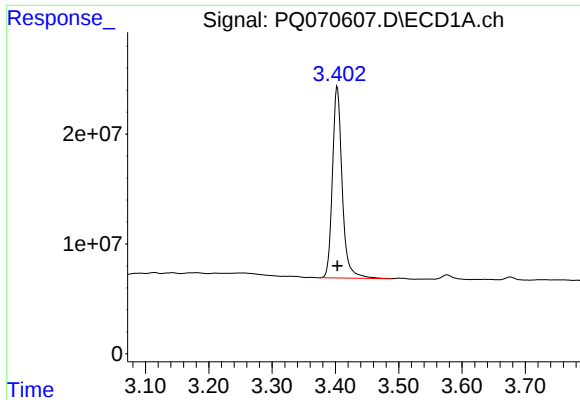
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:25
Operator : YP\AJ
Sample : Q2651-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
MH 9-8

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:07:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

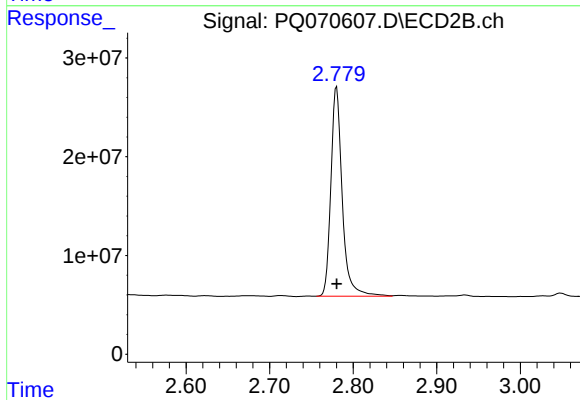




#1 Tetrachloro-m-xylene

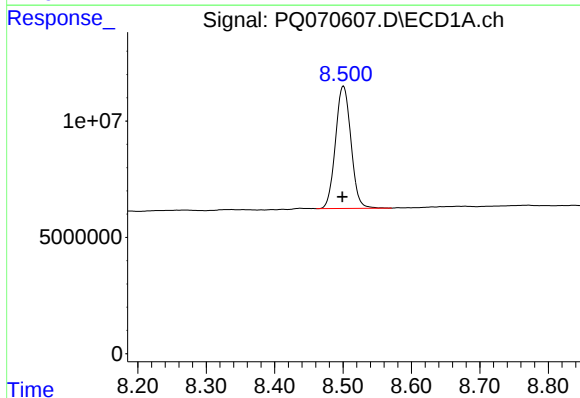
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 186793428
Conc: 21.26 ng/ml

Instrument :
ECD_Q
ClientSampleId :
MH 9-8



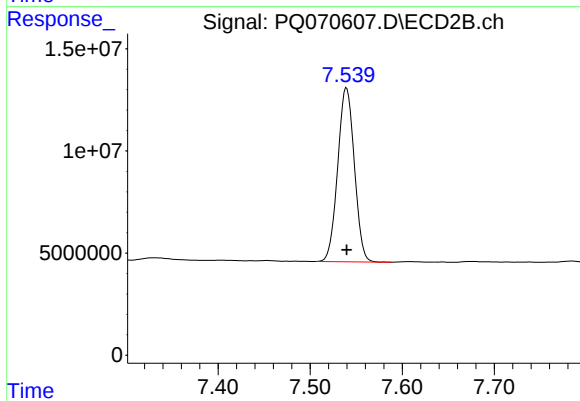
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 200217752
Conc: 20.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.001 min
Response: 82510239
Conc: 16.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 106956146
Conc: 12.24 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>EARTH03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2651</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):	<u>07/08/2025</u> <u>07/08/2025</u>
		Calibration Times:	<u>14:06</u> <u>22:16</u>

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

LAB FILE ID:	RT 1000 = <u>PO112088.D</u>	RT 750 = <u>PO112089.D</u>
RT 500 = <u>PO112090.D</u>	RT 250 = <u>PO112091.D</u>	RT 050 = <u>PO112092.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.83	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1016-4	(4)	4.95	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Aroclor-1260-2	(2)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1260-3	(3)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.84	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1242-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1248-4	(4)	5.57	5.56	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1248-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.57	5.56	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1254-2	(2)	5.72	5.71	5.72	5.71	5.71	5.72	5.62	5.82
Aroclor-1254-3	(3)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-4	(4)	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Aroclor-1254-5	(5)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.59	7.59	7.59	7.59	7.59	7.59	7.49	7.69
Aroclor-1268-2	(2)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.45	8.44	8.45	8.45	8.45	8.45	8.35	8.55

[illegible]

Contract: EARTH03

SDG NO.: Q2651

Calibration Date(s): 07/08/2025 07/08/2025

Calibration Times: 14:06 22:16

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

LAB FILE ID:		RT 1000 =	<u>PO112088.D</u>	RT 750 =	<u>PO112089.D</u>
RT 500 =	PO112090.D	RT 250 =	PO112091.D	RT 050 =	PO112092.D

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q2651

Calibration Date(s): 07/08/2025 07/08/2025
Calibration Times: 14:06 22:16

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

LAB FILE ID:		CF 1000 = <u>PO112088.D</u>		CF 750 = <u>PO112089.D</u>			
CF 500 = <u>PO112090.D</u>		CF 250 = <u>PO112091.D</u>		CF 050 = <u>PO112092.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	360742355	353411084	358608078	351811628	276040300	340122689
Aroclor-1016-2	(2)	524757576	513734579	527286258	524874328	395805960	497291740
Aroclor-1016-3	(3)	332829086	325012079	334990372	341827996	283910480	323714003
Aroclor-1016-4	(4)	267114546	263557440	269039266	265481824	218804880	256799591
Aroclor-1016-5	(5)	281257689	272140703	280446704	285989380	248475020	273661899
Aroclor-1260-1	(1)	515263930	514045125	524528068	524922328	427435480	501238986
Aroclor-1260-2	(2)	755458656	751801572	763083688	740918324	679411120	738134672
Aroclor-1260-3	(3)	672764264	679771911	697132702	647584436	580156380	655481939
Aroclor-1260-4	(4)	428461498	442815881	457502760	461118372	386340060	435247714
Aroclor-1260-5	(5)	1355306152	1333629501	1317199750	1298892100	1007658700	1262537241
Decachlorobiphenyl		7091695750	7147123880	7182630500	7285420480	5478354000	6837044922
Tetrachloro-m-xylene		10813397260	10474815627	10513291260	10183518000	7488479400	9894700309
Aroclor-1242-1	(1)	285009923	305769684	302587940	302628584	252187260	289636678
Aroclor-1242-2	(2)	424985528	451558340	449561854	447967952	355524300	425919595
Aroclor-1242-3	(3)	267327438	285181779	287377204	288451804	240089600	273685565
Aroclor-1242-4	(4)	217524144	232173980	231748124	232379948	212764400	225318119
Aroclor-1242-5	(5)	218416651	232437525	224522496	231546684	151431360	211670943
Decachlorobiphenyl		6979969120	7147406973	7161879360	7131310800	5658336400	6815780531
Tetrachloro-m-xylene		10047633560	10752033107	10538404740	10524037960	8582543200	10088930513
Aroclor-1248-1	(1)	231871262	227298380	227625104	251373404	196330000	226899630
Aroclor-1248-2	(2)	312226784	305819339	307255800	349605332	266719220	308325295
Aroclor-1248-3	(3)	394903515	391569029	392918442	459601740	397606080	407319761
Aroclor-1248-4	(4)	577144829	572571723	575557162	615211088	545252760	577147512
Aroclor-1248-5	(5)	391149352	391468967	390698366	435680552	342525360	390304519
Decachlorobiphenyl		7164669710	7172590053	7258610400	7568481440	5849763800	7002823081
Tetrachloro-m-xylene		10966260810	10668995880	10533016680	11674212280	8664104600	10501318050
Aroclor-1254-1	(1)	596387386	615301855	615556214	631197528	617123200	615113237
Aroclor-1254-2	(2)	526620849	541456496	538329150	552782544	519240660	535685940
Aroclor-1254-3	(3)	832372124	848375105	844598876	861920200	810621920	839577645
Aroclor-1254-4	(4)	488348458	550588549	528046518	514011204	324098800	481018706
Aroclor-1254-5	(5)	772769124	785953607	791521408	805117428	714377600	773947833
Decachlorobiphenyl		7313218520	7363897040	7524909560	7619539480	6511414600	7266595840
Tetrachloro-m-xylene		10817495530	10970019693	10749863260	10915129200	9106609200	10511823377
Aroclor-1268-1	(1)	1933697823	1961714709	1933333182	1889919492	1468606580	1837454357



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1621310763	1652283559	1624883286	1597201648	1292350600	1557605971	10
Aroclor-1268-3	(3)	1337748865	1359325231	1351894922	1337301304	1112111800	1299676424	8
Aroclor-1268-4	(4)	501678112	499381901	514040784	510400332	376538760	480407978	12
Aroclor-1268-5	(5)	3474681887	3495352783	3443761070	3349732680	2555042300	3263714144	12
Decachlorobiphenyl		13779789610	14010961973	13831208240	13686235720	10617540000	13185147109	11
Tetrachloro-m-xylene		10828416470	10960168653	10714217600	10397619080	7773509600	10134786281	13

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q2651

Calibration Date(s): 07/08/2025 07/08/2025
Calibration Times: 14:06 22:16

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

LAB FILE ID:		CF 1000 = <u>PO112088.D</u>		CF 750 = <u>PO112089.D</u>			
CF 500 = <u>PO112090.D</u>		CF 250 = <u>PO112091.D</u>		CF 050 = <u>PO112092.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	224689947	221197589	229855740	235435032	202993580	222834378
Aroclor-1016-2	(2)	333676696	332964816	340716574	344871116	293258760	329097592
Aroclor-1016-3	(3)	173220389	172286476	177510406	175323720	150993180	169866834
Aroclor-1016-4	(4)	133548654	134722825	140696304	141544972	135624760	137227503
Aroclor-1016-5	(5)	172958737	175867975	183374190	179483264	150567480	172450329
Aroclor-1260-1	(1)	273966572	275587577	284396370	318959696	249900320	280562107
Aroclor-1260-2	(2)	339471861	339883185	345098816	366340024	309189580	339996693
Aroclor-1260-3	(3)	285079531	283131084	293155536	294803628	221760800	275586116
Aroclor-1260-4	(4)	190320237	194370733	203166394	219087436	196280140	200644988
Aroclor-1260-5	(5)	439428363	448516680	455912584	483251276	411533840	447728549
Decachlorobiphenyl		1708564380	1754251880	1790007560	1862375960	1502102800	1723460516
Tetrachloro-m-xylene		6849689250	6688775747	6823852720	6660365320	4832613200	6371059247
Aroclor-1242-1	(1)	180558203	194276476	196154442	205920884	192381760	193858353
Aroclor-1242-2	(2)	267145812	285888559	288791934	297310352	277625120	283352355
Aroclor-1242-3	(3)	139388587	149896708	150012144	154353128	134735720	145677257
Aroclor-1242-4	(4)	132647733	142511831	143624204	149839712	140580100	141840716
Aroclor-1242-5	(5)	169256952	182077477	187071418	199409696	170855060	181734121
Decachlorobiphenyl		1694985930	1765973813	1799728340	1866433600	1579982000	1741420737
Tetrachloro-m-xylene		6408694870	6872035667	6730718280	6766792760	5539281400	6463504595
Aroclor-1248-1	(1)	148373409	146783767	149637550	173598112	153448100	154368188
Aroclor-1248-2	(2)	200165378	198242231	203122858	230241332	197066700	205767700
Aroclor-1248-3	(3)	210851108	208337667	212783398	242780584	199239520	214798455
Aroclor-1248-4	(4)	249491134	246252407	253519016	297759984	246611360	258726780
Aroclor-1248-5	(5)	244390847	243395885	250986596	299503676	214470400	250549481
Decachlorobiphenyl		1741004980	1773180160	1834926600	1999524800	1593214800	1788370268
Tetrachloro-m-xylene		6922029440	6722968493	6653358760	7457216520	5595884000	6670291443
Aroclor-1254-1	(1)	358701312	372366800	376618238	404921504	393233780	381168327
Aroclor-1254-2	(2)	309319461	318506233	325963420	350344944	354921460	331811104
Aroclor-1254-3	(3)	457035033	473473401	470706516	496812748	512186320	482042804
Aroclor-1254-4	(4)	242702235	264458053	264466114	273730492	258116740	260694727
Aroclor-1254-5	(5)	340856875	348898753	356048528	374047448	361929480	356356217
Decachlorobiphenyl		1762037980	1801047667	1852268780	1914979680	1705564000	1807179621
Tetrachloro-m-xylene		6812677640	6946187027	6790686340	6873927640	5937916200	6672278969
Aroclor-1268-1	(1)	486556055	496283868	499490630	514433332	460511800	491455137



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	414074889	422901423	425132138	438633692	385189960	417186420	5
Aroclor-1268-3	(3)	309607188	317937561	322370012	335163612	296865480	316388771	5
Aroclor-1268-4	(4)	111375490	114260995	115590378	117536984	98796160	111512001	7
Aroclor-1268-5	(5)	736492551	750146037	748798464	755249104	641904560	726518143	7
Decachlorobiphenyl		3139191470	3230861547	3253774420	3306379000	2721463200	3130333927	8
Tetrachloro-m-xylene		6732535870	6829120120	6762174400	6573365120	5117275800	6402894262	11



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
Instrument ID: ECD_O **Date(s) Analyzed:** 07/08/2025 07/08/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.88	3.78	3.98	116614000
		2	3.97	3.87	4.07	78840600
		3	4.05	3.95	4.15	269582000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	214668000
		2	4.54	4.44	4.64	113637000
		3	4.78	4.68	4.88	229008000
		4	4.96	4.86	5.06	114297000
		5	5.00	4.90	5.10	73400200
Aroclor-1262	500	1	6.81	6.71	6.91	1021690000
		2	7.31	7.21	7.41	1639370000
		3	7.59	7.49	7.69	641976000
		4	7.66	7.56	7.76	1071430000
		5	8.15	8.05	8.25	448140000



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
Instrument ID: ECD_O **Date(s) Analyzed:** 07/08/2025 07/08/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.88	3.78	3.98	82295000
		2	3.96	3.86	4.06	59353600
		3	4.04	3.94	4.14	188777000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	150099000
		2	4.76	4.66	4.86	153086000
		3	4.94	4.84	5.04	75506000
		4	5.02	4.92	5.12	65988200
		5	5.19	5.09	5.29	74260000
Aroclor-1262	500	1	6.77	6.67	6.87	407320000
		2	7.27	7.17	7.37	512548000
		3	7.55	7.45	7.65	179524000
		4	7.62	7.52	7.72	290920000
		5	8.11	8.01	8.21	105784000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112088.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 14:06
 Operator : YP/AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC1000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 15:11:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 15:05:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.671	3.666	1081.3E6	685.0E6	101.527m	100.423m
2) SA Decachlor...	8.702	8.649	709.2E6	170.9E6	99.363	97.492m
Target Compounds						
3) L1 AR-1016-1	4.759	4.743	360.7E6	224.7E6	1002.967	1009.911
4) L1 AR-1016-2	4.777	4.761	524.8E6	333.7E6	997.596	990.816
5) L1 AR-1016-3	4.834	4.936	332.8E6	173.2E6	996.764	996.808m
6) L1 AR-1016-4	4.954	4.980	267.1E6	133.5E6	996.410	973.937
7) L1 AR-1016-5	5.211	5.191	281.3E6	173.0E6	1001.444	970.770
31) L7 AR-1260-1	6.249	6.220	515.3E6	274.0E6	991.090	981.321
32) L7 AR-1260-2	6.438	6.409	755.5E6	339.5E6	994.979	991.780
33) L7 AR-1260-3	6.805	6.560	672.8E6	285.1E6	982.211	986.397m
34) L7 AR-1260-4	7.065	7.031	428.5E6	190.3E6	967.221	967.353
35) L7 AR-1260-5	7.308	7.272	1355.3E6	439.4E6	1014.259	981.589

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112088.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 14:06
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

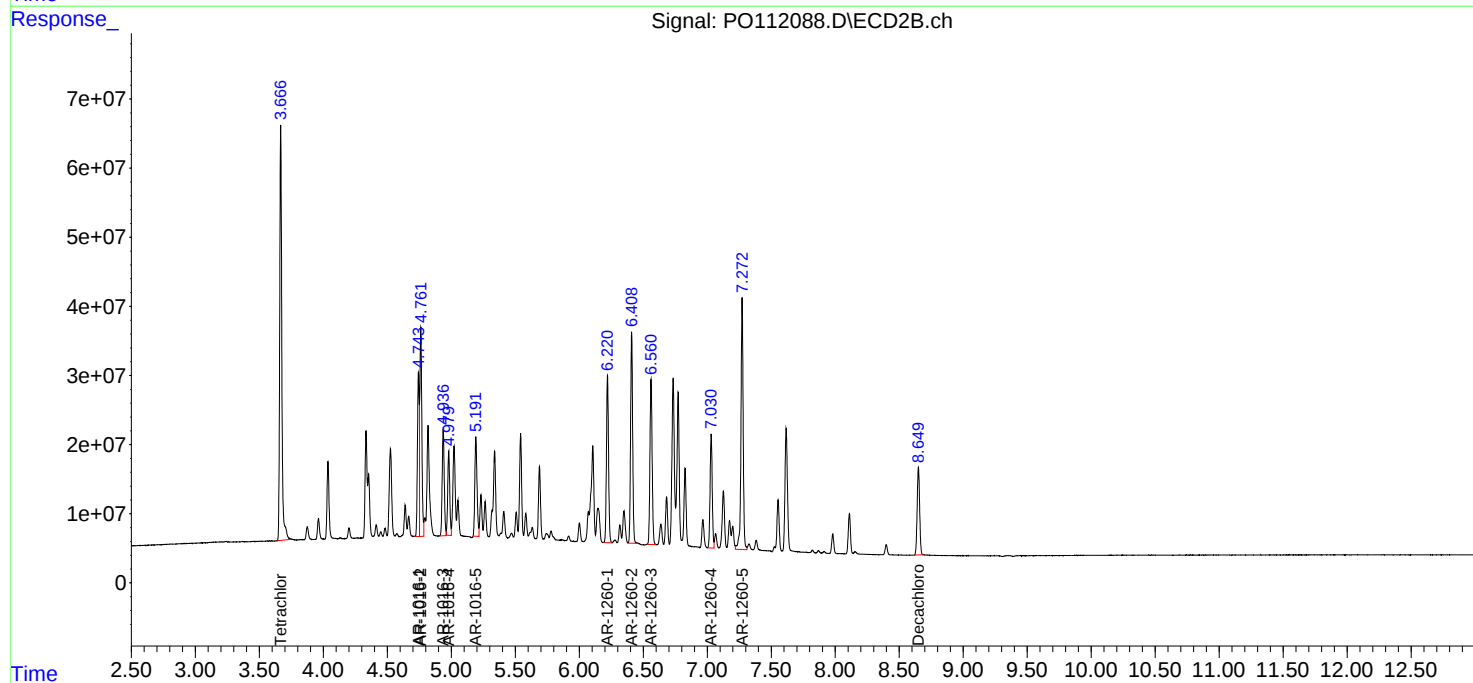
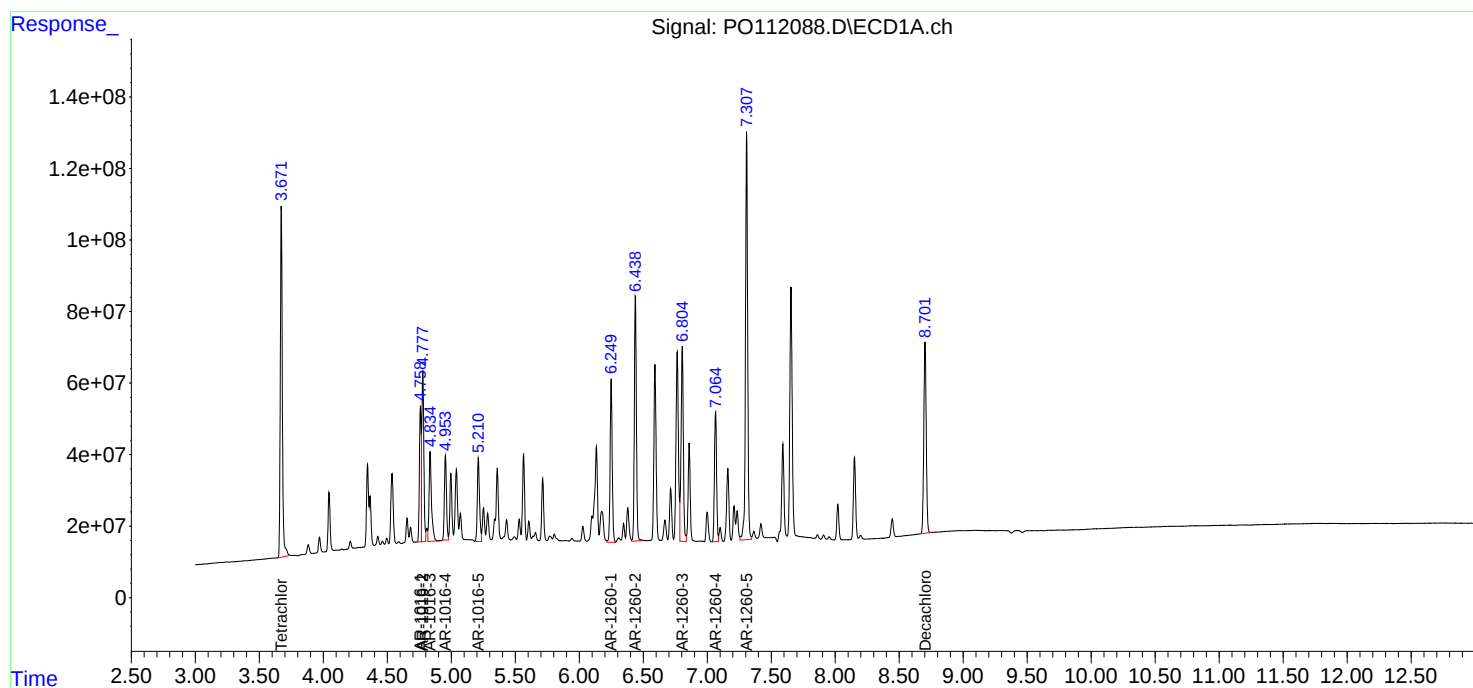
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 15:11:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 15:05:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112089.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 14:25
 Operator : YP/AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 15:14:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 15:05:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.673	3.666	785.6E6	501.7E6	74.111m	73.846m
2)	SA Decachlor...	8.704	8.650	536.0E6	131.6E6	75.070	75.207m
Target Compounds							
3)	L1 AR-1016-1	4.761	4.743	265.1E6	165.9E6	741.241	736.514
4)	L1 AR-1016-2	4.780	4.762	385.3E6	249.7E6	738.229	743.699
5)	L1 AR-1016-3	4.837	4.936	243.8E6	129.2E6	736.557	746.717m
6)	L1 AR-1016-4	4.956	4.979	197.7E6	101.0E6	741.523	743.789m
7)	L1 AR-1016-5	5.213	5.191	204.1E6	131.9E6	734.329	748.865m
31)	L7 AR-1260-1	6.252	6.221	385.5E6	206.7E6	744.352	743.536
32)	L7 AR-1260-2	6.441	6.409	563.9E6	254.9E6	745.065	746.483
33)	L7 AR-1260-3	6.808	6.560	509.8E6	212.3E6	746.212	739.991m
34)	L7 AR-1260-4	7.067	7.031	332.1E6	145.8E6	749.812	743.946
35)	L7 AR-1260-5	7.309	7.273	1000.2E6	336.4E6	749.018	750.945

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 14:25
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

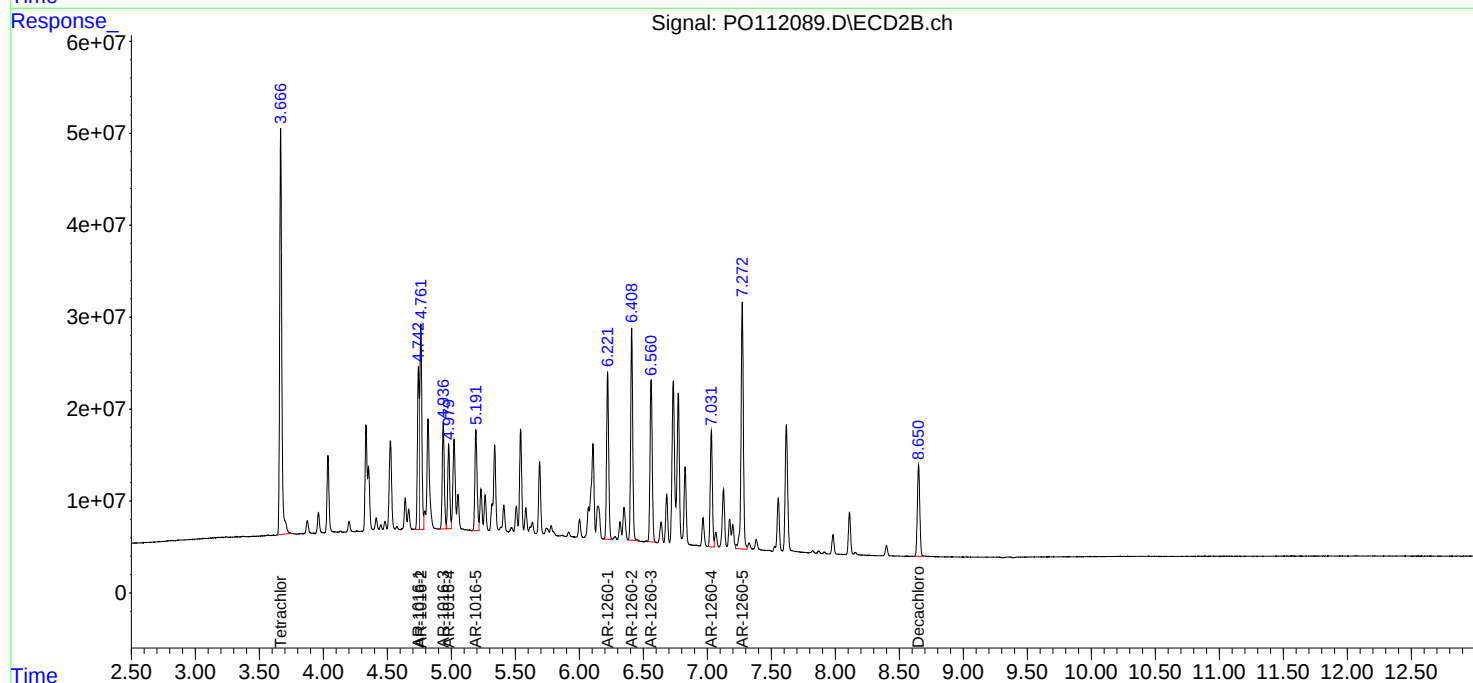
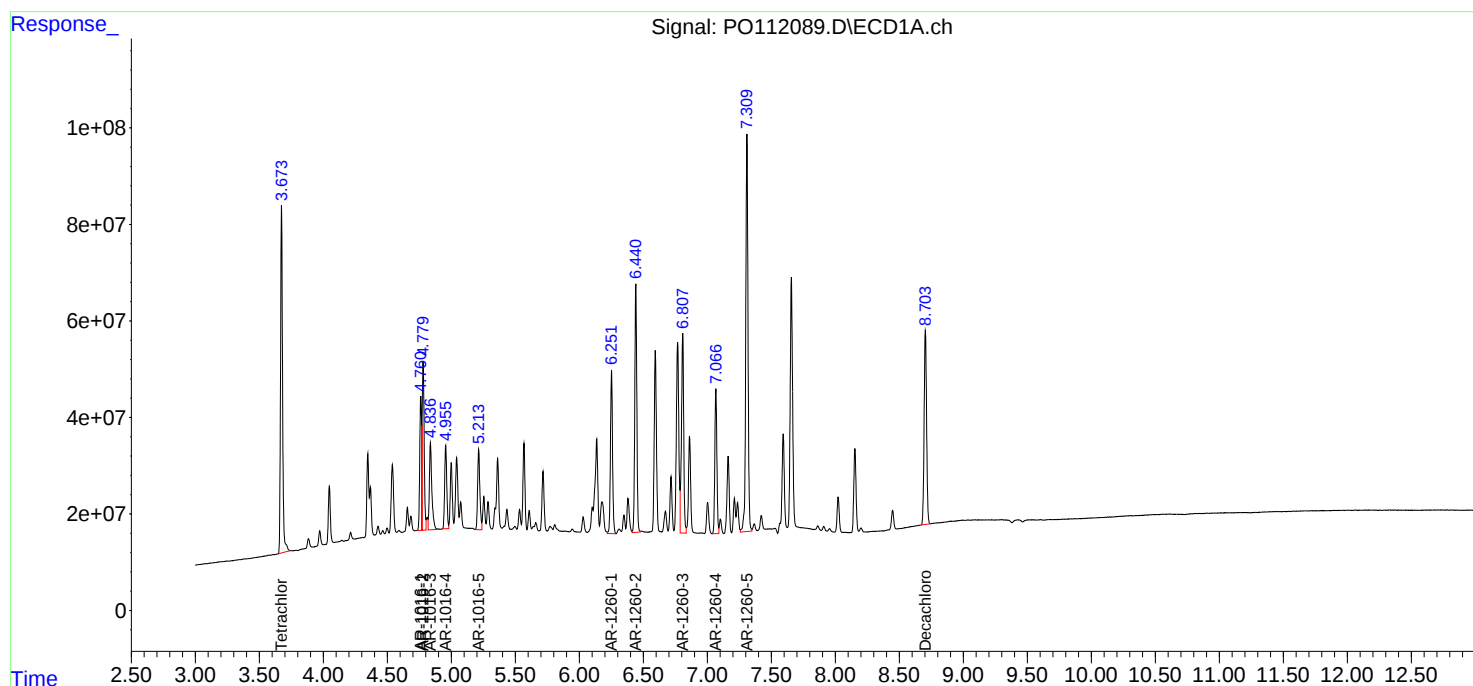
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 15:14:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 15:05:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112090.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 14:43
 Operator : YP/AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 15:07:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 15:05:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.673	3.684	525.7E6	341.2E6	50.000	50.000
2)	SA Decachlor...	8.703	8.668	359.1E6	89500378	50.000	50.000
Target Compounds							
3)	L1 AR-1016-1	4.761	4.761	179.3E6	114.9E6	500.000	500.000
4)	L1 AR-1016-2	4.780	4.779	263.6E6	170.4E6	500.000	500.000
5)	L1 AR-1016-3	4.836	4.954	167.5E6	88755203	500.000	500.000
6)	L1 AR-1016-4	4.956	4.997	134.5E6	70348152	500.000	500.000
7)	L1 AR-1016-5	5.213	5.209	140.2E6	91687095	500.000	500.000
31)	L7 AR-1260-1	6.251	6.238	262.3E6	142.2E6	500.000	500.000
32)	L7 AR-1260-2	6.441	6.426	381.5E6	172.5E6	500.000	500.000
33)	L7 AR-1260-3	6.807	6.578	348.6E6	146.6E6	500.000	500.000
34)	L7 AR-1260-4	7.067	7.048	228.8E6	101.6E6	500.000	500.000
35)	L7 AR-1260-5	7.309	7.290	658.6E6	228.0E6	500.000	500.000

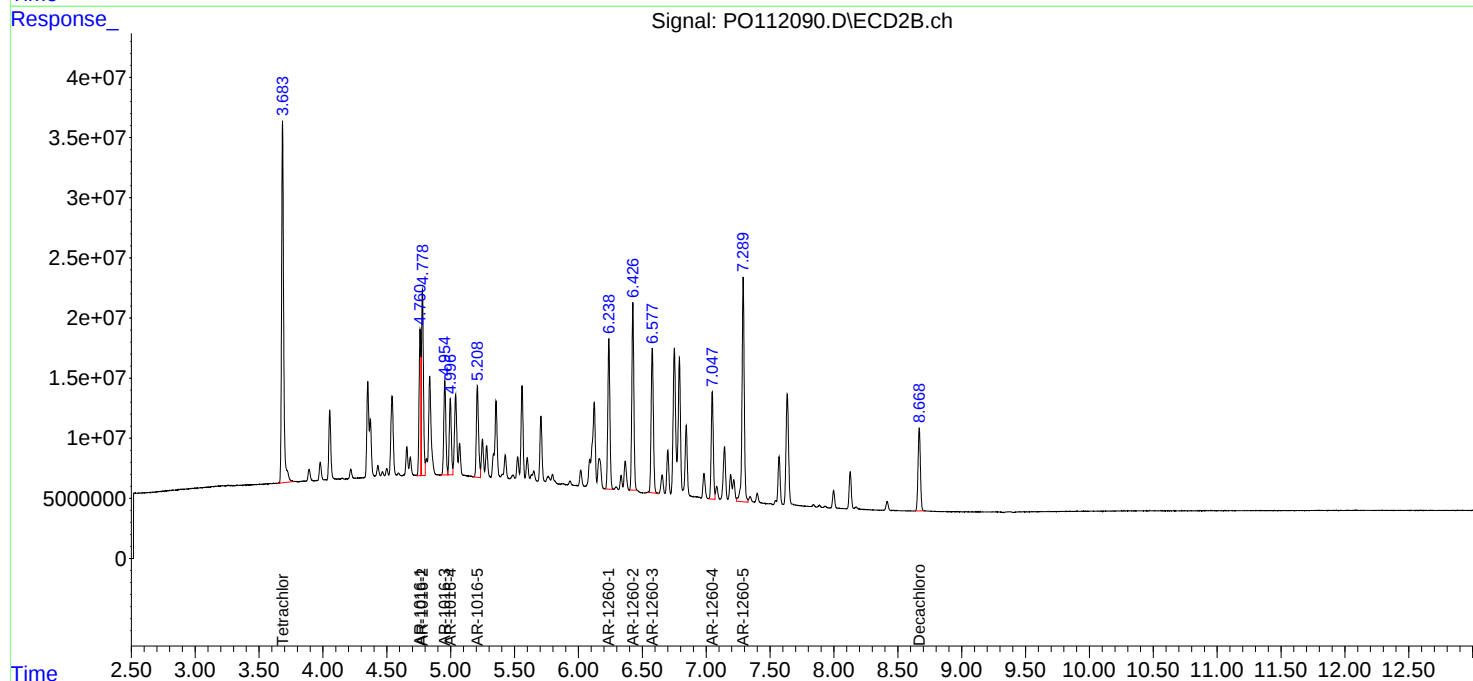
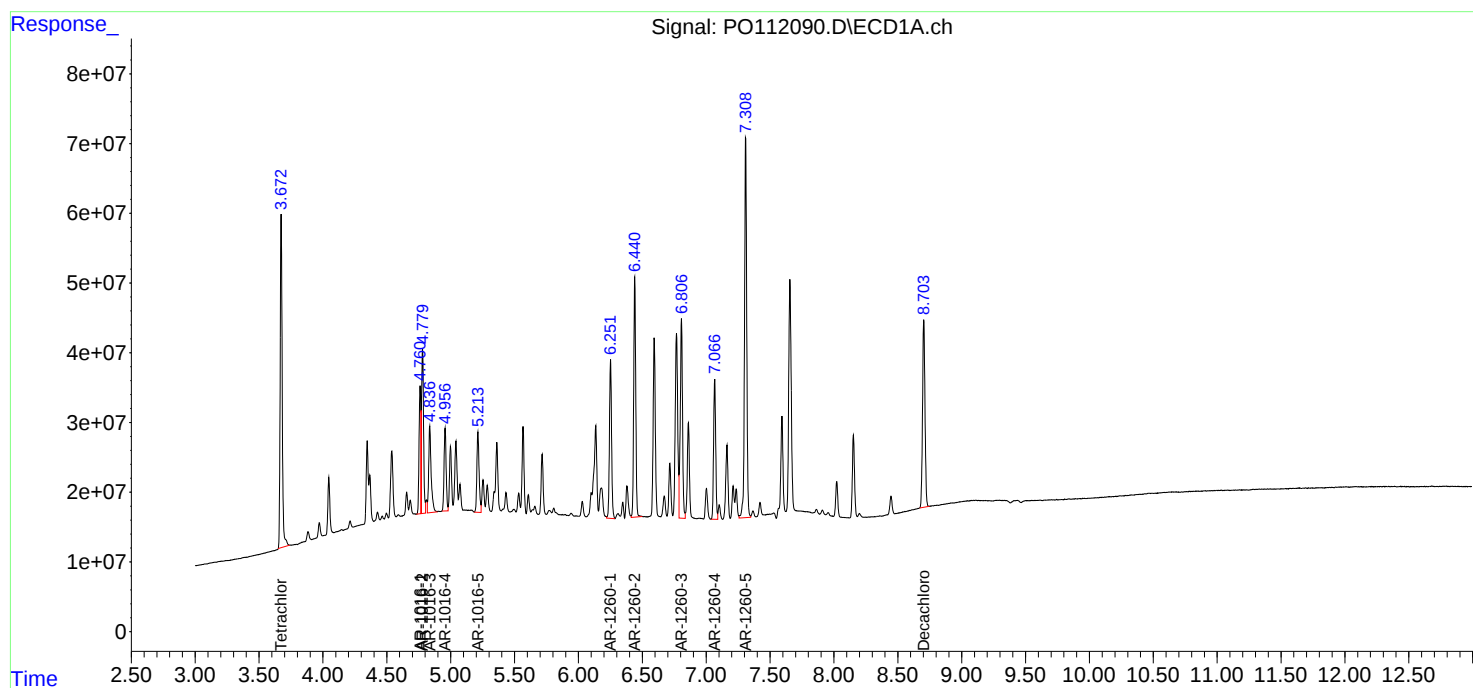
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 14:43
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 15:07:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 15:05:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112091.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 15:02
 Operator : YP/AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 15:21:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 15:05:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.674	3.666	254.6E6	166.5E6	24.239	24.620m
2) SA Decachlor...	8.704	8.650	182.1E6	46559399	25.379	26.170m
Target Compounds						
3) L1 AR-1016-1	4.762	4.743	87952907	58858758	246.959	258.385
4) L1 AR-1016-2	4.780	4.762	131.2E6	86217779	251.058	255.039
5) L1 AR-1016-3	4.838	4.937	85456999	43830930	256.116	251.057
6) L1 AR-1016-4	4.957	4.979	66370456	35386243	249.234	257.115
7) L1 AR-1016-5	5.214	5.192	71497345	44870816	255.385	251.028
31) L7 AR-1260-1	6.251	6.221	131.2E6	79739924	253.320m	276.656
32) L7 AR-1260-2	6.441	6.409	185.2E6	91585006	246.068m	263.404
33) L7 AR-1260-3	6.807	6.561	161.9E6	73700907	238.590m	254.910m
34) L7 AR-1260-4	7.066	7.031	115.3E6	54771859	256.248m	271.502
35) L7 AR-1260-5	7.309	7.272	324.7E6	120.8E6	242.889m	264.490

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112091.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 15:02
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

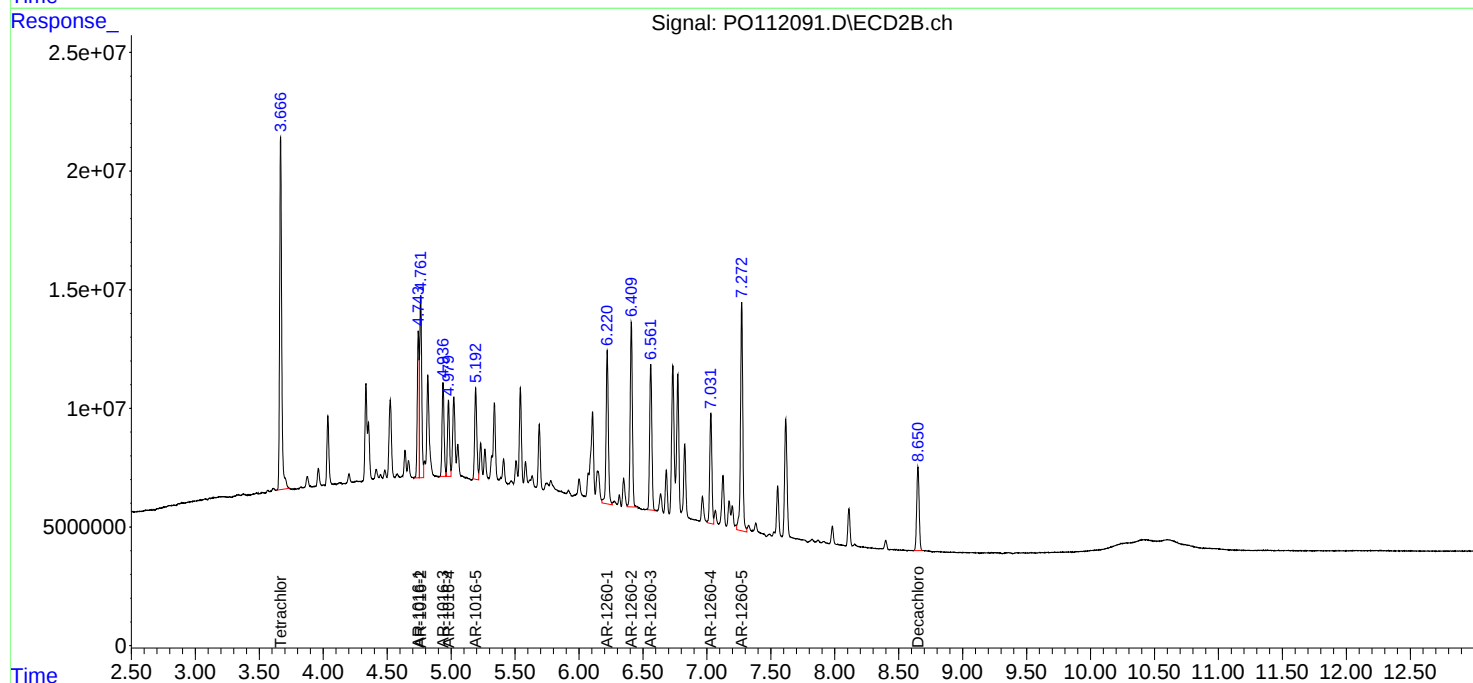
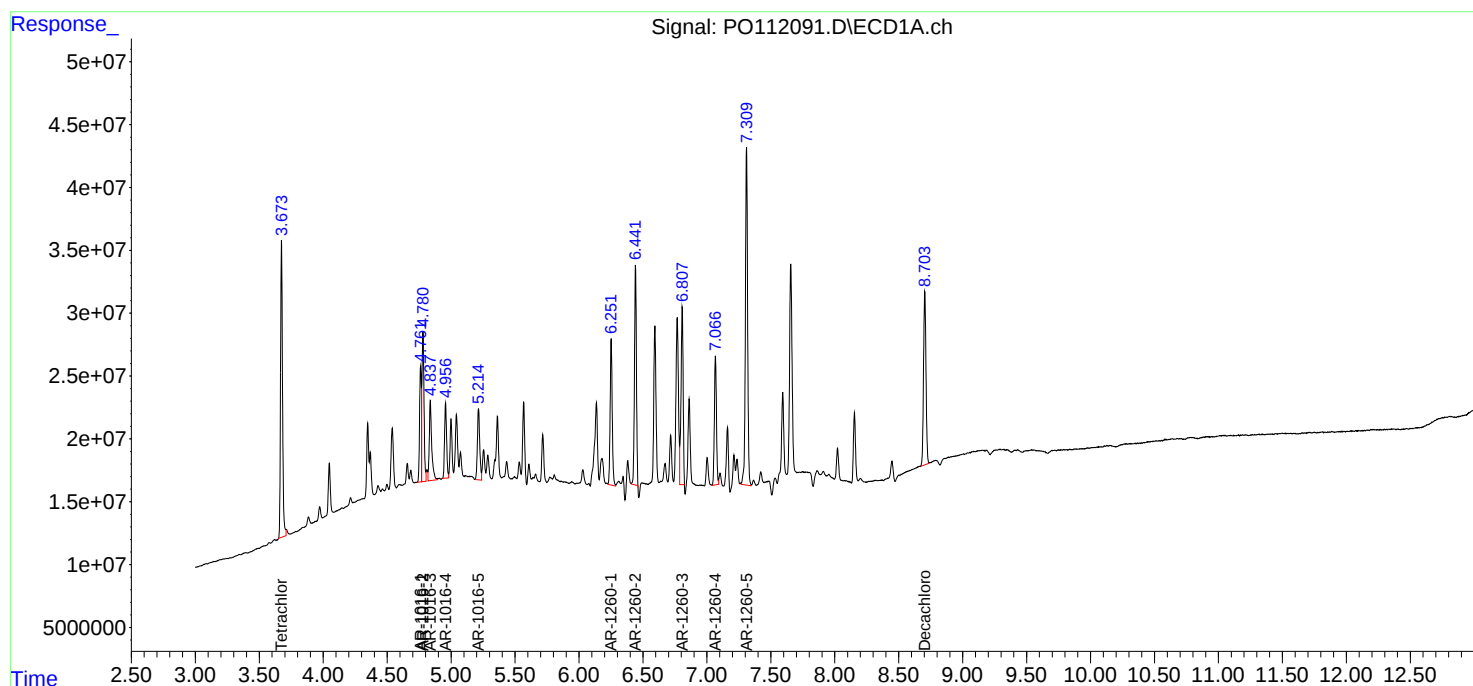
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 15:21:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 15:05:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112092.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 15:21
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 15:36:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 08 15:36:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.673	3.666	37442397	24163066	3.784	3.793
2)	SA Decachlor...	8.703	8.650	27391770	7510514	4.006	4.354m
Target Compounds							
3)	L1 AR-1016-1	4.761	4.743	13802015	10149679	40.580	45.548
4)	L1 AR-1016-2	4.780	4.761	19790298	14662938	39.796	44.555
5)	L1 AR-1016-3	4.836	4.936	14195524	7549659	43.852	44.445
6)	L1 AR-1016-4	4.956	4.979	10940244	6781238	42.602	49.416
7)	L1 AR-1016-5	5.211	5.191	12423751	7528374	45.100m	43.655
31)	L7 AR-1260-1	6.250	6.220	21371774	12495016	42.836m	44.579m
32)	L7 AR-1260-2	6.440	6.408	33970556	15459479	46.386m	45.388m
33)	L7 AR-1260-3	6.806	6.559	29007819	11088040	44.254	40.234
34)	L7 AR-1260-4	7.066	7.030	19317003	9814007	44.382	48.912
35)	L7 AR-1260-5	7.309	7.272	50382935	20576692	39.906	45.958

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112092.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 15:21
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

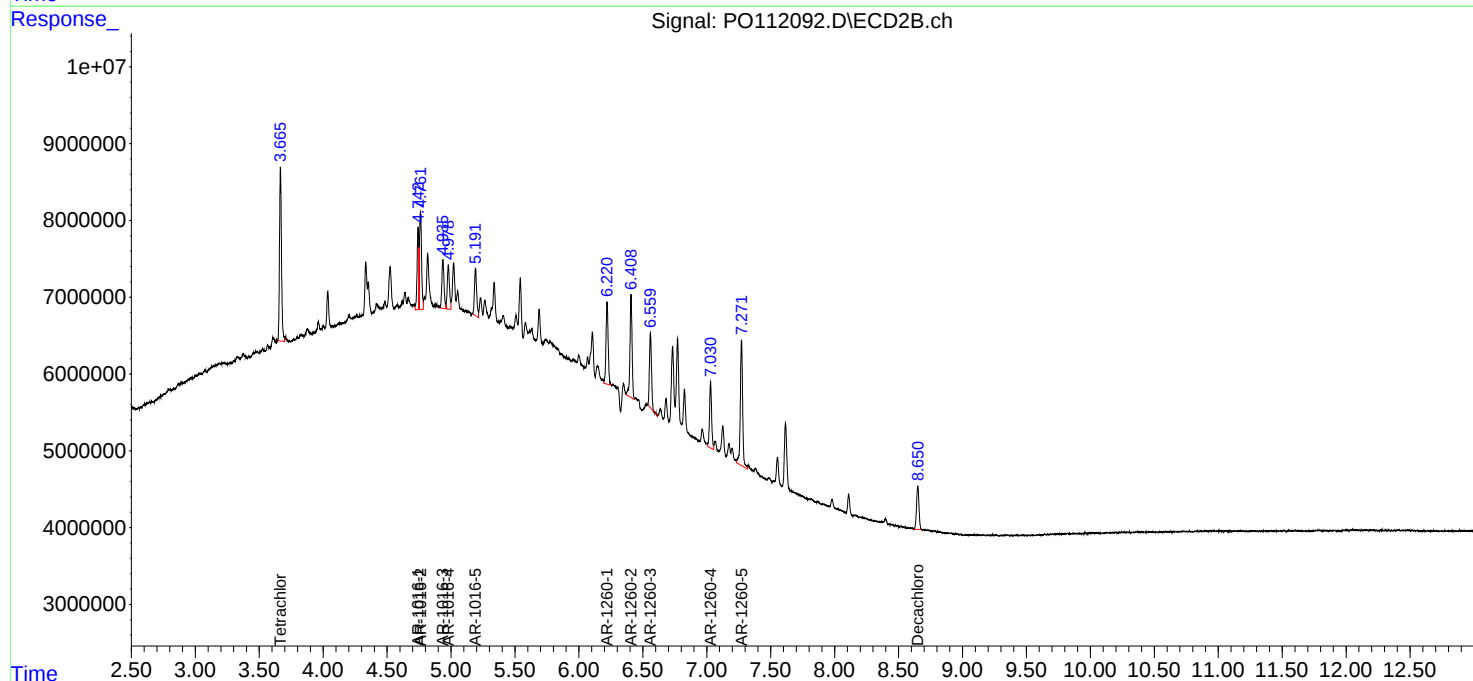
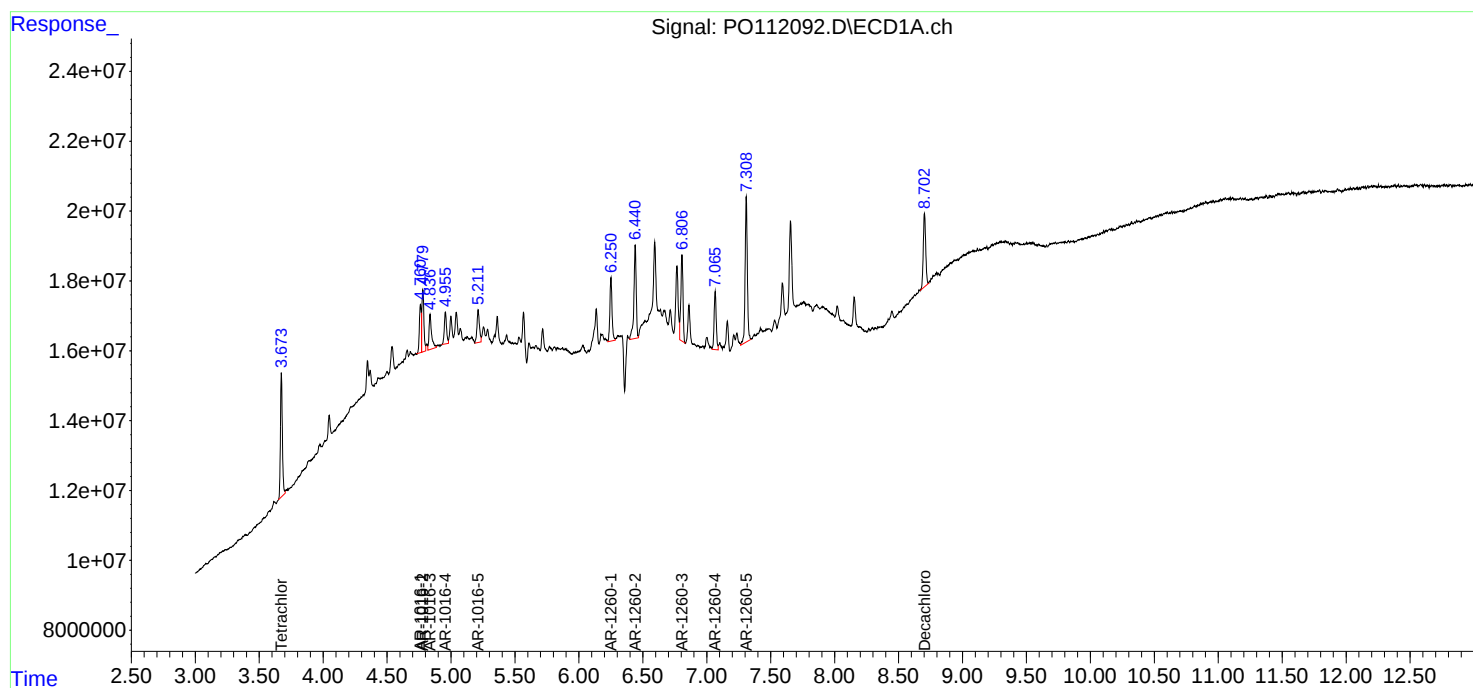
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 15:36:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 08 15:36:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\P0070825\
 Data File : P0112093.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 15:38
 Operator : YP/AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:15:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:08:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.671	3.666	491.3E6	310.8E6	50.000	50.000
2) SA Decachlor...	8.701	8.649	354.6E6	89358669	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.883	3.875	58306973	41147512	500.000	500.000
9) L2 AR-1221-2	3.969	3.960	39420252	29676775	500.000	500.000
10) L2 AR-1221-3	4.045	4.036	134.8E6	94388324	500.000	500.000

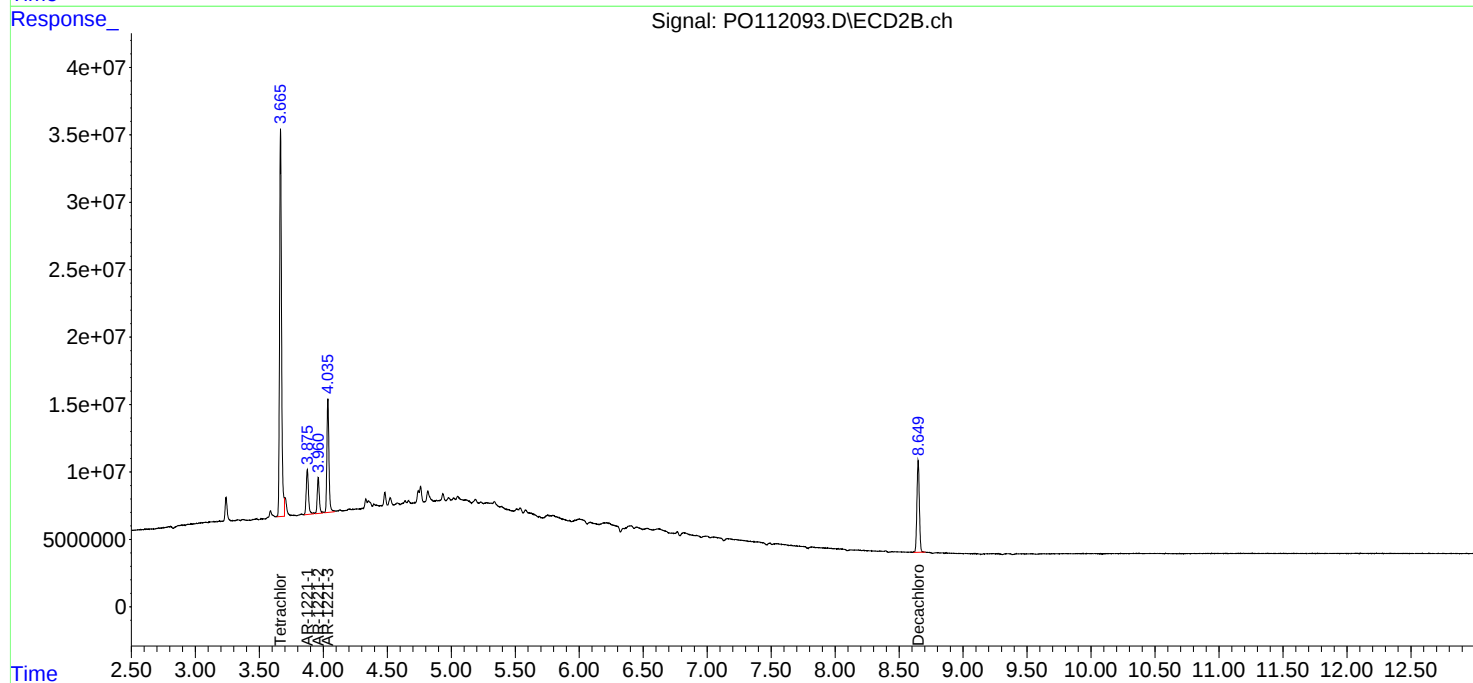
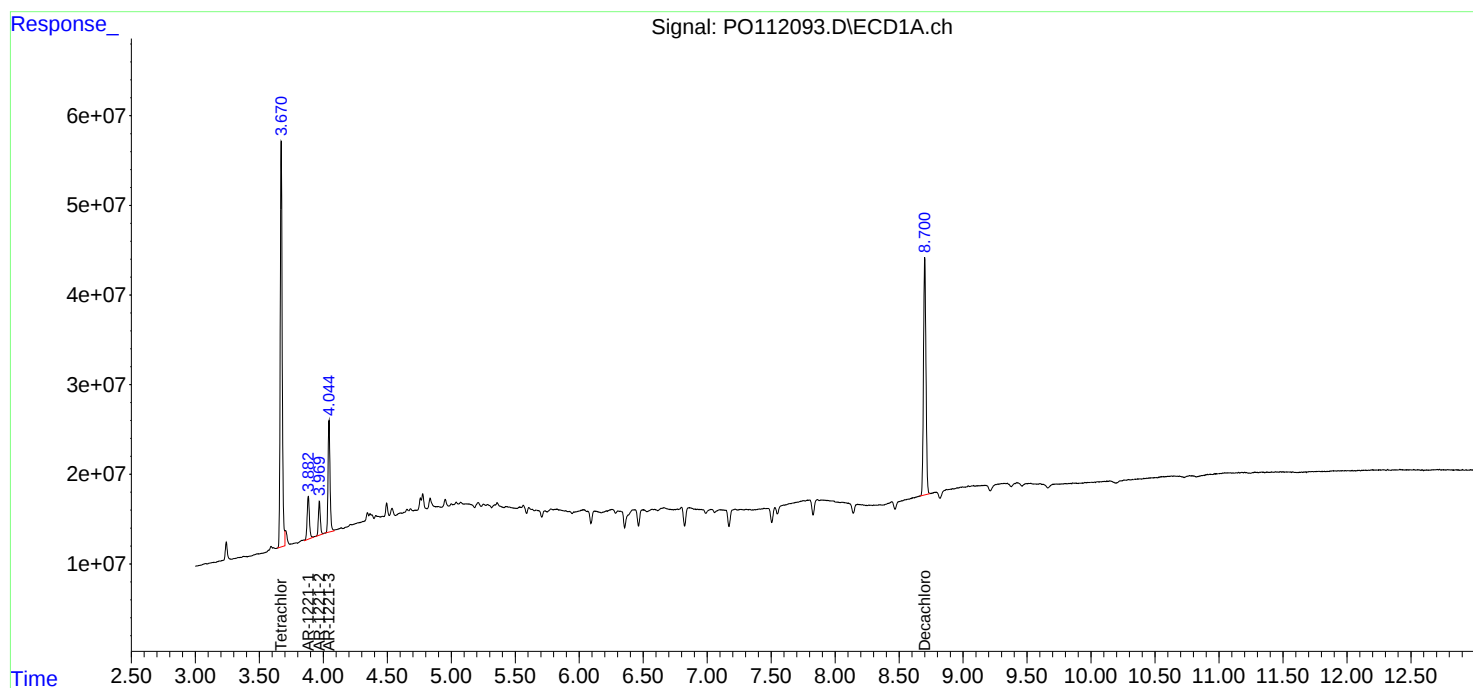
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112093.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 15:38
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:15:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:08:52 2025
Response via : 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\P0070825\
 Data File : P0112094.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 15:57
 Operator : YP/AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:23:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:18:55 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...	3.673	3.667	508.1E6	328.2E6	50.000	50.000
2) SA Decachlor...	8.703	8.649	348.2E6	88061507	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.047	4.036	107.3E6	75049686	500.000	500.000
12) L3 AR-1232-2	4.539	4.761	56818484	76542867	500.000	500.000
13) L3 AR-1232-3	4.780	4.936	114.5E6	37753016	500.000	500.000
14) L3 AR-1232-4	4.956	5.021	57148344	32994097	500.000	500.000
15) L3 AR-1232-5	4.999	5.191	36700121	37129963	500.000	500.000

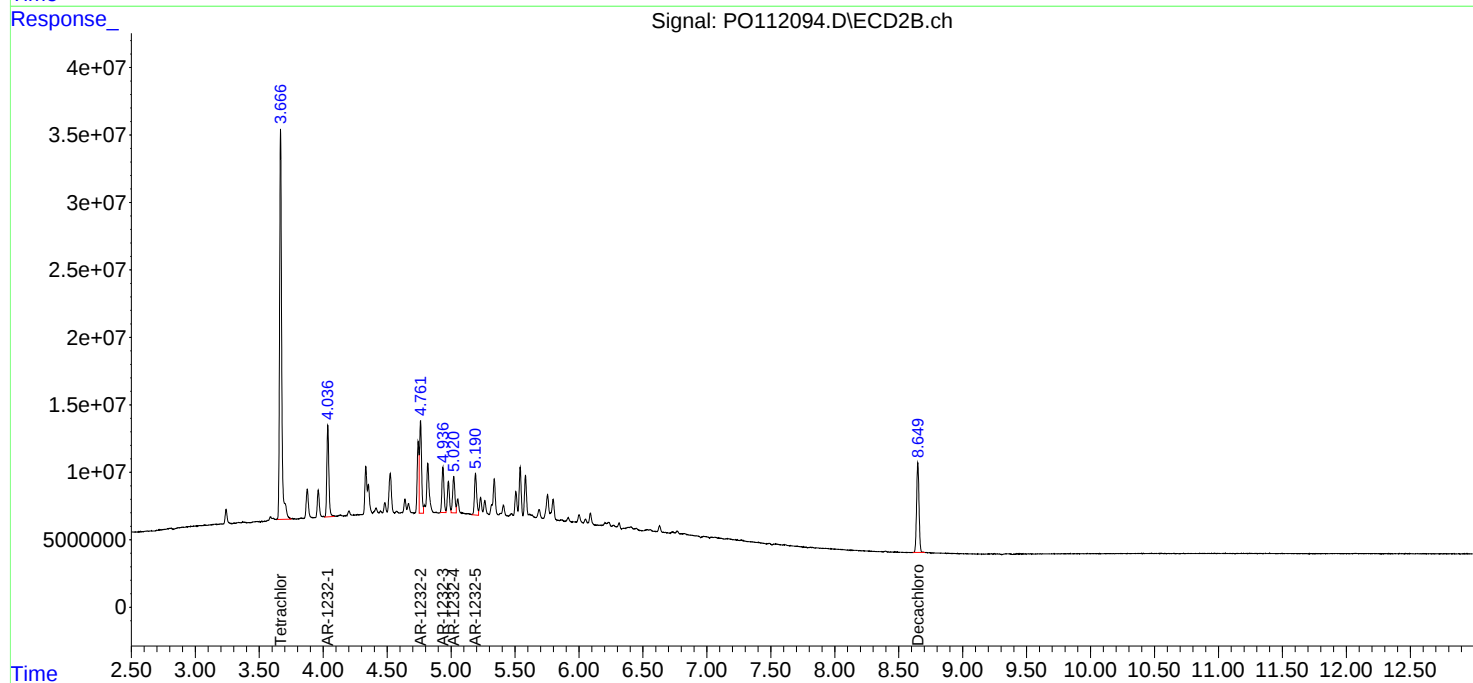
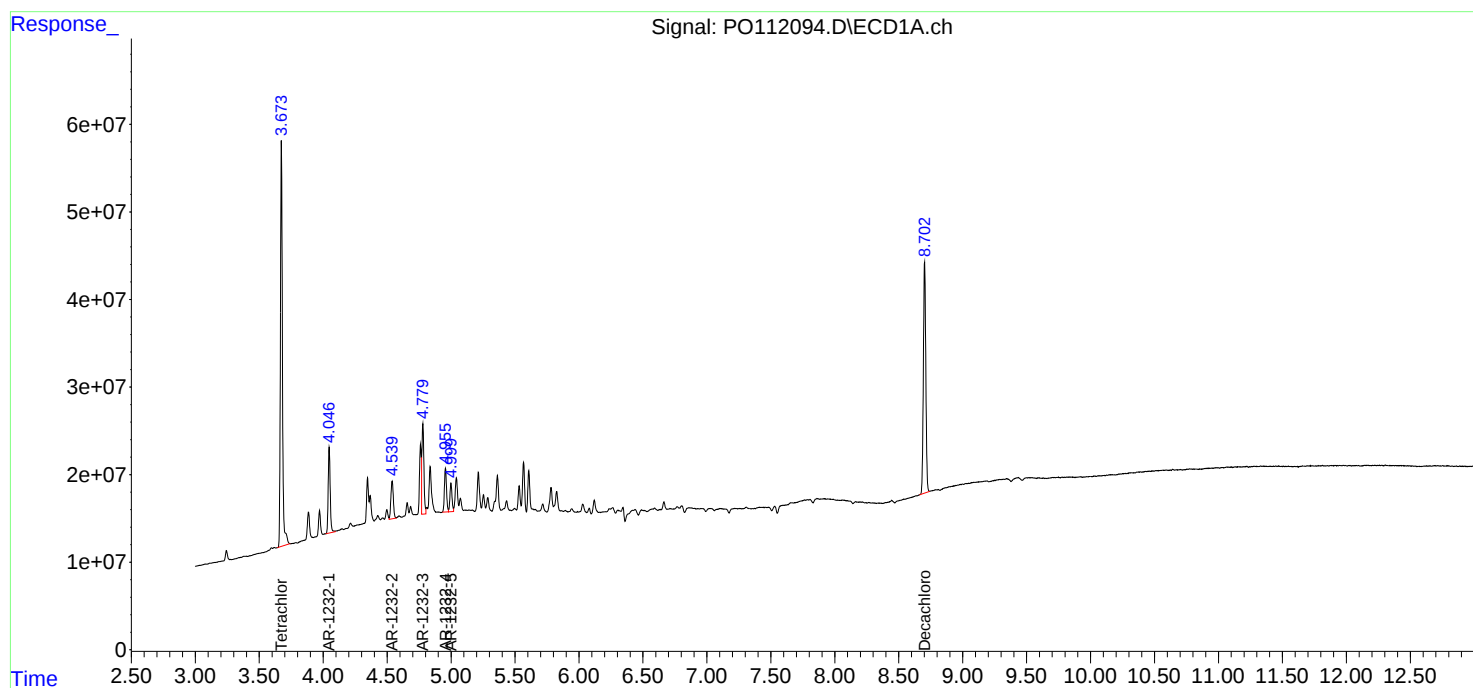
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112094.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 15:57
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:23:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:18:55 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\P0070825\
 Data File : P0112095.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 16:15
 Operator : YP/AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:30:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:27:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.674	3.667	1004.8E6	640.9E6	95.343	95.216
2) SA Decachlor...	8.703	8.651	698.0E6	169.5E6	97.460	94.180
Target Compounds						
16) L4 AR-1242-1	4.761	4.744	285.0E6	180.6E6	941.908	920.490
17) L4 AR-1242-2	4.780	4.762	425.0E6	267.1E6	945.333	925.046
18) L4 AR-1242-3	4.837	4.937	267.3E6	139.4E6	930.232	929.182
19) L4 AR-1242-4	4.957	5.022	217.5E6	132.6E6	938.623	923.575
20) L4 AR-1242-5	5.608	5.541	218.4E6	169.3E6	972.805	904.772

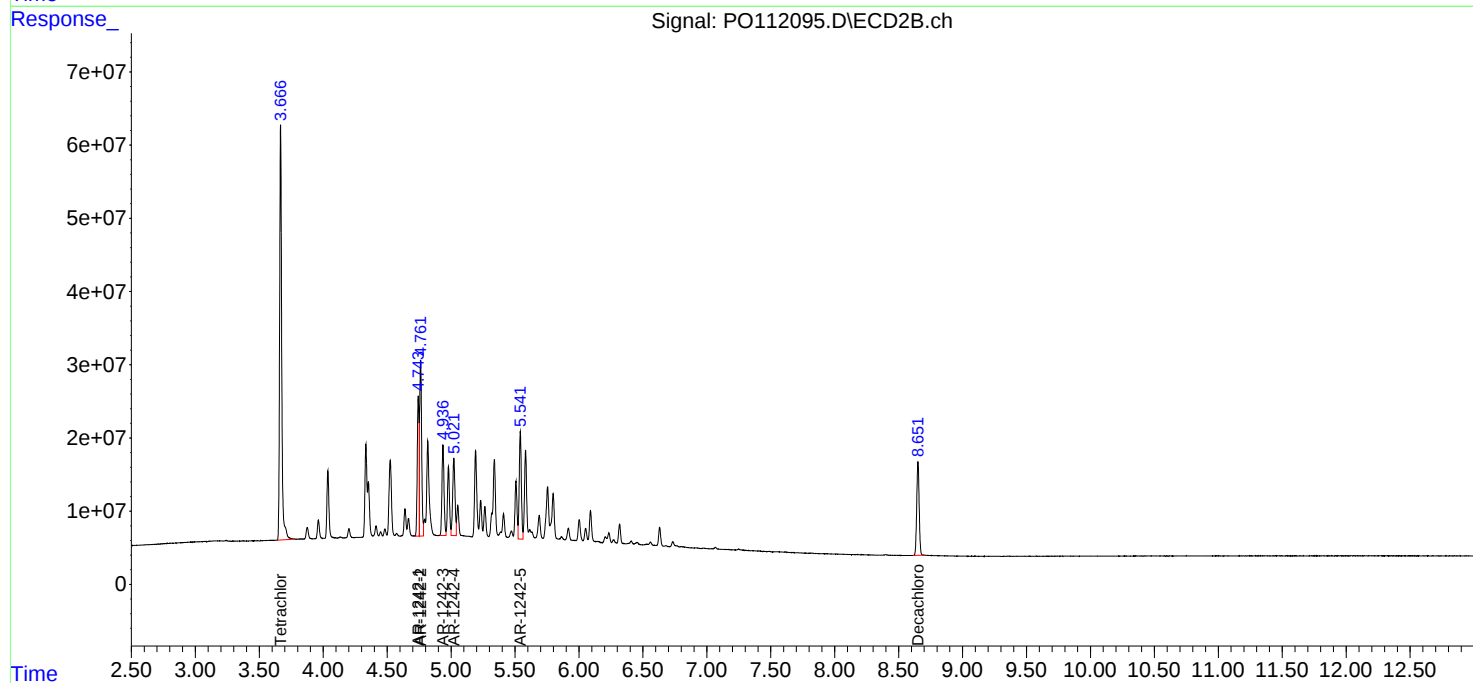
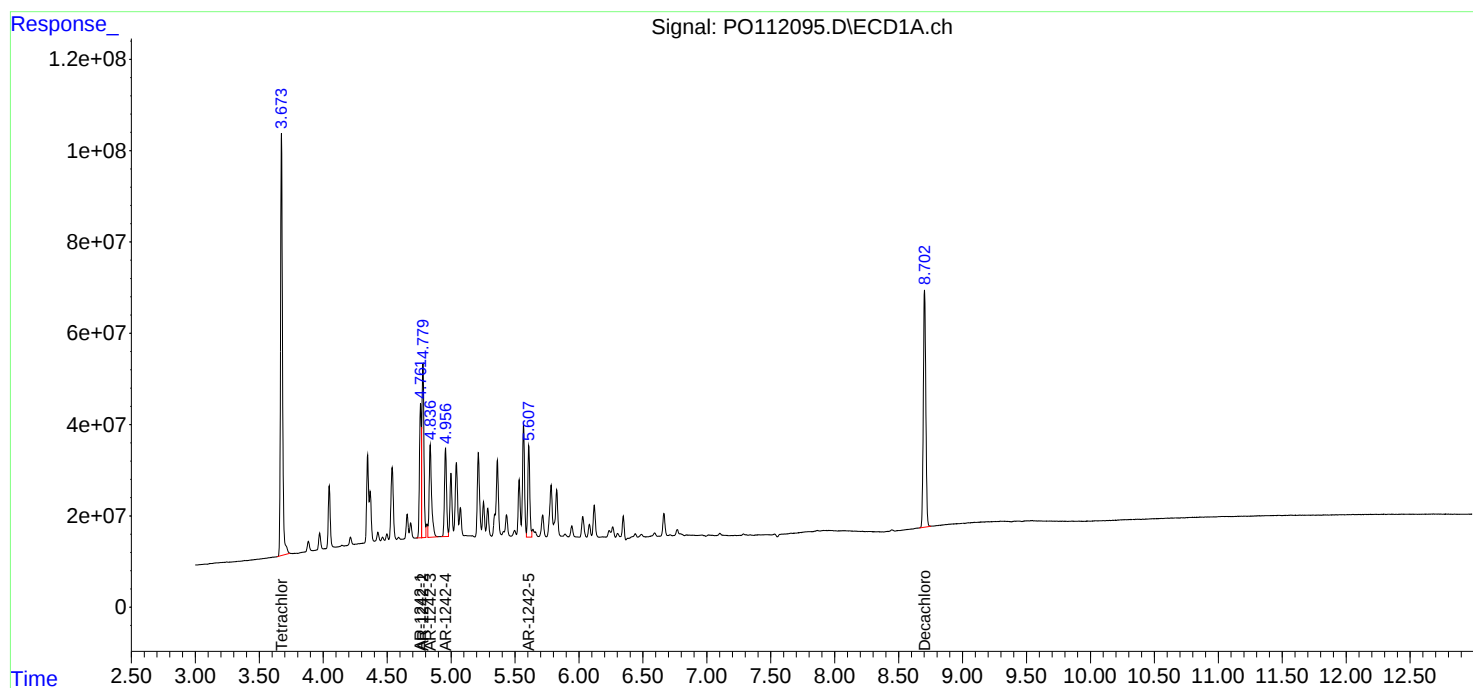
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 16:15
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112096.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 16:34
 Operator : YP/AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:30:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:27:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.673	3.666	806.4E6	515.4E6	76.520	76.575
2) SA Decachlor...	8.704	8.650	536.1E6	132.4E6	74.848	73.593
Target Compounds						
16) L4 AR-1242-1	4.761	4.743	229.3E6	145.7E6	757.886	742.820
17) L4 AR-1242-2	4.780	4.761	338.7E6	214.4E6	753.331	742.460
18) L4 AR-1242-3	4.837	4.936	213.9E6	112.4E6	744.270	749.423
19) L4 AR-1242-4	4.956	5.021	174.1E6	106.9E6	751.378	744.191
20) L4 AR-1242-5	5.608	5.540	174.3E6	136.6E6	776.440	729.978

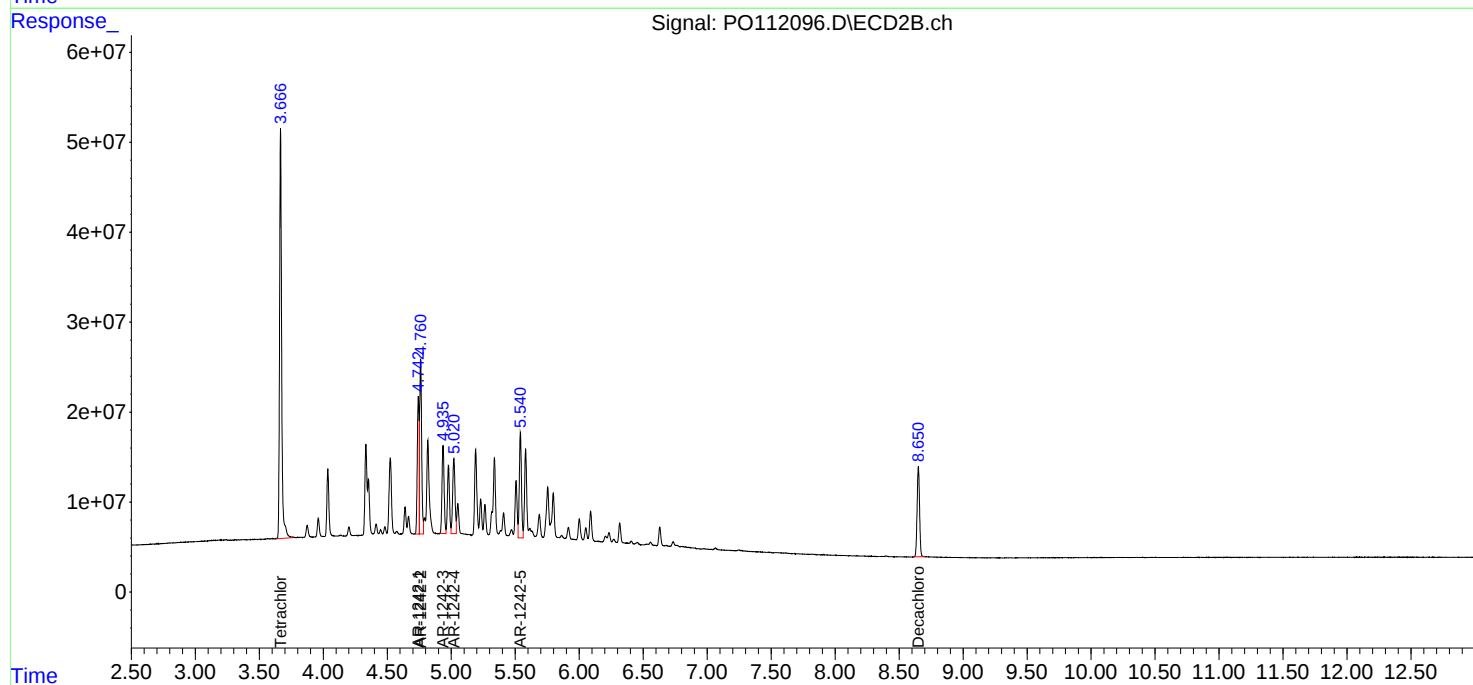
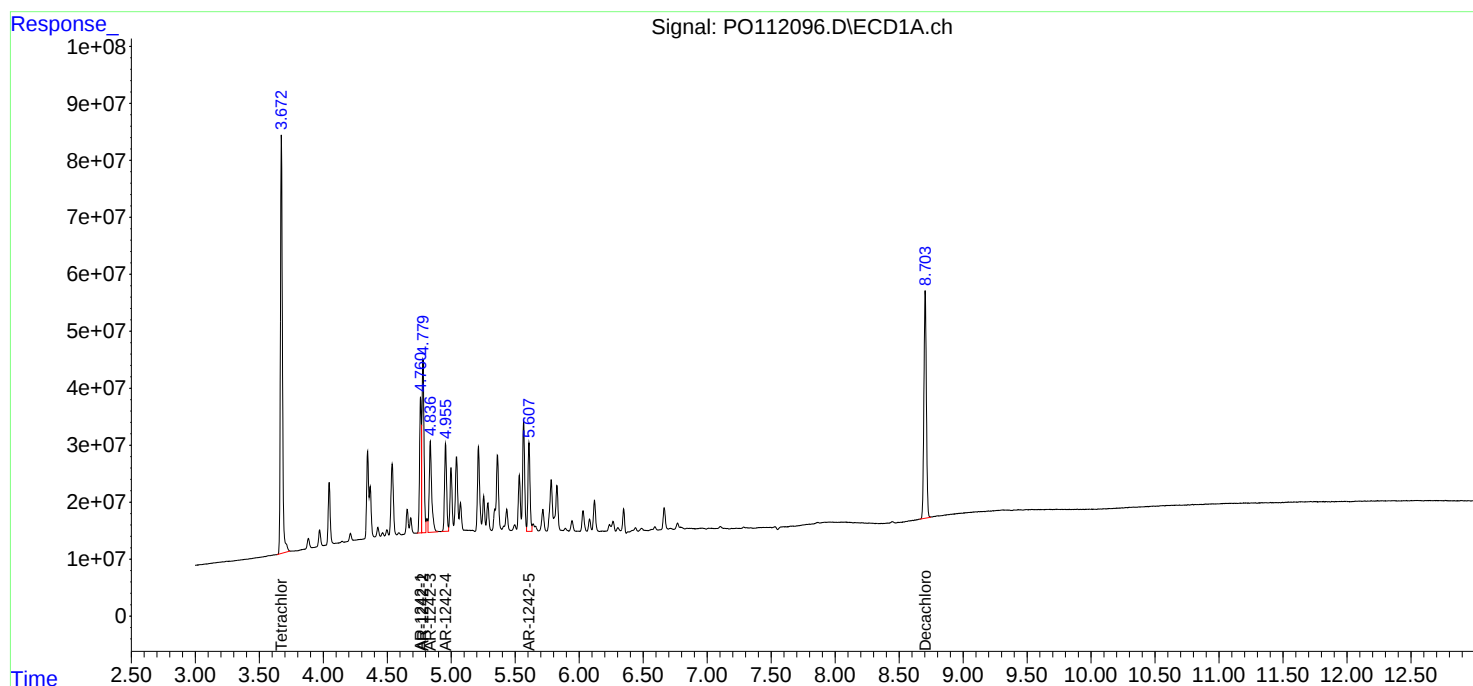
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 16:34
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:30:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112097.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 16:52
 Operator : YP/AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:30:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:27:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.672	3.666	526.9E6	336.5E6	50.000	50.000
2) SA Decachlor...	8.703	8.650	358.1E6	89986417	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	4.760	4.742	151.3E6	98077221	500.000	500.000
17) L4 AR-1242-2	4.778	4.760	224.8E6	144.4E6	500.000	500.000
18) L4 AR-1242-3	4.835	4.936	143.7E6	75006072	500.000	500.000
19) L4 AR-1242-4	4.955	5.020	115.9E6	71812102	500.000	500.000
20) L4 AR-1242-5	5.607	5.540	112.3E6	93535709	500.000	500.000

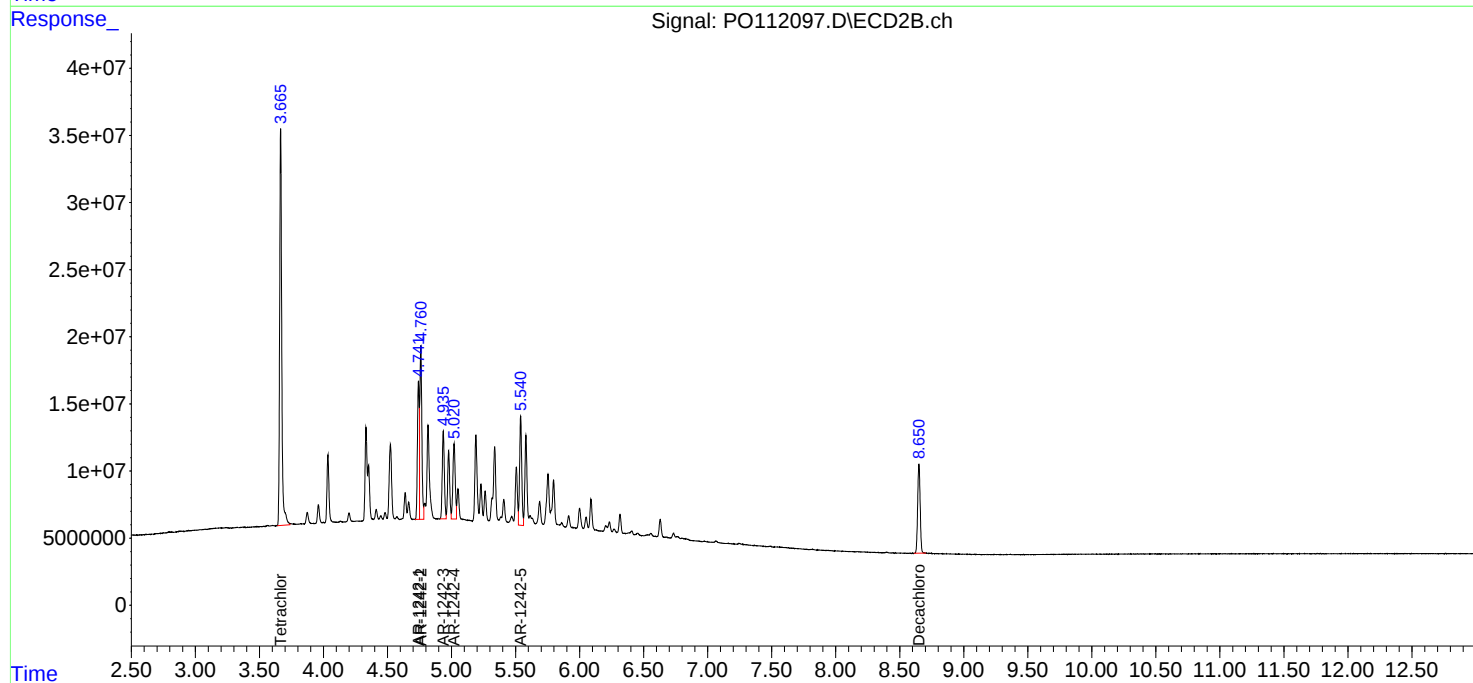
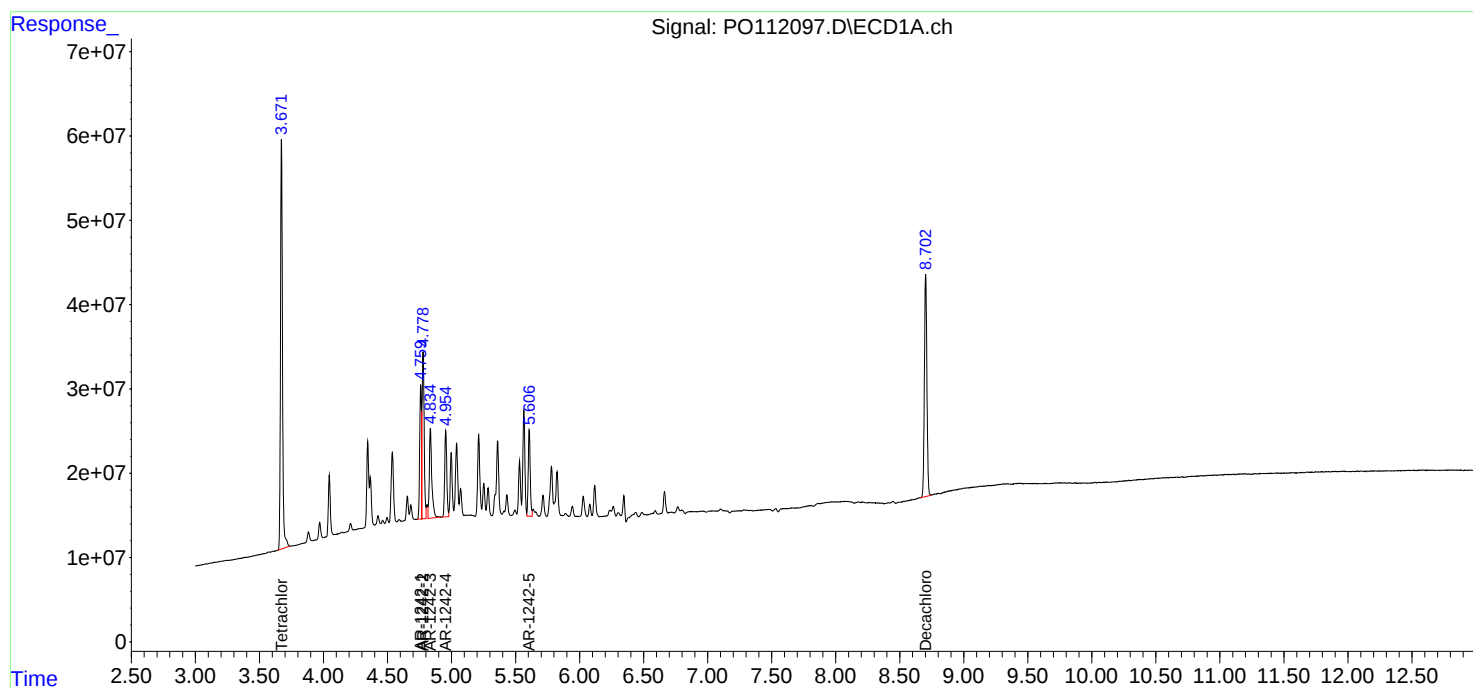
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112097.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 16:52
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:30:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112098.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 17:11
 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: Jul 09 02:31:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:27:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.674	3.667	263.1E6	169.2E6	24.966	25.134
2) SA Decachlor...	8.703	8.650	178.3E6	46660840	24.893	25.927
Target Compounds						
16) L4 AR-1242-1	4.761	4.744	75657146	51480221	250.034	262.447
17) L4 AR-1242-2	4.780	4.762	112.0E6	74327588	249.114	257.374
18) L4 AR-1242-3	4.837	4.937	72112951	38588282	250.935	257.234
19) L4 AR-1242-4	4.957	5.021	58094987	37459928	250.682	260.819
20) L4 AR-1242-5	5.608	5.541	57886671	49852424	257.821	266.489

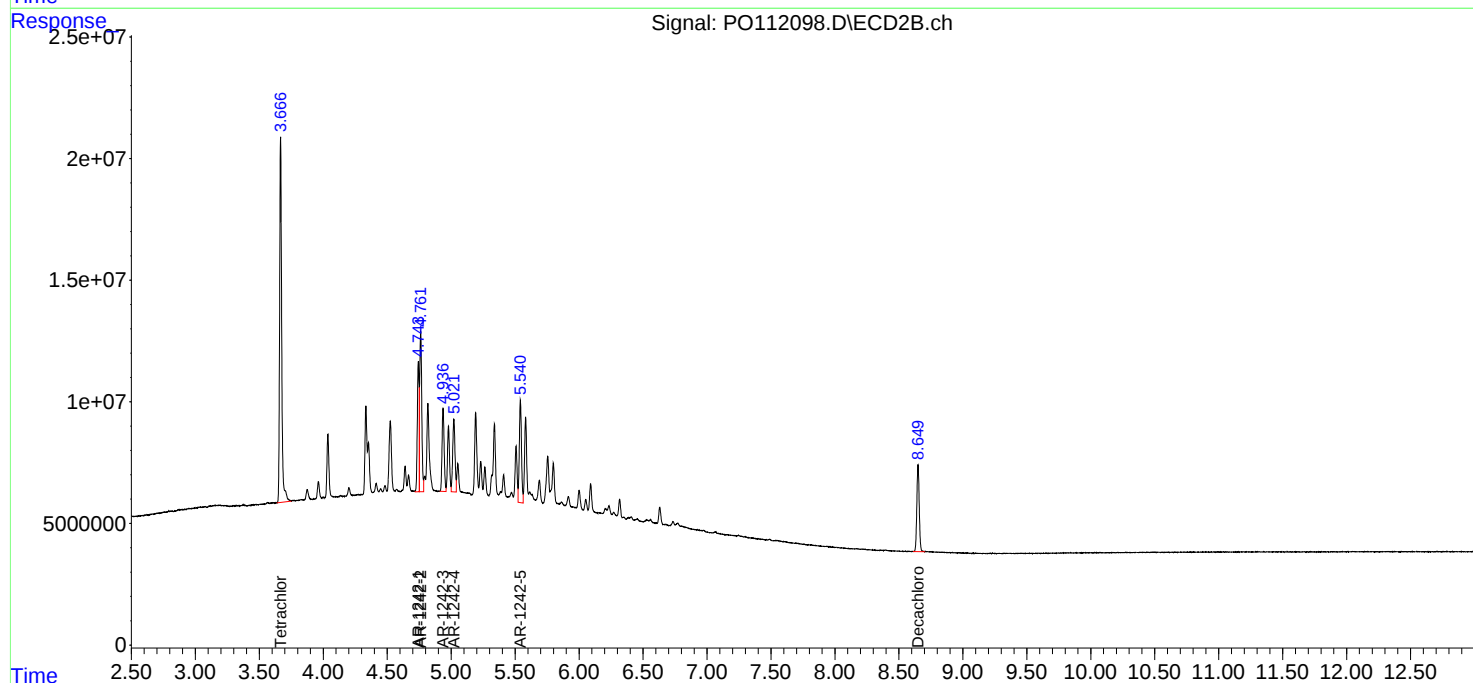
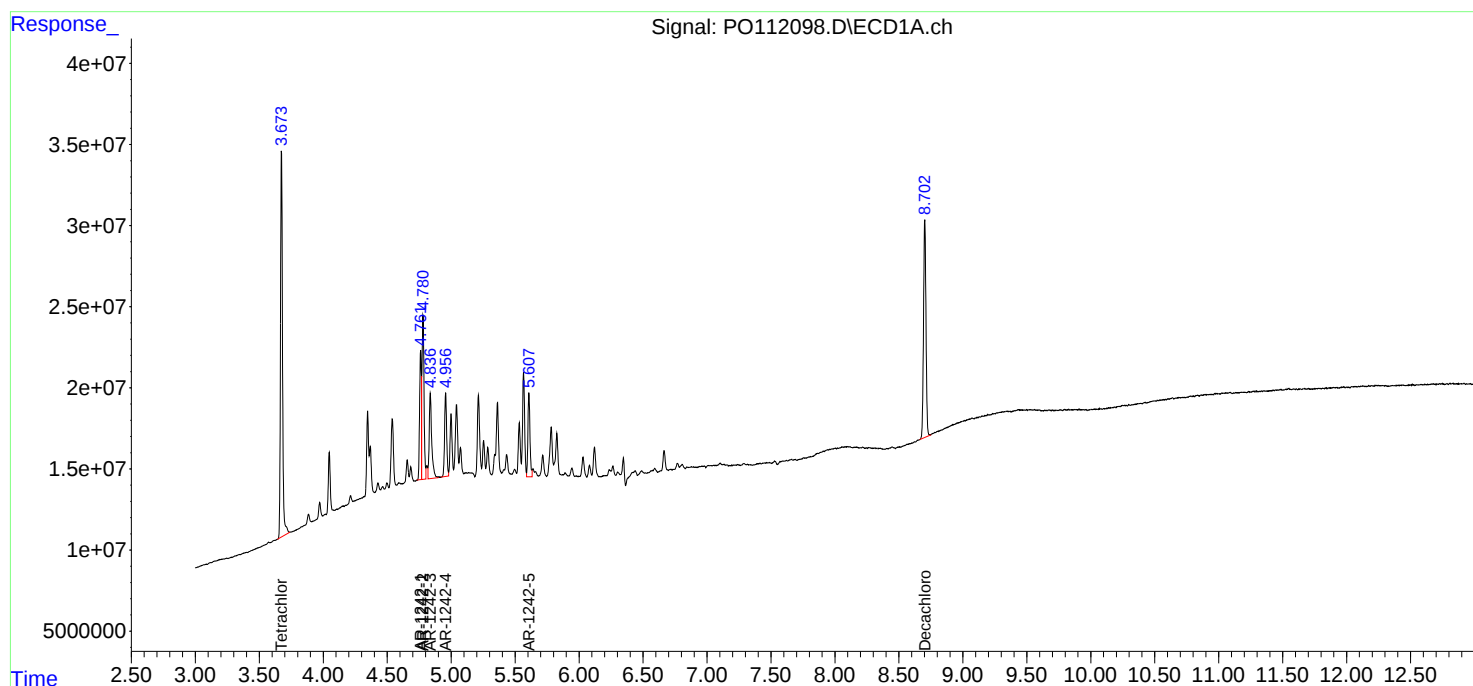
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112098.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 17:11
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: Jul 09 02:31:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112099.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 17:29
 Operator : YP/AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:31:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:27:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.673	3.666	42912716	27696407	4.072	4.115
2)	SA Decachlor...	8.704	8.650	28291682	78999910	3.950	4.390
Target Compounds							
16)	L4 AR-1242-1	4.761	4.743	12609363	9619088	41.672	49.038
17)	L4 AR-1242-2	4.780	4.761	17776215	13881256	39.541	48.067
18)	L4 AR-1242-3	4.837	4.937	12004480	6736786	41.773	44.908
19)	L4 AR-1242-4	4.957	5.021	10638220	7029005	45.904	48.940
20)	L4 AR-1242-5	5.608	5.541	7571568	8542753	33.723m	45.666m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112099.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 17:29
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

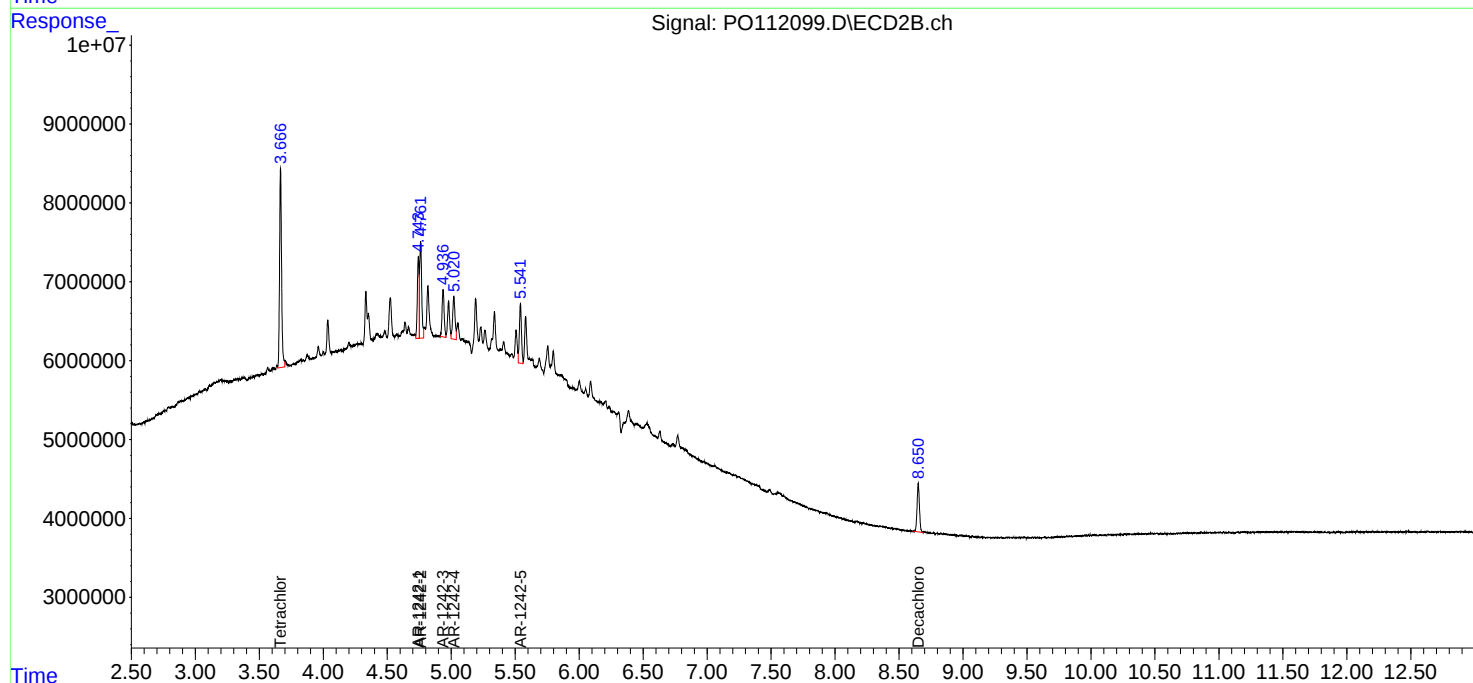
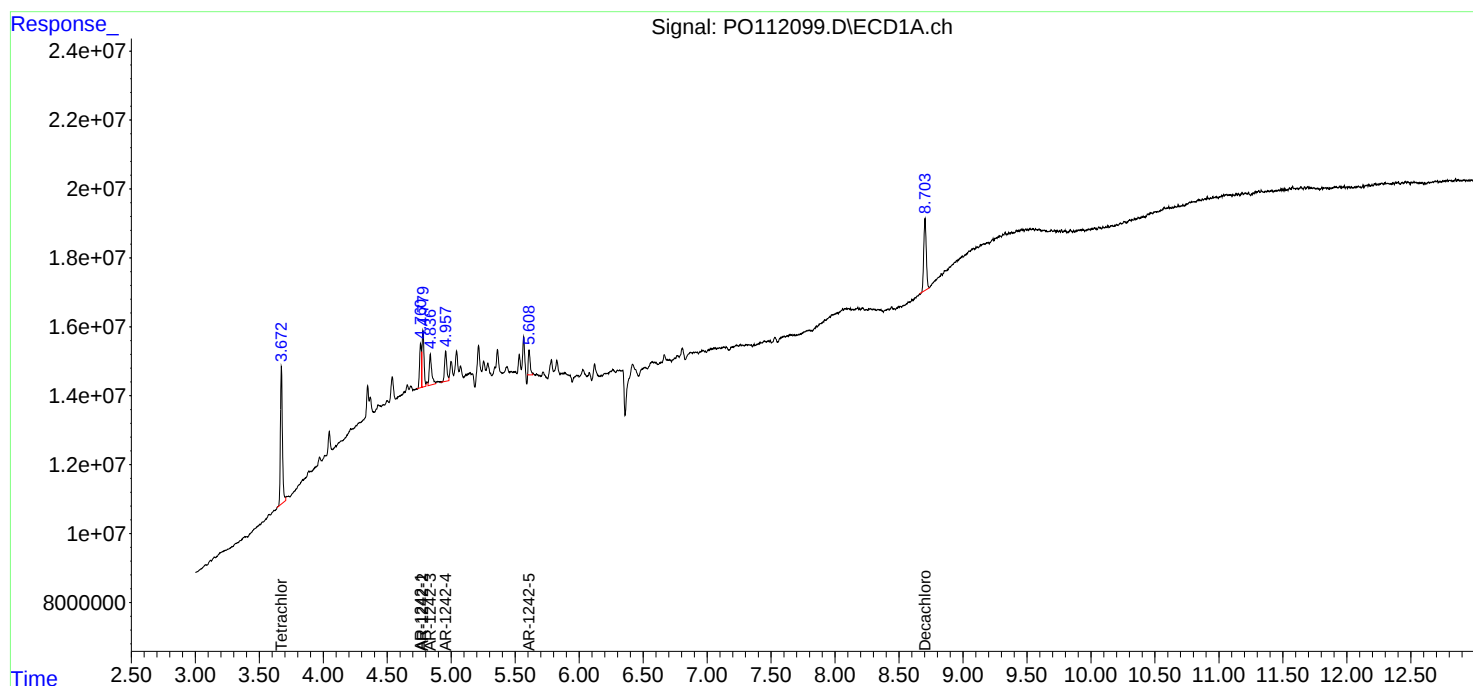
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:31:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112100.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 17:48
 Operator : YP/AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:45:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:41:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.672	3.666	1096.6E6	692.2E6	104.113	104.038
2) SA Decachlor...	8.704	8.650	716.5E6	174.1E6	98.706	94.881
Target Compounds						
21) L5 AR-1248-1	4.760	4.743	231.9E6	148.4E6	1018.654	991.552
22) L5 AR-1248-2	4.999	4.978	312.2E6	200.2E6	1016.179	985.440
23) L5 AR-1248-3	5.213	5.020	394.9E6	210.9E6	1005.052	990.919
24) L5 AR-1248-4	5.566	5.190	577.1E6	249.5E6	1002.758	984.112
25) L5 AR-1248-5	5.607	5.581	391.1E6	244.4E6	1001.154	973.721

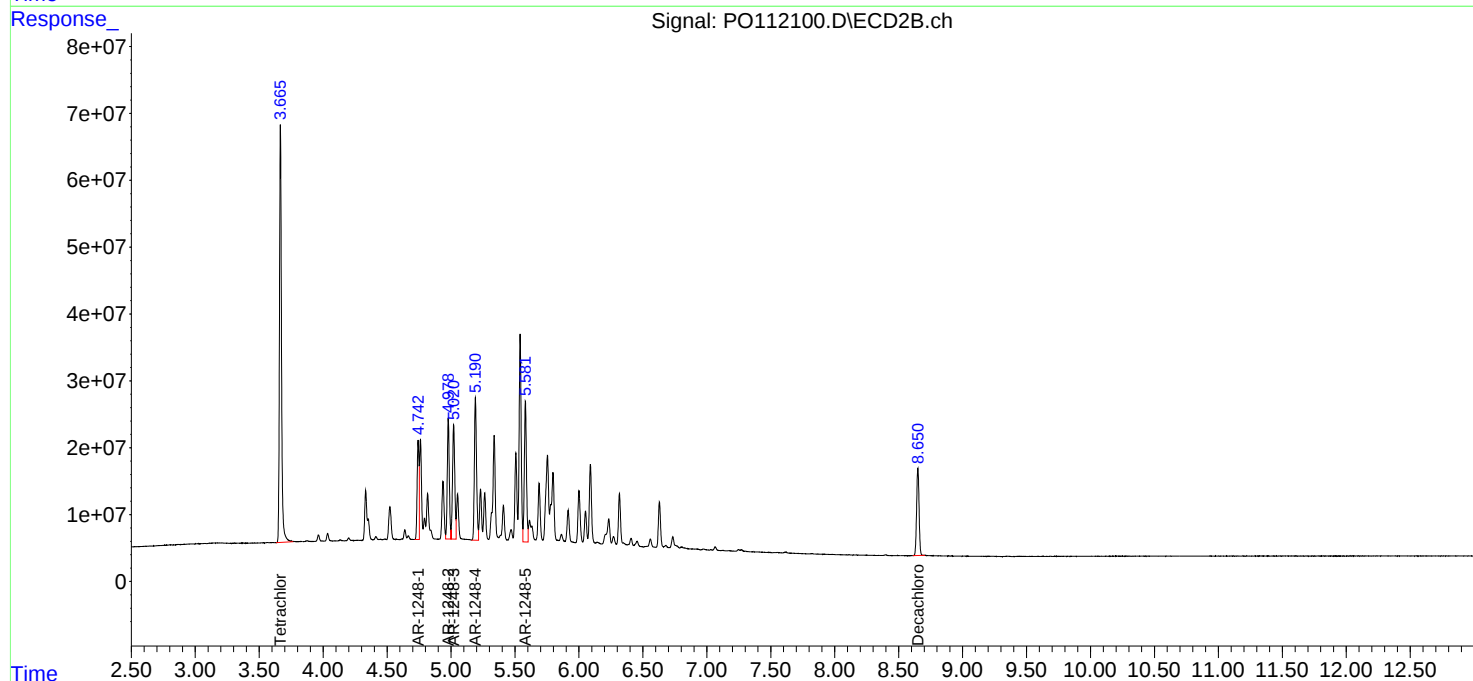
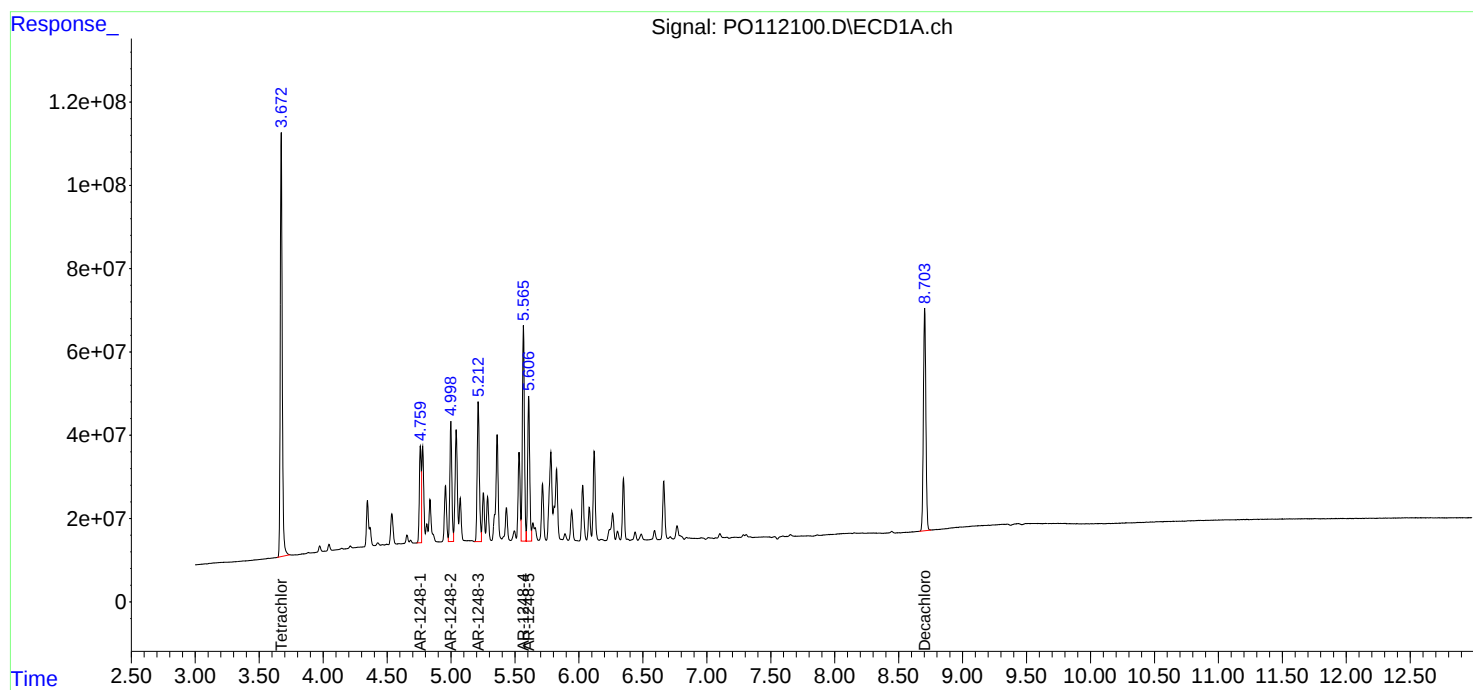
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 17:48
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:45:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:41:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112101.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 18:05
 Operator : YP/AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:45:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:41:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.671	3.666	800.2E6	504.2E6	75.968	75.785
2) SA Decachlor...	8.700	8.649	537.9E6	133.0E6	74.111	72.476
Target Compounds						
21) L5 AR-1248-1	4.758	4.742	170.5E6	110.1E6	748.923	735.697
22) L5 AR-1248-2	4.996	4.978	229.4E6	148.7E6	746.494	731.979
23) L5 AR-1248-3	5.211	5.020	293.7E6	156.3E6	747.424	734.330
24) L5 AR-1248-4	5.564	5.190	429.4E6	184.7E6	746.110	728.503
25) L5 AR-1248-5	5.605	5.580	293.6E6	182.5E6	751.479	727.317

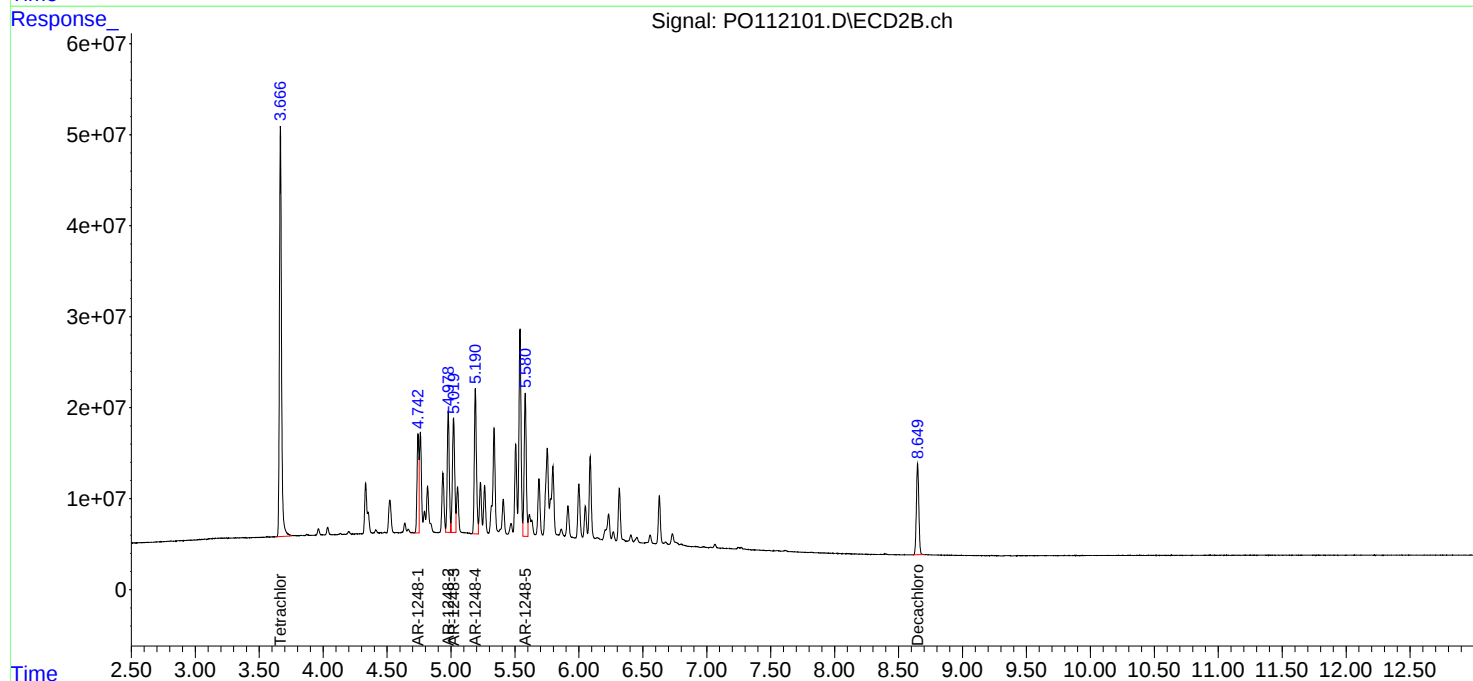
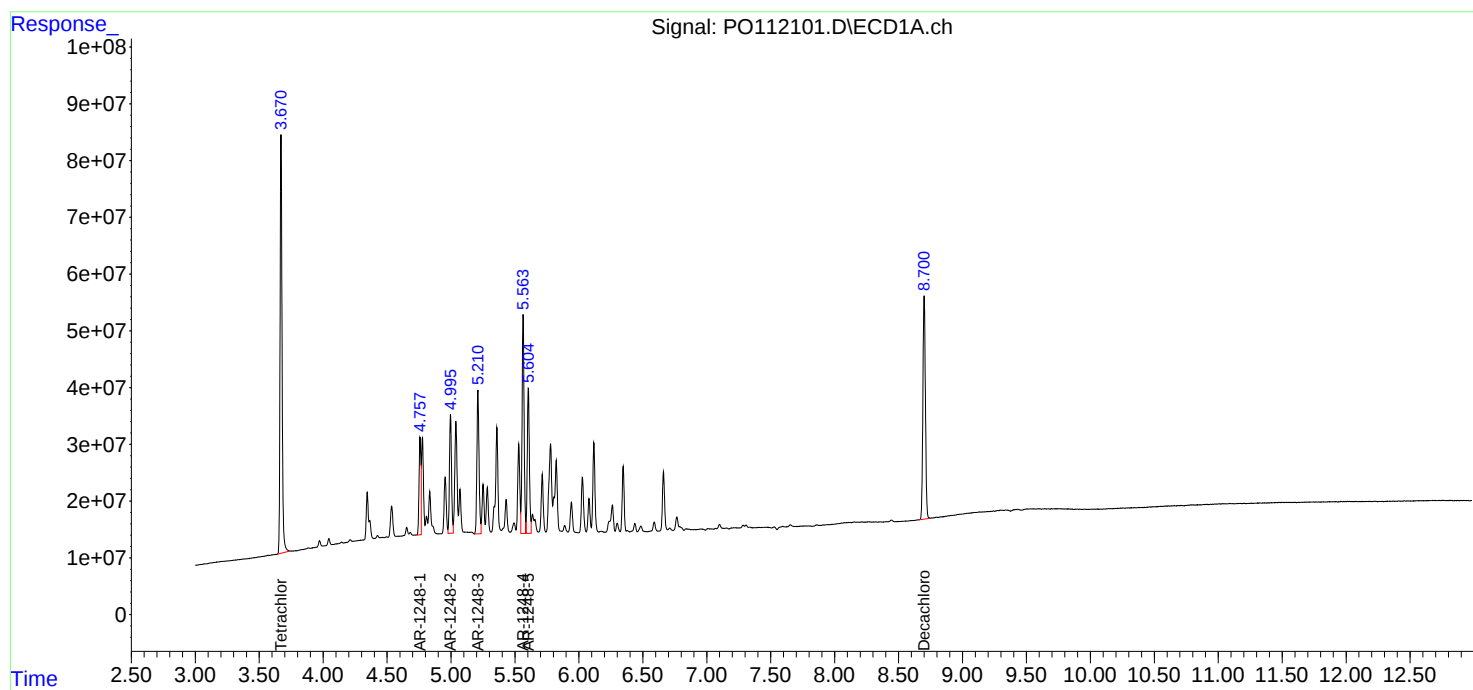
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112101.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 18:05
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:45:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:41:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112102.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 18:24
 Operator : YP/AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:45:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:41:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.674	3.667	526.7E6	332.7E6	50.000	50.000
2) SA Decachlor...	8.702	8.650	362.9E6	91746330	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.761	4.744	113.8E6	74818775	500.000	500.000
22) L5 AR-1248-2	5.000	4.980	153.6E6	101.6E6	500.000	500.000
23) L5 AR-1248-3	5.214	5.021	196.5E6	106.4E6	500.000	500.000
24) L5 AR-1248-4	5.568	5.192	287.8E6	126.8E6	500.000	500.000
25) L5 AR-1248-5	5.609	5.582	195.3E6	125.5E6	500.000	500.000

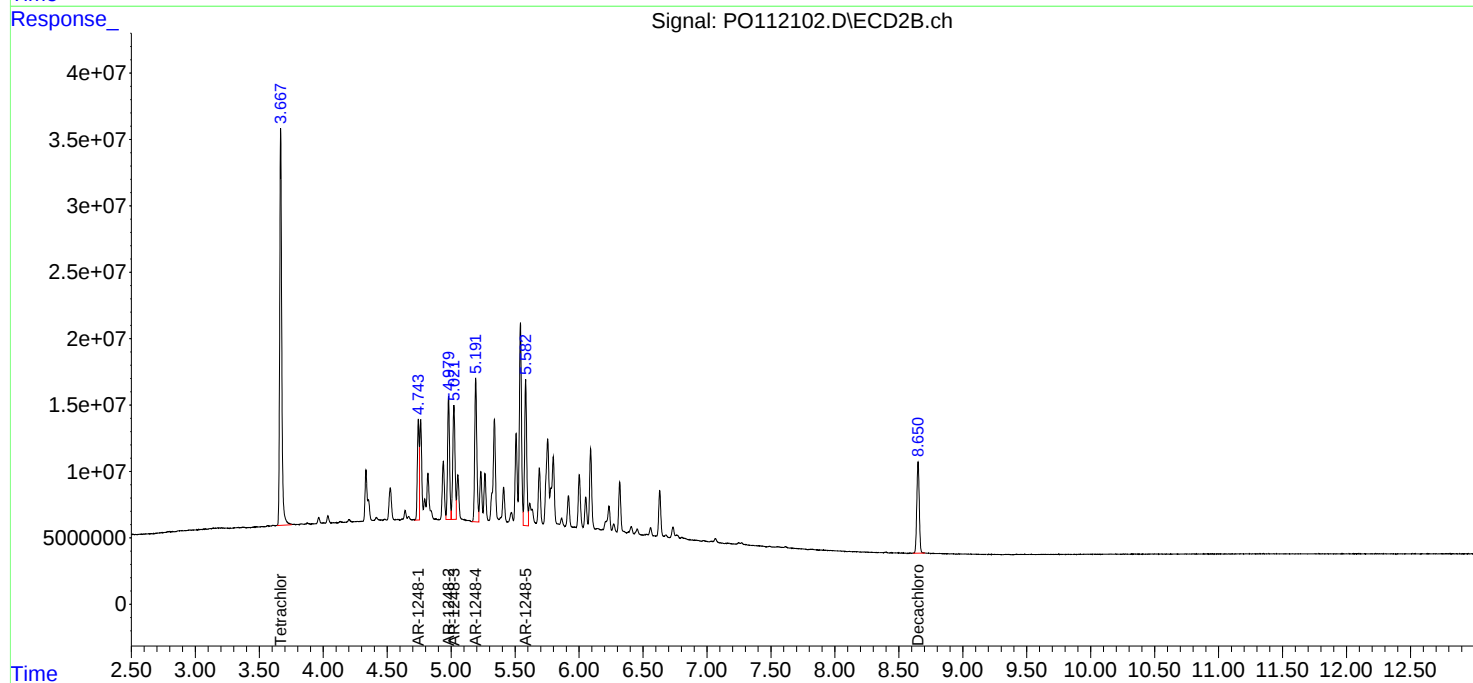
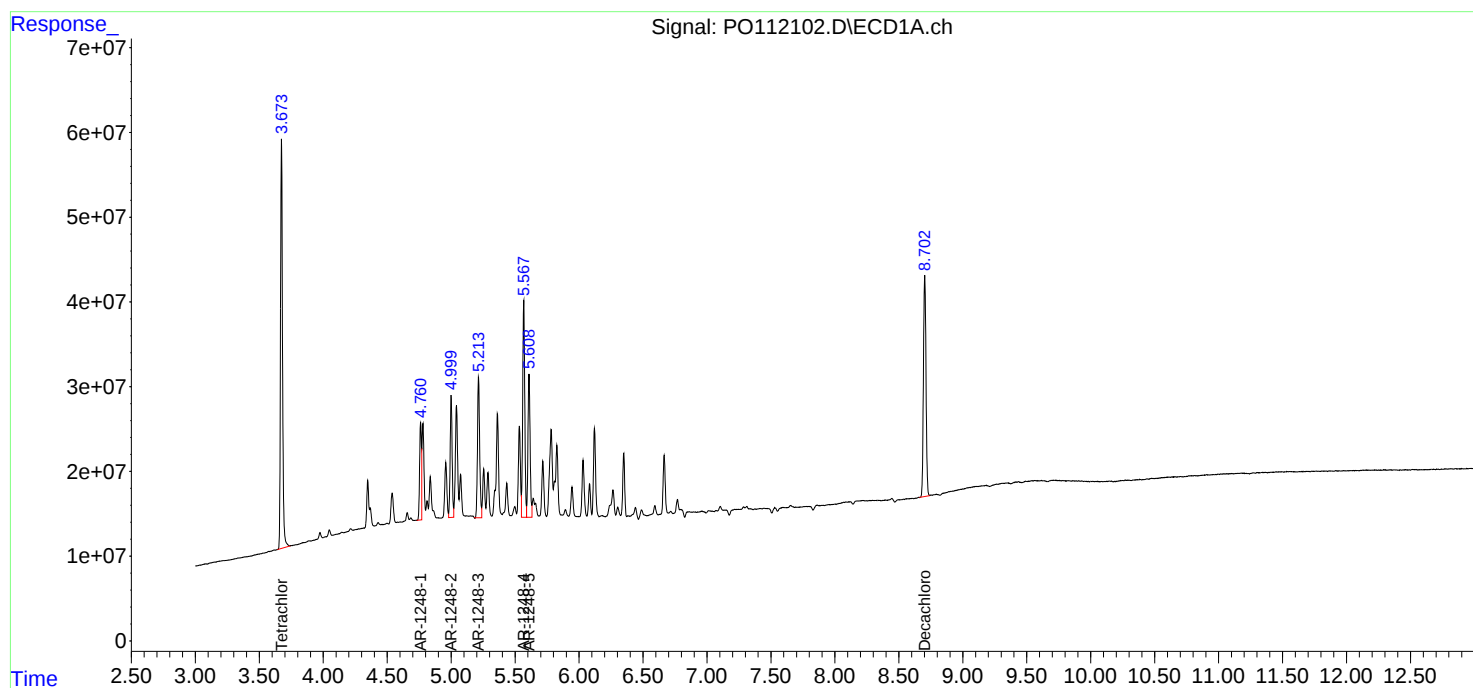
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112102.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 18:24
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:45:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:41:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112103.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 18:41
 Operator : YP/AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:45:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:41:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.671	3.666	291.9E6	186.4E6	27.709	28.020
2) SA Decachlor...	8.702	8.649	189.2E6	49988120	26.067	27.243
Target Compounds						
21) L5 AR-1248-1	4.759	4.742	62843351	43399528	276.083	290.031
22) L5 AR-1248-2	4.997	4.978	87401333	57560333	284.458	283.377
23) L5 AR-1248-3	5.211	5.020	114.9E6	60695146	292.428	285.244
24) L5 AR-1248-4	5.565	5.190	153.8E6	74439996	267.224	293.627
25) L5 AR-1248-5	5.606	5.581	108.9E6	74875919	278.783	298.326

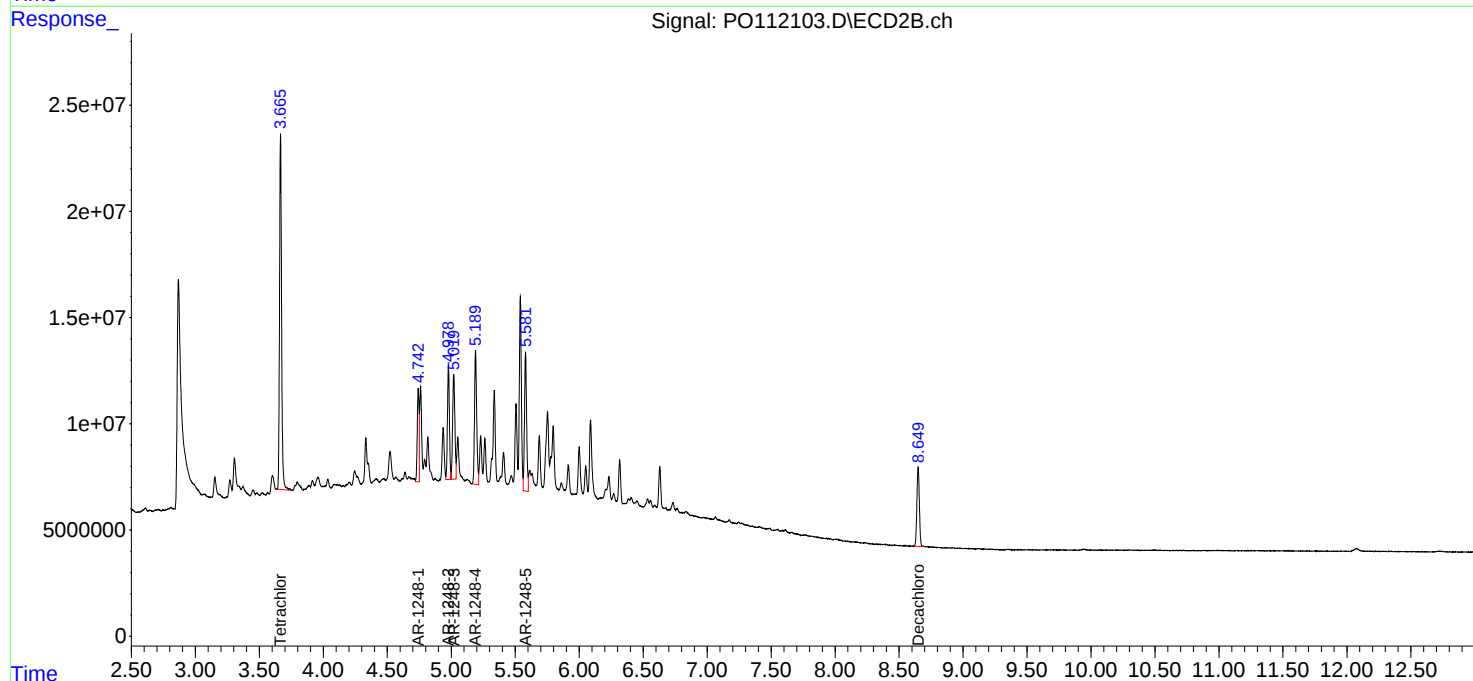
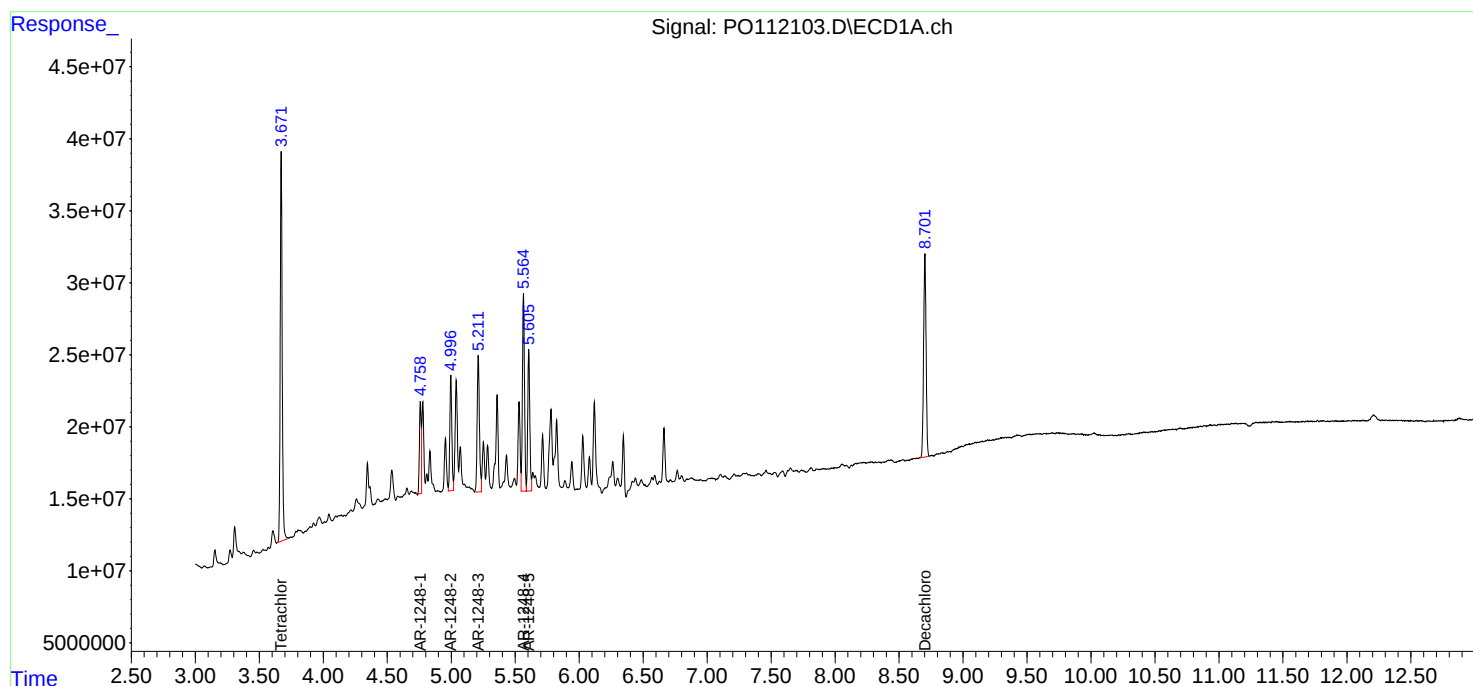
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
Data File : P0112103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 18:41
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:45:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:41:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112104.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 18:59
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 02:45:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 02:41:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.673	3.666	43320523	27979420	4.113	4.205
2) SA Decachlor...	8.703	8.650	29248819	7966074	4.030	4.341
Target Compounds						
21) L5 AR-1248-1	4.761	4.742	9816500	7672405	43.126	51.273
22) L5 AR-1248-2	4.999	4.979	13335961	9853335	43.403	48.509
23) L5 AR-1248-3	5.213	5.020	19880304	9961976	50.597	46.817
24) L5 AR-1248-4	5.567	5.191	27262638	12330568	47.367	48.638m
25) L5 AR-1248-5	5.608	5.581	17126268	10723520	43.835	42.725m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 18:59
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

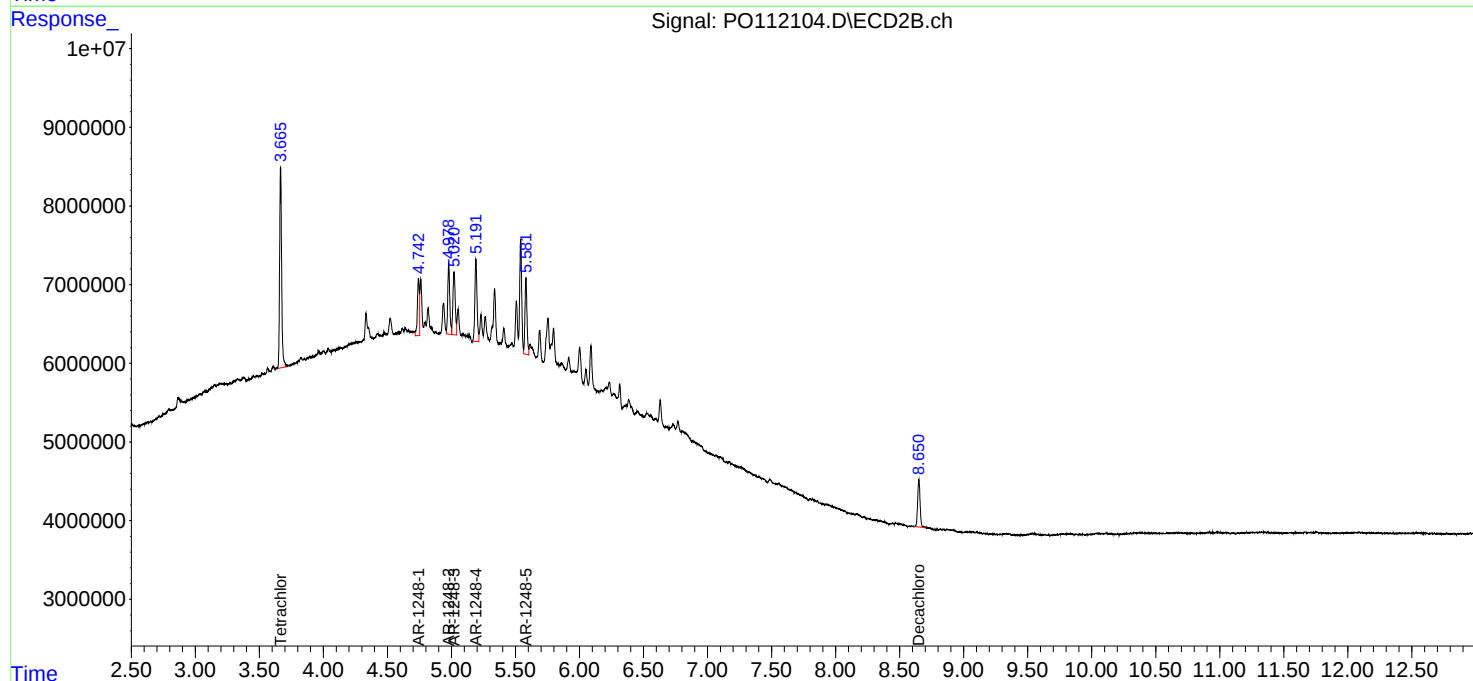
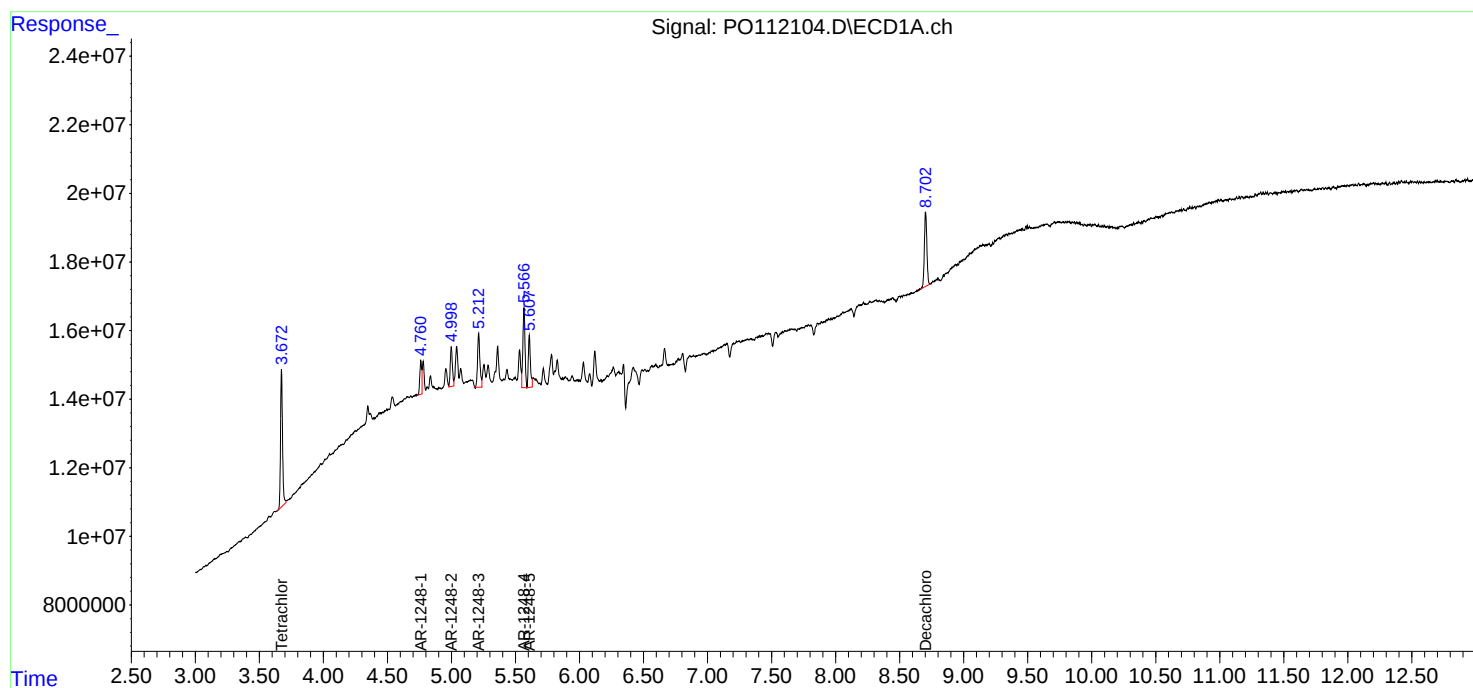
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 02:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 02:41:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112105.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 19:18
 Operator : YP/AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:13:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:10:24 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...	3.674	3.666	1081.7E6	681.3E6	100.629	100.324
2) SA Decachlor...	8.704	8.651	731.3E6	176.2E6	97.187	95.129
Target Compounds						
26) L6 AR-1254-1	5.567	5.542	596.4E6	358.7E6	968.859	952.427
27) L6 AR-1254-2	5.716	5.689	526.6E6	309.3E6	978.251	948.939
28) L6 AR-1254-3	6.120	6.090	832.4E6	457.0E6	985.524	970.955
29) L6 AR-1254-4	6.349	6.317	488.3E6	242.7E6	924.821	917.706
30) L6 AR-1254-5	6.769	6.735	772.8E6	340.9E6	976.309	957.333

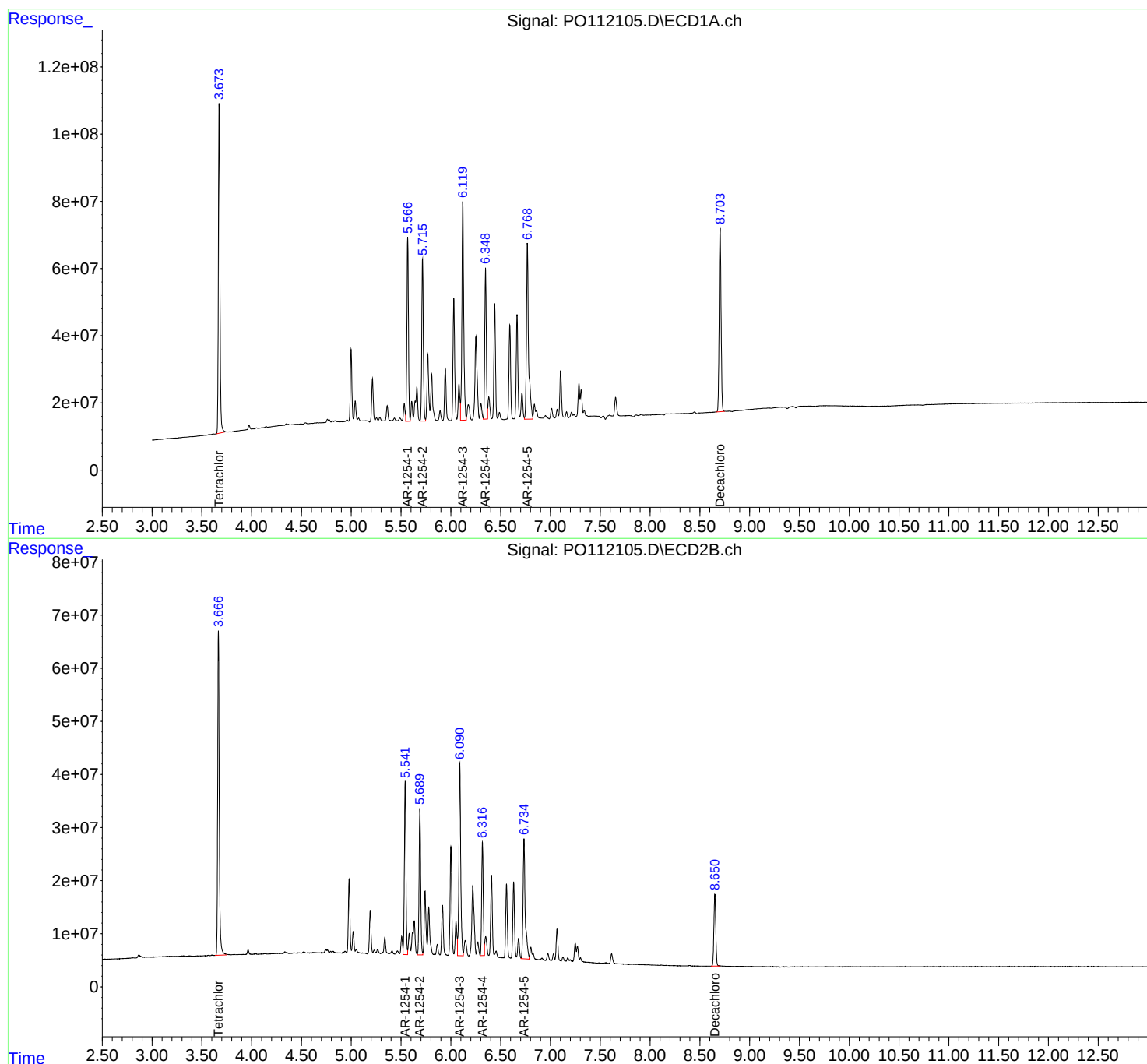
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 19:18
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:13:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:10:24 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_O\Data\P0070825\
 Data File : P0112106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 19:35
 Operator : YP/AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:13:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:10:24 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...	3.671	3.666	822.8E6	521.0E6	76.536	76.717
2) SA Decachlor...	8.701	8.649	552.3E6	135.1E6	73.395	72.926
Target Compounds						
26) L6 AR-1254-1	5.564	5.541	461.5E6	279.3E6	749.690	741.534
27) L6 AR-1254-2	5.714	5.689	406.1E6	238.9E6	754.357	732.842
28) L6 AR-1254-3	6.118	6.090	636.3E6	355.1E6	753.353	754.409
29) L6 AR-1254-4	6.347	6.317	412.9E6	198.3E6	782.017	749.977
30) L6 AR-1254-5	6.767	6.733	589.5E6	261.7E6	744.724	734.939

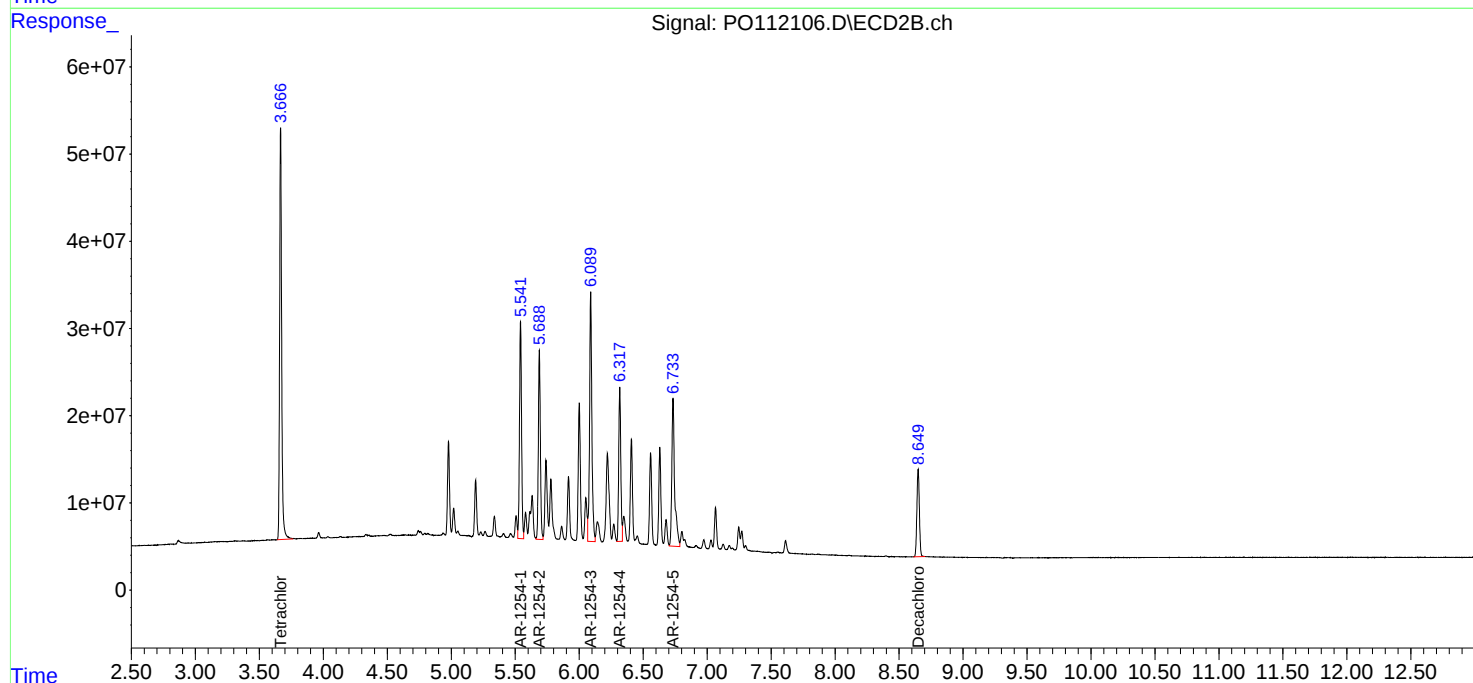
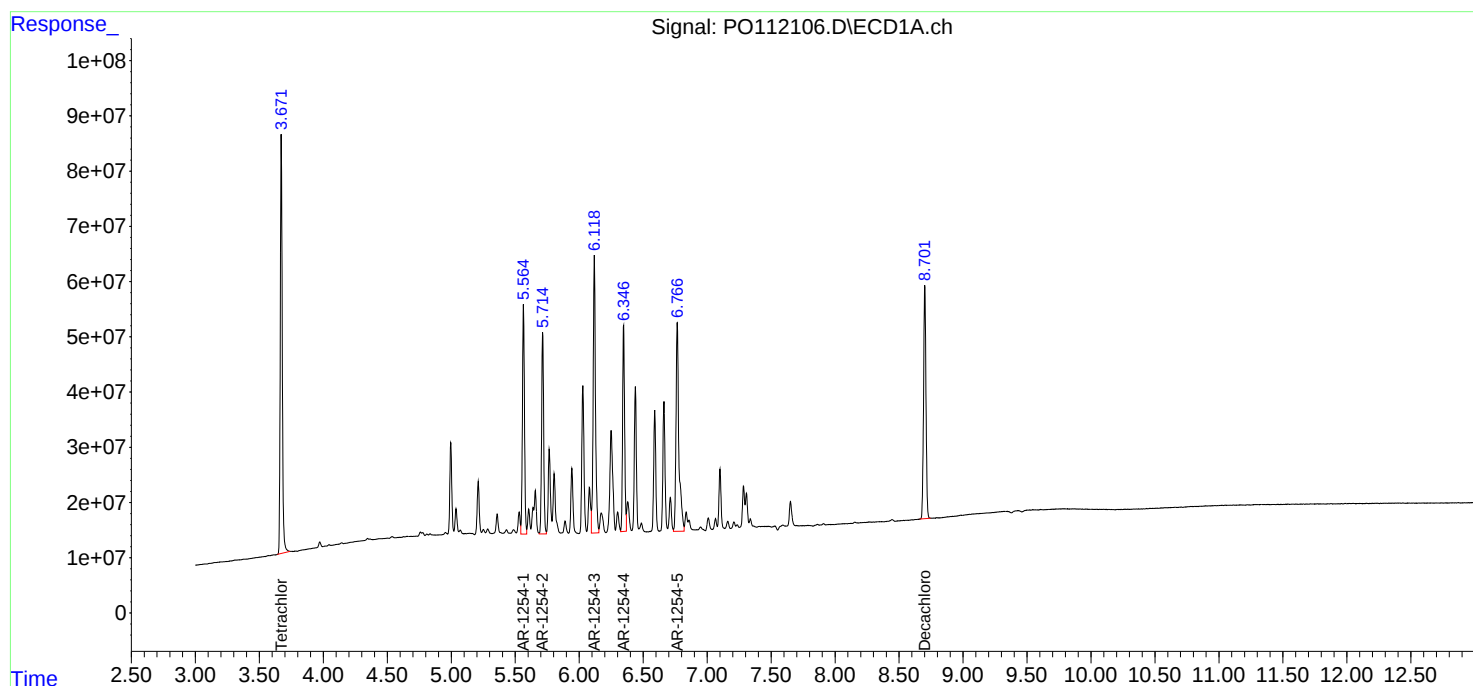
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 19:35
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:13:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:10:24 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_O\Data\P0070825\
 Data File : P0112107.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 19:54
 Operator : YP/AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:13:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:10:24 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...	3.673	3.666	537.5E6	339.5E6	50.000	50.000
2) SA Decachlor...	8.702	8.649	376.2E6	92613439	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.566	5.541	307.8E6	188.3E6	500.000	500.000
27) L6 AR-1254-2	5.715	5.689	269.2E6	163.0E6	500.000	500.000
28) L6 AR-1254-3	6.119	6.090	422.3E6	235.4E6	500.000	500.000
29) L6 AR-1254-4	6.348	6.317	264.0E6	132.2E6	500.000	500.000
30) L6 AR-1254-5	6.767	6.733	395.8E6	178.0E6	500.000	500.000

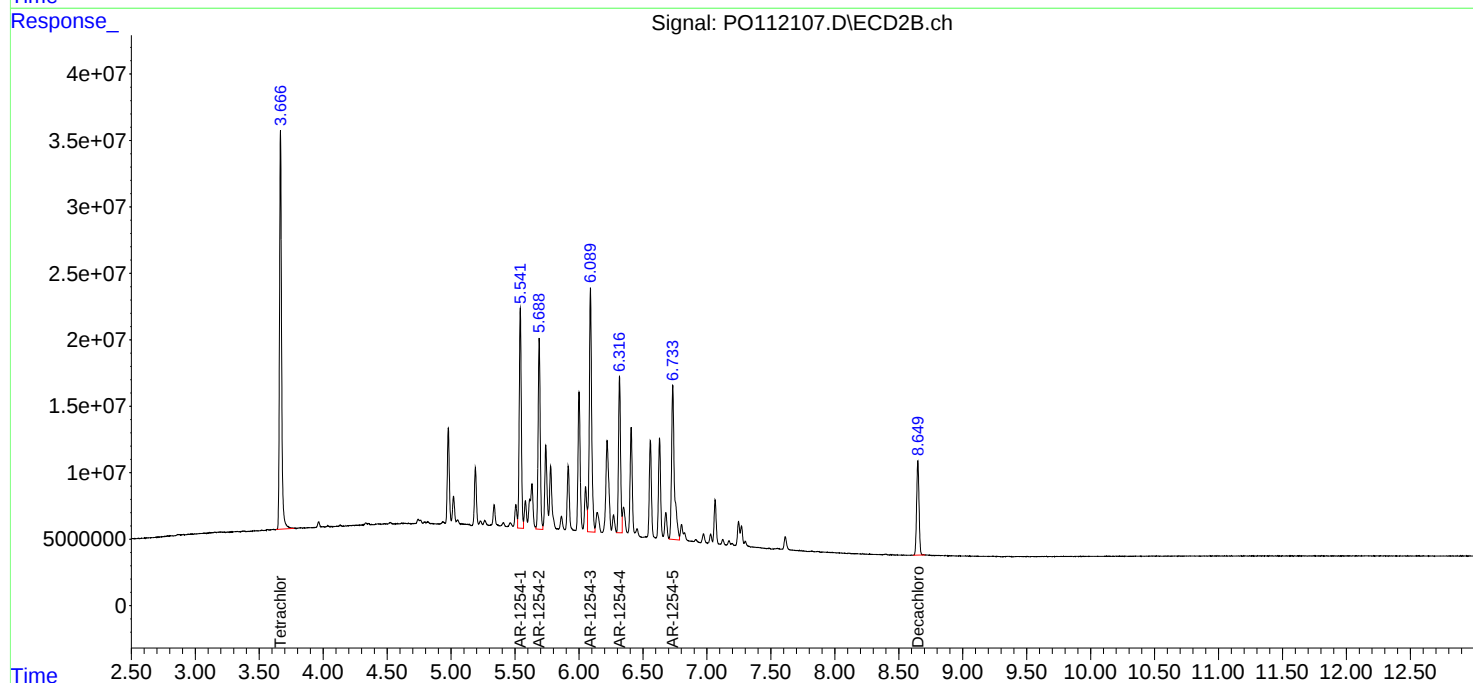
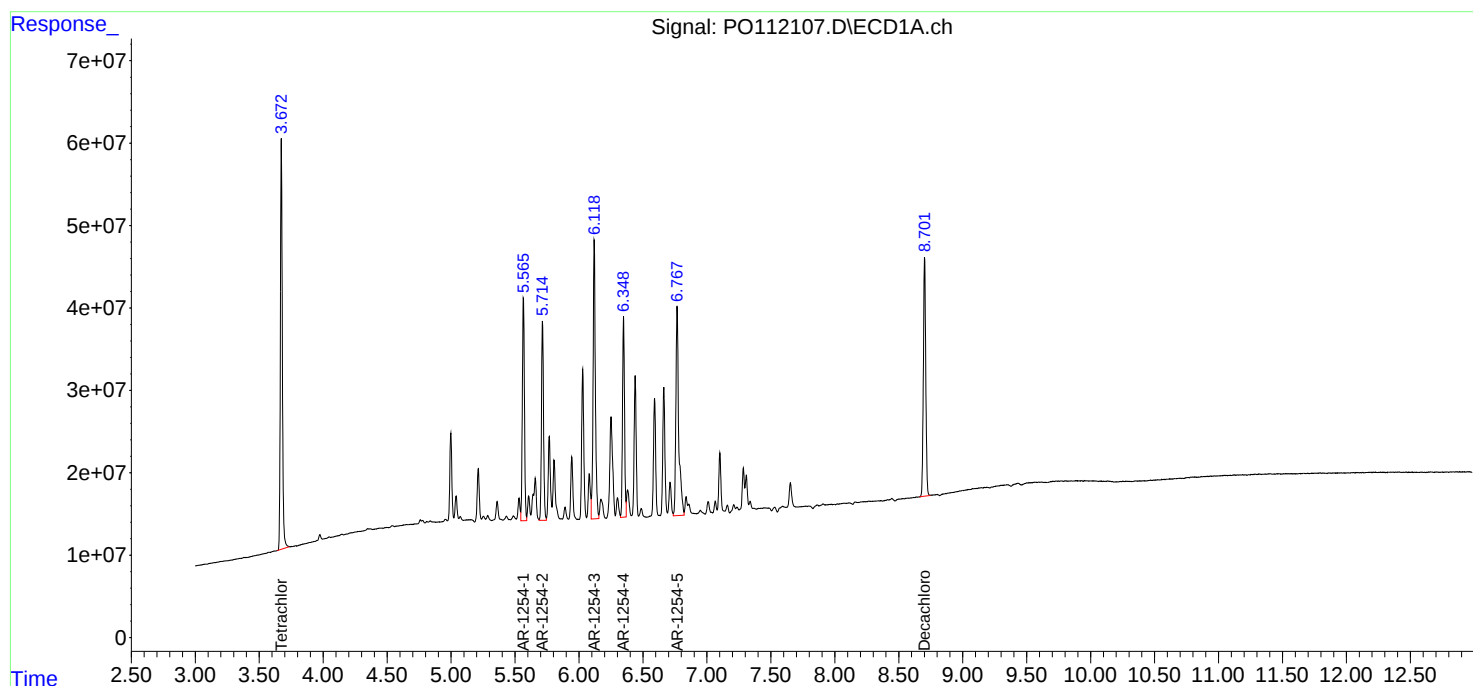
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 19:54
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:13:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:10:24 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_O\Data\P0070825\
 Data File : P0112108.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 20:11
 Operator : YP/AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:13:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:10:24 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...	3.672	3.666	272.9E6	171.8E6	25.384	25.306
2) SA Decachlor...	8.702	8.649	190.5E6	47874492	25.314	25.846
Target Compounds						
26) L6 AR-1254-1	5.565	5.541	157.8E6	101.2E6	256.353	268.788
27) L6 AR-1254-2	5.714	5.688	138.2E6	87586236	256.712	268.700
28) L6 AR-1254-3	6.117	6.089	215.5E6	124.2E6	255.127	263.865
29) L6 AR-1254-4	6.346	6.317	128.5E6	68432623	243.355	258.758
30) L6 AR-1254-5	6.766	6.733	201.3E6	93511862	254.294	262.638

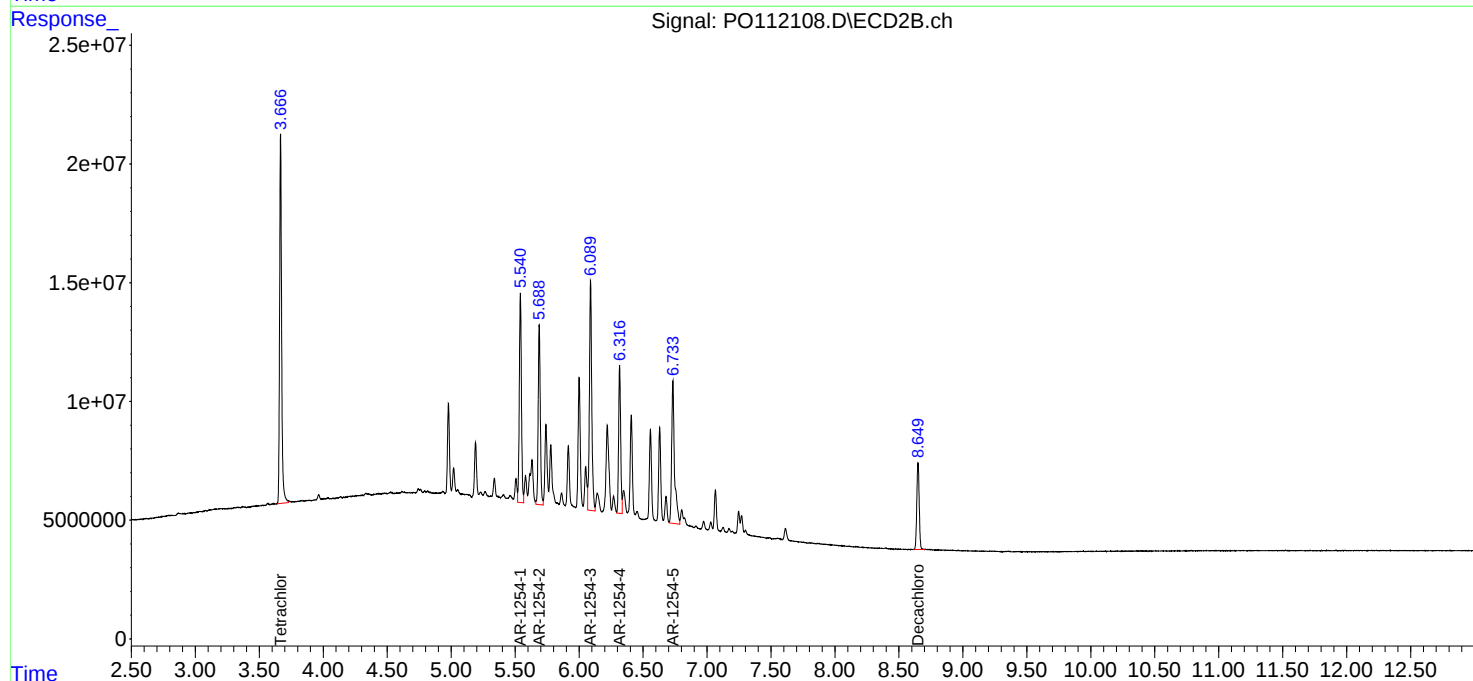
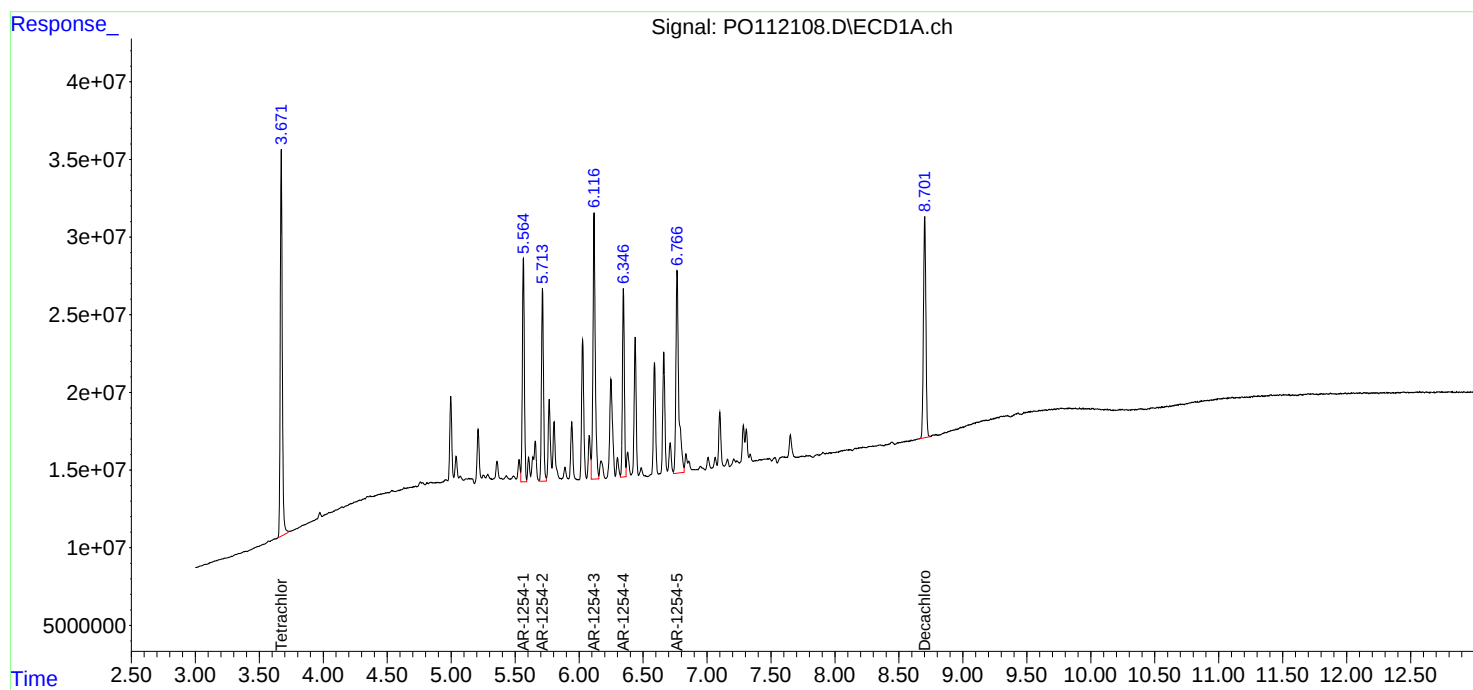
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 20:11
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:13:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:10:24 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_0\Data\P0070825\
 Data File : P0112109.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 20:28
 Operator : YP/AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:13:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:10:24 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...	3.672	3.666	45533046	29689581	4.236	4.372
2) SA Decachlor...	8.701	8.650	32557073	8527820	4.327	4.604
Target Compounds						
26) L6 AR-1254-1	5.565	5.540	30856160	19661689	50.127	52.206m
27) L6 AR-1254-2	5.714	5.688	25962033	17746073	48.227	54.442m
28) L6 AR-1254-3	6.118	6.089	40531096	25609316	47.989	54.406
29) L6 AR-1254-4	6.345	6.316	16204940	12905837	30.688m	48.800 #
30) L6 AR-1254-5	6.765	6.733	35718880	18096474	45.127	50.826

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 20:28
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

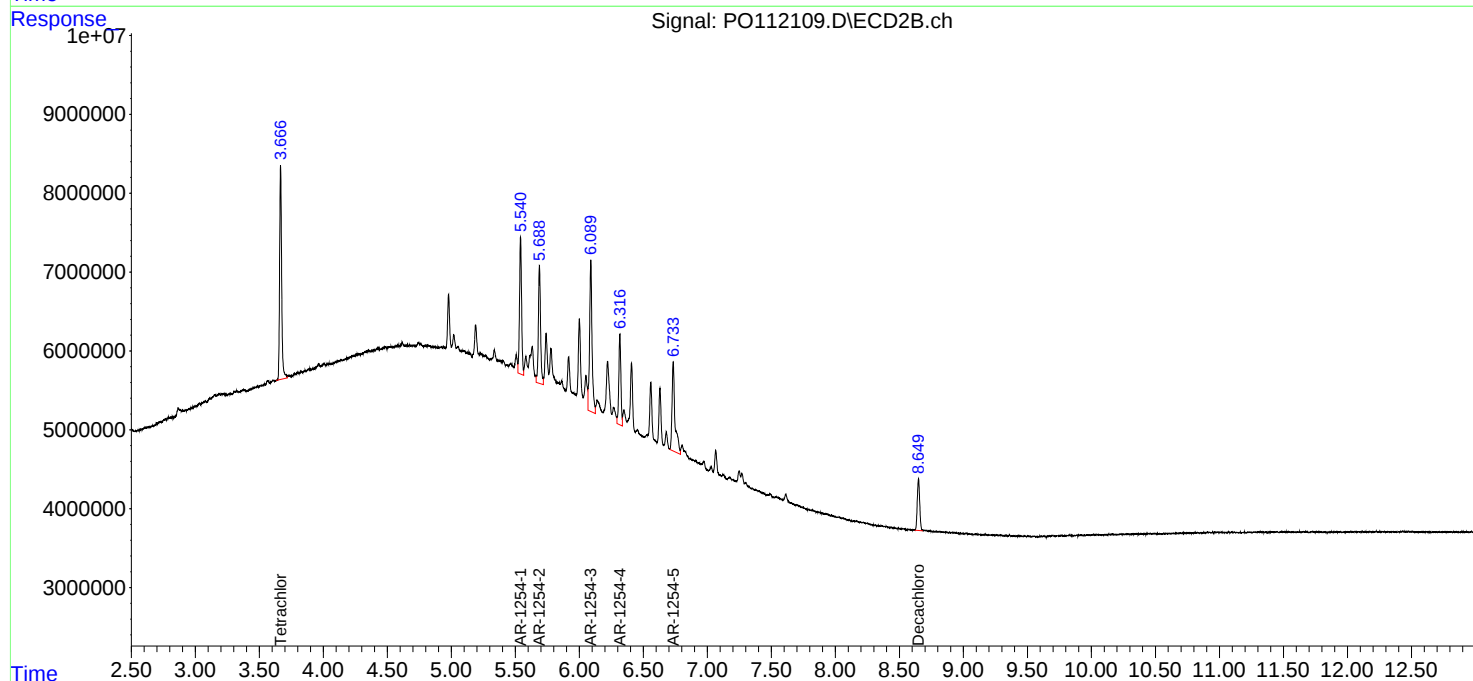
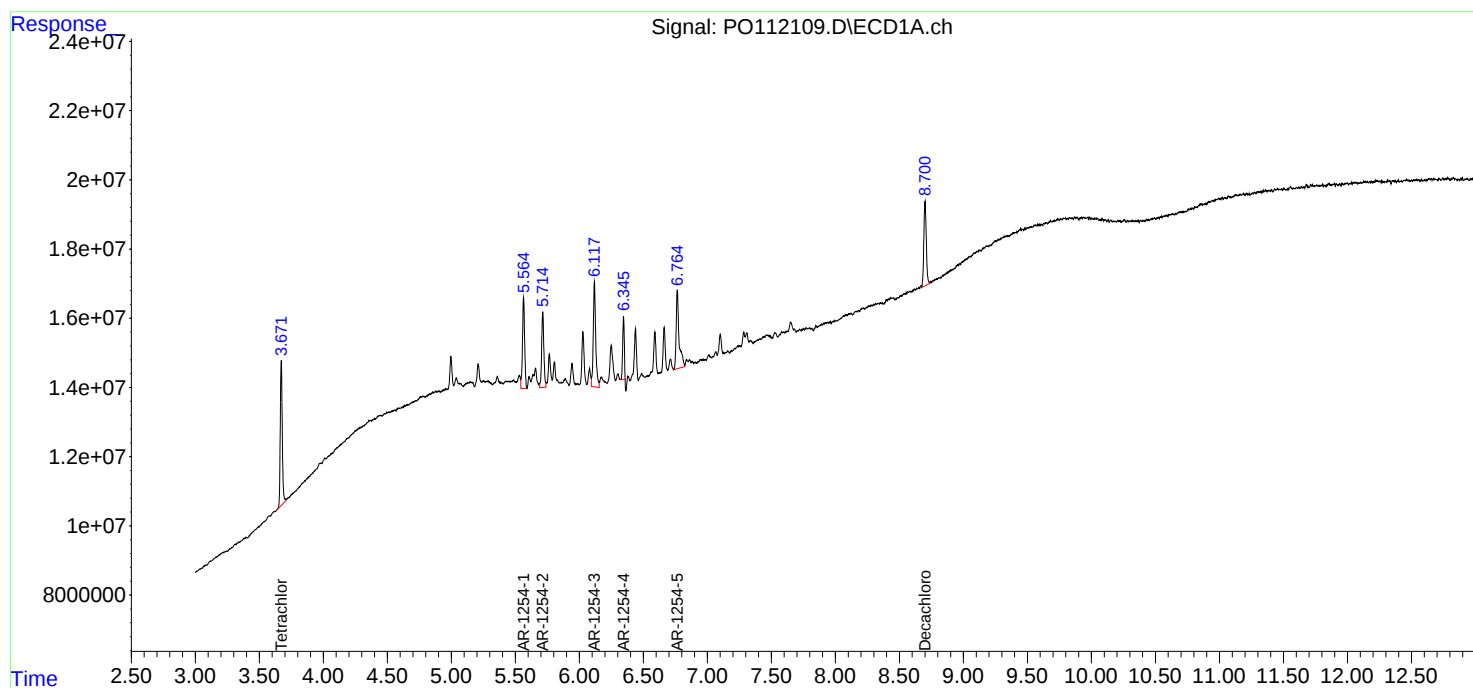
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:13:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:10:24 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_O\Data\P0070825\
 Data File : P0112110.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 20:47
 Operator : YP/AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:29:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:25:20 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...	3.672	3.666	525.8E6	329.4E6	50.000	50.000
2) SA Decachlor...	8.703	8.651	370.9E6	90608483	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.807	6.772	510.8E6	203.7E6	500.000	500.000
37) L8 AR-1262-2	7.310	7.272	819.7E6	256.3E6	500.000	500.000
38) L8 AR-1262-3	7.592	7.554	321.0E6	89762034	500.000	500.000
39) L8 AR-1262-4	7.657	7.618	535.7E6	145.5E6	500.000	500.000
40) L8 AR-1262-5	8.153	8.110	224.1E6	52891763	500.000	500.000

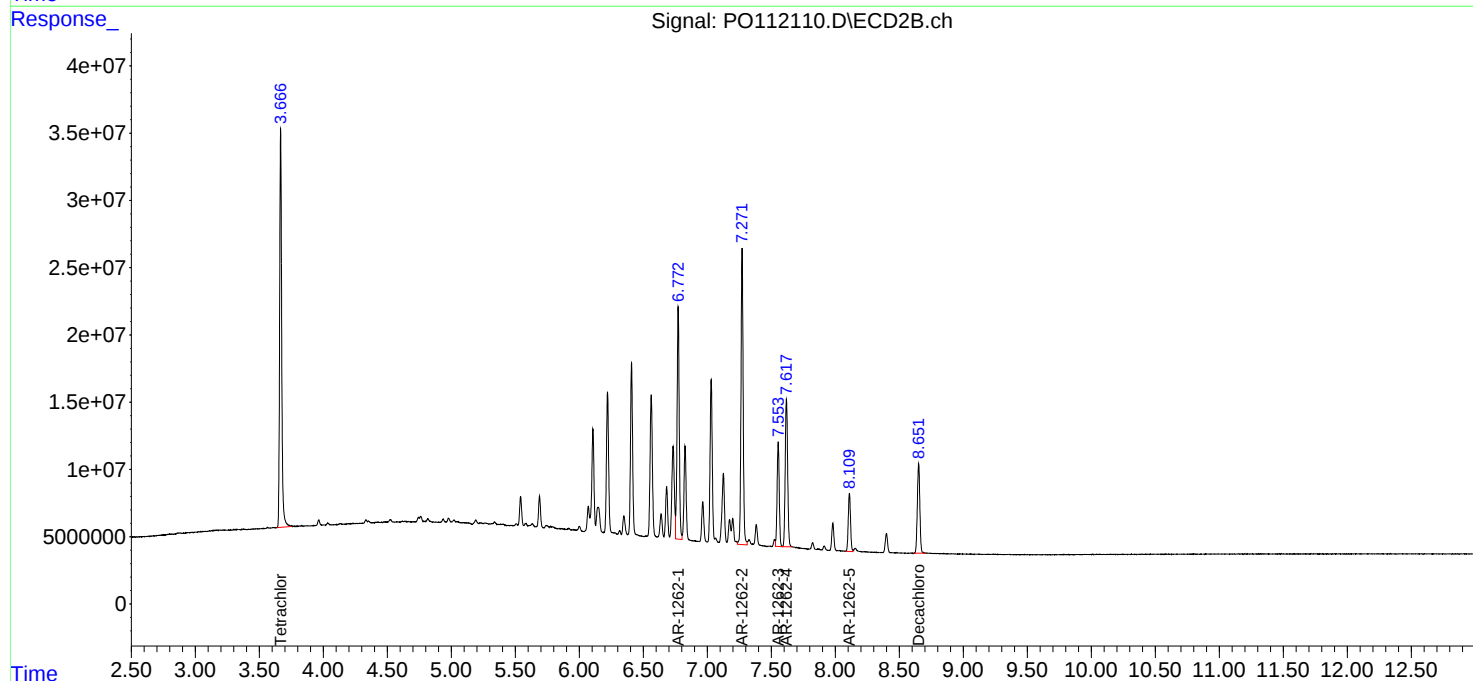
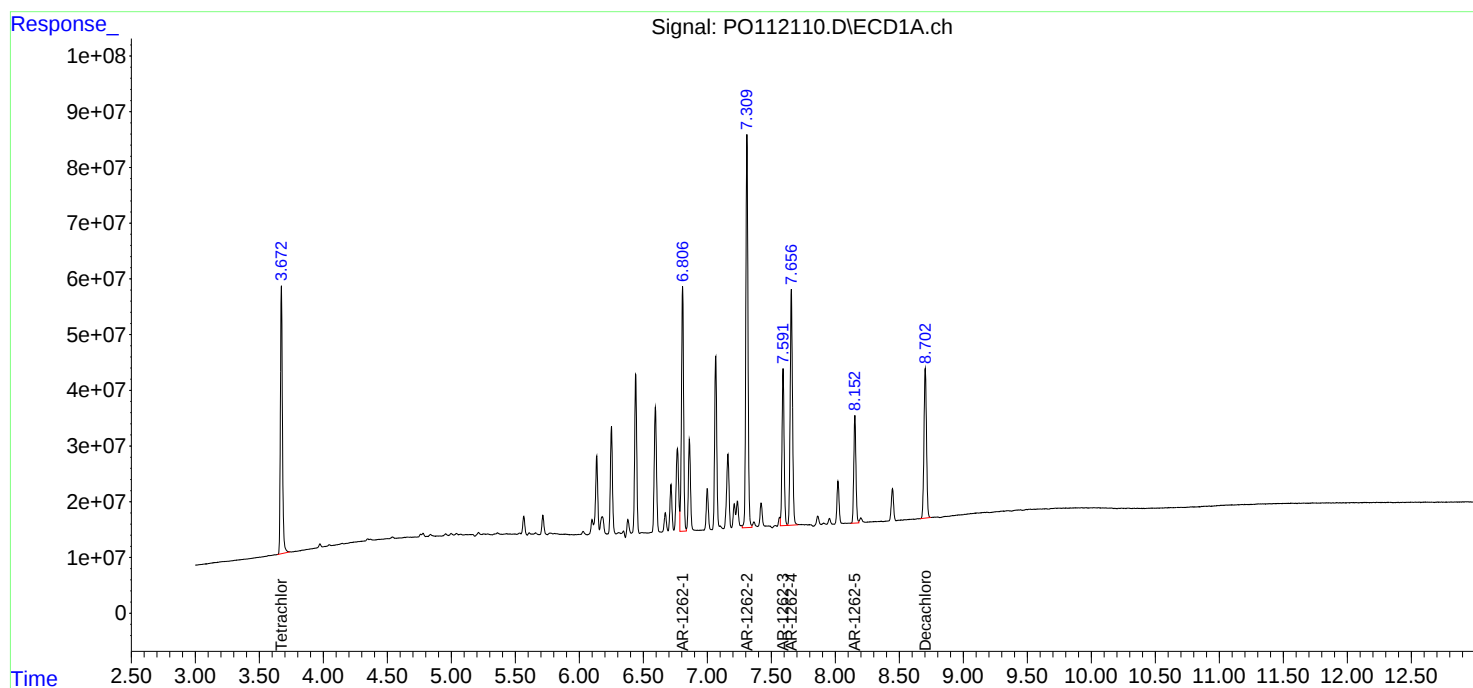
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 20:47
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:29:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:25:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112111.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 21:04
 Operator : YP/AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC1000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:41:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:33:24 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...	3.672	3.667	1082.8E6	673.3E6	101.066	99.562
2) SA Decachlor...	8.702	8.650	1378.0E6	313.9E6	99.628	96.478
Target Compounds						
41) L9 AR-1268-1	7.590	7.554	1933.7E6	486.6E6	1000.189	974.104
42) L9 AR-1268-2	7.656	7.619	1621.3E6	414.1E6	997.801	973.991
43) L9 AR-1268-3	7.862	7.823	1337.7E6	309.6E6	989.536	960.409
44) L9 AR-1268-4	8.151	8.111	501.7E6	111.4E6	975.950m	963.536
45) L9 AR-1268-5	8.445	8.399	3474.7E6	736.5E6	1008.979	983.566

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
Data File : P0112111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 21:04
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

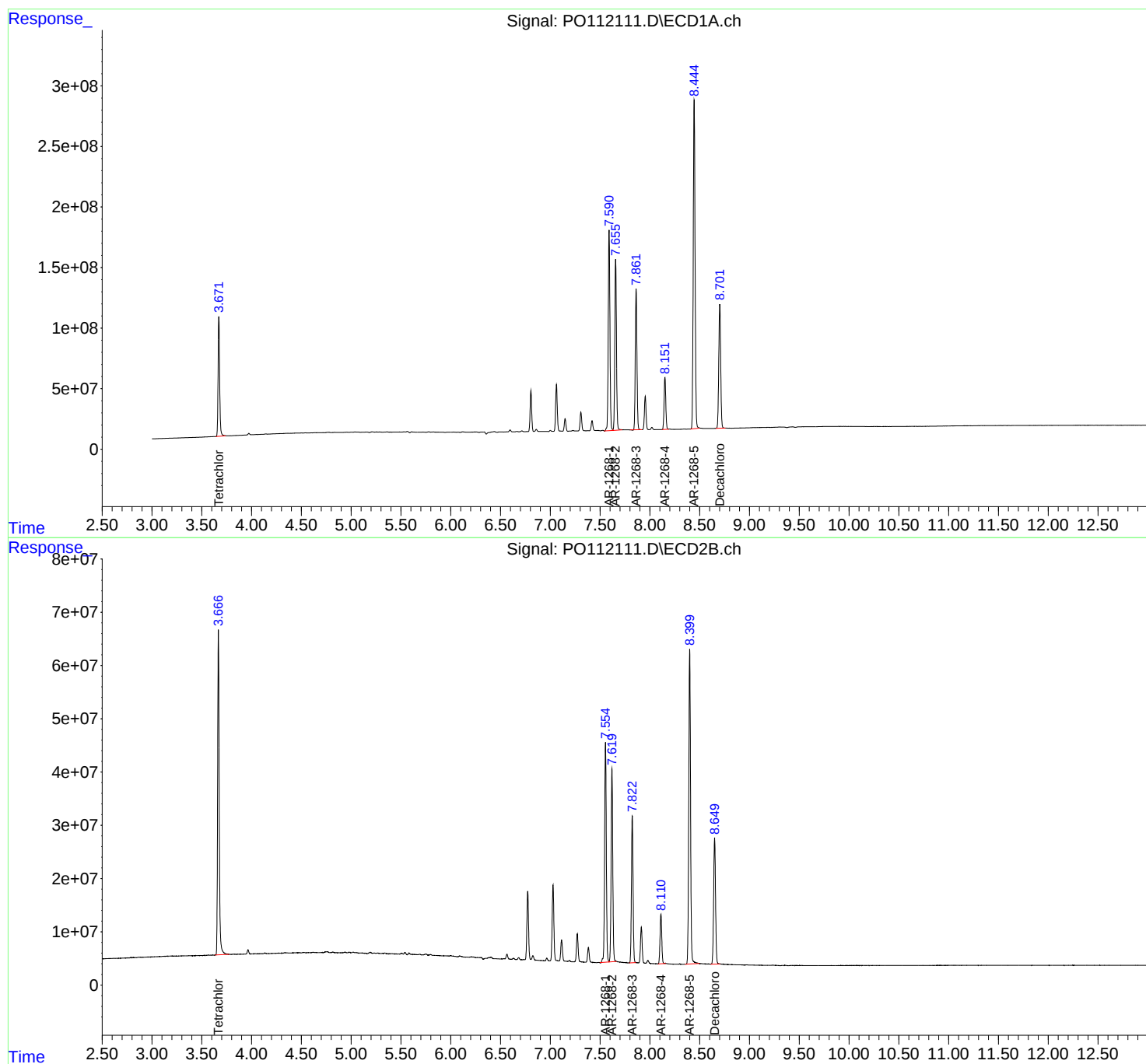
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:41:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:33:24 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112112.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 21:22
 Operator : YP/AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:42:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:33:24 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...	3.672	3.666	822.0E6	512.2E6	76.722	75.743
2) SA Decachlor...	8.700	8.649	1050.8E6	242.3E6	75.975	74.472
Target Compounds						
41) L9 AR-1268-1	7.591	7.553	1471.3E6	372.2E6	761.010	745.185
42) L9 AR-1268-2	7.656	7.618	1239.2E6	317.2E6	762.647	746.065
43) L9 AR-1268-3	7.861	7.823	1019.5E6	238.5E6	754.122	739.688
44) L9 AR-1268-4	8.150	8.110	374.5E6	85695746	728.612	741.374
45) L9 AR-1268-5	8.444	8.399	2621.5E6	562.6E6	761.236	751.350

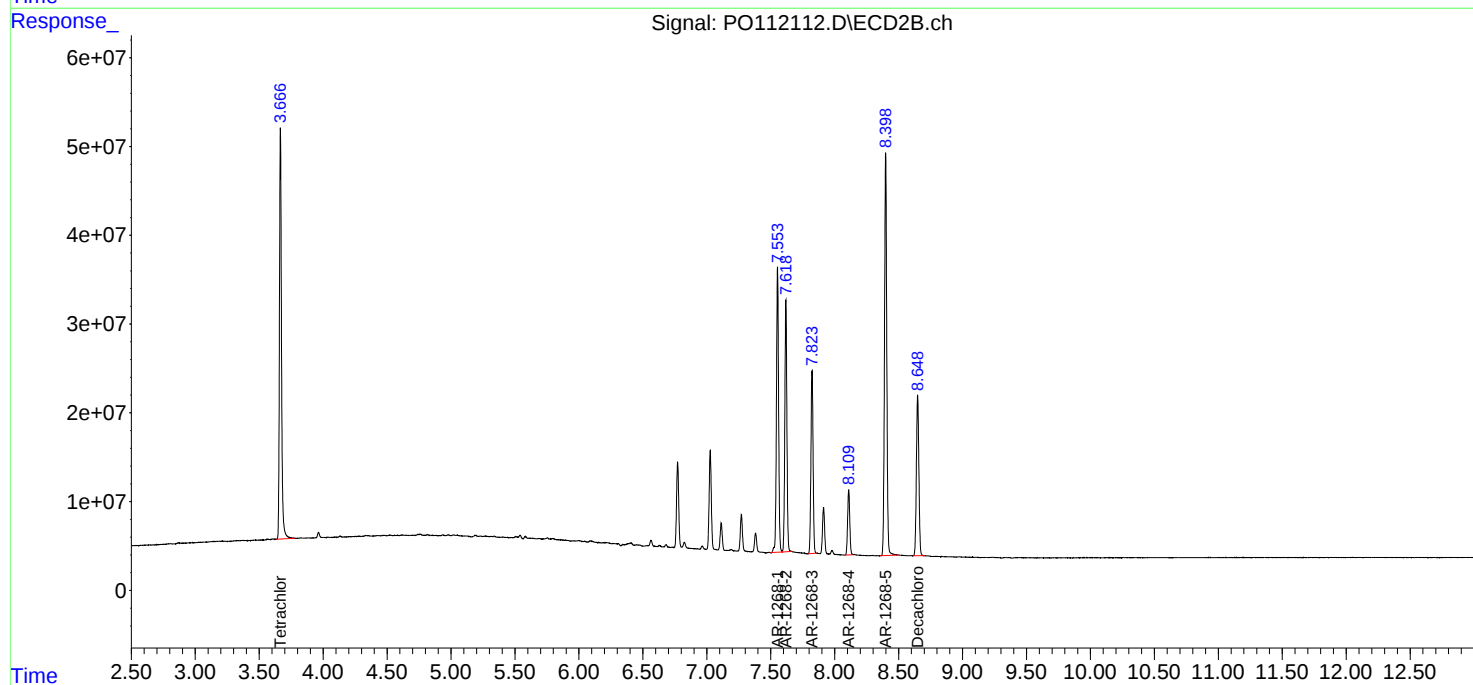
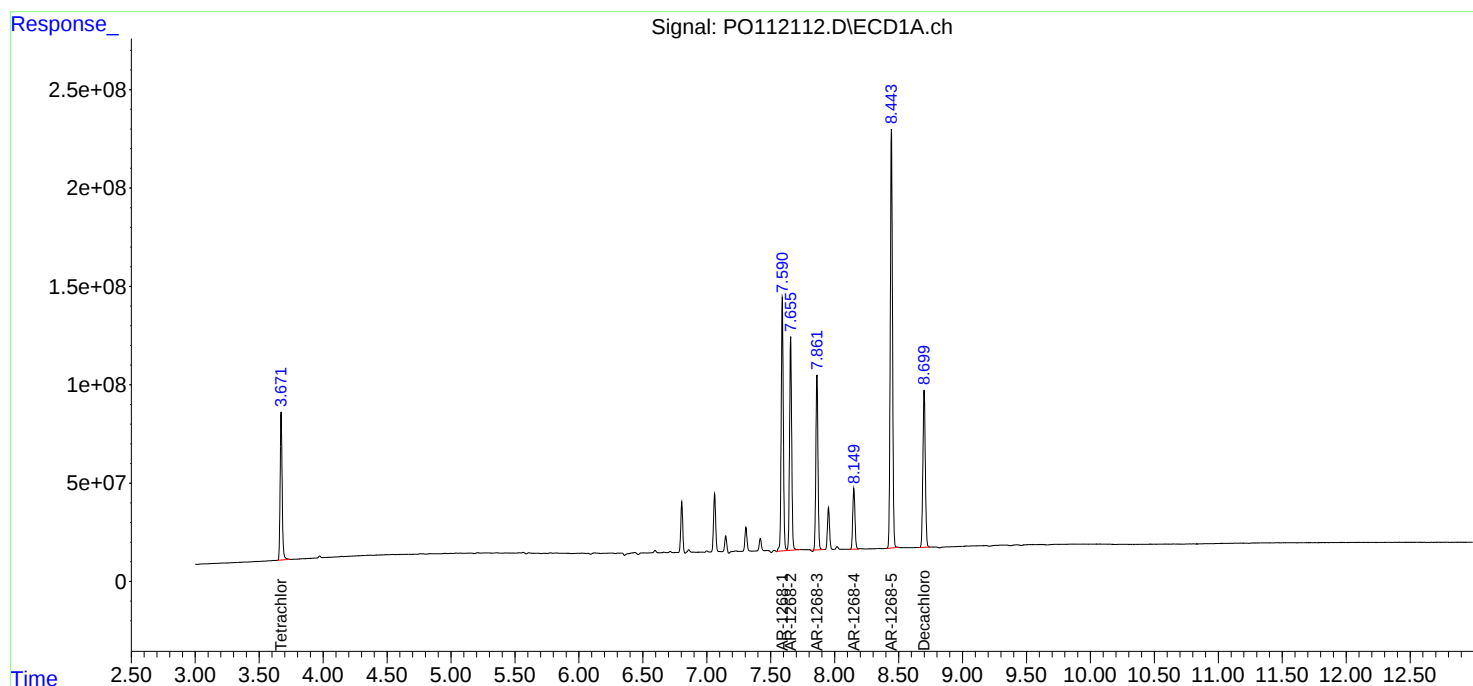
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 21:22
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:42:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:33:24 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112113.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 21:39
 Operator : YP/AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:42:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:33:24 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...	3.671	3.666	535.7E6	338.1E6	50.000	50.000
2) SA Decachlor...	8.701	8.648	691.6E6	162.7E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.590	7.552	966.7E6	249.7E6	500.000	500.000
42) L9 AR-1268-2	7.656	7.617	812.4E6	212.6E6	500.000	500.000
43) L9 AR-1268-3	7.862	7.822	675.9E6	161.2E6	500.000	500.000
44) L9 AR-1268-4	8.151	8.108	257.0E6	57795189	500.000	500.000
45) L9 AR-1268-5	8.445	8.398	1721.9E6	374.4E6	500.000	500.000

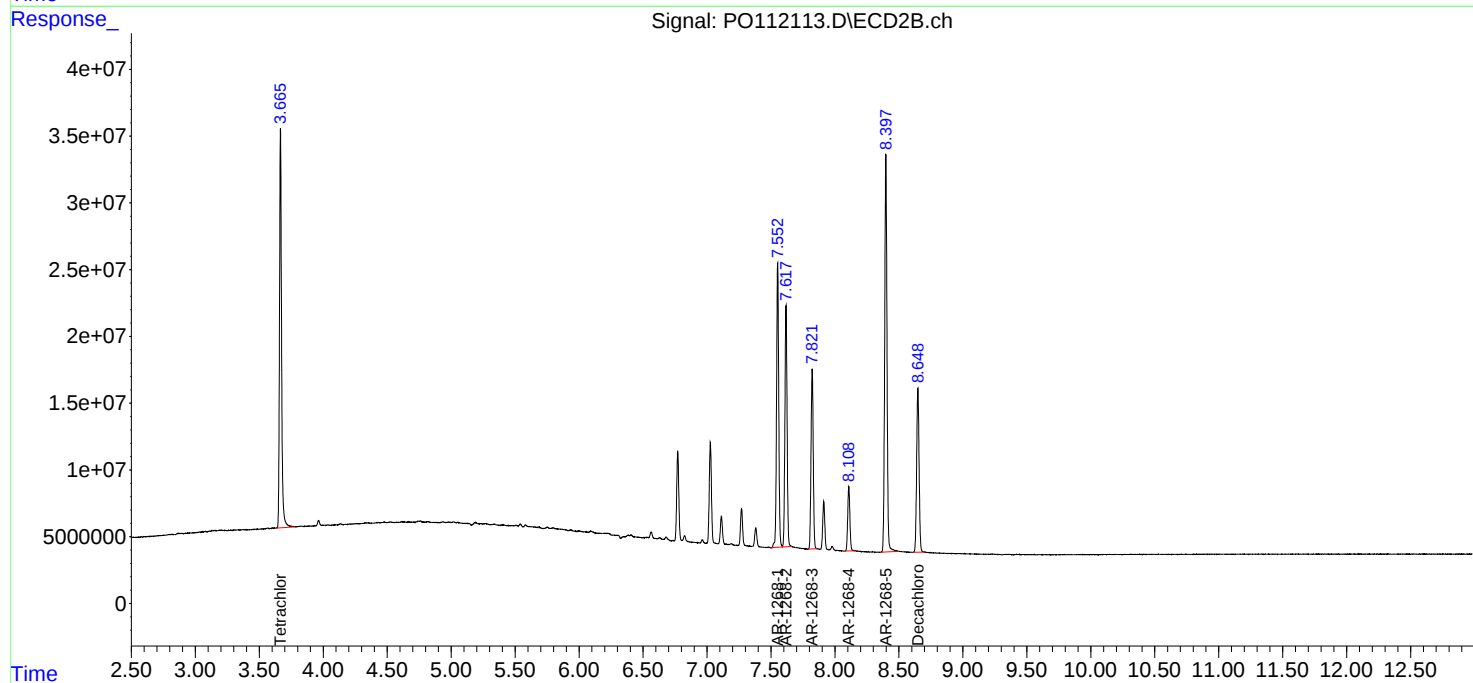
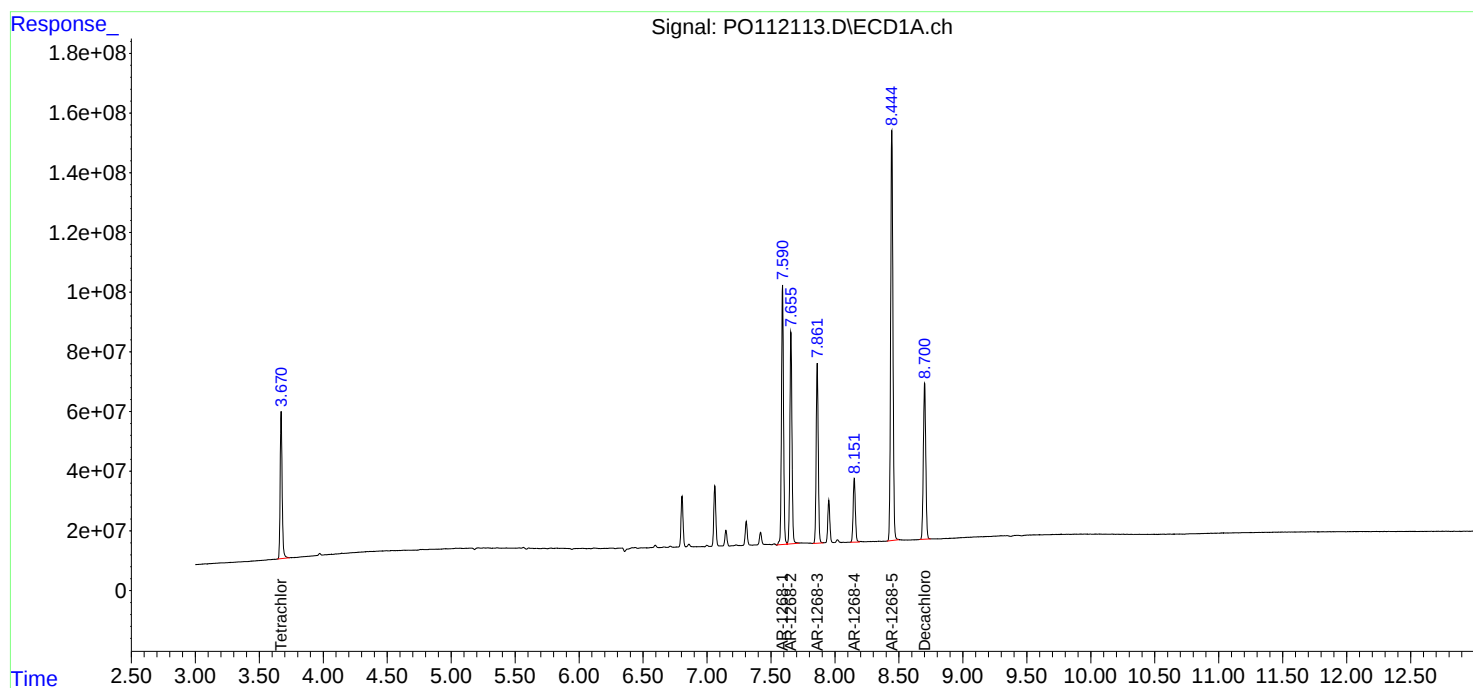
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
Data File : P0112113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 21:39
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:42:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:33:24 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112114.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 21:57
 Operator : YP/AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:42:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:33:24 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...	3.673	3.667	259.9E6	164.3E6	24.261	24.302
2) SA Decachlor...	8.703	8.650	342.2E6	82659475	24.738	25.404
Target Compounds						
41) L9 AR-1268-1	7.592	7.553	472.5E6	128.6E6	244.386	257.479
42) L9 AR-1268-2	7.658	7.619	399.3E6	109.7E6	245.741	257.940
43) L9 AR-1268-3	7.864	7.823	334.3E6	83790903	247.301	259.922
44) L9 AR-1268-4	8.153	8.110	127.6E6	29384246	248.229	254.210
45) L9 AR-1268-5	8.446	8.399	837.4E6	188.8E6	243.174	252.154

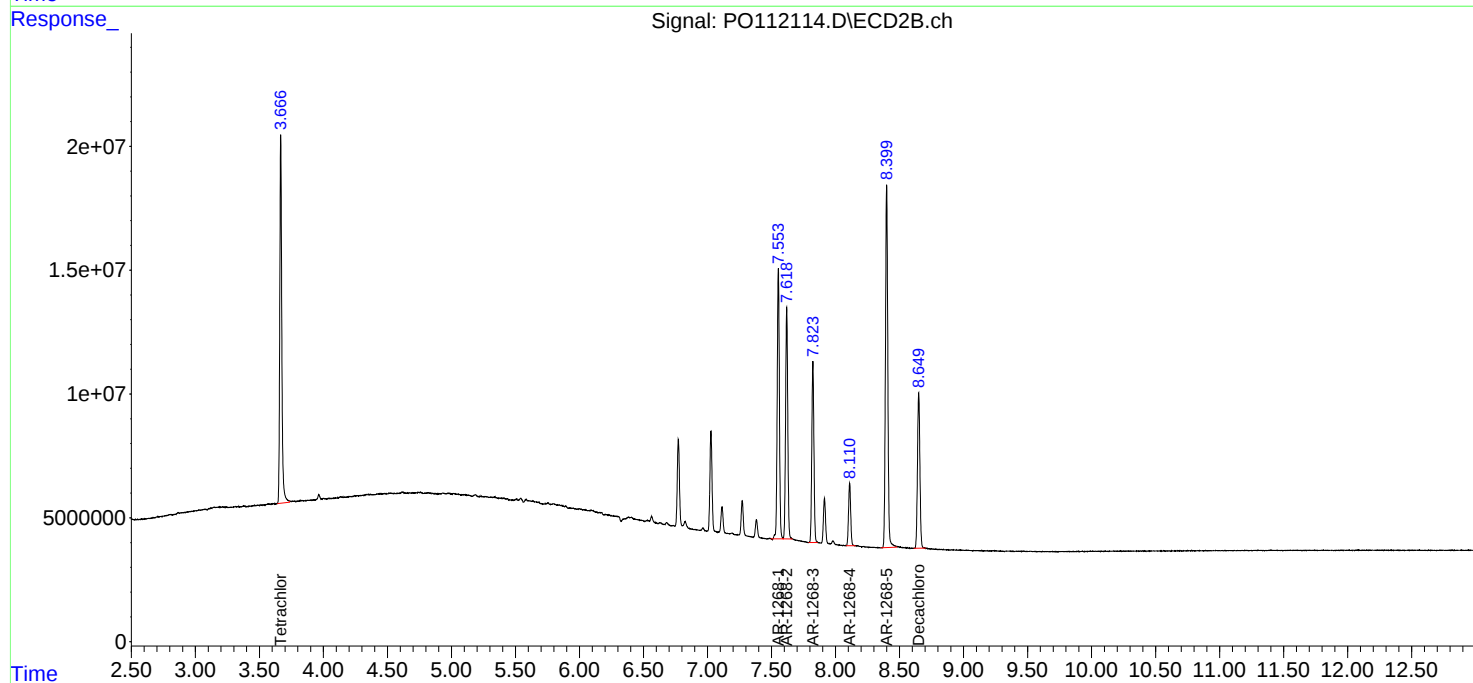
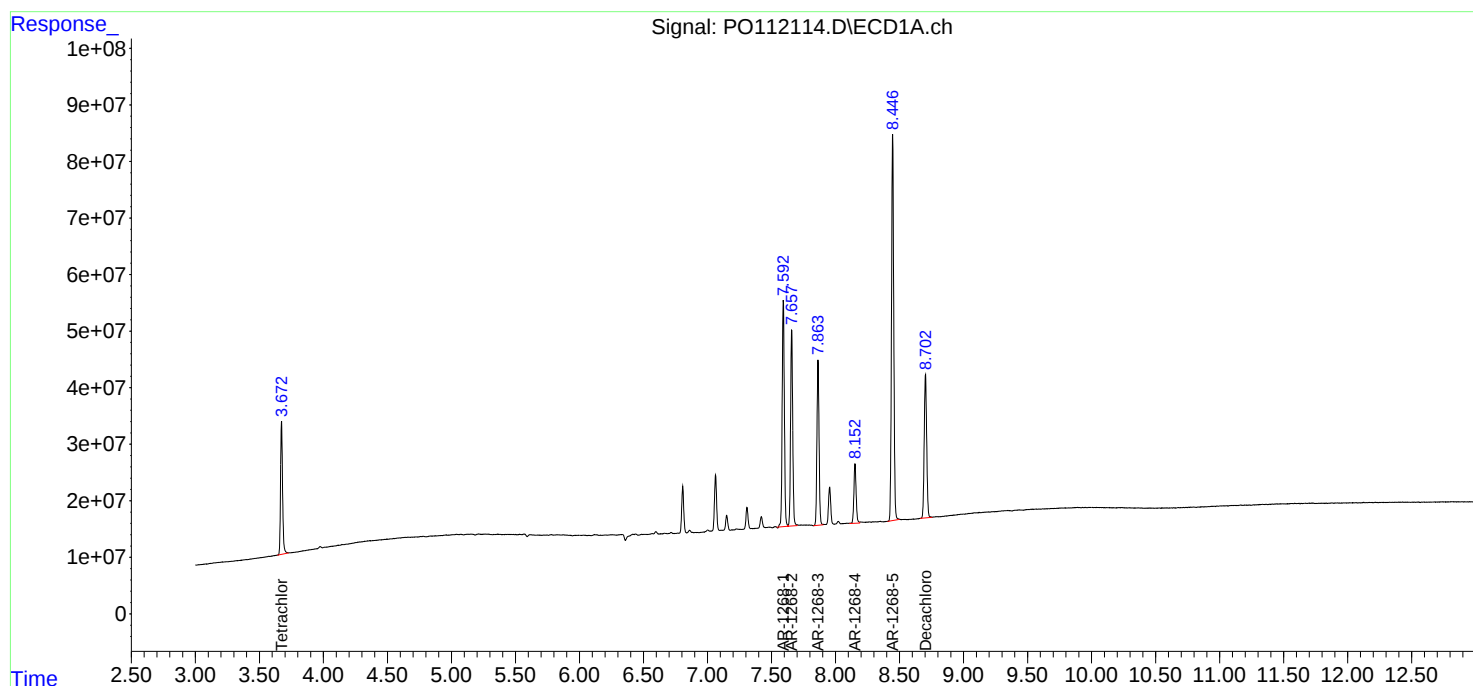
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 21:57
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:42:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:33:24 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112115.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 22:16
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:42:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:33:24 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...	3.674	3.666	38867548	25586379	3.628	3.784
2) SA Decachlor...	8.703	8.649	53087700	13607316	3.838	4.182
Target Compounds						
41) L9 AR-1268-1	7.592	7.553	73430329	23025590	37.981m	46.098
42) L9 AR-1268-2	7.658	7.618	64617530	19259498	39.767	45.302
43) L9 AR-1268-3	7.863	7.822	55605590	14843274	41.132m	46.044
44) L9 AR-1268-4	8.154	8.109	18826938	4939808	36.625	42.735
45) L9 AR-1268-5	8.447	8.398	127.8E6	32095228	37.097	42.862

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 22:16
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

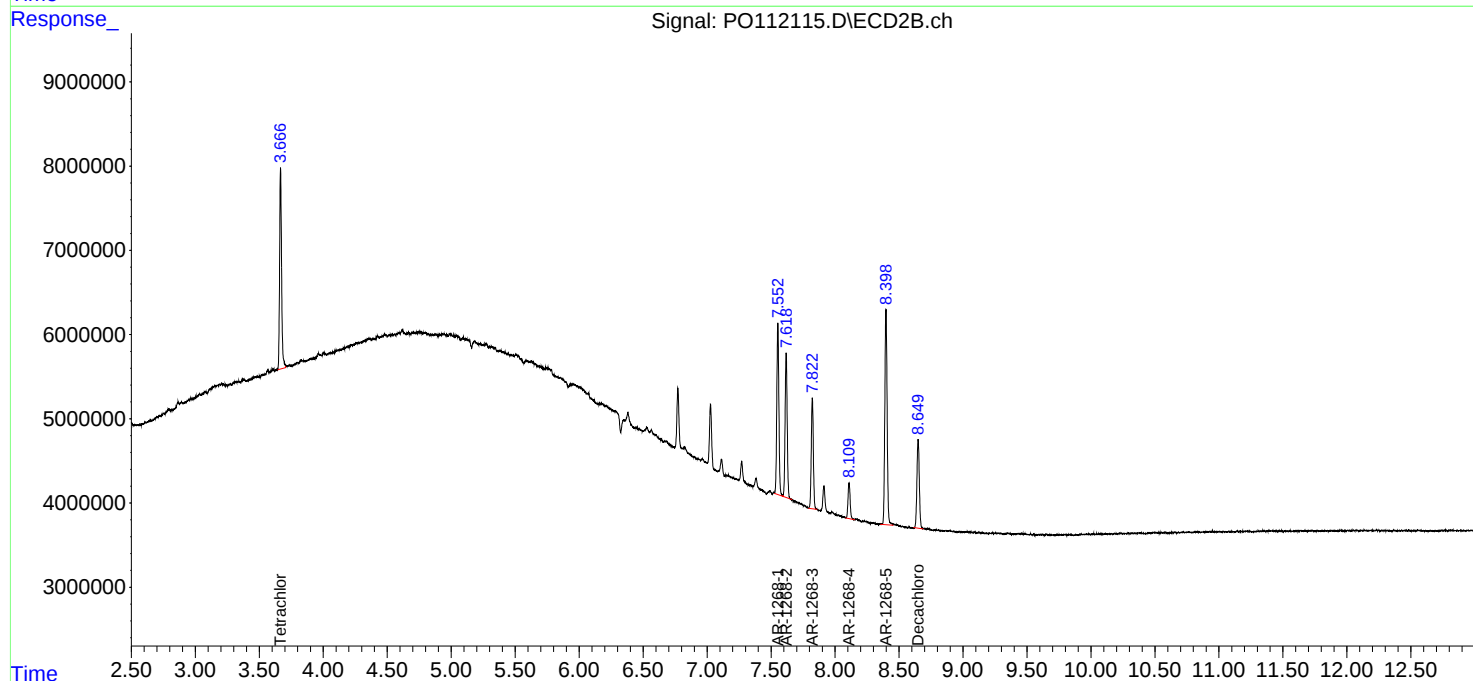
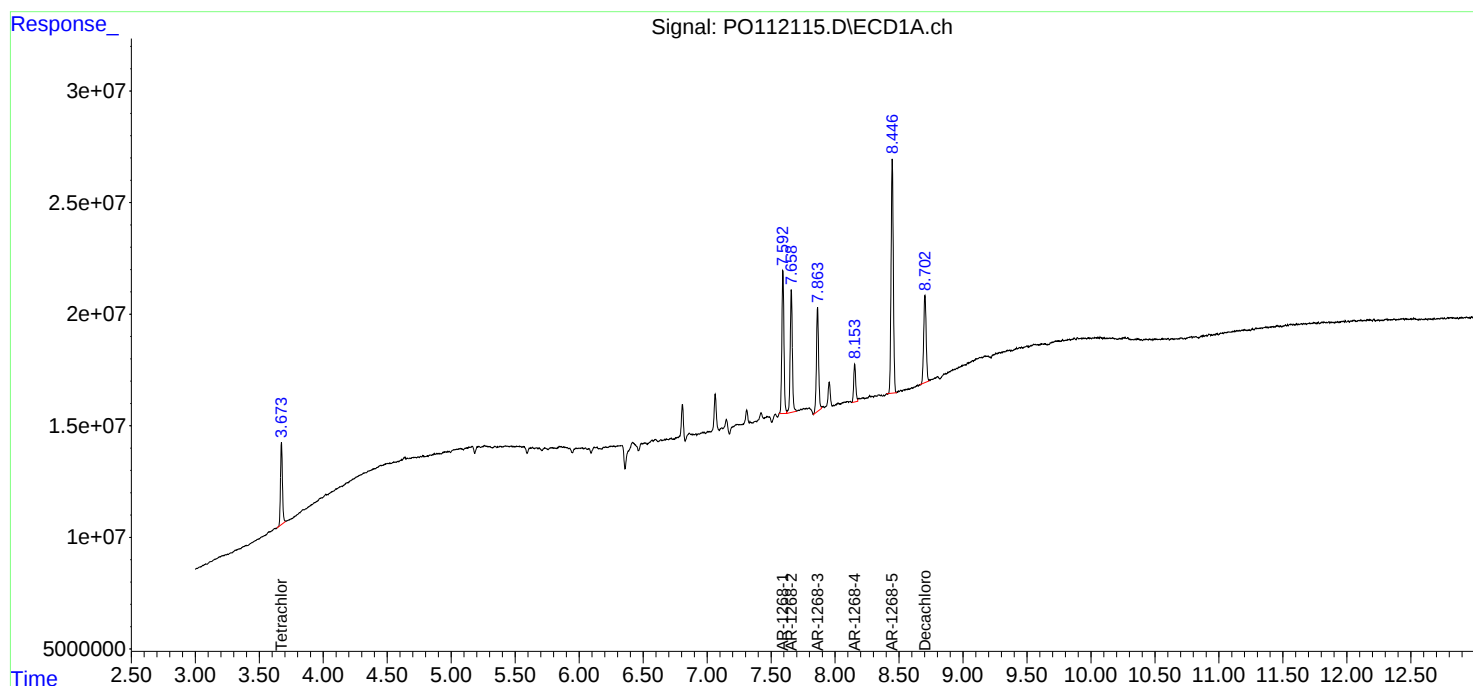
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:42:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:33:24 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
 Data File : P0112116.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 22:34
 Operator : YP/AJ
 Sample : P0070825ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO070825

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 04:04:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 04:02:23 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...	3.672	3.666	521.7E6	329.9E6	52.728	51.784
2) SA Decachlor...	8.702	8.649	362.0E6	87909411	52.944	51.007
Target Compounds						
3) L1 AR-1016-1	4.760	4.742	175.3E6	107.8E6	515.284	483.610m
4) L1 AR-1016-2	4.779	4.761	259.8E6	163.6E6	522.388	497.237m
5) L1 AR-1016-3	4.836	4.936	165.0E6	85046592	509.600	500.666
6) L1 AR-1016-4	4.956	4.979	132.8E6	68299058	517.300	497.707
7) L1 AR-1016-5	5.213	5.190	137.8E6	89116759	503.683	516.768
31) L7 AR-1260-1	6.250	6.220	257.1E6	138.6E6	512.929	493.882
32) L7 AR-1260-2	6.440	6.408	380.3E6	165.9E6	515.168	487.864
33) L7 AR-1260-3	6.806	6.559	331.7E6	141.4E6	506.110	512.911m
34) L7 AR-1260-4	7.065	7.029	235.9E6	98320139	541.983	490.020m
35) L7 AR-1260-5	7.308	7.271	694.1E6	218.4E6	549.787	487.907

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
Data File : P0112116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 22:34
Operator : YP/AJ
Sample : P0070825ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

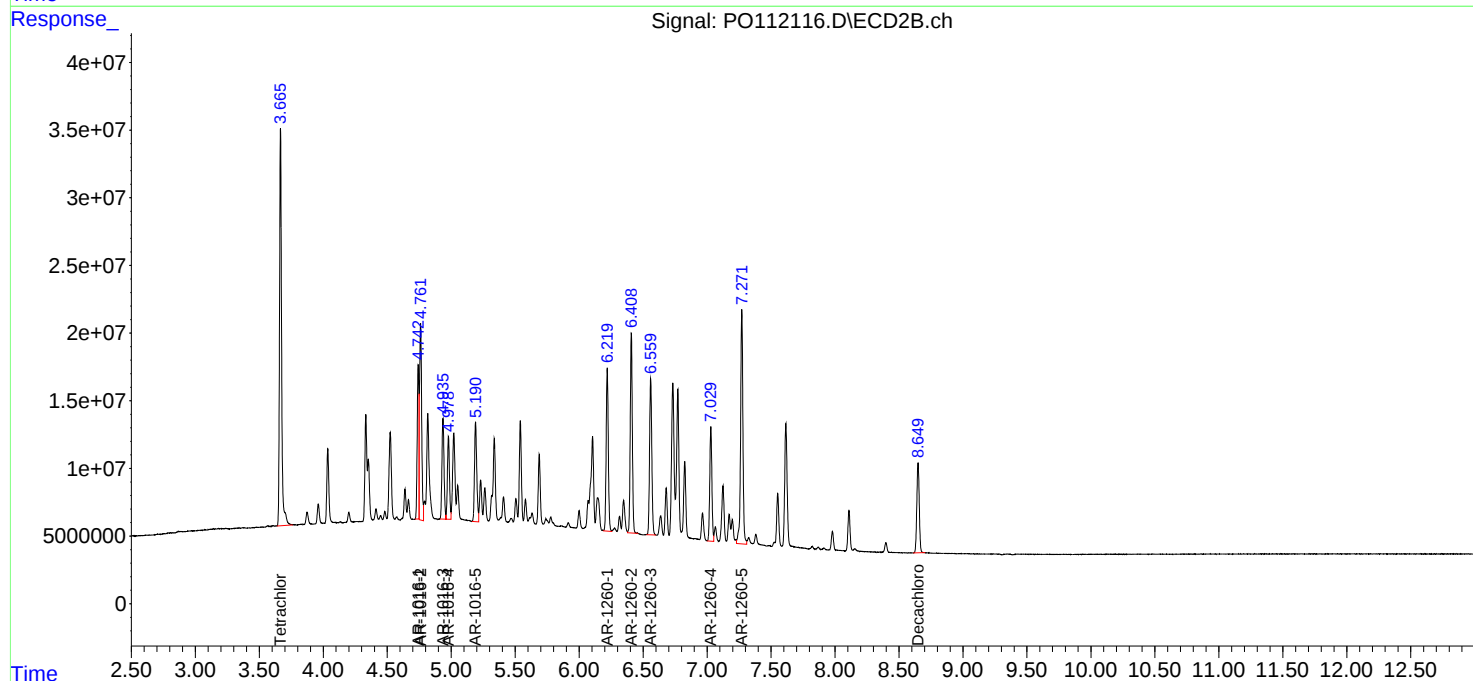
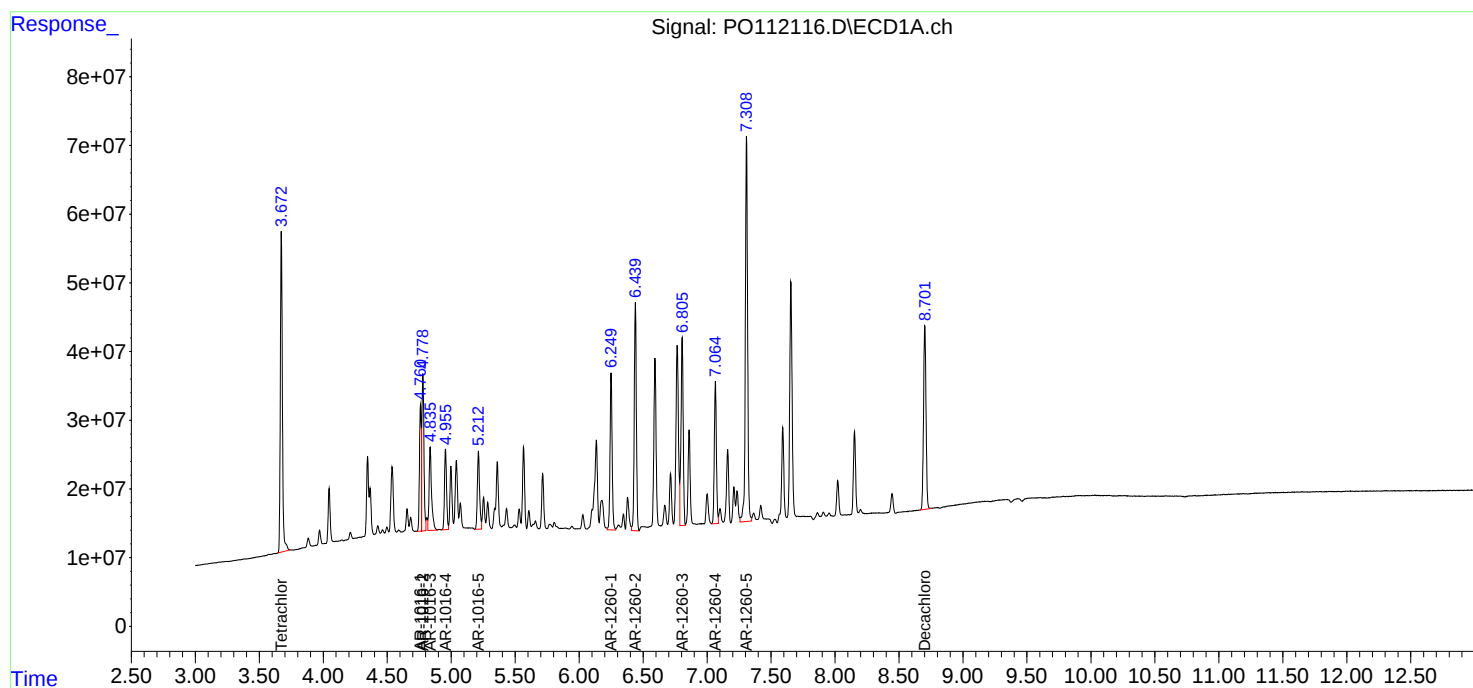
Instrument :
ECD_O
ClientSampleId :
ICVPO070825

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 04:04:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 04:02:23 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\P0070825\
 Data File : P0112117.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 23:11
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO070825AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 04:05:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 04:02:23 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...	3.673	3.666	512.4E6	321.3E6	51.790	50.425
2) SA Decachlor...	8.703	8.649	365.5E6	88771778	53.453	51.508
Target Compounds						
16) L4 AR-1242-1	4.761	4.742	146.8E6	93302949	506.810	481.294
17) L4 AR-1242-2	4.779	4.761	220.6E6	136.9E6	518.026	483.283
18) L4 AR-1242-3	4.836	4.936	139.5E6	71189360	509.797	488.679
19) L4 AR-1242-4	4.956	5.020	112.3E6	68561477	498.302	483.370
20) L4 AR-1242-5	5.607	5.540	110.4E6	88688434	521.388	488.012

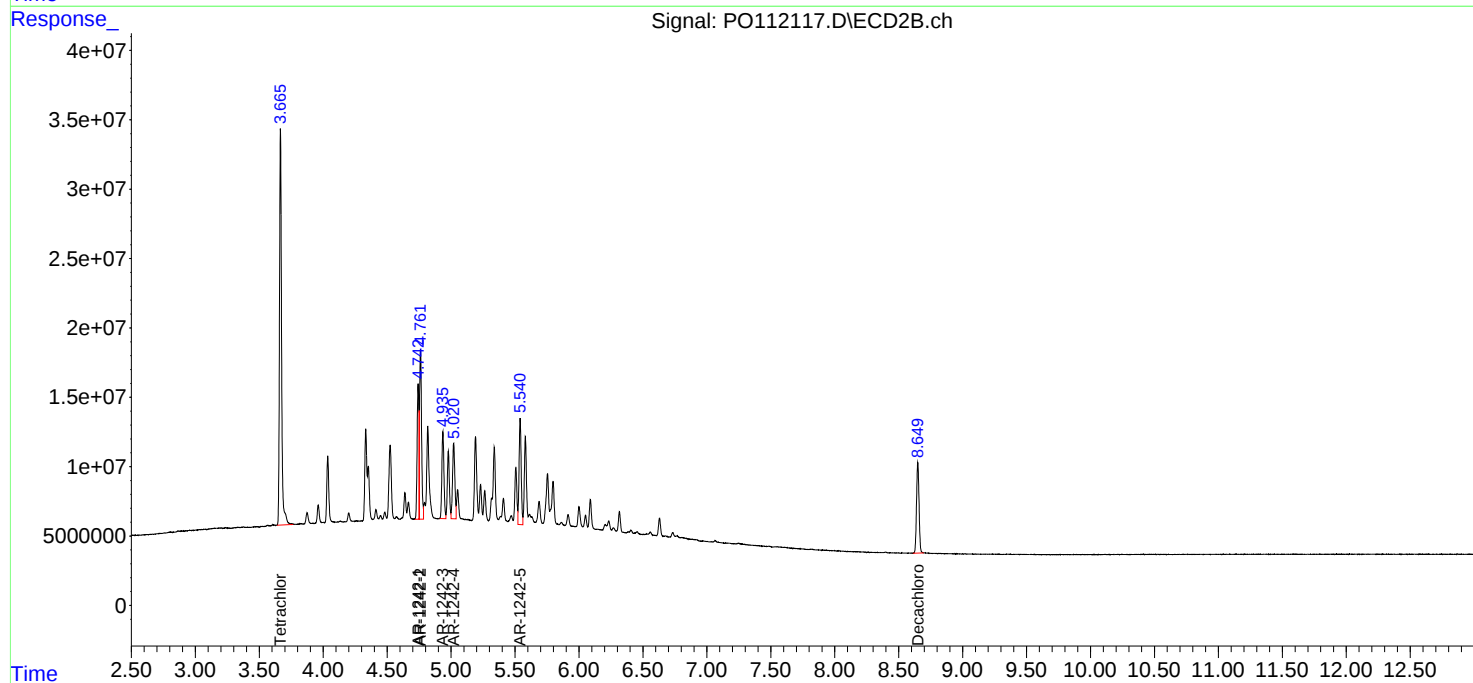
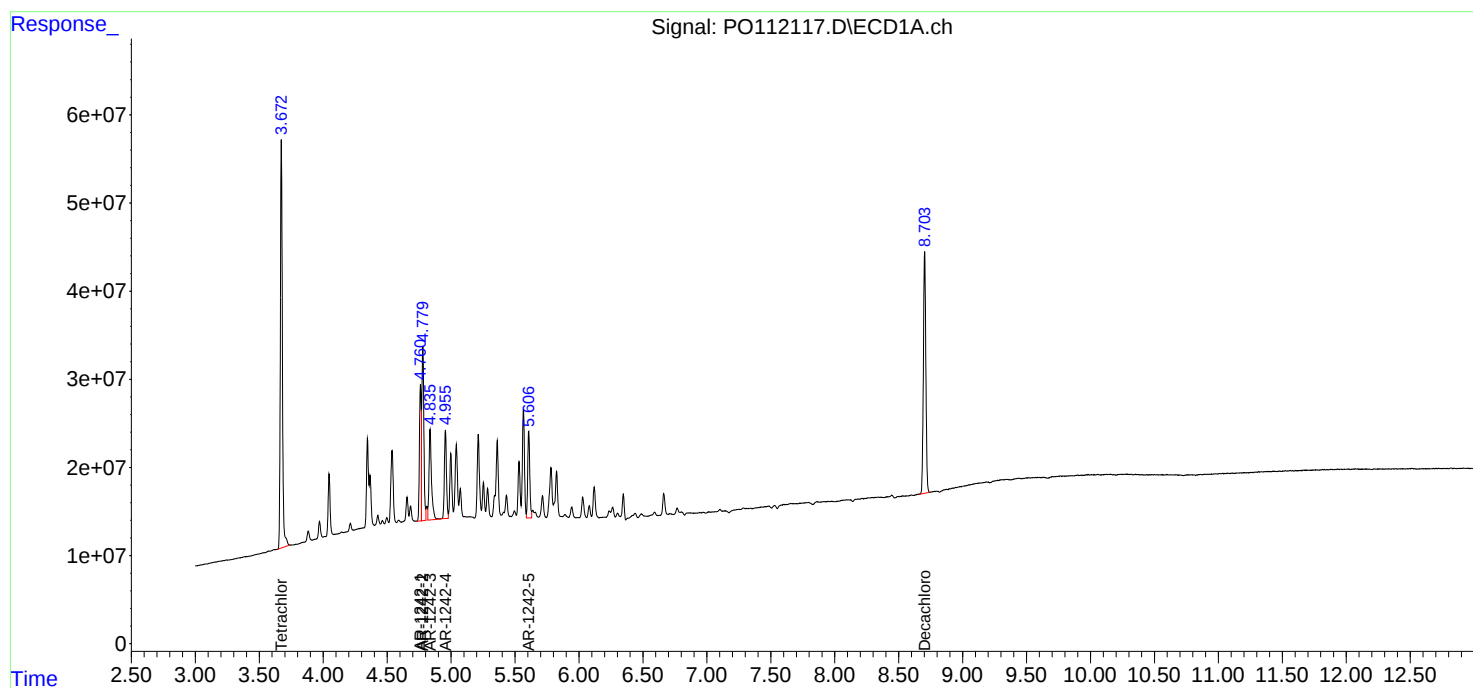
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0070825\
Data File : P0112117.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 23:11
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO070825AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 04:05:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 04:02:23 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\P0070825\
 Data File : P0112118.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 23:47
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO070825AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 04:05:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 04:02:23 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...	3.673	3.666	508.1E6	317.9E6	51.354	49.890
2) SA Decachlor...	8.702	8.650	362.9E6	88364492	53.072	51.272
Target Compounds						
21) L5 AR-1248-1	4.761	4.742	111.3E6	71004811	490.349	459.970
22) L5 AR-1248-2	4.998	4.979	149.3E6	96786968	484.269	470.370
23) L5 AR-1248-3	5.213	5.020	189.9E6	101.5E6	466.127	472.319
24) L5 AR-1248-4	5.565	5.191	278.9E6	121.0E6	483.314	467.745
25) L5 AR-1248-5	5.607	5.581	185.2E6	118.9E6	474.463	474.612

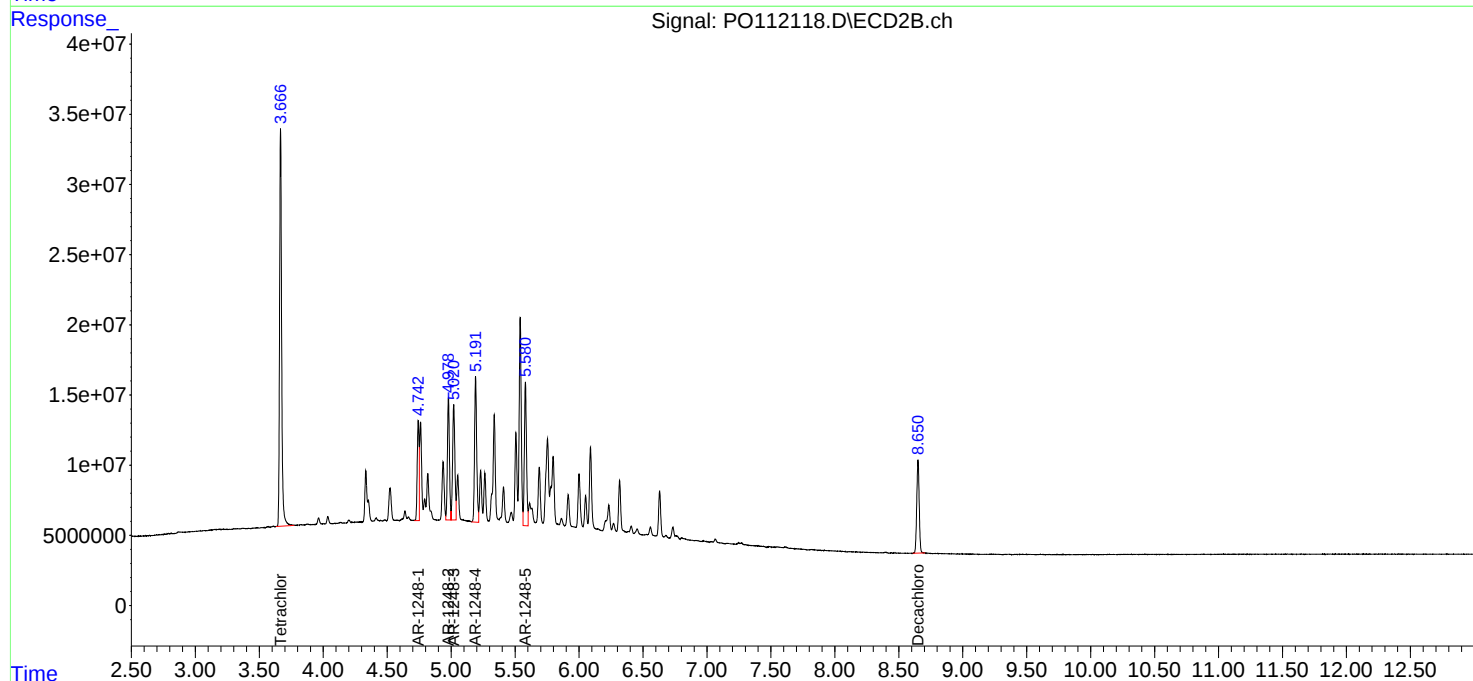
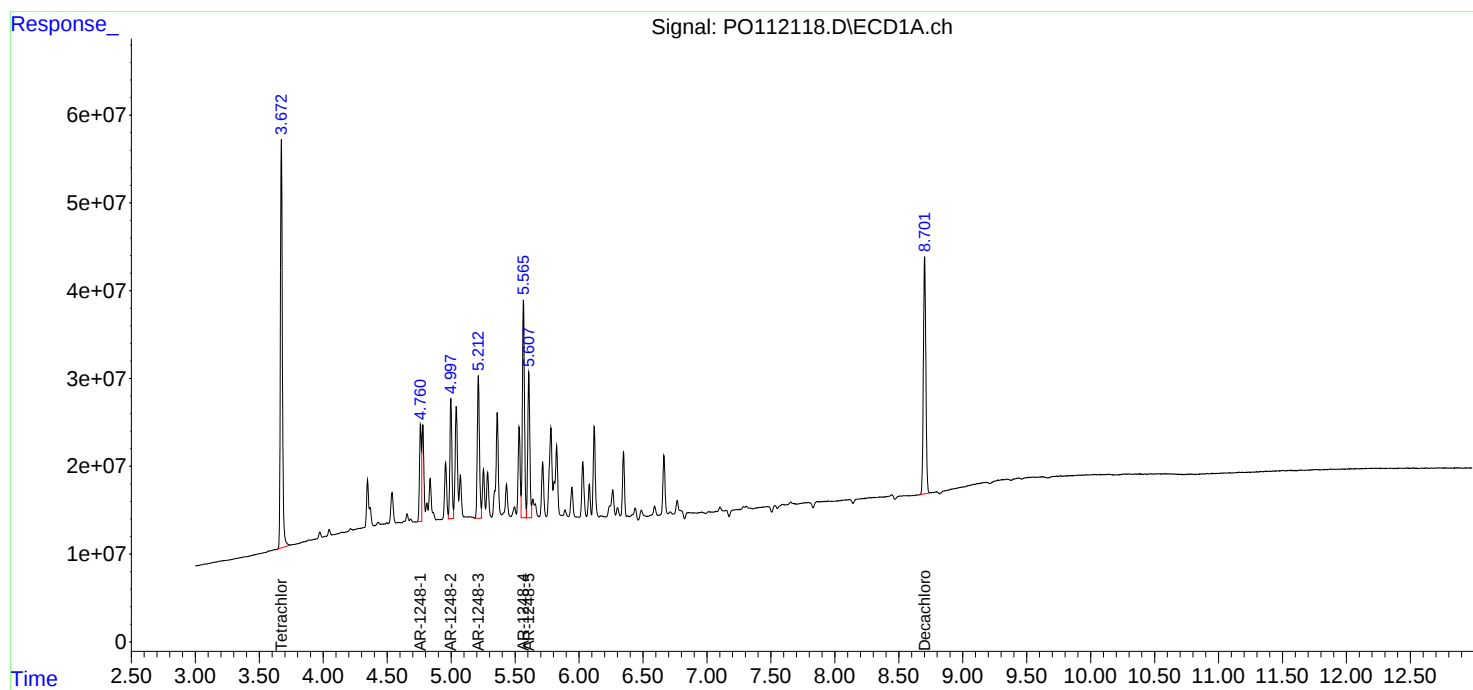
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 23:47
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO070825AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 04:05:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 04:02:23 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\P0070825\
 Data File : P0112119.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 00:24
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO070825AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 04:05:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 04:02:23 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...	3.673	3.666	520.2E6	322.7E6	52.569	50.649
2) SA Decachlor...	8.702	8.648	368.3E6	89811642	53.866	52.111
Target Compounds						
26) L6 AR-1254-1	5.566	5.541	297.8E6	181.0E6	484.137	474.939
27) L6 AR-1254-2	5.715	5.688	261.9E6	156.8E6	488.891	472.651
28) L6 AR-1254-3	6.119	6.089	408.1E6	227.3E6	486.021	471.452
29) L6 AR-1254-4	6.348	6.317	268.6E6	129.6E6	558.360	496.987
30) L6 AR-1254-5	6.768	6.733	381.5E6	170.5E6	492.940	478.367

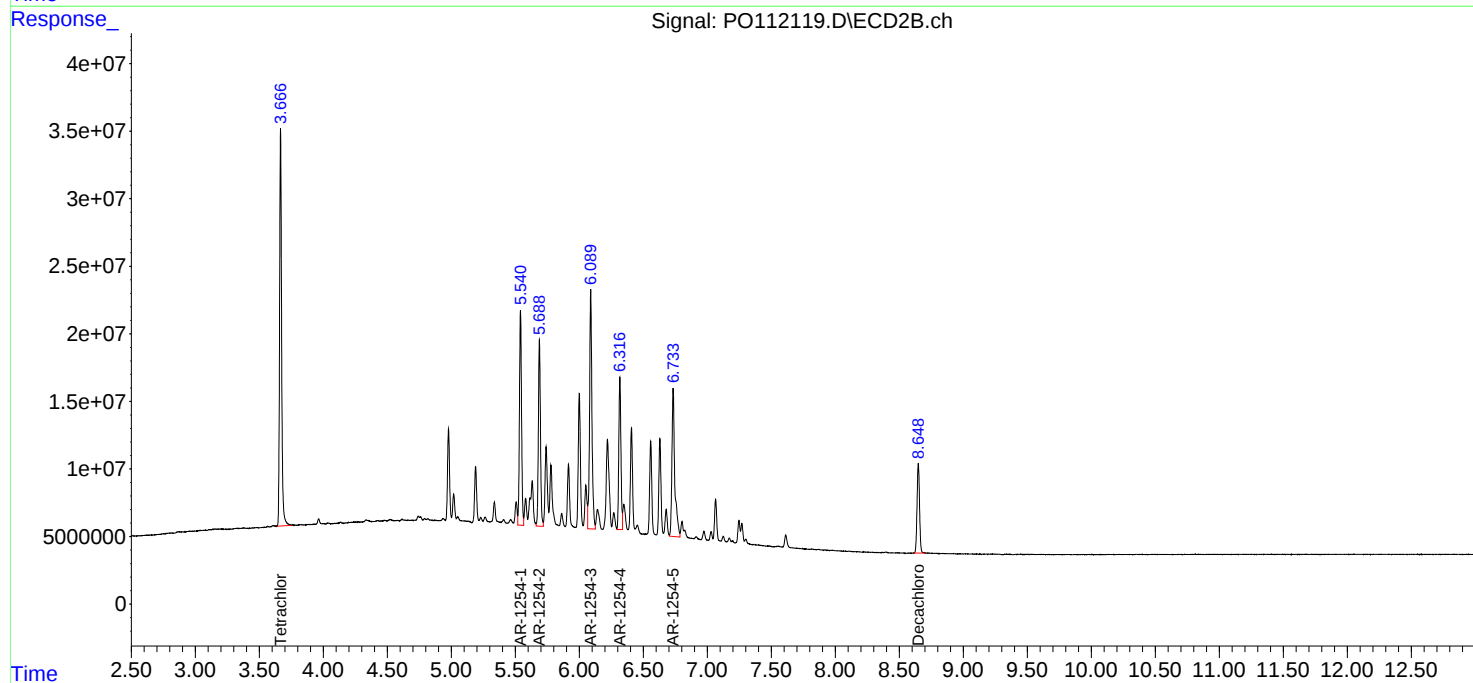
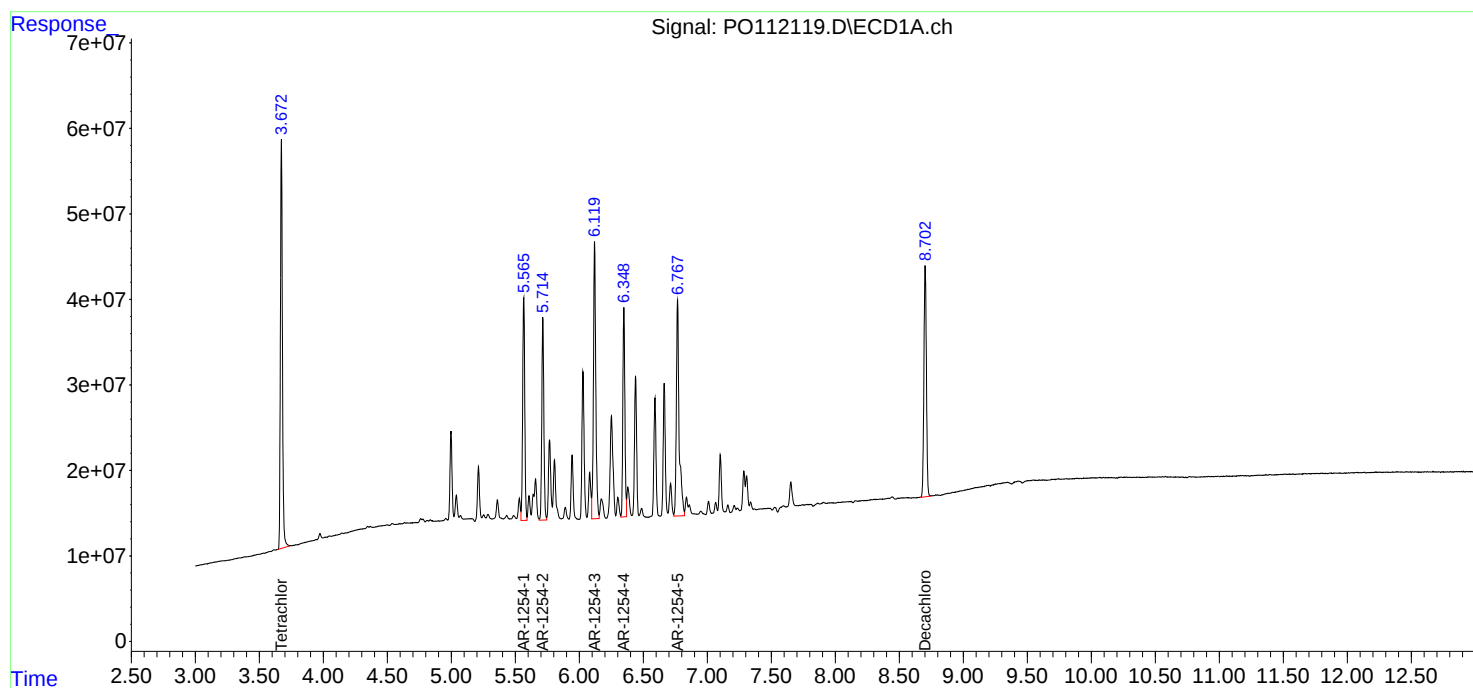
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112119.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 00:24
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO070825AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 04:05:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 04:02:23 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\P0070825\
 Data File : P0112120.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 01:01
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO070825AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 03:54:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 09 03:33:24 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...	3.672	3.666	507.9E6	314.4E6	50.119	49.097
2) SA Decachlor...	8.702	8.650	672.6E6	158.8E6	51.008	50.729
Target Compounds						
41) L9 AR-1268-1	7.592	7.554	933.4E6	244.5E6	507.990	497.487
42) L9 AR-1268-2	7.658	7.619	787.7E6	208.0E6	505.709	498.485
43) L9 AR-1268-3	7.863	7.823	660.1E6	157.4E6	507.919	497.424
44) L9 AR-1268-4	8.153	8.110	233.4E6	55400600	485.897	496.813
45) L9 AR-1268-5	8.446	8.399	1686.7E6	361.3E6	516.807	497.353

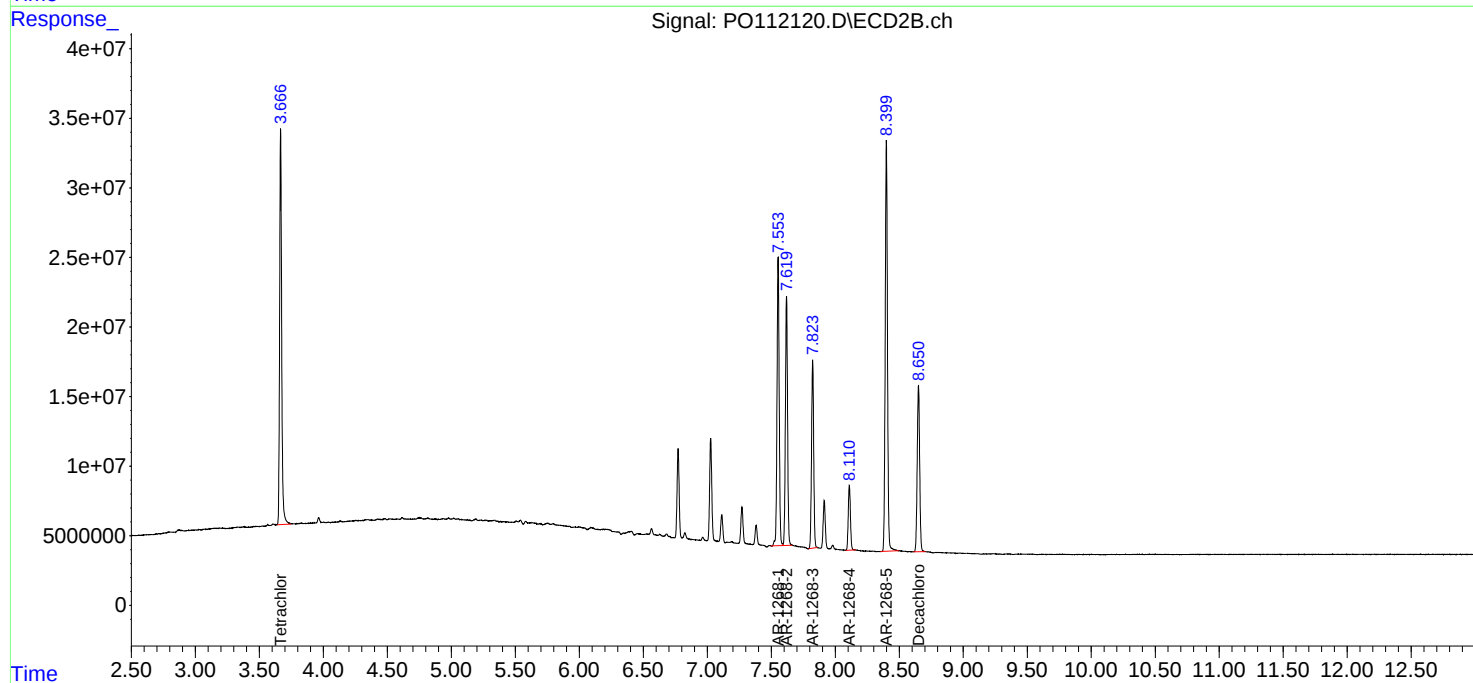
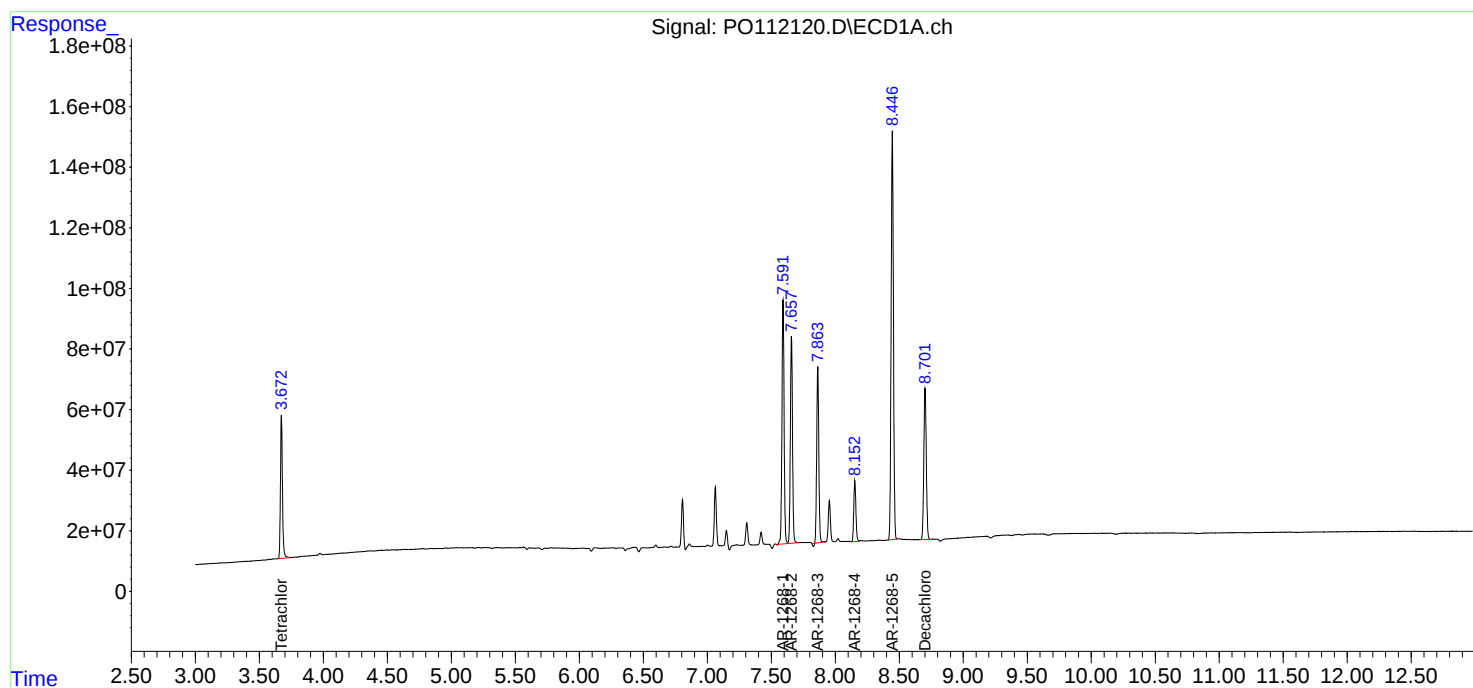
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112120.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 01:01
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO070825AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 03:54:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 03:33:24 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



Contract: EARTH03

SDG NO.: Q2651

Calibration Date(s): **07/23/2025** **07/23/2025**

Calibration Times: 02:59 09:21

LAB FILE ID:	RT 1000 =	<u>PQ070551.D</u>	RT 750 =	<u>PQ070552.D</u>
	RT 500 =	PO070553.D	RT 250 =	PO070554.D
			RT 050 =	PO070555.D

[illegible]

Contract: EARTH03

SDG NO.: Q2651

Calibration Date(s): **07/23/2025** **07/23/2025**

Calibration Times: 02:59 09:21

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

LAB FILE ID:	RT 1000 =	<u>PQ070551.D</u>	RT 750 =	<u>PQ070552.D</u>
	RT 500 =	PO070553.D	RT 250 =	PO070554.D
			RT 050 =	PO070555.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q2651

Calibration Date(s): 07/23/2025 07/23/2025
Calibration Times: 02:59 09:21

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

LAB FILE ID:		CF 1000 = <u>PQ070551.D</u>		CF 750 = <u>PQ070552.D</u>			
CF 500 = <u>PQ070553.D</u>		CF 250 = <u>PQ070554.D</u>		CF 050 = <u>PQ070555.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	248235634	288462041	251575046	259319972	335964340	276711407
Aroclor-1016-2	(2)	387041255	450749285	383727892	407931516	498834860	425656962
Aroclor-1016-3	(3)	237230475	277332580	240405284	253646452	316804100	265083778
Aroclor-1016-4	(4)	195827570	228879569	196872080	206707664	254009460	216459269
Aroclor-1016-5	(5)	190259041	225107192	194301966	203455724	256346640	213894113
Aroclor-1260-1	(1)	323556261	384398229	325080870	345614732	439430840	363616186
Aroclor-1260-2	(2)	380169221	447473156	380437468	406161280	512175220	425283269
Aroclor-1260-3	(3)	283558760	341454909	286101904	308647288	380329960	320018564
Aroclor-1260-4	(4)	312217727	361521353	312775352	331555792	415350080	346684061
Aroclor-1260-5	(5)	620067994	702829049	613772982	640111256	782955620	671947380
Decachlorobiphenyl		4454616010	4985436680	4586472960	4848844640	5642792400	4903632538
Tetrachloro-m-xylene		8436633370	9483033507	8281680760	8327788040	9392659000	8784358935
Aroclor-1242-1	(1)	237040632	252190588	262761154	196465108	208291820	231349860
Aroclor-1242-2	(2)	366465915	388775896	398603828	300280744	320351560	354895589
Aroclor-1242-3	(3)	224665560	240988119	249288762	188653588	194708540	219660914
Aroclor-1242-4	(4)	185314637	198956291	205376052	152766156	159538020	180390231
Aroclor-1242-5	(5)	187989369	199126211	201931866	155177412	149021080	178649188
Decachlorobiphenyl		4827134530	5140859240	5123585200	4487668880	4407793600	4797408290
Tetrachloro-m-xylene		9054818110	9399839493	9617040600	7068061960	7449467600	8517845553
Aroclor-1248-1	(1)	140769989	176044924	152770528	185077064	188065040	168545509
Aroclor-1248-2	(2)	189598632	242962264	208275558	253597020	259029420	230692579
Aroclor-1248-3	(3)	226137175	288210208	248310808	294082480	305656880	272479510
Aroclor-1248-4	(4)	243567858	303063015	265178762	312989432	314094940	287778801
Aroclor-1248-5	(5)	243460233	300617021	261892974	309900592	297134360	282601036
Decachlorobiphenyl		4077418610	4569822893	4368039480	4874713360	4737924000	4525583669
Tetrachloro-m-xylene		7046693990	8867332280	7460191140	8959430560	8503520200	8167433634
Aroclor-1254-1	(1)	244931601	257028039	299758826	350182748	309636920	292307627
Aroclor-1254-2	(2)	375915610	391119091	453912216	524119168	421950300	433403277
Aroclor-1254-3	(3)	398028348	413210249	467605608	534190656	441172800	450841532
Aroclor-1254-4	(4)	275490358	289763351	324289754	365949704	334305820	317959797
Aroclor-1254-5	(5)	309533793	327412227	365461662	413954888	340919520	351456418
Decachlorobiphenyl		4021235010	4213027827	4504261640	4987917200	4173036600	4379895655
Tetrachloro-m-xylene		6889782670	6993949120	8114968240	9115594080	6774140200	7577686862



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q2651

Calibration Date(s): 07/23/2025 07/23/2025
Calibration Times: 02:59 09:21

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

LAB FILE ID:		CF 1000 = <u>PQ070551.D</u>		CF 750 = <u>PQ070552.D</u>			
CF 500 = <u>PQ070553.D</u>		CF 250 = <u>PQ070554.D</u>		CF 050 = <u>PQ070555.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	298766078	344953277	299885354	317012020	408634660	333850278
Aroclor-1016-2	(2)	445658163	515836040	444159442	470537788	586431400	492524567
Aroclor-1016-3	(3)	245948466	284757137	251229912	261153328	332067400	275031249
Aroclor-1016-4	(4)	210396836	246922508	217712204	231296900	299164700	241098630
Aroclor-1016-5	(5)	247770142	290559447	253980704	270902856	344950480	281632726
Aroclor-1260-1	(1)	453025033	525880900	460526970	482441344	629155180	510205885
Aroclor-1260-2	(2)	533159388	618656547	541057240	572510972	747442480	602565325
Aroclor-1260-3	(3)	515394968	602730325	517845846	545922736	701506340	576680043
Aroclor-1260-4	(4)	417279974	485396243	429939028	459510336	585665120	475558140
Aroclor-1260-5	(5)	1022966863	1160438275	1023501880	1027161500	1225619460	1091937596
Decachlorobiphenyl		7862559810	8808359960	8136393720	8642238200	10232286400	8736367618
Tetrachloro-m-xylene		9563241020	10723038533	9366953020	9484780080	10756415600	9978885651
Aroclor-1242-1	(1)	279750975	294121277	310310452	241068800	270487340	279147769
Aroclor-1242-2	(2)	416719263	448183767	453769560	354658088	382826840	411231504
Aroclor-1242-3	(3)	229956103	245400851	256773690	198027276	221507280	230333040
Aroclor-1242-4	(4)	210990417	228894237	239543534	187188300	213099180	215943134
Aroclor-1242-5	(5)	267711406	285745385	296843300	237037468	266503960	270768304
Decachlorobiphenyl		8342107260	8931030960	8958150800	8059468440	8319917200	8522134932
Tetrachloro-m-xylene		10016528680	10536897000	10782451660	8066958880	8707911000	9622149444
Aroclor-1248-1	(1)	169221368	212129965	186383090	225987748	239066800	206557794
Aroclor-1248-2	(2)	250725051	315820681	277225770	337903896	365963720	309527824
Aroclor-1248-3	(3)	243125358	303615968	268785388	324408512	351977920	298382629
Aroclor-1248-4	(4)	298975780	372856665	325943614	388505444	412401240	359736549
Aroclor-1248-5	(5)	289340439	351929112	316291242	378436252	395697320	346338873
Decachlorobiphenyl		7302903530	8105255467	7842242280	8713258080	8733405200	8139412911
Tetrachloro-m-xylene		8258599870	10303002347	8719959540	10134006640	10061786400	9495470959
Aroclor-1254-1	(1)	424683507	444383707	506635646	592376884	545620600	502740069
Aroclor-1254-2	(2)	368624938	389059817	441713570	515543416	449393020	432866952
Aroclor-1254-3	(3)	593887531	626298867	697751708	796835612	699955880	682945920
Aroclor-1254-4	(4)	360831773	374667247	414383558	468981064	400124280	403797584
Aroclor-1254-5	(5)	541932198	568787055	628520750	709202976	592169220	608122440
Decachlorobiphenyl		7139517770	7469595013	7951309220	8606743640	8083081600	7850049449
Tetrachloro-m-xylene		7897572440	8198495387	9449576060	10677316480	7996023600	8843796793



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
Instrument ID: ECD_Q **Date(s) Analyzed:** 07/23/2025 07/23/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.60	3.50	3.70	107720000
		2	3.68	3.58	3.78	79968600
		3	3.75	3.65	3.85	237190000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.74	3.64	3.84	192234000
		2	4.23	4.13	4.33	102887000
		3	4.50	4.40	4.60	183998000
		4	4.65	4.55	4.75	92524800
		5	4.79	4.69	4.89	76360800
Aroclor-1262	500	1	6.84	6.74	6.94	467030000
		2	7.15	7.05	7.25	801858000
		3	7.42	7.32	7.52	531024000
		4	7.50	7.40	7.60	419894000
		5	7.99	7.89	8.09	247548000
Aroclor-1268	500	1	7.42	7.32	7.52	777450000
		2	7.50	7.40	7.60	714978000
		3	7.68	7.58	7.78	590270000
		4	7.99	7.89	8.09	245734000
		5	8.28	8.18	8.38	1726870000



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
Instrument ID: ECD_Q **Date(s) Analyzed:** 07/23/2025 07/23/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	2.98	2.88	3.08	127869000
		2	3.06	2.96	3.16	99387600
		3	3.12	3.02	3.22	281312000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.12	3.02	3.22	226522000
		2	3.80	3.70	3.90	215034000
		3	3.96	3.86	4.06	117092000
		4	4.04	3.94	4.14	100788000
		5	4.20	4.10	4.30	109734000
Aroclor-1262	500	1	5.74	5.64	5.84	740084000
		2	5.99	5.89	6.09	675084000
		3	6.51	6.41	6.61	514136000
		4	6.57	6.47	6.67	930348000
		5	7.06	6.96	7.16	429938000
Aroclor-1268	500	1	6.51	6.41	6.61	1257150000
		2	6.57	6.47	6.67	1161680000
		3	6.77	6.67	6.87	1003700000
		4	7.06	6.96	7.16	437268000
		5	7.32	7.22	7.42	3015760000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070551.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 02:59
 Operator : YP\AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 03:46:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 03:45:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.781	843.7E6	956.3E6	101.871	102.096
2) SA Decachlor...	8.499	7.539	445.5E6	786.3E6	97.125	96.634
Target Compounds						
3) L1 AR-1016-1	4.483	3.781	248.2E6	298.8E6	986.726	996.268
4) L1 AR-1016-2	4.501	3.797	387.0E6	445.7E6	1008.635	1003.374
5) L1 AR-1016-3	4.559	3.957	237.2E6	245.9E6	986.794	978.978
6) L1 AR-1016-4	4.649	4.006	195.8E6	210.4E6	994.694	966.399
7) L1 AR-1016-5	4.933	4.201	190.3E6	247.8E6	979.193	975.547
31) L7 AR-1260-1	6.023	5.194	323.6E6	453.0E6	995.310	983.710
32) L7 AR-1260-2	6.279	5.383	380.2E6	533.2E6	999.295	985.403
33) L7 AR-1260-3	6.630	5.524	283.6E6	515.4E6	991.111	995.267
34) L7 AR-1260-4	6.844	5.984	312.2E6	417.3E6	998.217	970.556
35) L7 AR-1260-5	7.150	6.229	620.1E6	1023.0E6	1010.256	999.477

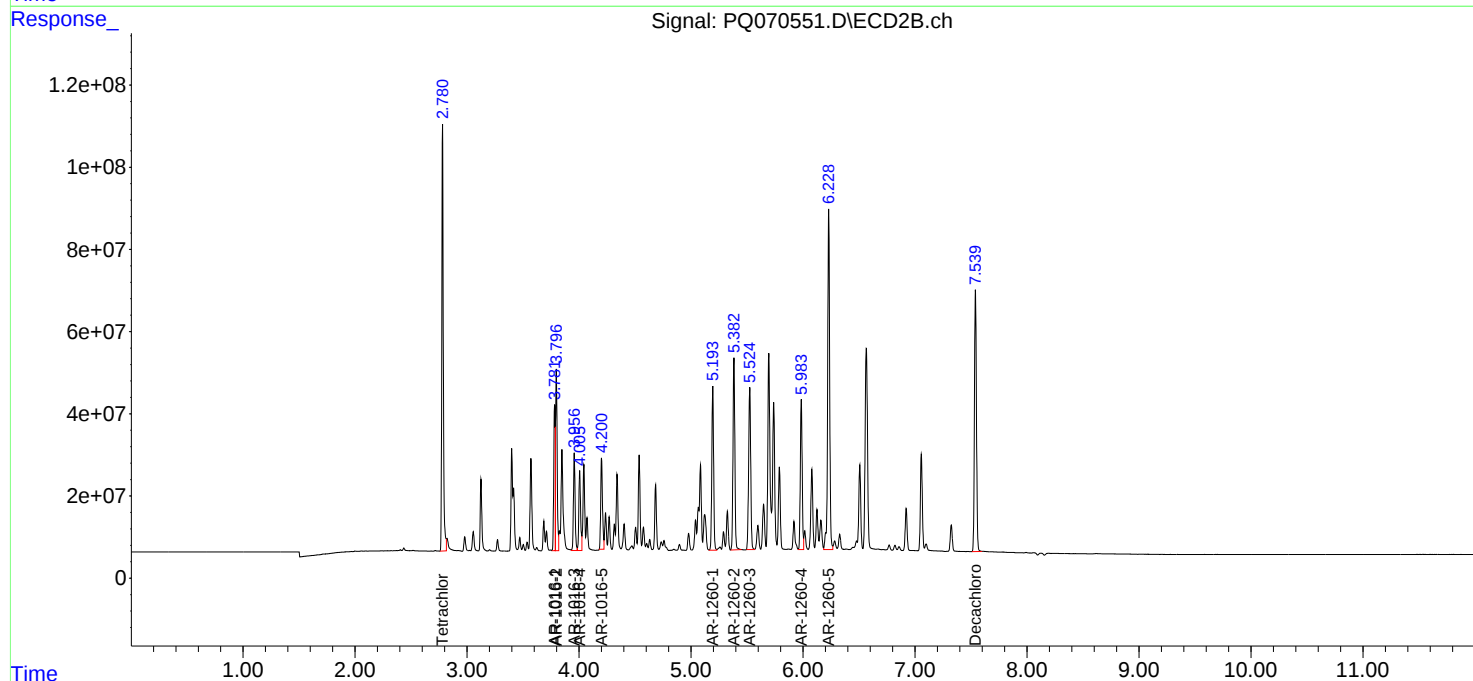
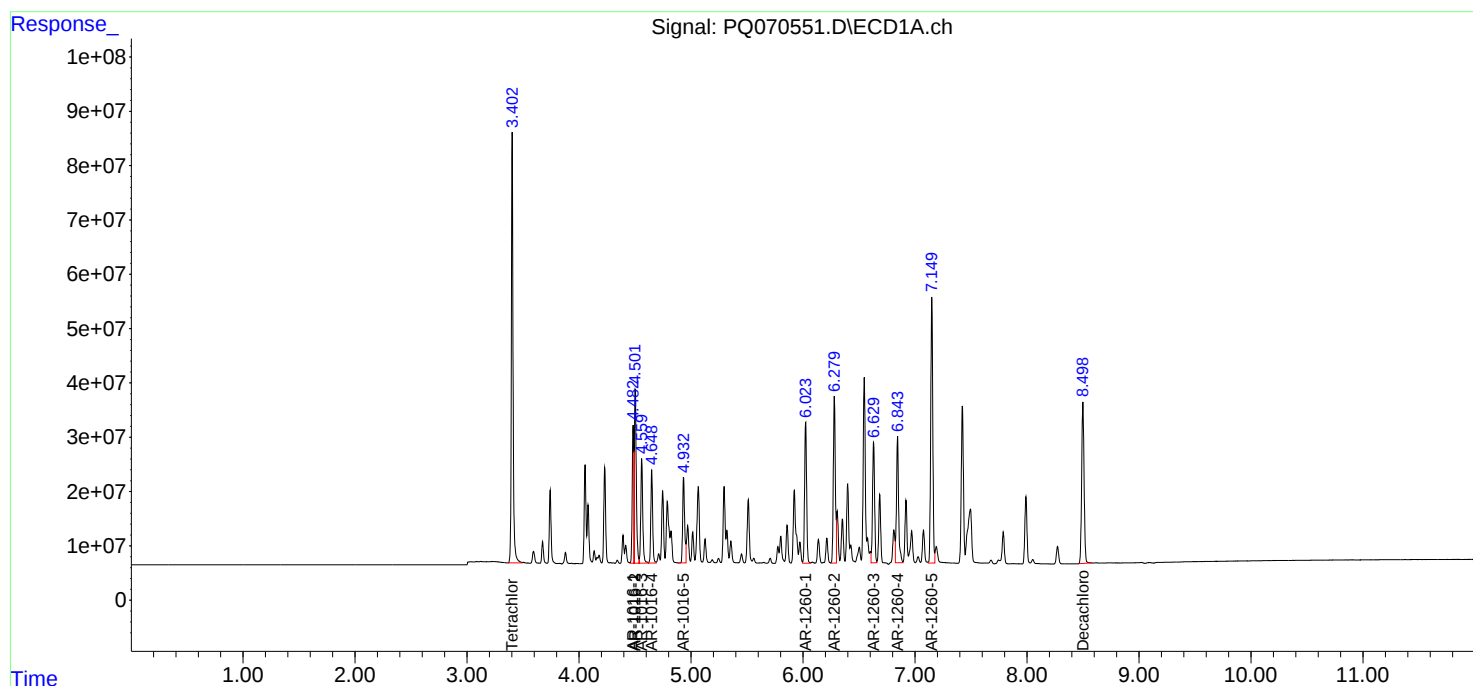
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 02:59
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070552.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 03:13
 Operator : YP\AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 03:46:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 03:45:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.403	2.780	711.2E6	804.2E6	85.880	85.858
2)	SA Decachlor...	8.500	7.540	373.9E6	660.6E6	81.524	81.194
Target Compounds							
3)	L1 AR-1016-1	4.483	3.781	216.3E6	258.7E6	859.968	862.713
4)	L1 AR-1016-2	4.502	3.797	338.1E6	386.9E6	880.994	871.032
5)	L1 AR-1016-3	4.560	3.957	208.0E6	213.6E6	865.203	850.089
6)	L1 AR-1016-4	4.649	4.005	171.7E6	185.2E6	871.935	850.627
7)	L1 AR-1016-5	4.934	4.201	168.8E6	217.9E6	868.907	858.016
31)	L7 AR-1260-1	6.024	5.194	288.3E6	394.4E6	886.852	856.433
32)	L7 AR-1260-2	6.280	5.383	335.6E6	464.0E6	882.155	857.566
33)	L7 AR-1260-3	6.631	5.524	256.1E6	452.0E6	895.105	872.939
34)	L7 AR-1260-4	6.844	5.984	271.1E6	364.0E6	866.887	846.741
35)	L7 AR-1260-5	7.149	6.229	527.1E6	870.3E6	858.822	850.344

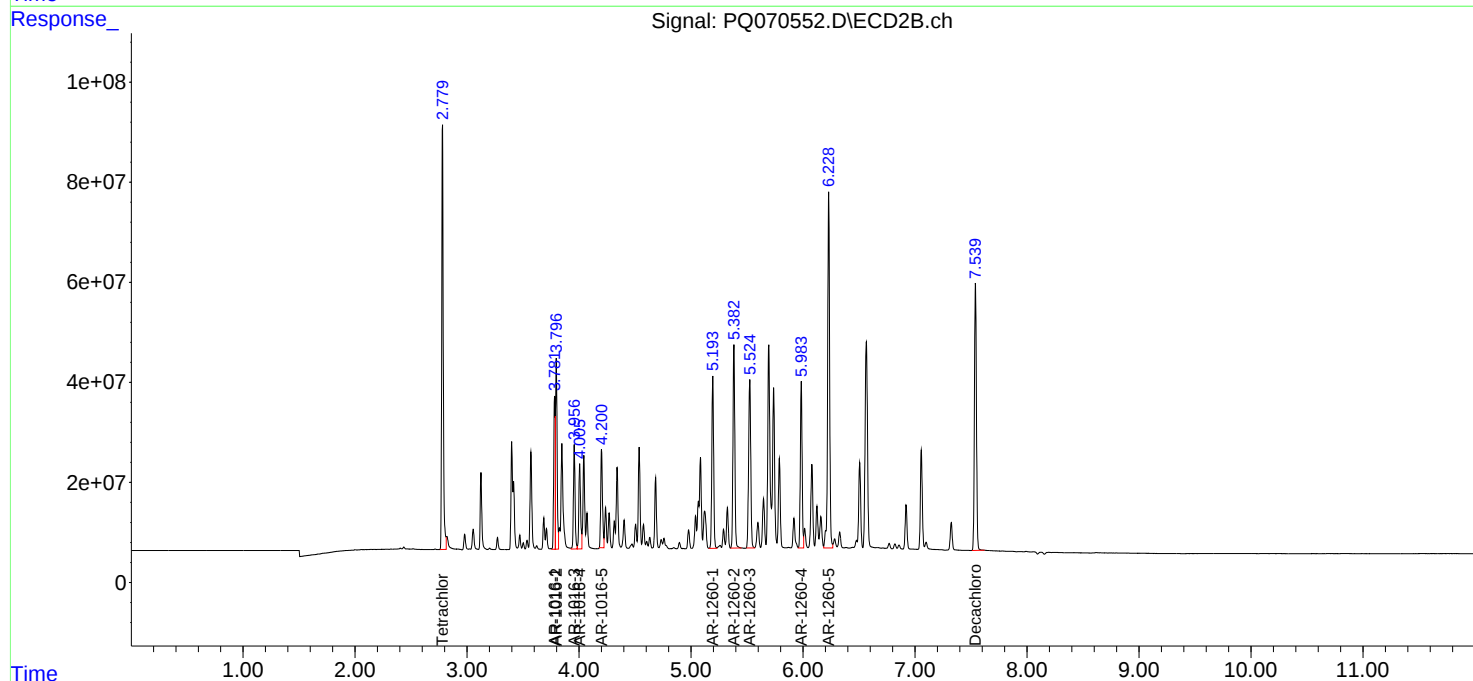
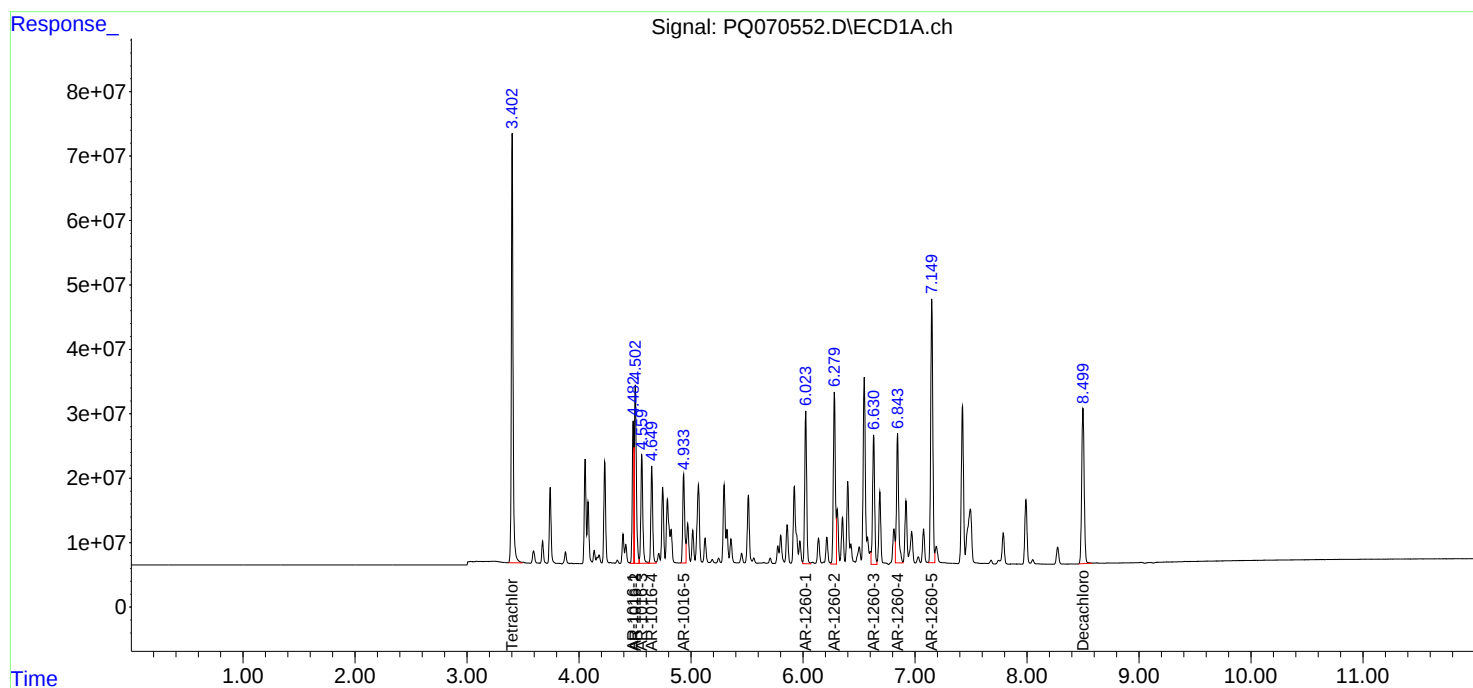
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:13
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070553.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 03:28
 Operator : YP\AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 03:46:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 03:45:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	414.1E6	468.3E6	50.000	50.000
2) SA Decachlor...	8.499	7.540	229.3E6	406.8E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	4.483	3.781	125.8E6	149.9E6	500.000	500.000
4) L1 AR-1016-2	4.502	3.797	191.9E6	222.1E6	500.000	500.000
5) L1 AR-1016-3	4.560	3.957	120.2E6	125.6E6	500.000	500.000
6) L1 AR-1016-4	4.650	4.006	98436040	108.9E6	500.000	500.000
7) L1 AR-1016-5	4.934	4.201	97150983	127.0E6	500.000	500.000
31) L7 AR-1260-1	6.023	5.194	162.5E6	230.3E6	500.000	500.000
32) L7 AR-1260-2	6.280	5.384	190.2E6	270.5E6	500.000	500.000
33) L7 AR-1260-3	6.631	5.524	143.1E6	258.9E6	500.000	500.000
34) L7 AR-1260-4	6.845	5.985	156.4E6	215.0E6	500.000	500.000
35) L7 AR-1260-5	7.150	6.229	306.9E6	511.8E6	500.000	500.000

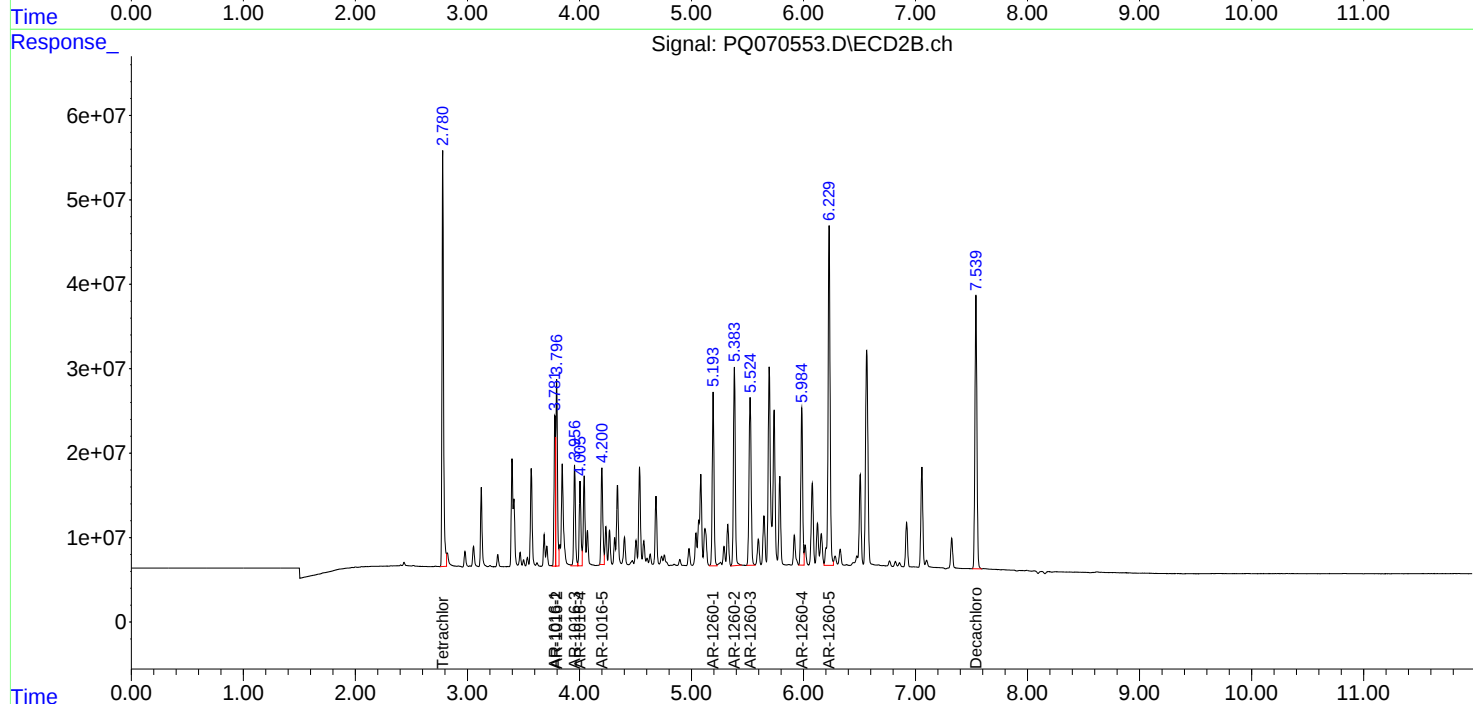
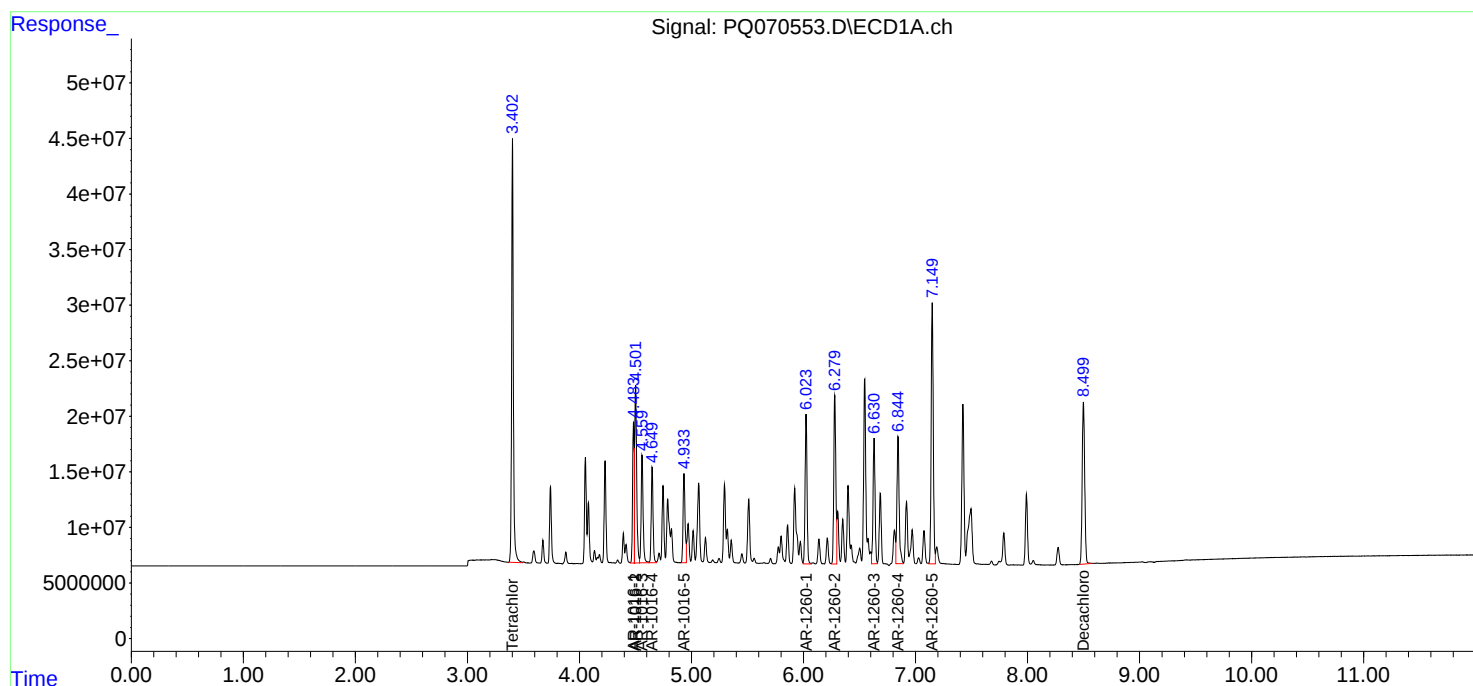
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:28
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:46:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070554.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 03:42
 Operator : YP\AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 03:53:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 03:45:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	208.2E6	237.1E6	25.139	25.314
2) SA Decachlor...	8.500	7.539	121.2E6	216.1E6	26.430	26.554
Target Compounds						
3) L1 AR-1016-1	4.483	3.781	64829993	79253005	257.696	264.278
4) L1 AR-1016-2	4.502	3.797	102.0E6	117.6E6	265.769	264.847
5) L1 AR-1016-3	4.560	3.957	63411613	65288332	263.770	259.875
6) L1 AR-1016-4	4.650	4.006	51676916	57824225	262.490	265.599
7) L1 AR-1016-5	4.934	4.201	50863931	67725714	261.778	266.657
31) L7 AR-1260-1	6.024	5.194	86403683	120.6E6	265.791	261.896
32) L7 AR-1260-2	6.280	5.383	101.5E6	143.1E6	266.904	264.533
33) L7 AR-1260-3	6.630	5.524	77161822	136.5E6	269.700	263.555
34) L7 AR-1260-4	6.845	5.985	82888948	114.9E6	265.011	267.195
35) L7 AR-1260-5	7.150	6.229	160.0E6	256.8E6	260.728	250.894

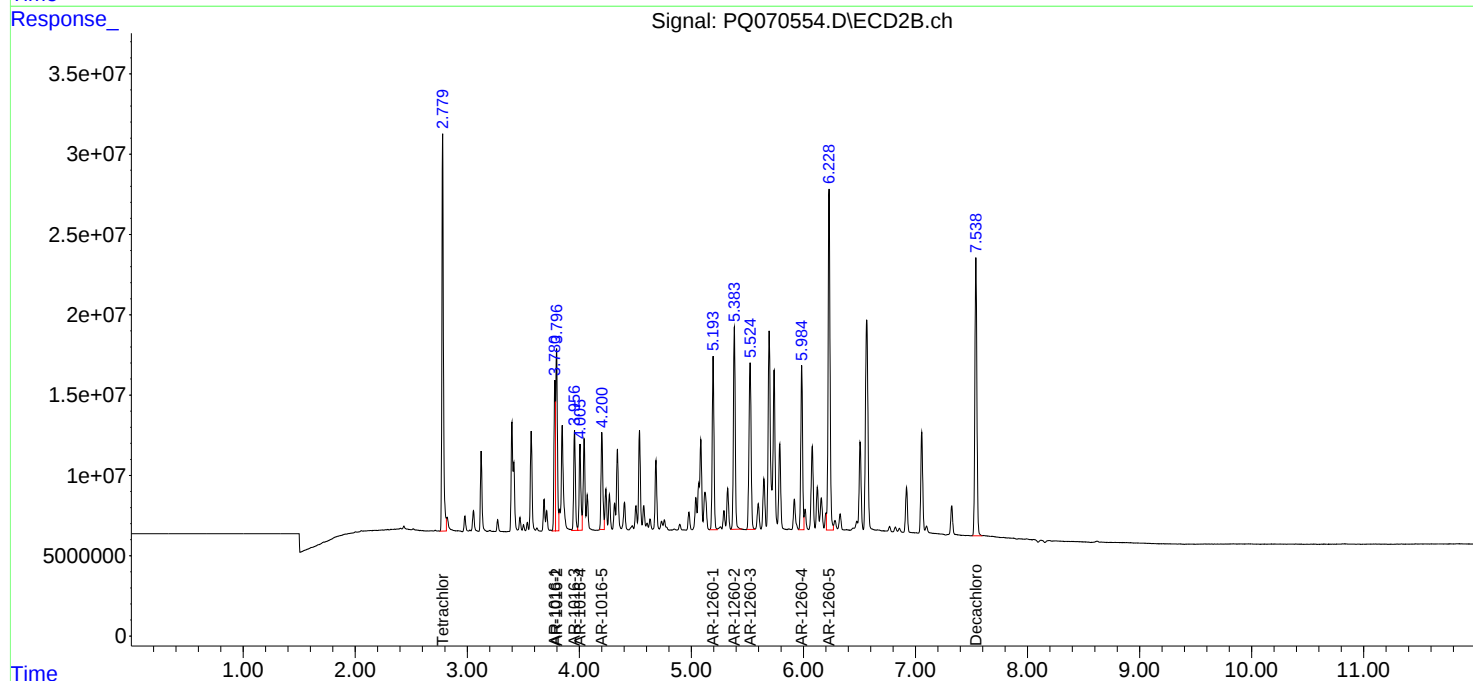
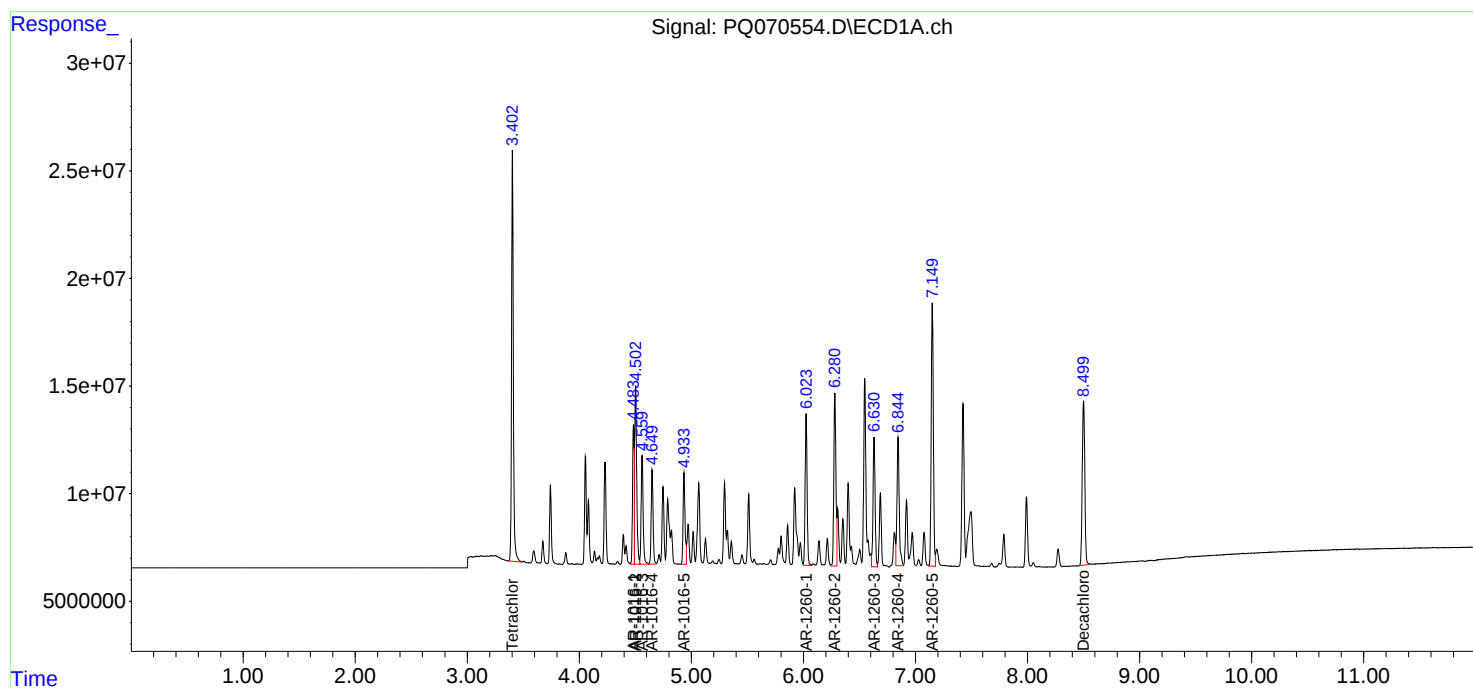
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:42
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 03:53:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070555.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 03:57
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2025
 Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 04:07:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 03:45:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	46963295	53782078	5.671	5.742
2) SA Decachlor...	8.500	7.540	28213962	51161432	6.152	6.288
Target Compounds						
3) L1 AR-1016-1	4.484	3.781	16798217	20431733	66.772	68.132
4) L1 AR-1016-2	4.502	3.797	24941743	29321570	64.999	66.016
5) L1 AR-1016-3	4.560	3.957	15840205	16603370	65.890	66.088
6) L1 AR-1016-4	4.649	4.006	12700473	14958235	64.511	68.706
7) L1 AR-1016-5	4.934	4.201	12817332	17247524	65.966	67.909
31) L7 AR-1260-1	6.023	5.193	21971542	31457759	67.588m	68.308m
32) L7 AR-1260-2	6.279	5.383	25608761	37372124	67.314m	69.072
33) L7 AR-1260-3	6.631	5.525	19016498	35075317	66.468	67.733
34) L7 AR-1260-4	6.845	5.985	20767504	29283256	66.398	68.110
35) L7 AR-1260-5	7.151	6.229	39147781	61280973	63.782	59.874

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 03:57
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

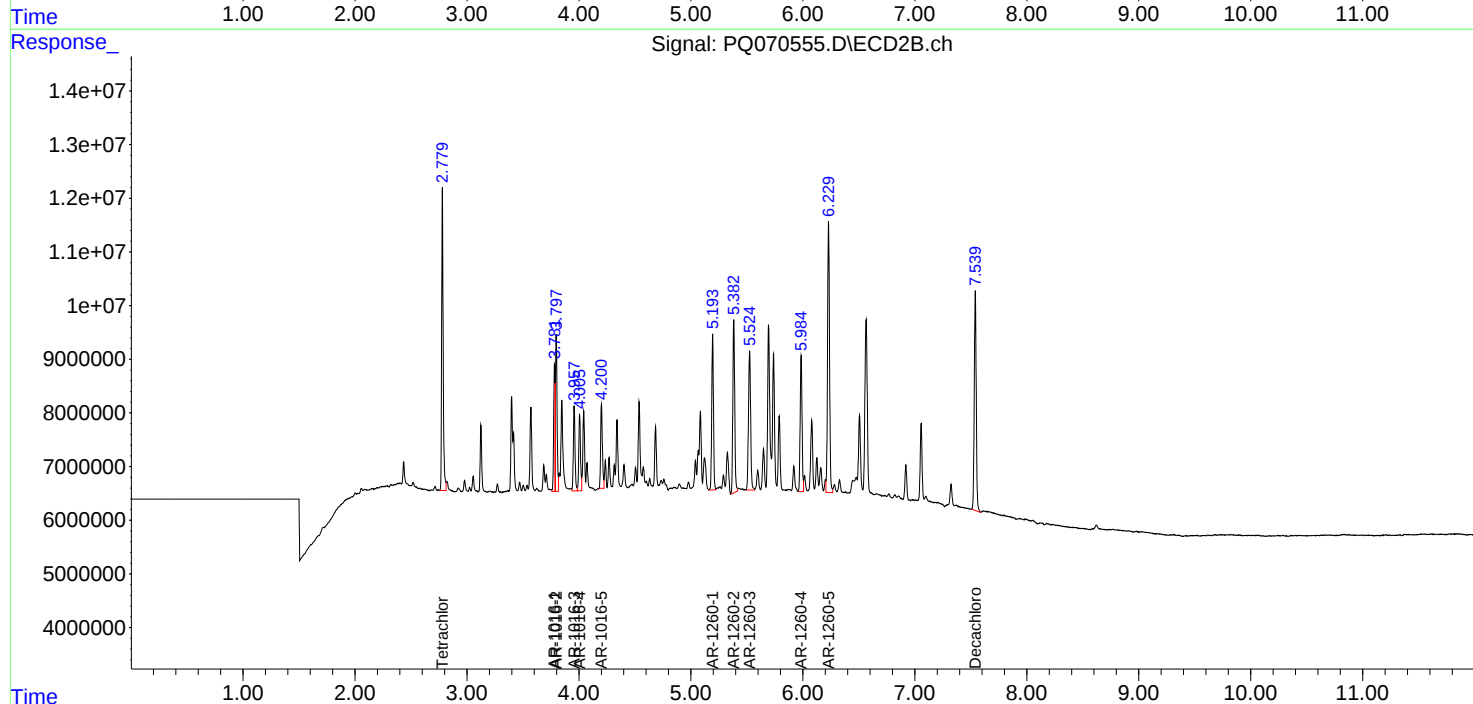
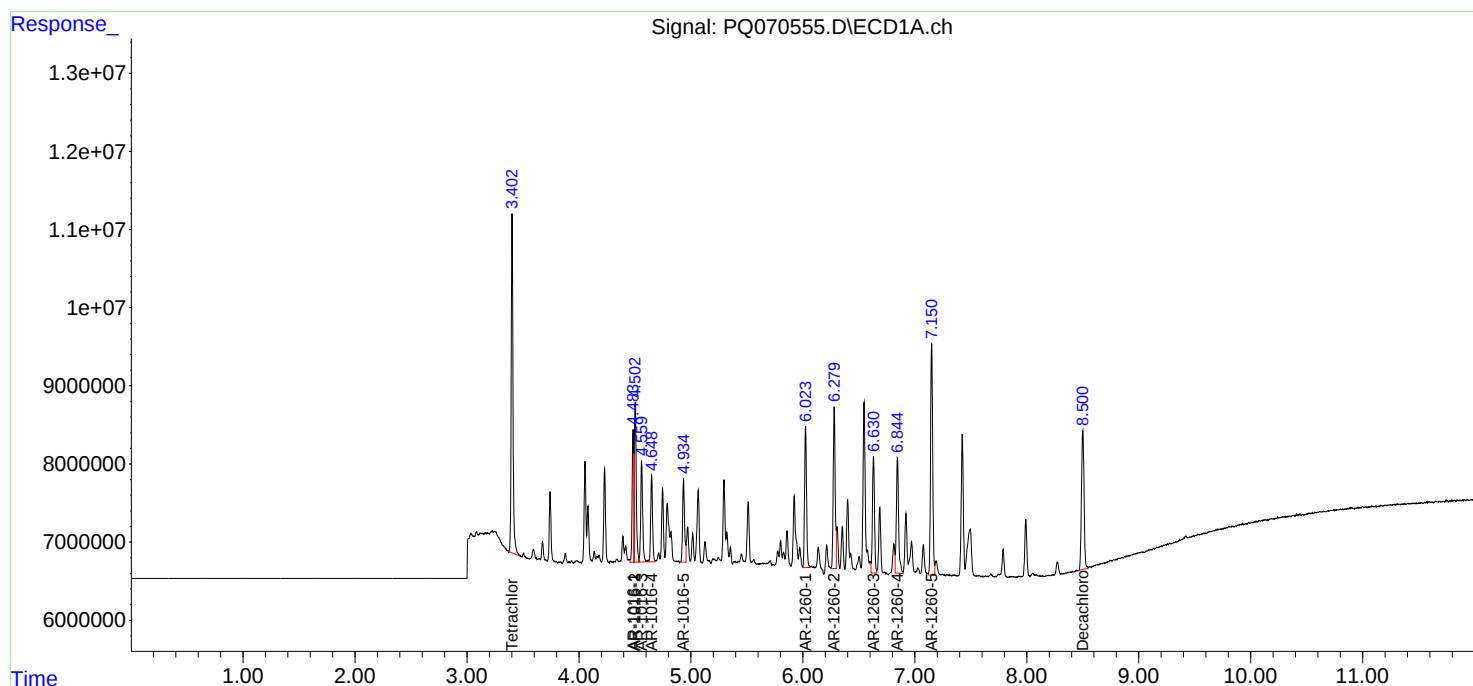
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 04:07:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 03:45:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070556.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 04:15
 Operator : YP\AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 05:11:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 05:11:22 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...	3.410	2.779	420.9E6	457.2E6	50.000	50.000
2) SA Decachlor...	8.507	7.541	226.1E6	400.6E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.604	2.979	53859930	63934559	500.000	500.000
9) L2 AR-1221-2	3.682	3.055	39984311	49693818	500.000	500.000
10) L2 AR-1221-3	3.750	3.124	118.6E6	140.7E6	500.000	500.000

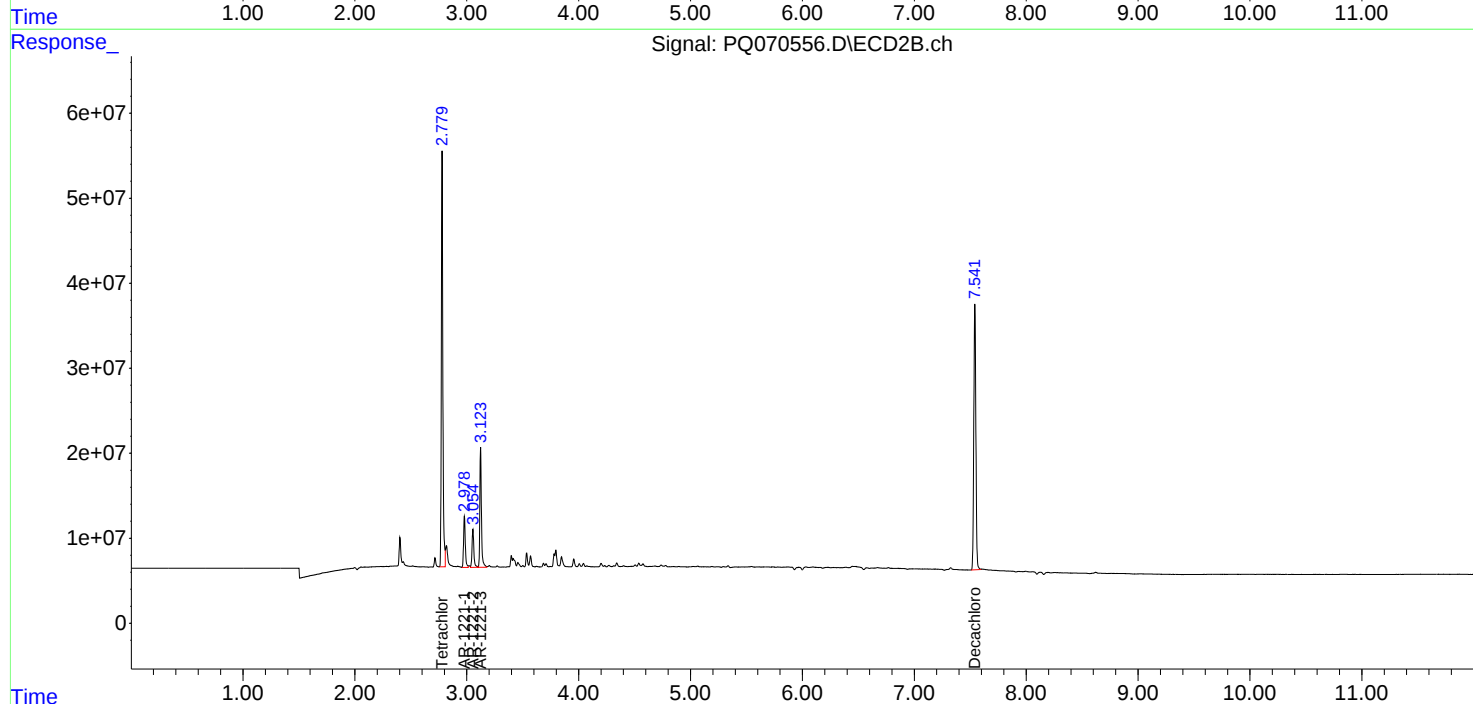
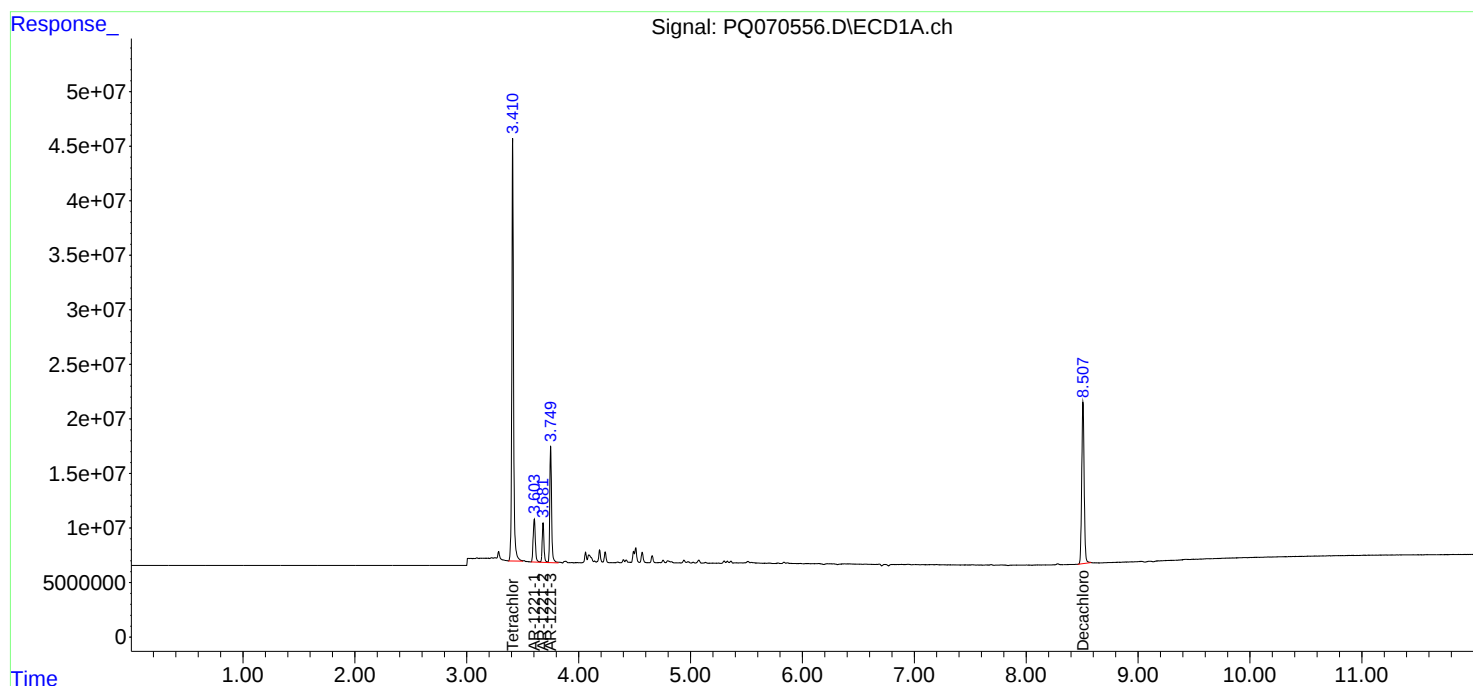
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:15
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:11:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:11:22 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070557.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 04:29
 Operator : YP\AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 05:16:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 05:16:24 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...	3.403	2.780	415.4E6	460.5E6	50.000	50.000
2) SA Decachlor...	8.500	7.540	223.7E6	395.4E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	3.742	3.124	96117208	113.3E6	500.000	500.000
12) L3 AR-1232-2	4.230	3.797	51443531	107.5E6	500.000	500.000
13) L3 AR-1232-3	4.503	3.957	91999044	58546174	500.000	500.000
14) L3 AR-1232-4	4.650	4.043	46262440	50393980	500.000	500.000
15) L3 AR-1232-5	4.789	4.201	38180427	54866898	500.000	500.000

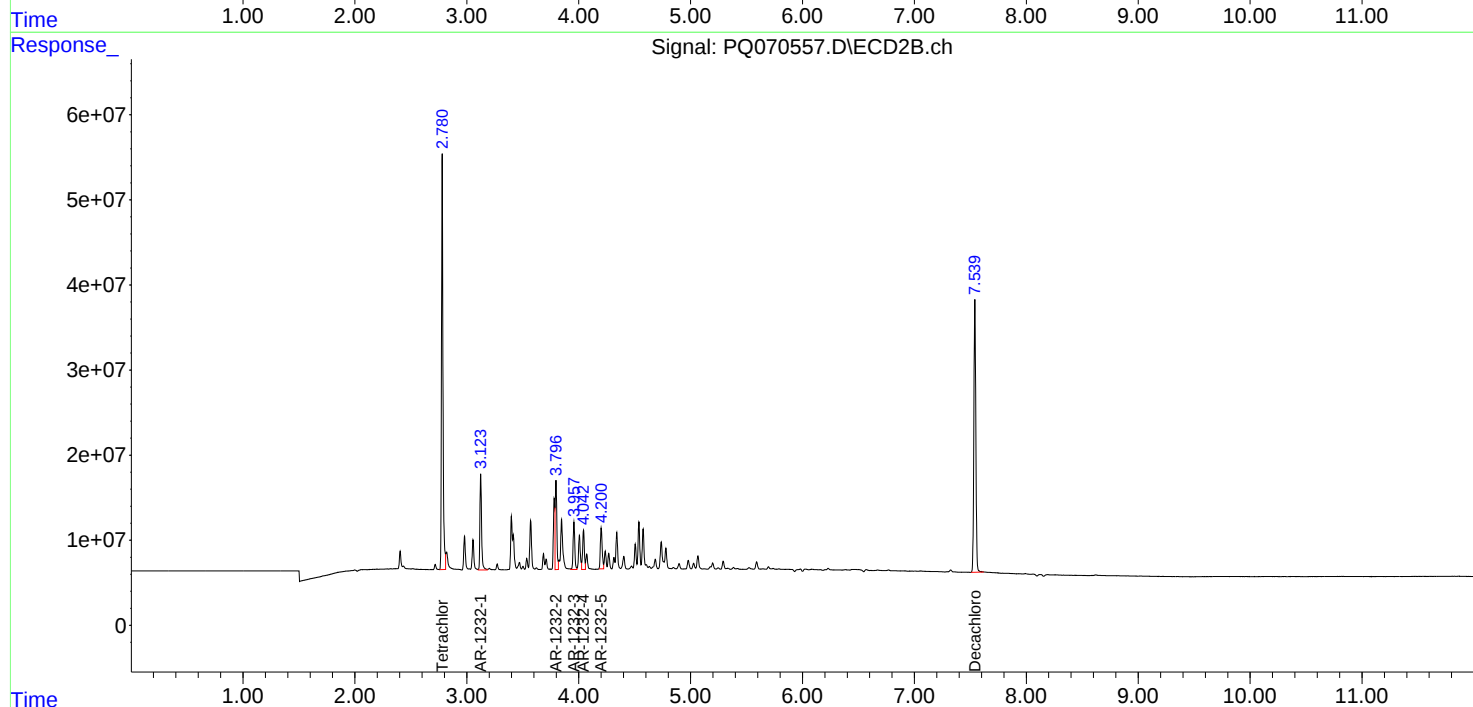
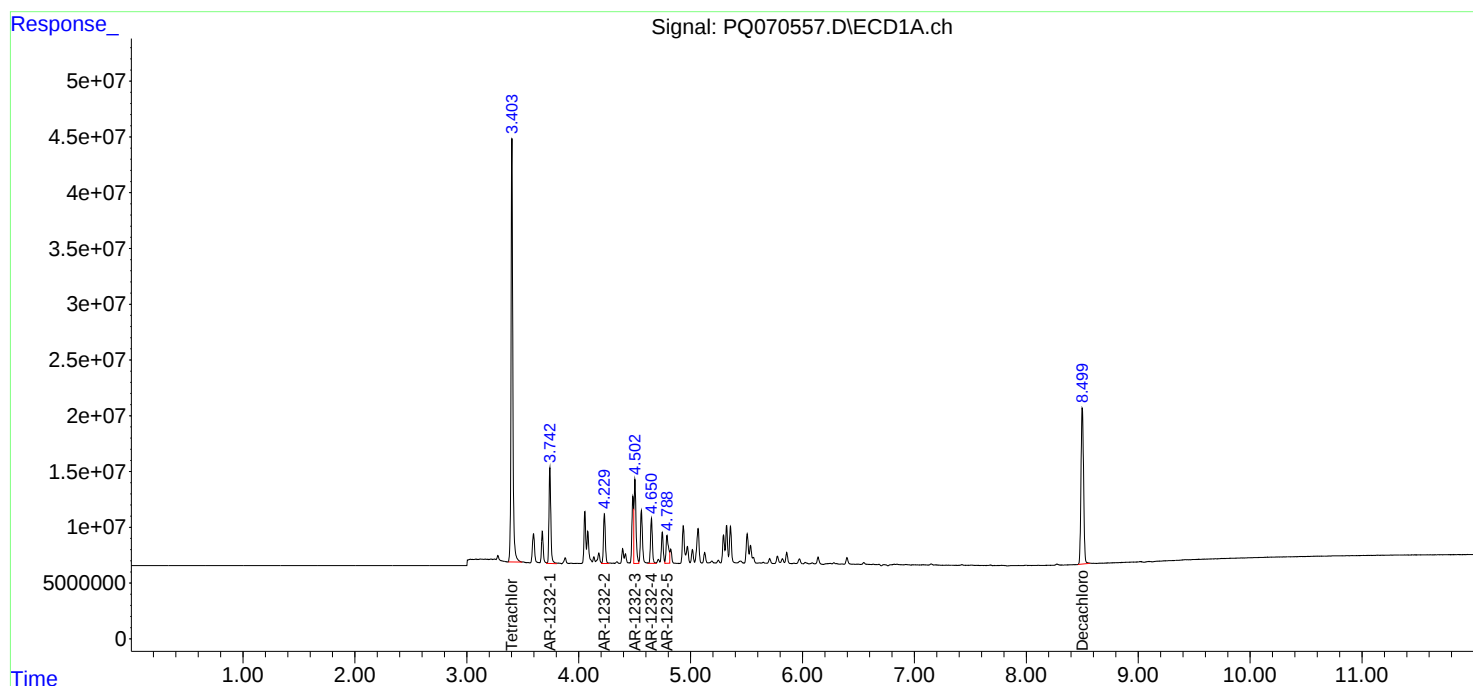
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:29
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:16:24 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070558.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 04:44
 Operator : YP\AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 05:25:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 05:25:20 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...	3.403	2.780	905.5E6	1001.7E6	94.154	92.897
2) SA Decachlor...	8.500	7.540	482.7E6	834.2E6	94.214	93.123
Target Compounds						
16) L4 AR-1242-1	4.483	3.781	237.0E6	279.8E6	902.114	901.520
17) L4 AR-1242-2	4.502	3.797	366.5E6	416.7E6	919.374	918.350
18) L4 AR-1242-3	4.560	3.957	224.7E6	230.0E6	901.226	895.559
19) L4 AR-1242-4	4.650	4.043	185.3E6	211.0E6	902.319	880.802
20) L4 AR-1242-5	5.356	4.538	188.0E6	267.7E6	930.954	901.861

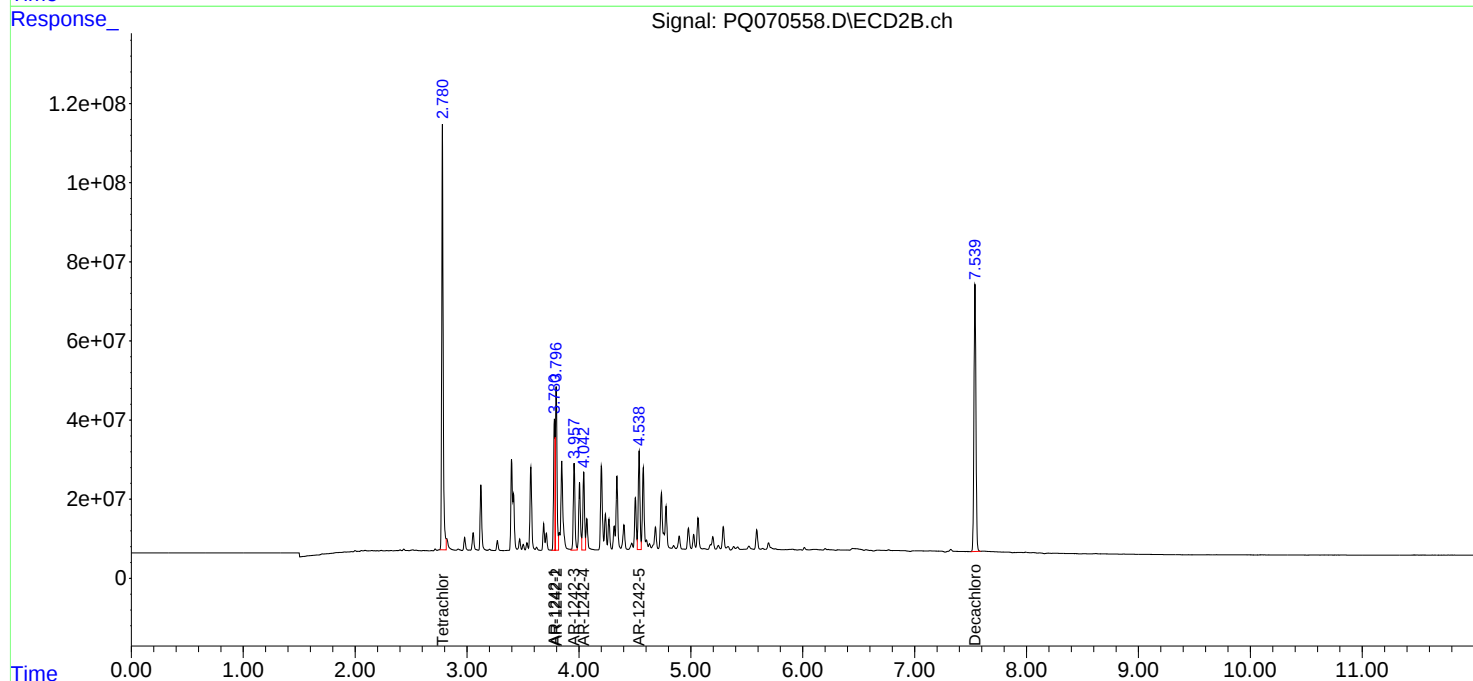
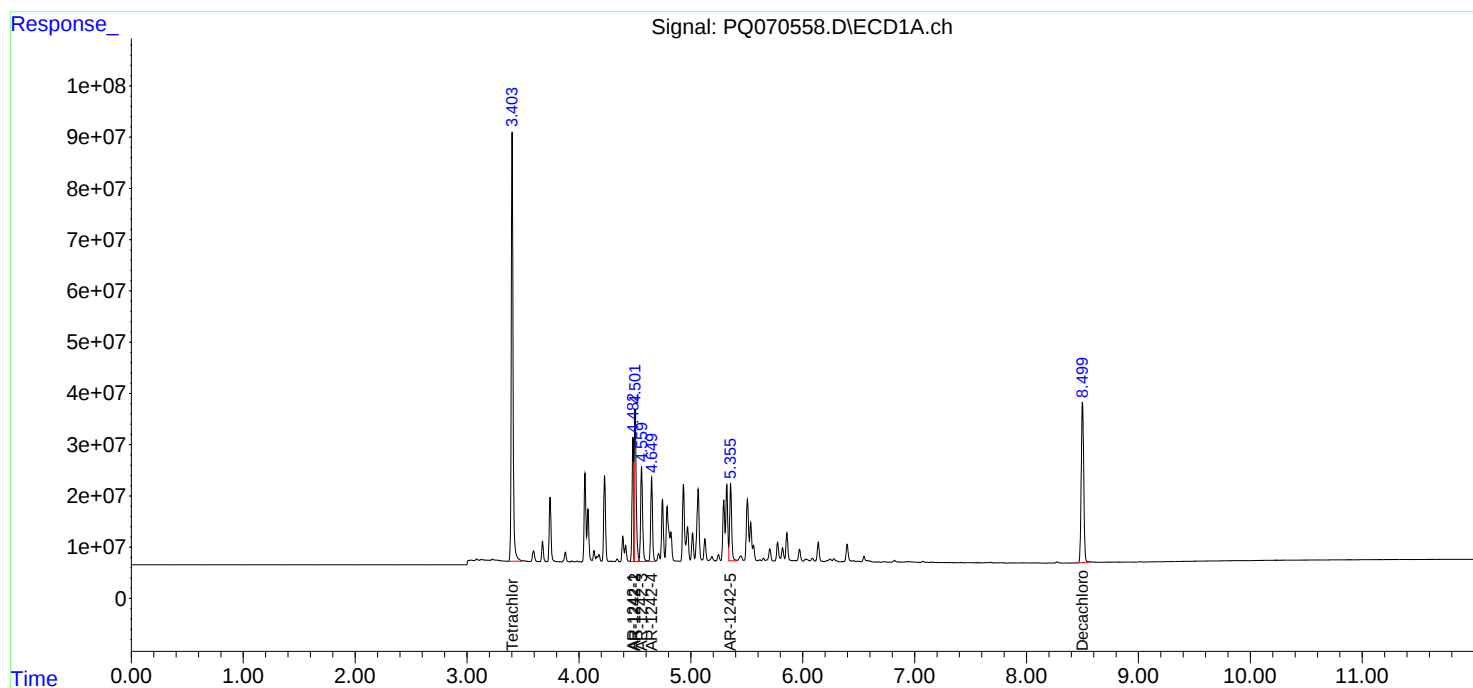
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:44
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:25:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070559.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 04:58
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 05:26:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 05:25:20 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...	3.403	2.780	705.0E6	790.3E6	73.306	73.292
2)	SA Decachlor...	8.500	7.540	385.6E6	669.8E6	75.253	74.773
Target Compounds							
16)	L4 AR-1242-1	4.483	3.781	189.1E6	220.6E6	719.828	710.872
17)	L4 AR-1242-2	4.502	3.797	291.6E6	336.1E6	731.508	740.768
18)	L4 AR-1242-3	4.559	3.957	180.7E6	184.1E6	725.027	716.782
19)	L4 AR-1242-4	4.649	4.043	149.2E6	171.7E6	726.556	716.658
20)	L4 AR-1242-5	5.355	4.538	149.3E6	214.3E6	739.579	721.960

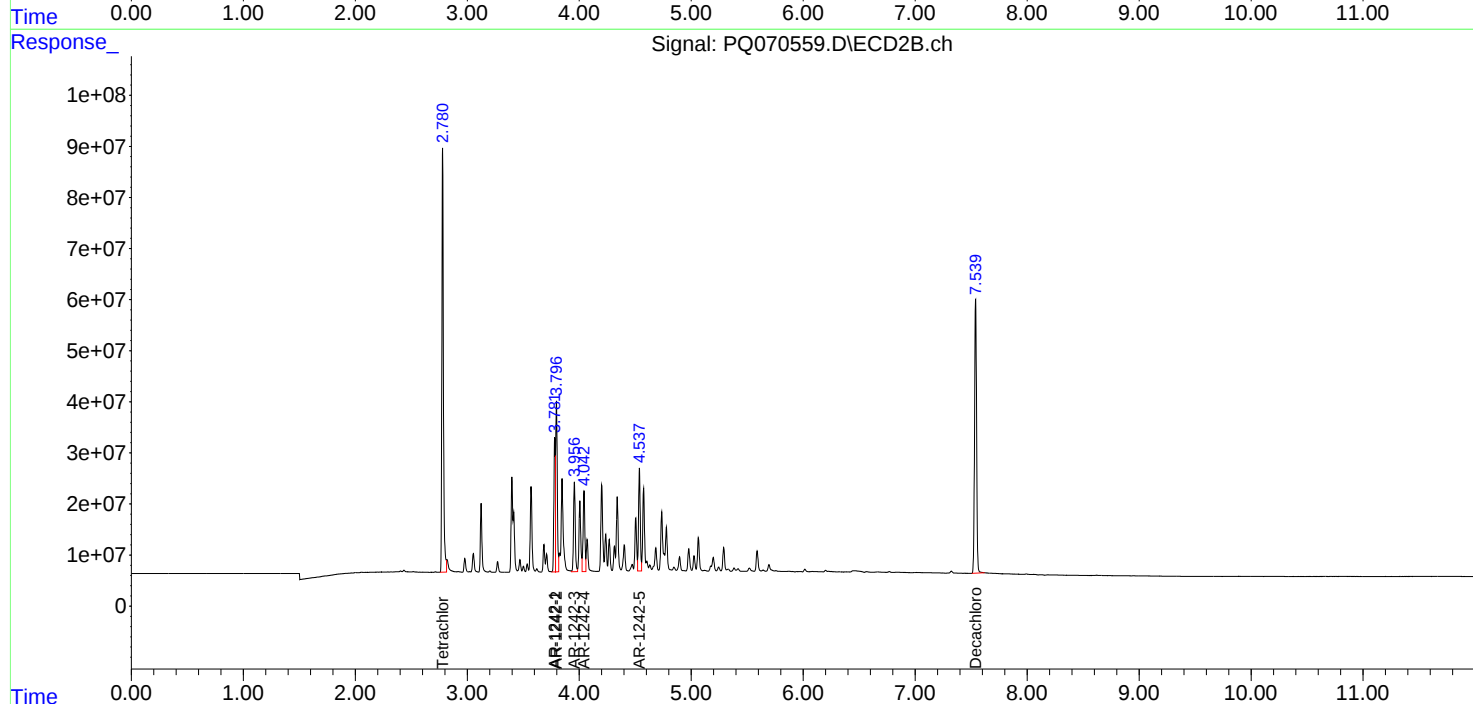
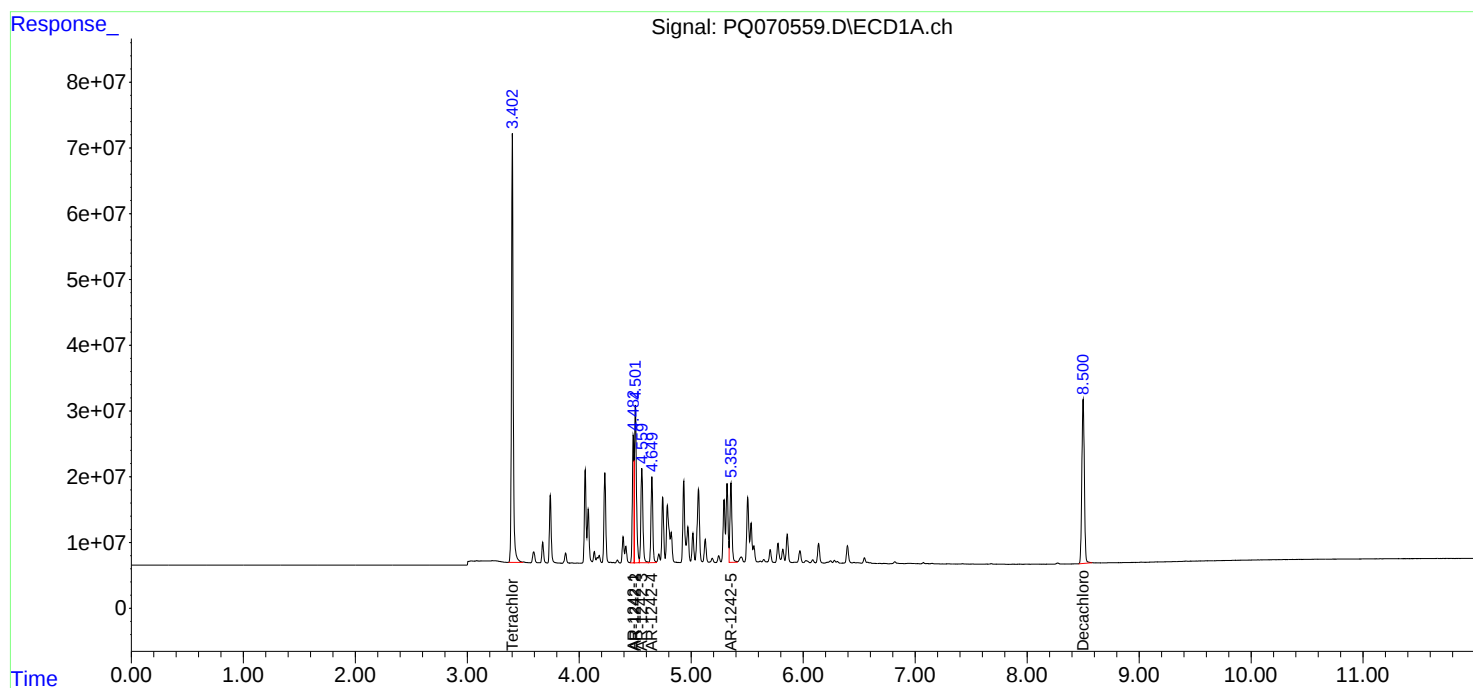
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 04:58
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:26:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070560.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 05:13
 Operator : YP\AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 05:26:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 05:25:20 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...	3.403	2.780	480.9E6	539.1E6	50.000	50.000
2) SA Decachlor...	8.500	7.540	256.2E6	447.9E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	4.483	3.781	131.4E6	155.2E6	500.000	500.000
17) L4 AR-1242-2	4.502	3.797	199.3E6	226.9E6	500.000	500.000
18) L4 AR-1242-3	4.559	3.957	124.6E6	128.4E6	500.000	500.000
19) L4 AR-1242-4	4.649	4.043	102.7E6	119.8E6	500.000	500.000
20) L4 AR-1242-5	5.356	4.538	101.0E6	148.4E6	500.000	500.000

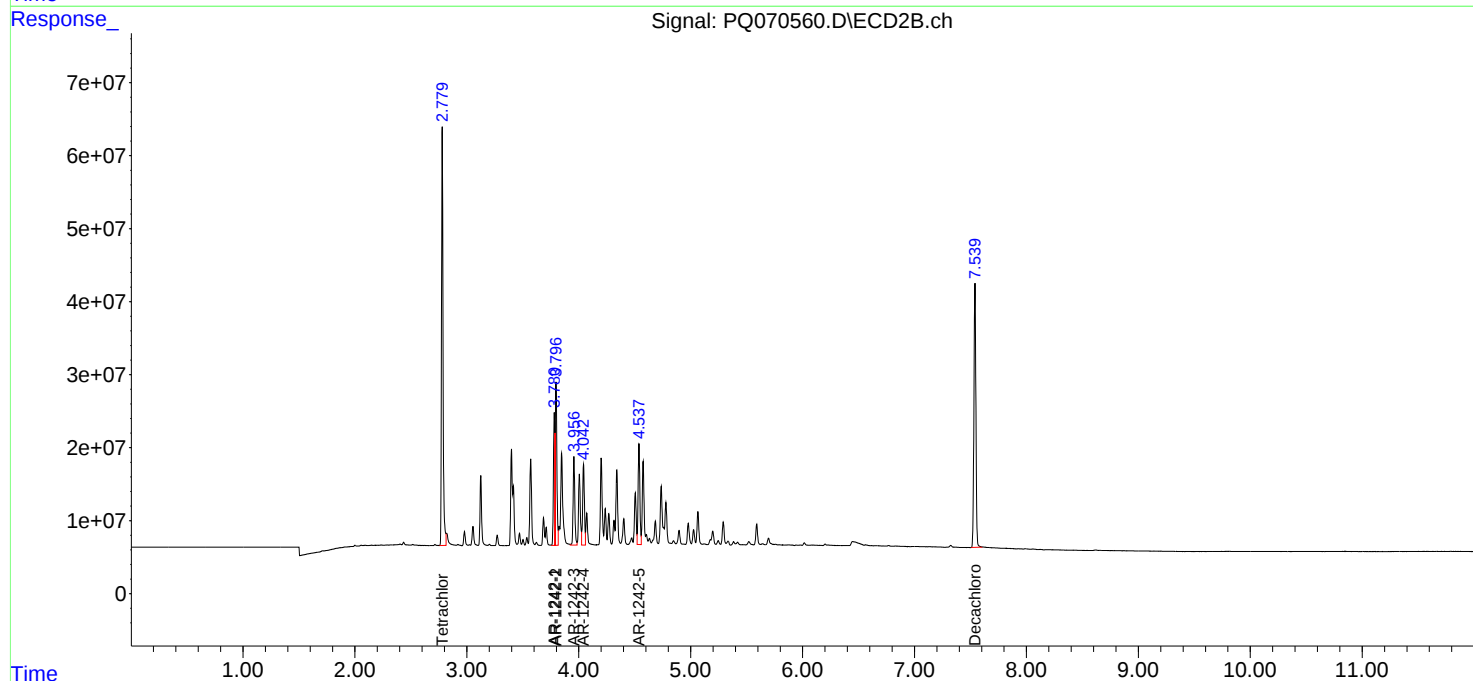
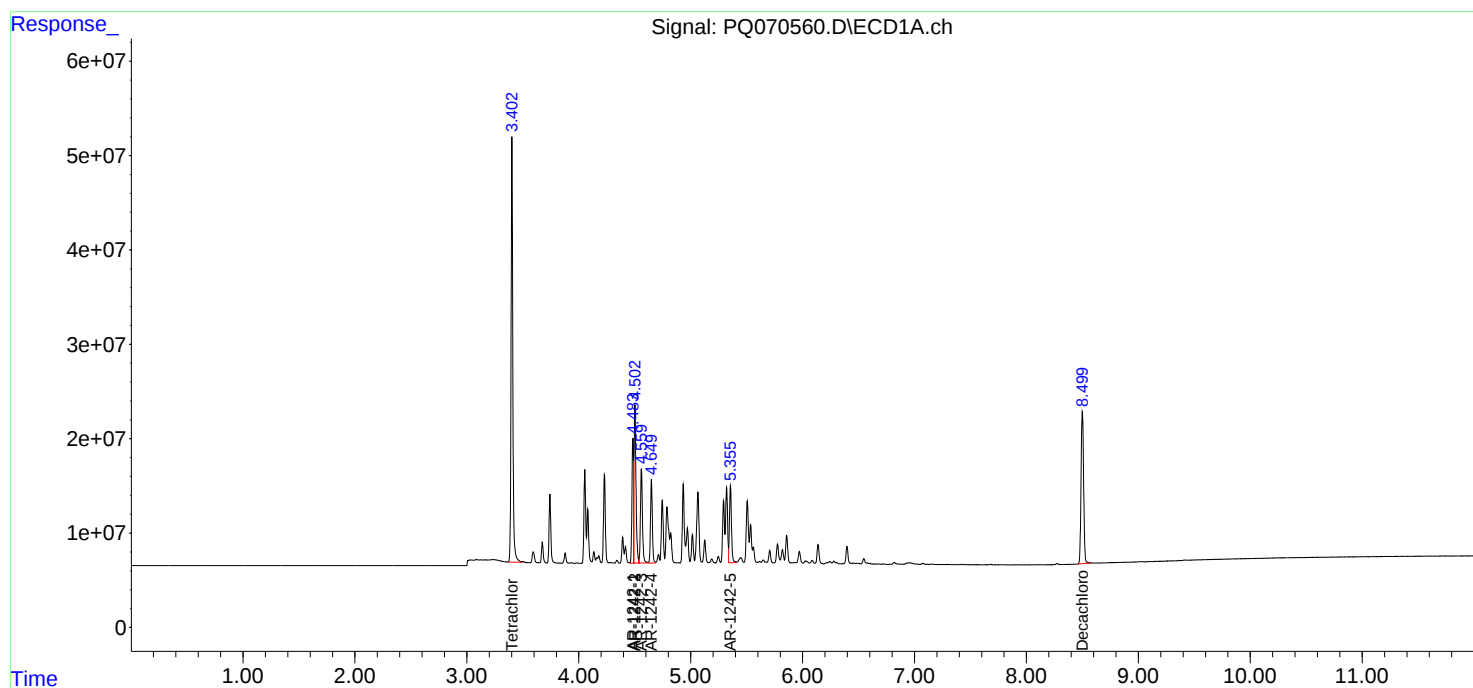
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:13
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 05:26:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070561.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 05:28
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 06:00:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 05:25:20 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...	3.403	2.780	176.7E6	201.7E6	18.374	18.704
2)	SA Decachlor...	8.499	7.540	112.2E6	201.5E6	21.897	22.492
Target Compounds							
16)	L4 AR-1242-1	4.483	3.781	49116277	60267200	186.924	194.216
17)	L4 AR-1242-2	4.502	3.797	75070186	88664522	188.333	195.395
18)	L4 AR-1242-3	4.560	3.957	47163397	49506819	189.192	192.803
19)	L4 AR-1242-4	4.649	4.043	38191539	46797075	185.959	195.359
20)	L4 AR-1242-5	5.355	4.538	38794353	59259367	192.116	199.632

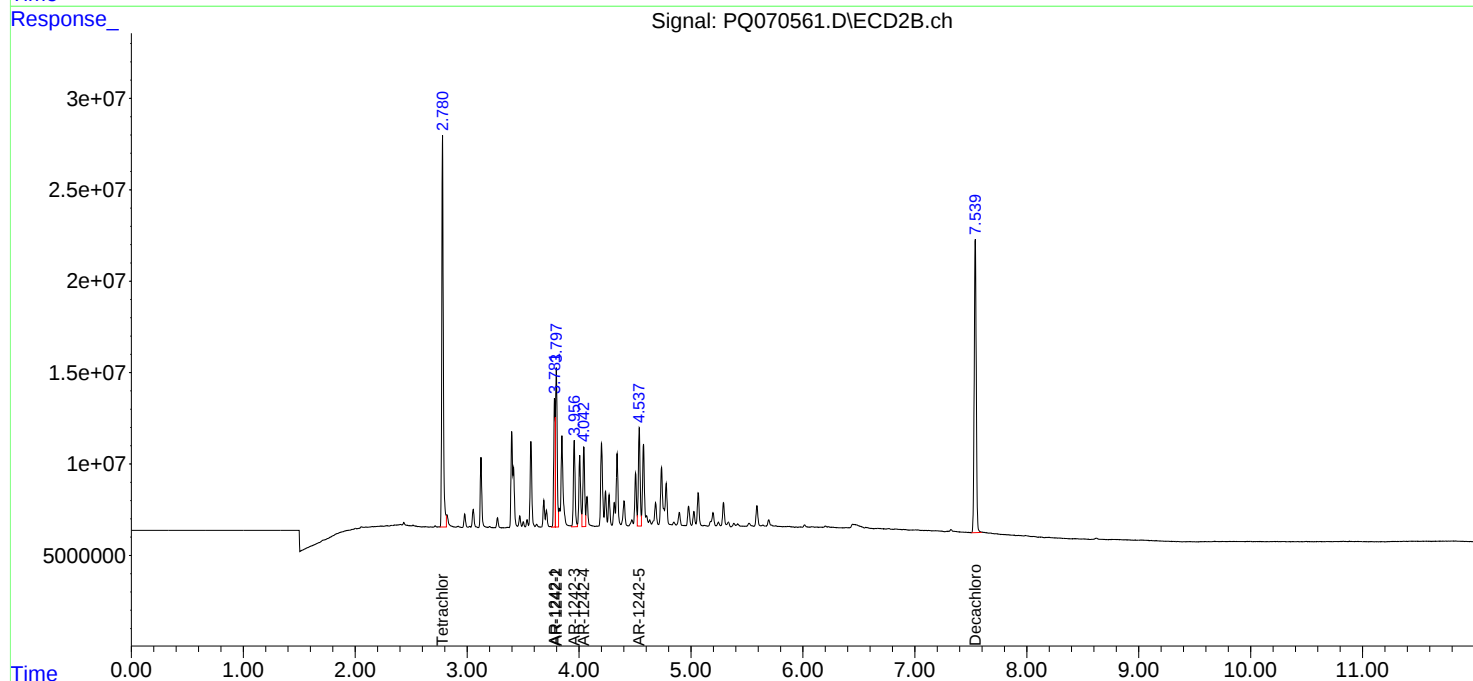
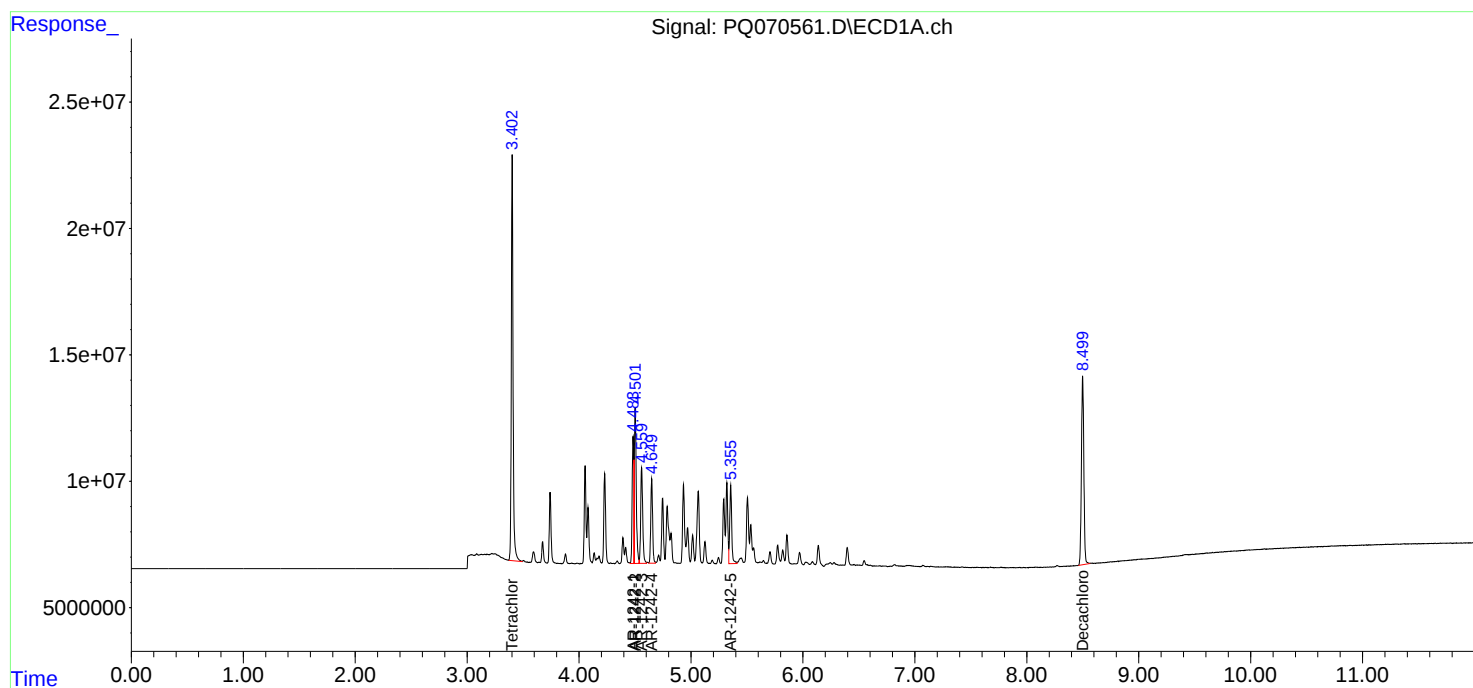
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:28
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 06:00:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070562.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 05:42
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 06:01:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 05:25:20 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...	3.403	2.780	37247338	43539555	3.873	4.038
2) SA Decachlor...	8.500	7.540	22038968	41599586	4.301	4.644
Target Compounds						
16) L4 AR-1242-1	4.483	3.781	10414591	13524367	39.635	43.583
17) L4 AR-1242-2	4.502	3.797	16017578	19141342	40.184	42.183
18) L4 AR-1242-3	4.560	3.958	9735427	11075364	39.053	43.133
19) L4 AR-1242-4	4.649	4.044	7976901	10654959	38.840	44.480
20) L4 AR-1242-5	5.355	4.538	7451054	13325198	36.899	44.890

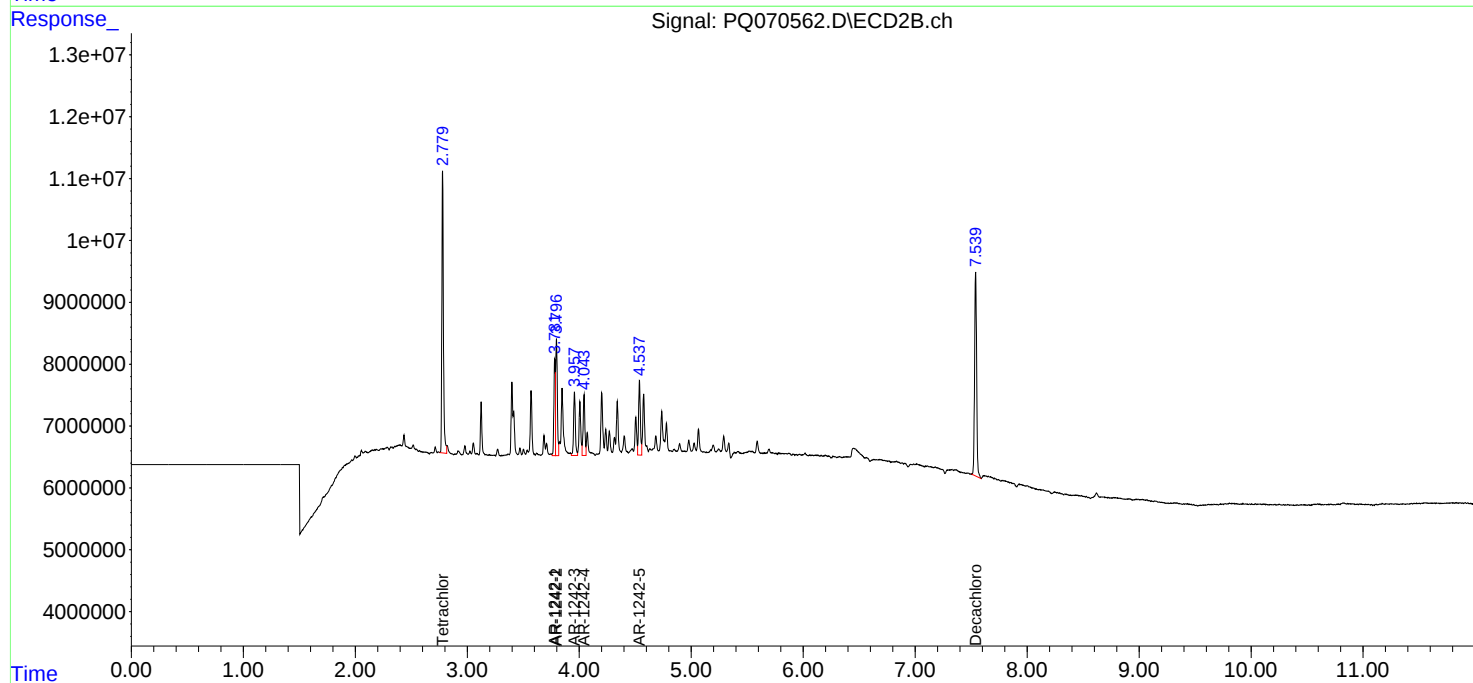
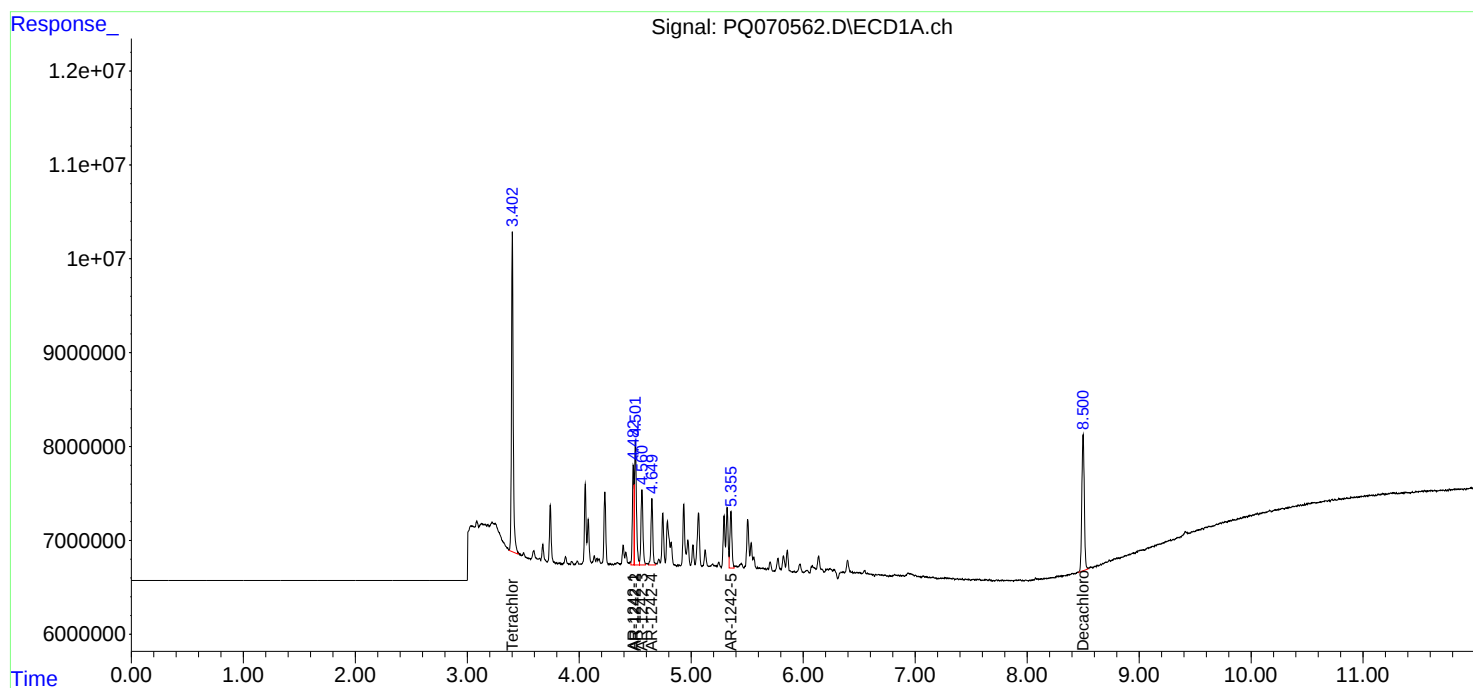
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:42
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 06:01:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 05:25:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070563.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 05:57
 Operator : YP\AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 07:10:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 07:09:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	704.7E6	825.9E6	94.457	94.709
2) SA Decachlor...	8.500	7.541	407.7E6	730.3E6	93.347	93.123
Target Compounds						
21) L5 AR-1248-1	4.484	3.781	140.8E6	169.2E6	921.447	907.922
22) L5 AR-1248-2	4.747	4.006	189.6E6	250.7E6	910.326	904.407
23) L5 AR-1248-3	4.934	4.043	226.1E6	243.1E6	910.702	904.533
24) L5 AR-1248-4	5.321	4.201	243.6E6	299.0E6	918.504	917.262
25) L5 AR-1248-5	5.356	4.575	243.5E6	289.3E6	929.617	914.791

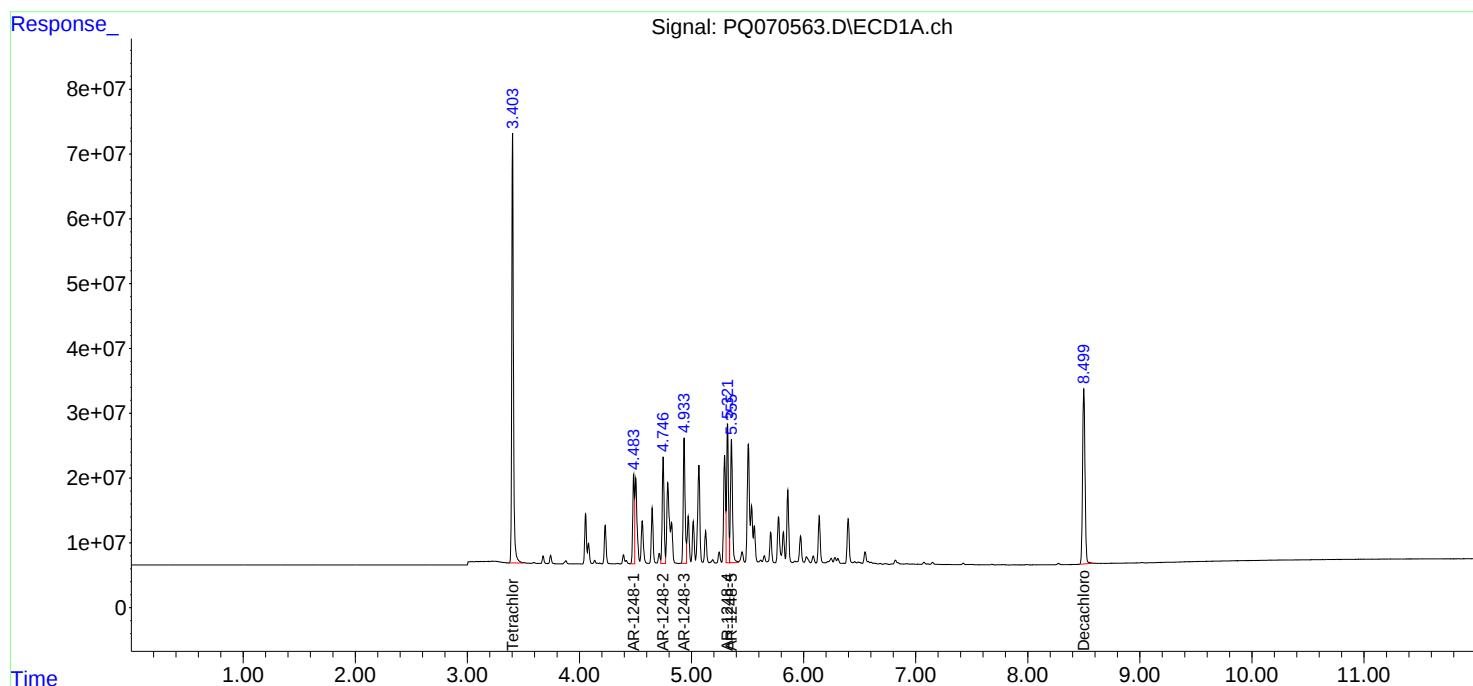
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 05:57
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070564.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 06:12
 Operator : YP\AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 07:10:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 07:09:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	665.0E6	772.7E6	89.146	88.616
2) SA Decachlor...	8.499	7.540	342.7E6	607.9E6	78.465	77.515
Target Compounds						
21) L5 AR-1248-1	4.483	3.781	132.0E6	159.1E6	864.262	853.605
22) L5 AR-1248-2	4.746	4.005	182.2E6	236.9E6	874.907	854.414
23) L5 AR-1248-3	4.933	4.043	216.2E6	227.7E6	870.512	847.189
24) L5 AR-1248-4	5.321	4.201	227.3E6	279.6E6	857.147	857.947
25) L5 AR-1248-5	5.356	4.576	225.5E6	263.9E6	860.897	834.506

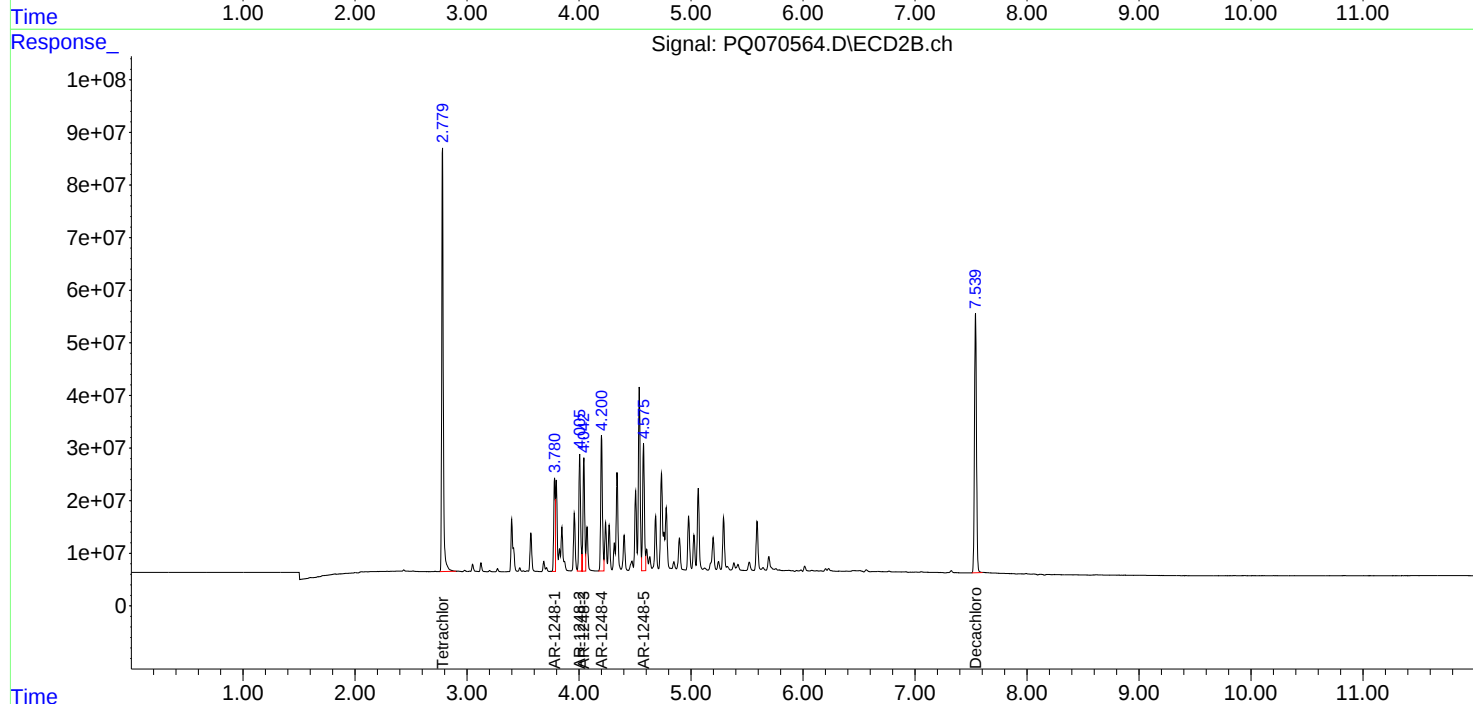
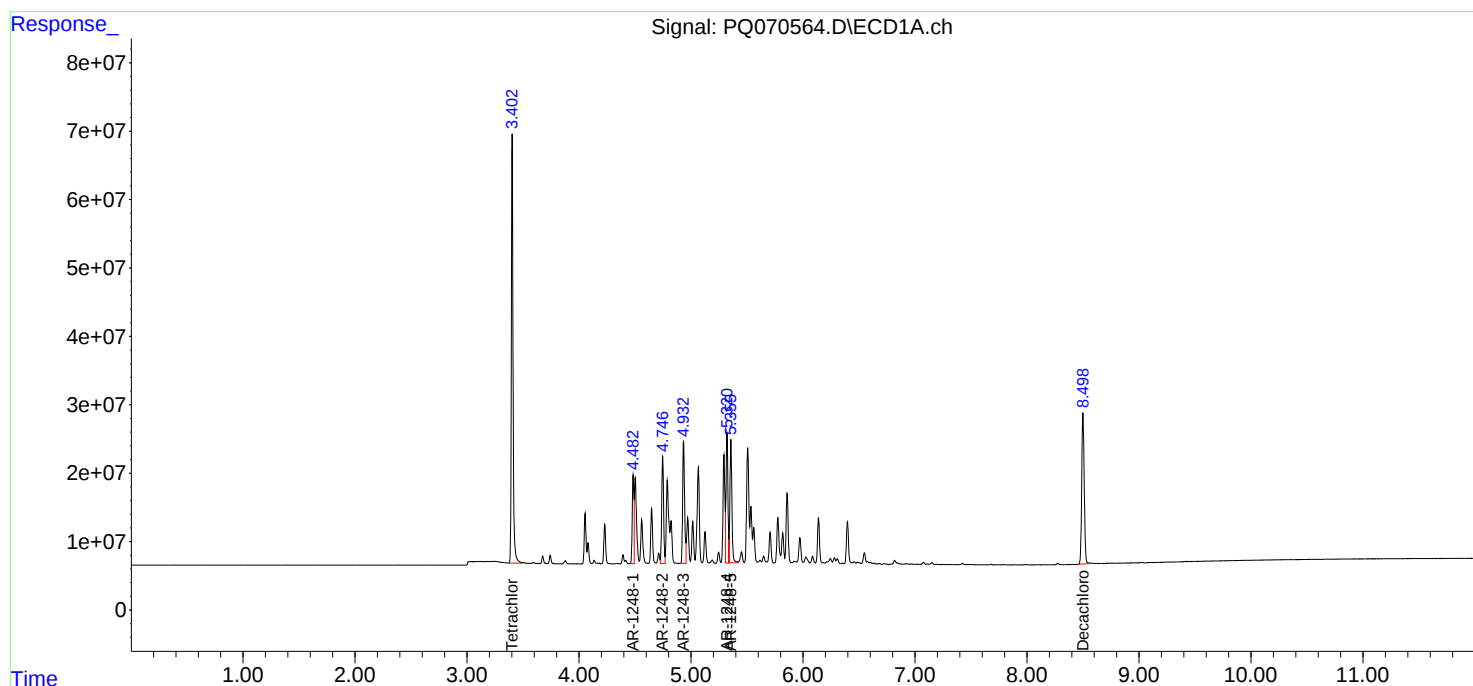
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:12
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070565.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 06:26
 Operator : YP\AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 07:10:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 07:09:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	373.0E6	436.0E6	50.000	50.000
2) SA Decachlor...	8.500	7.539	218.4E6	392.1E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.483	3.781	76385264	93191545	500.000	500.000
22) L5 AR-1248-2	4.747	4.006	104.1E6	138.6E6	500.000	500.000
23) L5 AR-1248-3	4.934	4.043	124.2E6	134.4E6	500.000	500.000
24) L5 AR-1248-4	5.321	4.201	132.6E6	163.0E6	500.000	500.000
25) L5 AR-1248-5	5.356	4.575	130.9E6	158.1E6	500.000	500.000

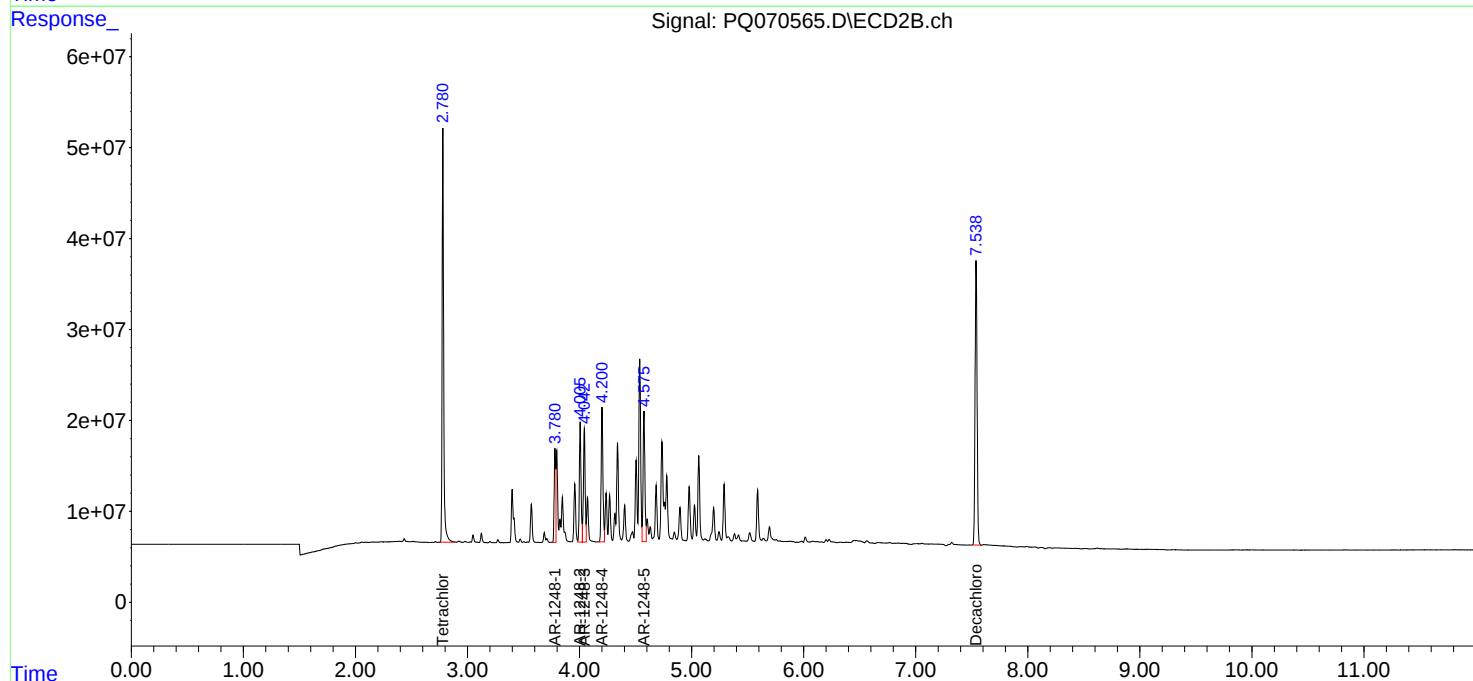
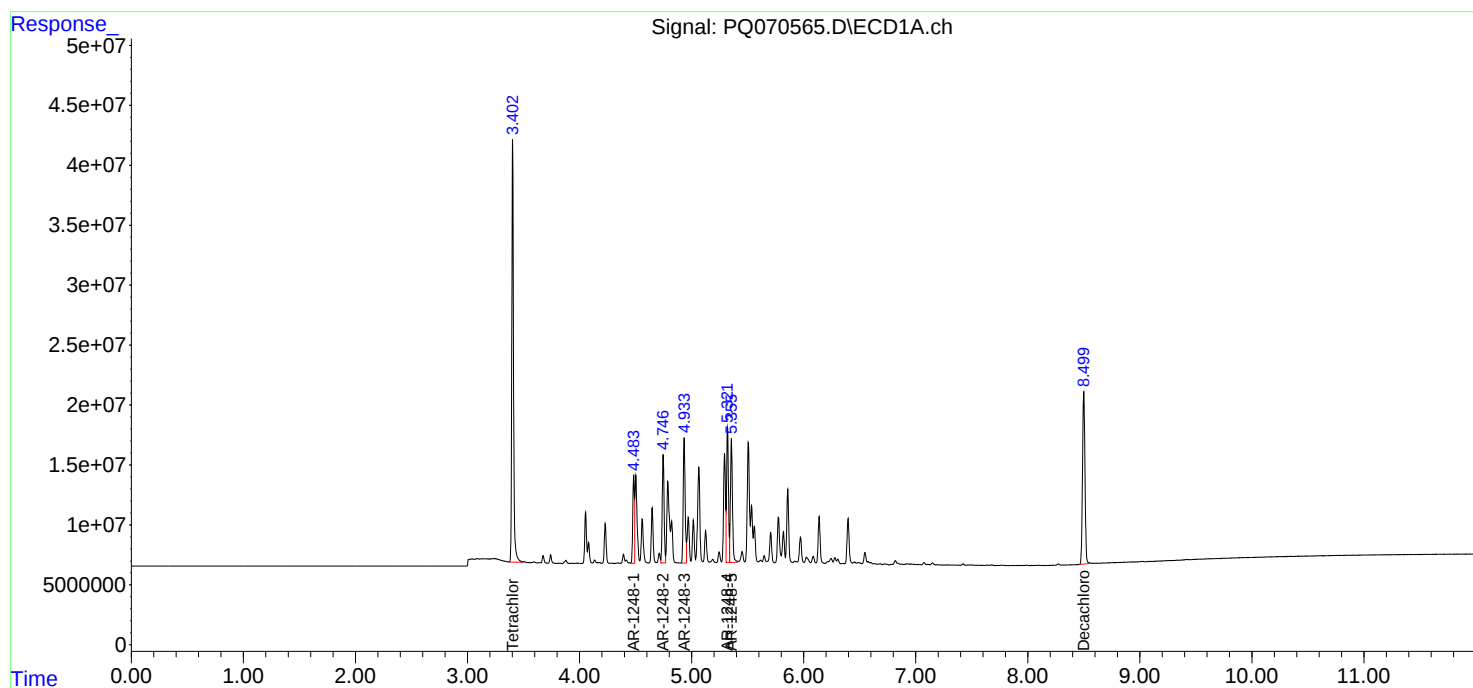
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:26
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:10:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070566.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 06:41
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 07:11:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 07:09:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	224.0E6	253.4E6	30.024	29.054
2) SA Decachlor...	8.499	7.540	121.9E6	217.8E6	27.900	27.777
Target Compounds						
21) L5 AR-1248-1	4.483	3.781	46269266	56496937	302.868	303.123
22) L5 AR-1248-2	4.747	4.006	63399255	84475974	304.401	304.719
23) L5 AR-1248-3	4.934	4.043	73520620	81102128	296.083	301.736
24) L5 AR-1248-4	5.321	4.201	78247358	97126361	295.074	297.985
25) L5 AR-1248-5	5.356	4.575	77475148	94609063	295.828	299.120

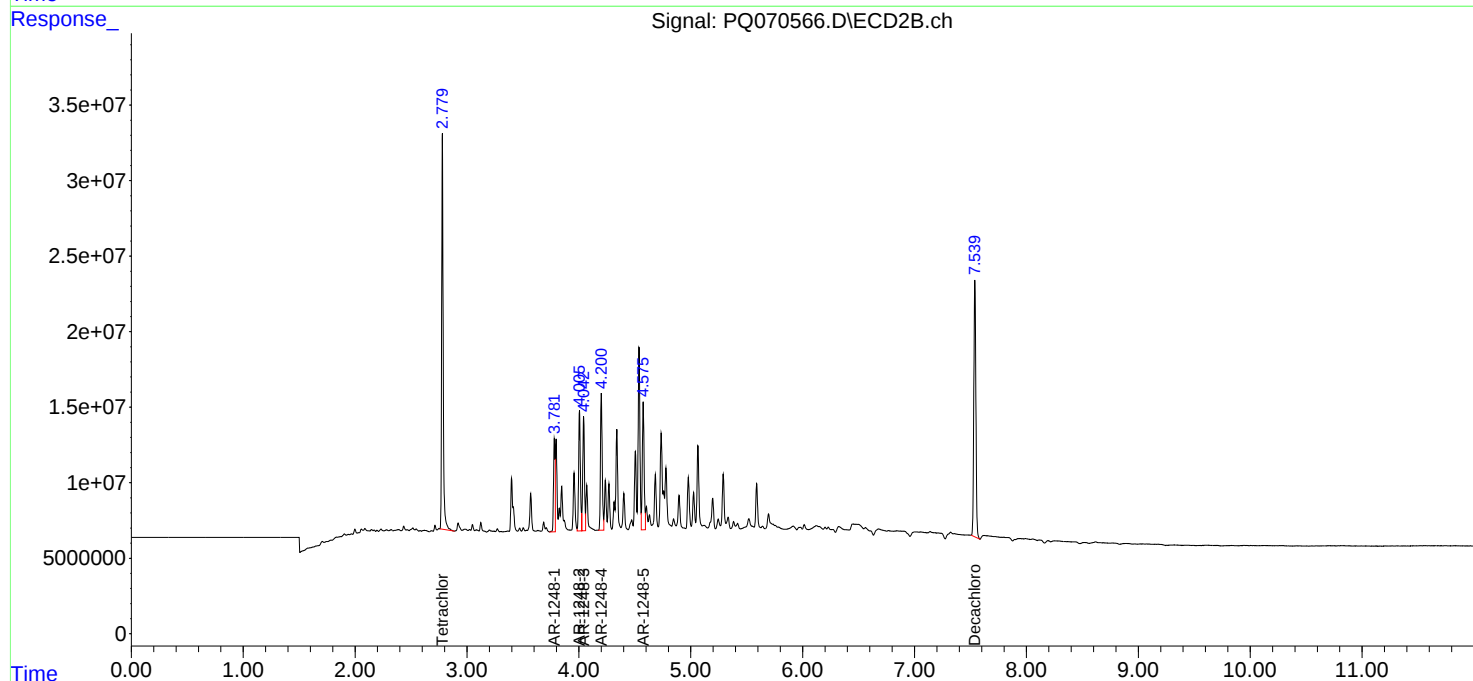
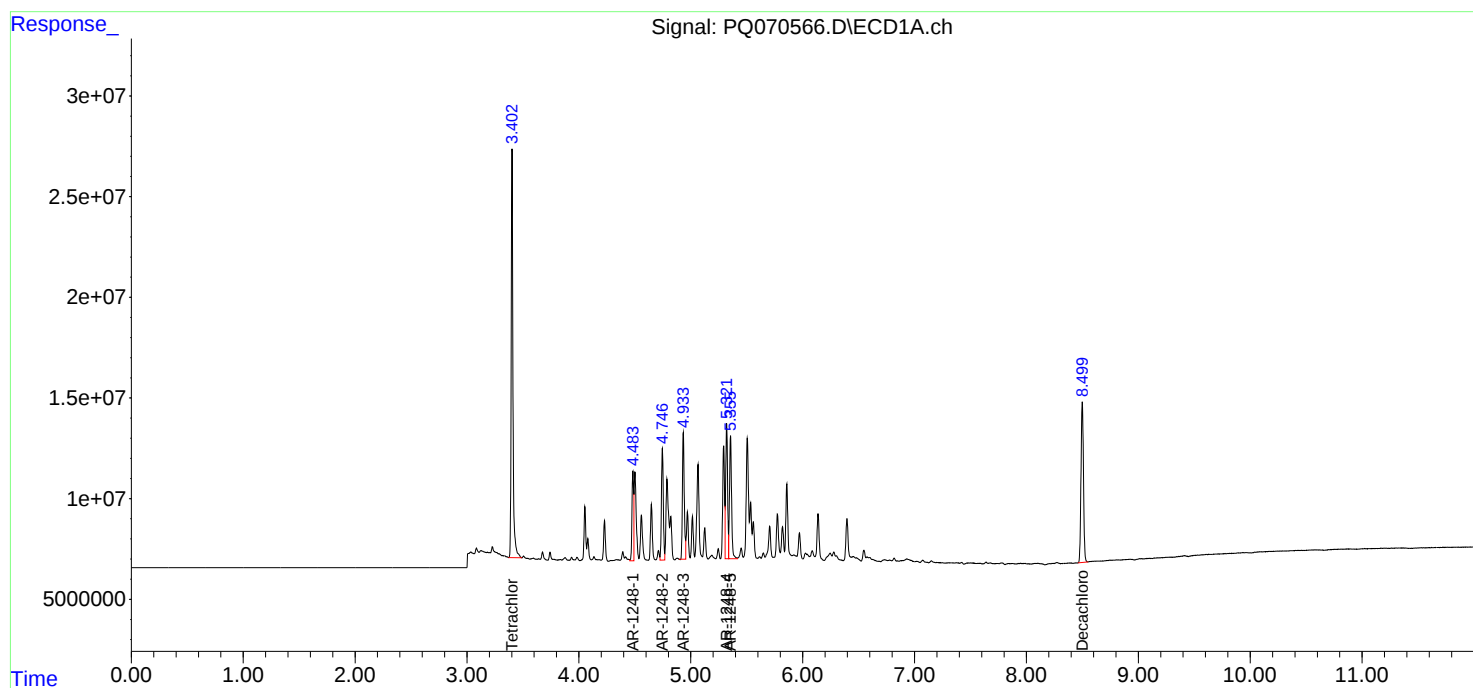
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:41
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:11:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 06:55
 Operator : YP\AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 07:11:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 07:09:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	42517601	50308932	5.699	5.769
2) SA Decachlor...	8.500	7.540	23689620	43667026	5.423	5.568
Target Compounds						
21) L5 AR-1248-1	4.484	3.781	9403252	11953340	61.551	64.133
22) L5 AR-1248-2	4.747	4.006	12951471	18298186	62.184	66.005
23) L5 AR-1248-3	4.934	4.043	15282844	17598896	61.547	65.476
24) L5 AR-1248-4	5.321	4.201	15704747	20620062	59.223	63.263
25) L5 AR-1248-5	5.356	4.576	14856718	19784866	56.728	62.553

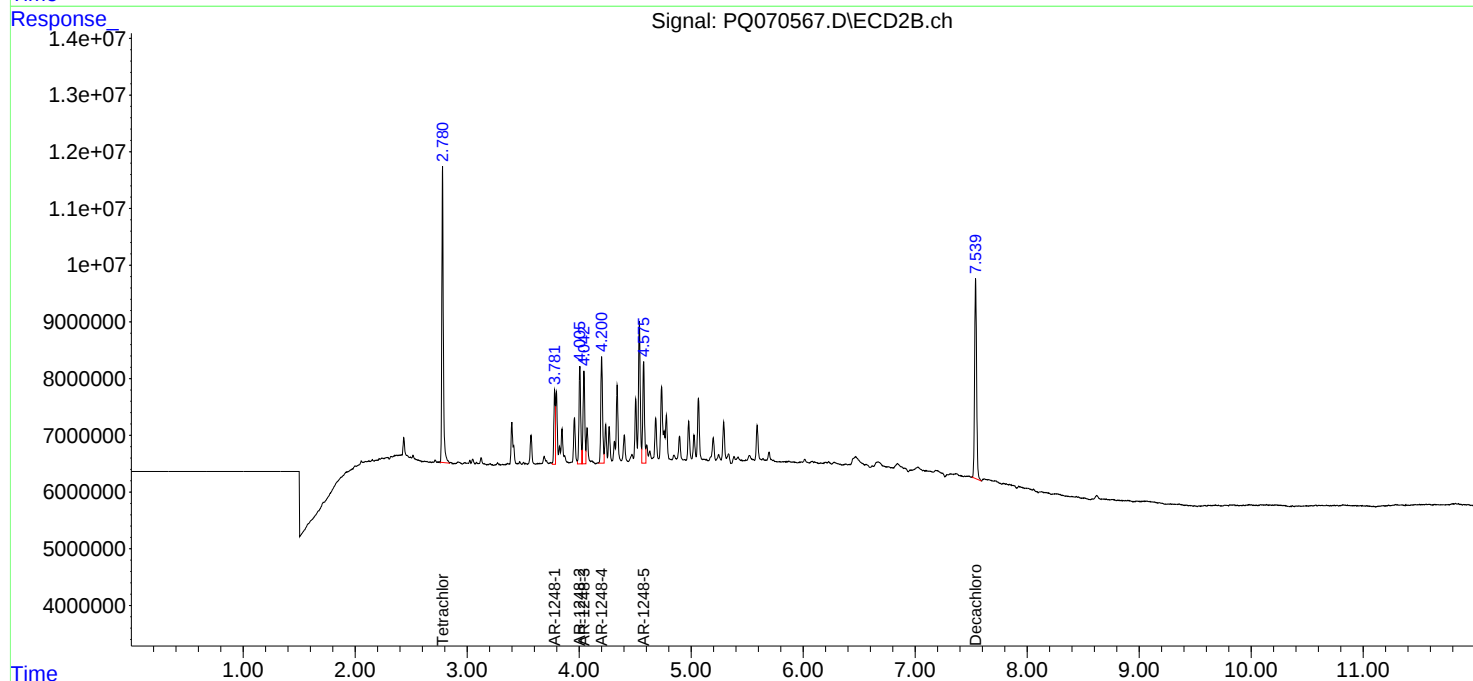
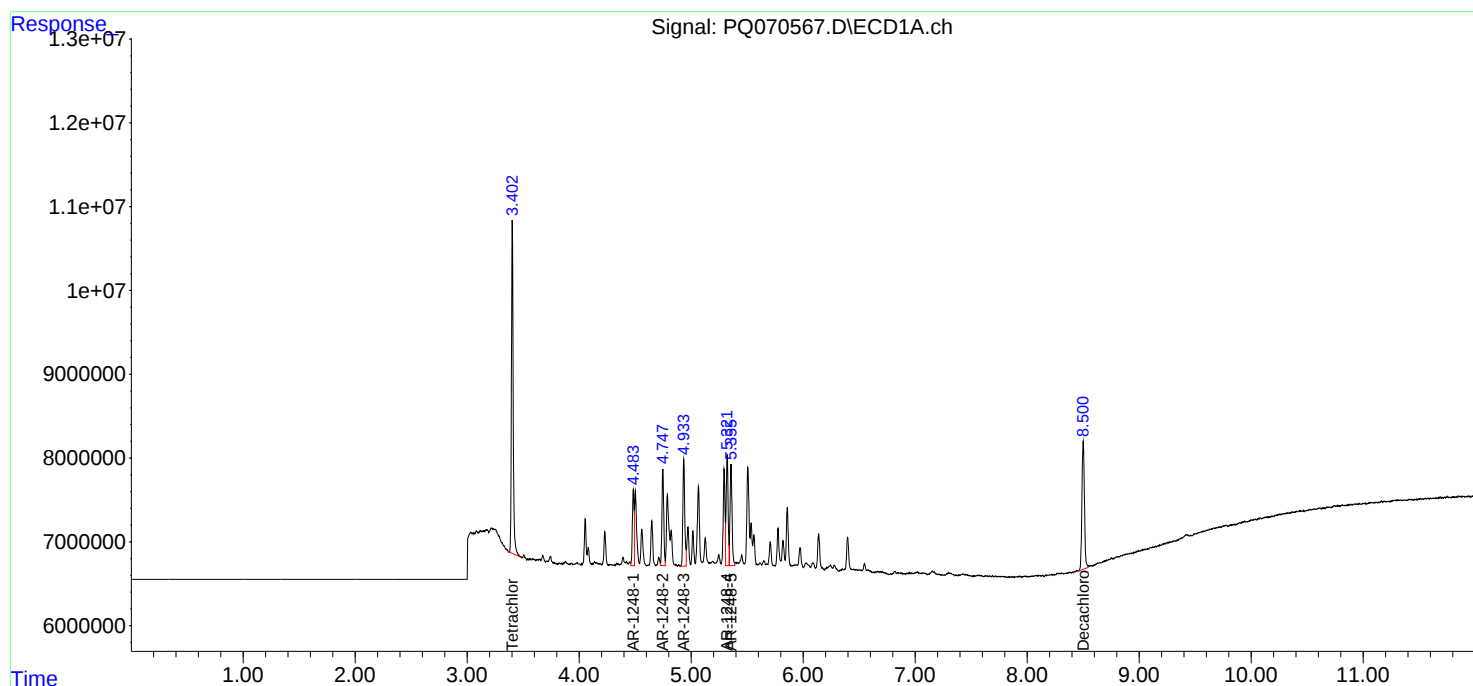
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 06:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 07:11:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 07:09:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_Q\Data\PQ072225\
 Data File : PQ070568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 07:10
 Operator : YP\AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 08:29:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 08:28:20 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...	3.403	2.780	689.0E6	789.8E6	84.902	83.576
2) SA Decachlor...	8.500	7.539	402.1E6	714.0E6	89.276	89.790
Target Compounds						
26) L6 AR-1254-1	5.296	4.538	244.9E6	424.7E6	817.096	838.242
27) L6 AR-1254-2	5.510	4.684	375.9E6	368.6E6	828.168	834.534
28) L6 AR-1254-3	5.858	5.064	398.0E6	593.9E6	851.205	851.145
29) L6 AR-1254-4	6.138	5.291	275.5E6	360.8E6	849.519	870.768
30) L6 AR-1254-5	6.547	5.694	309.5E6	541.9E6	846.967	862.234

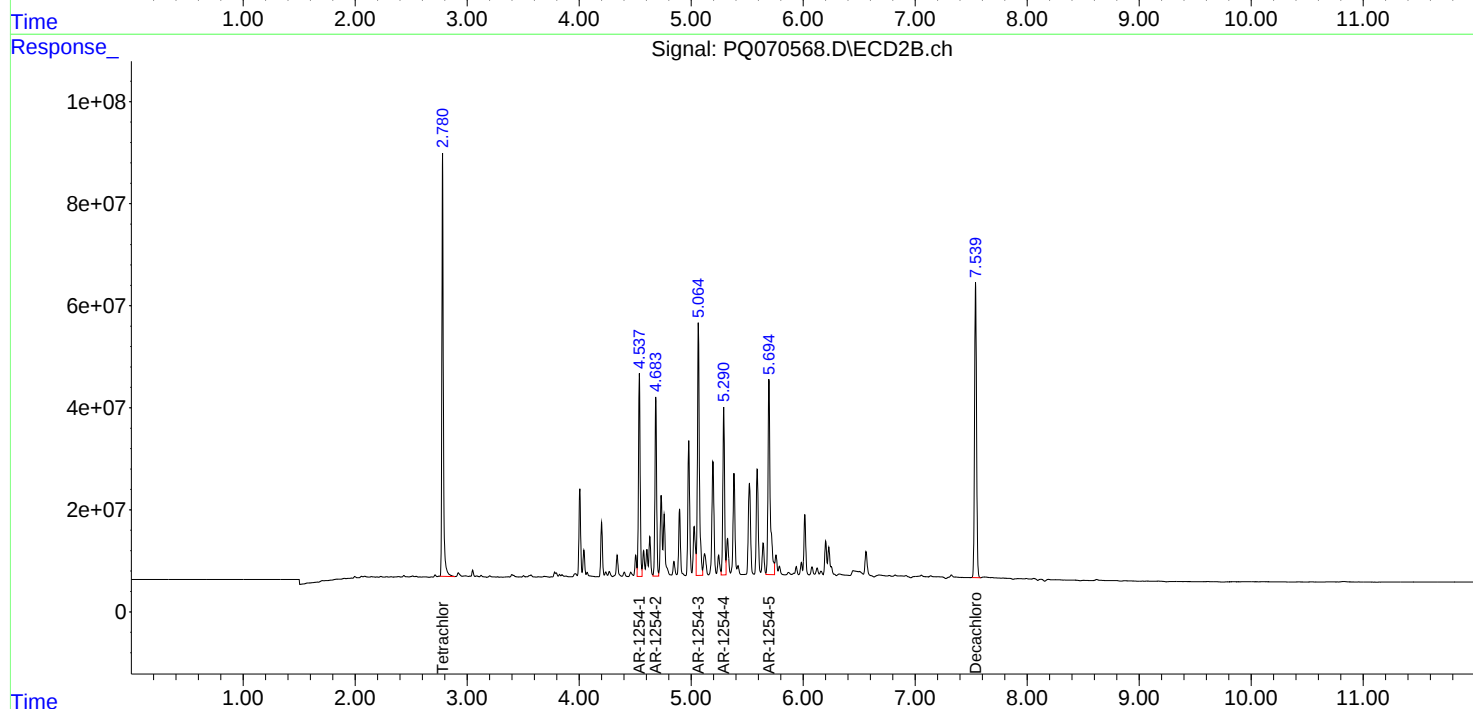
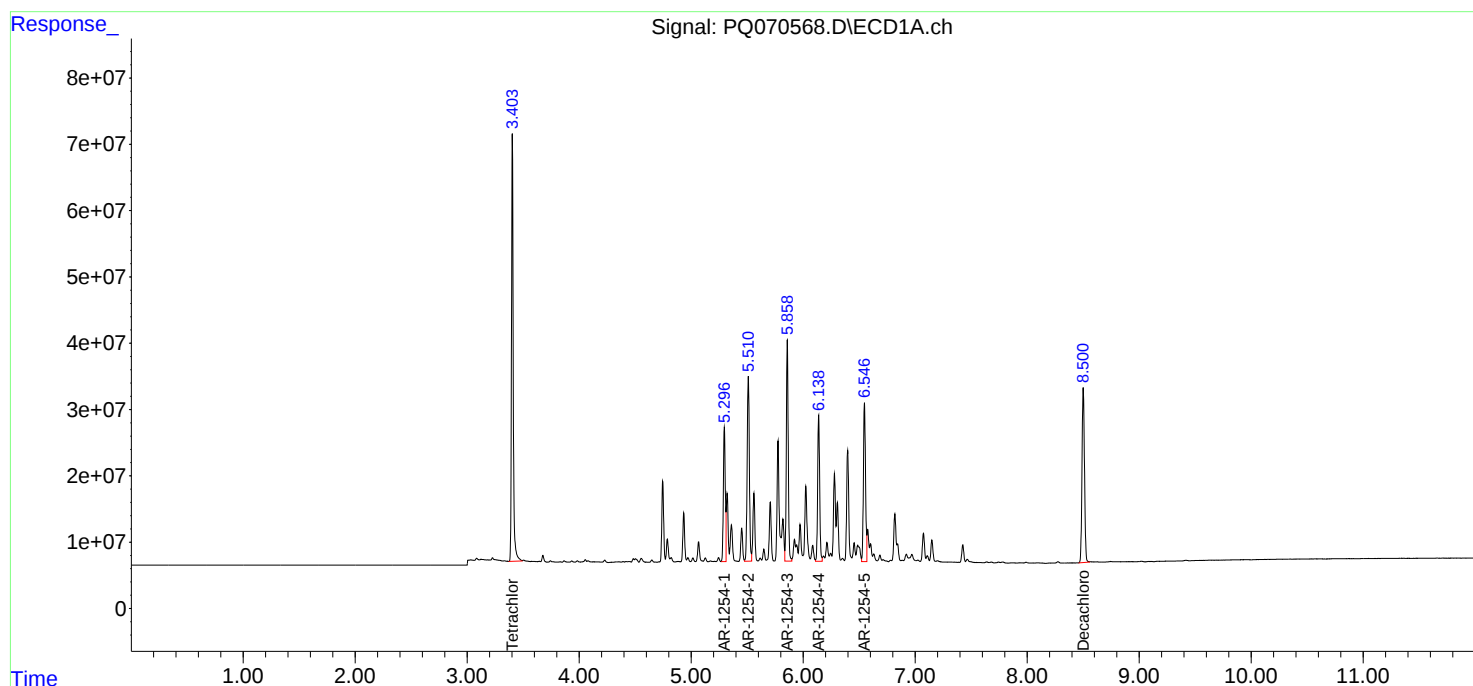
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:10
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:29:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070569.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 07:24
 Operator : YP\AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 08:29:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 08:28:20 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...	3.403	2.780	524.5E6	614.9E6	64.639	65.070
2) SA Decachlor...	8.500	7.539	316.0E6	560.2E6	70.151	70.456
Target Compounds						
26) L6 AR-1254-1	5.296	4.537	192.8E6	333.3E6	643.087	657.845
27) L6 AR-1254-2	5.510	4.684	293.3E6	291.8E6	646.247	660.597
28) L6 AR-1254-3	5.858	5.065	309.9E6	469.7E6	662.754	673.197
29) L6 AR-1254-4	6.139	5.290	217.3E6	281.0E6	670.149	678.117
30) L6 AR-1254-5	6.547	5.695	245.6E6	426.6E6	671.915	678.721

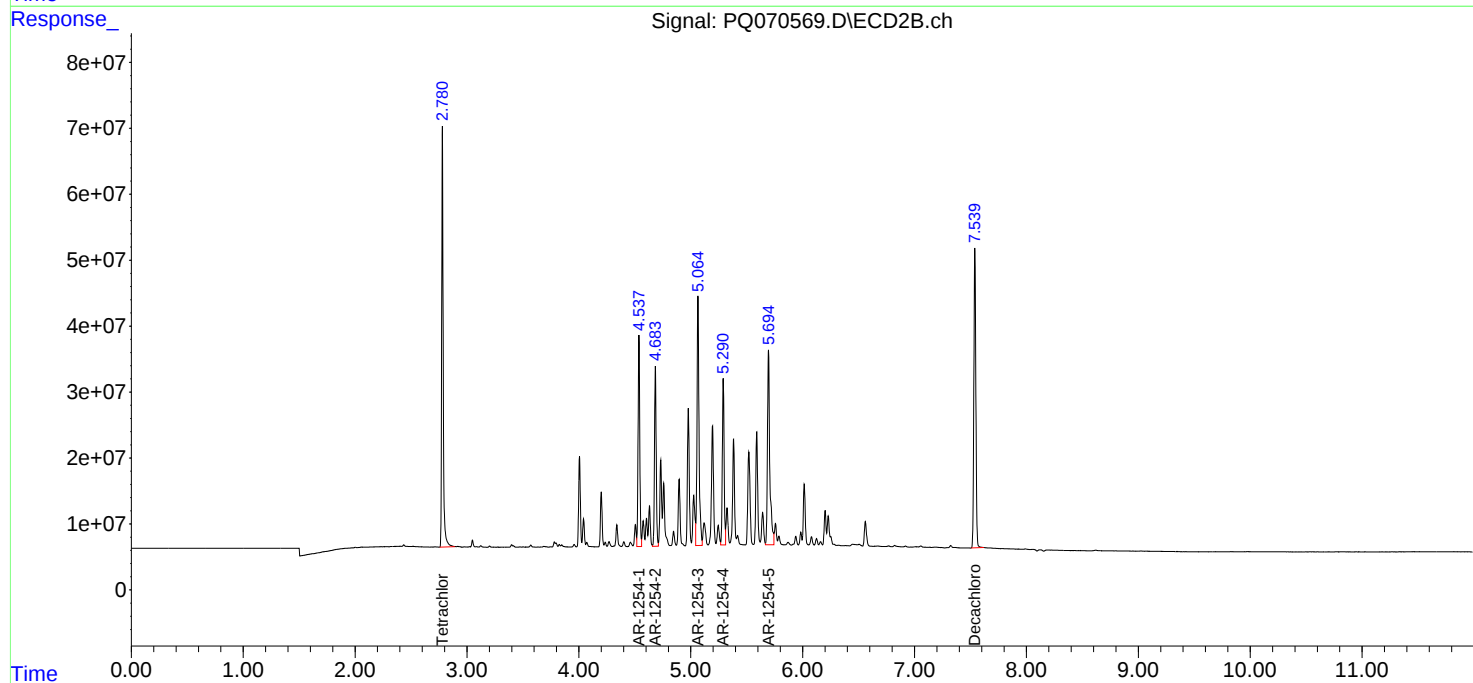
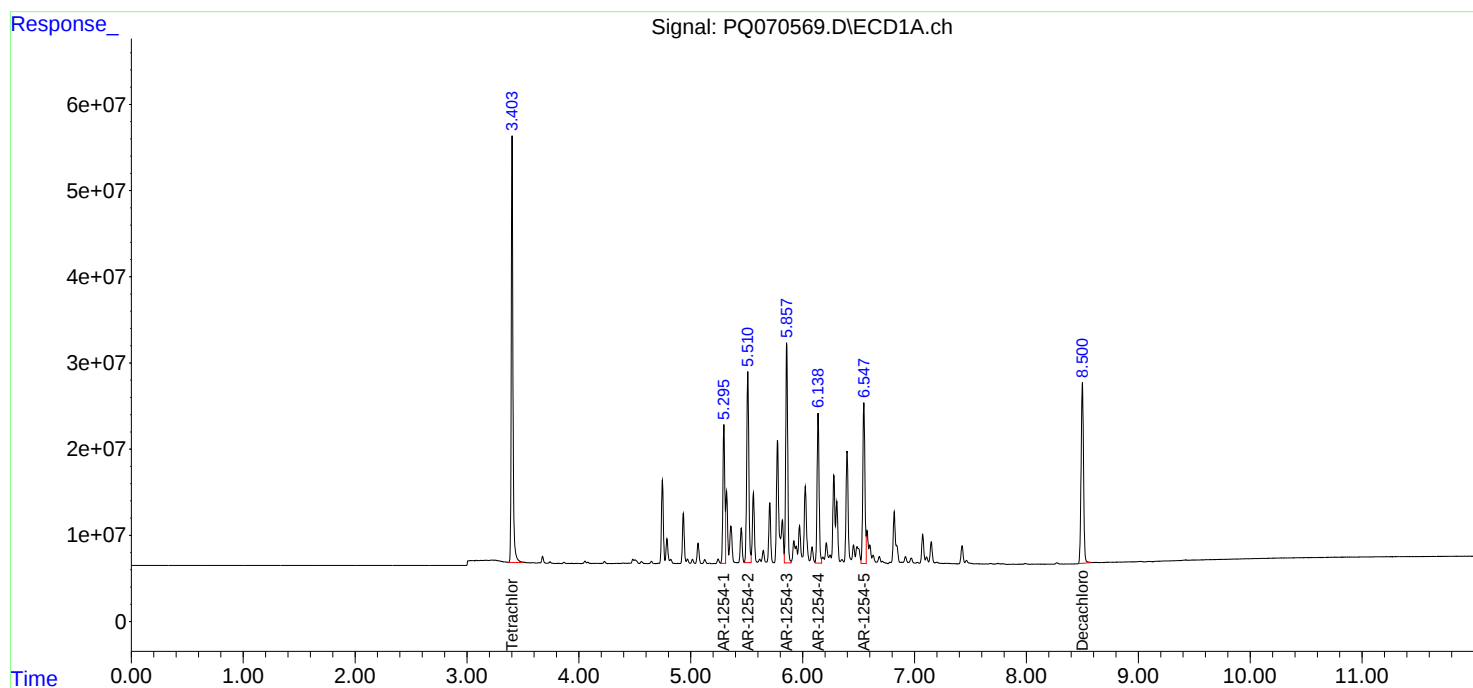
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:24
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:29:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070570.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 07:39
 Operator : YP\AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 08:30:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 08:28:20 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...	3.403	2.781	405.7E6	472.5E6	50.000	50.000
2) SA Decachlor...	8.501	7.539	225.2E6	397.6E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.295	4.537	149.9E6	253.3E6	500.000	500.000
27) L6 AR-1254-2	5.510	4.684	227.0E6	220.9E6	500.000	500.000
28) L6 AR-1254-3	5.858	5.065	233.8E6	348.9E6	500.000	500.000
29) L6 AR-1254-4	6.139	5.291	162.1E6	207.2E6	500.000	500.000
30) L6 AR-1254-5	6.547	5.695	182.7E6	314.3E6	500.000	500.000

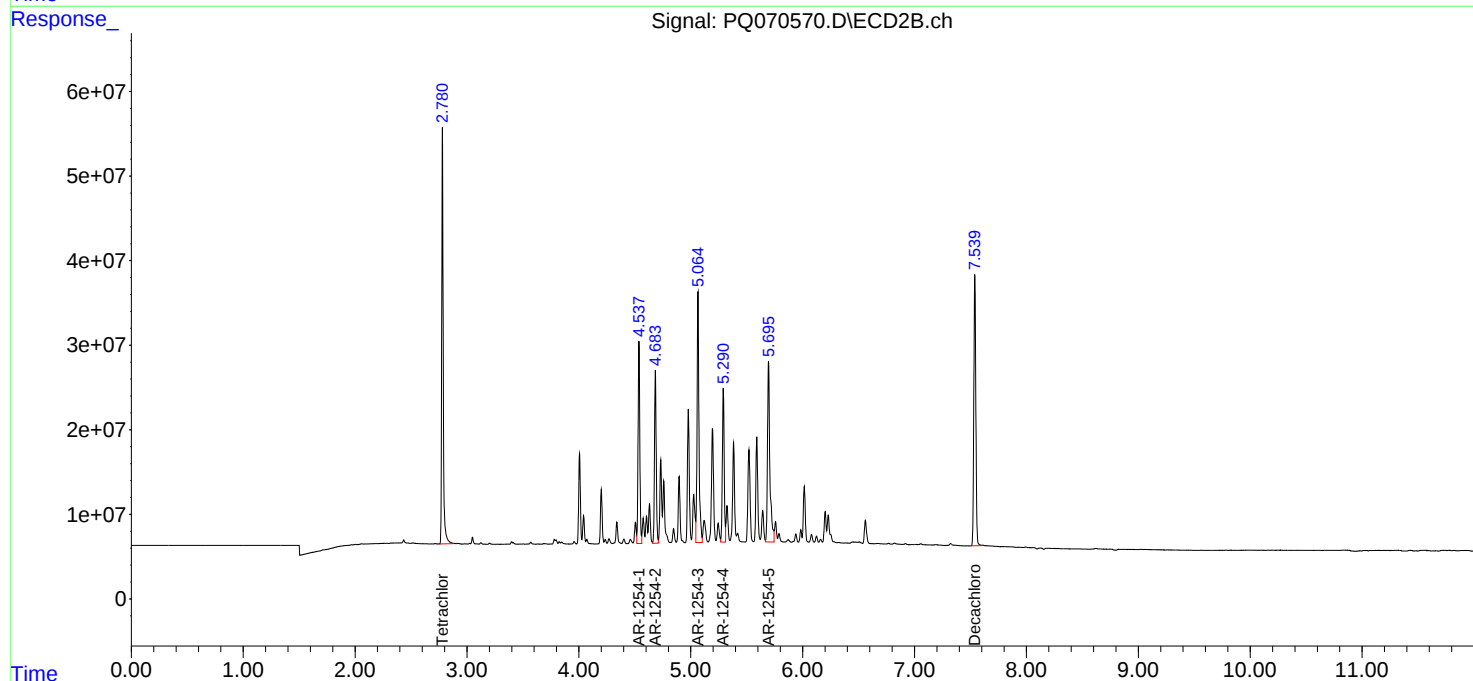
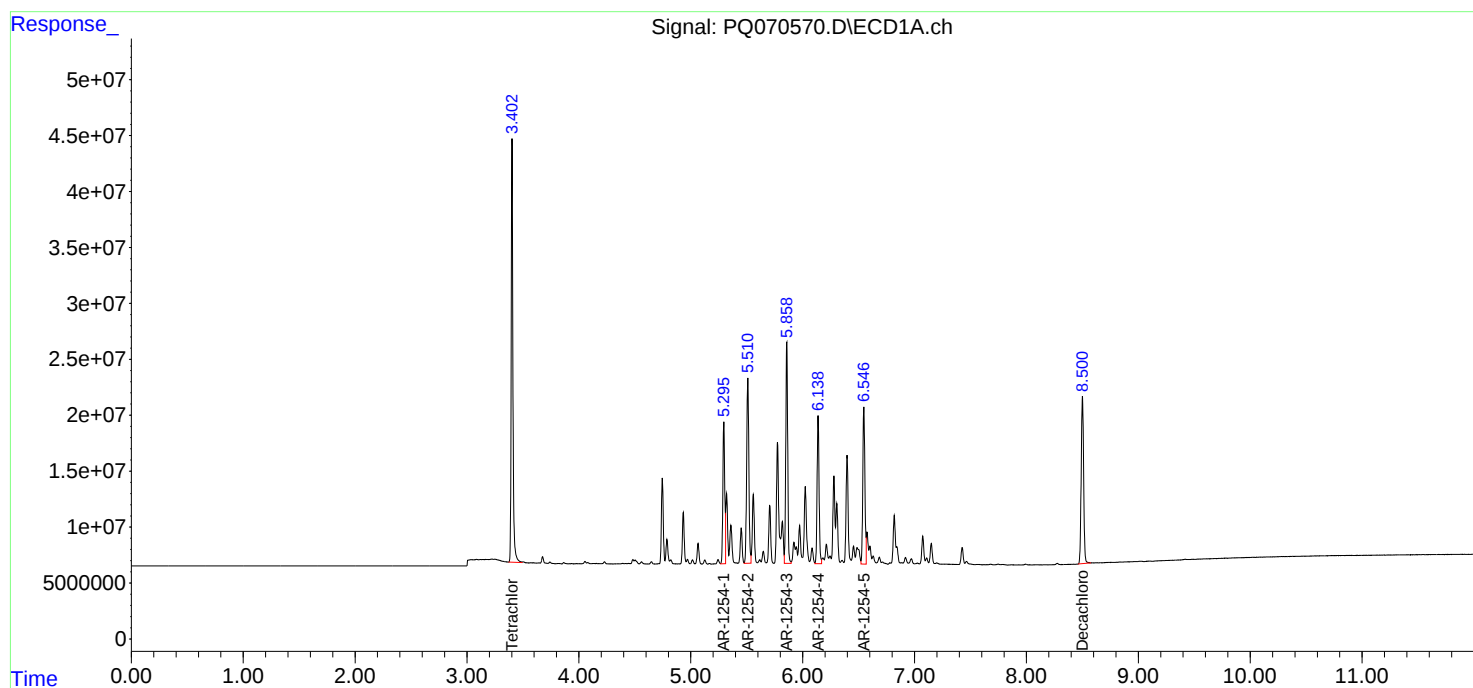
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:39
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070571.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 07:54
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 08:30:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 08:28:20 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...	3.403	2.780	227.9E6	266.9E6	28.083	28.248
2) SA Decachlor...	8.502	7.541	124.7E6	215.2E6	27.684	27.061
Target Compounds						
26) L6 AR-1254-1	5.296	4.537	87545687	148.1E6	292.054	292.309
27) L6 AR-1254-2	5.511	4.684	131.0E6	128.9E6	288.668	291.786
28) L6 AR-1254-3	5.858	5.065	133.5E6	199.2E6	285.599	285.501
29) L6 AR-1254-4	6.139	5.291	91487426	117.2E6	282.116	282.939
30) L6 AR-1254-5	6.548	5.696	103.5E6	177.3E6	283.173	282.092

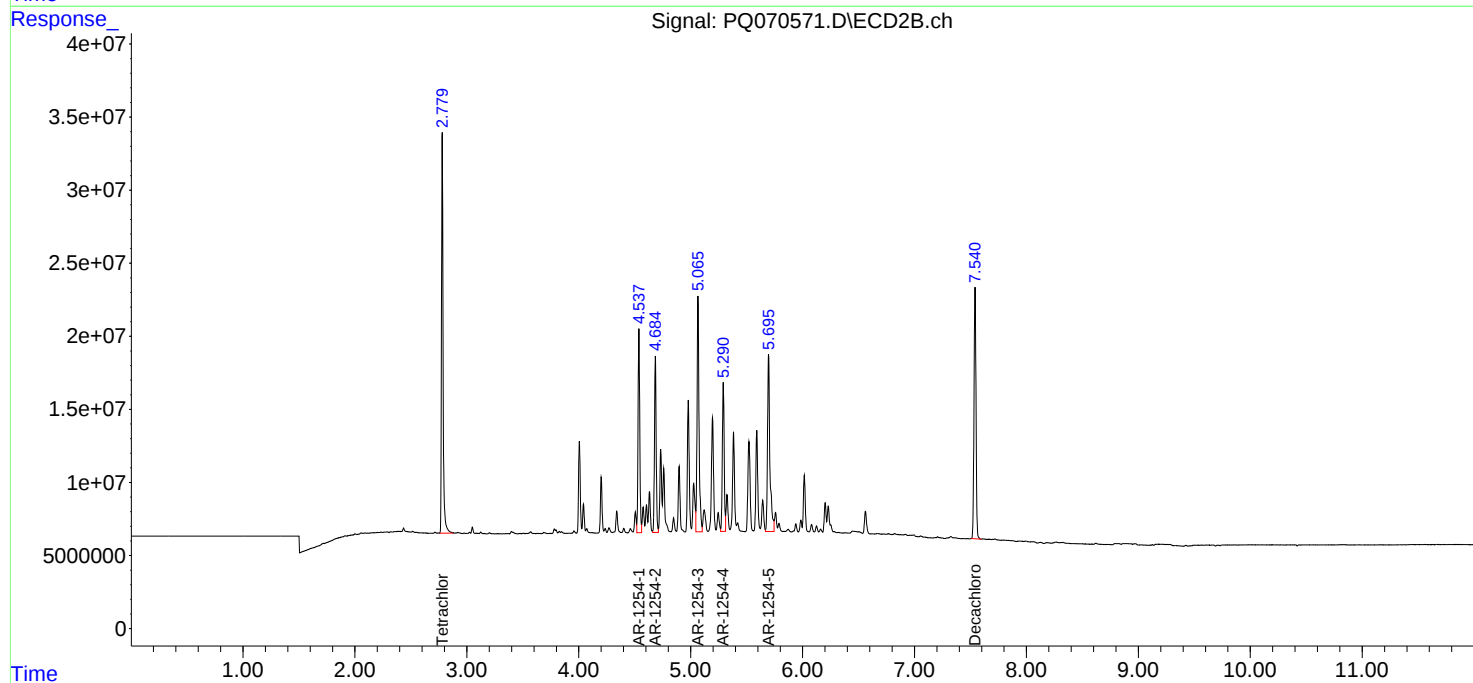
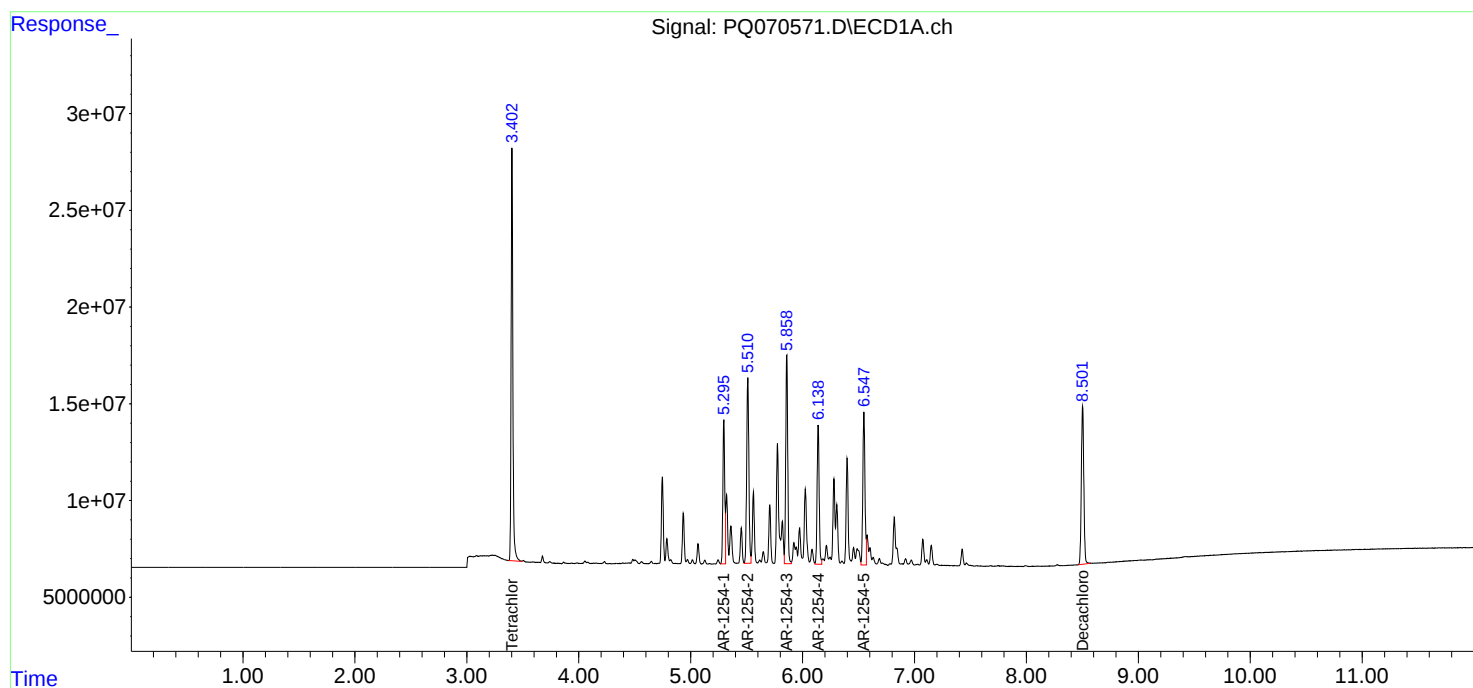
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 07:54
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:30:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 08:28:20 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 08:52
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 09:07:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:06:58 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...	3.403	2.780	33870701	39980118	4.174	4.231
2) SA Decachlor...	8.502	7.540	20865183	40415408	4.632	5.083
Target Compounds						
26) L6 AR-1254-1	5.295	4.537	15481846	27281030	51.648	53.847m
27) L6 AR-1254-2	5.511	4.683	21097515	22469651	46.479	50.869m
28) L6 AR-1254-3	5.858	5.065	22058640	34997794	47.174	50.158
29) L6 AR-1254-4	6.138	5.291	16715291	20006214	51.544	48.279
30) L6 AR-1254-5	6.547	5.695	17045976	29608461	46.642	47.108

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 08:52
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

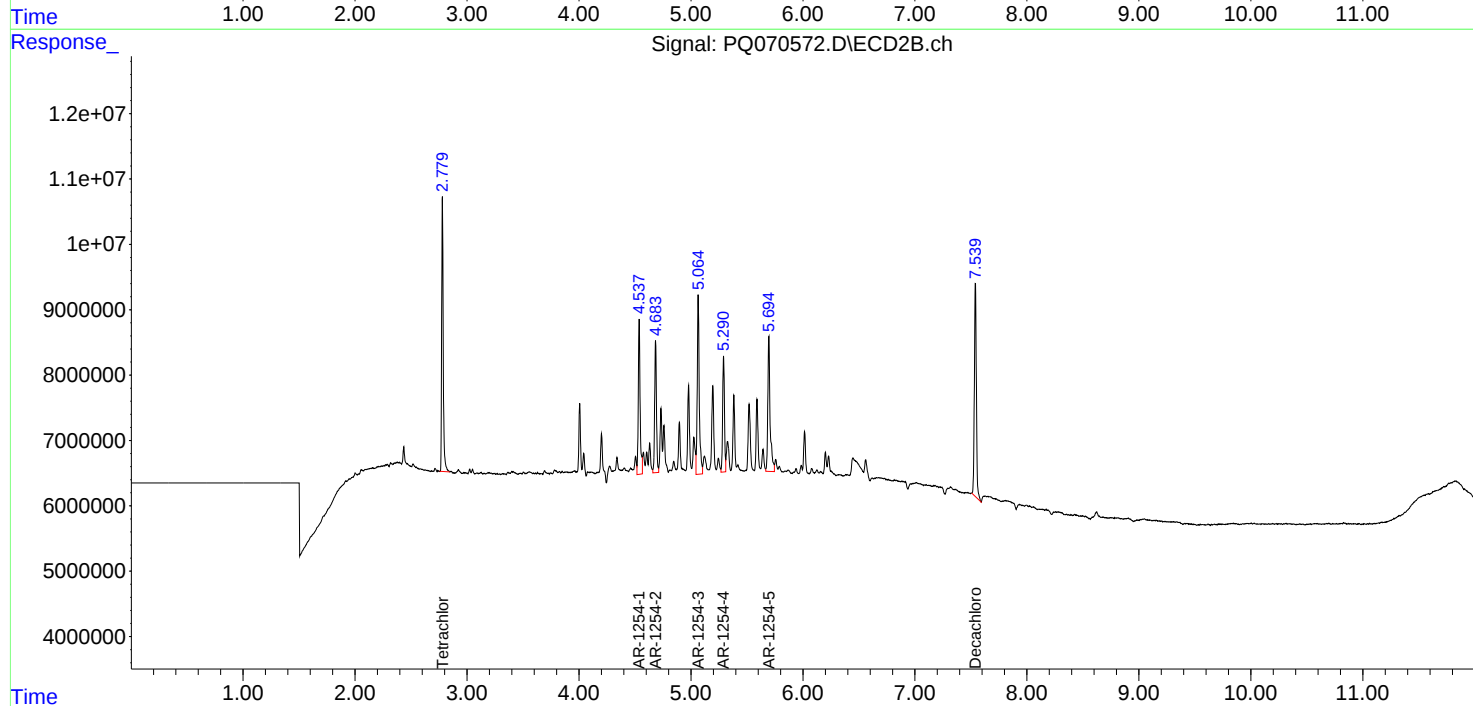
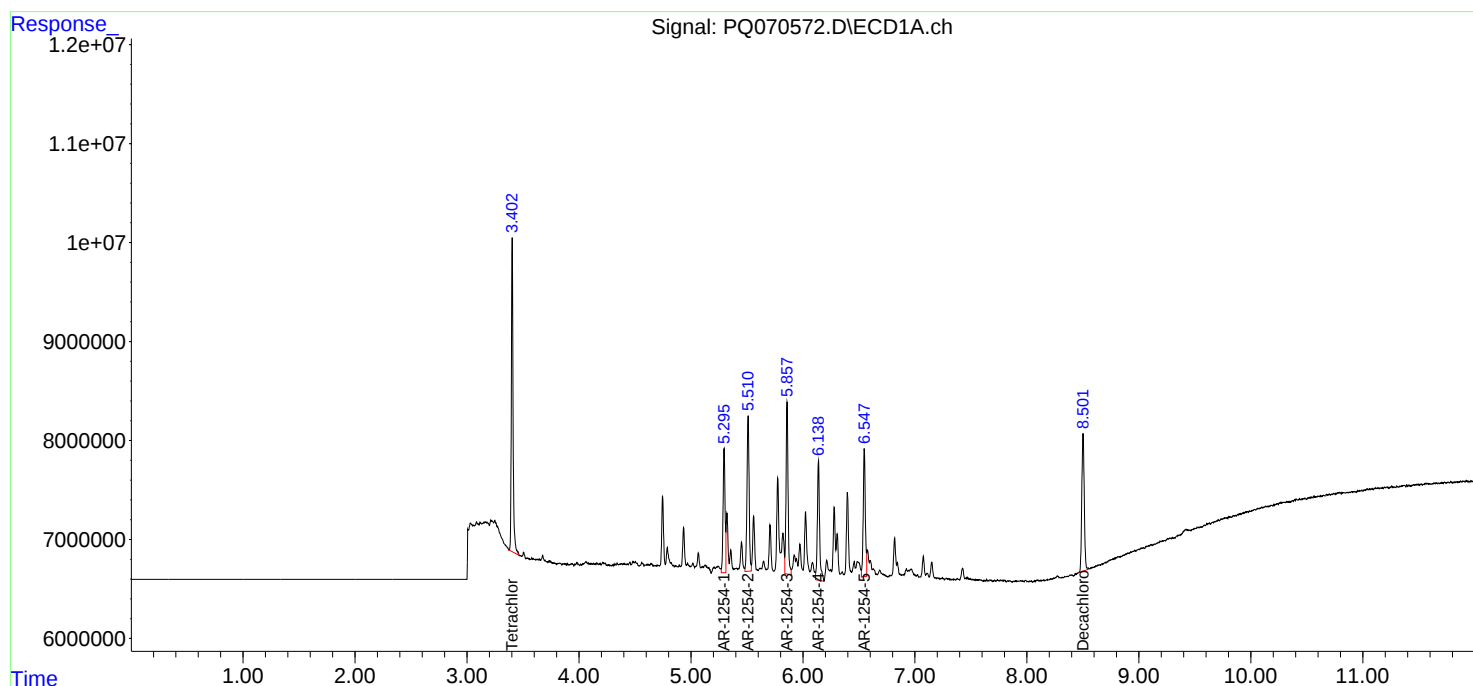
Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:07:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:06:58 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_Q\Data\PQ072225\
 Data File : PQ070573.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 09:07
 Operator : YP\AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 09:23:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:22:45 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	460.1E6	531.9E6	50.000	50.000
2) SA Decachlor...	8.502	7.540	242.6E6	421.6E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.844	5.738	233.5E6	370.0E6	500.000	500.000
37) L8 AR-1262-2	7.150	5.985	400.9E6	337.5E6	500.000	500.000
38) L8 AR-1262-3	7.423	6.506	265.5E6	257.1E6	500.000	500.000
39) L8 AR-1262-4	7.496	6.567	209.9E6	465.2E6	500.000	500.000
40) L8 AR-1262-5	7.992	7.057	123.8E6	215.0E6	500.000	500.000

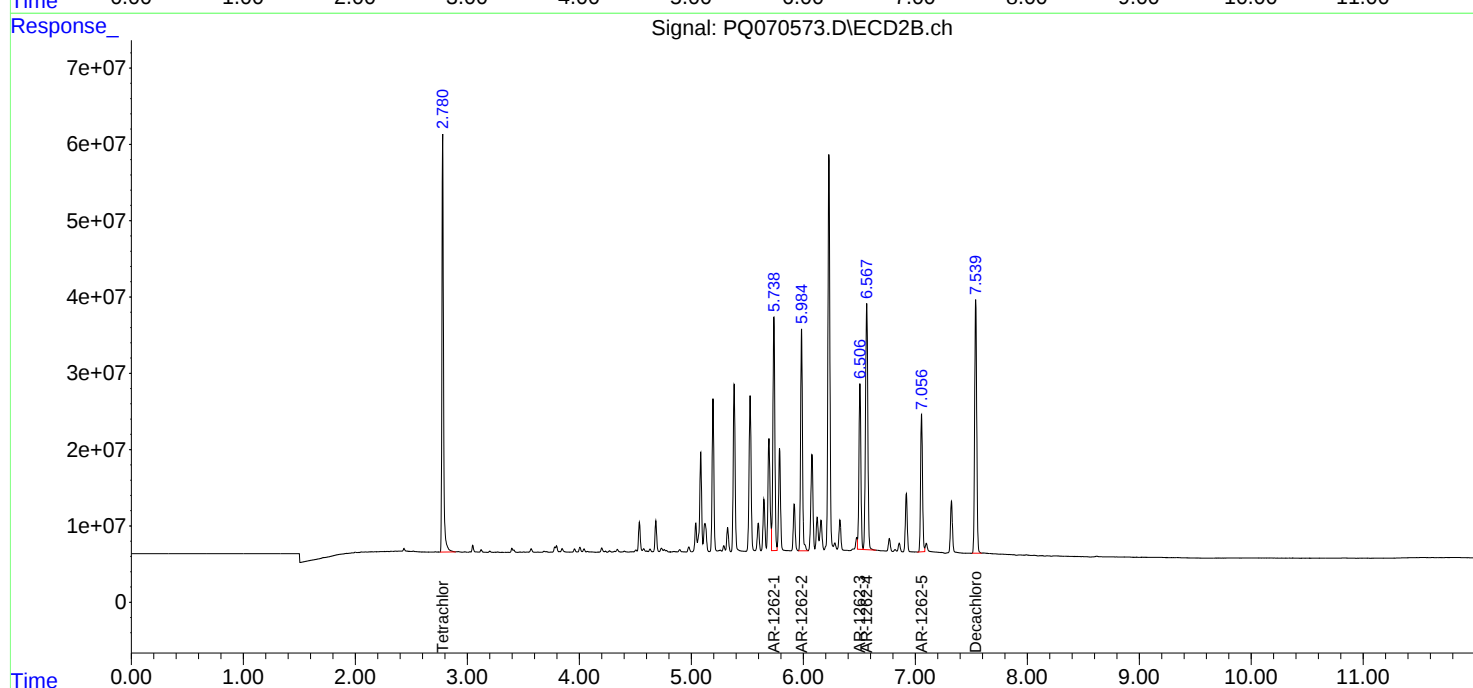
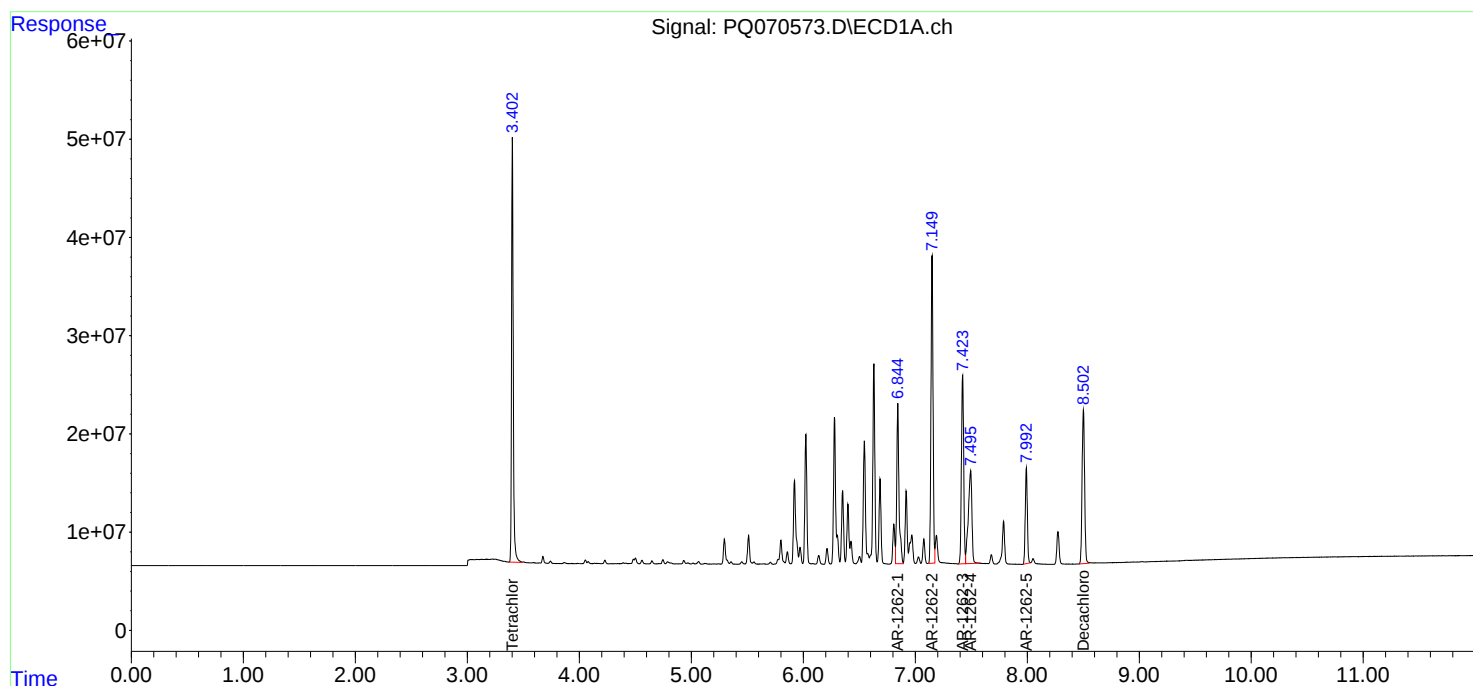
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:07
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:23:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:22:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070574.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 09:21
 Operator : YP\AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 09:38:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:38:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	358.0E6	419.2E6	50.000	50.000
2) SA Decachlor...	8.503	7.540	383.7E6	681.0E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.422	6.506	388.7E6	628.6E6	500.000	500.000
42) L9 AR-1268-2	7.499	6.568	357.5E6	580.8E6	500.000	500.000
43) L9 AR-1268-3	7.681	6.769	295.1E6	501.8E6	500.000	500.000
44) L9 AR-1268-4	7.992	7.056	122.9E6	218.6E6	500.000	500.000
45) L9 AR-1268-5	8.276	7.324	863.4E6	1507.9E6	500.000	500.000

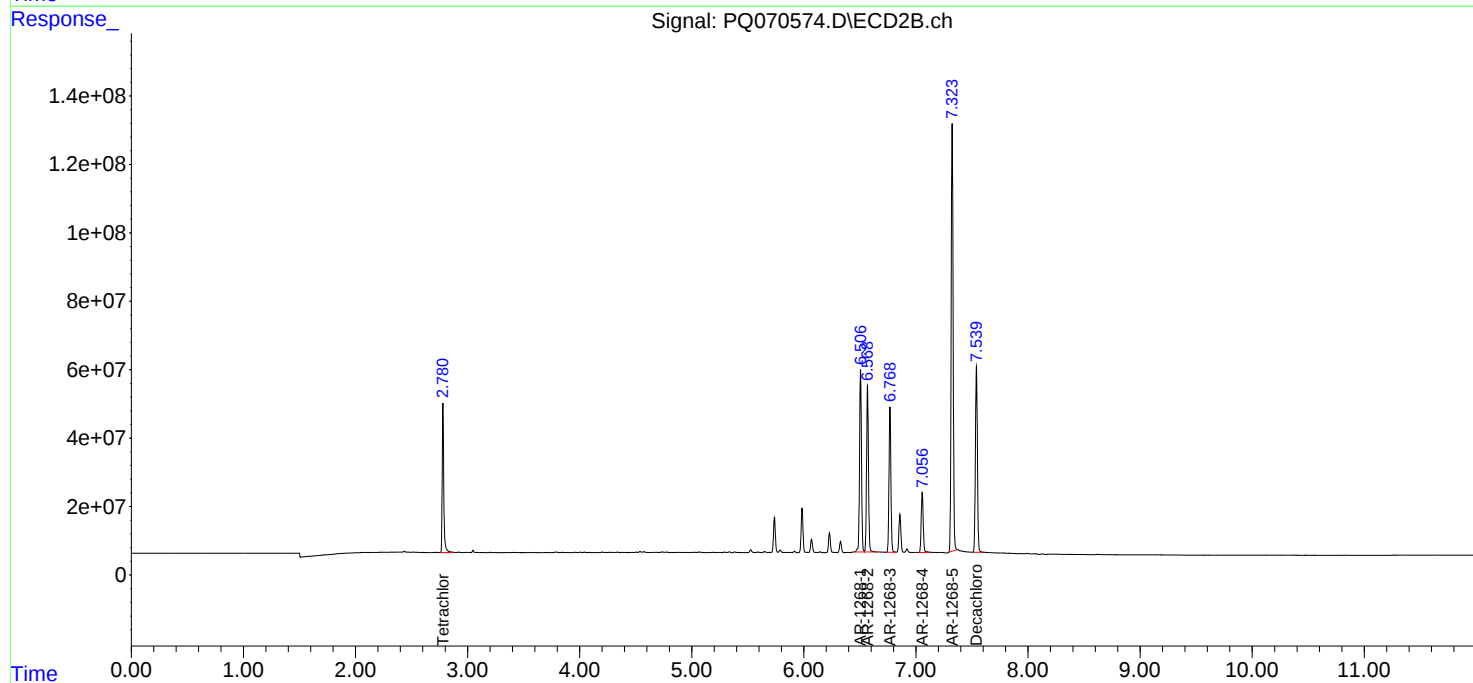
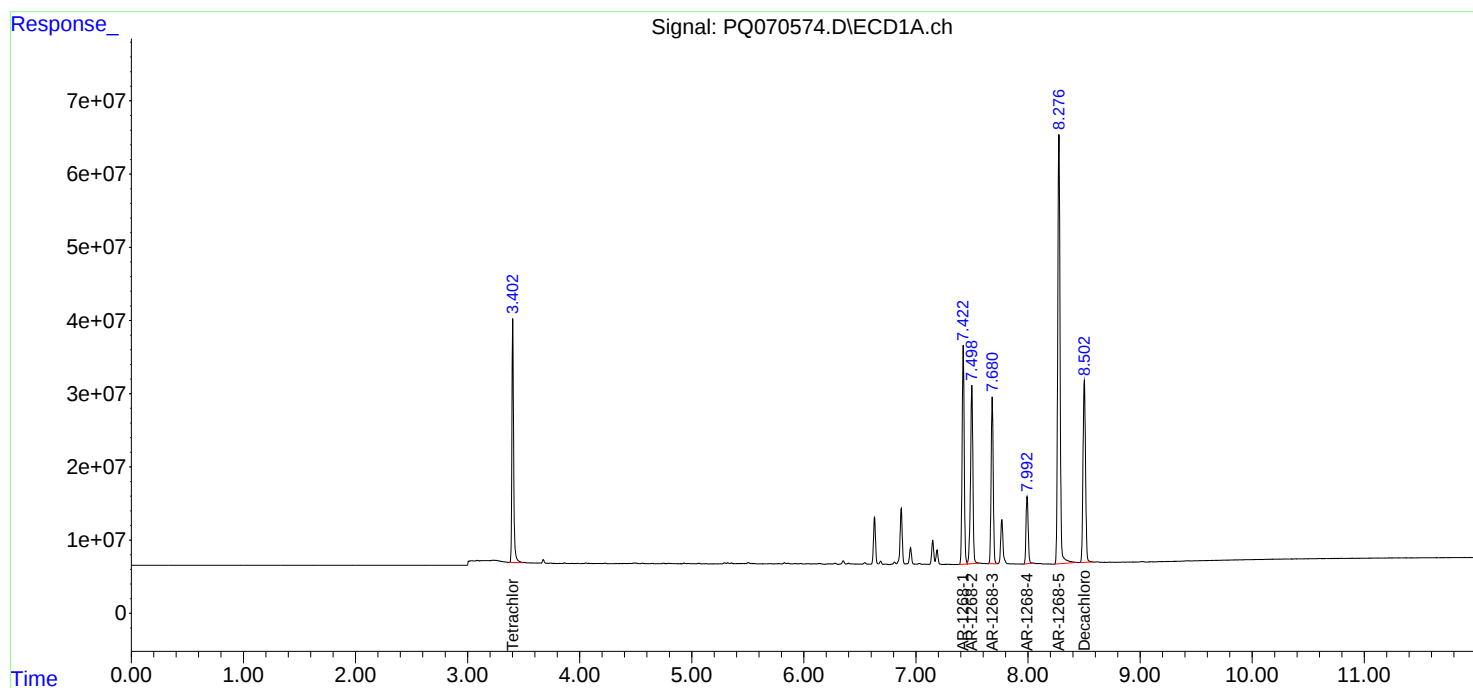
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:38:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:38:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070575.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 10:05
 Operator : YP\AJ
 Sample : PQ072225ICV500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ072225

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 10:19:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	444.0E6	495.3E6	50.545	49.639
2) SA Decachlor...	8.500	7.539	229.4E6	406.3E6	46.784	46.510
Target Compounds						
3) L1 AR-1016-1	4.483	3.781	134.4E6	157.9E6	485.528	472.946
4) L1 AR-1016-2	4.502	3.796	206.8E6	235.7E6	485.854	478.641
5) L1 AR-1016-3	4.560	3.957	128.7E6	132.0E6	485.459	480.007
6) L1 AR-1016-4	4.649	4.005	105.3E6	114.9E6	486.314	476.431
7) L1 AR-1016-5	4.933	4.200	102.8E6	136.7E6	480.752	485.473
31) L7 AR-1260-1	6.023	5.193	172.4E6	239.3E6	474.253	468.966
32) L7 AR-1260-2	6.279	5.383	200.0E6	279.2E6	470.169	463.398
33) L7 AR-1260-3	6.630	5.524	149.4E6	268.3E6	466.722	465.294
34) L7 AR-1260-4	6.844	5.984	162.2E6	221.3E6	467.830	465.309
35) L7 AR-1260-5	7.149	6.229	314.8E6	520.2E6	468.528	476.361

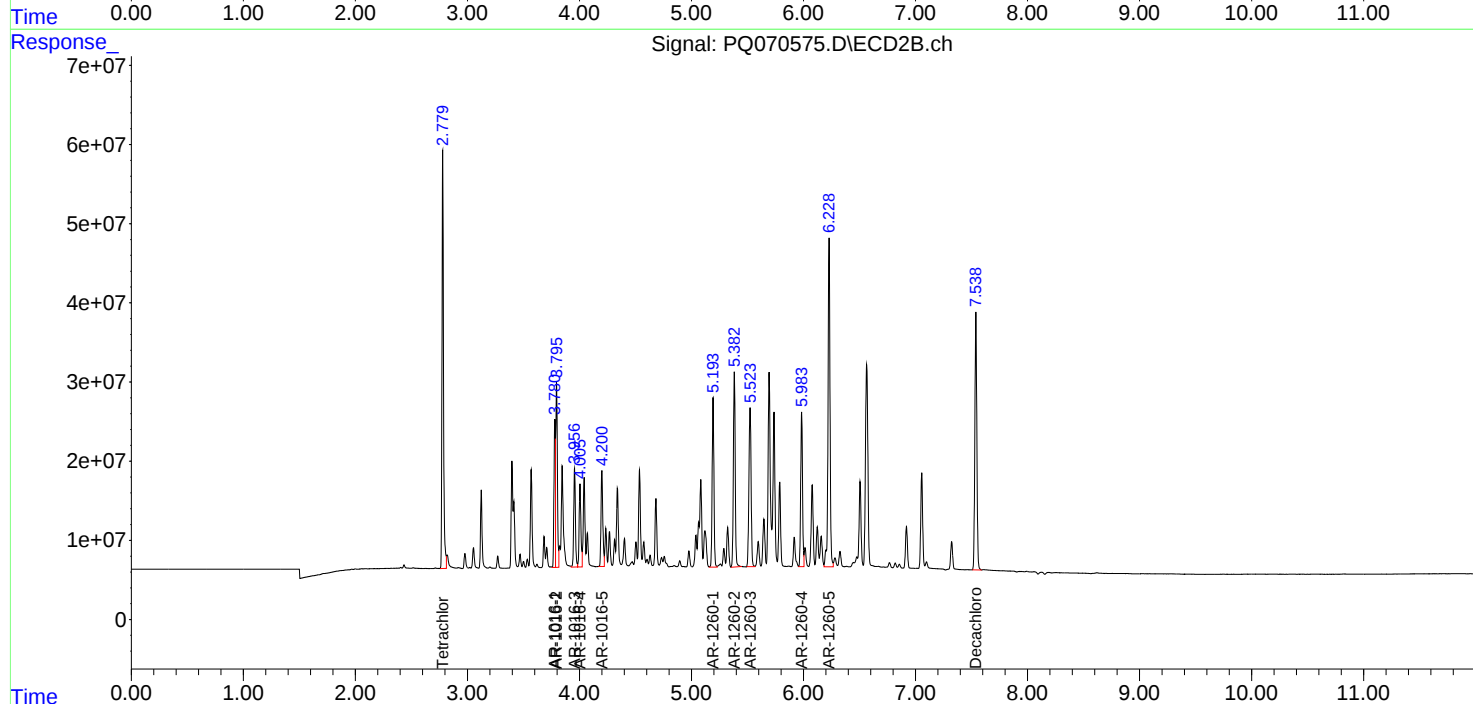
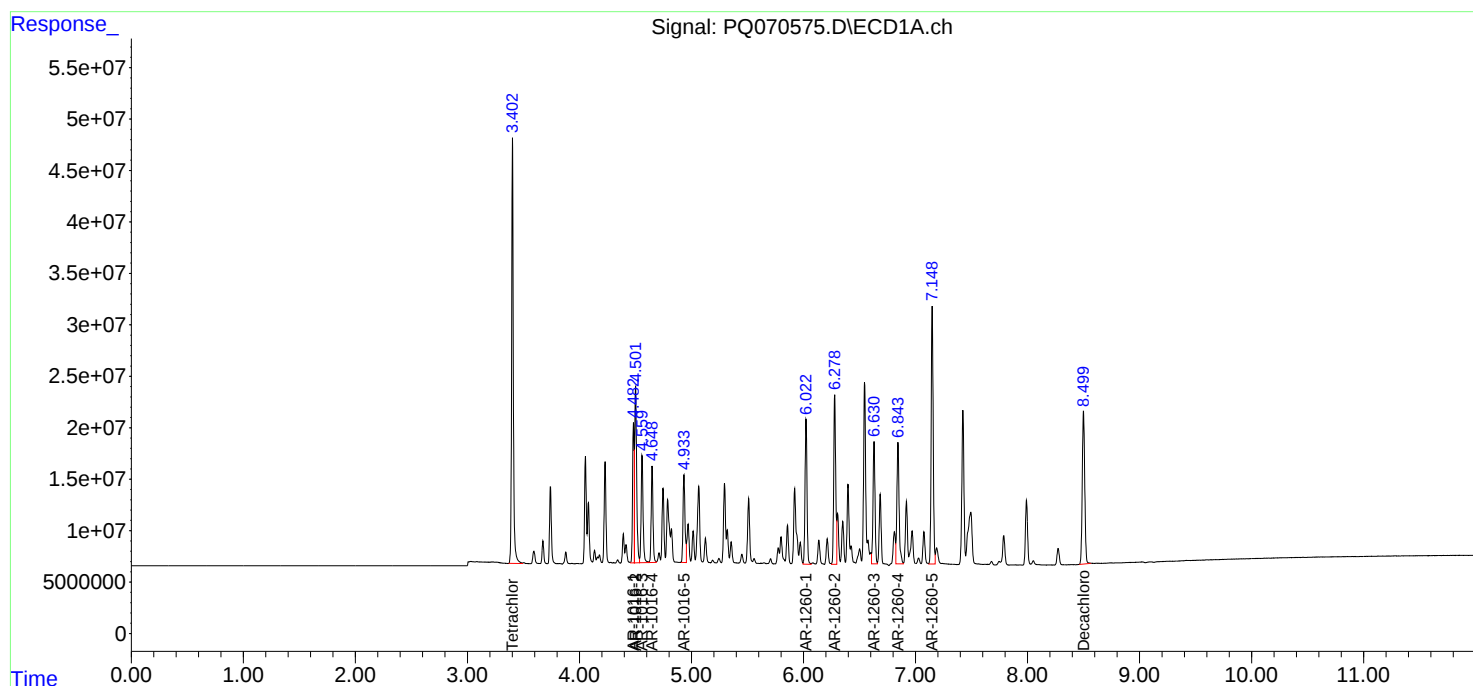
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:05
Operator : YP\AJ
Sample : PQ072225ICV500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 10:19:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070576.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 10:36
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ072225AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 11:46:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.405	2.780	472.2E6	528.7E6	53.759	52.984
2)	SA Decachlor...	8.503	7.539	249.1E6	435.6E6	50.790	49.857
Target Compounds							
16)	L4 AR-1242-1	4.486	3.781	127.8E6	150.3E6	552.240	538.370
17)	L4 AR-1242-2	4.504	3.797	196.2E6	220.9E6	552.964	537.060
18)	L4 AR-1242-3	4.562	3.957	123.3E6	124.3E6	561.110	539.460
19)	L4 AR-1242-4	4.652	4.043	101.5E6	116.4E6	562.422	539.181
20)	L4 AR-1242-5	5.357	4.538	98690358	145.1E6	552.425	535.889

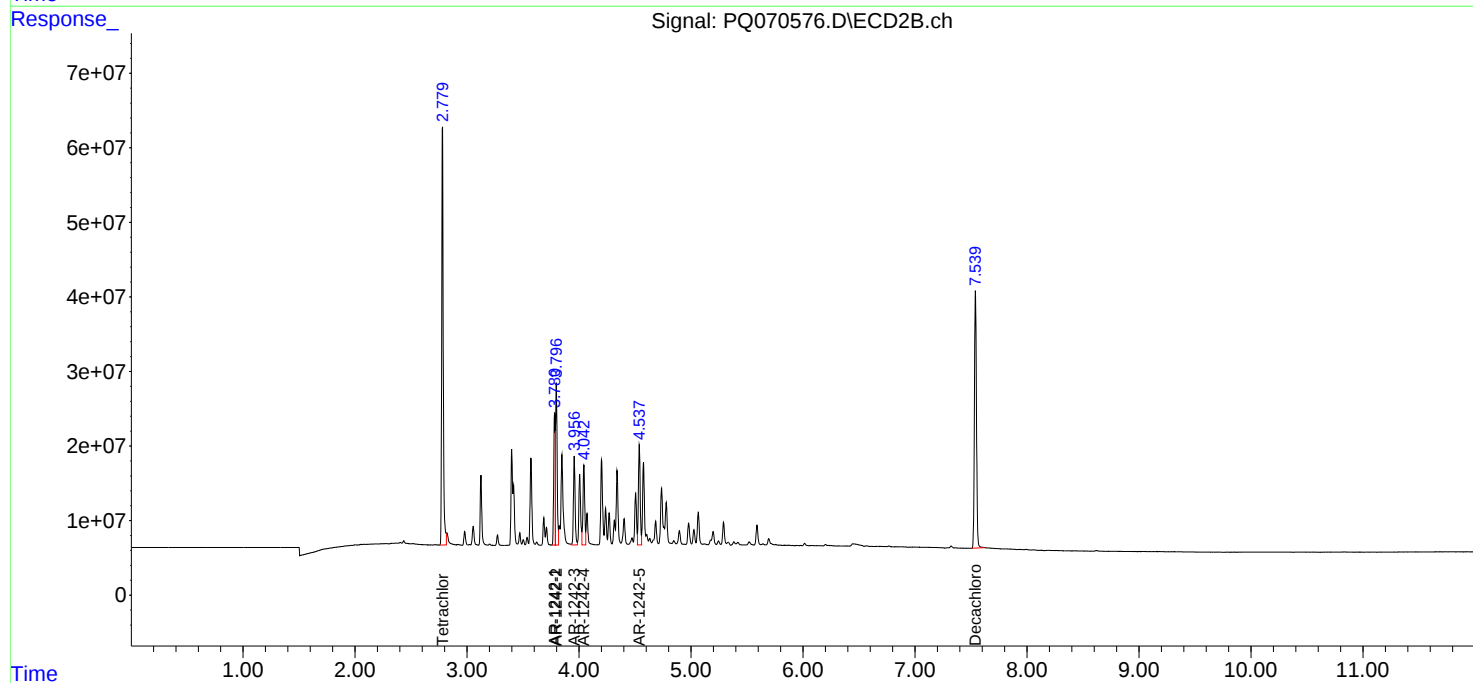
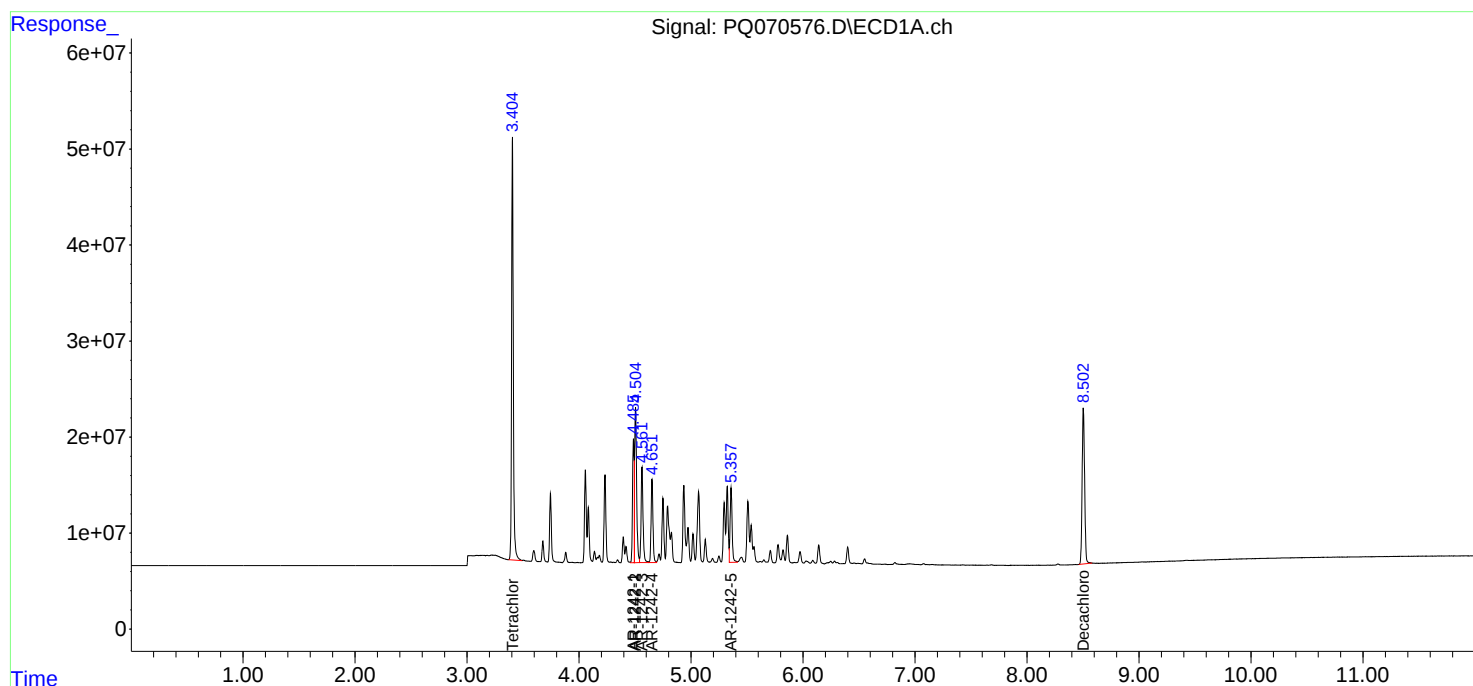
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:36
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:46:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070577.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 10:52
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ072225AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 11:47:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.407	2.779	404.0E6	467.9E6	45.991	46.885
2) SA Decachlor...	8.504	7.540	222.1E6	394.1E6	45.288	45.111
Target Compounds						
21) L5 AR-1248-1	4.487	3.780	81175333	97843910	481.623	473.688
22) L5 AR-1248-2	4.751	4.006	112.5E6	147.5E6	487.593	476.627
23) L5 AR-1248-3	4.938	4.043	133.2E6	141.5E6	488.863	474.339
24) L5 AR-1248-4	5.326	4.200	138.0E6	172.6E6	479.564	479.917
25) L5 AR-1248-5	5.359	4.575	139.9E6	163.5E6	495.070	472.090

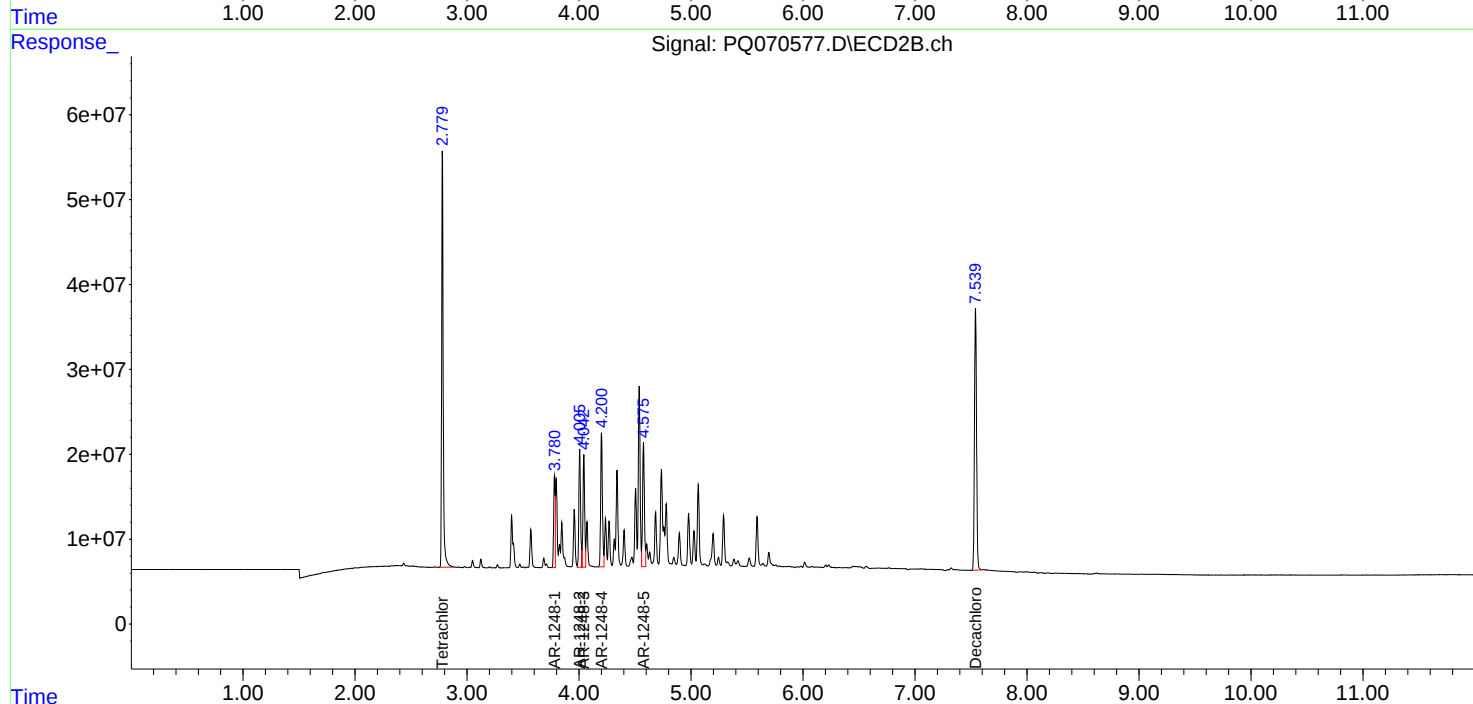
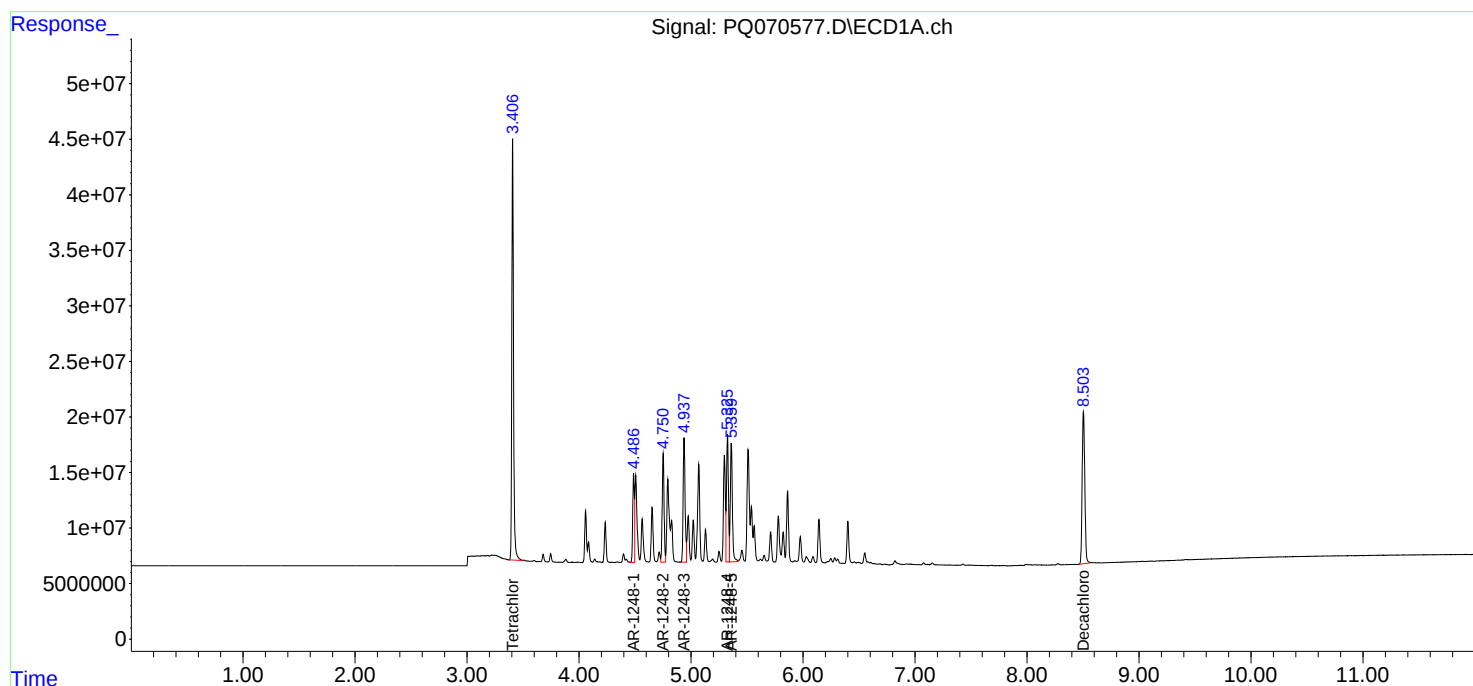
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:52
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:47:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
 Data File : PQ070578.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 11:23
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ072225AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 11:47:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.406	2.780	433.0E6	501.4E6	49.294	50.249
2) SA Decachlor...	8.504	7.540	225.8E6	400.7E6	46.049	45.871
Target Compounds						
26) L6 AR-1254-1	5.299	4.537	158.0E6	266.2E6	540.417	529.460
27) L6 AR-1254-2	5.514	4.684	237.1E6	232.4E6	547.106	536.817
28) L6 AR-1254-3	5.862	5.065	244.3E6	363.7E6	541.956	532.536
29) L6 AR-1254-4	6.141	5.290	165.4E6	208.0E6	520.337	515.140
30) L6 AR-1254-5	6.550	5.695	186.4E6	320.8E6	530.446	527.524

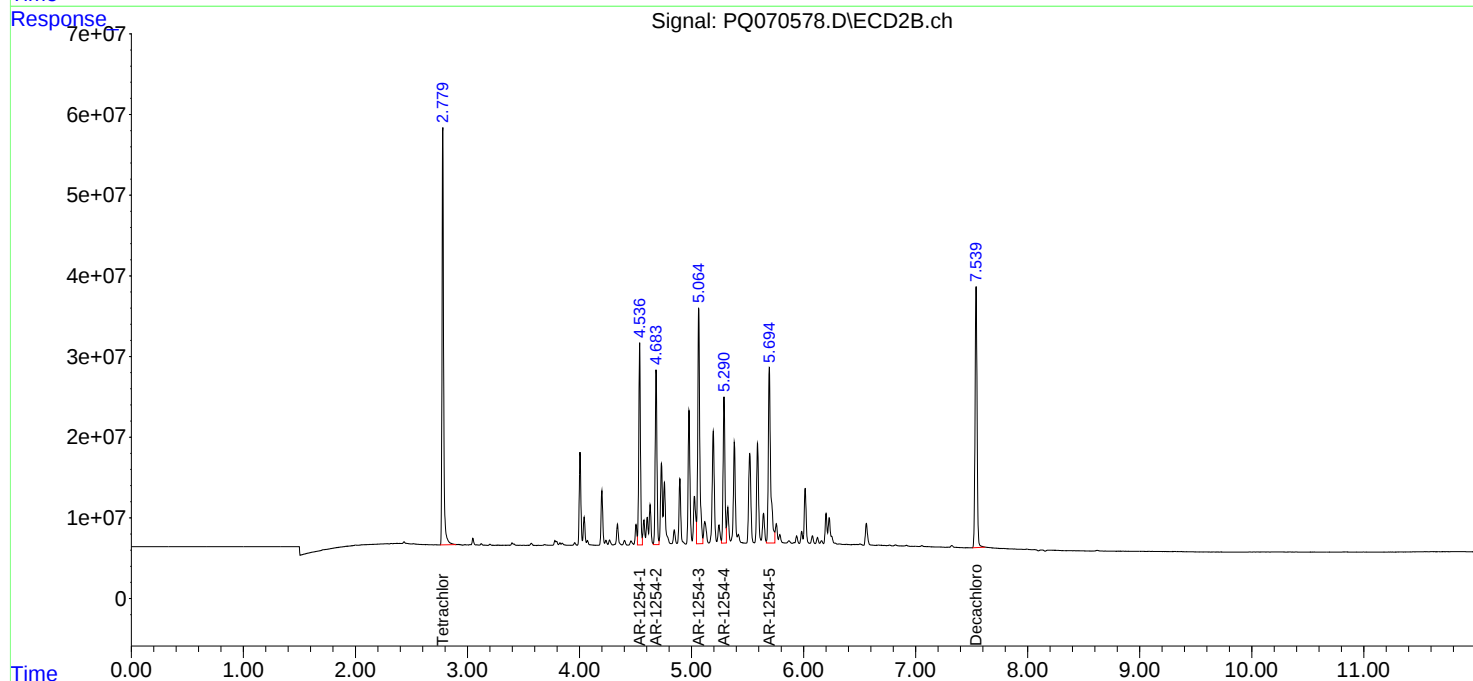
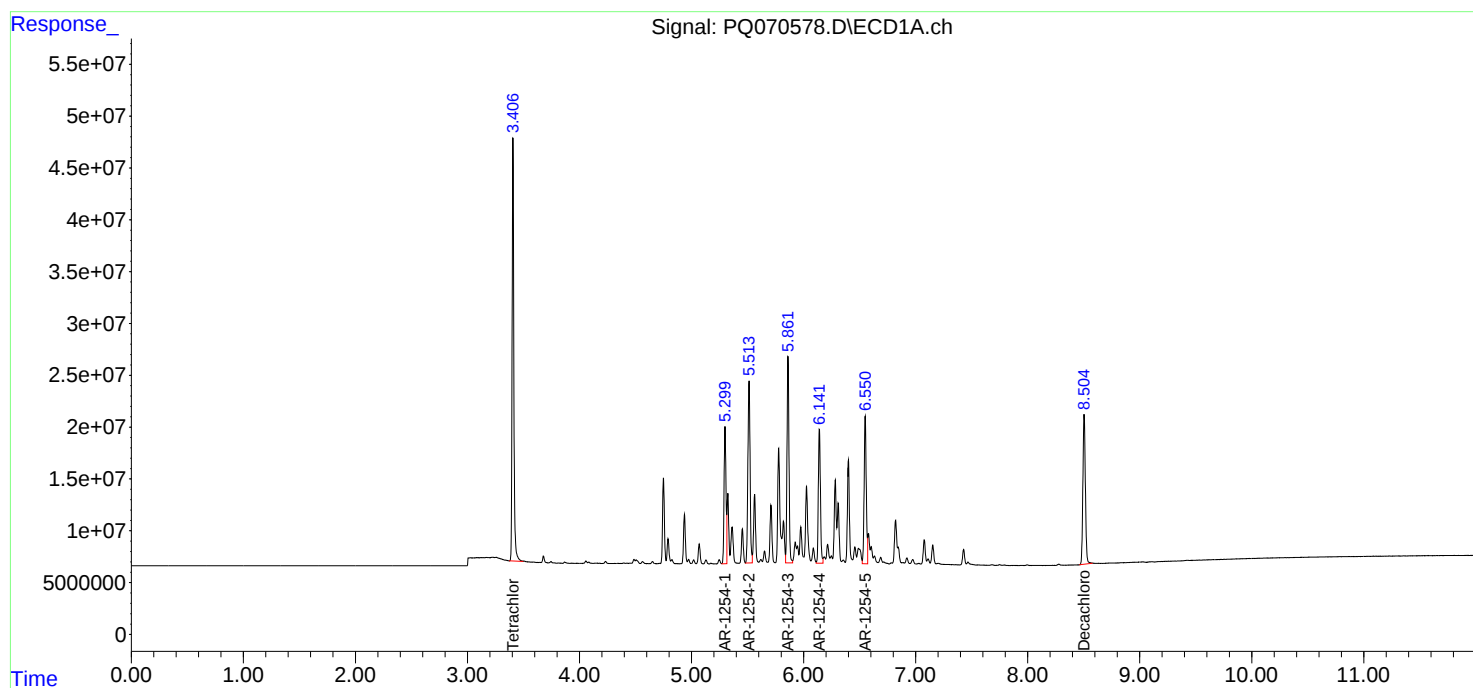
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:23
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ072225AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 11:47:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Continuing Calib Date: 07/22/2025

Initial Calibration Date(s): 07/08/2025 07/08/2025

Continuing Calib Time: 08:57

Initial Calibration Time(s): 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.84	4.84	4.74	4.94	0.00
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.00
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.81	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Continuing Calib Date: 07/22/2025

Initial Calibration Date(s): 07/08/2025

07/08/2025

Continuing Calib Time: 08:57

Initial Calibration Time(s): 14:06

22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.03
Aroclor-1260-1	(1)	6.21	6.24	6.14	6.34	0.03
Aroclor-1260-2	(2)	6.40	6.43	6.33	6.53	0.03
Aroclor-1260-3	(3)	6.55	6.58	6.48	6.68	0.03
Aroclor-1260-4	(4)	7.02	7.05	6.95	7.15	0.03
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.64	8.67	8.57	8.77	0.03



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO112366.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.759	4.661	4.861	518.970	500.000	3.8
Aroclor-1016-2	4.778	4.680	4.880	532.520	500.000	6.5
Aroclor-1016-3	4.835	4.736	4.936	514.470	500.000	2.9
Aroclor-1016-4	4.954	4.856	5.056	522.410	500.000	4.5
Aroclor-1016-5	5.211	5.113	5.313	511.450	500.000	2.3
Aroclor-1260-1	6.249	6.151	6.351	493.780	500.000	-1.2
Aroclor-1260-2	6.439	6.341	6.541	495.000	500.000	-1.0
Aroclor-1260-3	6.805	6.707	6.907	500.210	500.000	0.0
Aroclor-1260-4	7.064	6.967	7.167	503.510	500.000	0.7
Aroclor-1260-5	7.307	7.209	7.409	486.250	500.000	-2.8
Decachlorobiphenyl	8.700	8.603	8.803	49.980	50.000	0.0
Tetrachloro-m-xylene	3.672	3.573	3.773	57.200	50.000	14.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO112366.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.737	4.661	4.861	471.470	500.000	-5.7
Aroclor-1016-2	4.756	4.679	4.879	469.570	500.000	-6.1
Aroclor-1016-3	4.930	4.854	5.054	484.320	500.000	-3.1
Aroclor-1016-4	4.973	4.897	5.097	496.800	500.000	-0.6
Aroclor-1016-5	5.185	5.109	5.309	472.560	500.000	-5.5
Aroclor-1260-1	6.214	6.138	6.338	482.800	500.000	-3.4
Aroclor-1260-2	6.403	6.326	6.526	514.630	500.000	2.9
Aroclor-1260-3	6.554	6.478	6.678	517.520	500.000	3.5
Aroclor-1260-4	7.024	6.948	7.148	501.240	500.000	0.2
Aroclor-1260-5	7.267	7.190	7.390	519.750	500.000	4.0
Decachlorobiphenyl	8.643	8.568	8.768	47.160	50.000	-5.7
Tetrachloro-m-xylene	3.662	3.584	3.784	51.060	50.000	2.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072225\
 Data File : PO112366.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jul 2025 08:57
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2025
 Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 10:29:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 22 09:14:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.672	3.662	565.9E6	325.3E6	57.195	51.055
2)	SA Decachlor...	8.700	8.643	341.7E6	81274339	49.977	47.158m
Target Compounds							
3)	L1 AR-1016-1	4.759	4.737	176.5E6	105.1E6	518.970	471.475m
4)	L1 AR-1016-2	4.778	4.756	264.8E6	154.5E6	532.518	469.570m
5)	L1 AR-1016-3	4.835	4.930	166.5E6	82269412	514.472	484.317m
6)	L1 AR-1016-4	4.954	4.973	134.2E6	68174317	522.411	496.798m
7)	L1 AR-1016-5	5.211	5.185	140.0E6	81492370	511.454	472.556m
31)	L7 AR-1260-1	6.249	6.214	247.5E6	135.5E6	493.782	482.798
32)	L7 AR-1260-2	6.439	6.403	365.4E6	175.0E6	495.002	514.627
33)	L7 AR-1260-3	6.805	6.554	327.9E6	142.6E6	500.210	517.520m
34)	L7 AR-1260-4	7.064	7.024	219.2E6	100.6E6	503.511	501.240m
35)	L7 AR-1260-5	7.307	7.267	613.9E6	232.7E6	486.246	519.751

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 08:57
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

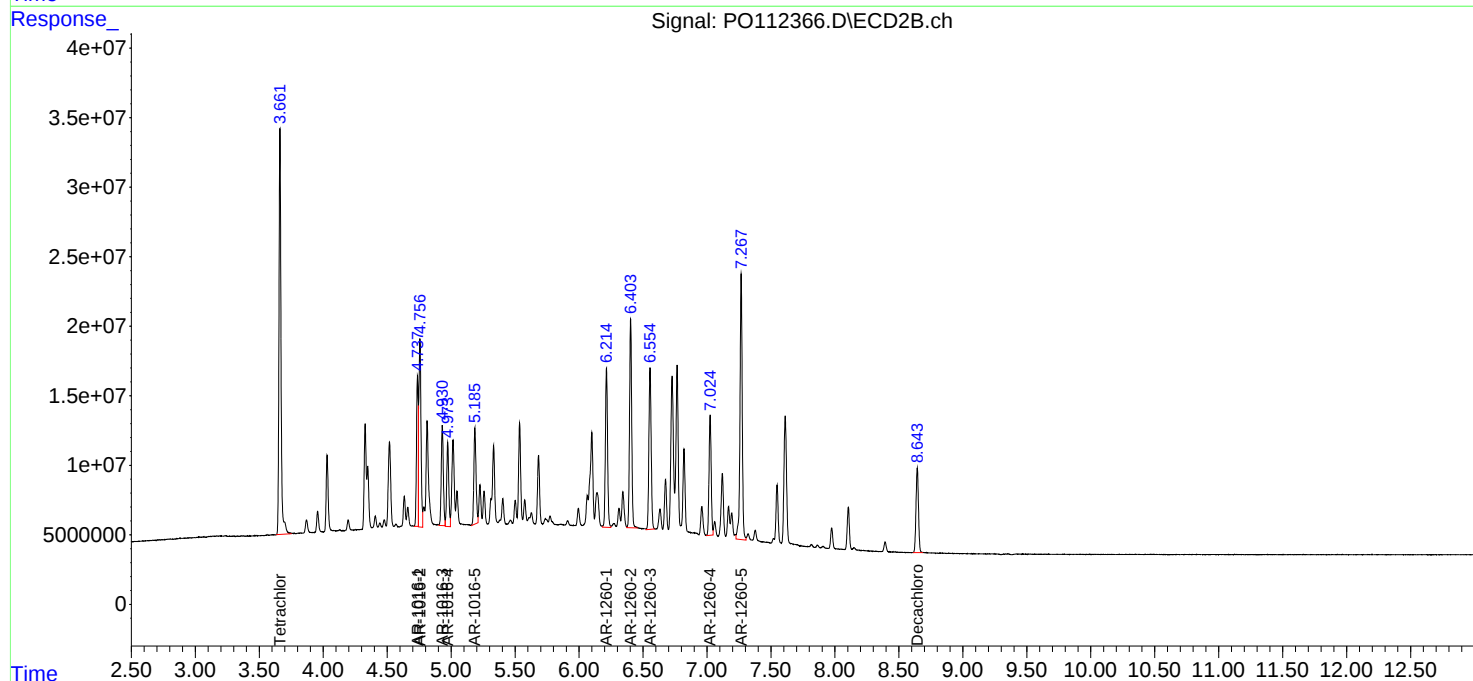
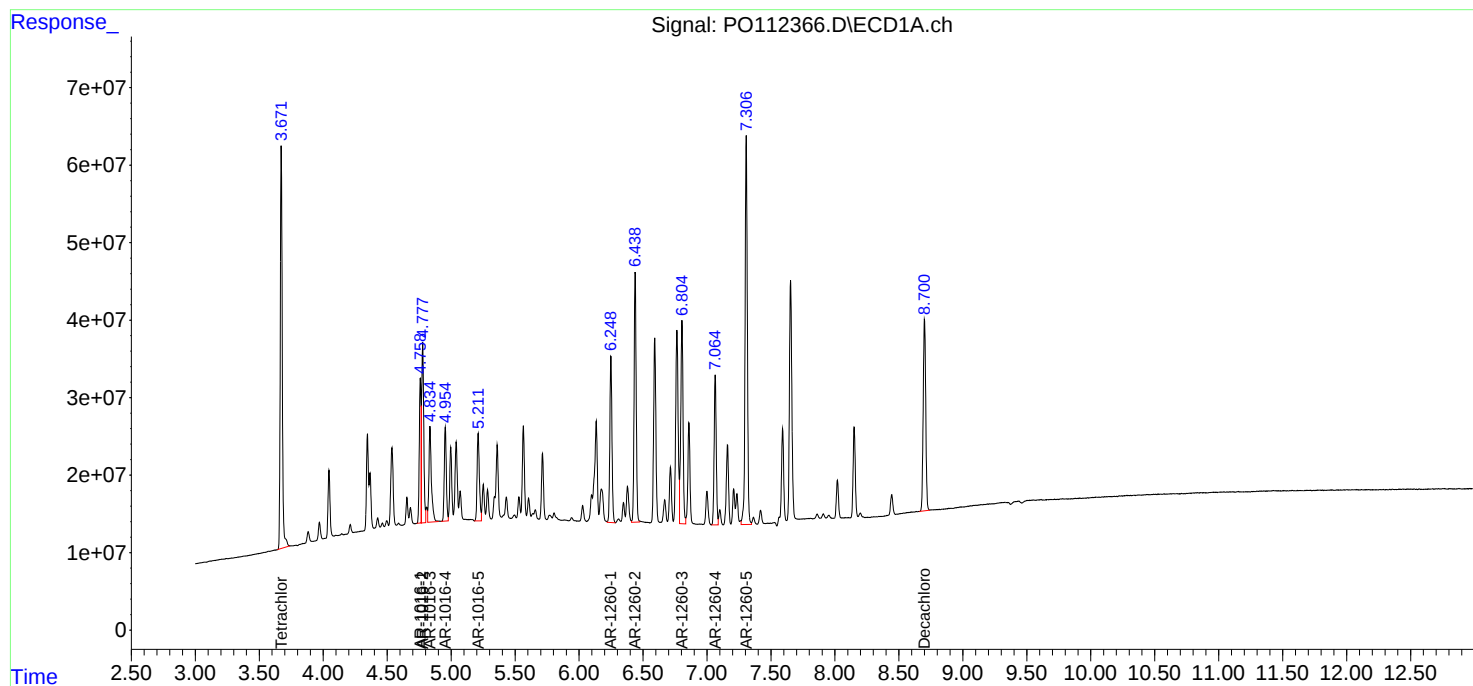
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 10:29:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Continuing Calib Date: 07/22/2025

Initial Calibration Date(s): 07/08/2025 07/08/2025

Continuing Calib Time: 16:21

Initial Calibration Time(s): 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.83	4.84	4.74	4.94	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.00
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.80	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Continuing Calib Date: 07/22/2025

Initial Calibration Date(s): 07/08/2025 07/08/2025

Continuing Calib Time: 16:21

Initial Calibration Time(s): 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.02
Aroclor-1260-1	(1)	6.22	6.24	6.14	6.34	0.02
Aroclor-1260-2	(2)	6.40	6.43	6.33	6.53	0.03
Aroclor-1260-3	(3)	6.55	6.58	6.48	6.68	0.03
Aroclor-1260-4	(4)	7.02	7.05	6.95	7.15	0.03
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.64	8.67	8.57	8.77	0.03



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO112381.D **Time Analyzed:** 16:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.756	4.661	4.861	531.760	500.000	6.4
Aroclor-1016-2	4.775	4.680	4.880	537.930	500.000	7.6
Aroclor-1016-3	4.832	4.736	4.936	518.230	500.000	3.6
Aroclor-1016-4	4.951	4.856	5.056	526.680	500.000	5.3
Aroclor-1016-5	5.209	5.113	5.313	549.170	500.000	9.8
Aroclor-1260-1	6.246	6.151	6.351	488.230	500.000	-2.4
Aroclor-1260-2	6.436	6.341	6.541	488.260	500.000	-2.3
Aroclor-1260-3	6.801	6.707	6.907	477.960	500.000	-4.4
Aroclor-1260-4	7.061	6.967	7.167	504.140	500.000	0.8
Aroclor-1260-5	7.304	7.209	7.409	501.750	500.000	0.4
Decachlorobiphenyl	8.695	8.603	8.803	49.550	50.000	-0.9
Tetrachloro-m-xylene	3.670	3.573	3.773	58.470	50.000	16.9



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/22/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO112381.D **Time Analyzed:** 16:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.738	4.661	4.861	492.160	500.000	-1.6
Aroclor-1016-2	4.756	4.679	4.879	479.070	500.000	-4.2
Aroclor-1016-3	4.931	4.854	5.054	496.440	500.000	-0.7
Aroclor-1016-4	4.974	4.897	5.097	492.160	500.000	-1.6
Aroclor-1016-5	5.186	5.109	5.309	516.450	500.000	3.3
Aroclor-1260-1	6.215	6.138	6.338	481.700	500.000	-3.7
Aroclor-1260-2	6.404	6.326	6.526	499.280	500.000	-0.1
Aroclor-1260-3	6.554	6.478	6.678	492.460	500.000	-1.5
Aroclor-1260-4	7.024	6.948	7.148	455.250	500.000	-9.0
Aroclor-1260-5	7.266	7.190	7.390	459.270	500.000	-8.1
Decachlorobiphenyl	8.642	8.568	8.768	46.920	50.000	-6.2
Tetrachloro-m-xylene	3.662	3.584	3.784	53.080	50.000	6.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072225\
 Data File : PO112381.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jul 2025 16:21
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2025
 Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 01:52:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 22 09:14:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.670	3.662	578.5E6	338.2E6	58.470	53.081
2) SA Decachlor...	8.695	8.642	338.8E6	80859360	49.551	46.917
Target Compounds						
3) L1 AR-1016-1	4.756	4.738	180.9E6	109.7E6	531.757	492.161m
4) L1 AR-1016-2	4.775	4.756	267.5E6	157.7E6	537.929	479.071m
5) L1 AR-1016-3	4.832	4.931	167.8E6	84329493	518.228	496.445m
6) L1 AR-1016-4	4.951	4.974	135.3E6	67538407	526.679	492.164m
7) L1 AR-1016-5	5.209	5.186	150.3E6	89062171	549.172	516.451m
31) L7 AR-1260-1	6.246	6.215	244.7E6	135.1E6	488.228	481.696
32) L7 AR-1260-2	6.436	6.404	360.4E6	169.8E6	488.264	499.283
33) L7 AR-1260-3	6.801	6.554	313.3E6	135.7E6	477.962	492.462m
34) L7 AR-1260-4	7.061	7.024	219.4E6	91343921	504.145	455.251m
35) L7 AR-1260-5	7.304	7.266	633.5E6	205.6E6	501.754	459.271

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 16:21
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

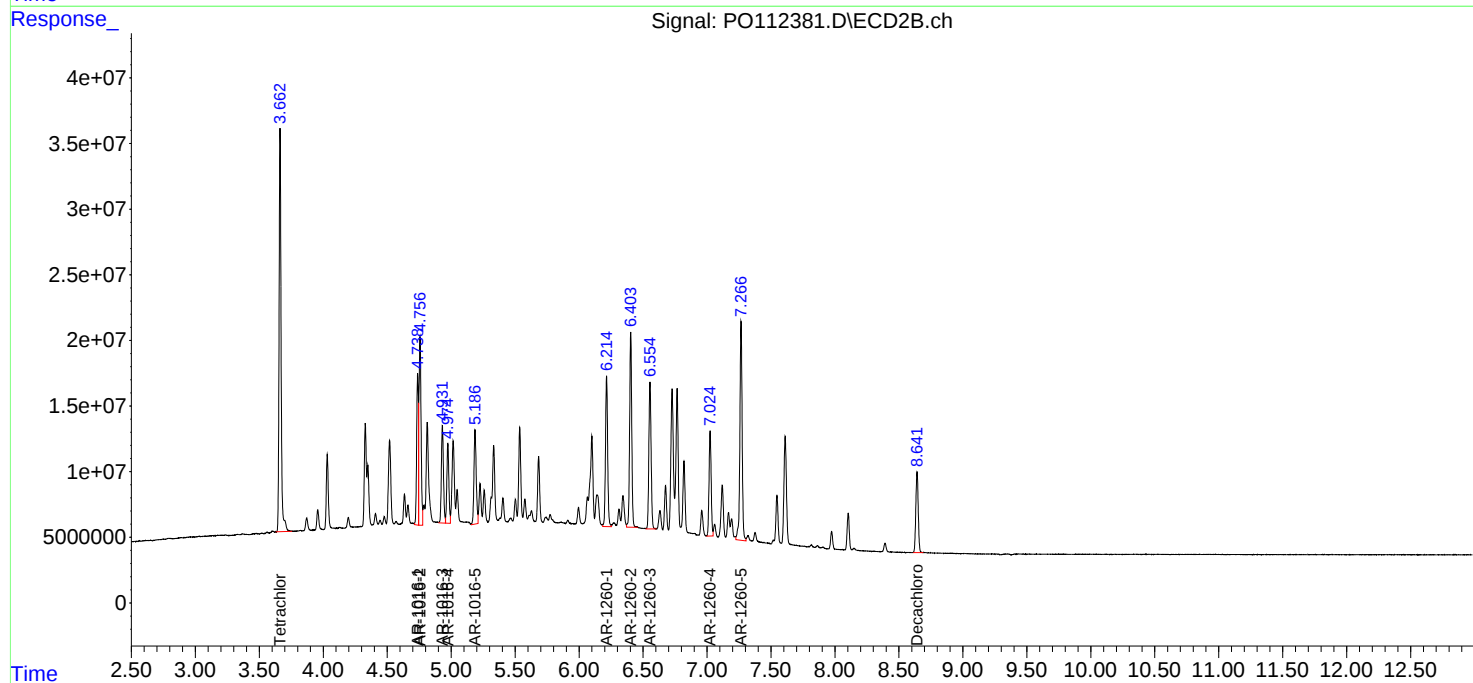
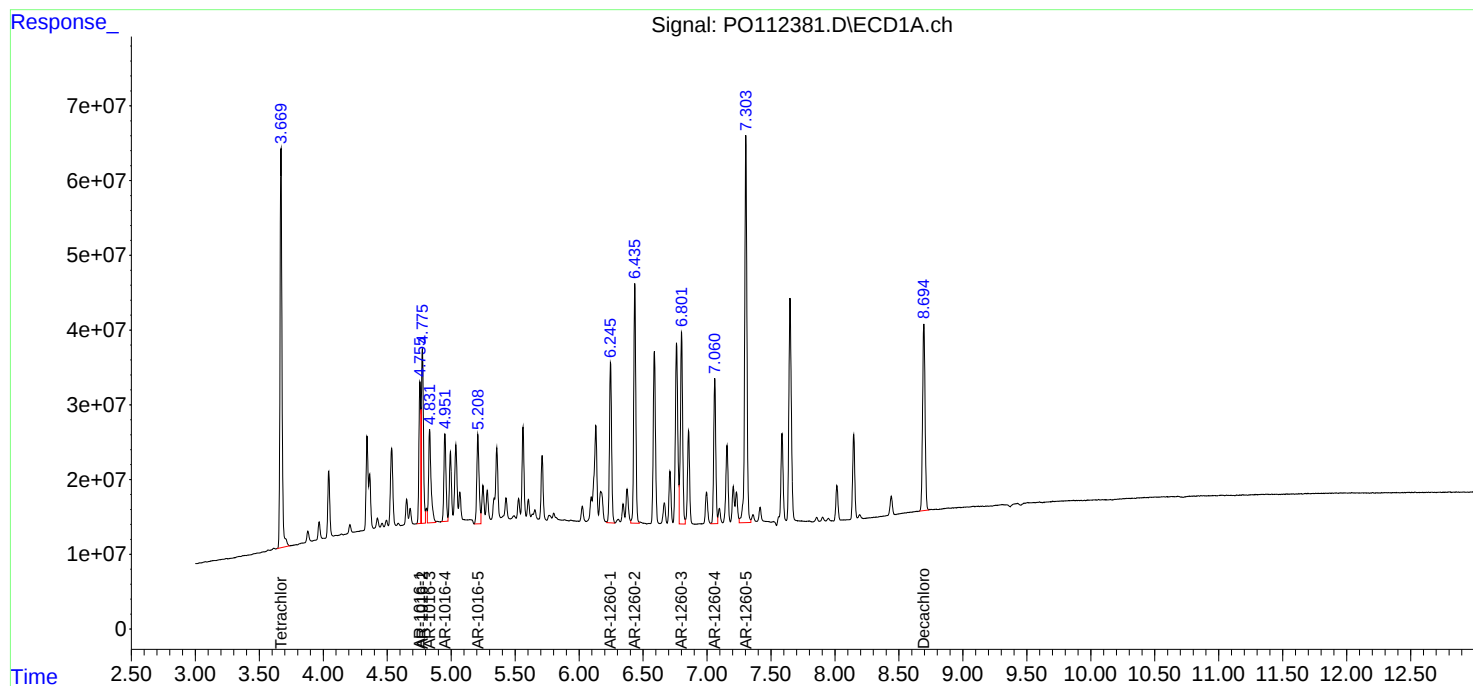
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:52:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Continuing Calib Date: 07/23/2025

Initial Calibration Date(s): 07/23/2025 07/23/2025

Continuing Calib Time: 17:15

Initial Calibration Time(s): 02:59 09:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.94	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Continuing Calib Date: 07/23/2025

Initial Calibration Date(s): 07/23/2025 07/23/2025

Continuing Calib Time: 17:15

Initial Calibration Time(s): 02:59 09:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.80	3.80	3.70	3.90	0.00
Aroclor-1016-3	(3)	3.96	3.96	3.86	4.06	0.00
Aroclor-1016-4	(4)	4.01	4.01	3.91	4.11	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.99	5.89	6.09	0.01
Aroclor-1260-5	(5)	6.23	6.23	6.13	6.33	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.54	7.54	7.44	7.64	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/23/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ070596.D **Time Analyzed:** 17:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.484	4.383	4.583	536.950	500.000	7.4
Aroclor-1016-2	4.502	4.402	4.602	540.570	500.000	8.1
Aroclor-1016-3	4.561	4.460	4.660	537.220	500.000	7.4
Aroclor-1016-4	4.650	4.550	4.750	542.630	500.000	8.5
Aroclor-1016-5	4.935	4.834	5.034	541.900	500.000	8.4
Aroclor-1260-1	6.024	5.923	6.123	546.090	500.000	9.2
Aroclor-1260-2	6.280	6.180	6.380	547.460	500.000	9.5
Aroclor-1260-3	6.632	6.531	6.731	541.020	500.000	8.2
Aroclor-1260-4	6.846	6.745	6.945	548.320	500.000	9.7
Aroclor-1260-5	7.151	7.050	7.250	557.110	500.000	11.4
Decachlorobiphenyl	8.503	8.399	8.599	52.230	50.000	4.5
Tetrachloro-m-xylene	3.403	3.303	3.503	52.280	50.000	4.6



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/23/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ070596.D **Time Analyzed:** 17:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.781	3.681	3.881	502.200	500.000	0.4
Aroclor-1016-2	3.797	3.697	3.897	497.340	500.000	-0.5
Aroclor-1016-3	3.957	3.857	4.057	496.470	500.000	-0.7
Aroclor-1016-4	4.006	3.906	4.106	488.990	500.000	-2.2
Aroclor-1016-5	4.200	4.101	4.301	507.770	500.000	1.6
Aroclor-1260-1	5.194	5.094	5.294	495.470	500.000	-0.9
Aroclor-1260-2	5.383	5.284	5.484	496.100	500.000	-0.8
Aroclor-1260-3	5.524	5.424	5.624	494.570	500.000	-1.1
Aroclor-1260-4	5.984	5.885	6.085	490.840	500.000	-1.8
Aroclor-1260-5	6.228	6.129	6.329	512.010	500.000	2.4
Decachlorobiphenyl	7.540	7.440	7.640	47.110	50.000	-5.8
Tetrachloro-m-xylene	2.780	2.680	2.880	48.370	50.000	-3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
 Data File : PQ070596.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 17:15
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 07:03:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	459.2E6	482.7E6	52.276	48.374
2) SA Decachlor...	8.503	7.540	256.1E6	411.6E6	52.231	47.111
Target Compounds						
3) L1 AR-1016-1	4.484	3.781	148.6E6	167.7E6	536.949	502.201
4) L1 AR-1016-2	4.502	3.797	230.1E6	245.0E6	540.567	497.338
5) L1 AR-1016-3	4.561	3.957	142.4E6	136.5E6	537.218	496.470
6) L1 AR-1016-4	4.650	4.006	117.5E6	117.9E6	542.628	488.989
7) L1 AR-1016-5	4.935	4.200	115.9E6	143.0E6	541.898	507.769
31) L7 AR-1260-1	6.024	5.194	198.6E6	252.8E6	546.095	495.467
32) L7 AR-1260-2	6.280	5.383	232.8E6	298.9E6	547.459	496.098
33) L7 AR-1260-3	6.632	5.524	173.1E6	285.2E6	541.019	494.567
34) L7 AR-1260-4	6.846	5.984	190.1E6	233.4E6	548.318	490.840
35) L7 AR-1260-5	7.151	6.228	374.4E6	559.1E6	557.113	512.007

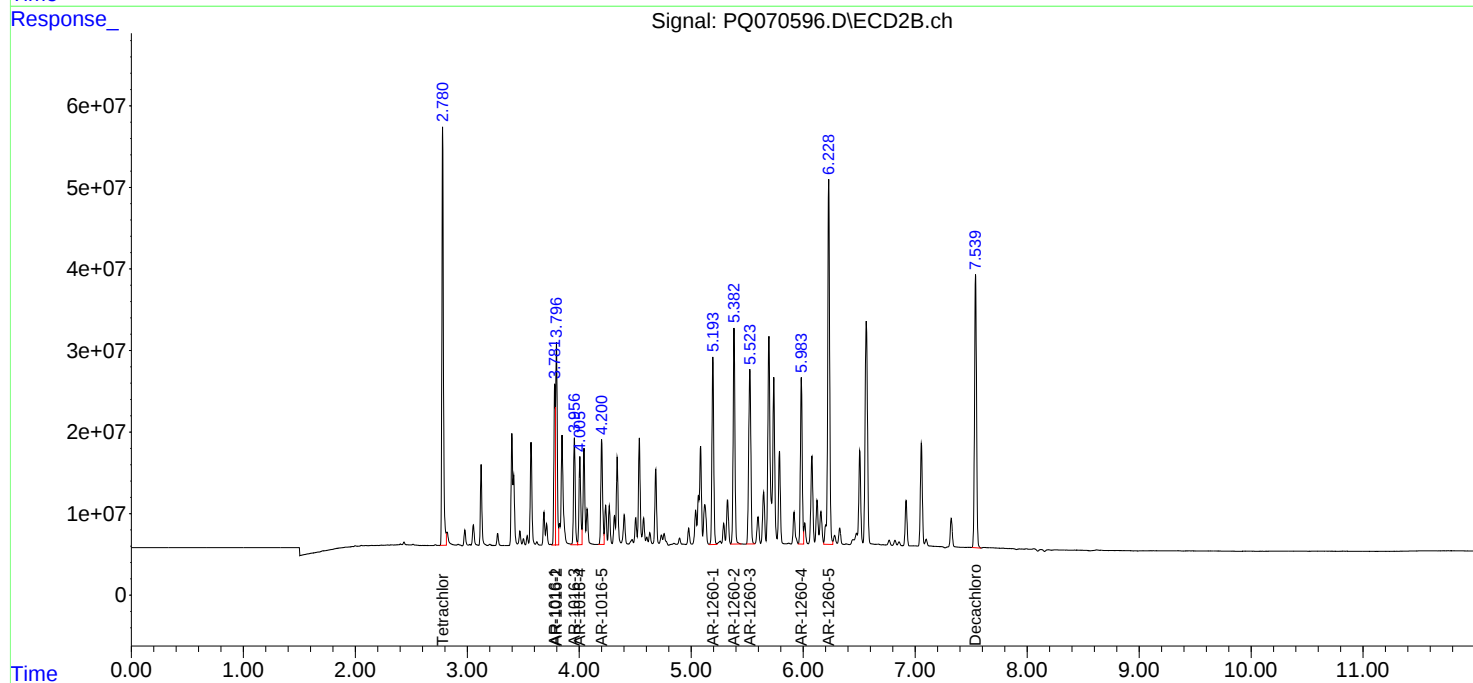
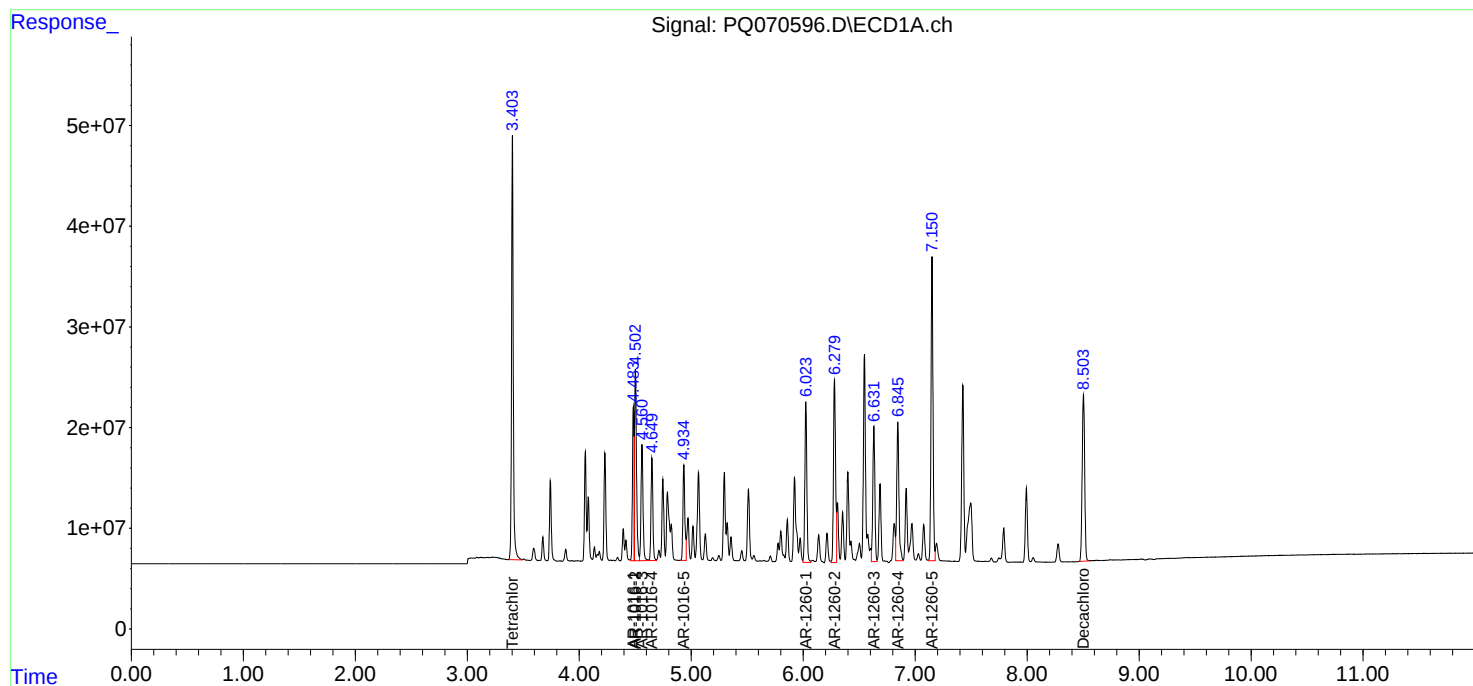
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 17:15
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:03:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Continuing Calib Date: 07/23/2025

Initial Calibration Date(s): 07/23/2025 07/23/2025

Continuing Calib Time: 22:07

Initial Calibration Time(s): 02:59 09:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Continuing Calib Date: 07/23/2025

Initial Calibration Date(s): 07/23/2025 07/23/2025

Continuing Calib Time: 22:07

Initial Calibration Time(s): 02:59 09:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.80	3.80	3.70	3.90	0.00
Aroclor-1016-3	(3)	3.96	3.96	3.86	4.06	0.00
Aroclor-1016-4	(4)	4.01	4.01	3.91	4.11	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.99	5.89	6.09	0.01
Aroclor-1260-5	(5)	6.23	6.23	6.13	6.33	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.54	7.54	7.44	7.64	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/23/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ070611.D **Time Analyzed:** 22:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.483	4.383	4.583	540.470	500.000	8.1
Aroclor-1016-2	4.503	4.402	4.602	533.230	500.000	6.6
Aroclor-1016-3	4.560	4.460	4.660	531.100	500.000	6.2
Aroclor-1016-4	4.650	4.550	4.750	532.420	500.000	6.5
Aroclor-1016-5	4.934	4.834	5.034	532.180	500.000	6.4
Aroclor-1260-1	6.024	5.923	6.123	527.430	500.000	5.5
Aroclor-1260-2	6.280	6.180	6.380	527.990	500.000	5.6
Aroclor-1260-3	6.631	6.531	6.731	522.940	500.000	4.6
Aroclor-1260-4	6.844	6.745	6.945	525.760	500.000	5.2
Aroclor-1260-5	7.149	7.050	7.250	526.580	500.000	5.3
Decachlorobiphenyl	8.499	8.399	8.599	47.450	50.000	-5.1
Tetrachloro-m-xylene	3.403	3.303	3.503	52.260	50.000	4.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/23/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ070611.D **Time Analyzed:** 22:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.781	3.681	3.881	481.780	500.000	-3.6
Aroclor-1016-2	3.797	3.697	3.897	478.940	500.000	-4.2
Aroclor-1016-3	3.957	3.857	4.057	476.990	500.000	-4.6
Aroclor-1016-4	4.006	3.906	4.106	468.790	500.000	-6.2
Aroclor-1016-5	4.201	4.101	4.301	486.800	500.000	-2.6
Aroclor-1260-1	5.194	5.094	5.294	472.270	500.000	-5.5
Aroclor-1260-2	5.383	5.284	5.484	471.060	500.000	-5.8
Aroclor-1260-3	5.524	5.424	5.624	465.510	500.000	-6.9
Aroclor-1260-4	5.984	5.885	6.085	455.660	500.000	-8.9
Aroclor-1260-5	6.229	6.129	6.329	447.410	500.000	-10.5
Decachlorobiphenyl	7.539	7.440	7.640	39.410	50.000	-21.2
Tetrachloro-m-xylene	2.781	2.680	2.880	46.240	50.000	-7.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
 Data File : PQ070611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 22:07
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 07:08:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.781	459.1E6	461.4E6	52.261	46.238
2) SA Decachlor...	8.499	7.539	232.7E6	344.3E6	47.454	39.412
Target Compounds						
3) L1 AR-1016-1	4.483	3.781	149.6E6	160.8E6	540.471	481.776
4) L1 AR-1016-2	4.503	3.797	227.0E6	235.9E6	533.232	478.945
5) L1 AR-1016-3	4.560	3.957	140.8E6	131.2E6	531.102	476.988
6) L1 AR-1016-4	4.650	4.006	115.2E6	113.0E6	532.417	468.788
7) L1 AR-1016-5	4.934	4.201	113.8E6	137.1E6	532.181	486.803
31) L7 AR-1260-1	6.024	5.194	191.8E6	241.0E6	527.428	472.269
32) L7 AR-1260-2	6.280	5.383	224.5E6	283.8E6	527.994	471.055
33) L7 AR-1260-3	6.631	5.524	167.4E6	268.5E6	522.941	465.515
34) L7 AR-1260-4	6.844	5.984	182.3E6	216.7E6	525.762	455.664
35) L7 AR-1260-5	7.149	6.229	353.8E6	488.5E6	526.580	447.415

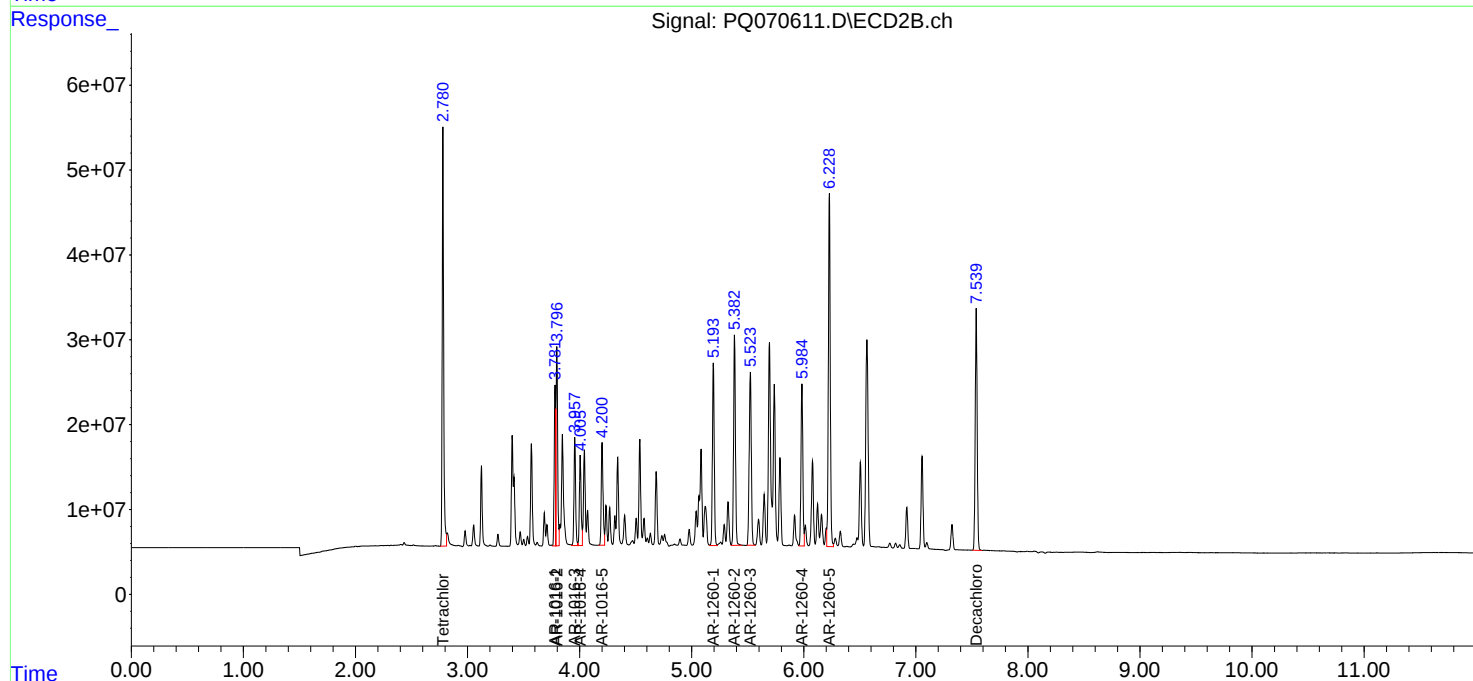
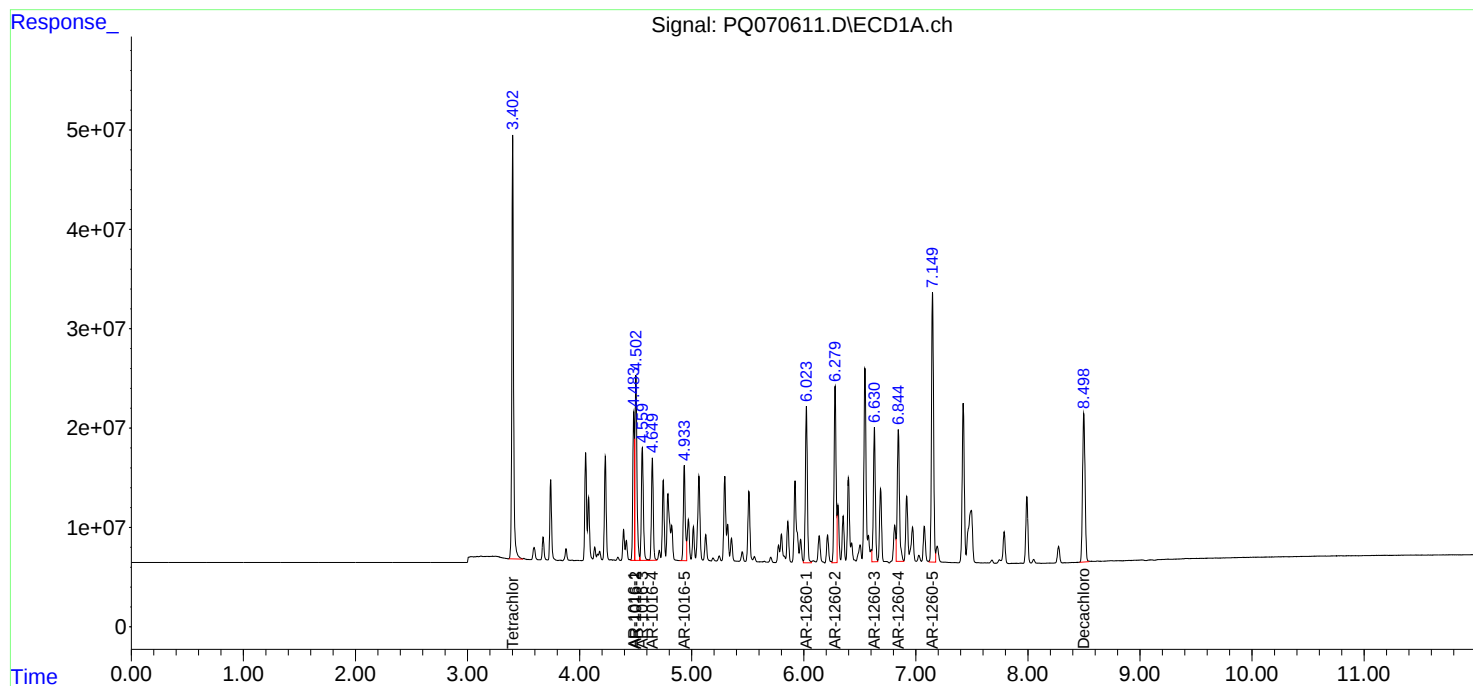
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:07
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:08:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Earth Engineering Inc.

SDG No.: Q2651

Project: Leon Avenue

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/08/2025

07/08/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/08/2025	13:49	PO112087.D	8.70	3.67
AR1660ICC1000	AR1660ICC1000	07/08/2025	14:06	PO112088.D	8.70	3.67
AR1660ICC750	AR1660ICC750	07/08/2025	14:25	PO112089.D	8.70	3.67
AR1660ICC500	AR1660ICC500	07/08/2025	14:43	PO112090.D	8.70	3.67
AR1660ICC250	AR1660ICC250	07/08/2025	15:02	PO112091.D	8.70	3.67
AR1660ICC050	AR1660ICC050	07/08/2025	15:21	PO112092.D	8.70	3.67
AR1221ICC500	AR1221ICC500	07/08/2025	15:38	PO112093.D	8.70	3.67
AR1232ICC500	AR1232ICC500	07/08/2025	15:57	PO112094.D	8.70	3.67
AR1242ICC1000	AR1242ICC1000	07/08/2025	16:15	PO112095.D	8.70	3.67
AR1242ICC750	AR1242ICC750	07/08/2025	16:34	PO112096.D	8.70	3.67
AR1242ICC500	AR1242ICC500	07/08/2025	16:52	PO112097.D	8.70	3.67
AR1242ICC250	AR1242ICC250	07/08/2025	17:11	PO112098.D	8.70	3.67
AR1242ICC050	AR1242ICC050	07/08/2025	17:29	PO112099.D	8.70	3.67
AR1248ICC1000	AR1248ICC1000	07/08/2025	17:48	PO112100.D	8.70	3.67
AR1248ICC750	AR1248ICC750	07/08/2025	18:05	PO112101.D	8.70	3.67
AR1248ICC500	AR1248ICC500	07/08/2025	18:24	PO112102.D	8.70	3.67
AR1248ICC250	AR1248ICC250	07/08/2025	18:41	PO112103.D	8.70	3.67
AR1248ICC050	AR1248ICC050	07/08/2025	18:59	PO112104.D	8.70	3.67
AR1254ICC1000	AR1254ICC1000	07/08/2025	19:18	PO112105.D	8.70	3.67
AR1254ICC750	AR1254ICC750	07/08/2025	19:35	PO112106.D	8.70	3.67
AR1254ICC500	AR1254ICC500	07/08/2025	19:54	PO112107.D	8.70	3.67
AR1254ICC250	AR1254ICC250	07/08/2025	20:11	PO112108.D	8.70	3.67
AR1254ICC050	AR1254ICC050	07/08/2025	20:28	PO112109.D	8.70	3.67
AR1262ICC500	AR1262ICC500	07/08/2025	20:47	PO112110.D	8.70	3.67
AR1268ICC1000	AR1268ICC1000	07/08/2025	21:04	PO112111.D	8.70	3.67
AR1268ICC750	AR1268ICC750	07/08/2025	21:22	PO112112.D	8.70	3.67
AR1268ICC500	AR1268ICC500	07/08/2025	21:39	PO112113.D	8.70	3.67
AR1268ICC250	AR1268ICC250	07/08/2025	21:57	PO112114.D	8.70	3.67
AR1268ICC050	AR1268ICC050	07/08/2025	22:16	PO112115.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/22/2025	08:57	PO112366.D	8.70	3.67
IBLK	IBLK	07/22/2025	10:08	PO112370.D	8.70	3.67
PB168946BL	PB168946BL	07/22/2025	13:35	PO112375.D	8.70	3.67
PB168946BS	PB168946BS	07/22/2025	13:53	PO112376.D	8.69	3.67
WC-IMS	Q2649-01MS	07/22/2025	14:48	PO112379.D	8.69	3.67
WC-IMSD	Q2649-01MSD	07/22/2025	15:07	PO112380.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/22/2025	16:21	PO112381.D	8.70	3.67
IBLK	IBLK	07/22/2025	17:32	PO112385.D	8.70	3.67
IBLK	IBLK	07/23/2025	02:29	PQ070550.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	07/23/2025	02:59	PQ070551.D	8.50	3.40
AR1660ICC750	AR1660ICC750	07/23/2025	03:13	PQ070552.D	8.50	3.40
AR1660ICC500	AR1660ICC500	07/23/2025	03:28	PQ070553.D	8.50	3.40
AR1660ICC250	AR1660ICC250	07/23/2025	03:42	PQ070554.D	8.50	3.40

Analytical Sequence

AR1660ICC050	AR1660ICC050	07/23/2025	03:57	PQ070555.D	8.50	3.40
AR1221ICC500	AR1221ICC500	07/23/2025	04:15	PQ070556.D	8.51	3.41
AR1232ICC500	AR1232ICC500	07/23/2025	04:29	PQ070557.D	8.50	3.40
AR1242ICC1000	AR1242ICC1000	07/23/2025	04:44	PQ070558.D	8.50	3.40
AR1242ICC750	AR1242ICC750	07/23/2025	04:58	PQ070559.D	8.50	3.40
AR1242ICC500	AR1242ICC500	07/23/2025	05:13	PQ070560.D	8.50	3.40
AR1242ICC250	AR1242ICC250	07/23/2025	05:28	PQ070561.D	8.50	3.40
AR1242ICC050	AR1242ICC050	07/23/2025	05:42	PQ070562.D	8.50	3.40
AR1248ICC1000	AR1248ICC1000	07/23/2025	05:57	PQ070563.D	8.50	3.40
AR1248ICC750	AR1248ICC750	07/23/2025	06:12	PQ070564.D	8.50	3.40
AR1248ICC500	AR1248ICC500	07/23/2025	06:26	PQ070565.D	8.50	3.40
AR1248ICC250	AR1248ICC250	07/23/2025	06:41	PQ070566.D	8.50	3.40
AR1248ICC050	AR1248ICC050	07/23/2025	06:55	PQ070567.D	8.50	3.40
AR1254ICC1000	AR1254ICC1000	07/23/2025	07:10	PQ070568.D	8.50	3.40
AR1254ICC750	AR1254ICC750	07/23/2025	07:24	PQ070569.D	8.50	3.40
AR1254ICC500	AR1254ICC500	07/23/2025	07:39	PQ070570.D	8.50	3.40
AR1254ICC250	AR1254ICC250	07/23/2025	07:54	PQ070571.D	8.50	3.40
AR1254ICC050	AR1254ICC050	07/23/2025	08:52	PQ070572.D	8.50	3.40
AR1262ICC500	AR1262ICC500	07/23/2025	09:07	PQ070573.D	8.50	3.40
AR1268ICC500	AR1268ICC500	07/23/2025	09:21	PQ070574.D	8.50	3.40
AR1660CCC500	AR1660CCC500	07/23/2025	17:15	PQ070596.D	8.50	3.40
LBLK	LBLK	07/23/2025	18:43	PQ070600.D	8.50	3.40
MH 2-1	Q2651-01	07/23/2025	19:27	PQ070603.D	8.50	3.40
MH 6-5	Q2651-02	07/23/2025	19:41	PQ070604.D	8.50	3.40
MH 7-6	Q2651-03	07/23/2025	19:56	PQ070605.D	8.50	3.40
MH 8-7	Q2651-04	07/23/2025	20:11	PQ070606.D	8.50	3.40
MH 9-8	Q2651-05	07/23/2025	20:25	PQ070607.D	8.50	3.40
AR1660CCC500	AR1660CCC500	07/23/2025	22:07	PQ070611.D	8.50	3.40
LBLK	LBLK	07/23/2025	23:35	PQ070615.D	8.50	3.40

Analytical Sequence

Client: Earth Engineering Inc.

SDG No.: Q2651

Project: Leon Avenue

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/08/2025

07/08/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/08/2025	13:49	PO112087.D	8.65	3.67
AR1660ICC1000	AR1660ICC1000	07/08/2025	14:06	PO112088.D	8.65	3.67
AR1660ICC750	AR1660ICC750	07/08/2025	14:25	PO112089.D	8.65	3.67
AR1660ICC500	AR1660ICC500	07/08/2025	14:43	PO112090.D	8.67	3.68
AR1660ICC250	AR1660ICC250	07/08/2025	15:02	PO112091.D	8.65	3.67
AR1660ICC050	AR1660ICC050	07/08/2025	15:21	PO112092.D	8.65	3.67
AR1221ICC500	AR1221ICC500	07/08/2025	15:38	PO112093.D	8.65	3.67
AR1232ICC500	AR1232ICC500	07/08/2025	15:57	PO112094.D	8.65	3.67
AR1242ICC1000	AR1242ICC1000	07/08/2025	16:15	PO112095.D	8.65	3.67
AR1242ICC750	AR1242ICC750	07/08/2025	16:34	PO112096.D	8.65	3.67
AR1242ICC500	AR1242ICC500	07/08/2025	16:52	PO112097.D	8.65	3.67
AR1242ICC250	AR1242ICC250	07/08/2025	17:11	PO112098.D	8.65	3.67
AR1242ICC050	AR1242ICC050	07/08/2025	17:29	PO112099.D	8.65	3.67
AR1248ICC1000	AR1248ICC1000	07/08/2025	17:48	PO112100.D	8.65	3.67
AR1248ICC750	AR1248ICC750	07/08/2025	18:05	PO112101.D	8.65	3.67
AR1248ICC500	AR1248ICC500	07/08/2025	18:24	PO112102.D	8.65	3.67
AR1248ICC250	AR1248ICC250	07/08/2025	18:41	PO112103.D	8.65	3.67
AR1248ICC050	AR1248ICC050	07/08/2025	18:59	PO112104.D	8.65	3.67
AR1254ICC1000	AR1254ICC1000	07/08/2025	19:18	PO112105.D	8.65	3.67
AR1254ICC750	AR1254ICC750	07/08/2025	19:35	PO112106.D	8.65	3.67
AR1254ICC500	AR1254ICC500	07/08/2025	19:54	PO112107.D	8.65	3.67
AR1254ICC250	AR1254ICC250	07/08/2025	20:11	PO112108.D	8.65	3.67
AR1254ICC050	AR1254ICC050	07/08/2025	20:28	PO112109.D	8.65	3.67
AR1262ICC500	AR1262ICC500	07/08/2025	20:47	PO112110.D	8.65	3.67
AR1268ICC1000	AR1268ICC1000	07/08/2025	21:04	PO112111.D	8.65	3.67
AR1268ICC750	AR1268ICC750	07/08/2025	21:22	PO112112.D	8.65	3.67
AR1268ICC500	AR1268ICC500	07/08/2025	21:39	PO112113.D	8.65	3.67
AR1268ICC250	AR1268ICC250	07/08/2025	21:57	PO112114.D	8.65	3.67
AR1268ICC050	AR1268ICC050	07/08/2025	22:16	PO112115.D	8.65	3.67
AR1660CCC500	AR1660CCC500	07/22/2025	08:57	PO112366.D	8.64	3.66
IBLK	IBLK	07/22/2025	10:08	PO112370.D	8.64	3.66
PB168946BL	PB168946BL	07/22/2025	13:35	PO112375.D	8.64	3.66
PB168946BS	PB168946BS	07/22/2025	13:53	PO112376.D	8.64	3.66
WC-IMS	Q2649-01MS	07/22/2025	14:48	PO112379.D	8.64	3.66
WC-IMSD	Q2649-01MSD	07/22/2025	15:07	PO112380.D	8.64	3.66
AR1660CCC500	AR1660CCC500	07/22/2025	16:21	PO112381.D	8.64	3.66
IBLK	IBLK	07/22/2025	17:32	PO112385.D	8.64	3.66
IBLK	IBLK	07/23/2025	02:29	PQ070550.D	7.54	2.78
AR1660ICC1000	AR1660ICC1000	07/23/2025	02:59	PQ070551.D	7.54	2.78
AR1660ICC750	AR1660ICC750	07/23/2025	03:13	PQ070552.D	7.54	2.78
AR1660ICC500	AR1660ICC500	07/23/2025	03:28	PQ070553.D	7.54	2.78
AR1660ICC250	AR1660ICC250	07/23/2025	03:42	PQ070554.D	7.54	2.78

Analytical Sequence

AR1660ICC050	AR1660ICC050	07/23/2025	03:57	PQ070555.D	7.54	2.78
AR1221ICC500	AR1221ICC500	07/23/2025	04:15	PQ070556.D	7.54	2.78
AR1232ICC500	AR1232ICC500	07/23/2025	04:29	PQ070557.D	7.54	2.78
AR1242ICC1000	AR1242ICC1000	07/23/2025	04:44	PQ070558.D	7.54	2.78
AR1242ICC750	AR1242ICC750	07/23/2025	04:58	PQ070559.D	7.54	2.78
AR1242ICC500	AR1242ICC500	07/23/2025	05:13	PQ070560.D	7.54	2.78
AR1242ICC250	AR1242ICC250	07/23/2025	05:28	PQ070561.D	7.54	2.78
AR1242ICC050	AR1242ICC050	07/23/2025	05:42	PQ070562.D	7.54	2.78
AR1248ICC1000	AR1248ICC1000	07/23/2025	05:57	PQ070563.D	7.54	2.78
AR1248ICC750	AR1248ICC750	07/23/2025	06:12	PQ070564.D	7.54	2.78
AR1248ICC500	AR1248ICC500	07/23/2025	06:26	PQ070565.D	7.54	2.78
AR1248ICC250	AR1248ICC250	07/23/2025	06:41	PQ070566.D	7.54	2.78
AR1248ICC050	AR1248ICC050	07/23/2025	06:55	PQ070567.D	7.54	2.78
AR1254ICC1000	AR1254ICC1000	07/23/2025	07:10	PQ070568.D	7.54	2.78
AR1254ICC750	AR1254ICC750	07/23/2025	07:24	PQ070569.D	7.54	2.78
AR1254ICC500	AR1254ICC500	07/23/2025	07:39	PQ070570.D	7.54	2.78
AR1254ICC250	AR1254ICC250	07/23/2025	07:54	PQ070571.D	7.54	2.78
AR1254ICC050	AR1254ICC050	07/23/2025	08:52	PQ070572.D	7.54	2.78
AR1262ICC500	AR1262ICC500	07/23/2025	09:07	PQ070573.D	7.54	2.78
AR1268ICC500	AR1268ICC500	07/23/2025	09:21	PQ070574.D	7.54	2.78
AR1660CCC500	AR1660CCC500	07/23/2025	17:15	PQ070596.D	7.54	2.78
LBLK	LBLK	07/23/2025	18:43	PQ070600.D	7.54	2.78
MH 2-1	Q2651-01	07/23/2025	19:27	PQ070603.D	7.54	2.78
MH 6-5	Q2651-02	07/23/2025	19:41	PQ070604.D	7.54	2.78
MH 7-6	Q2651-03	07/23/2025	19:56	PQ070605.D	7.54	2.78
MH 8-7	Q2651-04	07/23/2025	20:11	PQ070606.D	7.54	2.78
MH 9-8	Q2651-05	07/23/2025	20:25	PQ070607.D	7.54	2.78
AR1660CCC500	AR1660CCC500	07/23/2025	22:07	PQ070611.D	7.54	2.78
LBLK	LBLK	07/23/2025	23:35	PQ070615.D	7.54	2.78

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168946BS

Lab Name: Alliance
Lab Code: ACE
Lab Sample ID: PB168946BS
Instrument ID (1): ECD_O

Contract: EARTH03
SDG NO.: Q2651
Date(s) Analyzed: 07/22/2025 07/22/2025
Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)
Data file PO112376.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.755	4.705	4.805	165	163	10.32
COLUMN 1	2	4.774	4.724	4.824	169		
	3	4.831	4.781	4.881	161		
	4	4.951	4.901	5.001	166		
	5	5.208	5.158	5.258	156		
COLUMN 2	1	4.736	4.686	4.786	146	147	
	2	4.755	4.705	4.805	146		
	3	4.93	4.88	4.98	150		
	4	4.972	4.922	5.022	148		
	5	5.184	5.134	5.234	146		
Aroclor-1260	1	6.244	6.194	6.294	165	153	5.37
COLUMN 1	2	6.434	6.384	6.484	164		
	3	6.8	6.75	6.85	140		
	4	7.059	7.009	7.109	152		
	5	7.302	7.252	7.352	146		
COLUMN 2	1	6.213	6.163	6.263	154	145	
	2	6.401	6.351	6.451	158		
	3	6.552	6.502	6.602	156		
	4	7.022	6.972	7.072	128		
	5	7.265	7.215	7.315	126		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC-1MS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2649-01MS

Date(s) Analyzed: 07/22/2025 07/22/2025

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO112379.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.756	4.706	4.806	202	197	6.82
COLUMN 1	2	4.774	4.724	4.824	201		
	3	4.831	4.781	4.881	194		
	4	4.951	4.901	5.001	201		
	5	5.207	5.157	5.257	187		
	1	4.737	4.687	4.787	178		
COLUMN 2	2	4.755	4.705	4.805	186	184	
	3	4.93	4.88	4.98	188		
	4	4.973	4.923	5.023	188		
	5	5.185	5.135	5.235	179		
Aroclor-1260	1	6.245	6.195	6.295	226	168	2.41
COLUMN 1	2	6.434	6.384	6.484	173		
	3	6.801	6.751	6.851	140		
	4	7.06	7.01	7.11	157		
	5	7.303	7.253	7.353	142		
	1	6.214	6.164	6.264	194	164	
COLUMN 2	2	6.402	6.352	6.452	173		
	3	6.553	6.503	6.603	174		
	4	7.023	6.973	7.073	141		
	5	7.265	7.215	7.315	138		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC-1MSD

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2649-01MSD

Date(s) Analyzed: 07/22/2025 07/22/2025

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO112380.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.756	4.706	4.806	168	161	5.75
COLUMN 1	2	4.774	4.724	4.824	164		
	3	4.832	4.782	4.882	158		
	4	4.951	4.901	5.001	164		
	5	5.207	5.157	5.257	155		
	1	4.737	4.687	4.787	157		
COLUMN 2	2	4.756	4.706	4.806	145	152	
	3	4.931	4.881	4.981	154		
	4	4.973	4.923	5.023	153		
	5	5.185	5.135	5.235	153		
Aroclor-1260	1	6.245	6.195	6.295	209	155	3.95
COLUMN 1	2	6.434	6.384	6.484	152		
	3	6.8	6.75	6.85	127		
	4	7.06	7.01	7.11	149		
	5	7.303	7.253	7.353	137		
	1	6.214	6.164	6.264	178	149	
COLUMN 2	2	6.402	6.352	6.452	155		
	3	6.553	6.503	6.603	157		
	4	7.023	6.973	7.073	126		
	5	7.265	7.215	7.315	130		



QC SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168946BL	SDG No.:	Q2651
Lab Sample ID:	PB168946BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02	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
PO112375.D	1	07/22/25 09:40	07/22/25 13:35	PB168946

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	20.9		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		32 - 175	98%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072225\
Data File : PO112375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:35
Operator : YP/AJ
Sample : PB168946BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB168946BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.669	3.660	206.6E6	116.0E6	20.882	18.200
2) SA Decachlor...	8.697	8.642	134.2E6	32632374	19.621	18.934

Target Compounds

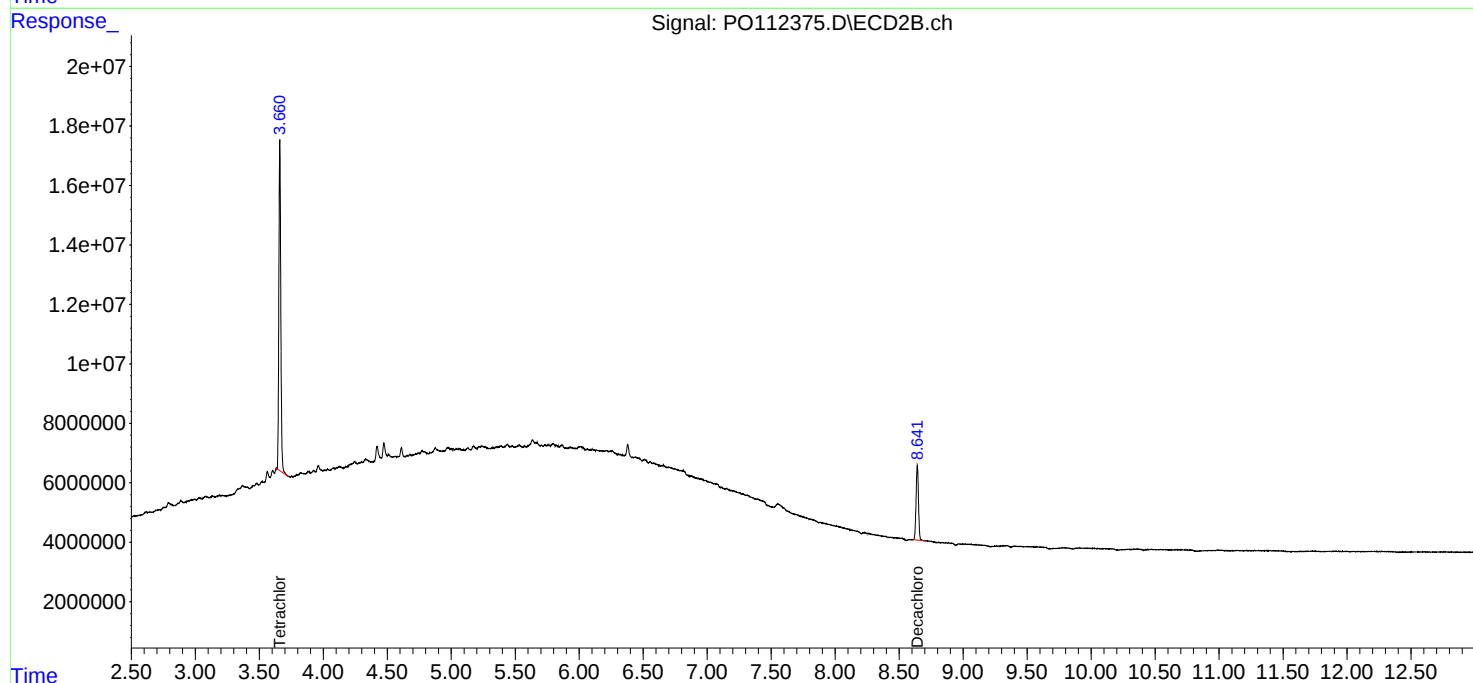
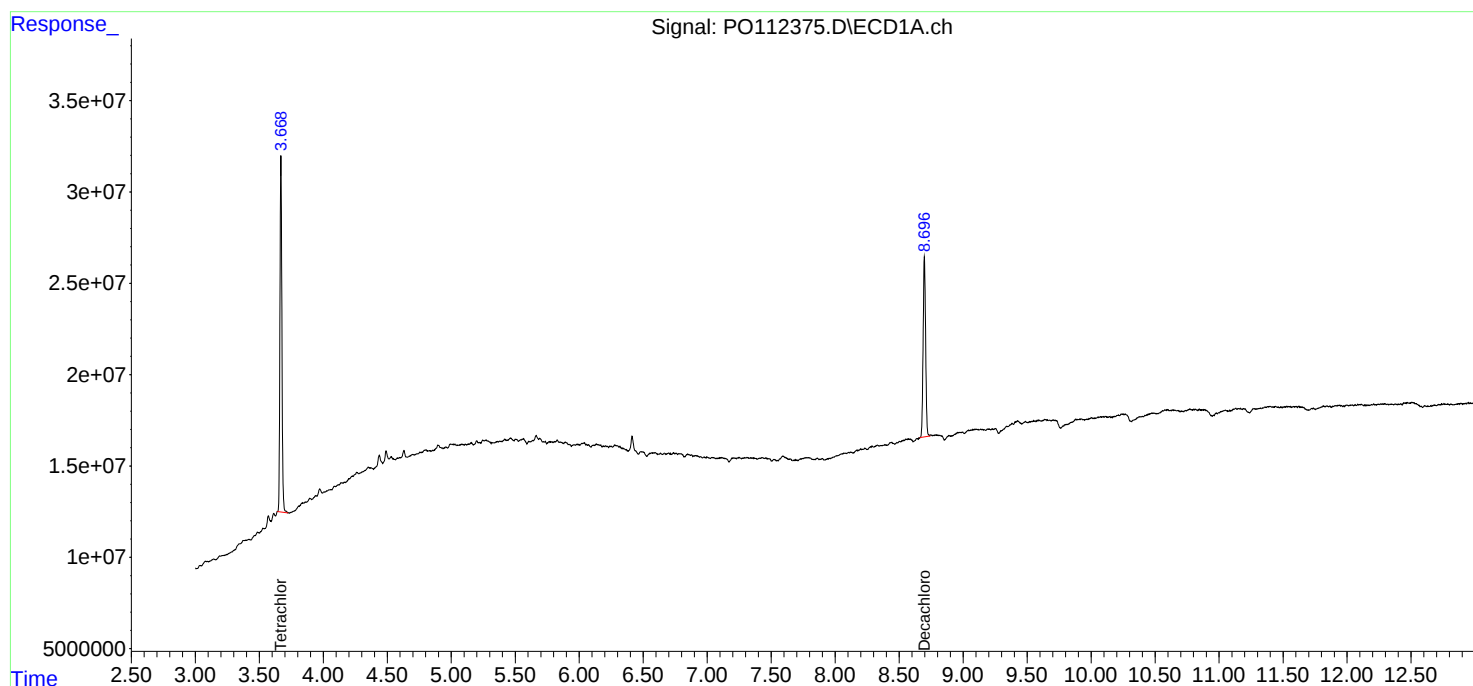
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

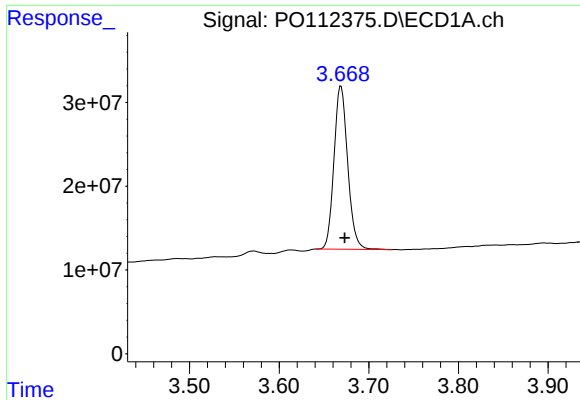
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:35
Operator : YP/AJ
Sample : PB168946BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB168946BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

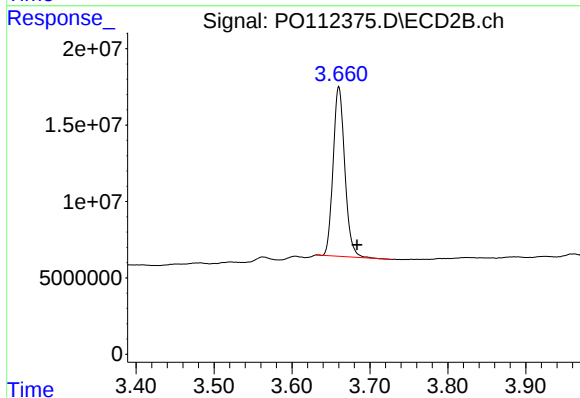




#1 Tetrachloro-m-xylene

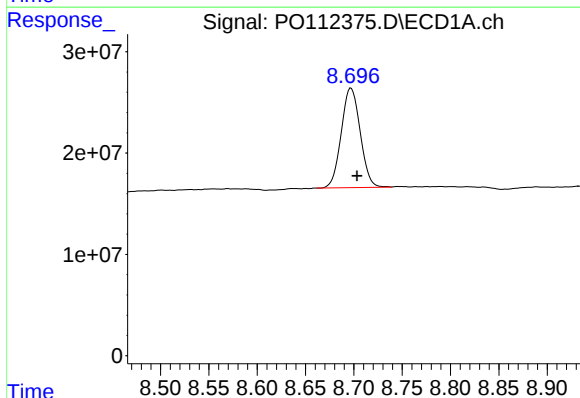
R.T.: 3.669 min
Delta R.T.: -0.004 min
Response: 206621350
Conc: 20.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB168946BL



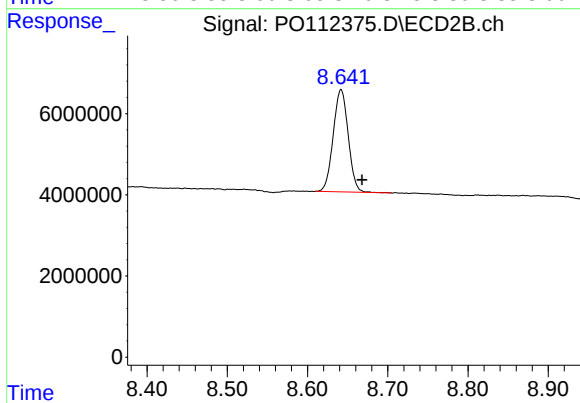
#1 Tetrachloro-m-xylene

R.T.: 3.660 min
Delta R.T.: -0.024 min
Response: 115956050
Conc: 18.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.697 min
Delta R.T.: -0.006 min
Response: 134151576
Conc: 19.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.642 min
Delta R.T.: -0.026 min
Response: 32632374
Conc: 18.93 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/08/25	
Project:	Leon Avenue		Date Received:	07/08/25	
Client Sample ID:	PIBLK-PO112087.D		SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PO112087.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
PO112087.D	1		07/08/25	po070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		60 - 140	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		60 - 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_O\Data\P0070825\
Data File : PO112087.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 13:49
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 04:04:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 04:02:23 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...	3.672	3.667	192.2E6	127.1E6	19.421	19.956
2) SA Decachlor...	8.701	8.649	128.3E6	33314140	18.760	19.330

Target Compounds

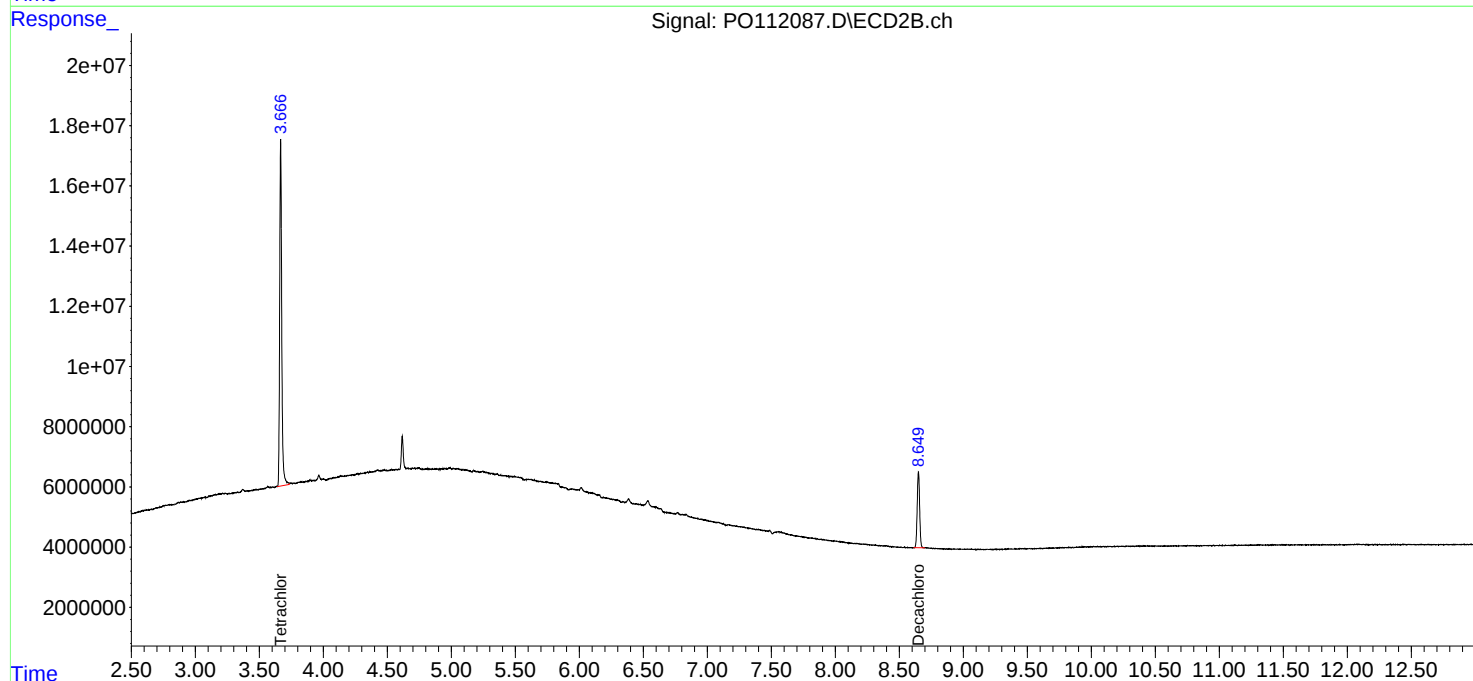
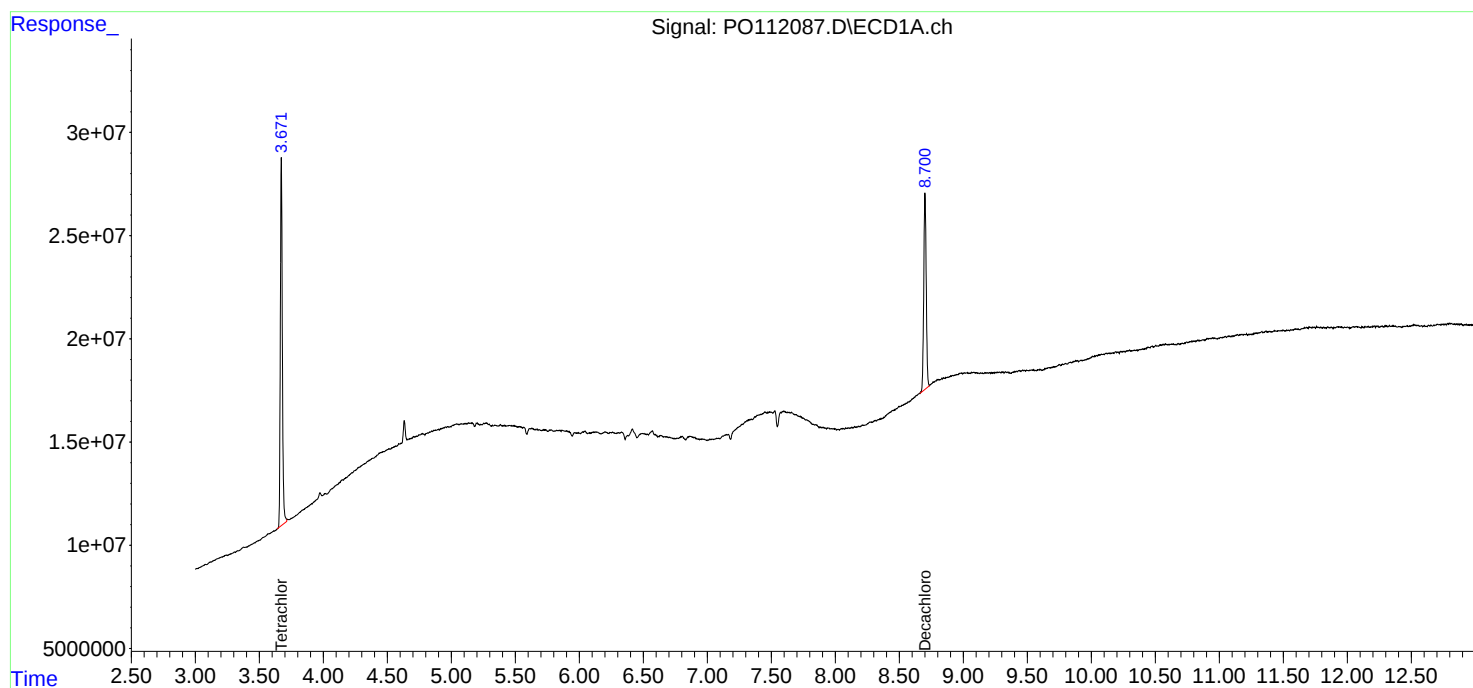
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

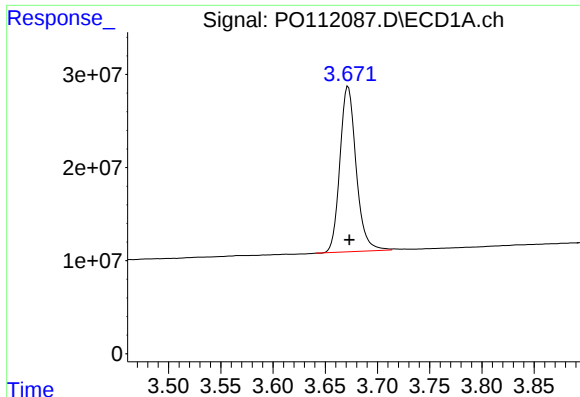
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO070825\
Data File : PO112087.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 13:49
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 04:04:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 09 04:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

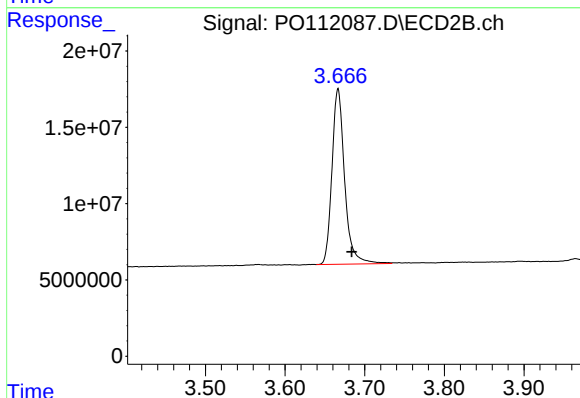




#1 Tetrachloro-m-xylene

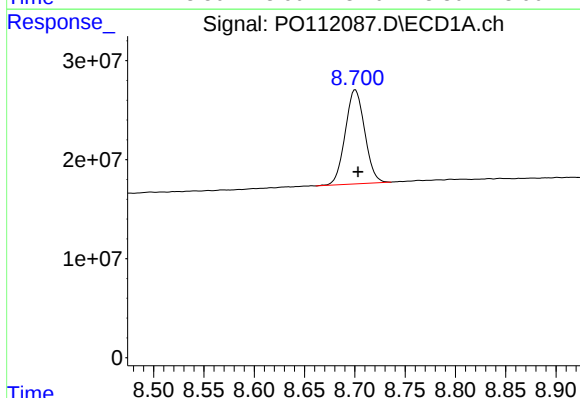
R.T.: 3.672 min
Delta R.T.: -0.001 min
Response: 192161483
Conc: 19.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



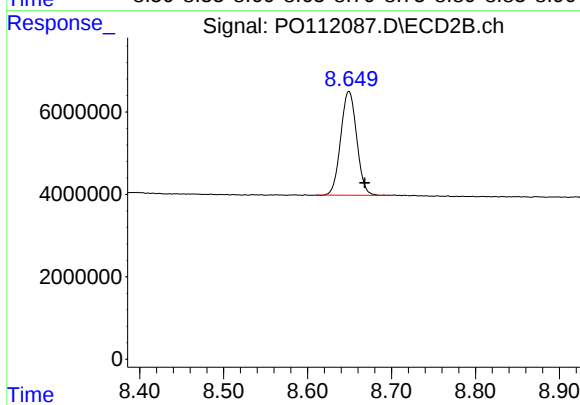
#1 Tetrachloro-m-xylene

R.T.: 3.667 min
Delta R.T.: -0.017 min
Response: 127143413
Conc: 19.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.701 min
Delta R.T.: -0.003 min
Response: 128266236
Conc: 18.76 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.649 min
Delta R.T.: -0.019 min
Response: 33314140
Conc: 19.33 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/22/25
Project:	Leon Avenue	Date Received:	07/22/25
Client Sample ID:	PIBLK-PO112370.D	SDG No.:	Q2651
Lab Sample ID:	I.BLK-PO112370.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
PO112370.D	1		07/22/25	po072225

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		60 - 140	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 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\P0072225\
Data File : PO112370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 10:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 10:37:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.670	3.662	198.4E6	116.3E6	20.046	18.256
2) SA Decachlor...	8.698	8.642	121.1E6	29977061	17.713	17.394

Target Compounds

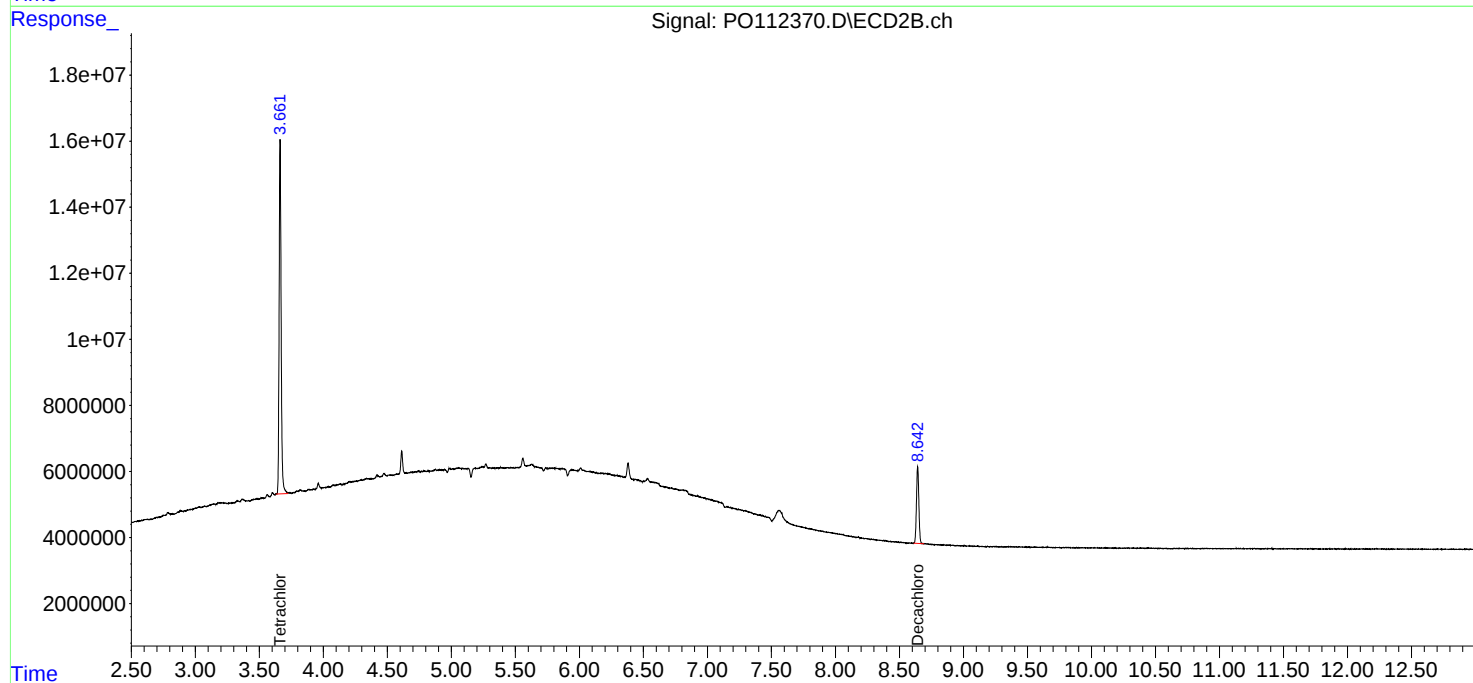
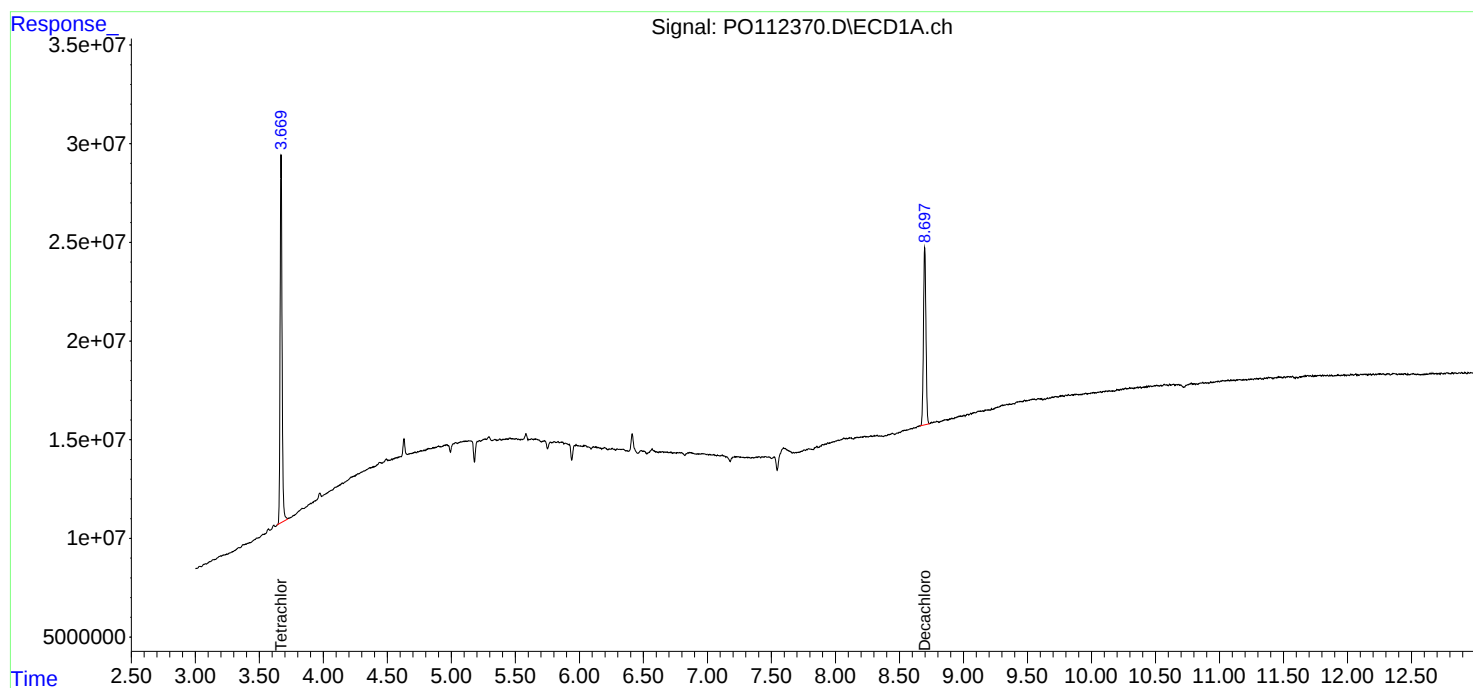
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 10:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 10:37:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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



Response_

Signal: PO112370.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.670 min

Delta R.T.: -0.003 min

Response: 198352825

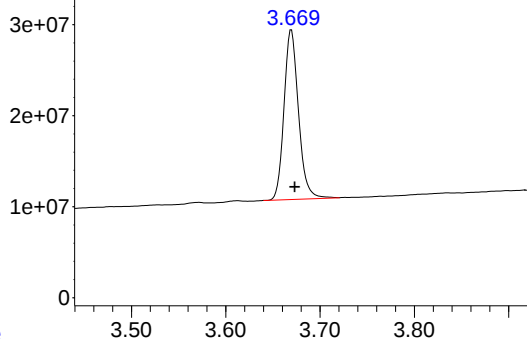
Conc: 20.05 ng/ml

Instrument :

ECD_O

ClientSampleId :

I.BLK



Time

Response_

Signal: PO112370.D\ECD2B.ch

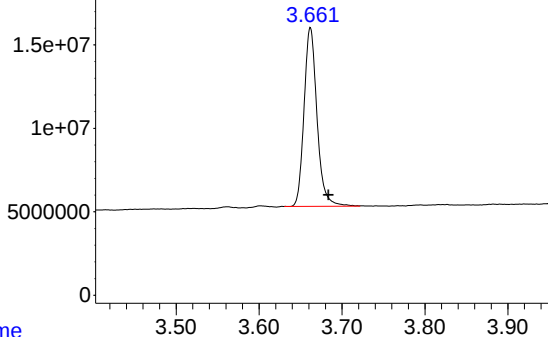
#1 Tetrachloro-m-xylene

R.T.: 3.662 min

Delta R.T.: -0.022 min

Response: 116310058

Conc: 18.26 ng/ml



Time

Response_

Signal: PO112370.D\ECD1A.ch

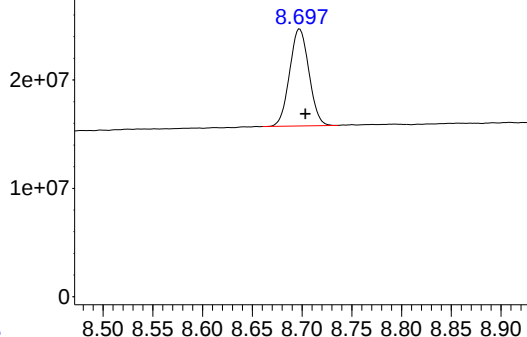
#2 Decachlorobiphenyl

R.T.: 8.698 min

Delta R.T.: -0.006 min

Response: 121107515

Conc: 17.71 ng/ml



Time

Response_

Signal: PO112370.D\ECD2B.ch

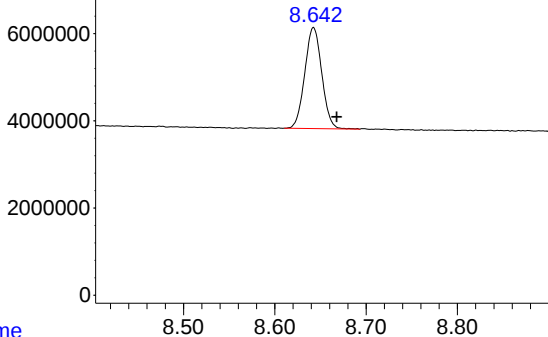
#2 Decachlorobiphenyl

R.T.: 8.642 min

Delta R.T.: -0.026 min

Response: 29977061

Conc: 17.39 ng/ml



Time

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/22/25	
Project:	Leon Avenue		Date Received:	07/22/25	
Client Sample ID:	PIBLK-PO112385.D		SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PO112385.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
PO112385.D	1		07/22/25	po072225

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	18.1		60 - 140	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 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\P0072225\
Data File : PO112385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 17:32
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.670	3.662	195.5E6	115.0E6	19.763	18.050
2)	SA Decachlor...	8.695	8.641	120.4E6	30026588	17.607	17.422

Target Compounds

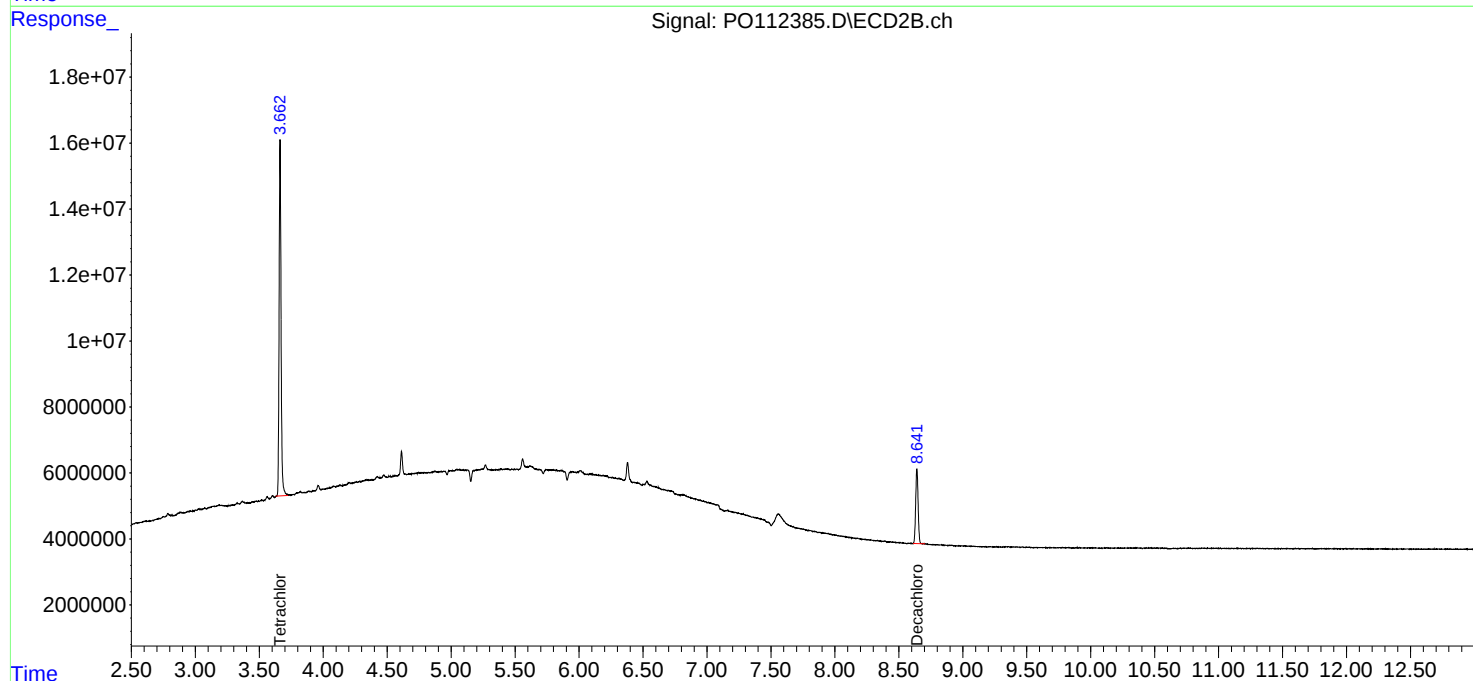
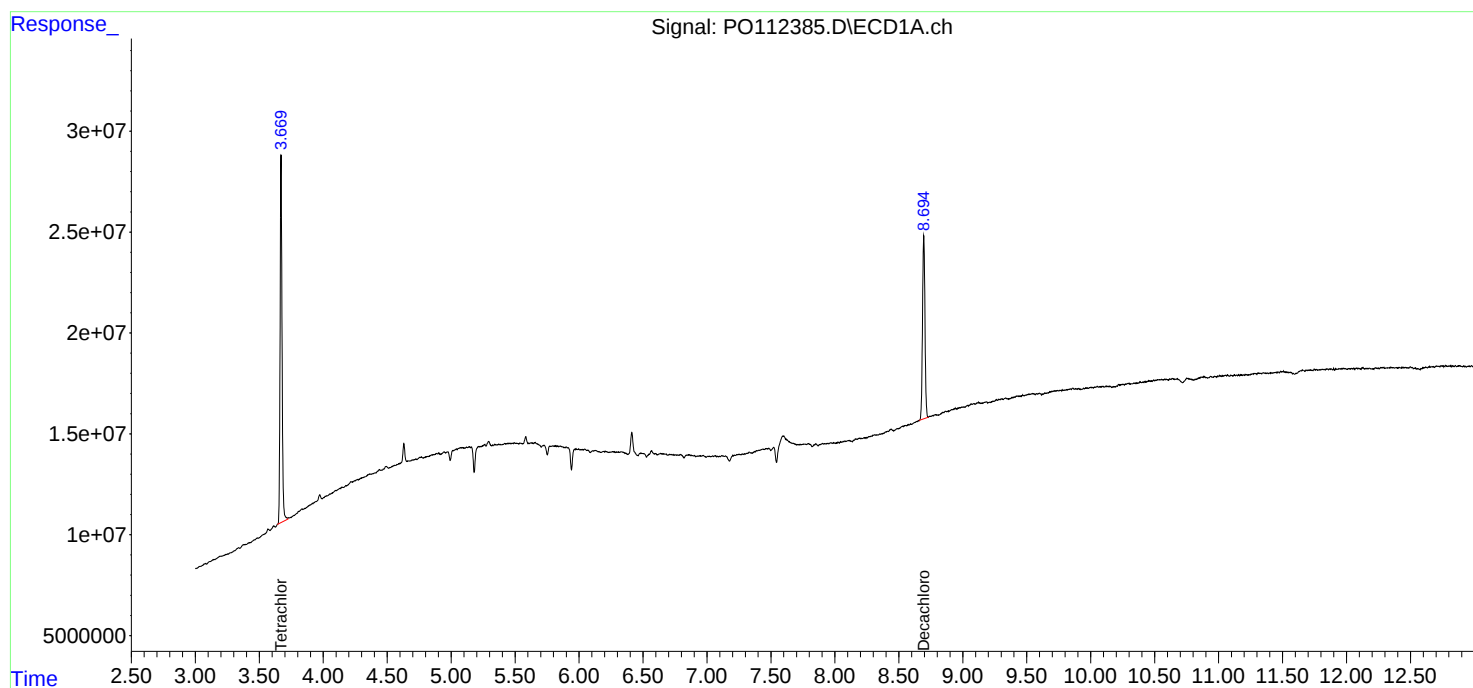
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

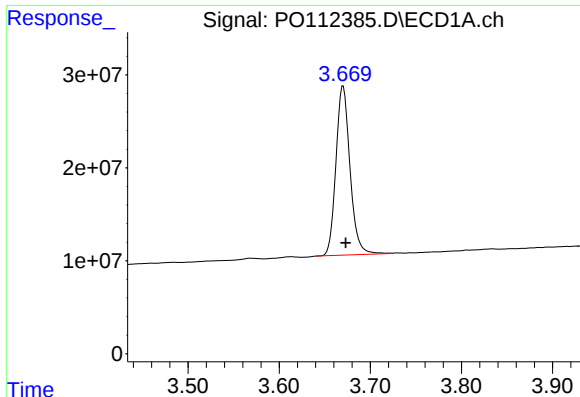
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 17:32
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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

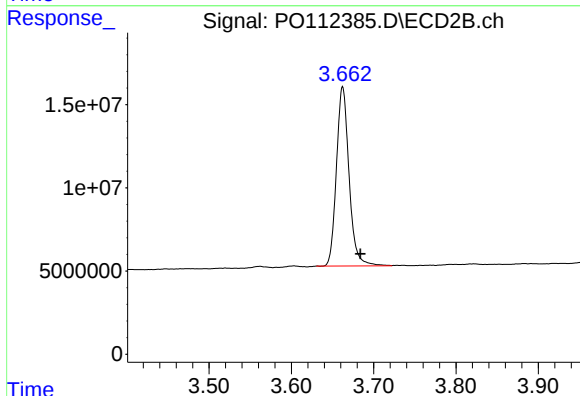




#1 Tetrachloro-m-xylene

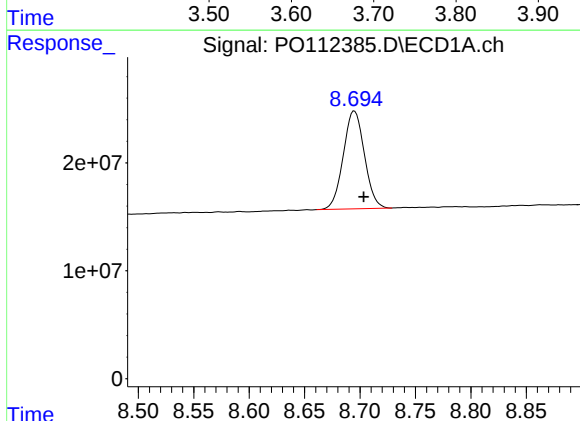
R.T.: 3.670 min
Delta R.T.: -0.003 min
Response: 195544841
Conc: 19.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



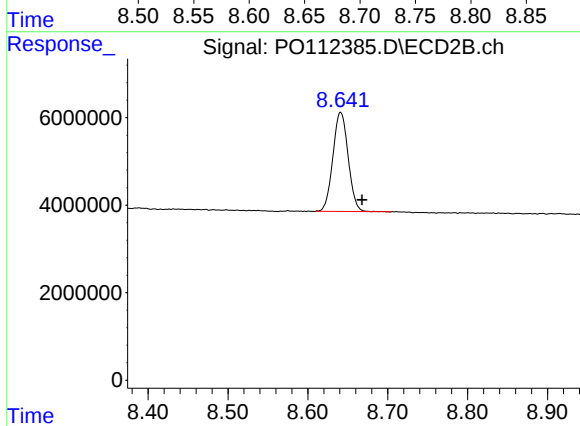
#1 Tetrachloro-m-xylene

R.T.: 3.662 min
Delta R.T.: -0.021 min
Response: 115000490
Conc: 18.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: -0.008 min
Response: 120379192
Conc: 17.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: -0.027 min
Response: 30026588
Conc: 17.42 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/23/25	
Project:	Leon Avenue		Date Received:	07/23/25	
Client Sample ID:	PIBLK-PQ070550.D		SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PQ070550.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
PQ070550.D	1		07/23/25	PQ072225

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	14.9		60 - 140	75%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		60 - 140	85%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070550.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 02:29
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:49:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.403	2.780	130.9E6	155.8E6	14.904	15.608
2)	SA Decachlor...	8.500	7.540	83188502	152.9E6	16.965	17.500

Target Compounds

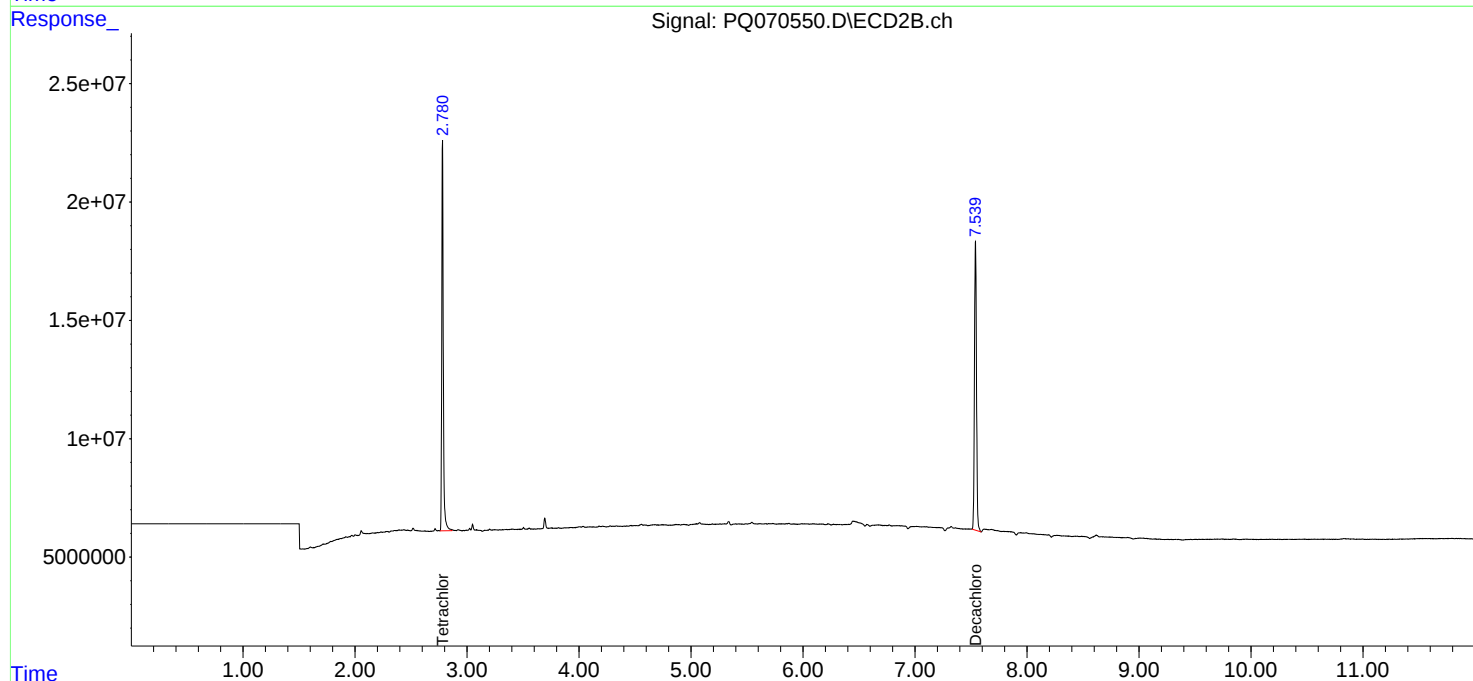
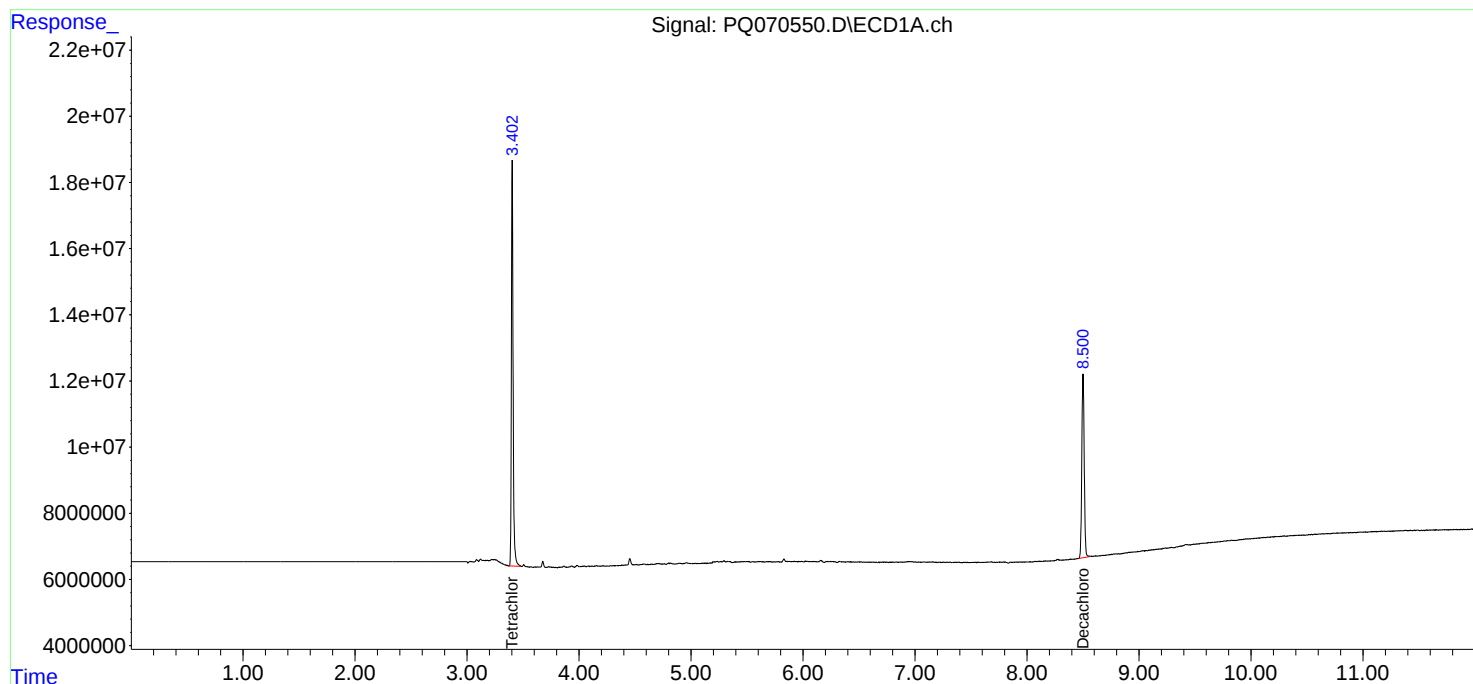
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

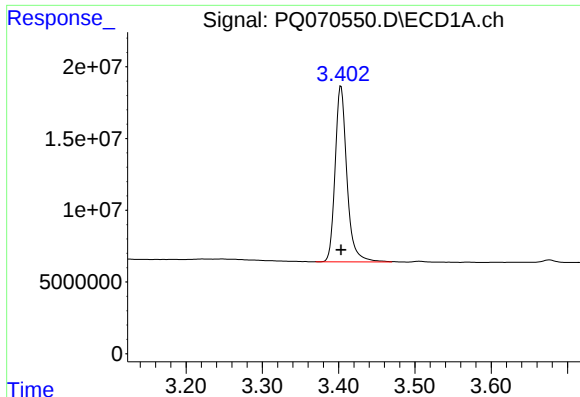
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072225\
Data File : PQ070550.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 02:29
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 09:49:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

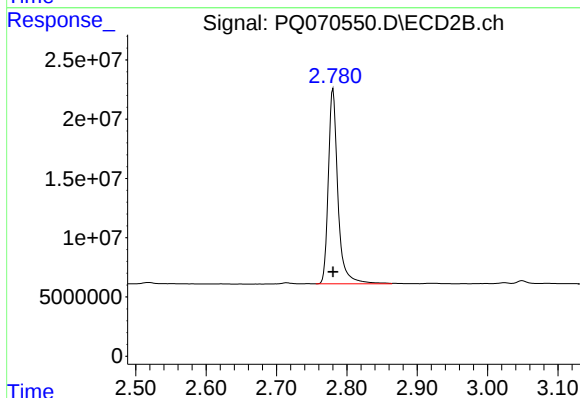




#1 Tetrachloro-m-xylene

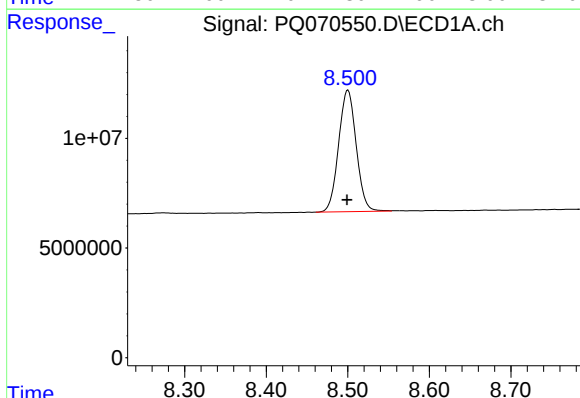
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 130918286
Conc: 14.90 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



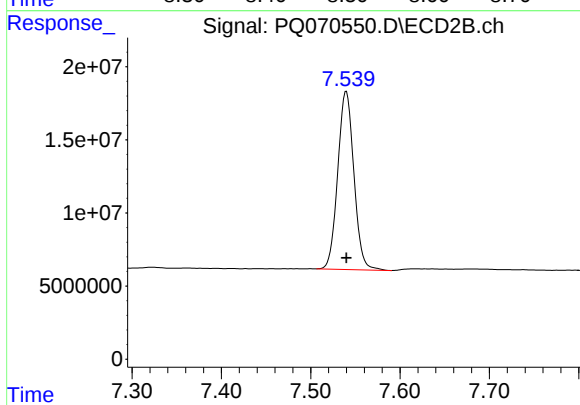
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 155753601
Conc: 15.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 83188502
Conc: 16.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 152884240
Conc: 17.50 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/23/25	
Project:	Leon Avenue		Date Received:	07/23/25	
Client Sample ID:	PIBLK-PQ070600.D		SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PQ070600.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
PQ070600.D	1		07/23/25	pq072325

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	19.8		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		60 - 140	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_Q\Data\PQ072325\
Data File : PQ070600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	180.0E6	197.9E6	20.488	19.832
2) SA Decachlor...	8.501	7.538	120.6E6	196.7E6	24.593	22.517

Target Compounds

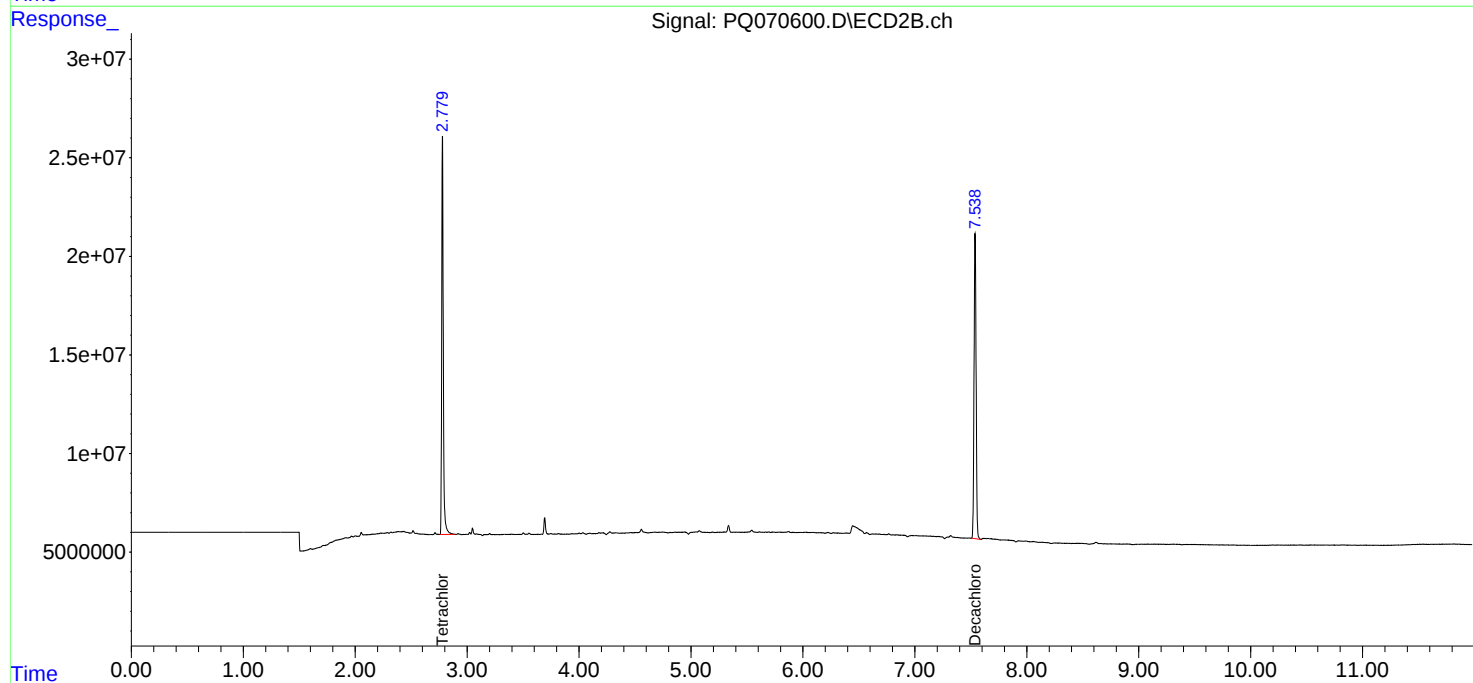
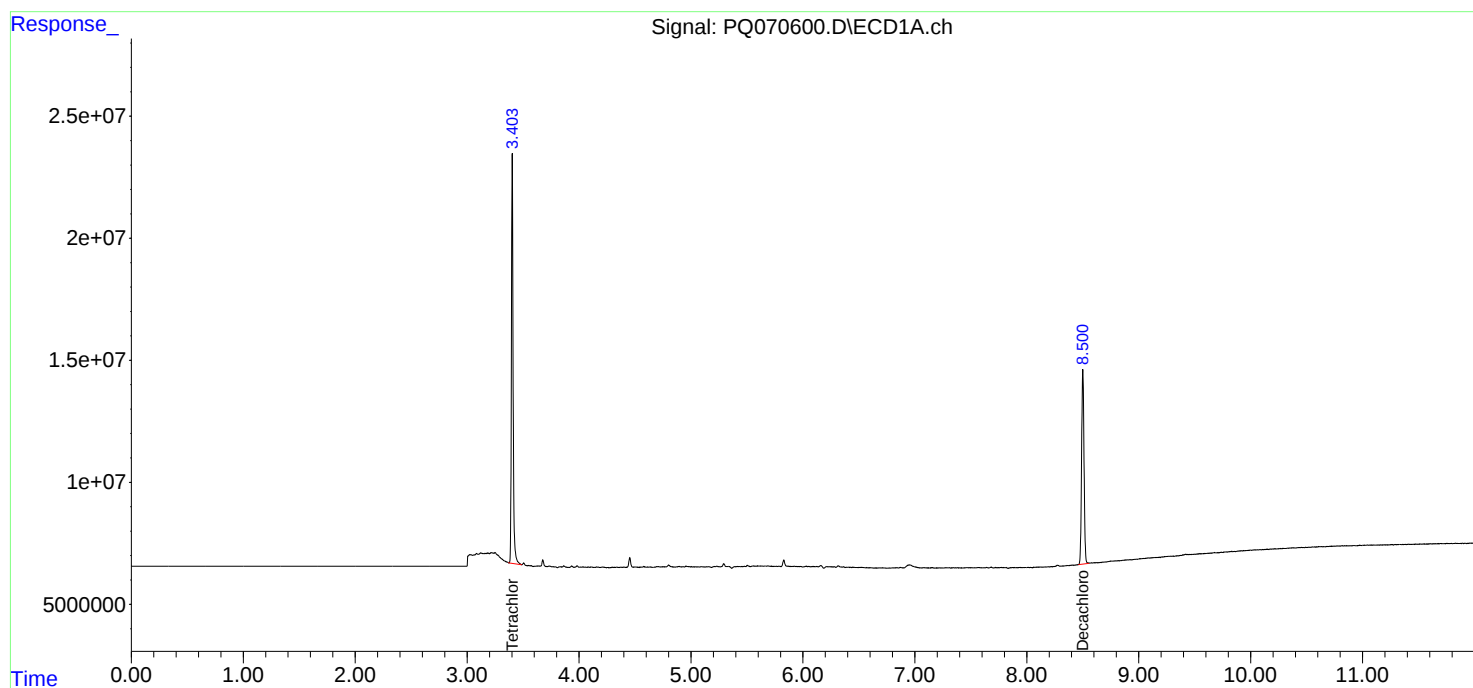
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

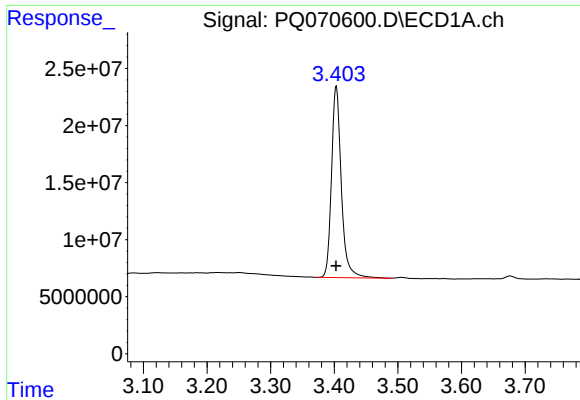
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

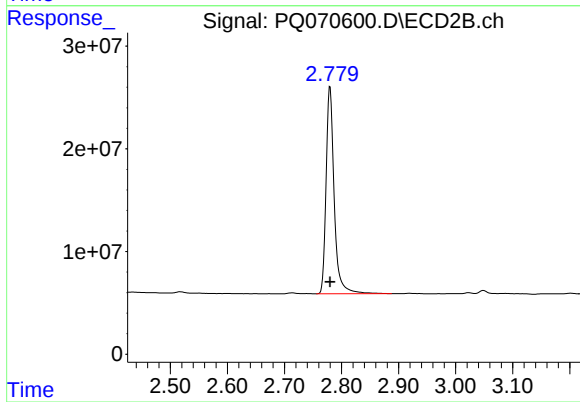




#1 Tetrachloro-m-xylene

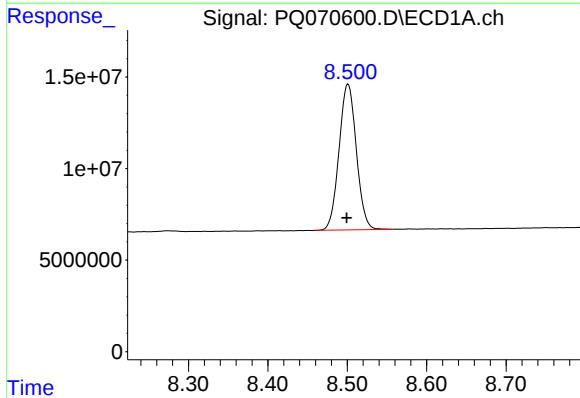
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 179976725
Conc: 20.49 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



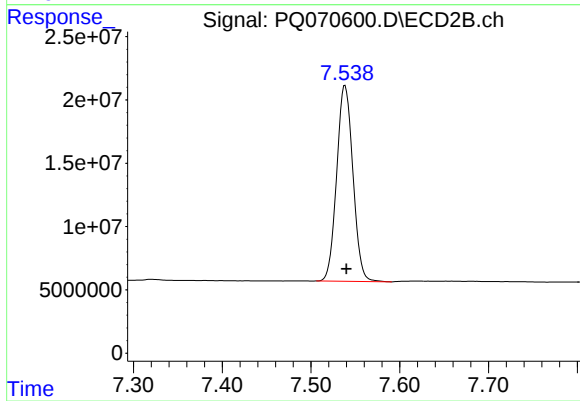
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 197896496
Conc: 19.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.002 min
Response: 120597285
Conc: 24.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.538 min
Delta R.T.: -0.002 min
Response: 196712943
Conc: 22.52 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/23/25	
Project:	Leon Avenue		Date Received:	07/23/25	
Client Sample ID:	PIBLK-PQ070615.D		SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PQ070615.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
PQ070615.D	1		07/23/25	pq072325

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		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 140	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
 Data File : PQ070615.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jul 2025 23:35
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 07:09:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Jul 23 09:47:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.403	2.780	175.7E6	184.9E6	19.997	18.528
2) SA Decachlor...	8.501	7.539	100.8E6	155.3E6	20.560	17.777

Target Compounds

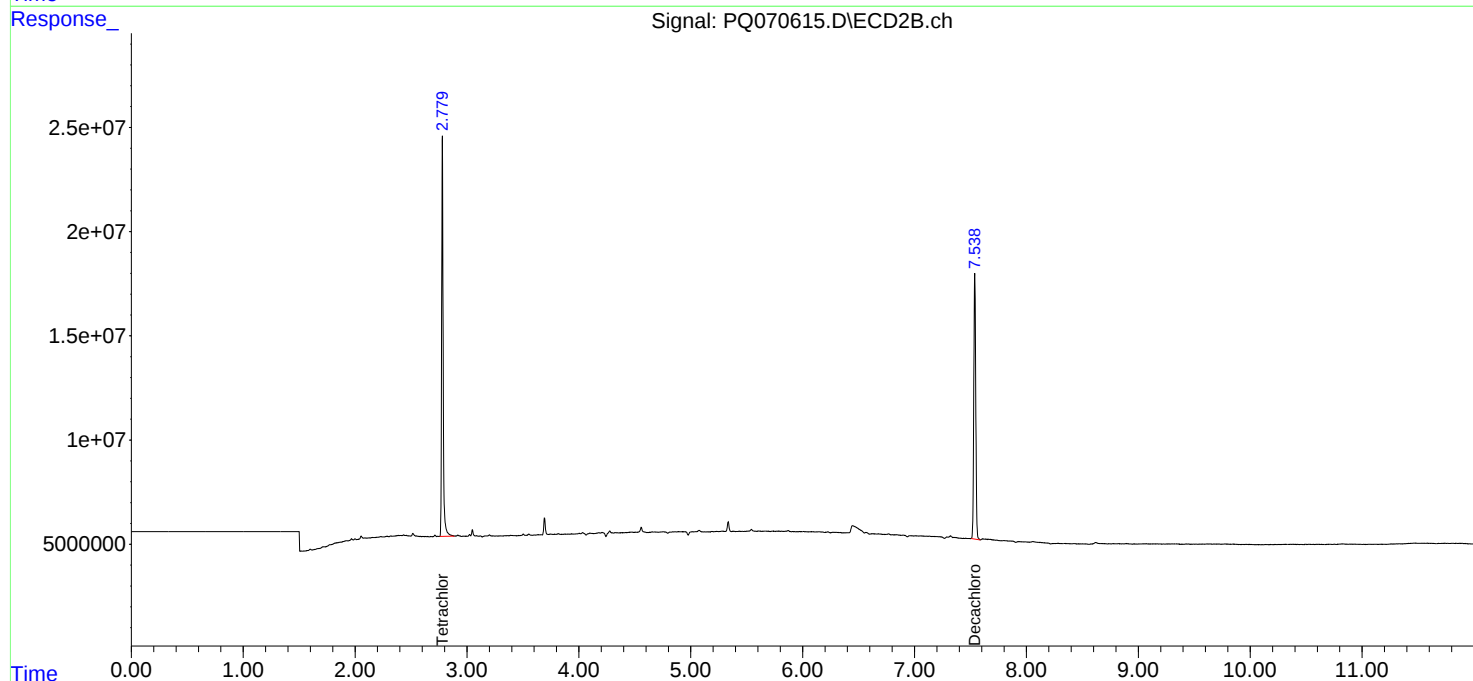
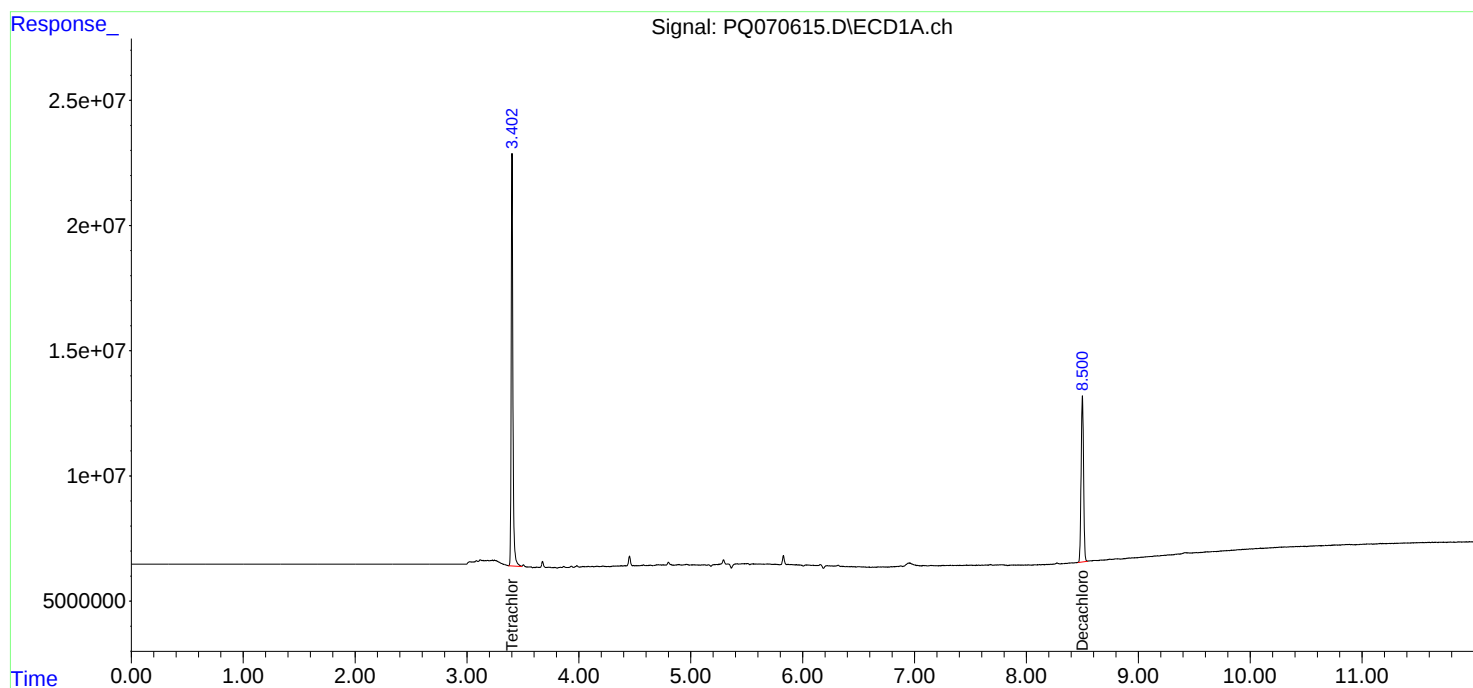
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

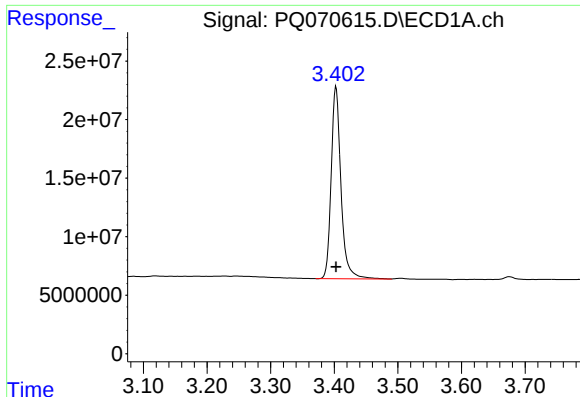
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ072325\
Data File : PQ070615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 23:35
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 07:09:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ072225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jul 23 09:47:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

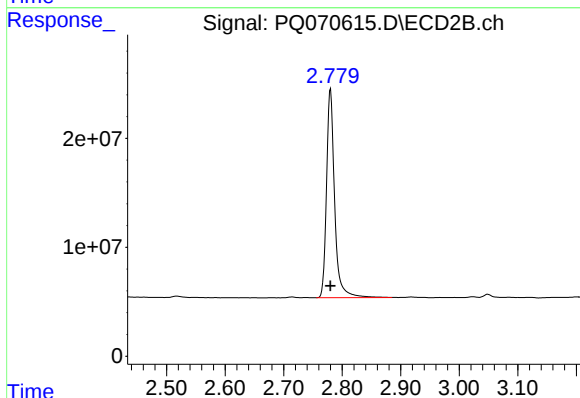




#1 Tetrachloro-m-xylene

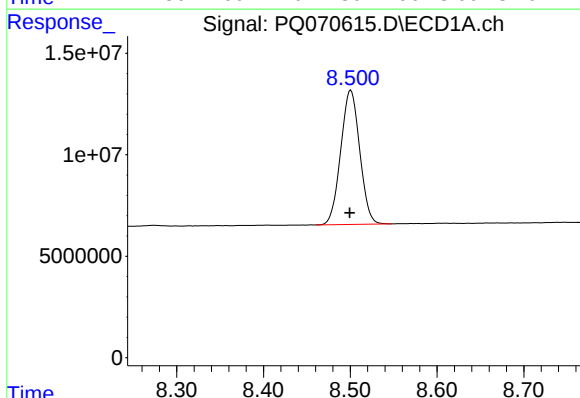
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 175661525
Conc: 20.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



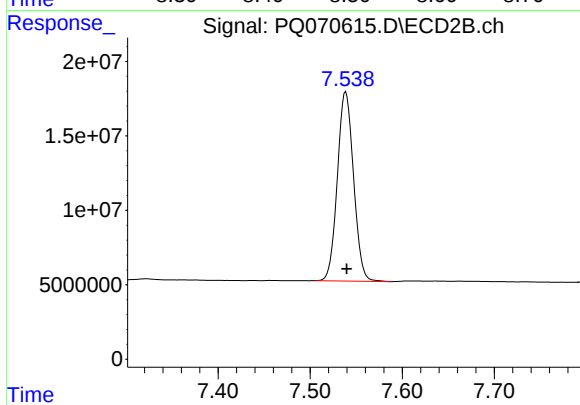
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: 0.000 min
Response: 184892254
Conc: 18.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.501 min
Delta R.T.: 0.001 min
Response: 100816509
Conc: 20.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.539 min
Delta R.T.: -0.001 min
Response: 155303662
Conc: 17.78 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168946BS	SDG No.:	Q2651
Lab Sample ID:	PB168946BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.03	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
PO112376.D	1	07/22/25 09:40	07/22/25 13:53	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	163		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	153		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		32 - 175	102%	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_0\Data\P0072225\
 Data File : PO112376.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jul 2025 13:53
 Operator : YP/AJ
 Sample : PB168946BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 PB168946BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2025
 Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 01:49:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 22 09:14:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.669	3.661	198.9E6	115.0E6	20.097	18.055m
2) SA Decachlor...	8.694	8.641	138.8E6	33602766	20.304	19.497
Target Compounds						
3) L1 AR-1016-1	4.755	4.736	168.2E6	97526682	494.436	437.664m
4) L1 AR-1016-2	4.774	4.755	252.9E6	144.6E6	508.490	439.470m
5) L1 AR-1016-3	4.831	4.930	156.3E6	76651180	482.700	451.243m
6) L1 AR-1016-4	4.951	4.972	128.1E6	61012265	498.882	444.607m
7) L1 AR-1016-5	5.208	5.184	128.4E6	75606725	469.263	438.426m
31) L7 AR-1260-1	6.244	6.213	247.7E6	130.2E6	494.273	463.920
32) L7 AR-1260-2	6.434	6.401	364.1E6	161.4E6	493.291	474.612
33) L7 AR-1260-3	6.800	6.552	275.2E6	129.1E6	419.906	468.322m
34) L7 AR-1260-4	7.059	7.022	198.2E6	77422727	455.343	385.869m
35) L7 AR-1260-5	7.302	7.265	553.8E6	169.1E6	438.616	377.734

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:53
Operator : YP/AJ
Sample : PB168946BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

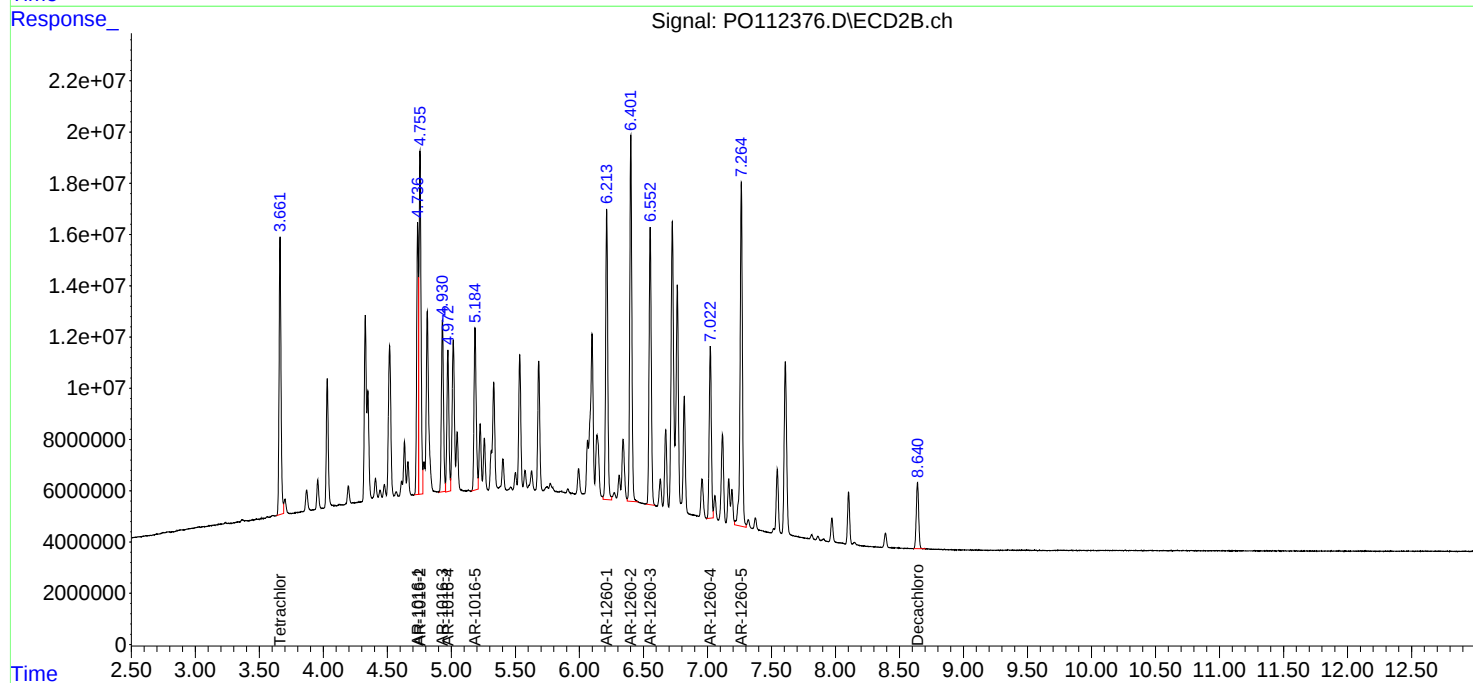
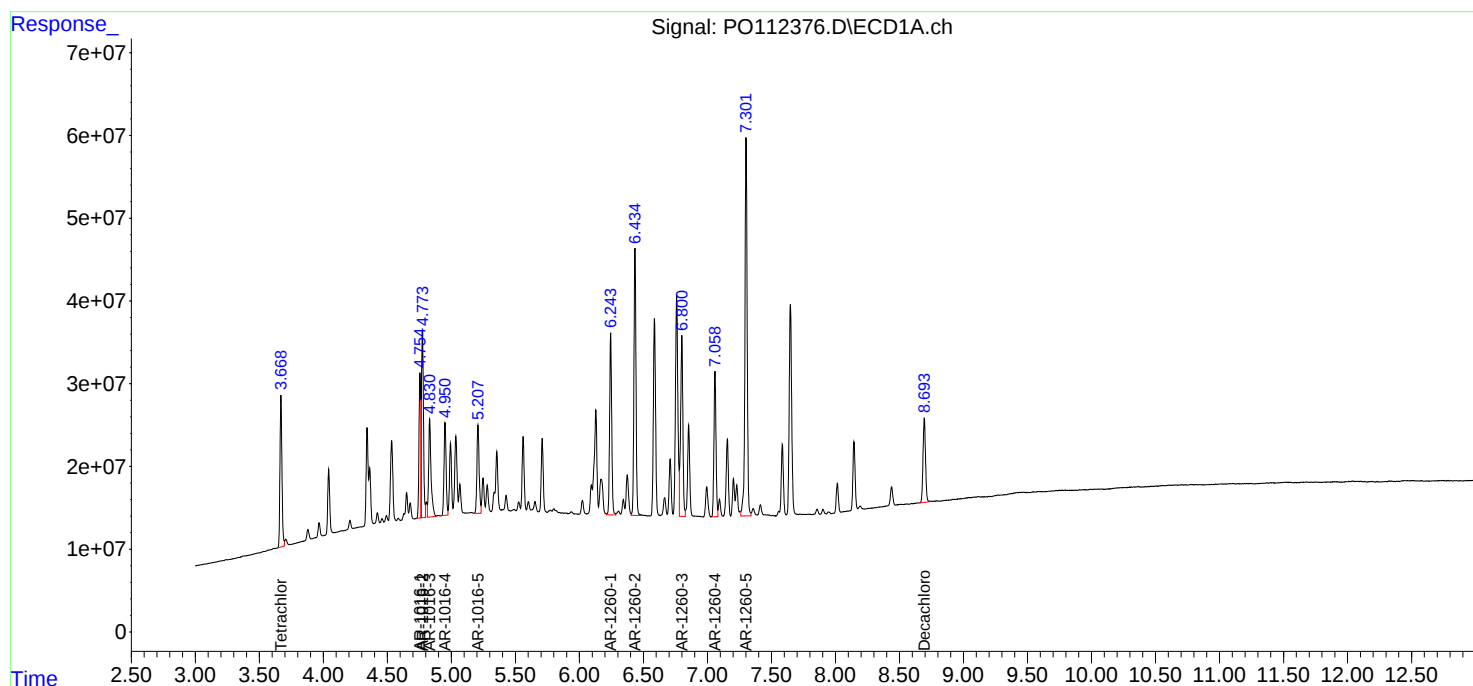
Instrument :
ECD_O
ClientSampleId :
PB168946BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:49:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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



Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/18/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	WC-1MS	SDG No.:	Q2651
Lab Sample ID:	Q2649-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.3
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
PO112379.D	1	07/22/25 09:40	07/22/25 14:48	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	197		4.40	19.0	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	19.0	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.0	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.0	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	19.0	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.0	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	19.0	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.0	ug/kg
11096-82-5	Aroclor-1260	168		3.60	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.5		32 - 144	122%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		32 - 175	88%	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\P0072225\
 Data File : PO112379.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jul 2025 14:48
 Operator : YP/AJ
 Sample : Q2649-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 WC-1MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2025
 Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 01:50:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 22 09:14:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.669	3.662	242.1E6	141.5E6	24.470	22.207m
2)	SA Decachlor...	8.694	8.641	120.5E6	29581830	17.626	17.164
Target Compounds							
3)	L1 AR-1016-1	4.756	4.737	184.1E6	106.3E6	541.329	476.881m
4)	L1 AR-1016-2	4.774	4.755	268.0E6	164.0E6	538.955	498.371m
5)	L1 AR-1016-3	4.831	4.930	168.4E6	85603616	520.216	503.945m
6)	L1 AR-1016-4	4.951	4.973	138.3E6	69060216	538.405	503.253m
7)	L1 AR-1016-5	5.207	5.185	137.4E6	82751145	502.246	479.855m
31)	L7 AR-1260-1	6.245	6.214	304.3E6	146.1E6	607.036	520.752
32)	L7 AR-1260-2	6.434	6.402	342.0E6	158.1E6	463.343m	465.074m
33)	L7 AR-1260-3	6.801	6.553	245.9E6	128.7E6	375.115	466.935m
34)	L7 AR-1260-4	7.060	7.023	183.0E6	75852839	420.489	378.045m
35)	L7 AR-1260-5	7.303	7.265	482.0E6	165.7E6	381.763	370.024

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:48
Operator : YP/AJ
Sample : Q2649-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

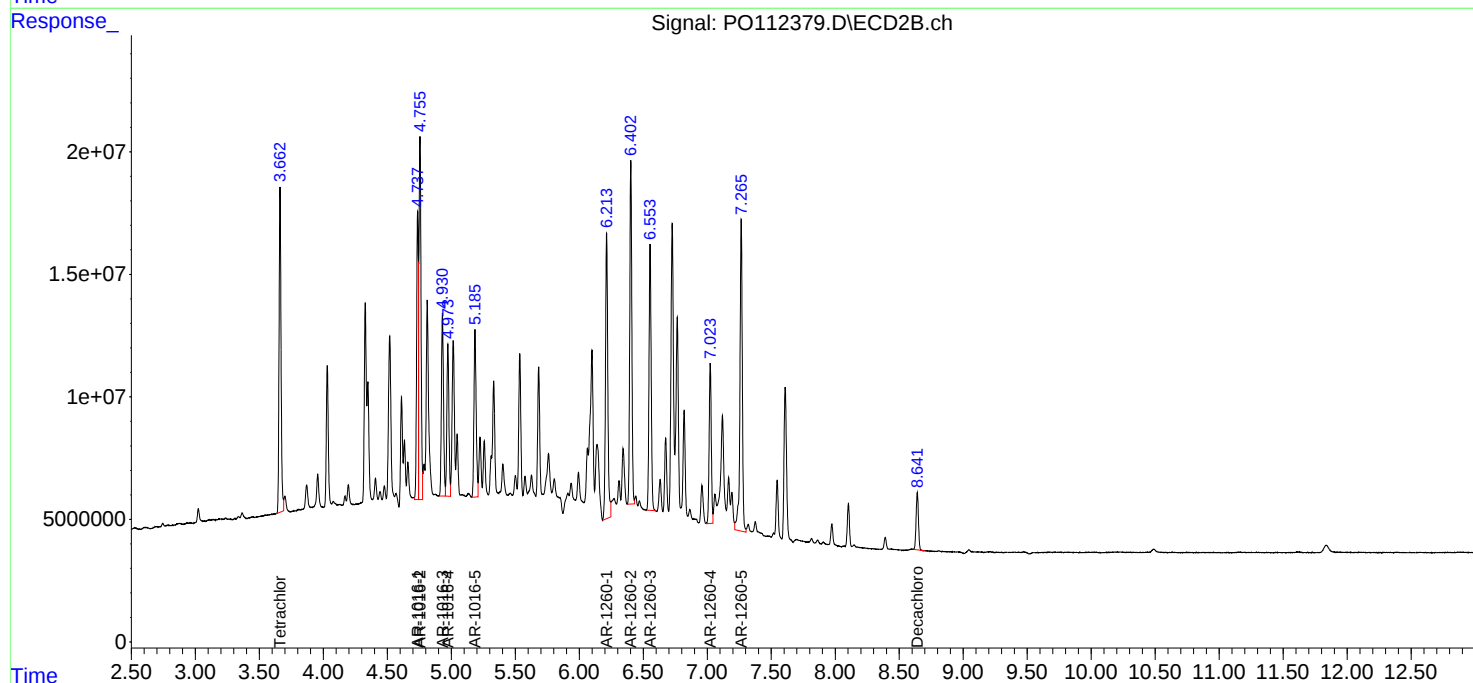
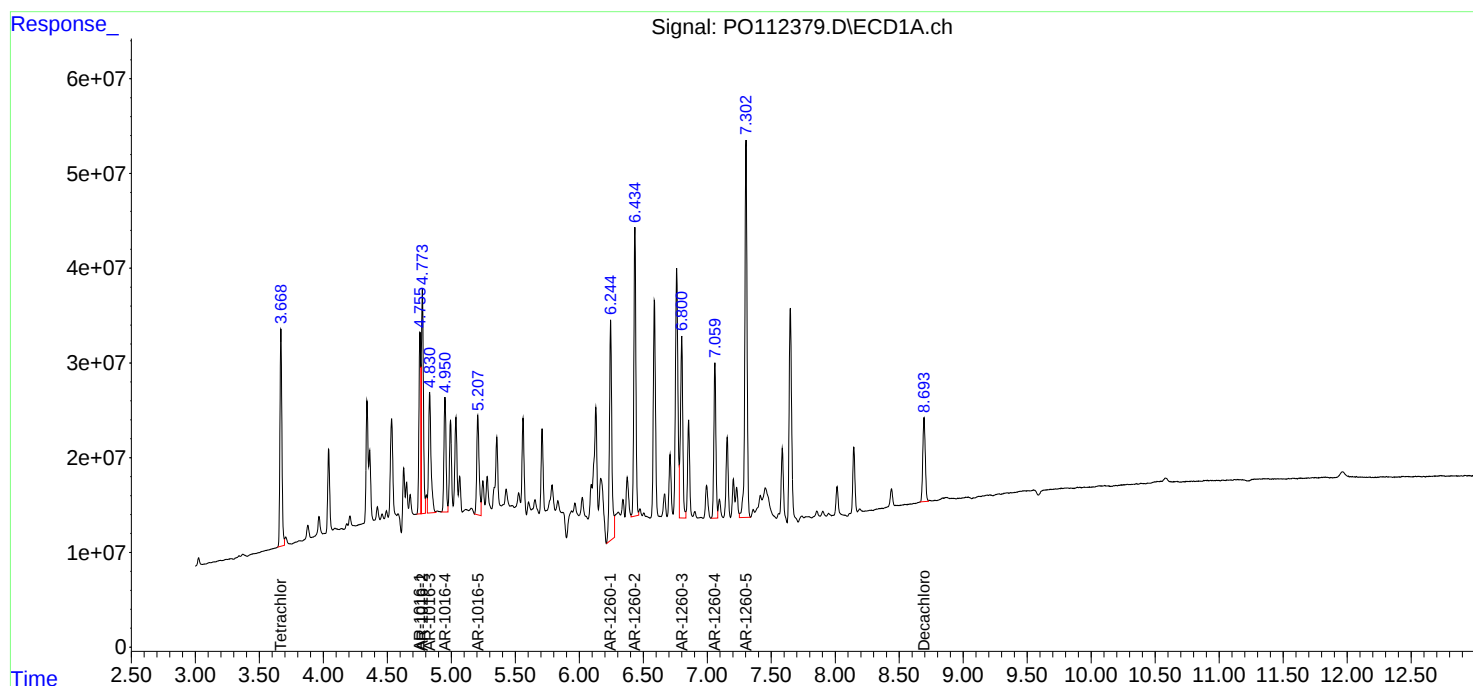
Instrument :
ECD_O
ClientSampleId :
WC-1MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:50:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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



Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/18/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	WC-1MSD	SDG No.:	Q2651
Lab Sample ID:	Q2649-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.3
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
PO112380.D	1	07/22/25 09:40	07/22/25 15:07	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	161		4.40	19.0	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	19.0	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.0	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.0	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	19.0	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.0	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	19.0	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.0	ug/kg
11096-82-5	Aroclor-1260	155		3.60	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		32 - 175	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_0\Data\P0072225\
 Data File : PO112380.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jul 2025 15:07
 Operator : YP/AJ
 Sample : Q2649-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 WC-1MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2025
 Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 01:51:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\P0070825.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 22 09:14:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.669	3.662	193.4E6	111.7E6	19.549	17.525m
2)	SA Decachlor...	8.695	8.641	121.5E6	29932312	17.766	17.368
Target Compounds							
3)	L1 AR-1016-1	4.756	4.737	152.9E6	93834429	449.585	421.095m
4)	L1 AR-1016-2	4.774	4.756	218.5E6	128.0E6	439.413	388.859m
5)	L1 AR-1016-3	4.832	4.931	137.1E6	70041922	423.455	412.334m
6)	L1 AR-1016-4	4.951	4.973	112.9E6	56475172	439.555	411.544m
7)	L1 AR-1016-5	5.207	5.185	113.5E6	70665179	414.763m	409.771m
31)	L7 AR-1260-1	6.245	6.214	281.0E6	133.9E6	560.628	477.401
32)	L7 AR-1260-2	6.434	6.402	300.5E6	141.0E6	407.137m	414.610m
33)	L7 AR-1260-3	6.800	6.553	223.7E6	116.0E6	341.288	420.767m
34)	L7 AR-1260-4	7.060	7.023	173.9E6	67848980	399.568	338.154m
35)	L7 AR-1260-5	7.303	7.265	465.6E6	156.5E6	368.767	349.463

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072225\
Data File : PO112380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 15:07
Operator : YP/AJ
Sample : Q2649-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

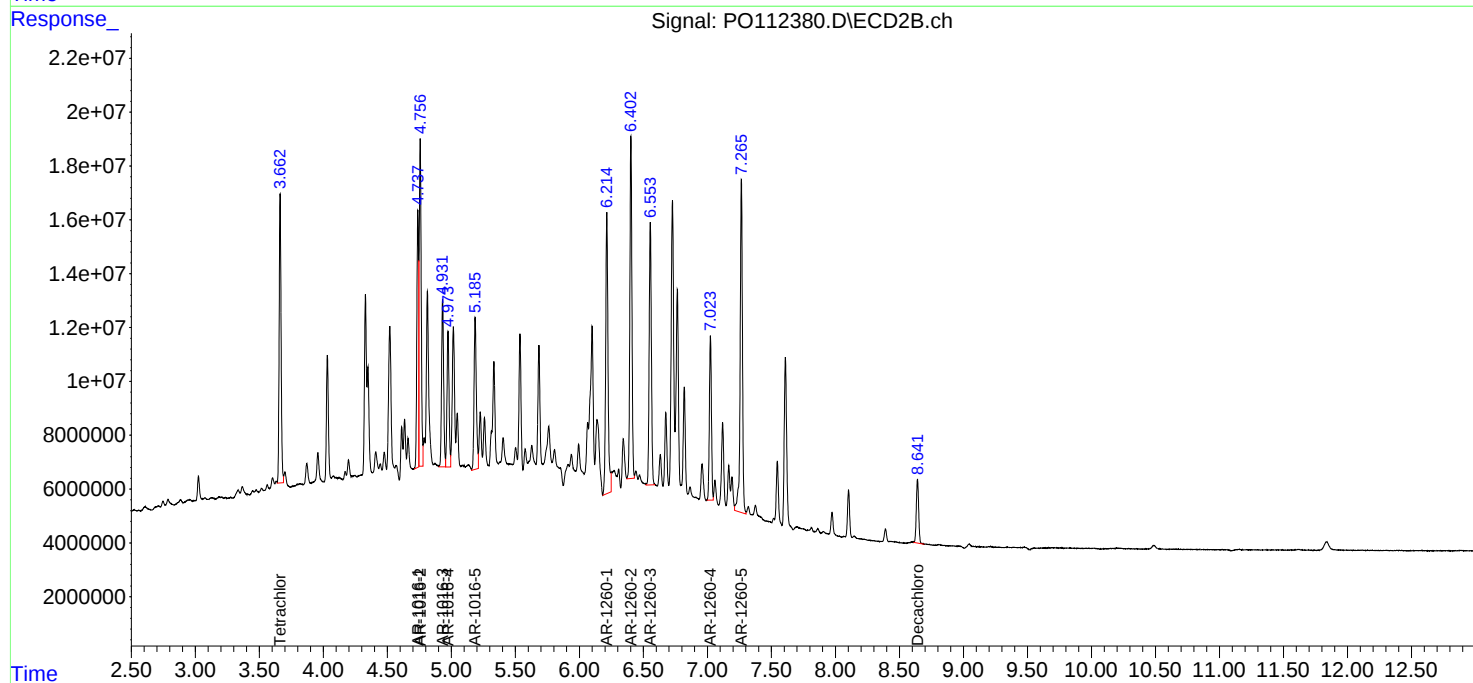
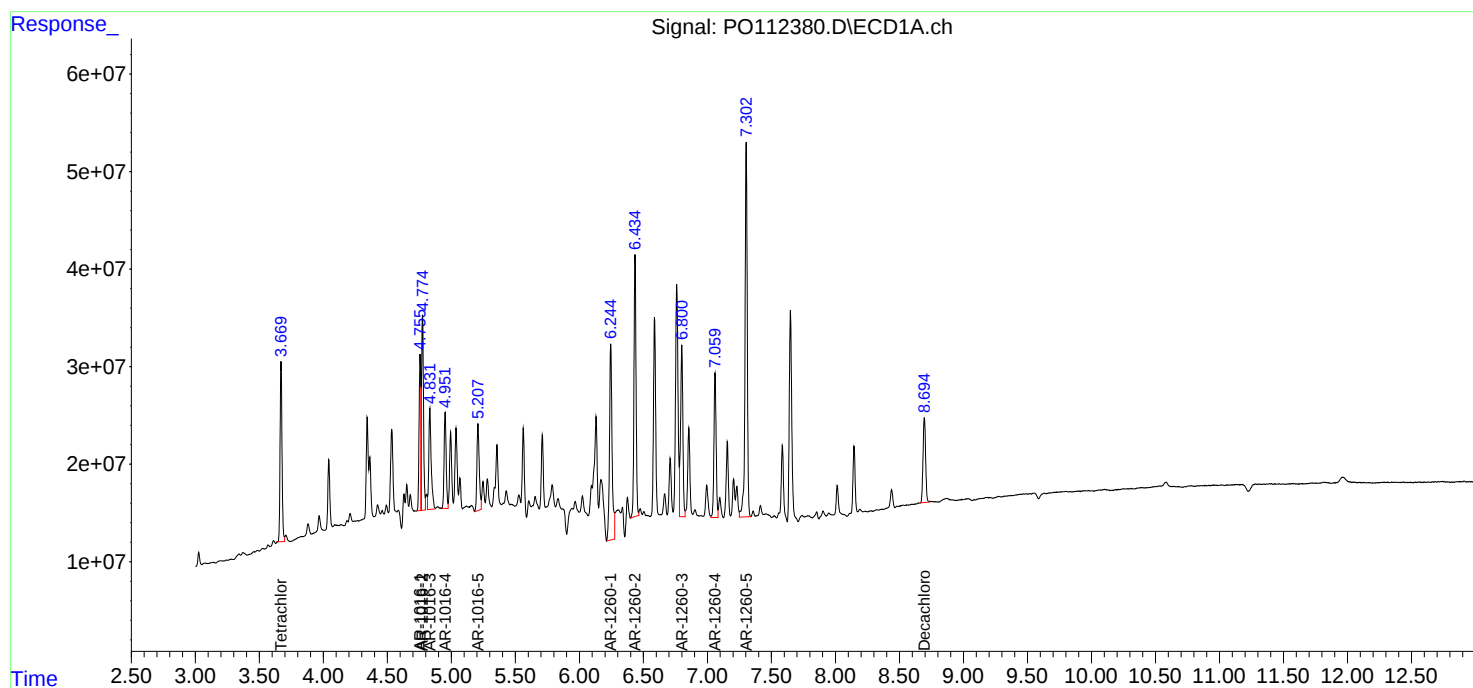
Instrument :
ECD_O
ClientSampleId :
WC-1MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO070825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 22 09:14:26 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



Manual Integration Report

Sequence:	po070825	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC1000	PO112088.D	AR-1016-3 #2	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC1000	PO112088.D	AR-1260-3 #2	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC1000	PO112088.D	Decachlorobiphenyl #2	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC1000	PO112088.D	Tetrachloro-m-xylene	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC1000	PO112088.D	Tetrachloro-m-xylene #2	yogesh	7/9/2025 7:27:19 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	AR-1016-3 #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	AR-1016-4 #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	AR-1016-5 #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	AR-1260-3 #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	Decachlorobiphenyl #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	Tetrachloro-m-xylene	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC750	PO112089.D	Tetrachloro-m-xylene #2	yogesh	7/9/2025 7:27:21 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-1	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software

Manual Integration Report

Sequence:	po070825	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO112091.D	AR-1260-2	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-3	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-3 #2	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-4	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	AR-1260-5	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	Decachlorobiphenyl #2	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC250	PO112091.D	Tetrachloro-m-xylene #2	yogesh	7/9/2025 7:27:23 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1016-5	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1260-1	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1260-1 #2	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1260-2	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	AR-1260-2 #2	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1660ICC050	PO112092.D	Decachlorobiphenyl #2	yogesh	7/9/2025 7:27:25 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software

Manual Integration Report

Sequence:

po070825

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PO112099.D	AR-1242-5	yogesh	7/9/2025 7:27:26 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1242ICC050	PO112099.D	AR-1242-5 #2	yogesh	7/9/2025 7:27:26 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1248ICC050	PO112104.D	AR-1248-4 #2	yogesh	7/9/2025 7:27:28 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1248ICC050	PO112104.D	AR-1248-5 #2	yogesh	7/9/2025 7:27:28 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1254ICC050	PO112109.D	AR-1254-1 #2	yogesh	7/9/2025 7:27:30 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1254ICC050	PO112109.D	AR-1254-2 #2	yogesh	7/9/2025 7:27:30 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1254ICC050	PO112109.D	AR-1254-4	yogesh	7/9/2025 7:27:30 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1268ICC1000	PO112111.D	AR-1268-4	yogesh	7/9/2025 7:27:32 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1268ICC050	PO112115.D	AR-1268-1	yogesh	7/9/2025 7:27:33 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
AR1268ICC050	PO112115.D	AR-1268-3	yogesh	7/9/2025 7:27:33 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
PO070825ICV500	PO112116.D	AR-1016-1 #2	yogesh	7/9/2025 7:27:35 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
PO070825ICV500	PO112116.D	AR-1016-2 #2	yogesh	7/9/2025 7:27:35 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software
PO070825ICV500	PO112116.D	AR-1260-3 #2	yogesh	7/9/2025 7:27:35 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software



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

Manual Integration Report

Sequence:

po070825

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PO070825ICV500	PO112116.D	AR-1260-4 #2	yogesh	7/9/2025 7:27:35 AM	mohammad	7/10/2025 2:03:44	Peak Integrated by Software

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO112366.D	AR-1016-1 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1016-2 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1016-3 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1016-4 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1016-5 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1260-3 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	AR-1260-4 #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112366.D	Decachlorobiphenyl #2	yogesh	7/23/2025 8:14:01 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112367.D	AR-1242-1 #2	yogesh	7/23/2025 8:13:46 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1248CCC500	PO112368.D	AR-1248-1 #2	yogesh	7/23/2025 8:13:48 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112369.D	AR-1254-1	yogesh	7/23/2025 8:13:49 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168946BS	PO112376.D	AR-1016-1 #2	yogesh	7/23/2025 11:47:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168946BS	PO112376.D	AR-1016-2 #2	yogesh	7/23/2025 11:47:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168946BS	PO112376.D	AR-1016-3 #2	yogesh	7/23/2025 11:47:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168946BS	PO112376.D	AR-1016-4 #2	yogesh	7/23/2025 11:47:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168946BS	PO112376.D	AR-1016-5 #2	yogesh	7/23/2025 11:47:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168946BS	PO112376.D	AR-1260-3 #2	yogesh	7/23/2025 11:47:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168946BS	PO112376.D	AR-1260-4 #2	yogesh	7/23/2025 11:47:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
PB168946BS	PO112376.D	Tetrachloro-m-xylene #2	yogesh	7/23/2025 11:47:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	AR-1016-1 #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	AR-1016-2 #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	AR-1016-3 #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	AR-1016-4 #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	AR-1016-5 #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	AR-1260-2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	AR-1260-2 #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2649-01MS	PO112379.D	AR-1260-3 #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	AR-1260-4 #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MS	PO112379.D	Tetrachloro-m-xylene #2	yogesh	7/23/2025 8:32:22 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1016-1 #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1016-2 #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1016-3 #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1016-4 #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1016-5	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1016-5 #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1260-2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1260-2 #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1260-3 #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
Q2649-01MSD	PO112380.D	AR-1260-4 #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2649-01MSD	PO112380.D	Tetrachloro-m-xylene #2	yogesh	7/23/2025 11:47:20 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-1 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-2 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-3 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-4 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1016-5 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1260-3 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112381.D	AR-1260-4 #2	yogesh	7/23/2025 8:32:27 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112382.D	AR-1242-1 #2	yogesh	7/23/2025 11:47:18 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112382.D	AR-1242-2 #2	yogesh	7/23/2025 11:47:18 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1248CCC500	PO112383.D	AR-1248-1 #2	yogesh	7/23/2025 11:47:16 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112384.D	AR-1254-1	yogesh	7/23/2025 11:47:14 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112384.D	AR-1254-4	yogesh	7/23/2025 11:47:14 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

Manual Integration Report

Sequence:	po072225	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO112396.D	AR-1016-1 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1016-2 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1016-3 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1016-4 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1016-5 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1260-3 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112396.D	AR-1260-4 #2	yogesh	7/23/2025 8:32:38 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112397.D	AR-1242-1 #2	yogesh	7/23/2025 11:46:19 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112397.D	AR-1242-2 #2	yogesh	7/23/2025 11:46:19 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112397.D	AR-1242-5	yogesh	7/23/2025 11:46:19 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1242CCC500	PO112397.D	Tetrachloro-m-xylene	yogesh	7/23/2025 11:46:19 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1248CCC500	PO112398.D	AR-1248-1 #2	yogesh	7/23/2025 11:46:18 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1254CCC500	PO112399.D	AR-1254-1	yogesh	7/23/2025 8:32:44 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software

Manual Integration Report

Sequence:

po072225

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO112399.D	AR-1254-2	yogesh	7/23/2025 8:32:44 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
I.BLK	PO112400.D	Decachlorobiphenyl #2	yogesh	7/23/2025 8:32:46 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-1 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-2 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-3 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-4 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-5	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1016-5 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1260-1 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1260-2 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1260-3 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
AR1660CCC500	PO112410.D	AR-1260-4 #2	yogesh	7/23/2025 8:33:07 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software
I.BLK	PO112411.D	Decachlorobiphenyl #2	yogesh	7/23/2025 8:33:10 AM	mohammad	7/24/2025 1:25:37	Peak Integrated by Software



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

Manual Integration Report

Sequence:

po072225

Instrument

ECD_o

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

PQ072225

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PQ070555.D	AR-1260-1	yogesh	7/23/2025 12:17:46 PM	 	 	Peak Integrated by Software
AR1660ICC050	PQ070555.D	AR-1260-1 #2	yogesh	7/23/2025 12:17:46 PM	 	 	Peak Integrated by Software
AR1660ICC050	PQ070555.D	AR-1260-2	yogesh	7/23/2025 12:17:46 PM	 	 	Peak Integrated by Software
AR1254ICC050	PQ070572.D	AR-1254-1 #2	yogesh	7/24/2025 7:42:31 AM	 	 	Peak Integrated by Software
AR1254ICC050	PQ070572.D	AR-1254-2 #2	yogesh	7/24/2025 7:42:31 AM	 	 	Peak Integrated by Software



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Manual Integration Report

Sequence:

pq072325

Instrument

ECD_q

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 # PO070825

Review By	yogesh	Review On	7/8/2025 1:10:21 PM
Supervise By	mohammad	Supervise On	7/10/2025 2:03:44 AM
SubDirectory	PO070825	HP Acquire Method	HP Processing Method PO070825
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	PO112086.D	08 Jul 2025 13:32	YP/AJ	Ok
2	I.BLK	PO112087.D	08 Jul 2025 13:49	YP/AJ	Ok
3	AR1660ICC1000	PO112088.D	08 Jul 2025 14:06	YP/AJ	Ok,M
4	AR1660ICC750	PO112089.D	08 Jul 2025 14:25	YP/AJ	Ok,M
5	AR1660ICC500	PO112090.D	08 Jul 2025 14:43	YP/AJ	Ok
6	AR1660ICC250	PO112091.D	08 Jul 2025 15:02	YP/AJ	Ok,M
7	AR1660ICC050	PO112092.D	08 Jul 2025 15:21	YP/AJ	Ok,M
8	AR1221ICC500	PO112093.D	08 Jul 2025 15:38	YP/AJ	Ok
9	AR1232ICC500	PO112094.D	08 Jul 2025 15:57	YP/AJ	Ok
10	AR1242ICC1000	PO112095.D	08 Jul 2025 16:15	YP/AJ	Ok
11	AR1242ICC750	PO112096.D	08 Jul 2025 16:34	YP/AJ	Ok
12	AR1242ICC500	PO112097.D	08 Jul 2025 16:52	YP/AJ	Ok
13	AR1242ICC250	PO112098.D	08 Jul 2025 17:11	YP/AJ	Ok
14	AR1242ICC050	PO112099.D	08 Jul 2025 17:29	YP/AJ	Ok,M
15	AR1248ICC1000	PO112100.D	08 Jul 2025 17:48	YP/AJ	Ok
16	AR1248ICC750	PO112101.D	08 Jul 2025 18:05	YP/AJ	Ok
17	AR1248ICC500	PO112102.D	08 Jul 2025 18:24	YP/AJ	Ok
18	AR1248ICC250	PO112103.D	08 Jul 2025 18:41	YP/AJ	Ok
19	AR1248ICC050	PO112104.D	08 Jul 2025 18:59	YP/AJ	Ok,M
20	AR1254ICC1000	PO112105.D	08 Jul 2025 19:18	YP/AJ	Ok
21	AR1254ICC750	PO112106.D	08 Jul 2025 19:35	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO070825

Review By	yogesh	Review On	7/8/2025 1:10:21 PM
Supervise By	mohammad	Supervise On	7/10/2025 2:03:44 AM
SubDirectory	PO070825	HP Acquire Method	HP Processing Method PO070825
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	PO112107.D	08 Jul 2025 19:54	YP/AJ	Ok
23	AR1254ICC250	PO112108.D	08 Jul 2025 20:11	YP/AJ	Ok
24	AR1254ICC050	PO112109.D	08 Jul 2025 20:28	YP/AJ	Ok,M
25	AR1262ICC500	PO112110.D	08 Jul 2025 20:47	YP/AJ	Ok
26	AR1268ICC1000	PO112111.D	08 Jul 2025 21:04	YP/AJ	Ok,M
27	AR1268ICC750	PO112112.D	08 Jul 2025 21:22	YP/AJ	Ok
28	AR1268ICC500	PO112113.D	08 Jul 2025 21:39	YP/AJ	Ok
29	AR1268ICC250	PO112114.D	08 Jul 2025 21:57	YP/AJ	Ok
30	AR1268ICC050	PO112115.D	08 Jul 2025 22:16	YP/AJ	Ok,M
31	PO070825ICV500	PO112116.D	08 Jul 2025 22:34	YP/AJ	Ok,M
32	AR1242ICV500	PO112117.D	08 Jul 2025 23:11	YP/AJ	Ok
33	AR1248ICV500	PO112118.D	08 Jul 2025 23:47	YP/AJ	Ok
34	AR1254ICV500	PO112119.D	09 Jul 2025 00:24	YP/AJ	Ok
35	AR1268ICV500	PO112120.D	09 Jul 2025 01:01	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM
SubDirectory	PO072225	HP Acquire Method	HP Processing Method PO070825
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	PO112365.D	22 Jul 2025 08:18	YP/AJ	Ok
2	AR1660CCC500	PO112366.D	22 Jul 2025 08:57	YP/AJ	Ok,M
3	AR1242CCC500	PO112367.D	22 Jul 2025 09:15	YP/AJ	Ok,M
4	AR1248CCC500	PO112368.D	22 Jul 2025 09:32	YP/AJ	Ok,M
5	AR1254CCC500	PO112369.D	22 Jul 2025 09:49	YP/AJ	Ok,M
6	I.BLK	PO112370.D	22 Jul 2025 10:08	YP/AJ	Ok
7	DDT ANALOG	PO112371.D	22 Jul 2025 10:26	YP/AJ	Ok
8	Q2639-09	PO112372.D	22 Jul 2025 11:08	YP/AJ	Ok
9	Q2639-11	PO112373.D	22 Jul 2025 11:26	YP/AJ	Ok,M
10	Q2639-13	PO112374.D	22 Jul 2025 11:44	YP/AJ	Ok
11	PB168946BL	PO112375.D	22 Jul 2025 13:35	YP/AJ	Ok
12	PB168946BS	PO112376.D	22 Jul 2025 13:53	YP/AJ	Ok,M
13	Q2645-02RX	PO112377.D	22 Jul 2025 14:12	YP/AJ	Confirms
14	Q2649-01	PO112378.D	22 Jul 2025 14:30	YP/AJ	Ok
15	Q2649-01MS	PO112379.D	22 Jul 2025 14:48	YP/AJ	Ok,M
16	Q2649-01MSD	PO112380.D	22 Jul 2025 15:07	YP/AJ	Ok,M
17	AR1660CCC500	PO112381.D	22 Jul 2025 16:21	YP/AJ	Ok,M
18	AR1242CCC500	PO112382.D	22 Jul 2025 16:39	YP/AJ	Ok,M
19	AR1248CCC500	PO112383.D	22 Jul 2025 16:56	YP/AJ	Ok,M
20	AR1254CCC500	PO112384.D	22 Jul 2025 17:14	YP/AJ	Ok,M
21	I.BLK	PO112385.D	22 Jul 2025 17:32	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM
SubDirectory	PO072225	HP Acquire Method	HP Processing Method PO070825
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	Q2670-01	PO112386.D	22 Jul 2025 17:49	YP/AJ	Ok,M
23	Q2670-02	PO112387.D	22 Jul 2025 18:08	YP/AJ	Ok,M
24	Q2670-03	PO112388.D	22 Jul 2025 18:25	YP/AJ	Ok,M
25	Q2670-04	PO112389.D	22 Jul 2025 18:44	YP/AJ	Ok,M
26	Q2670-05	PO112390.D	22 Jul 2025 19:02	YP/AJ	Ok,M
27	Q2670-06	PO112391.D	22 Jul 2025 19:20	YP/AJ	Ok,M
28	Q2670-07	PO112392.D	22 Jul 2025 19:39	YP/AJ	Ok,M
29	Q2670-08	PO112393.D	22 Jul 2025 19:57	YP/AJ	Ok,M
30	PB168958BL	PO112394.D	22 Jul 2025 20:34	YP/AJ	Ok,M
31	PB168958BS	PO112395.D	22 Jul 2025 20:52	YP/AJ	Ok,M
32	AR1660CCC500	PO112396.D	22 Jul 2025 22:05	YP/AJ	Ok,M
33	AR1242CCC500	PO112397.D	22 Jul 2025 23:00	YP/AJ	Ok,M
34	AR1248CCC500	PO112398.D	22 Jul 2025 23:18	YP/AJ	Ok,M
35	AR1254CCC500	PO112399.D	22 Jul 2025 23:37	YP/AJ	Ok,M
36	I.BLK	PO112400.D	22 Jul 2025 23:55	YP/AJ	Ok,M
37	PB168957BL	PO112401.D	23 Jul 2025 00:14	YP/AJ	Ok,M
38	PB168957BS	PO112402.D	23 Jul 2025 00:32	YP/AJ	Ok,M
39	PB168957BSD	PO112403.D	23 Jul 2025 00:50	YP/AJ	Ok,M
40	Q2640-01	PO112404.D	23 Jul 2025 01:09	YP/AJ	Ok,M
41	Q2646-01	PO112405.D	23 Jul 2025 01:27	YP/AJ	Ok,M
42	Q2655-03	PO112406.D	23 Jul 2025 01:46	YP/AJ	Ok,M
43	Q2655-04	PO112407.D	23 Jul 2025 02:04	YP/AJ	Ok
44	Q2657-01	PO112408.D	23 Jul 2025 02:22	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM
SubDirectory	PO072225	HP Acquire Method	HP Processing Method PO070825
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	Q2660-05	PO112409.D	23 Jul 2025 02:41	YP/AJ	Ok,M
46	AR1660CCC500	PO112410.D	23 Jul 2025 04:12	YP/AJ	Ok,M
47	I.BLK	PO112411.D	23 Jul 2025 05:43	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072225

Review By	yogesh	Review On	7/22/2025 5:05:33 PM
Supervise By		Supervise On	
SubDirectory	PQ072225	HP Acquire Method	HP Processing Method PQ072225
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	PQ070549.D	23 Jul 2025 02:15	YP\AJ	Ok
2	I.BLK	PQ070550.D	23 Jul 2025 02:29	YP\AJ	Ok
3	AR1660ICC1000	PQ070551.D	23 Jul 2025 02:59	YP\AJ	Ok
4	AR1660ICC750	PQ070552.D	23 Jul 2025 03:13	YP\AJ	Ok
5	AR1660ICC500	PQ070553.D	23 Jul 2025 03:28	YP\AJ	Ok
6	AR1660ICC250	PQ070554.D	23 Jul 2025 03:42	YP\AJ	Ok
7	AR1660ICC050	PQ070555.D	23 Jul 2025 03:57	YP\AJ	Ok,NS
8	AR1221ICC500	PQ070556.D	23 Jul 2025 04:15	YP\AJ	Ok
9	AR1232ICC500	PQ070557.D	23 Jul 2025 04:29	YP\AJ	Ok
10	AR1242ICC1000	PQ070558.D	23 Jul 2025 04:44	YP\AJ	Ok
11	AR1242ICC750	PQ070559.D	23 Jul 2025 04:58	YP\AJ	Ok
12	AR1242ICC500	PQ070560.D	23 Jul 2025 05:13	YP\AJ	Ok
13	AR1242ICC250	PQ070561.D	23 Jul 2025 05:28	YP\AJ	Ok
14	AR1242ICC050	PQ070562.D	23 Jul 2025 05:42	YP\AJ	Ok
15	AR1248ICC1000	PQ070563.D	23 Jul 2025 05:57	YP\AJ	Ok
16	AR1248ICC750	PQ070564.D	23 Jul 2025 06:12	YP\AJ	Ok
17	AR1248ICC500	PQ070565.D	23 Jul 2025 06:26	YP\AJ	Ok
18	AR1248ICC250	PQ070566.D	23 Jul 2025 06:41	YP\AJ	Ok
19	AR1248ICC050	PQ070567.D	23 Jul 2025 06:55	YP\AJ	Ok
20	AR1254ICC1000	PQ070568.D	23 Jul 2025 07:10	YP\AJ	Ok
21	AR1254ICC750	PQ070569.D	23 Jul 2025 07:24	YP\AJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072225

Review By	yogesh	Review On	7/22/2025 5:05:33 PM
Supervise By		Supervise On	
SubDirectory	PQ072225	HP Acquire Method	HP Processing Method PQ072225
STD. NAME	STD REF.#		
Tune/Reschk	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
LCS Standard			

22	AR1254ICC500	PQ070570.D	23 Jul 2025 07:39	YP\AJ	Ok
23	AR1254ICC250	PQ070571.D	23 Jul 2025 07:54	YP\AJ	Ok
24	AR1254ICC050	PQ070572.D	23 Jul 2025 08:52	YP\AJ	Ok,NS
25	AR1262ICC500	PQ070573.D	23 Jul 2025 09:07	YP\AJ	Ok
26	AR1268ICC500	PQ070574.D	23 Jul 2025 09:21	YP\AJ	Ok
27	PQ072225ICV500	PQ070575.D	23 Jul 2025 10:05	YP\AJ	Ok
28	AR1242ICV500	PQ070576.D	23 Jul 2025 10:36	YP\AJ	Ok
29	AR1248ICV500	PQ070577.D	23 Jul 2025 10:52	YP\AJ	Ok
30	AR1254ICV500	PQ070578.D	23 Jul 2025 11:23	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM
Supervise By		Supervise On	
SubDirectory	PQ072325	HP Acquire Method	HP Processing Method PQ072225
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	PQ070580.D	23 Jul 2025 12:22	YP\AJ	Ok
2	AR1660CCC500	PQ070581.D	23 Jul 2025 12:53	YP\AJ	Ok
3	AR1242CCC500	PQ070582.D	23 Jul 2025 13:07	YP\AJ	Ok
4	AR1248CCC500	PQ070583.D	23 Jul 2025 13:22	YP\AJ	Ok
5	AR1254CCC500	PQ070584.D	23 Jul 2025 13:36	YP\AJ	Ok
6	I.BLK	PQ070585.D	23 Jul 2025 13:51	YP\AJ	Ok
7	DDT ANALOG	PQ070586.D	23 Jul 2025 14:06	YP\AJ	Ok
8	Q2660-01	PQ070587.D	23 Jul 2025 14:20	YP\AJ	Not Ok
9	Q2660-03	PQ070588.D	23 Jul 2025 14:35	YP\AJ	Ok
10	Q2663-13	PQ070589.D	23 Jul 2025 14:49	YP\AJ	Not Ok
11	Q2638-01	PQ070590.D	23 Jul 2025 15:04	YP\AJ	Ok
12	Q2638-03	PQ070591.D	23 Jul 2025 15:19	YP\AJ	Ok
13	Q2638-07	PQ070592.D	23 Jul 2025 15:33	YP\AJ	Ok
14	Q2649-05	PQ070593.D	23 Jul 2025 15:48	YP\AJ	Ok
15	Q2649-09	PQ070594.D	23 Jul 2025 16:02	YP\AJ	Ok
16	Q2649-13	PQ070595.D	23 Jul 2025 16:17	YP\AJ	Ok
17	AR1660CCC500	PQ070596.D	23 Jul 2025 17:15	YP\AJ	Ok
18	AR1242CCC500	PQ070597.D	23 Jul 2025 17:59	YP\AJ	Ok
19	AR1248CCC500	PQ070598.D	23 Jul 2025 18:14	YP\AJ	Ok
20	AR1254CCC500	PQ070599.D	23 Jul 2025 18:28	YP\AJ	Not Ok
21	I.BLK	PQ070600.D	23 Jul 2025 18:43	YP\AJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM
Supervise By		Supervise On	
SubDirectory	PQ072325	HP Acquire Method	HP Processing Method PQ072225
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	Q2649-17	PQ070601.D	23 Jul 2025 18:58	YPIAJ	Ok,NS
23	Q2649-21	PQ070602.D	23 Jul 2025 19:12	YPIAJ	Ok
24	Q2651-01	PQ070603.D	23 Jul 2025 19:27	YPIAJ	Ok
25	Q2651-02	PQ070604.D	23 Jul 2025 19:41	YPIAJ	Ok
26	Q2651-03	PQ070605.D	23 Jul 2025 19:56	YPIAJ	Ok
27	Q2651-04	PQ070606.D	23 Jul 2025 20:11	YPIAJ	Ok
28	Q2651-05	PQ070607.D	23 Jul 2025 20:25	YPIAJ	Ok
29	Q2658-01	PQ070608.D	23 Jul 2025 20:40	YPIAJ	Ok
30	PB168946BL	PQ070609.D	23 Jul 2025 20:54	YPIAJ	Ok
31	Q2660-01	PQ070610.D	23 Jul 2025 21:09	YPIAJ	Ok
32	AR1660CCC500	PQ070611.D	23 Jul 2025 22:07	YPIAJ	Ok
33	AR1242CCC500	PQ070612.D	23 Jul 2025 22:51	YPIAJ	Ok
34	AR1248CCC500	PQ070613.D	23 Jul 2025 23:06	YPIAJ	Not Ok
35	AR1254CCC500	PQ070614.D	23 Jul 2025 23:20	YPIAJ	Not Ok
36	I.BLK	PQ070615.D	23 Jul 2025 23:35	YPIAJ	Ok
37	Q2654-02	PQ070616.D	23 Jul 2025 23:52	YPIAJ	Ok
38	Q2654-03	PQ070617.D	24 Jul 2025 00:06	YPIAJ	Ok
39	Q2654-04	PQ070618.D	24 Jul 2025 00:21	YPIAJ	Ok
40	Q2654-05	PQ070619.D	24 Jul 2025 00:35	YPIAJ	Ok
41	Q2654-06	PQ070620.D	24 Jul 2025 00:50	YPIAJ	Ok
42	Q2656-01	PQ070621.D	24 Jul 2025 01:05	YPIAJ	Not Ok
43	Q2656-02	PQ070622.D	24 Jul 2025 01:19	YPIAJ	Ok
44	Q2656-03	PQ070623.D	24 Jul 2025 01:34	YPIAJ	Not Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM
Supervise By		Supervise On	
SubDirectory	PQ072325	HP Acquire Method	HP Processing Method PQ072225
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	Q2677-01	PQ070624.D	24 Jul 2025 01:48	YP\AJ	Ok
46	Q2677-03	PQ070625.D	24 Jul 2025 02:03	YP\AJ	Ok
47	AR1660CCC500	PQ070626.D	24 Jul 2025 03:16	YP\AJ	Ok
48	AR1242CCC500	PQ070627.D	24 Jul 2025 03:45	YP\AJ	Ok
49	AR1248CCC500	PQ070628.D	24 Jul 2025 04:28	YP\AJ	Ok
50	AR1254CCC500	PQ070629.D	24 Jul 2025 05:15	YP\AJ	Ok
51	I.BLK	PQ070630.D	24 Jul 2025 06:00	YP\AJ	Ok
52	PB168978BL	PQ070631.D	24 Jul 2025 06:14	YP\AJ	Ok
53	PB168978BS	PQ070632.D	24 Jul 2025 06:29	YP\AJ	Ok
54	Q2655-01	PQ070633.D	24 Jul 2025 06:43	YP\AJ	Dilution
55	Q2668-01	PQ070634.D	24 Jul 2025 06:58	YP\AJ	Ok
56	Q2668-05	PQ070635.D	24 Jul 2025 07:13	YP\AJ	Ok
57	Q2668-09	PQ070636.D	24 Jul 2025 07:27	YP\AJ	Ok
58	Q2672-02	PQ070637.D	24 Jul 2025 07:42	YP\AJ	Dilution
59	Q2672-04	PQ070638.D	24 Jul 2025 07:56	YP\AJ	Dilution
60	Q2675-01	PQ070639.D	24 Jul 2025 08:11	YP\AJ	Ok
61	Q2676-01	PQ070640.D	24 Jul 2025 08:26	YP\AJ	Ok
62	AR1660CCC500	PQ070641.D	24 Jul 2025 10:04	YP\AJ	Ok
63	AR1242CCC500	PQ070642.D	24 Jul 2025 10:24	YP\AJ	Ok
64	AR1248CCC500	PQ070643.D	24 Jul 2025 10:40	YP\AJ	Ok
65	AR1254CCC500	PQ070644.D	24 Jul 2025 10:54	YP\AJ	Ok
66	I.BLK	PQ070645.D	24 Jul 2025 11:09	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO070825

Review By	yogesh	Review On	7/8/2025 1:10:21 PM
Supervise By	mohammad	Supervise On	7/10/2025 2:03:44 AM
SubDirectory	PO070825	HP Acquire Method	HP Processing Method PO070825

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	PO112086.D	08 Jul 2025 13:32		YP/AJ	Ok
2	I.BLK	I.BLK	PO112087.D	08 Jul 2025 13:49		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO112088.D	08 Jul 2025 14:06		YP/AJ	Ok,M
4	AR1660ICC750	AR1660ICC750	PO112089.D	08 Jul 2025 14:25		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO112090.D	08 Jul 2025 14:43		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO112091.D	08 Jul 2025 15:02		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO112092.D	08 Jul 2025 15:21		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO112093.D	08 Jul 2025 15:38		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO112094.D	08 Jul 2025 15:57		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO112095.D	08 Jul 2025 16:15		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO112096.D	08 Jul 2025 16:34		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO112097.D	08 Jul 2025 16:52		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO112098.D	08 Jul 2025 17:11		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO112099.D	08 Jul 2025 17:29		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO112100.D	08 Jul 2025 17:48		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO112101.D	08 Jul 2025 18:05		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO112102.D	08 Jul 2025 18:24		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO112103.D	08 Jul 2025 18:41		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO070825

Review By	yogesh	Review On	7/8/2025 1:10:21 PM
Supervise By	mohammad	Supervise On	7/10/2025 2:03:44 AM
SubDirectory	PO070825	HP Acquire Method	HP Processing Method PO070825
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	PO112104.D	08 Jul 2025 18:59		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO112105.D	08 Jul 2025 19:18		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO112106.D	08 Jul 2025 19:35		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO112107.D	08 Jul 2025 19:54		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO112108.D	08 Jul 2025 20:11		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO112109.D	08 Jul 2025 20:28		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO112110.D	08 Jul 2025 20:47		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO112111.D	08 Jul 2025 21:04		YP/AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PO112112.D	08 Jul 2025 21:22		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO112113.D	08 Jul 2025 21:39		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO112114.D	08 Jul 2025 21:57		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO112115.D	08 Jul 2025 22:16		YP/AJ	Ok,M
31	PO070825ICV500	ICVPO070825	PO112116.D	08 Jul 2025 22:34		YP/AJ	Ok,M
32	AR1242ICV500	ICVPO070825AR1242	PO112117.D	08 Jul 2025 23:11		YP/AJ	Ok
33	AR1248ICV500	ICVPO070825AR1248	PO112118.D	08 Jul 2025 23:47		YP/AJ	Ok
34	AR1254ICV500	ICVPO070825AR1254	PO112119.D	09 Jul 2025 00:24		YP/AJ	Ok
35	AR1268ICV500	ICVPO070825AR1268	PO112120.D	09 Jul 2025 01:01		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM
SubDirectory	PO072225	HP Acquire Method	HP Processing Method PO070825

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	PO112365.D	22 Jul 2025 08:18		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO112366.D	22 Jul 2025 08:57		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO112367.D	22 Jul 2025 09:15		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO112368.D	22 Jul 2025 09:32		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO112369.D	22 Jul 2025 09:49		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO112370.D	22 Jul 2025 10:08		YP/AJ	Ok
7	DDT ANALOG	DDT ANALOG	PO112371.D	22 Jul 2025 10:26		YP/AJ	Ok
8	Q2639-09	OU4-TS-42-071725	PO112372.D	22 Jul 2025 11:08		YP/AJ	Ok
9	Q2639-11	OU4-TS-43-071725	PO112373.D	22 Jul 2025 11:26		YP/AJ	Ok,M
10	Q2639-13	OU4-TS-44-071725	PO112374.D	22 Jul 2025 11:44		YP/AJ	Ok
11	PB168946BL	PB168946BL	PO112375.D	22 Jul 2025 13:35		YP/AJ	Ok
12	PB168946BS	PB168946BS	PO112376.D	22 Jul 2025 13:53		YP/AJ	Ok,M
13	Q2645-02RX	RW5B-CARBON-20250	PO112377.D	22 Jul 2025 14:12	TCMX having F Flag in 2nd column, all surrogate fail	YP/AJ	Confirms
14	Q2649-01	WC-1	PO112378.D	22 Jul 2025 14:30		YP/AJ	Ok
15	Q2649-01MS	WC-1MS	PO112379.D	22 Jul 2025 14:48		YP/AJ	Ok,M
16	Q2649-01MSD	WC-1MSD	PO112380.D	22 Jul 2025 15:07	RPD Fail	YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO112381.D	22 Jul 2025 16:21		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM
SubDirectory	PO072225	HP Acquire Method	HP Processing Method PO070825
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	PO112382.D	22 Jul 2025 16:39		YP/AJ	Ok,M
19	AR1248CCC500	AR1248CCC500	PO112383.D	22 Jul 2025 16:56		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO112384.D	22 Jul 2025 17:14		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO112385.D	22 Jul 2025 17:32		YP/AJ	Ok
22	Q2670-01	RBR251375-1	PO112386.D	22 Jul 2025 17:49	AR1248 Hit	YP/AJ	Ok,M
23	Q2670-02	RBR251375-2	PO112387.D	22 Jul 2025 18:08	AR1248 Hit	YP/AJ	Ok,M
24	Q2670-03	72-11995-1	PO112388.D	22 Jul 2025 18:25	AR1248 Hit	YP/AJ	Ok,M
25	Q2670-04	72-11995-2	PO112389.D	22 Jul 2025 18:44	AR1248 Hit	YP/AJ	Ok,M
26	Q2670-05	72-12000-1	PO112390.D	22 Jul 2025 19:02	AR1248 Hit	YP/AJ	Ok,M
27	Q2670-06	72-12000-2	PO112391.D	22 Jul 2025 19:20	AR1248 Hit	YP/AJ	Ok,M
28	Q2670-07	72-11991-1	PO112392.D	22 Jul 2025 19:39	AR1248 Hit	YP/AJ	Ok,M
29	Q2670-08	72-11991-2	PO112393.D	22 Jul 2025 19:57	AR1248 Hit	YP/AJ	Ok,M
30	PB168958BL	PB168958BL	PO112394.D	22 Jul 2025 20:34		YP/AJ	Ok,M
31	PB168958BS	PB168958BS	PO112395.D	22 Jul 2025 20:52		YP/AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PO112396.D	22 Jul 2025 22:05		YP/AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PO112397.D	22 Jul 2025 23:00		YP/AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PO112398.D	22 Jul 2025 23:18		YP/AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PO112399.D	22 Jul 2025 23:37		YP/AJ	Ok,M
36	I.BLK	I.BLK	PO112400.D	22 Jul 2025 23:55		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072225

Review By	yogesh	Review On	7/22/2025 12:28:05 PM
Supervise By	mohammad	Supervise On	7/24/2025 1:25:37 AM
SubDirectory	PO072225	HP Acquire Method	HP Processing Method PO070825
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	PB168957BL	PB168957BL	PO112401.D	23 Jul 2025 00:14		YP/AJ	Ok,M
38	PB168957BS	PB168957BS	PO112402.D	23 Jul 2025 00:32		YP/AJ	Ok,M
39	PB168957BSD	PB168957BSD	PO112403.D	23 Jul 2025 00:50		YP/AJ	Ok,M
40	Q2640-01	ELMORA-WATER	PO112404.D	23 Jul 2025 01:09		YP/AJ	Ok,M
41	Q2646-01	FRAC TANK	PO112405.D	23 Jul 2025 01:27		YP/AJ	Ok,M
42	Q2655-03	71125	PO112406.D	23 Jul 2025 01:46		YP/AJ	Ok,M
43	Q2655-04	71425	PO112407.D	23 Jul 2025 02:04		YP/AJ	Ok
44	Q2657-01	12825-A	PO112408.D	23 Jul 2025 02:22		YP/AJ	Ok,M
45	Q2660-05	MOO-25-0220	PO112409.D	23 Jul 2025 02:41		YP/AJ	Ok,M
46	AR1660CCC500	AR1660CCC500	PO112410.D	23 Jul 2025 04:12	DCB low in both column	YP/AJ	Ok,M
47	I.BLK	I.BLK	PO112411.D	23 Jul 2025 05:43		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072225

Review By	yogesh	Review On	7/22/2025 5:05:33 PM
Supervise By		Supervise On	
SubDirectory	PQ072225	HP Acquire Method	HP Processing Method PQ072225
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			
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	PQ070549.D	23 Jul 2025 02:15		YP\AJ	Ok
2	I.BLK	I.BLK	PQ070550.D	23 Jul 2025 02:29		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PQ070551.D	23 Jul 2025 02:59		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PQ070552.D	23 Jul 2025 03:13		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PQ070553.D	23 Jul 2025 03:28		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PQ070554.D	23 Jul 2025 03:42		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PQ070555.D	23 Jul 2025 03:57		YP\AJ	Ok,NS
8	AR1221ICC500	AR1221ICC500	PQ070556.D	23 Jul 2025 04:15		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PQ070557.D	23 Jul 2025 04:29		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PQ070558.D	23 Jul 2025 04:44		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PQ070559.D	23 Jul 2025 04:58		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PQ070560.D	23 Jul 2025 05:13		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PQ070561.D	23 Jul 2025 05:28		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PQ070562.D	23 Jul 2025 05:42		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PQ070563.D	23 Jul 2025 05:57		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PQ070564.D	23 Jul 2025 06:12		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PQ070565.D	23 Jul 2025 06:26		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PQ070566.D	23 Jul 2025 06:41		YP\AJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072225

Review By	yogesh	Review On	7/22/2025 5:05:33 PM
Supervise By		Supervise On	
SubDirectory	PQ072225	HP Acquire Method	HP Processing Method PQ072225
STD. NAME	STD REF.#		
Tune/Reschk	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PQ070567.D	23 Jul 2025 06:55		YPIAJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PQ070568.D	23 Jul 2025 07:10		YPIAJ	Ok
21	AR1254ICC750	AR1254ICC750	PQ070569.D	23 Jul 2025 07:24		YPIAJ	Ok
22	AR1254ICC500	AR1254ICC500	PQ070570.D	23 Jul 2025 07:39		YPIAJ	Ok
23	AR1254ICC250	AR1254ICC250	PQ070571.D	23 Jul 2025 07:54		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PQ070572.D	23 Jul 2025 08:52		YPIAJ	Ok,NS
25	AR1262ICC500	AR1262ICC500	PQ070573.D	23 Jul 2025 09:07		YPIAJ	Ok
26	AR1268ICC500	AR1268ICC500	PQ070574.D	23 Jul 2025 09:21		YPIAJ	Ok
27	PQ072225ICV500	ICVPQ072225	PQ070575.D	23 Jul 2025 10:05		YPIAJ	Ok
28	AR1242ICV500	ICVPQ072225AR1242	PQ070576.D	23 Jul 2025 10:36		YPIAJ	Ok
29	AR1248ICV500	ICVPQ072225AR1248	PQ070577.D	23 Jul 2025 10:52		YPIAJ	Ok
30	AR1254ICV500	ICVPQ072225AR1254	PQ070578.D	23 Jul 2025 11:23		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM
Supervise By		Supervise On	
SubDirectory	PQ072325	HP Acquire Method	HP Processing Method PQ072225

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	PQ070580.D	23 Jul 2025 12:22		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PQ070581.D	23 Jul 2025 12:53		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PQ070582.D	23 Jul 2025 13:07		YPIAJ	Ok
4	AR1248CCC500	AR1248CCC500	PQ070583.D	23 Jul 2025 13:22		YPIAJ	Ok
5	AR1254CCC500	AR1254CCC500	PQ070584.D	23 Jul 2025 13:36		YPIAJ	Ok
6	I.BLK	I.BLK	PQ070585.D	23 Jul 2025 13:51		YPIAJ	Ok
7	DDT ANALOG	DDT ANALOG	PQ070586.D	23 Jul 2025 14:06		YPIAJ	Ok
8	Q2660-01	MOO-25-0205	PQ070587.D	23 Jul 2025 14:20	need cleanup	YPIAJ	Not Ok
9	Q2660-03	MOO-25-0218	PQ070588.D	23 Jul 2025 14:35		YPIAJ	Ok
10	Q2663-13	HEH700H-1-1	PQ070589.D	23 Jul 2025 14:49	AR1254 Hit , AR1254 END CCC fail	YPIAJ	Not Ok
11	Q2638-01	OU4-TS-31-071725	PQ070590.D	23 Jul 2025 15:04		YPIAJ	Ok
12	Q2638-03	OU4-TS-32-071725	PQ070591.D	23 Jul 2025 15:19		YPIAJ	Ok
13	Q2638-07	OU4-TS-34-071725	PQ070592.D	23 Jul 2025 15:33		YPIAJ	Ok
14	Q2649-05	WC-2	PQ070593.D	23 Jul 2025 15:48		YPIAJ	Ok
15	Q2649-09	WC-3	PQ070594.D	23 Jul 2025 16:02		YPIAJ	Ok
16	Q2649-13	WC-4	PQ070595.D	23 Jul 2025 16:17		YPIAJ	Ok
17	AR1660CCC500	AR1660CCC500	PQ070596.D	23 Jul 2025 17:15		YPIAJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM
Supervise By		Supervise On	
SubDirectory	PQ072325	HP Acquire Method	HP Processing Method PQ072225
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	PQ070597.D	23 Jul 2025 17:59		YPIAJ	Ok
19	AR1248CCC500	AR1248CCC500	PQ070598.D	23 Jul 2025 18:14		YPIAJ	Ok
20	AR1254CCC500	AR1254CCC500	PQ070599.D	23 Jul 2025 18:28	CCC fail on higher side	YPIAJ	Not Ok
21	I.BLK	I.BLK	PQ070600.D	23 Jul 2025 18:43		YPIAJ	Ok
22	Q2649-17	WC-5	PQ070601.D	23 Jul 2025 18:58		YPIAJ	Ok,NS
23	Q2649-21	WC-6	PQ070602.D	23 Jul 2025 19:12		YPIAJ	Ok
24	Q2651-01	MH 2-1	PQ070603.D	23 Jul 2025 19:27		YPIAJ	Ok
25	Q2651-02	MH 6-5	PQ070604.D	23 Jul 2025 19:41		YPIAJ	Ok
26	Q2651-03	MH 7-6	PQ070605.D	23 Jul 2025 19:56		YPIAJ	Ok
27	Q2651-04	MH 8-7	PQ070606.D	23 Jul 2025 20:11		YPIAJ	Ok
28	Q2651-05	MH 9-8	PQ070607.D	23 Jul 2025 20:25		YPIAJ	Ok
29	Q2658-01	PAD-072125-1	PQ070608.D	23 Jul 2025 20:40		YPIAJ	Ok
30	PB168946BL	PB168946BL	PQ070609.D	23 Jul 2025 20:54		YPIAJ	Ok
31	Q2660-01	MOO-25-0205	PQ070610.D	23 Jul 2025 21:09		YPIAJ	Ok
32	AR1660CCC500	AR1660CCC500	PQ070611.D	23 Jul 2025 22:07	DCB Low in 2nd column	YPIAJ	Ok
33	AR1242CCC500	AR1242CCC500	PQ070612.D	23 Jul 2025 22:51		YPIAJ	Ok
34	AR1248CCC500	AR1248CCC500	PQ070613.D	23 Jul 2025 23:06	CCC fail on higher side	YPIAJ	Not Ok
35	AR1254CCC500	AR1254CCC500	PQ070614.D	23 Jul 2025 23:20	CCC fail on higher side	YPIAJ	Not Ok
36	I.BLK	I.BLK	PQ070615.D	23 Jul 2025 23:35		YPIAJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM
Supervise By		Supervise On	
SubDirectory	PQ072325	HP Acquire Method	HP Processing Method PQ072225
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	Q2654-02	71125-B	PQ070616.D	23 Jul 2025 23:52		YPIAJ	Ok
38	Q2654-03	71525-A	PQ070617.D	24 Jul 2025 00:06		YPIAJ	Ok
39	Q2654-04	71525-B	PQ070618.D	24 Jul 2025 00:21		YPIAJ	Ok
40	Q2654-05	72125-A	PQ070619.D	24 Jul 2025 00:35		YPIAJ	Ok
41	Q2654-06	72125-B	PQ070620.D	24 Jul 2025 00:50		YPIAJ	Ok
42	Q2656-01	71525-A	PQ070621.D	24 Jul 2025 01:05	AR1248 Hit , AR1248 opening ccc fail	YPIAJ	Not Ok
43	Q2656-02	71525-B	PQ070622.D	24 Jul 2025 01:19		YPIAJ	Ok
44	Q2656-03	71525-C	PQ070623.D	24 Jul 2025 01:34	AR1248 Hit , AR1248 opening ccc fail	YPIAJ	Not Ok
45	Q2677-01	OK-02-07222025	PQ070624.D	24 Jul 2025 01:48		YPIAJ	Ok
46	Q2677-03	OK-03-07222025	PQ070625.D	24 Jul 2025 02:03		YPIAJ	Ok
47	AR1660CCC500	AR1660CCC500	PQ070626.D	24 Jul 2025 03:16	DCB low in 2nd column	YPIAJ	Ok
48	AR1242CCC500	AR1242CCC500	PQ070627.D	24 Jul 2025 03:45	DCB low in 2nd column	YPIAJ	Ok
49	AR1248CCC500	AR1248CCC500	PQ070628.D	24 Jul 2025 04:28	DCB low in 2nd column	YPIAJ	Ok
50	AR1254CCC500	AR1254CCC500	PQ070629.D	24 Jul 2025 05:15	DCB low in 2nd column	YPIAJ	Ok
51	I.BLK	I.BLK	PQ070630.D	24 Jul 2025 06:00		YPIAJ	Ok
52	PB168978BL	PB168978BL	PQ070631.D	24 Jul 2025 06:14		YPIAJ	Ok
53	PB168978BS	PB168978BS	PQ070632.D	24 Jul 2025 06:29		YPIAJ	Ok
54	Q2655-01	SOIL	PQ070633.D	24 Jul 2025 06:43	TCMX high in 1st column & low in 2nd column , Need 10X,50X dilution	YPIAJ	Dilution

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ072325

Review By	yogesh	Review On	7/23/2025 3:41:09 PM
Supervise By		Supervise On	
SubDirectory	PQ072325	HP Acquire Method	HP Processing Method PQ072225
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			

55	Q2668-01	TP-2	PQ070634.D	24 Jul 2025 06:58		YP\AJ	Ok
56	Q2668-05	TP-3	PQ070635.D	24 Jul 2025 07:13		YP\AJ	Ok
57	Q2668-09	TP-1	PQ070636.D	24 Jul 2025 07:27		YP\AJ	Ok
58	Q2672-02	AUD-25-0123-0127	PQ070637.D	24 Jul 2025 07:42	AR1260+1242+1254 Hit , Need 10x,20X dilution	YP\AJ	Dilution
59	Q2672-04	AUD-25-0128-0132	PQ070638.D	24 Jul 2025 07:56	AR1260+1242+1254 Hit , Need 10x,20x dilution	YP\AJ	Dilution
60	Q2675-01	SU-03-07222025	PQ070639.D	24 Jul 2025 08:11		YP\AJ	Ok
61	Q2676-01	HD-01-07222025	PQ070640.D	24 Jul 2025 08:26		YP\AJ	Ok
62	AR1660CCC500	AR1660CCC500	PQ070641.D	24 Jul 2025 10:04		YP\AJ	Ok
63	AR1242CCC500	AR1242CCC500	PQ070642.D	24 Jul 2025 10:24		YP\AJ	Ok
64	AR1248CCC500	AR1248CCC500	PQ070643.D	24 Jul 2025 10:40		YP\AJ	Ok
65	AR1254CCC500	AR1254CCC500	PQ070644.D	24 Jul 2025 10:54		YP\AJ	Ok
66	I.BLK	I.BLK	PQ070645.D	24 Jul 2025 11:09		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136542

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
Q2637-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2637-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2637-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2637-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2637-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2637-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2638-01	OU4-TS-31-071725	7	1.15	10.44	11.59	8.29	68.4	
Q2638-03	OU4-TS-32-071725	8	1.14	10.41	11.55	7.92	65.1	
Q2638-05	OU4-TS-33-071725	9	1.12	10.69	11.81	8.04	64.7	
Q2638-07	OU4-TS-34-071725	10	1.18	10.81	11.99	8.58	68.5	
Q2638-09	OU4-TS-35-071725	11	1.18	10.24	11.42	9.62	82.4	
Q2638-11	OU4-TS-36-071725	12	1.16	10.22	11.38	9.53	81.9	
Q2638-13	OU4-TS-37-071725	13	1.14	10.27	11.41	9.48	81.2	
Q2639-01	OU4-TS-38-071725	14	1.16	10.58	11.74	9.69	80.6	
Q2639-03	OU4-TS-39-071725	15	1.12	10.64	11.76	9.74	81.0	
Q2639-05	OU4-TS-40-071725	16	1.16	10.23	11.39	9.42	80.7	
Q2639-07	OU4-TS-41-071725	17	1.18	10.20	11.38	9.54	82.0	
Q2639-09	OU4-TS-42-071725	18	1.19	10.34	11.53	7.42	60.3	
Q2639-11	OU4-TS-43-071725	19	1.19	10.67	11.86	7.38	58.0	
Q2639-13	OU4-TS-44-071725	20	1.12	10.87	11.99	8.18	64.9	
Q2641-01	P001-CONCRETE001-01	21	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2645-02	RW5B-CARBON-20250716	22	1.17	10.52	11.69	8.39	68.6	
Q2648-01	A3	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-02	A4	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-03	B2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-04	B3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-05	B4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2651-01	MH 2-1	28	1.18	10.67	11.85	11.26	94.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136542

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
Q2651-02	MH 6-5	29	1.15	10.40	11.55	10.9	93.8	
Q2651-03	MH 7-6	30	1.12	10.20	11.32	10.7	93.9	
Q2651-04	MH 8-7	31	1.13	10.44	11.57	11.01	94.6	
Q2651-05	MH 9-8	32	1.13	10.27	11.4	10.67	92.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

W 136542

WorkList Name : %1-071825

WorkList ID : 190813

Department : Wet-Chemistry

Date : 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2637-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-01	OU4-TS-31-071725	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-03	OU4-TS-32-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-05	OU4-TS-33-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-07	OU4-TS-34-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-09	OU4-TS-35-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-11	OU4-TS-36-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-13	OU4-TS-37-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-01	OU4-TS-38-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-03	OU4-TS-39-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-05	OU4-TS-40-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-07	OU4-TS-41-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-09	OU4-TS-42-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-11	OU4-TS-43-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-13	OU4-TS-44-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2641-01	P001-CONCRETE001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	O22	07/16/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by: JS

Raw Sample Relinquished by: JS

Date/Time 07/18/25 17:35

Raw Sample Received by: JS

Raw Sample Relinquished by: JS

WORKLIST(Hardcopy Internal Chain)

VB 136542

WorkList Name : %1-071825

WorkList ID : 190813

Department : Wet-Chemistry

Date : 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	Percent Solids	Cool 4 deg C	TETR06	O41	07/16/2025	Chemtech -SO
Q2648-01	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-02	A4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-03	B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-04	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-05	B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-01	MH 2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-02	MH 6-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-03	MH 7-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-04	MH 8-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-05	MH 9-8	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/18/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Acid Cleanup

Extraction Start Date : 07/22/2025

Matrix : Solid

Extraction Start Time : 09:40

Weigh By: EH

Extraction By: RS

Extraction End Date : 07/22/2025

Balance check: EH

Filter By: RJ

Extraction End Time : 12:55

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

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24650
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2627
Baked Na2SO4	N/A	EP2625
Hexane	N/A	E3956
H2SO4 1:1	N/A	EP2610
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723,Q2660-03 used Limited volume as sample is oil 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
7/22/25 13:00	RS (Ext Lab)	Y. Pest IPS
	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 07/22/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168946BL	ABLK946	PCB	30.02	N/A	RUPESH	Evelyn	10			U2-1
PB168946BS	ALCS946	PCB	30.03	N/A	RUPESH	Evelyn	10			2
Q2645-02	RW5B-CARBON-20250716	PCB	30.04	N/A	RUPESH	Evelyn	10	B		3
Q2649-01	WC-1	PCB	30.07	N/A	RUPESH	Evelyn	10	E		4
Q2649-01MS	WC-1MS	PCB	30.03	N/A	RUPESH	Evelyn	10	E		5
Q2649-01MS D	WC-1MSD	PCB	30.05	N/A	RUPESH	Evelyn	10	E		6
Q2649-05	WC-2	PCB	30.03	N/A	RUPESH	Evelyn	10	E		U3-1
Q2649-09	WC-3	PCB	30.01	N/A	RUPESH	Evelyn	10	E		2
Q2649-13	WC-4	PCB	30.05	N/A	RUPESH	Evelyn	10	E		3
Q2649-17	WC-5	PCB	30.04	N/A	RUPESH	Evelyn	10	E		4
Q2649-21	WC-6	PCB	30.07	N/A	RUPESH	Evelyn	10	E		5
Q2651-01	MH 2-1	PCB	30.08	N/A	RUPESH	Evelyn	10	B		6
Q2651-02	MH 6-5	PCB	30.02	N/A	RUPESH	Evelyn	10	B		U6-1
Q2651-03	MH 7-6	PCB	30.07	N/A	RUPESH	Evelyn	10	B		2
Q2651-04	MH 8-7	PCB	30.02	N/A	RUPESH	Evelyn	10	B		3
Q2651-05	MH 9-8	PCB	30.04	N/A	RUPESH	Evelyn	10	B		4
Q2658-01	PAD-072125-1	PCB	30.06	N/A	RUPESH	Evelyn	10	D	Concrete	5
Q2658-02	PAD-072125-2	PCB	30.02	N/A	RUPESH	Evelyn	10	D	Concrete	6
Q2660-01	MOO-25-0205	PCB	30.01	N/A	RUPESH	Evelyn	10	D	Small Particle	U1-1
Q2660-03	MOO-25-0218	PCB	5.06	N/A	RUPESH	Evelyn	10	D	Oily Debris	2

* Extracts relinquished on the same date as received.

DATE: 07/22/25

Initiated by: Y.P.

Fraction: PCB

Reason: ✓ Low Surrogate Recovery

Other _____

Samples affected:	Matrix	Sample Date	Prep. Batch	Extra Sample Yes No	Verified By	New Prep. Batch

Q2645-02 solid, 07/16/25 168927 yes ps 16168946

Rs 22

Extraction Supervisor Signature: RS Date: 7/22/25

Form Initiator's Signature: Y.P. Date: 07/22/20

16891891
a.w

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2649 WorkList ID : 190863 Department : Extraction Date : 07-22-2025 09:00:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	PCB	Cool 4 deg C	TETR06	O41	07/16/2025	8082A
Q2649-01	WC-1	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/18/2025	8082A
Q2649-05	WC-2	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/18/2025	8082A
Q2649-09	WC-3	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/18/2025	8082A
Q2649-13	WC-4	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/18/2025	8082A
Q2649-17	WC-5	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/18/2025	8082A
Q2649-21	WC-6	Solid	PCB	Cool 4 deg C	PSEG03	D41	07/18/2025	8082A
Q2651-01	MH 2-1	Solid	PCB	Cool 4 deg C	EARTH03	O22	07/17/2025	8082A
Q2651-02	MH 6-5	Solid	PCB	Cool 4 deg C	EARTH03	O22	07/17/2025	8082A
Q2651-03	MH 7-6	Solid	PCB	Cool 4 deg C	EARTH03	O22	07/17/2025	8082A
Q2651-04	MH 8-7	Solid	PCB	Cool 4 deg C	EARTH03	O22	07/17/2025	8082A
Q2651-05	MH 9-8	Solid	PCB	Cool 4 deg C	EARTH03	O22	07/17/2025	8082A
Q2658-01	PAD-072125-1	Solid	PCB	Cool 4 deg C	PSEG03	D31	07/21/2025	8082A
Q2658-02	PAD-072125-2	Solid	PCB	Cool 4 deg C	PSEG03	D31	07/21/2025	8082A
Q2660-01	MOO-25-0205	Solid	PCB	Cool 4 deg C	PSEG03	D31	07/21/2025	8082A
Q2660-03	MOO-25-0218	Solid	PCB	Cool 4 deg C	PSEG03	D31	07/21/2025	8082A

Date/Time 7/22/25 9:35
Raw Sample Received by: Et (Bat lab)
Raw Sample Relinquished by: [Signature]

Date/Time 7/22/25 10:05
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: Et (Bat lab)

Prep Standard - Chemical Standard Summary

Order ID : Q2651

Test : PCB

Prepbatch ID : PB168946,

Sequence ID/Qc Batch ID: po072225,pq072325,

Standard ID :

EP2610,EP2625,EP2627,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24650,PP24663,

Chemical ID :

E3551,E3804,E3877,E3940,E3944,E3949,E3950,E3951,E3956,M6157,P11522,P12699,P12702,P12931,P12936,P12949,P12950,P12957,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13786,P13830,P13878,P13883,W3112,W3177,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025
<u>FROM</u>	1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2625	07/15/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/15/2025
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

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>
230	1:1ACETONE/HEXANE	EP2627	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000ml of E3949 + 4000.00000ml of E3950 = Final Quantity: 8000.000 ml

<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	PP24650	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 0.50000ml of P12950 + 99.50000ml of E3940 = Final Quantity: 100.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025
<u>FROM</u> 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	91867 / Aroclor 1232 100 ug/mL	020823	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12699

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	x9166 / Aroclor 1262 100 ug/mL	060523	09/18/2025	03/18/2025 / yogesh	08/07/2023 / Ankita	P12702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	09/18/2025	03/18/2025 / yogesh	12/07/2023 / Ankita	P12936

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	09/18/2025	03/18/2025 / yogesh	12/20/2023 / Yogesh	P12949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	12/16/2025	06/16/2025 / Abdul	12/20/2023 / Yogesh	P12950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Aroclor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	09/18/2025	03/18/2025 / yogesh	05/03/2024 / Abdul	P13381

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13589

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	09/18/2025	03/18/2025 / yogesh	10/14/2024 / Ankita	P13591

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0215270	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0217391	09/18/2025	03/18/2025 / yogesh	12/09/2024 / Ankita	P13830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0220950	09/18/2025	03/18/2025 / yogesh	01/23/2025 / Ankita	P13883

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177



**PRODUCTOS
QUÍMICOS
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

Harout Sahagian E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP on 6/11/25

E3940

J. Croak

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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

Reel on 7/2/25

E3949

J. Croak

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Recd on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**[™]



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

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/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

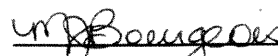
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED WEIGHT REPORT

Part Number: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent(
Aceton

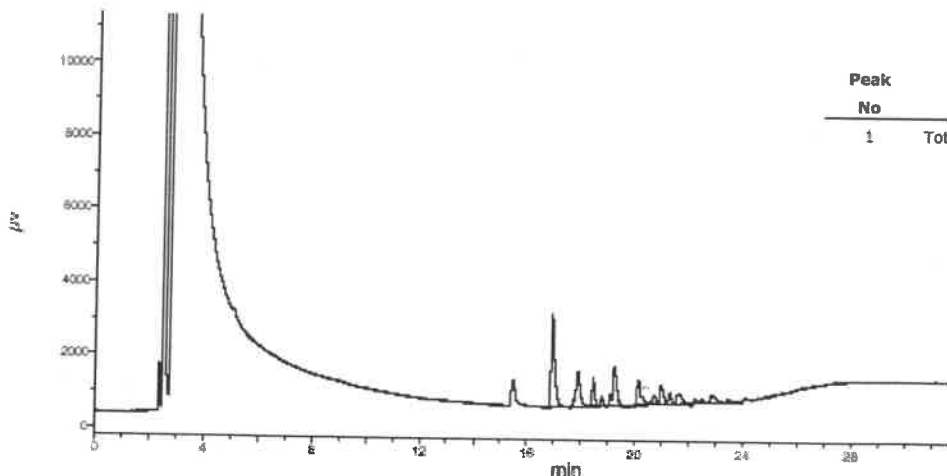
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc ($\mu\text{g/mL}$)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5 μm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5 μL , Range=3





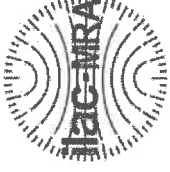
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32009 **Lot No.:** A0203672

Description: Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

p12928

→

p12932

AJ

12/27/23

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:

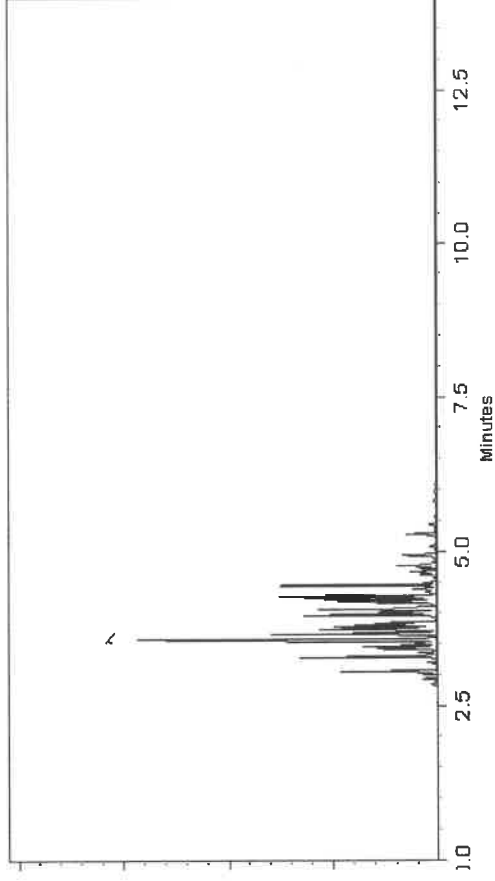
ECD

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

Russ Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial #

B442140311

Jennifer Polino

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



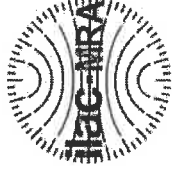
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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

P1219697
P1219697
A1
12104123

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:

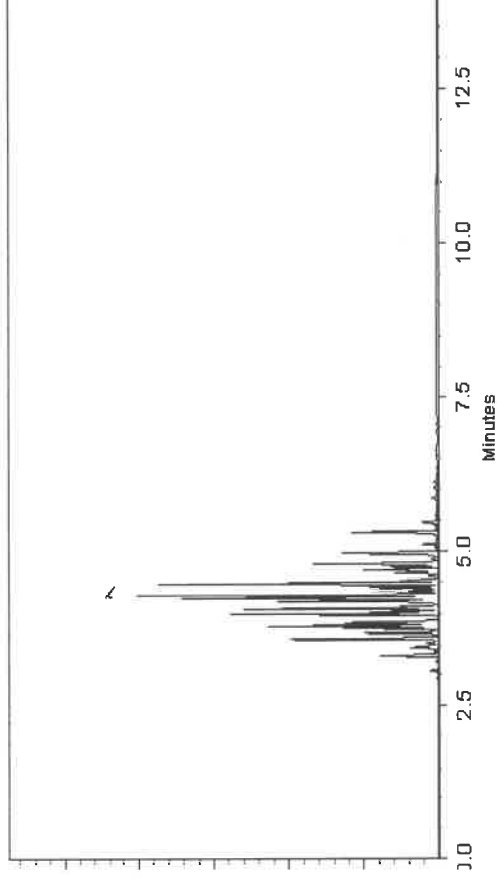
ECD

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

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

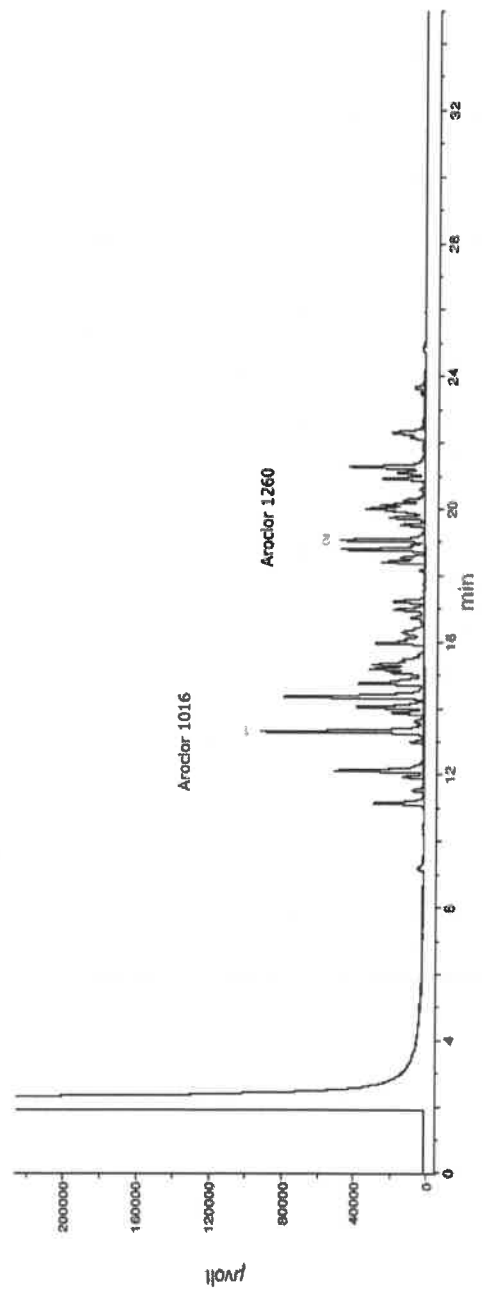
Nominal Conc (µg/mL):
200.0

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

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.

Solvent(s): Iso-octane
Lot#: 82227

Formulated By: Anthony Mahoney	121823	DATE
Reviewed By: Pedro L. Rentas	121823	DATE

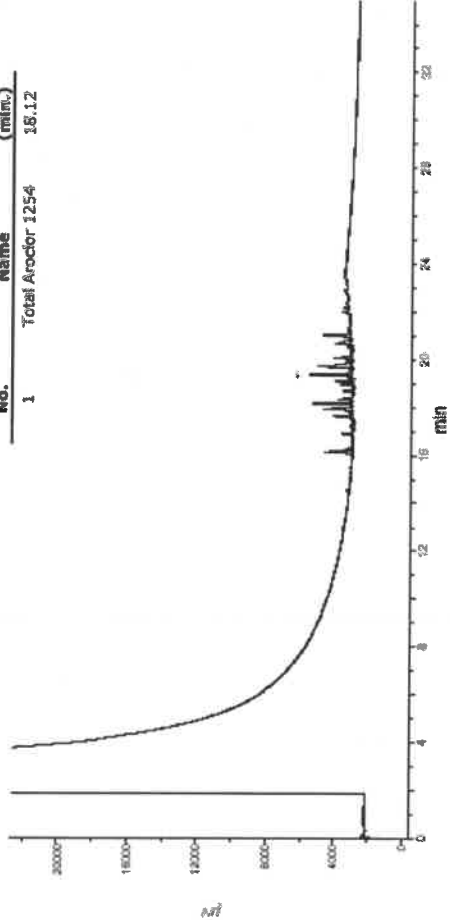
P12956 / Y.P.
12/18/23
P12957

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Initial Uncertainty	Pipette (mL)	Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information		
											(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA) LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)		or-rat 1295mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150 °C (Time 1 = 4 min), Temp 2 = 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 = EDAQ Channel 1
Standard injection = 1.5µL, Range=3

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

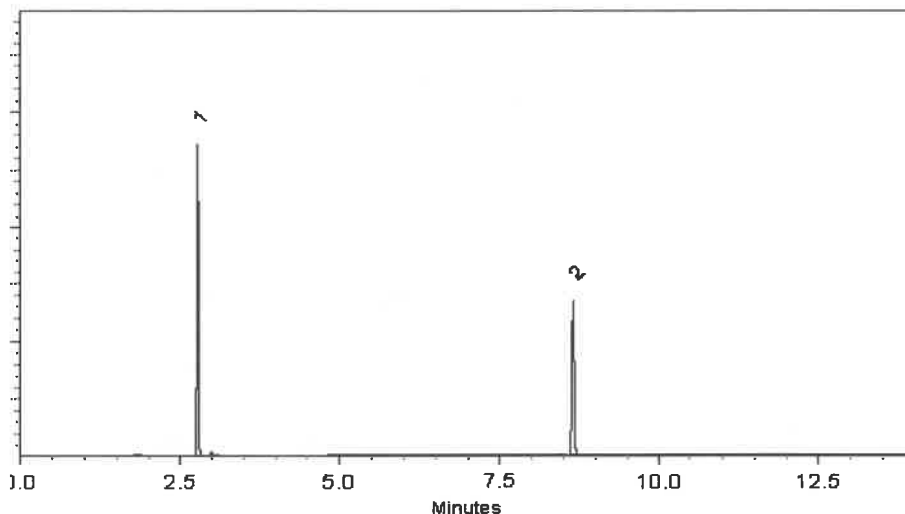
ECD

Split Vent:

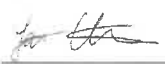
10 ml/min.

Inj. Vol

1µl

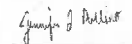


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

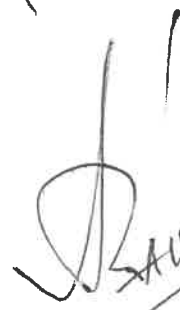
Balance Serial # 1128360905


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

P 13348
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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.

P13342
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P13343

Page: 1 of 2

CSD-QA-015.2

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

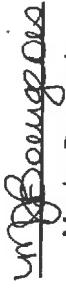
ISO 17025
Cert No. AT-1937



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

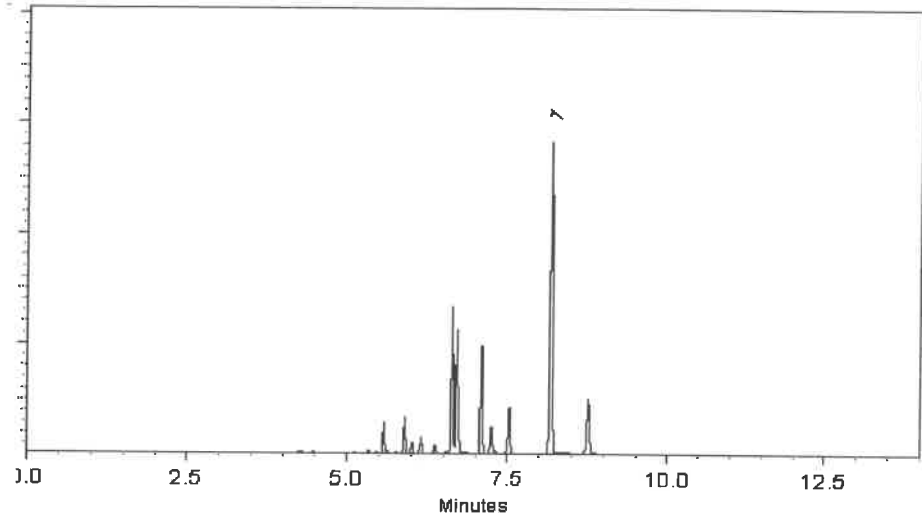
ECD

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

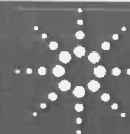
Date Passed: 09-Feb-2024

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# 95T215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1248 Standard

Lot Number: 0006726317

Product Number: PP-342-1

Lot Issue Date: 27-Jan-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 28-Feb-2031

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1248	100.3 ±	0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591
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P13592

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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



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

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P13701 } Y.P.
10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

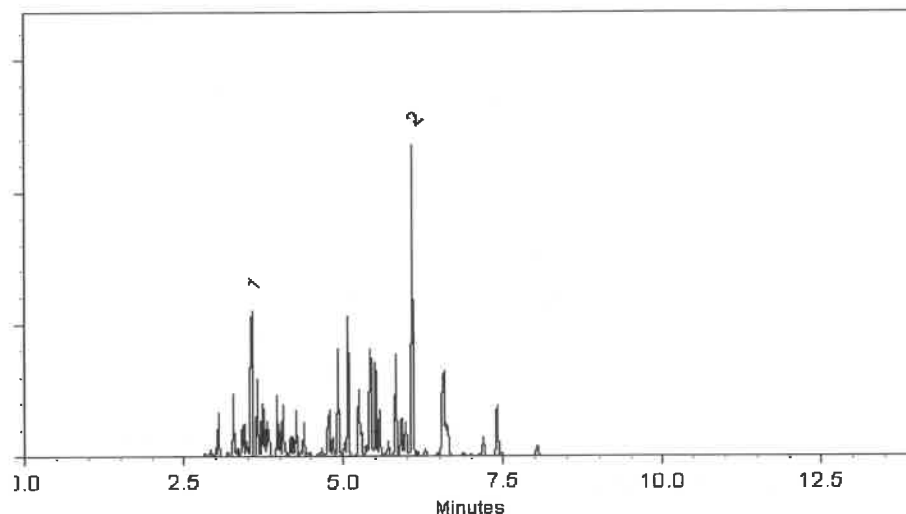
ECD

Split Vent:

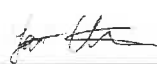
10 ml/min.

Inj. Vol

0.2µl

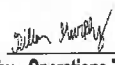


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B442140311


Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0215270

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13902
P13703 } Y.P.
10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	14969200	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

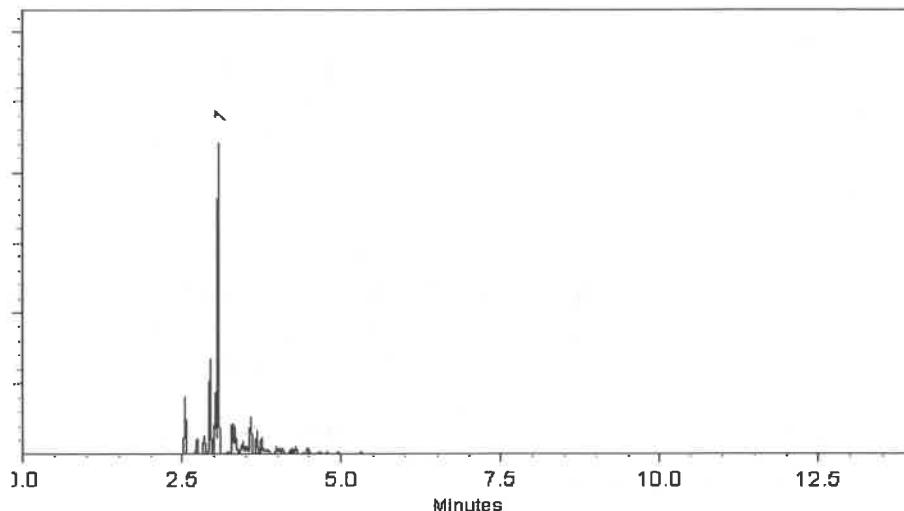
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 16-Aug-2024

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



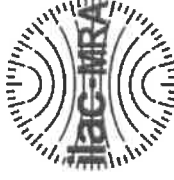
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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
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11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x 25mm x 2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

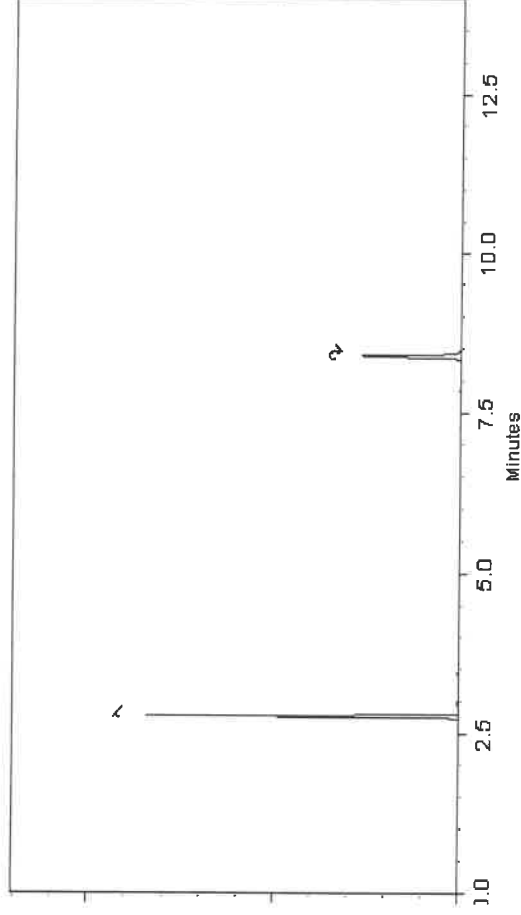
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

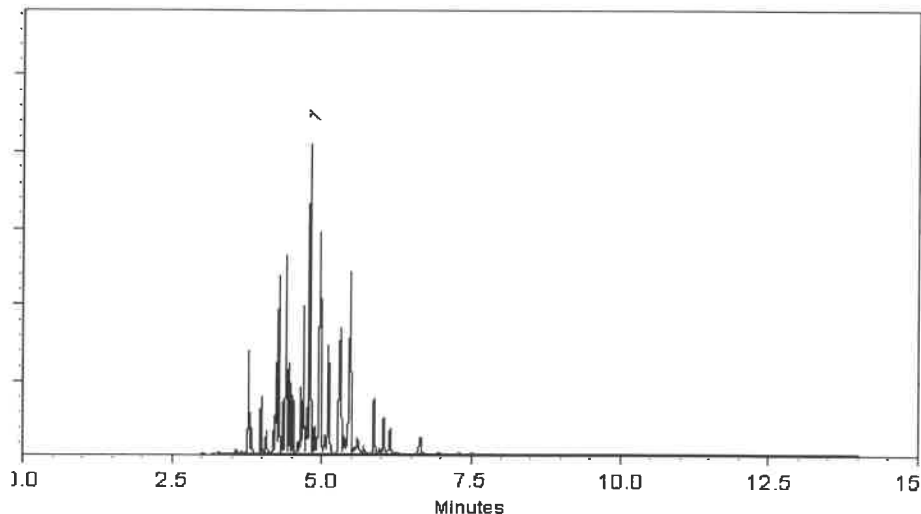
ECD

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008

Lot No.: A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : March 31, 2031

Storage: 25°C nominal

Handling:

This product contains PCBs.

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	---%	1,007.0 µg/mL	+/- 55.8810

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:

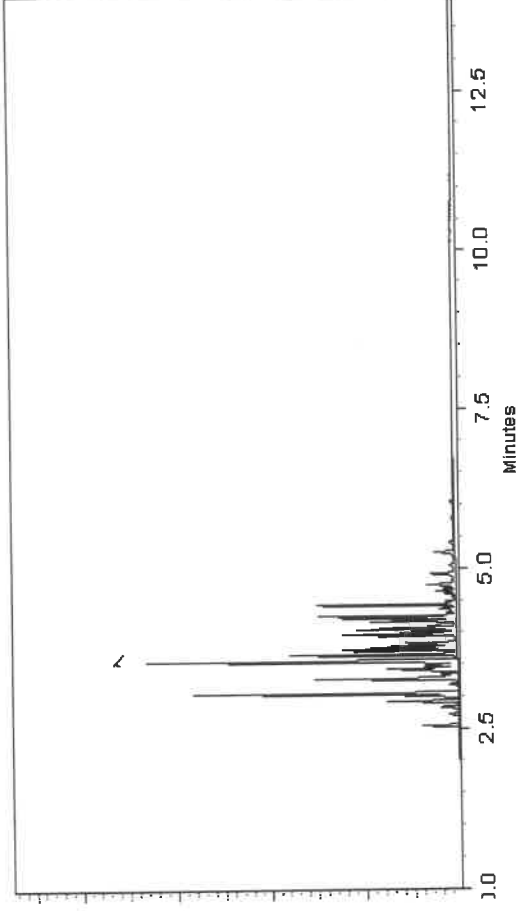
ECD

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



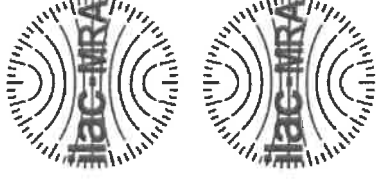
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32409 **Lot No.:** 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%

* Expanded Uncertainty displayed in same units as Grav. Conc.

P13882



AJ
01/28/25

P13883

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:

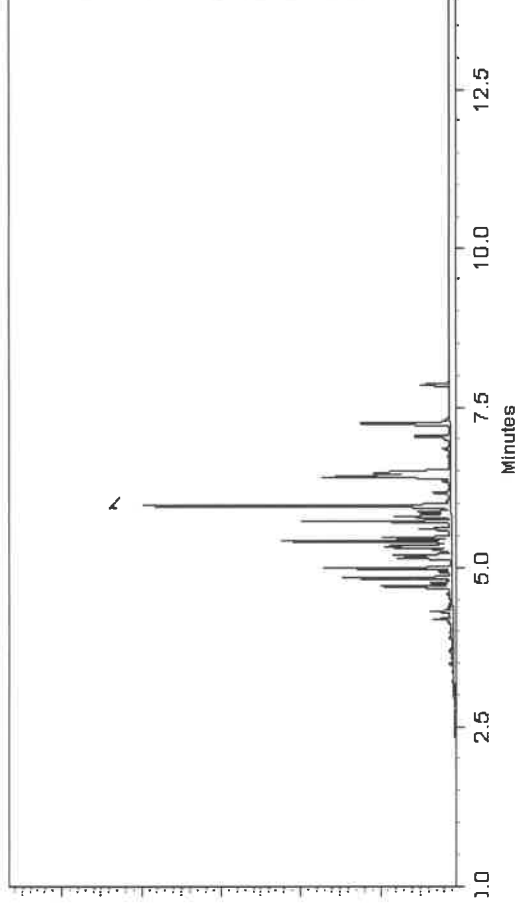
ECD

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 Federenko - Operations Tech I

Date Passed: 14-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	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

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Earth Engineering Inc
ADDRESS: 403 Commerce Lane
CITY West Berlin STATE: NJ ZIP: 08091
ATTENTION: Frank Dougherty
PHONE: 856-768-1001 FAX:

PROJECT NAME: Leon Avenue
PROJECT NO.: 38642 LOCATION: NJ
PROJECT MANAGER: Frank Dougherty
e-mail: frankd@earthengineering.com
PHONE: FAX:

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. TCL+30/TAL
2. EPH
3.
4.
5.
6.
7.
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	MH 2-1	So.1		X	7/17/25	9:20	2	X	X									
2.	MH 6-5			X		9:55	2	X	X									
3.	MH 7-6			X		10:30	2	X	X									
4.	MH 8-7			X		10:50	2	X	X									
5.	MH 9-8			X		11:30	2	X	X									
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: <u>[Signature]</u>	DATE/TIME: <u>7-18-2025</u>	RECEIVED BY: <u>[Signature]</u>	7/18/25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>1-8°C</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		Comments:
2.		2.		
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		
3.		3.		

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 : Q2651	EARTH03	Order Date : 7/18/2025 2:29:11 PM	Project Mgr :
Client Name : Earth Engineering Inc.		Project Name : Leon Avenue 38648	Report Type : Level 1
Client Contact : Frank Dougherty, LSRP		Receive DateTime : 7/18/2025 1:40:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Earth Engineering Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Frank Dougherty, LSRP			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2651-01	MH 2-1	Solid	07/17/2025	09:20					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-02	MH 6-5	Solid	07/17/2025	09:55					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-03	MH 7-6	Solid	07/17/2025	10:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-04	MH 8-7	Solid	07/17/2025	10:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-05	MH 9-8	Solid	07/17/2025	11:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	

Relinquished By : CP

Date / Time : 7/18/25 15:15

Received By : Sam

Date / Time : 07/18/25

Storage Area : VOA Refridgerator Room