

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

LAB CHRONICLE

OrderID: Q3569
Client: Remington & Vernick Engineers
Contact: Kyle Carlson

OrderDate: 11/6/2025 3:21:00 PM
Project: Edison Landfill
Location: J22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3569-01	MW-2	WATER	PCB	8082A	11/05/25	11/11/25	11/11/25	11/06/25
Q3569-02	MW-12	WATER	PCB	8082A	11/05/25	11/11/25	11/11/25	11/06/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3569

Order ID: Q3569

Client: Remington & Vernick Engineers

Project ID: Edison Landfill

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.: Q3569

Client: Remington & Vernick Engineers

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO114870.D	PIBLK-PO114870.D	Tetrachloro-m-xyl	1	20	15.5	77		70 (60)	130 (140)
		Decachlorobiphen	1	20	16.8	84		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.2	81		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.3	86		70 (60)	130 (140)
I.BLK-PO115014.D	PIBLK-PO115014.D	Tetrachloro-m-xyl	1	20	19.8	99		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.8	99		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.9	100		70 (60)	130 (140)
		Decachlorobiphen	2	20	21.7	108		70 (60)	130 (140)
PB170484BL	PB170484BL	Tetrachloro-m-xyl	1	20	23.3	117		30 (30)	150 (173)
		Decachlorobiphen	1	20	23.3	117		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	23.5	118		30 (30)	150 (173)
		Decachlorobiphen	2	20	25.5	128		30 (10)	150 (173)
PB170484BS	PB170484BS	Tetrachloro-m-xyl	1	20	24.5	123		30 (30)	150 (173)
		Decachlorobiphen	1	20	24.5	122		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	22.5	113		30 (30)	150 (173)
		Decachlorobiphen	2	20	26.8	134		30 (10)	150 (173)
PB170484BSD	PB170484BSD	Tetrachloro-m-xyl	1	20	24.3	121		30 (30)	150 (173)
		Decachlorobiphen	1	20	24.4	122		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	22.8	114		30 (30)	150 (173)
		Decachlorobiphen	2	20	26.1	130		30 (10)	150 (173)
Q3569-01	MW-2	Tetrachloro-m-xyl	1	20	24.4	122		30 (30)	150 (173)
		Decachlorobiphen	1	20	16.2	81		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	24.2	121		30 (30)	150 (173)
		Decachlorobiphen	2	20	17.4	87		30 (10)	150 (173)
Q3569-02	MW-12	Tetrachloro-m-xyl	1	20	23.9	120		30 (30)	150 (173)
		Decachlorobiphen	1	20	20.6	103		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	24.9	125		30 (30)	150 (173)
		Decachlorobiphen	2	20	22.0	110		30 (10)	150 (173)
I.BLK-PO115029.D	PIBLK-PO115029.D	Tetrachloro-m-xyl	1	20	19.5	97		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.6	98		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.5	97		70 (60)	130 (140)
		Decachlorobiphen	2	20	20.7	103		70 (60)	130 (140)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3569</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>PO115016.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170484BS (Column 1)	AR1016	5	4.10	ug/L	82				40 (77)	140 (107)	
	AR1260	5	4.00	ug/L	80				40 (66)	140 (113)	
PB170484BS (Column 2)	AR1016	5	4.00	ug/L	80				40 (77)	140 (107)	
	AR1260	5	3.90	ug/L	78				40 (66)	140 (113)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3569</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>PO115017.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170484BSD (Column 1)	AR1016	5	4.20	ug/L	84	2			40 (77)	140 (107)	20 (20)
	AR1260	5	4.00	ug/L	80	0			40 (66)	140 (113)	20 (20)
PB170484BSD (Column 2)	AR1016	5	4.10	ug/L	82	2			40 (77)	140 (107)	20 (20)
	AR1260	5	3.90	ug/L	78	0			40 (66)	140 (113)	20 (20)

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170484BL

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3569

Lab Sample ID: PB170484BL

Lab File ID: PO115015.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/11/2025

Date Analyzed (1): 11/11/2025

Date Analyzed (2): 11/11/2025

Time Analyzed (1): 17:21

Time Analyzed (2): 17:21

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
PB170484BS	PB170484BS	PO115016.D	11/11/2025	11/11/2025
PB170484BSD	PB170484BSD	PO115017.D	11/11/2025	11/11/2025
MW-2	Q3569-01	PO115020.D	11/11/2025	11/11/2025
MW-12	Q3569-02	PO115021.D	11/11/2025	11/11/2025

COMMENTS: _____



SAMPLE DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/05/25
Project:	Edison Landfill	Date Received:	11/06/25
Client Sample ID:	MW-2	SDG No.:	Q3569
Lab Sample ID:	Q3569-01	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	485 mL	Test:	PCB
Prep Method:	3510C	Final Vol:	5000 uL
		Prep Date:	11/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.10	U	1	0.10	0.52	ug/L	11/11/25 18:53	PB170484
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.52	ug/L	11/11/25 18:53	PB170484
11141-16-5	Aroclor-1232	0.099	U	1	0.099	0.52	ug/L	11/11/25 18:53	PB170484
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.52	ug/L	11/11/25 18:53	PB170484
12672-29-6	Aroclor-1248	0.073	U	1	0.073	0.52	ug/L	11/11/25 18:53	PB170484
11097-69-1	Aroclor-1254	0.097	U	1	0.097	0.52	ug/L	11/11/25 18:53	PB170484
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.52	ug/L	11/11/25 18:53	PB170484
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.52	ug/L	11/11/25 18:53	PB170484
11096-82-5	Aroclor-1260	0.084	U	1	0.084	0.52	ug/L	11/11/25 18:53	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.4			30 (30) - 150 (173)	122%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.4			30 (10) - 150 (173)	87%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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\PO111125\
Data File : PO115020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 18:53
Operator : YP/AJ
Sample : Q3569-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MW-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:23:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.649	171.5E6	107.9E6	24.370	24.166
2) SA Decachlor...	9.932	8.640	71684476	67944131	16.217	17.405

Target Compounds

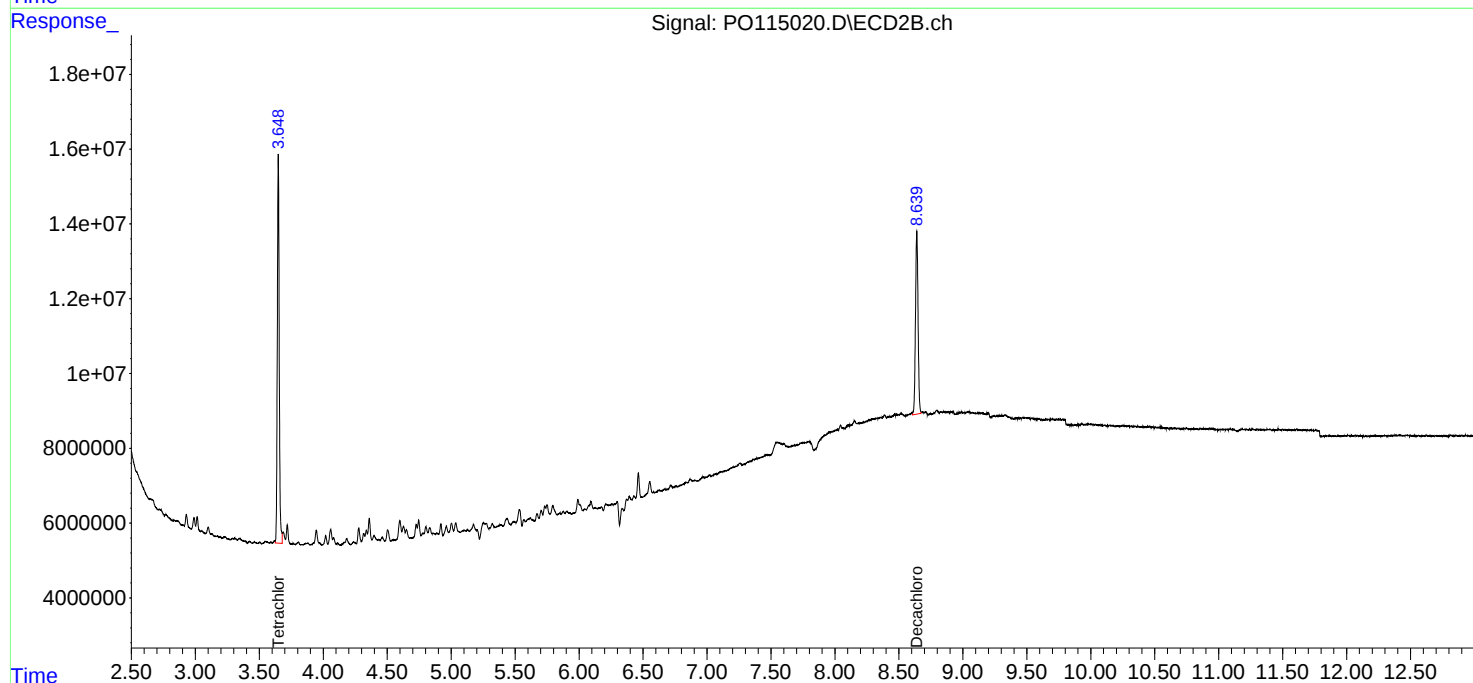
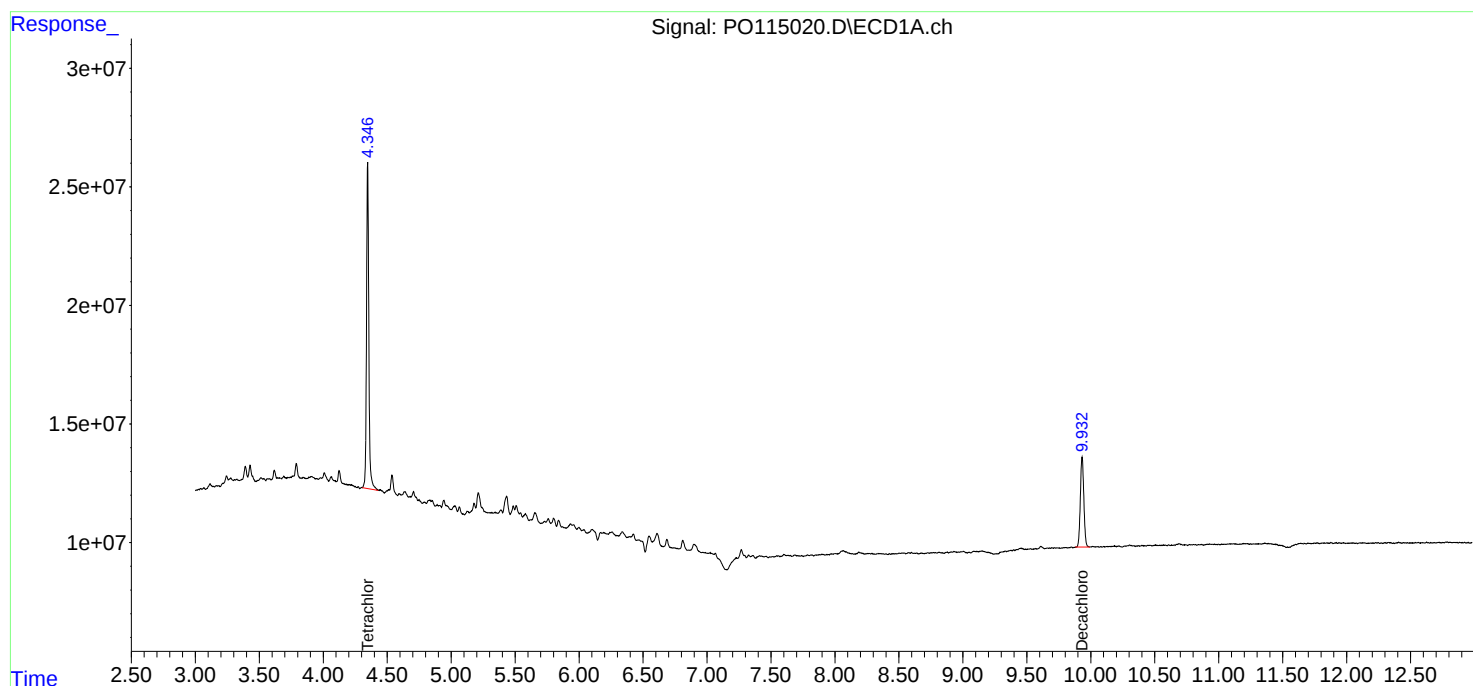
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

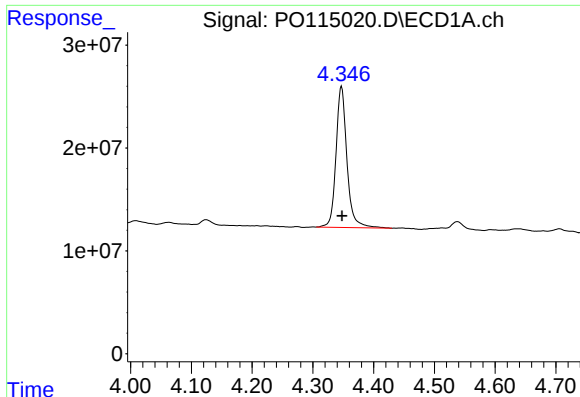
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO111125\
Data File : PO115020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 18:53
Operator : YP/AJ
Sample : Q3569-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MW-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:23:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

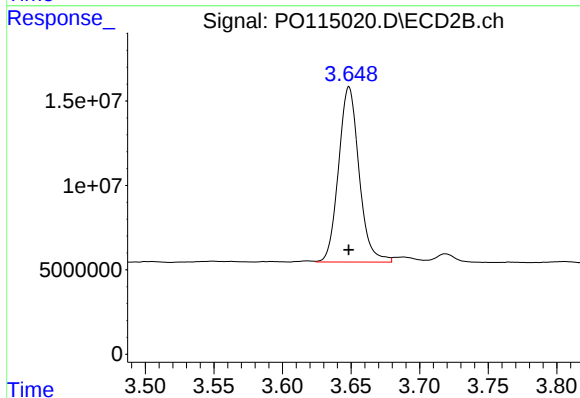




#1 Tetrachloro-m-xylene

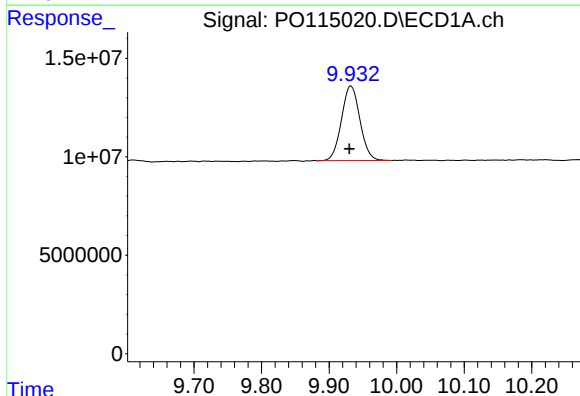
R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 171515650
Conc: 24.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
MW-2



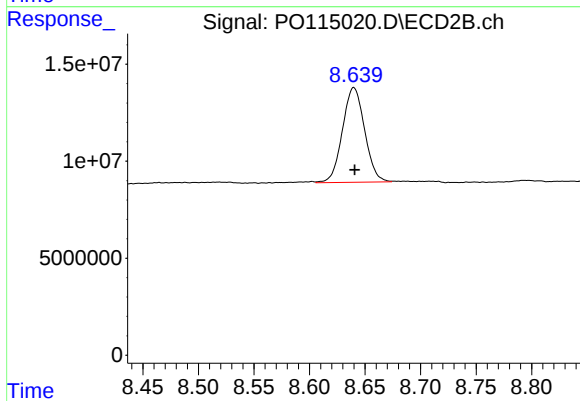
#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: 0.000 min
Response: 107944058
Conc: 24.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.932 min
Delta R.T.: 0.002 min
Response: 71684476
Conc: 16.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 67944131
Conc: 17.40 ng/ml



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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/05/25
Project:	Edison Landfill	Date Received:	11/06/25
Client Sample ID:	MW-12	SDG No.:	Q3569
Lab Sample ID:	Q3569-02	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	475 mL	Test:	PCB
Prep Method:	3510C	Final Vol:	5000 uL
	Prep Date:	11/11/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.10	U	1	0.10	0.53	ug/L	11/11/25 19:11	PB170484
11104-28-2	Aroclor-1221	0.14	U	1	0.14	0.53	ug/L	11/11/25 19:11	PB170484
11141-16-5	Aroclor-1232	0.10	U	1	0.10	0.53	ug/L	11/11/25 19:11	PB170484
53469-21-9	Aroclor-1242	0.13	U	1	0.13	0.53	ug/L	11/11/25 19:11	PB170484
12672-29-6	Aroclor-1248	0.075	U	1	0.075	0.53	ug/L	11/11/25 19:11	PB170484
11097-69-1	Aroclor-1254	0.099	U	1	0.099	0.53	ug/L	11/11/25 19:11	PB170484
37324-23-5	Aroclor-1262	0.15	U	1	0.15	0.53	ug/L	11/11/25 19:11	PB170484
11100-14-4	Aroclor-1268	0.12	U	1	0.12	0.53	ug/L	11/11/25 19:11	PB170484
11096-82-5	Aroclor-1260	0.085	U	1	0.085	0.53	ug/L	11/11/25 19:11	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.9			30 (30) - 150 (173)	125%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.0			30 (10) - 150 (173)	110%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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\PO111125\
Data File : PO115021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 19:11
Operator : YP/AJ
Sample : Q3569-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MW-12

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:24:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.648	168.3E6	111.3E6	23.920	24.916
2) SA Decachlor...	9.931	8.640	91258759	85788353	20.646	21.975

Target Compounds

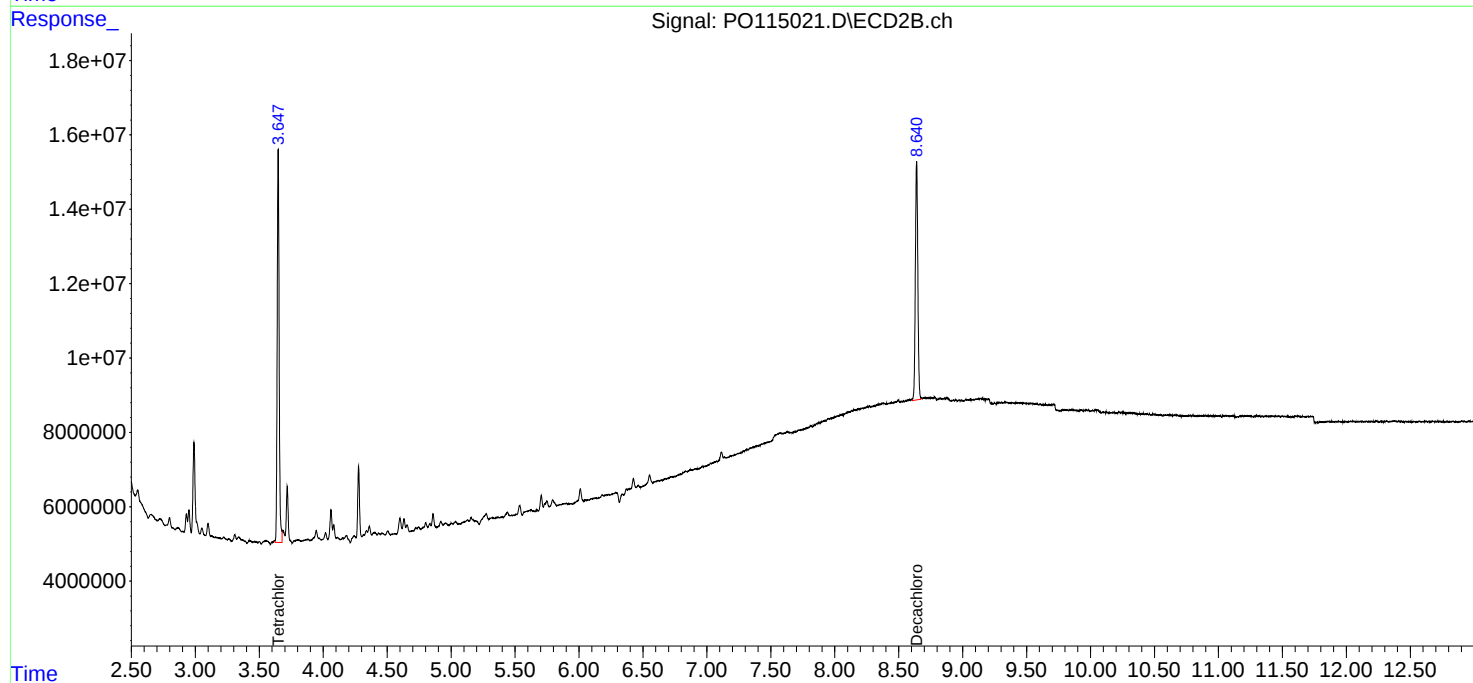
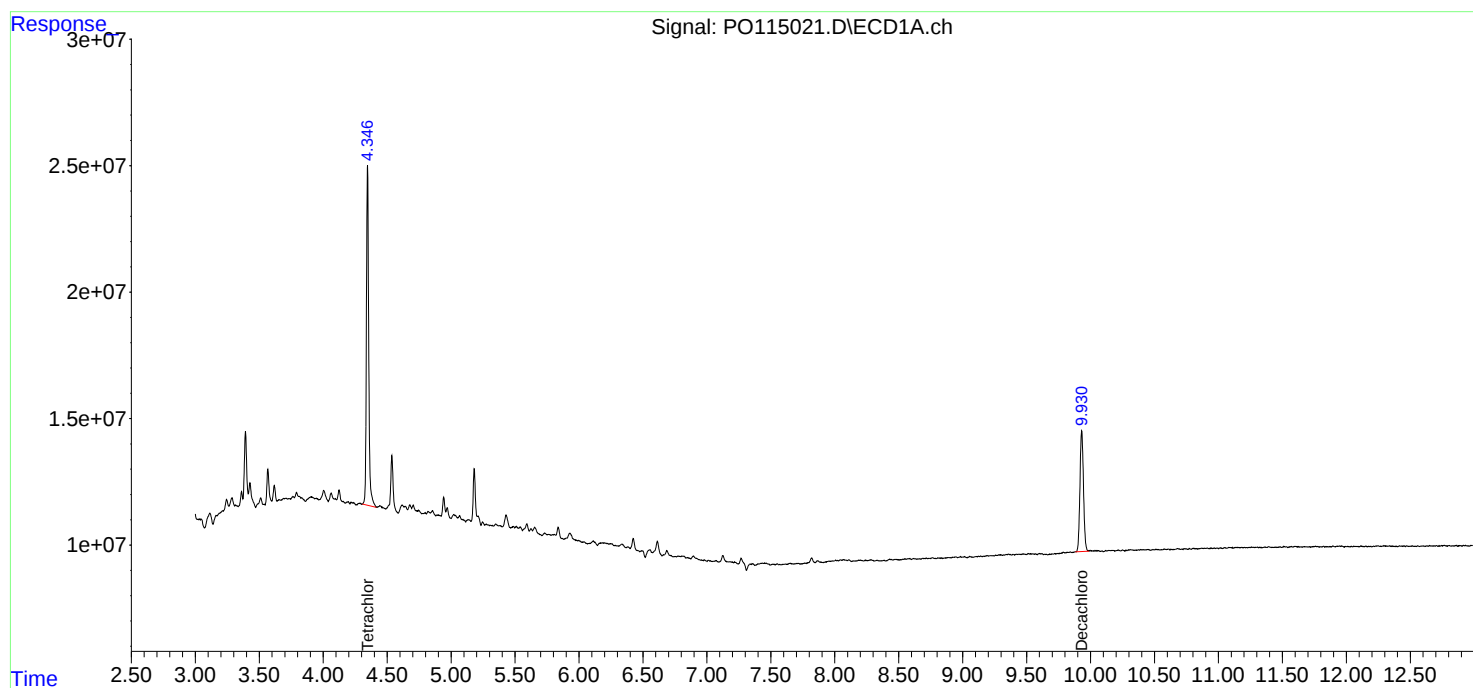
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

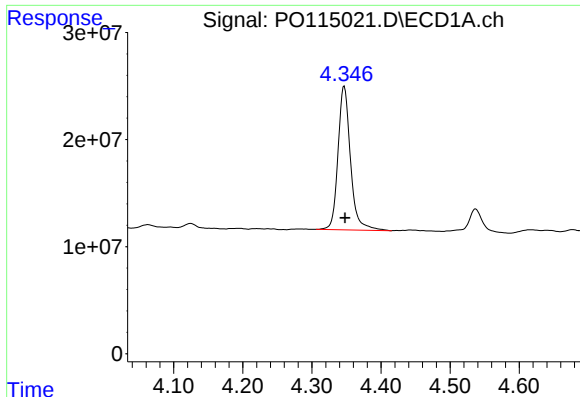
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 19:11
Operator : YP/AJ
Sample : Q3569-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MW-12

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:24:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

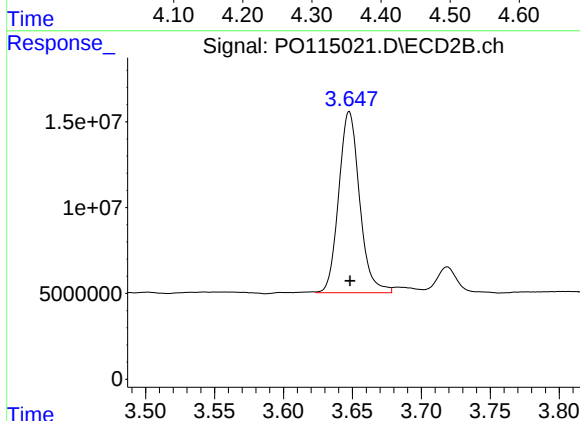




#1 Tetrachloro-m-xylene

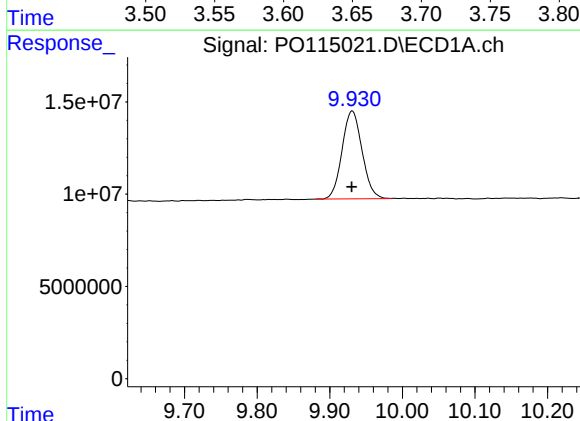
R.T.: 4.347 min
Delta R.T.: -0.001 min
Response: 168348923
Conc: 23.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
MW-12



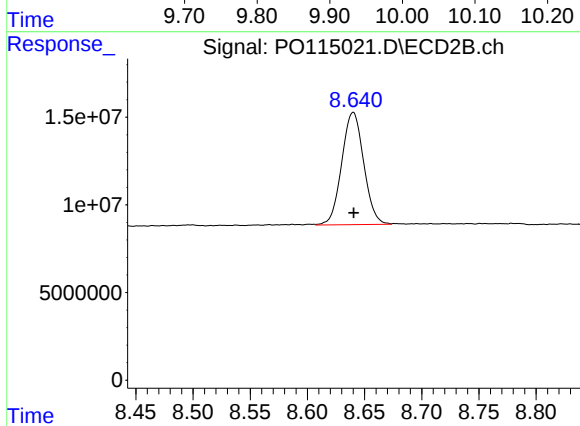
#1 Tetrachloro-m-xylene

R.T.: 3.648 min
Delta R.T.: 0.000 min
Response: 111292762
Conc: 24.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 91258759
Conc: 20.65 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 85788353
Conc: 21.98 ng/ml



CALIBRATION SUMMARY

Calibration Times: 09:39 18:31

LAB FILE ID: RT 1000 = PO114871.D RT 750 = PO114872.D
RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

[illegible]

[illegible]

Calibration Times: 09:39 18:31

LAB FILE ID: RT 1000 = PO114871.D RT 750 = PO114872.D
RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

[illegible]

[illegible]



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: REMI02
SDG NO.: Q3569

Calibration Date(s): 11/04/2025 11/04/2025
Calibration Times: 09:39 18:31

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

LAB FILE ID:		CF 1000 = <u>PO114871.D</u>		CF 750 = <u>PO114872.D</u>				
CF 500 = <u>PO114873.D</u>		CF 250 = <u>PO114874.D</u>		CF 050 = <u>PO114875.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	235183609	242405119	252300612	252330724	247880040	246020021	3
Aroclor-1016-2	(2)	380671765	391174169	403435360	408228592	401844700	397070917	3
Aroclor-1016-3	(3)	214892716	220811199	230510330	231508016	217282560	223000964	3
Aroclor-1016-4	(4)	180735079	184273587	191842228	192742164	194782360	188875084	3
Aroclor-1016-5	(5)	166479276	173610481	179587174	180772736	190536000	178197133	5
Aroclor-1260-1	(1)	291080181	301659089	311914366	329562032	293951540	305633442	5
Aroclor-1260-2	(2)	393658847	402595176	414352186	418536840	350242960	395877202	7
Aroclor-1260-3	(3)	331096941	340266576	347857958	348147780	291720640	331817979	7
Aroclor-1260-4	(4)	303823322	310642864	321126472	321507392	268000240	305020058	7
Aroclor-1260-5	(5)	714393776	724690244	737226162	719415648	670367440	713218654	3
Decachlorobiphenyl		4451734610	4516548787	4612561720	4524869360	3995527600	4420248415	6
Tetrachloro-m-xylene		7020403280	7162783533	7307727940	7156075200	6543618600	7038121711	4
Aroclor-1242-1	(1)	180395803	184480117	189796832	192180524	184350480	186240751	2
Aroclor-1242-2	(2)	290607708	295647931	305830174	302003732	299791360	298776181	2
Aroclor-1242-3	(3)	164449629	167684461	173929682	174410736	176369820	171368866	3
Aroclor-1242-4	(4)	136844790	140633719	146402846	139660276	152376540	143183634	4
Aroclor-1242-5	(5)	138362947	141839337	145002188	138385972	141196180	140957325	2
Decachlorobiphenyl		4729850460	4804993427	4858375920	4746069120	4160138600	4659885505	6
Tetrachloro-m-xylene		7348004600	7445204373	7532777260	7262019280	6694579200	7256516943	5
Aroclor-1248-1	(1)	130126160	135244476	137909000	141742196	154206600	139845686	6
Aroclor-1248-2	(2)	182893435	187680161	194064692	196392780	211353600	194476934	5
Aroclor-1248-3	(3)	203368877	206306241	213983954	212927108	217587500	210834736	3
Aroclor-1248-4	(4)	240181487	246210361	255848644	255957264	264773260	252594203	4
Aroclor-1248-5	(5)	225312398	230738423	239469078	240115800	243213880	235769916	3
Decachlorobiphenyl		4590720290	4647354867	4744288880	4661202760	4211361200	4570985599	5
Tetrachloro-m-xylene		7316541360	7442934853	7528054520	7402608560	7218400400	7381707939	2
Aroclor-1254-1	(1)	240591852	247416493	258765478	257075152	263299240	253429643	3
Aroclor-1254-2	(2)	346021204	353529297	371589652	368897016	412184820	370444398	7
Aroclor-1254-3	(3)	372893964	380446979	397009938	384293176	389678940	384864599	2
Aroclor-1254-4	(4)	315539209	321424513	336840998	326904952	342871860	328716306	3
Aroclor-1254-5	(5)	295373361	300690525	312155076	300474784	300573260	301853401	2
Decachlorobiphenyl		4791769470	4896862187	5061968640	4831244600	4661831200	4848735219	3
Tetrachloro-m-xylene		7410585440	7526809333	7802184660	7481754040	7408041400	7525874975	2
Aroclor-1268-1	(1)	876279188	885717404	893041022	887529864	813508780	871215252	4



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	748334854	756337347	765525536	759915712	702804360	746583562	3
Aroclor-1268-3	(3)	663299706	672085827	679866912	671661004	617886840	660960058	4
Aroclor-1268-4	(4)	274155738	277531193	282310020	282161716	286808980	280593529	2
Aroclor-1268-5	(5)	1966581606	1979440064	1985729368	1956798376	1807416340	1939193151	4
Decachlorobiphenyl		8288385350	8396434587	8504946880	8419357920	7722111200	8266247187	4
Tetrachloro-m-xylene		7475792880	7636683133	7655291620	7597134240	7121440400	7497268455	3



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: REMI02
SDG NO.: Q3569

Calibration Date(s): 11/04/2025 11/04/2025
Calibration Times: 09:39 18:31

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

LAB FILE ID:		CF 1000 = <u>PO114871.D</u>		CF 750 = <u>PO114872.D</u>			
CF 500 = <u>PO114873.D</u>		CF 250 = <u>PO114874.D</u>		CF 050 = <u>PO114875.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	178795127	185535456	193106802	200932132	192907960	190255495
Aroclor-1016-2	(2)	260787154	267435697	277593168	286495324	262010880	270864445
Aroclor-1016-3	(3)	140310175	144533207	150201526	154962192	149858780	147973176
Aroclor-1016-4	(4)	108607533	112021955	117721682	122827936	125909940	117417809
Aroclor-1016-5	(5)	142235561	147493437	153611756	157990124	162236540	152713484
Aroclor-1260-1	(1)	272865489	283696256	302549666	306994580	314431380	296107474
Aroclor-1260-2	(2)	410849028	420744668	440173148	441650472	436738740	430031211
Aroclor-1260-3	(3)	328919579	344471297	362206406	366201912	353957800	351151399
Aroclor-1260-4	(4)	295043629	302500340	313130718	316509244	287959420	303028670
Aroclor-1260-5	(5)	819932115	830411719	851082708	846532168	760181660	821628074
Decachlorobiphenyl		3768213910	3862452533	4051635320	3997632280	3839185200	3903823849
Tetrachloro-m-xylene		4444199150	4532189360	4610968540	4573862320	4172678600	4466779594
Aroclor-1242-1	(1)	138347633	144438088	149108388	148877560	150336280	146221590
Aroclor-1242-2	(2)	199908386	204961789	213926082	211880332	205062860	207147890
Aroclor-1242-3	(3)	108216818	112229521	116418372	113485296	109537600	111977521
Aroclor-1242-4	(4)	101919263	105301932	110004430	109236748	109193360	107131147
Aroclor-1242-5	(5)	135980897	140103160	145653410	150301700	142549620	142917757
Decachlorobiphenyl		4093300380	4301738307	4403735460	4338775160	4380898600	4303689581
Tetrachloro-m-xylene		4800115840	4683347560	4961464680	4527345840	4437059000	4681866584
Aroclor-1248-1	(1)	101027399	105625799	111262386	113093188	115539800	109309714
Aroclor-1248-2	(2)	136540550	142594189	148530518	152692968	164144180	148900481
Aroclor-1248-3	(3)	143887712	149887199	155474250	158349236	169440400	155407759
Aroclor-1248-4	(4)	171266913	177666692	184171754	187513908	195642380	183252329
Aroclor-1248-5	(5)	174649655	180220384	187038042	189642400	190092660	184328628
Decachlorobiphenyl		4076042330	4166088587	4290124020	4403270520	4144788800	4216062851
Tetrachloro-m-xylene		4758509080	4829545453	4892334280	4811209560	4727034000	4803726475
Aroclor-1254-1	(1)	275439068	284238351	300243386	299923620	341055960	300180077
Aroclor-1254-2	(2)	245333366	253279232	267984098	268318040	313122940	269607535
Aroclor-1254-3	(3)	398238109	410614839	430545692	426530308	445294740	422244738
Aroclor-1254-4	(4)	284785979	294895399	305027804	301955520	300306220	297394184
Aroclor-1254-5	(5)	385708423	392326712	409498118	398089984	402006780	397526003
Decachlorobiphenyl		4273373360	4367226933	4604811080	4533103920	4272134600	4410129979
Tetrachloro-m-xylene		4791085320	4887004773	5044010700	4876428000	4843036000	4888312959
Aroclor-1268-1	(1)	948830555	965398547	981732904	993582148	991082540	976125339



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	784312077	796694211	811227528	817006596	768929160	795633914	2
Aroclor-1268-3	(3)	672635507	681509284	695723330	696225136	632763280	675771307	4
Aroclor-1268-4	(4)	270862616	275402580	280086838	282372280	267609400	275266743	2
Aroclor-1268-5	(5)	1768544208	1786014605	1818457210	1831952004	1717683400	1784530285	2
Decachlorobiphenyl		7349980390	7437822467	7706201340	7861559120	8321979800	7735508623	5
Tetrachloro-m-xylene		4791521570	4902547960	4915920660	4883273320	4724156000	4843483902	2



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** REMI02
Lab Code: ACE **SDG NO.:** Q3569
Instrument ID: ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.55	4.45	4.65	84124000
		2	4.63	4.53	4.73	60183600
		3	4.71	4.61	4.81	193335000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	150015000
		2	5.22	5.12	5.32	72567400
		3	5.51	5.41	5.61	158675000
		4	5.67	5.57	5.77	73795600
		5	5.76	5.66	5.86	51580600
Aroclor-1262	500	1	7.70	7.60	7.80	453404000
		2	8.23	8.13	8.33	707198000
		3	8.53	8.43	8.63	451420000
		4	8.62	8.52	8.72	336186000
		5	9.24	9.14	9.34	241816000



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** REMI02
Lab Code: ACE **SDG NO.:** Q3569
Instrument ID: ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	61799200
		2	3.95	3.85	4.05	45637000
		3	4.02	3.92	4.12	140257000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	111493000
		2	4.75	4.65	4.85	112095000
		3	4.92	4.82	5.02	59654200
		4	5.01	4.91	5.11	50889000
		5	5.18	5.08	5.28	56587600
Aroclor-1262	500	1	6.76	6.66	6.86	494206000
		2	7.26	7.16	7.36	795090000
		3	7.54	7.44	7.64	329028000
		4	7.61	7.51	7.71	538192000
		5	8.10	8.00	8.20	238020000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114871.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 09:39
 Operator : YP/AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 10:39:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 10:34:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.348	3.649	702.0E6	444.4E6	97.995	98.158
2)	SA Decachlor...	9.931	8.642	445.2E6	376.8E6	98.226	96.376
Target Compounds							
3)	L1 AR-1016-1	5.487	4.728	235.2E6	178.8E6	964.887	961.518
4)	L1 AR-1016-2	5.509	4.747	380.7E6	260.8E6	970.969	968.784
5)	L1 AR-1016-3	5.571	4.922	214.9E6	140.3E6	964.936	965.952
6)	L1 AR-1016-4	5.666	4.964	180.7E6	108.6E6	970.188	959.731
7)	L1 AR-1016-5	5.958	5.176	166.5E6	142.2E6	962.123	961.547
31)	L7 AR-1260-1	7.072	6.207	291.1E6	272.9E6	965.449	948.413
32)	L7 AR-1260-2	7.325	6.394	393.7E6	410.8E6	974.390	965.542
33)	L7 AR-1260-3	7.683	6.547	331.1E6	328.9E6	975.314	951.837
34)	L7 AR-1260-4	7.904	7.018	303.8E6	295.0E6	972.313	970.260
35)	L7 AR-1260-5	8.212	7.259	714.4E6	819.9E6	984.271	981.358

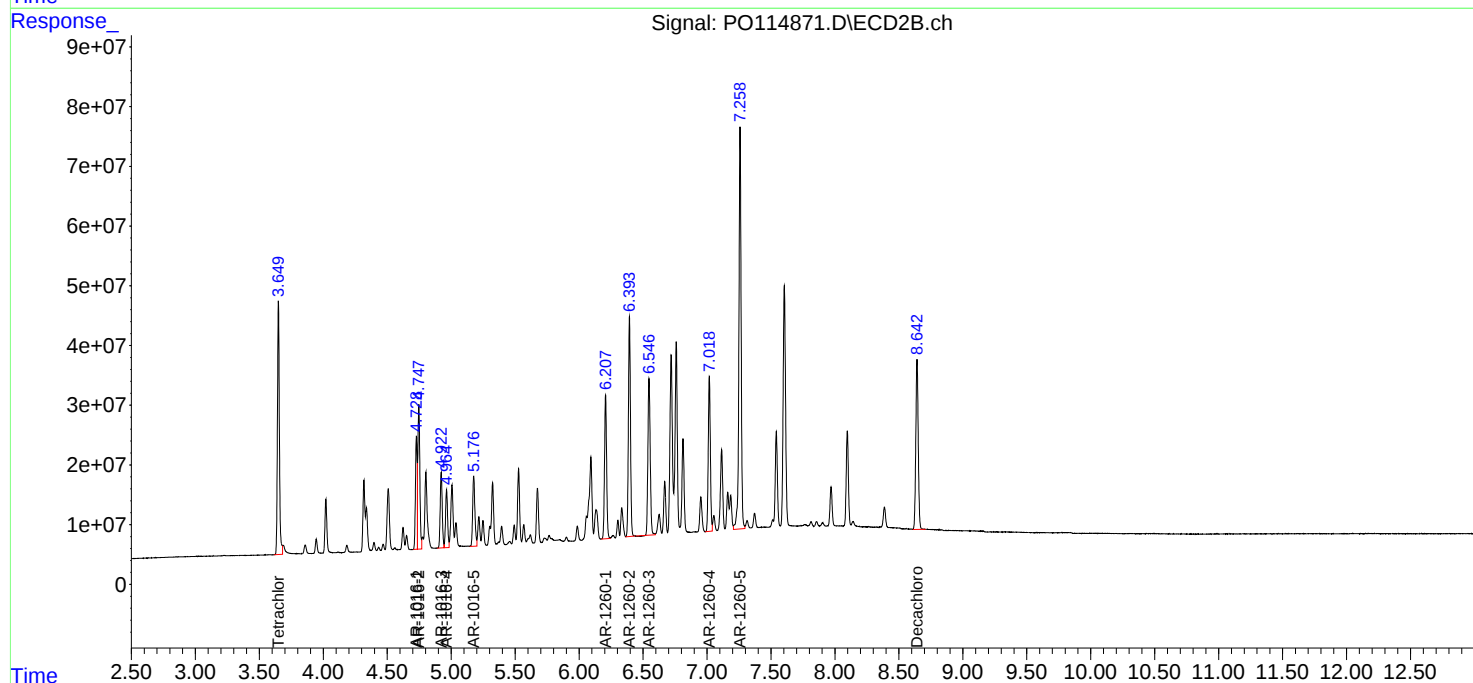
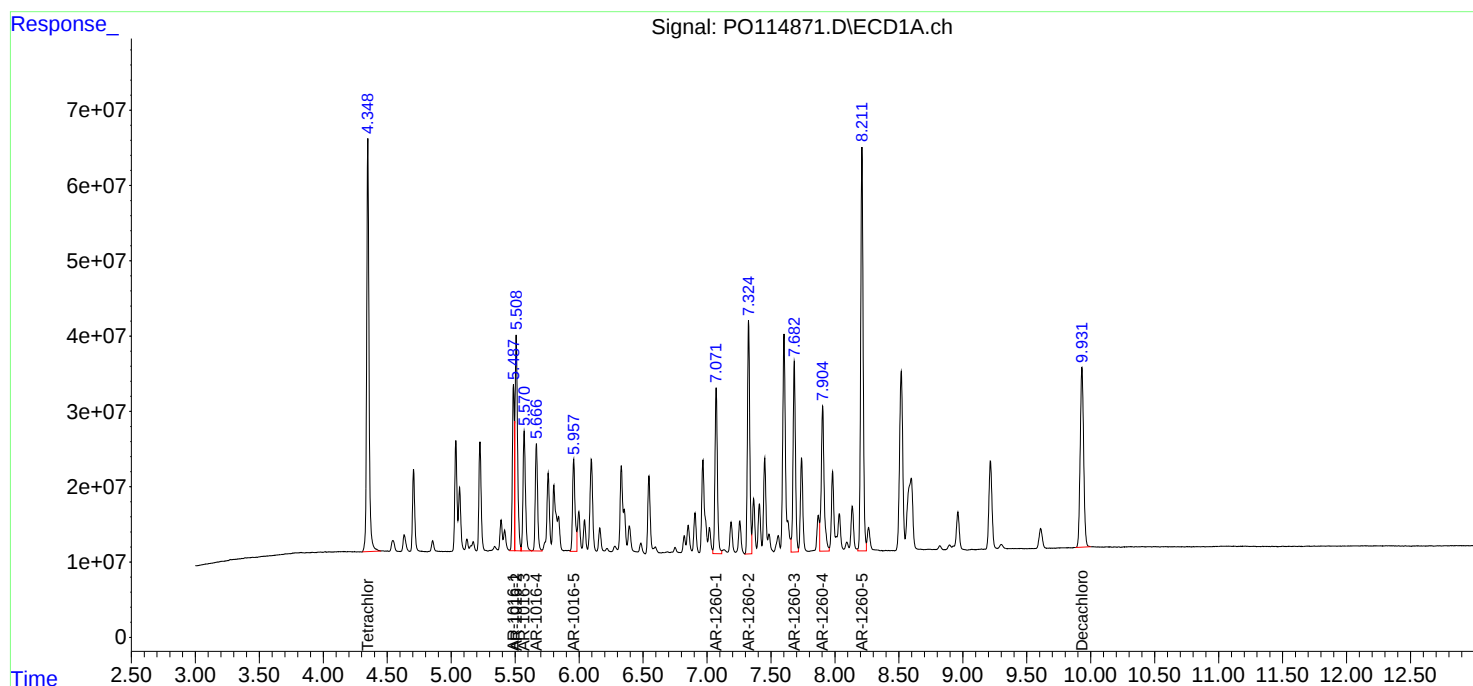
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114871.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 09:39
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 10:39:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 10:34:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114872.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 09:58
 Operator : YP/AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 10:42:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 10:34:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	537.2E6	339.9E6	74.991	75.051
2) SA Decachlor...	9.931	8.642	338.7E6	289.7E6	74.828	74.390
Target Compounds						
3) L1 AR-1016-1	5.486	4.728	181.8E6	139.2E6	747.252	748.882
4) L1 AR-1016-2	5.508	4.747	293.4E6	200.6E6	748.878	746.734
5) L1 AR-1016-3	5.571	4.921	165.6E6	108.4E6	745.744	747.508
6) L1 AR-1016-4	5.666	4.964	138.2E6	84016466	744.572	744.934
7) L1 AR-1016-5	5.958	5.176	130.2E6	110.6E6	751.666	748.544
31) L7 AR-1260-1	7.071	6.206	226.2E6	212.8E6	750.268	742.996
32) L7 AR-1260-2	7.326	6.394	301.9E6	315.6E6	748.253	744.378
33) L7 AR-1260-3	7.683	6.546	255.2E6	258.4E6	751.161	748.419
34) L7 AR-1260-4	7.904	7.017	233.0E6	226.9E6	747.063	747.386
35) L7 AR-1260-5	8.211	7.258	543.5E6	622.8E6	749.228	746.944

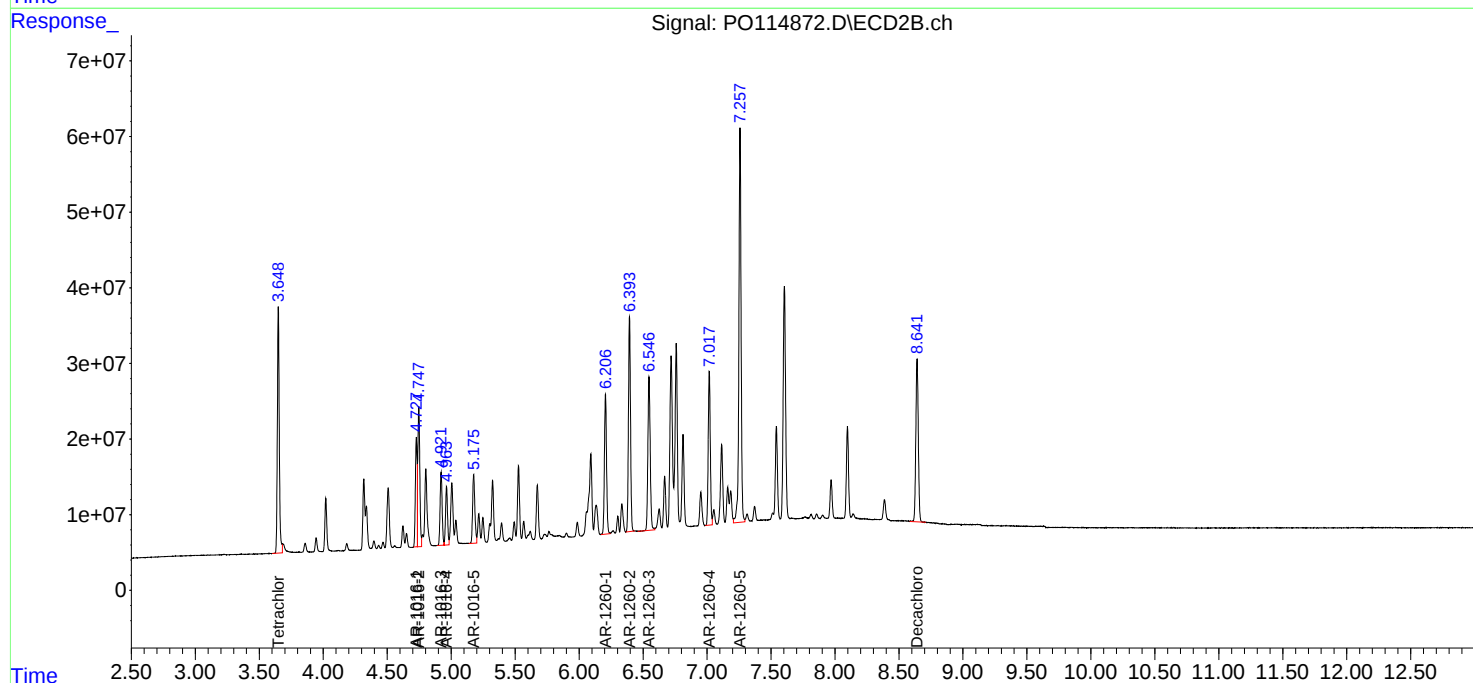
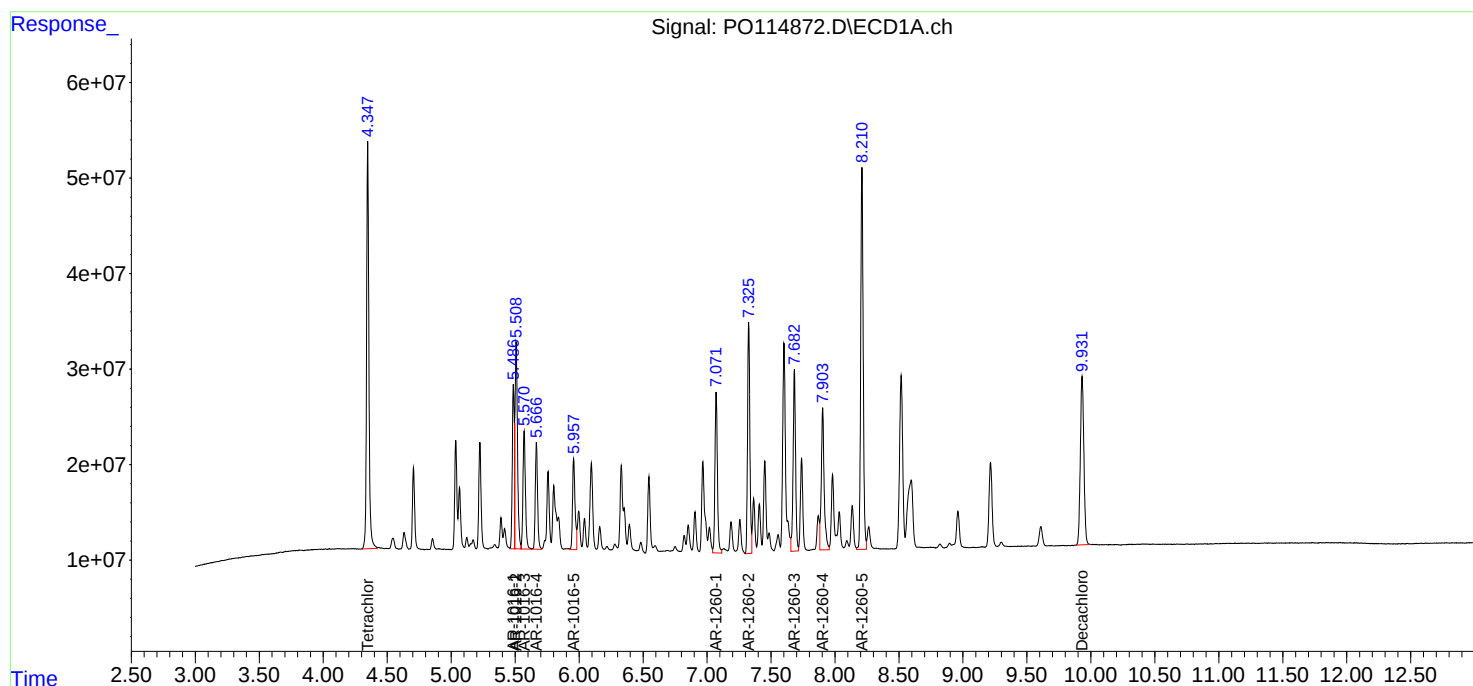
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
Data File : PO114872.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 09:58
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 10:42:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 10:34:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114873.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 10:16
 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: Nov 04 10:36:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 10:34:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.648	365.4E6	230.5E6	50.000	50.000
2) SA Decachlor...	9.930	8.641	230.6E6	202.6E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.487	4.728	126.2E6	96553401	500.000	500.000
4) L1 AR-1016-2	5.508	4.747	201.7E6	138.8E6	500.000	500.000
5) L1 AR-1016-3	5.570	4.921	115.3E6	75100763	500.000	500.000
6) L1 AR-1016-4	5.666	4.964	95921114	58860841	500.000	500.000
7) L1 AR-1016-5	5.958	5.176	89793587	76805878	500.000	500.000
31) L7 AR-1260-1	7.071	6.206	156.0E6	151.3E6	500.000	500.000
32) L7 AR-1260-2	7.325	6.394	207.2E6	220.1E6	500.000	500.000
33) L7 AR-1260-3	7.682	6.546	173.9E6	181.1E6	500.000	500.000
34) L7 AR-1260-4	7.903	7.017	160.6E6	156.6E6	500.000	500.000
35) L7 AR-1260-5	8.210	7.258	368.6E6	425.5E6	500.000	500.000

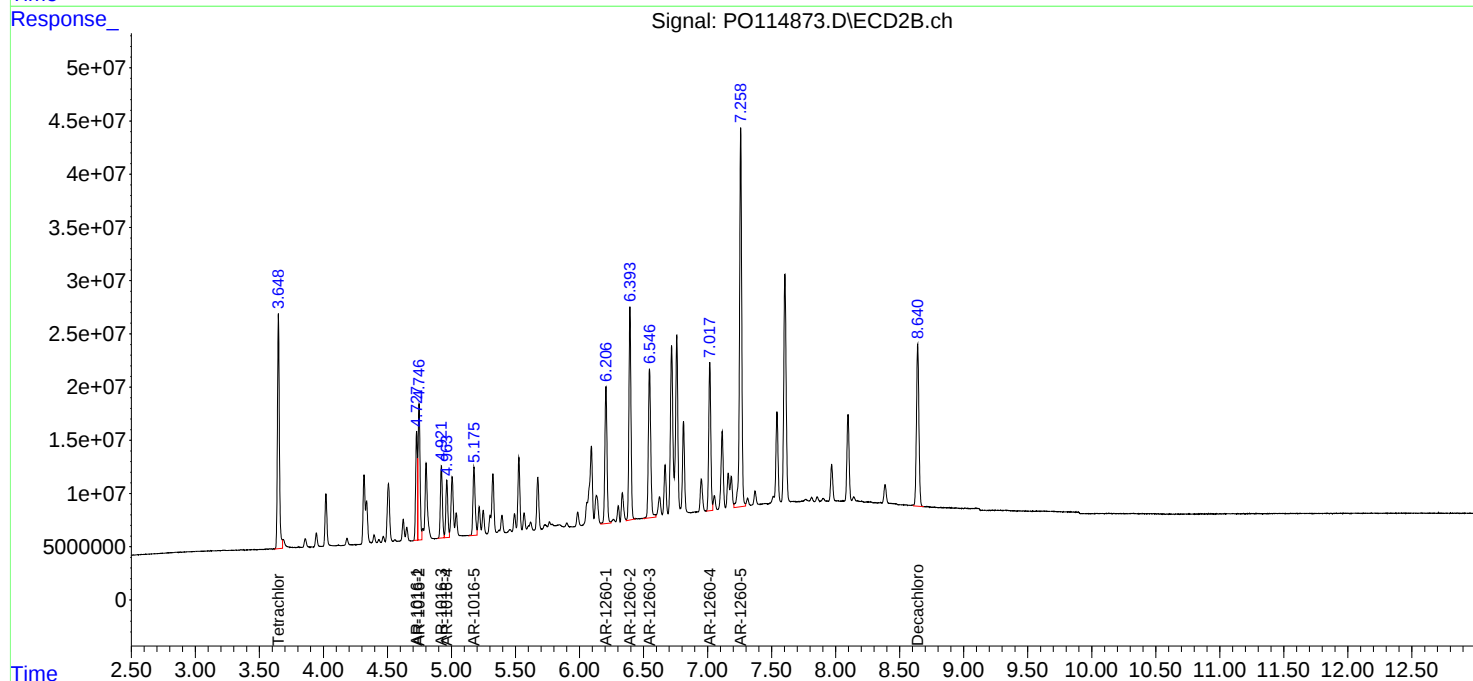
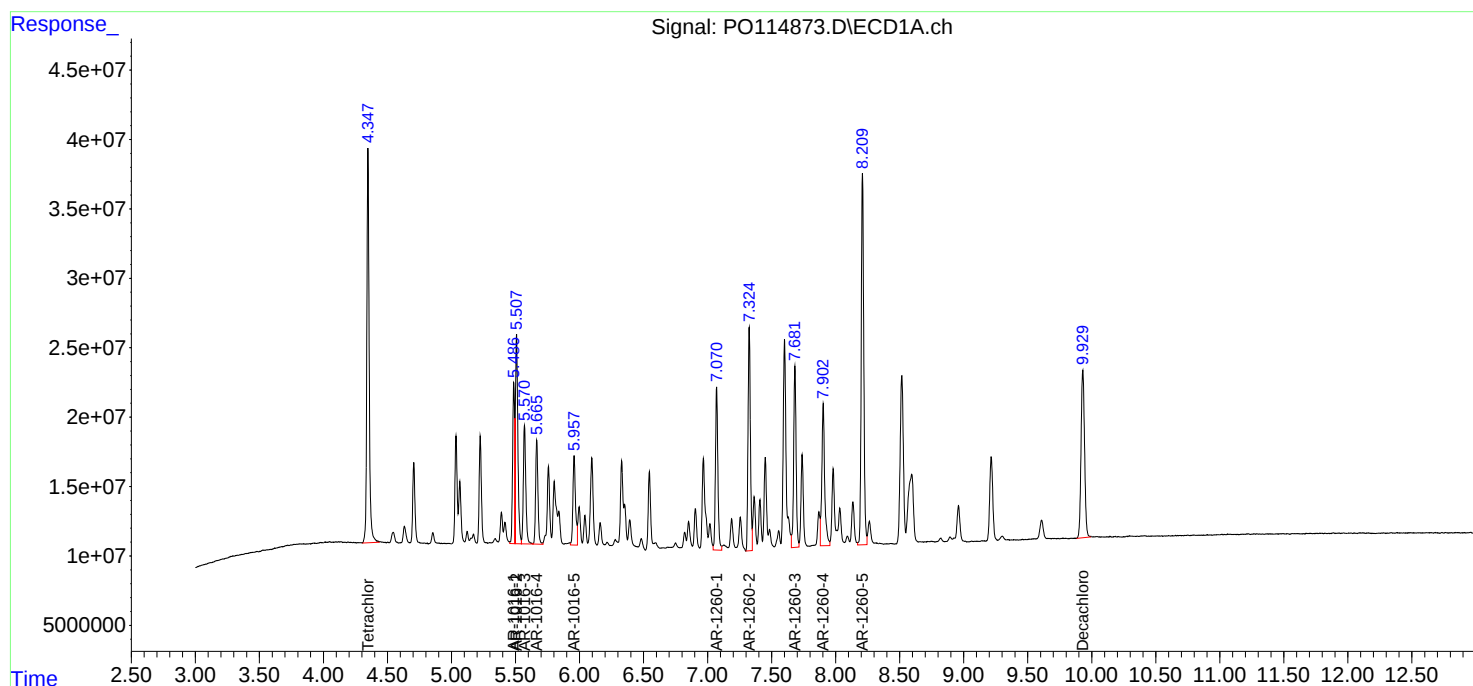
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114873.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 10:16
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: Nov 04 10:36:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 10:34:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114874.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 10:34
 Operator : YP/AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC250

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 10:51:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 10:51:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.348	3.649	178.9E6	114.3E6	24.980	25.185
2)	SA Decachlor...	9.931	8.641	113.1E6	99940807	24.991	25.495
Target Compounds							
3)	L1 AR-1016-1	5.487	4.728	63082681	50233033	256.898	264.953
4)	L1 AR-1016-2	5.508	4.747	102.1E6	71623831	257.800	262.284
5)	L1 AR-1016-3	5.571	4.922	57877004	38740548	257.884	262.645
6)	L1 AR-1016-4	5.666	4.964	48185541	30706984	257.129	266.335
7)	L1 AR-1016-5	5.958	5.176	45193184	39497531	258.081	262.734
31)	L7 AR-1260-1	7.071	6.206	82390508	76748645	267.021	260.958m
32)	L7 AR-1260-2	7.325	6.393	104.6E6	110.4E6	256.906	256.862m
33)	L7 AR-1260-3	7.682	6.546	87036945	91550478	254.611	261.237
34)	L7 AR-1260-4	7.904	7.017	80376848	79127311	255.753	257.915
35)	L7 AR-1260-5	8.211	7.258	179.9E6	211.6E6	248.441	252.850

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114874.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 10:34
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

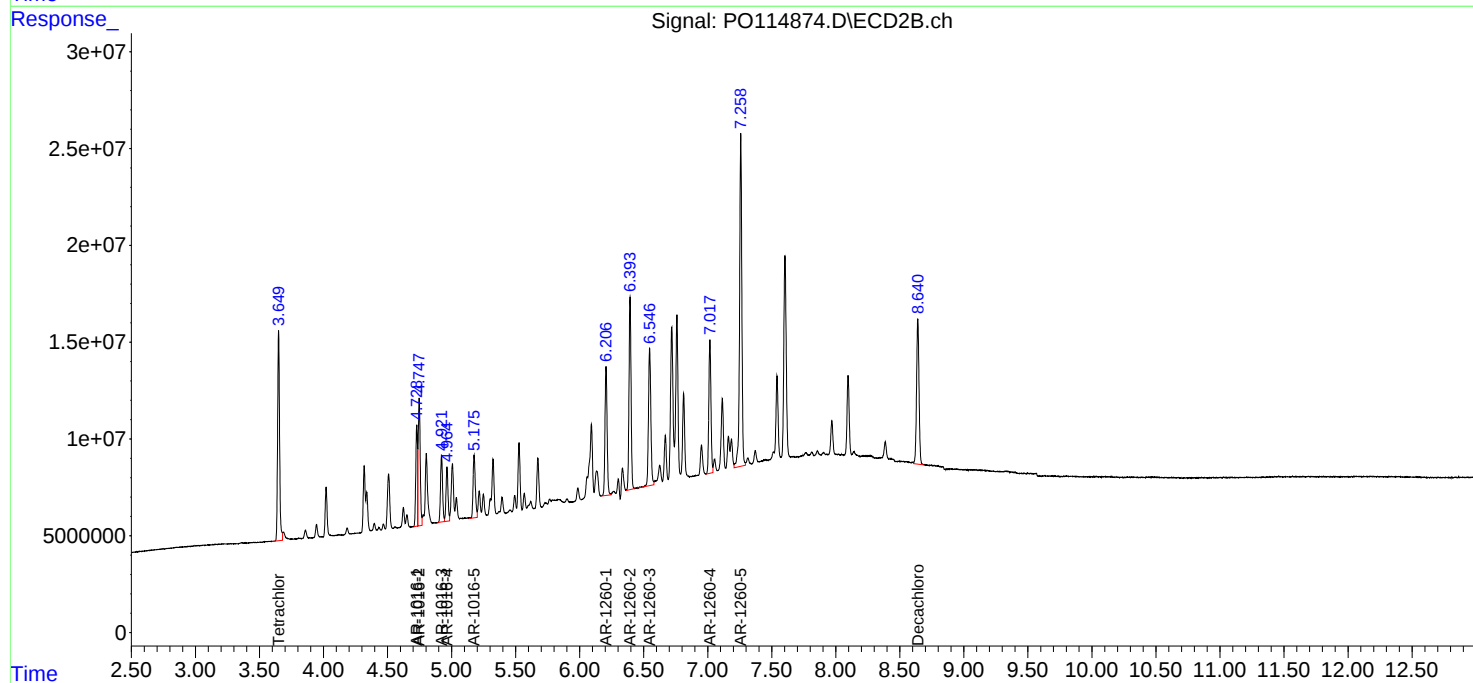
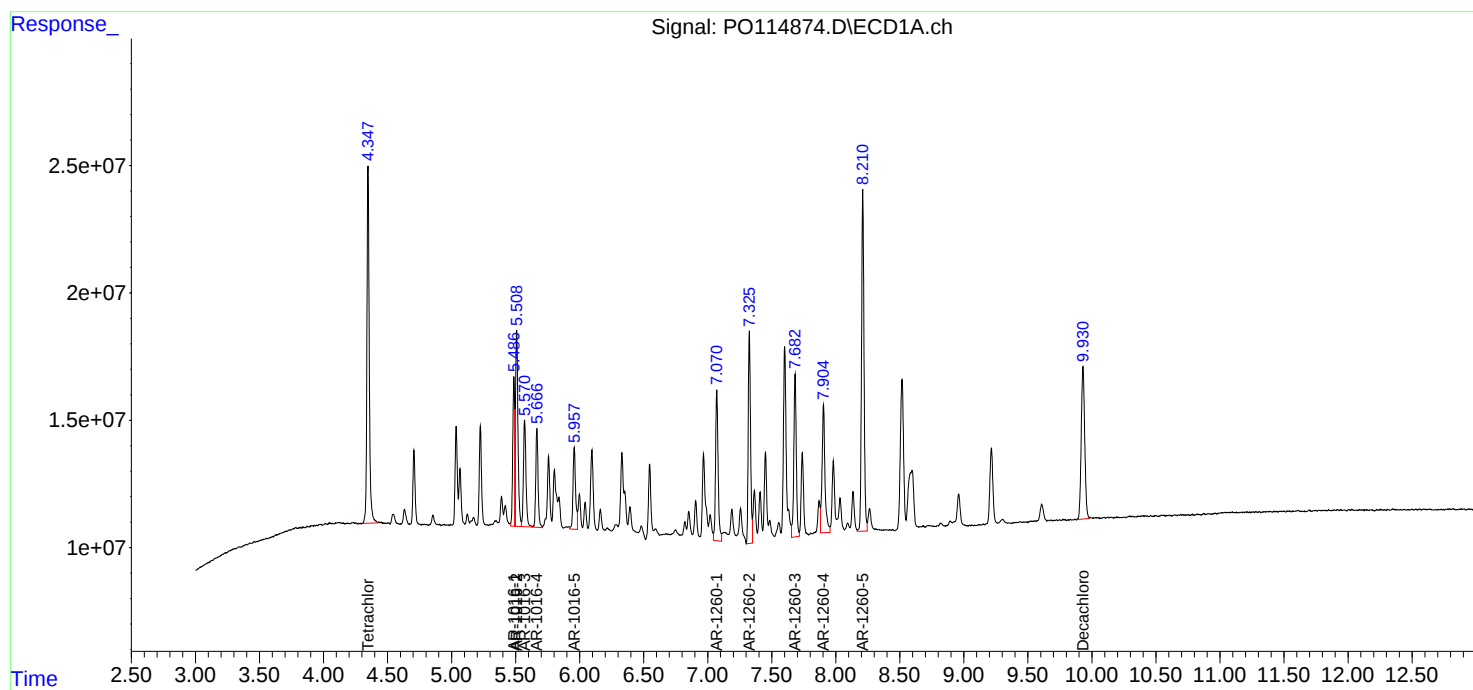
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 10:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 10:51:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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_0\Data\PO110425\
 Data File : PO114875.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 10:53
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 11:09:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 11:09:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	32718093	20863393	4.649	4.671
2) SA Decachlor...	9.933	8.641	19977638	19195926	4.520	4.917
Target Compounds						
3) L1 AR-1016-1	5.487	4.727	12394002	9645398	50.378	50.697
4) L1 AR-1016-2	5.509	4.747	20092235	13100544	50.601	48.366
5) L1 AR-1016-3	5.572	4.921	10864128	7492939	48.718	51.057m
6) L1 AR-1016-4	5.666	4.964	9739118	6295497	51.564	53.616
7) L1 AR-1016-5	5.959	5.175	9526800	8111827	53.462	53.507m
31) L7 AR-1260-1	7.071	6.206	14697577	15721569	48.664m	53.302m
32) L7 AR-1260-2	7.325	6.392	17512148	21836937	45.034m	51.096m
33) L7 AR-1260-3	7.682	6.546	14586032	17697890	44.584m	50.400
34) L7 AR-1260-4	7.904	7.017	13400012	14397971	44.028m	47.514
35) L7 AR-1260-5	8.211	7.258	33518372	38009083	46.996	46.261

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 10:53
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

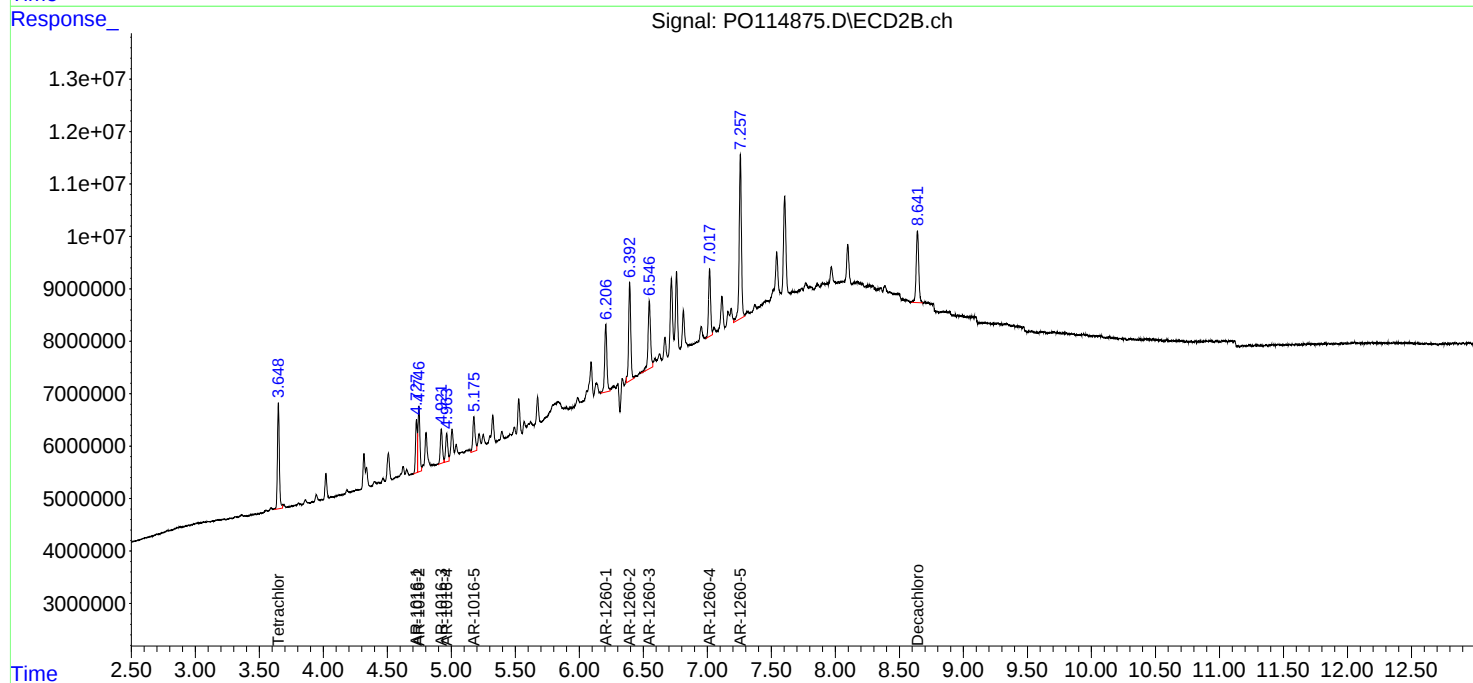
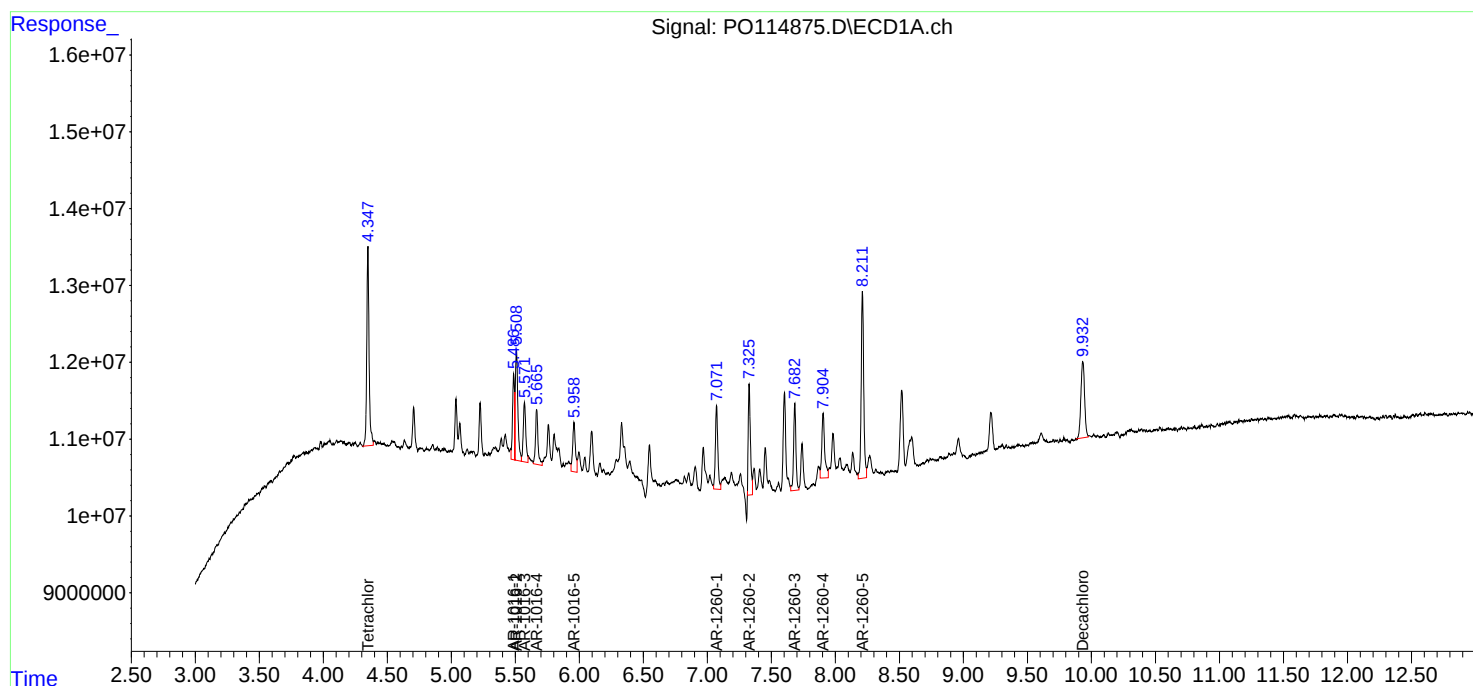
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 11:09:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 11:09:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114876.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 11:11
 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: Nov 04 11:57:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 11:57:11 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	367.5E6	224.3E6	50.000	50.000
2) SA Decachlor...	9.932	8.641	223.4E6	199.5E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.549	3.860	42062015	30899570	500.000	500.000
9) L2 AR-1221-2	4.632	3.945	30091751	22818522	500.000	500.000
10) L2 AR-1221-3	4.706	4.021	96667420	70128648	500.000	500.000

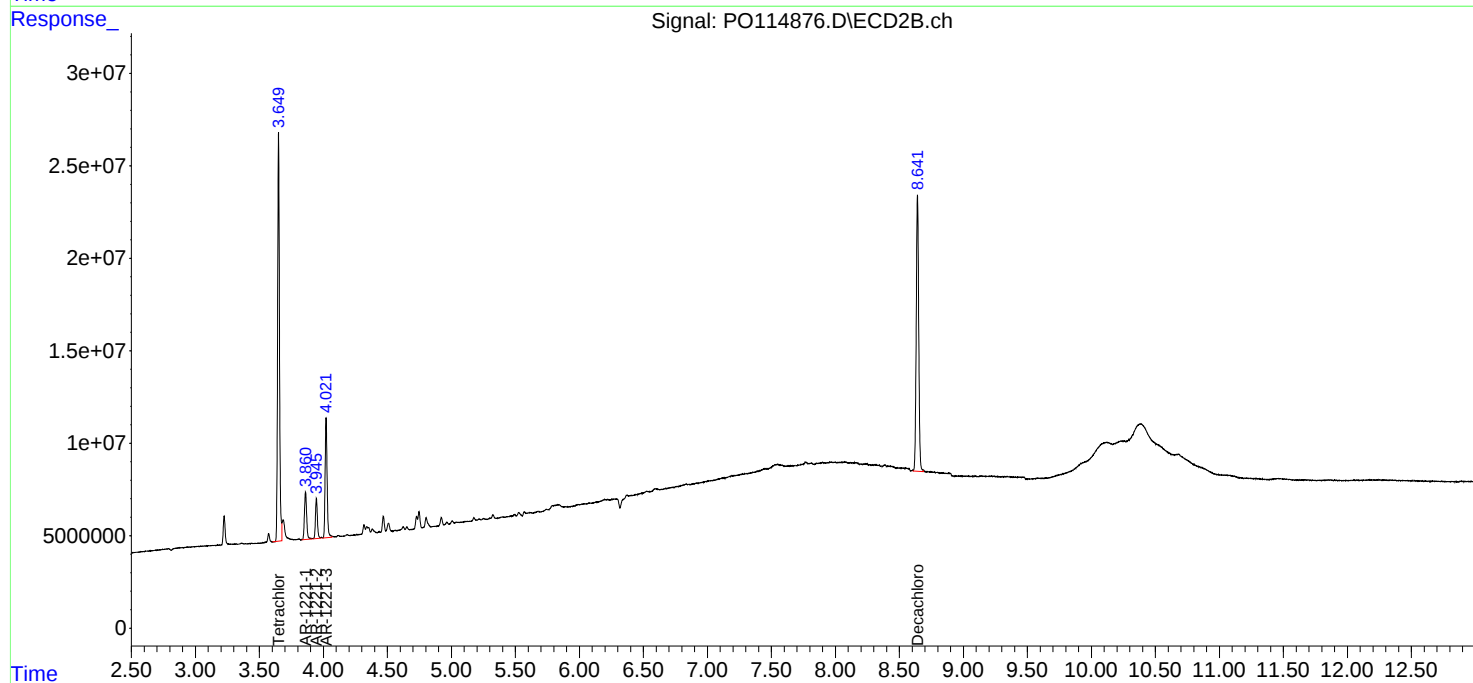
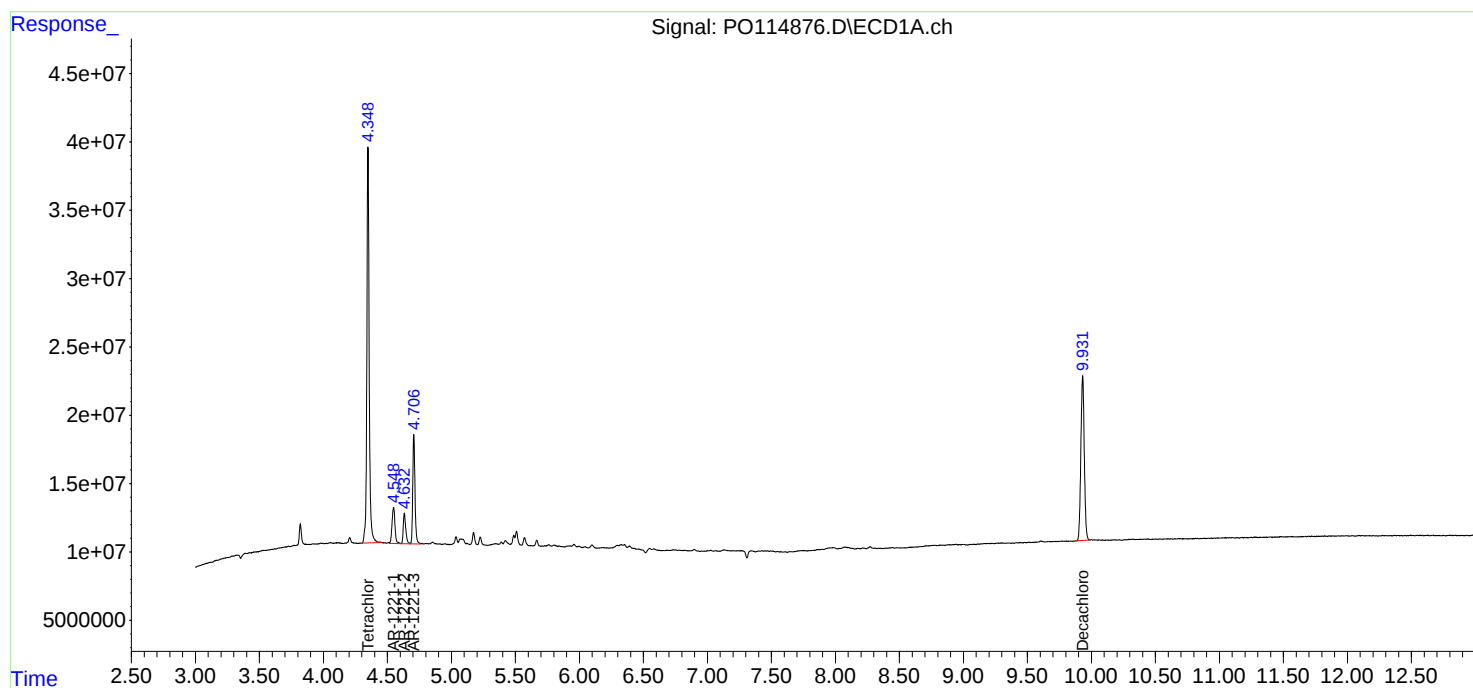
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 11:11
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: Nov 04 11:57:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 11:57:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114877.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 11:30
 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: Nov 04 12:15:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 11:57:11 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.649	373.4E6	232.5E6	50.000	50.000
2) SA Decachlor...	9.931	8.641	232.4E6	203.6E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.706	4.020	75007315	55746703	500.000	500.000
12) L3 AR-1232-2	5.224	4.747	36283683	56047490	500.000	500.000
13) L3 AR-1232-3	5.508	4.921	79337557	29827092	500.000	500.000
14) L3 AR-1232-4	5.666	5.005	36897763	25444495	500.000	500.000
15) L3 AR-1232-5	5.757	5.176	25790349	28293807	500.000	500.000

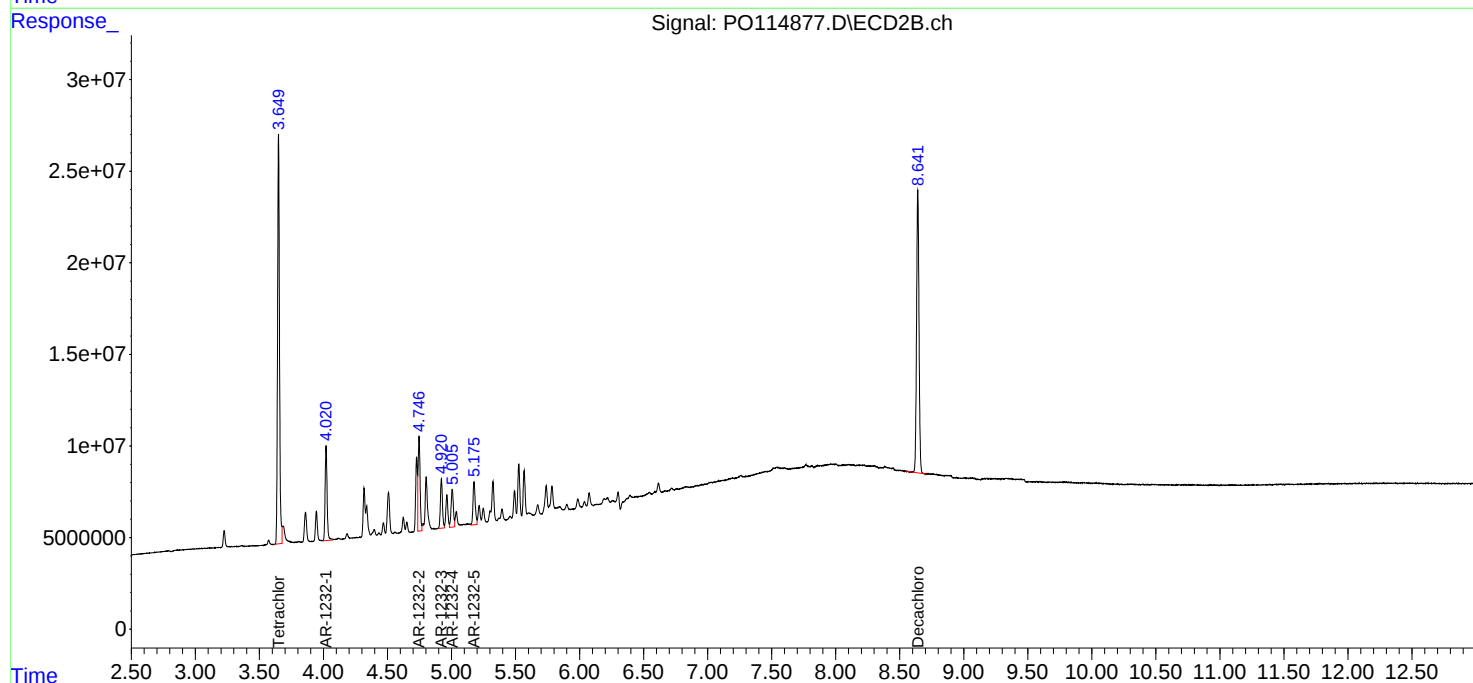
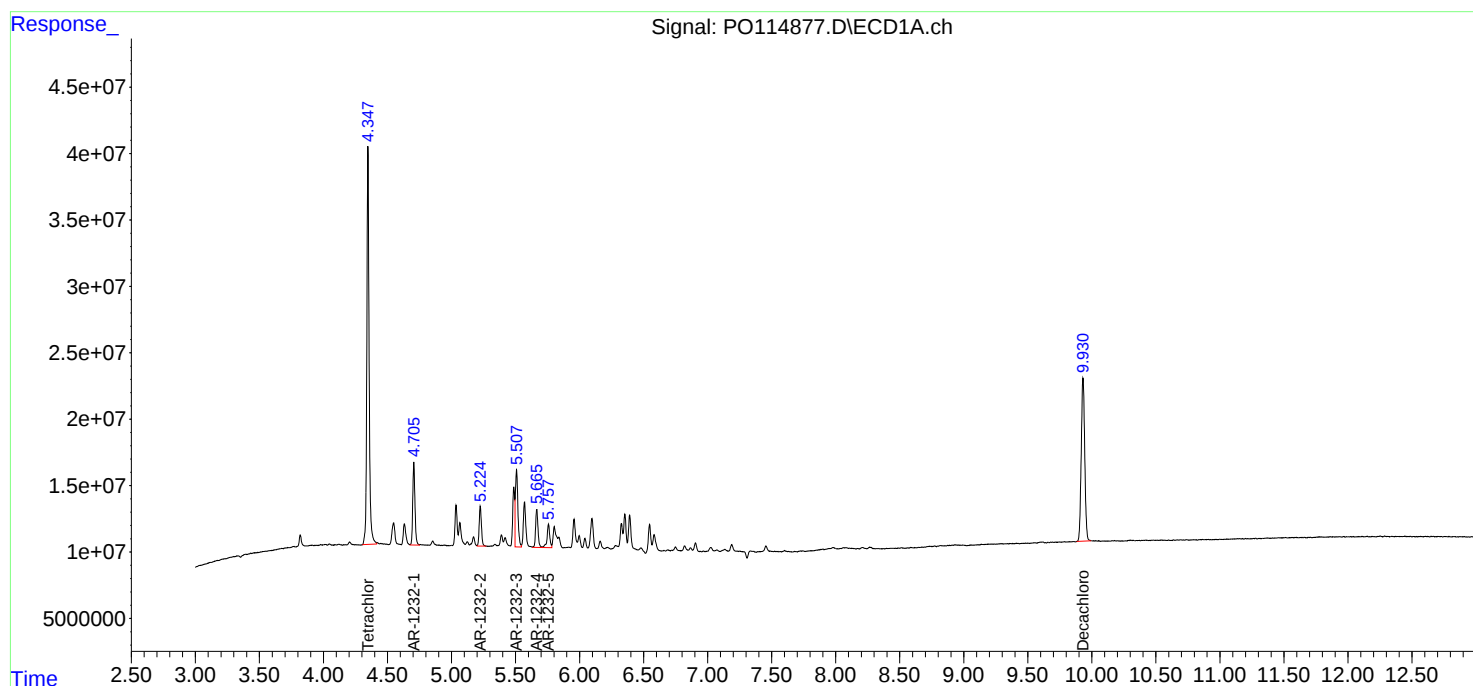
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114877.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 11:30
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: Nov 04 12:15:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 11:57:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114878.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 11:48
 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: Nov 04 12:52:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 12:48:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.348	3.649	734.8E6	480.0E6	98.758	98.347
2)	SA Decachlor...	9.932	8.642	473.0E6	409.3E6	98.660	96.347
Target Compounds							
16)	L4 AR-1242-1	5.487	4.728	180.4E6	138.3E6	974.605	962.566
17)	L4 AR-1242-2	5.509	4.747	290.6E6	199.9E6	974.478	966.127
18)	L4 AR-1242-3	5.570	4.921	164.4E6	108.2E6	971.984	963.489
19)	L4 AR-1242-4	5.667	5.005	136.8E6	101.9E6	966.255	961.849
20)	L4 AR-1242-5	6.392	5.526	138.4E6	136.0E6	976.570	965.656

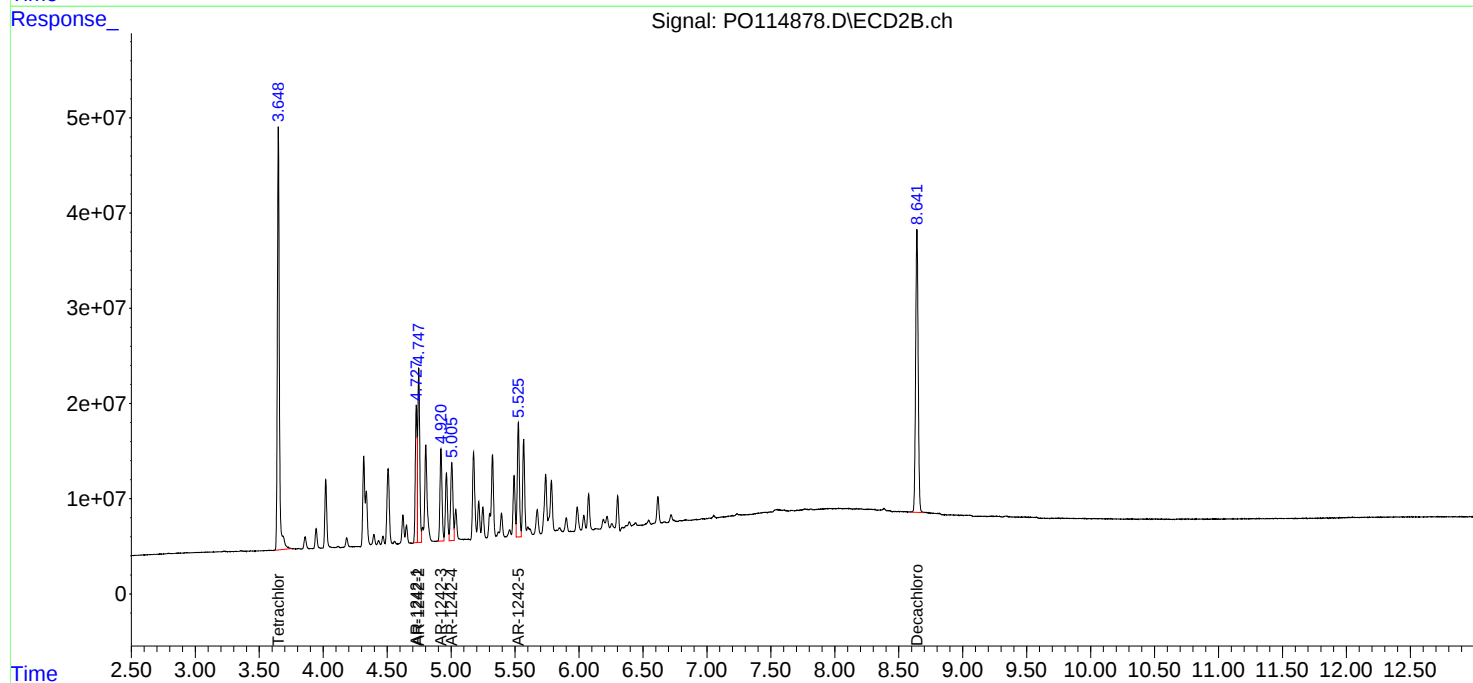
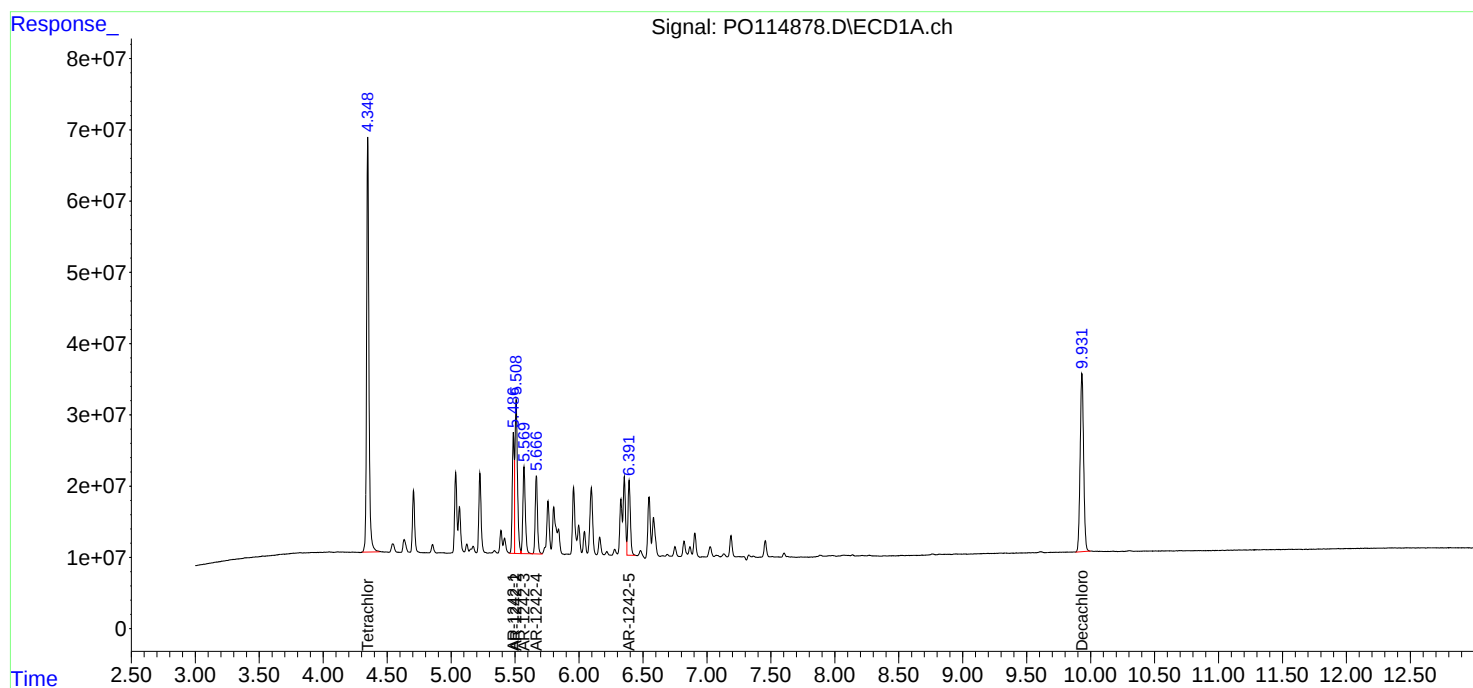
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 11:48
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: Nov 04 12:52:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 12:48:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 12:06
 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: Nov 04 12:55:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 12:48:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	558.4E6	351.3E6	75.032	72.950
2) SA Decachlor...	9.930	8.641	360.4E6	322.6E6	75.113	75.624
Target Compounds						
16) L4 AR-1242-1	5.487	4.728	138.4E6	108.3E6	748.334	752.466
17) L4 AR-1242-2	5.508	4.747	221.7E6	153.7E6	745.677	745.260
18) L4 AR-1242-3	5.570	4.921	125.8E6	84172141	745.539	749.608
19) L4 AR-1242-4	5.666	5.006	105.5E6	78976449	746.496	746.880
20) L4 AR-1242-5	6.391	5.525	106.4E6	105.1E6	750.553	747.461

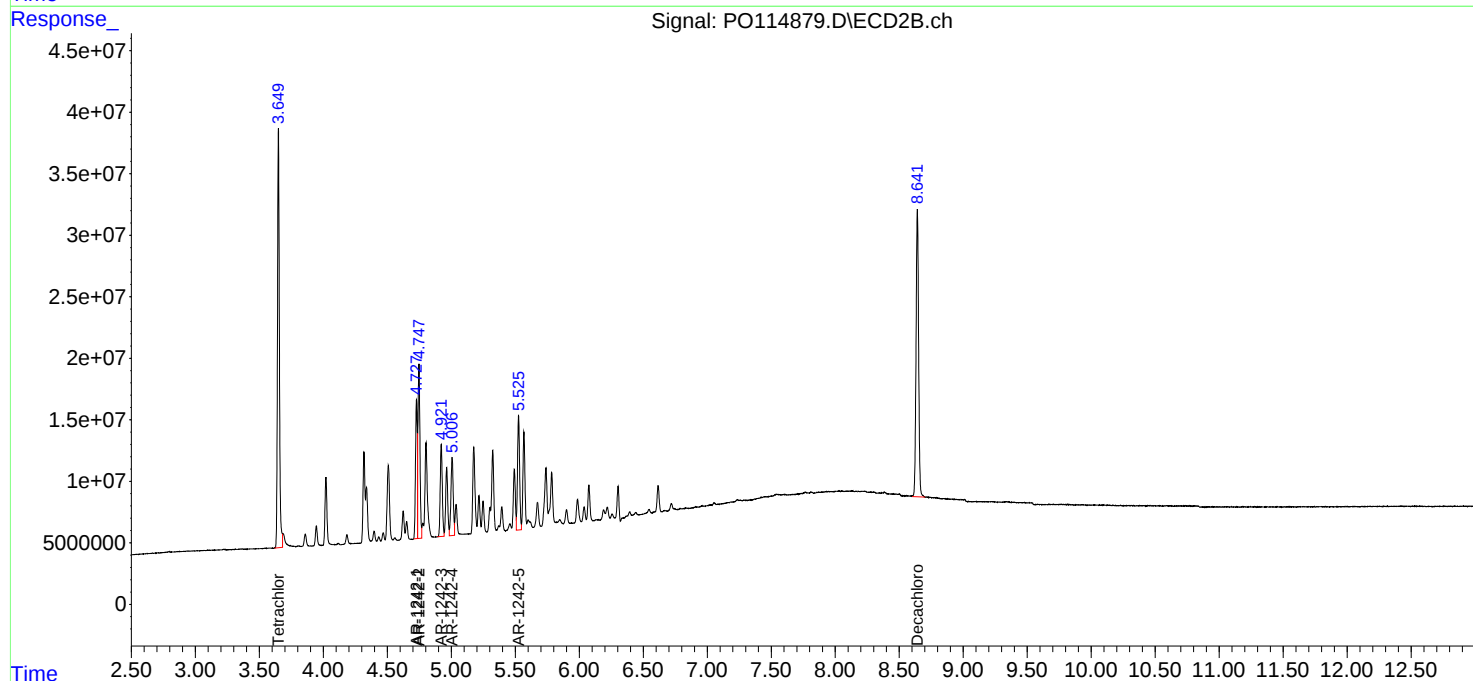
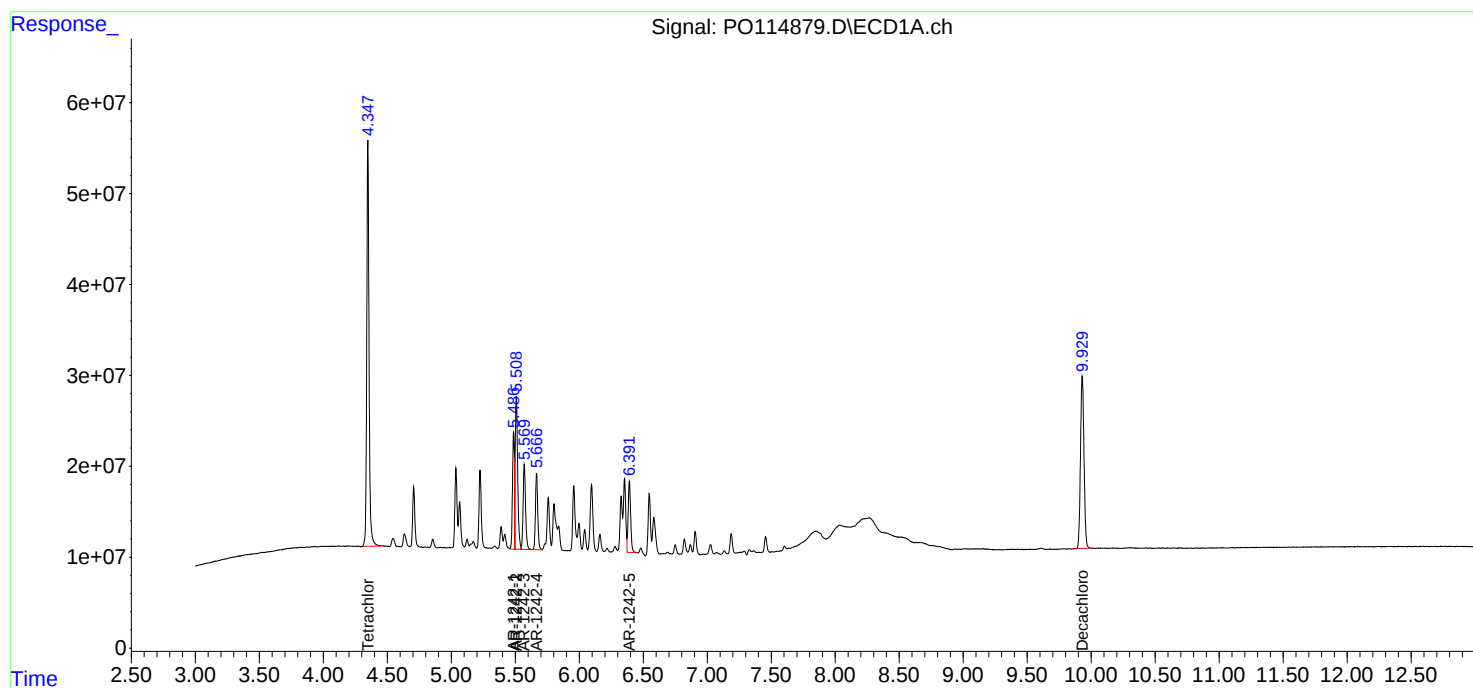
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 12:06
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: Nov 04 12:55:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 12:48:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114880.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 12:25
 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: Nov 04 12:49:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 12:48:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.348	3.649	376.6E6	248.1E6	50.000	50.000
2)	SA Decachlor...	9.932	8.642	242.9E6	220.2E6	50.000	50.000
Target Compounds							
16)	L4 AR-1242-1	5.488	4.728	94898416	74554194	500.000	500.000
17)	L4 AR-1242-2	5.509	4.747	152.9E6	107.0E6	500.000	500.000
18)	L4 AR-1242-3	5.571	4.922	86964841	58209186	500.000	500.000
19)	L4 AR-1242-4	5.667	5.006	73201423	55002215	500.000	500.000
20)	L4 AR-1242-5	6.393	5.526	72501094	72826705	500.000	500.000

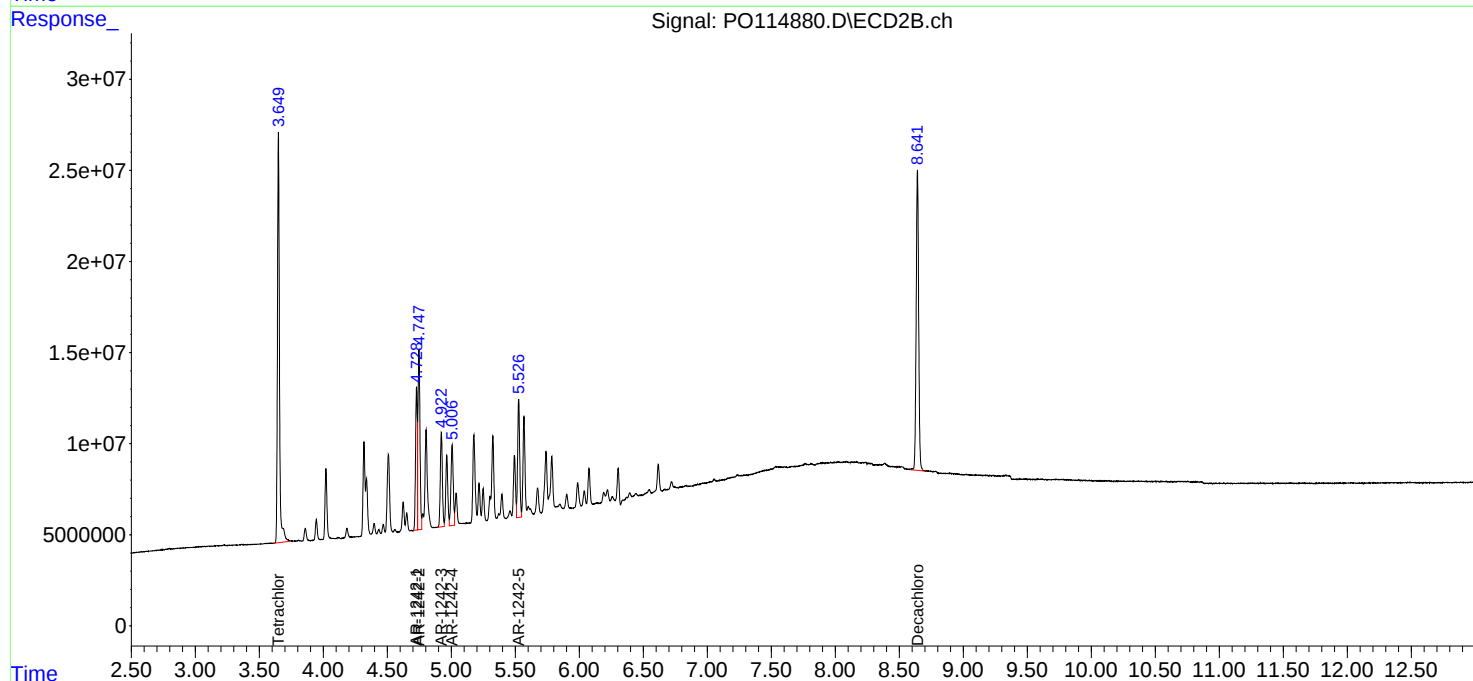
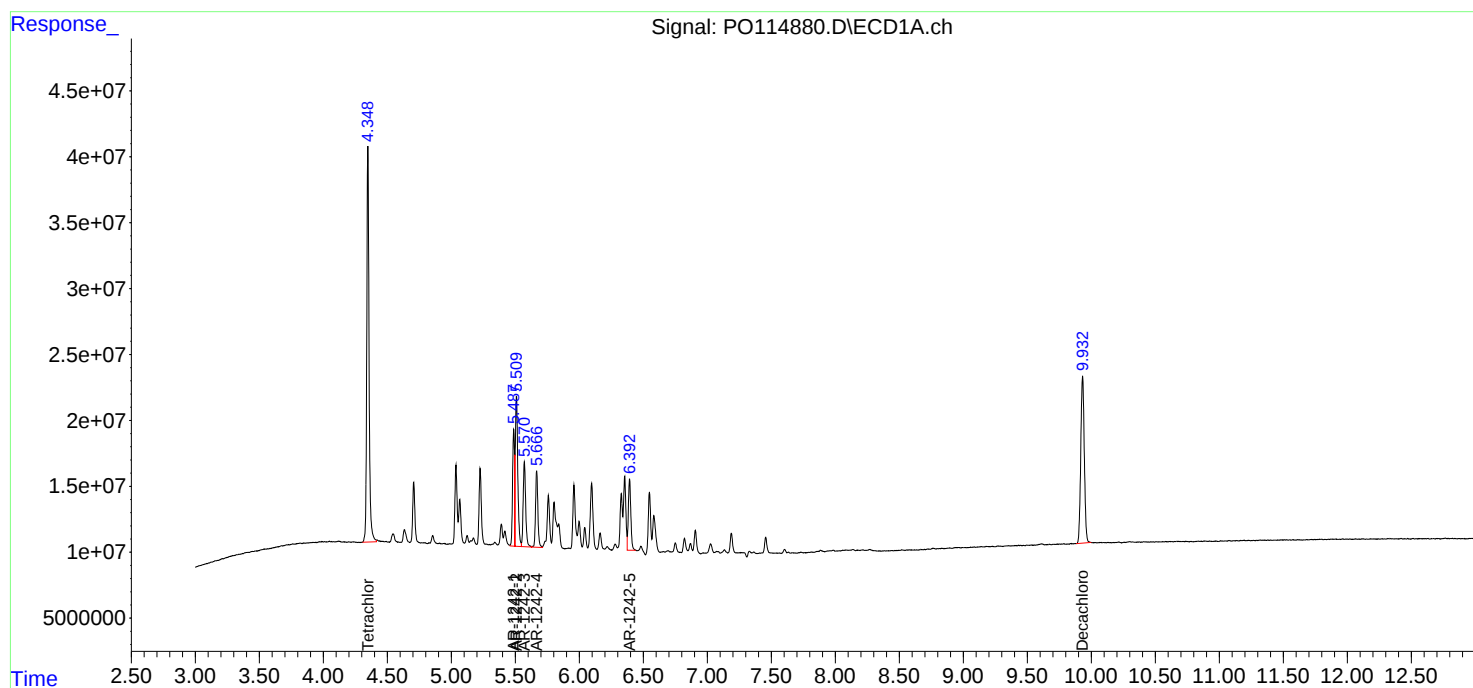
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 12:25
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: Nov 04 12:49:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 12:48:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
 Data File : PO114881.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 12:42
 Operator : YP/AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1242ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 12:59:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 12:48:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.649	181.6E6	113.2E6	24.544	23.863
2) SA Decachlor...	9.930	8.642	118.7E6	108.5E6	24.798	25.317
Target Compounds						
16) L4 AR-1242-1	5.485	4.728	48045131	37219390	257.320	256.344
17) L4 AR-1242-2	5.507	4.747	75500933	52970083	252.915	255.070
18) L4 AR-1242-3	5.569	4.921	43602684	28371324	256.308	251.994
19) L4 AR-1242-4	5.665	5.006	34915069	27309187	247.826	256.146
20) L4 AR-1242-5	6.391	5.526	34596493	37575425	245.544	262.747

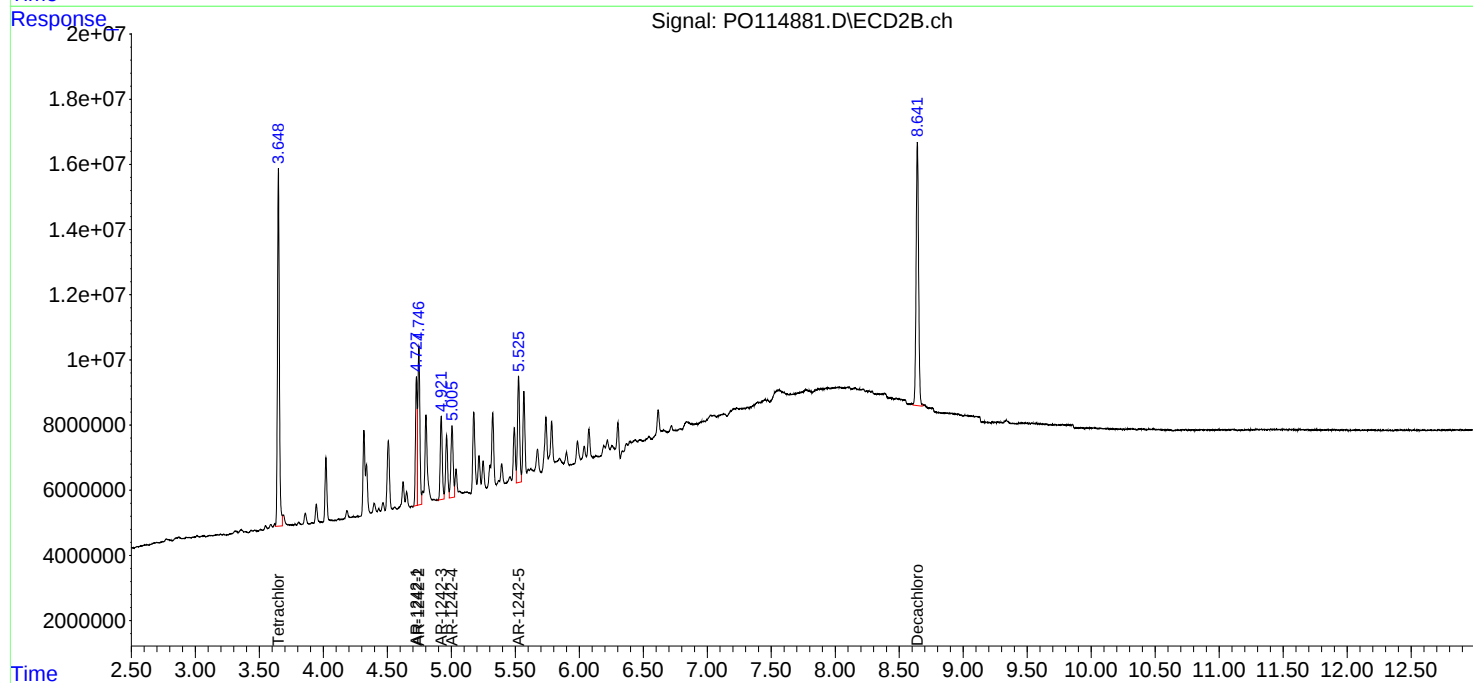
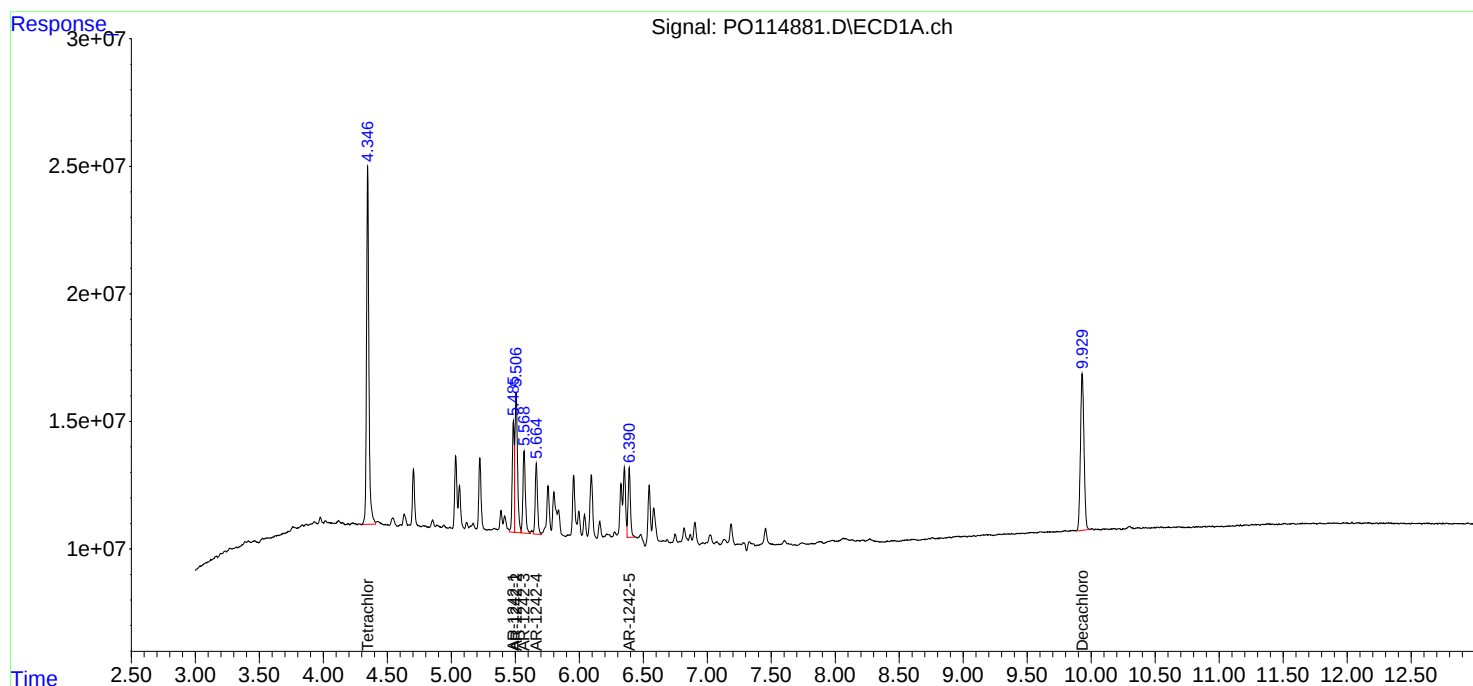
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 12:42
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: Nov 04 12:59:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 12:48:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
 Data File : PO114882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 13:00
 Operator : YP/AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_0
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 13:15:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 13:15:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.349	3.649	33472896	22185295	4.613	4.739
2) SA Decachlor...	9.932	8.641	20800693	21904493	4.464	5.090
Target Compounds						
16) L4 AR-1242-1	5.487	4.729	9217524	7516814	49.493	51.407
17) L4 AR-1242-2	5.509	4.747	14989568	10253143	50.170	49.497
18) L4 AR-1242-3	5.571	4.922	8818491	5476880	51.459	48.911
19) L4 AR-1242-4	5.667	5.007	7618827	5459668	53.210	50.962
20) L4 AR-1242-5	6.392	5.526	7059809	7127481	50.085	49.823m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 13:00
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

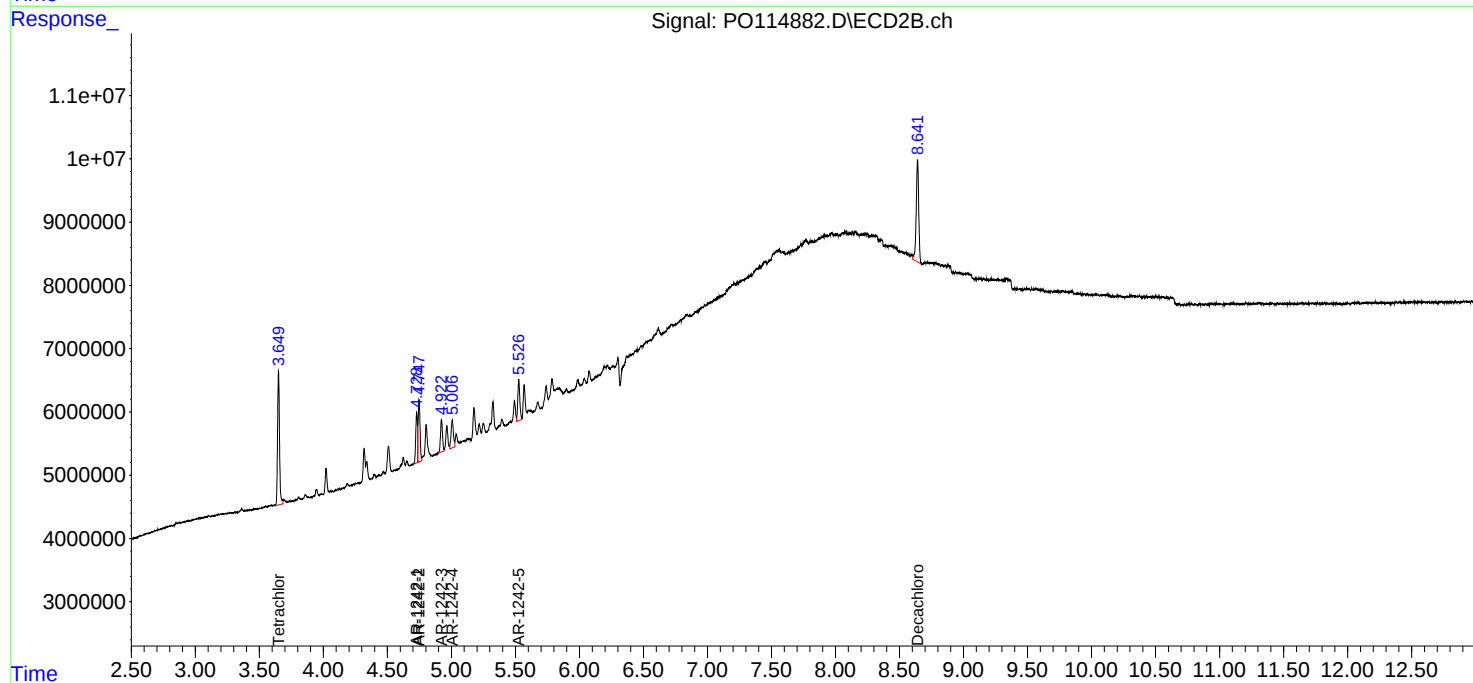
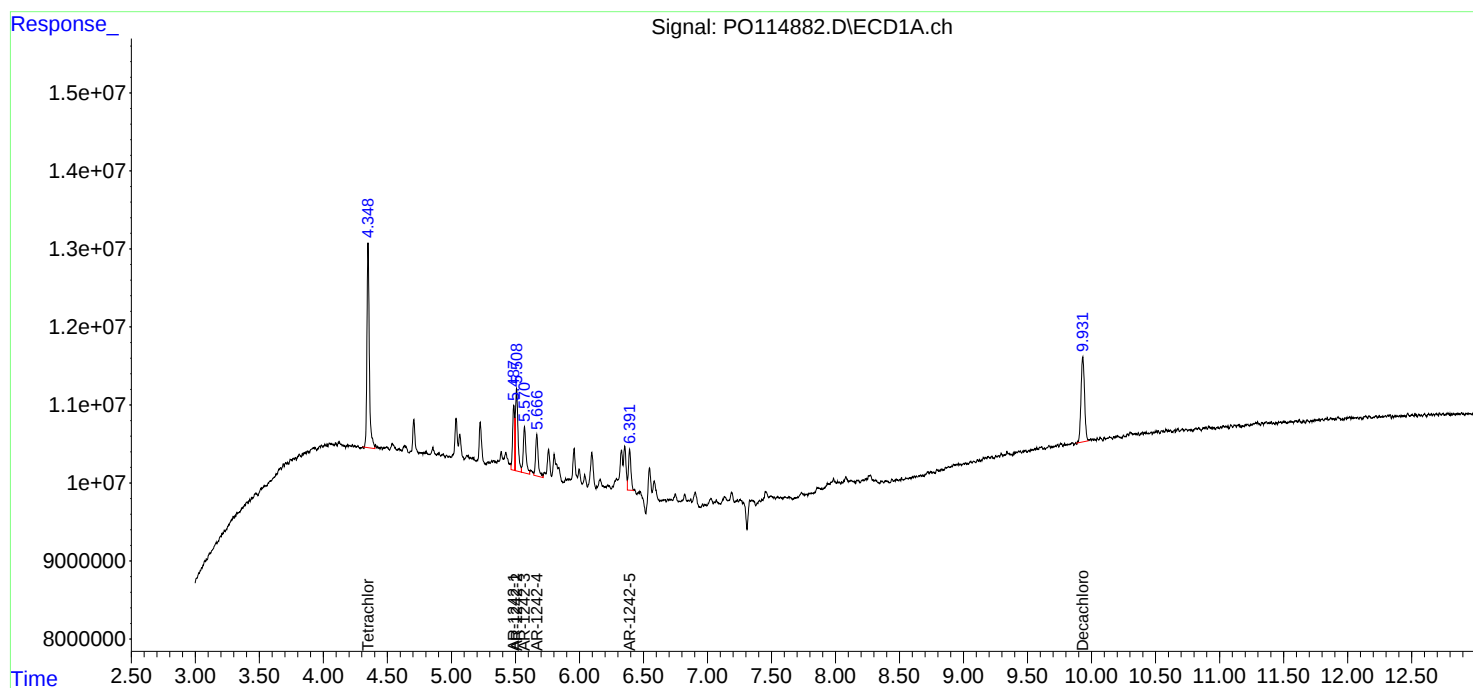
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 13:15:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 13:15:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114883.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 13:19
 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: Nov 04 14:15:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 14:11:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.648	731.7E6	475.9E6	98.575	98.613
2) SA Decachlor...	9.931	8.641	459.1E6	407.6E6	98.355	97.441
Target Compounds						
21) L5 AR-1248-1	5.486	4.727	130.1E6	101.0E6	970.963	951.788
22) L5 AR-1248-2	5.757	4.963	182.9E6	136.5E6	970.365	957.940
23) L5 AR-1248-3	5.957	5.005	203.4E6	143.9E6	974.566	961.296
24) L5 AR-1248-4	6.354	5.175	240.2E6	171.3E6	968.415	963.693
25) L5 AR-1248-5	6.391	5.567	225.3E6	174.6E6	969.541	965.748

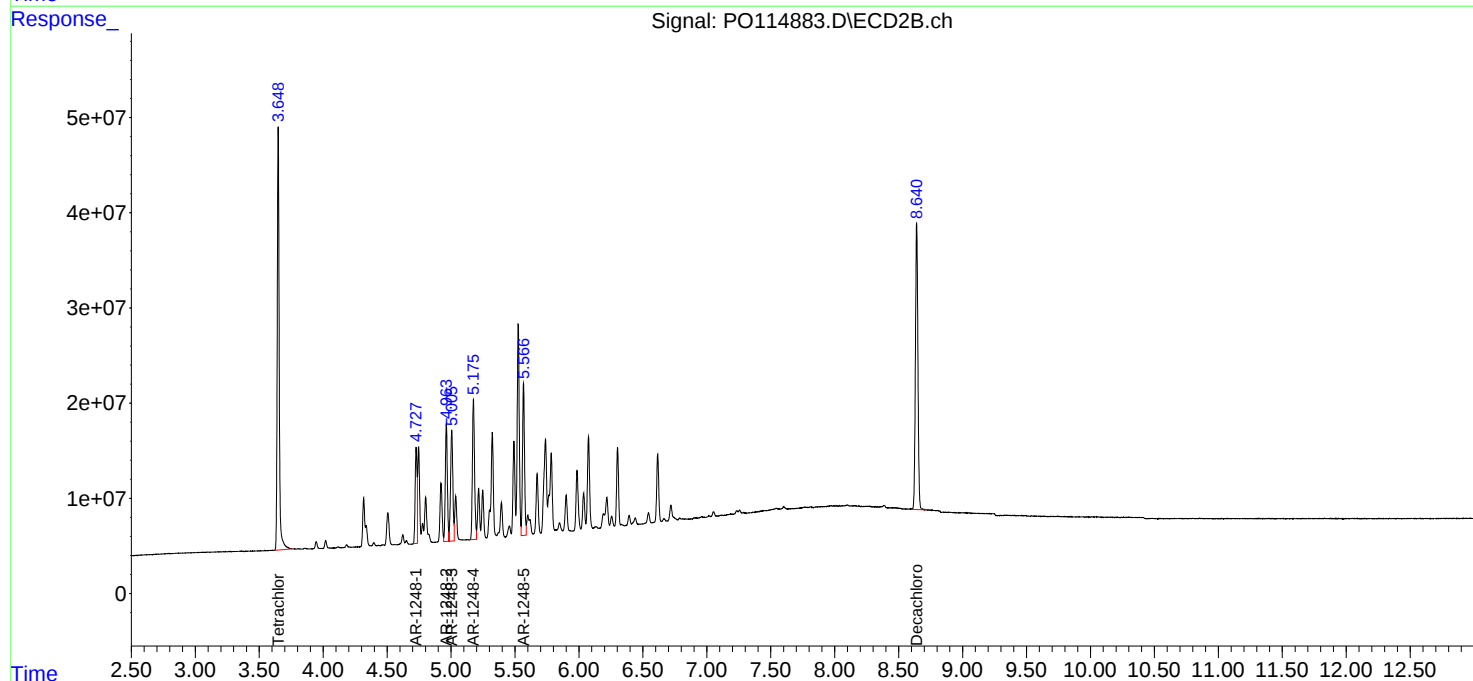
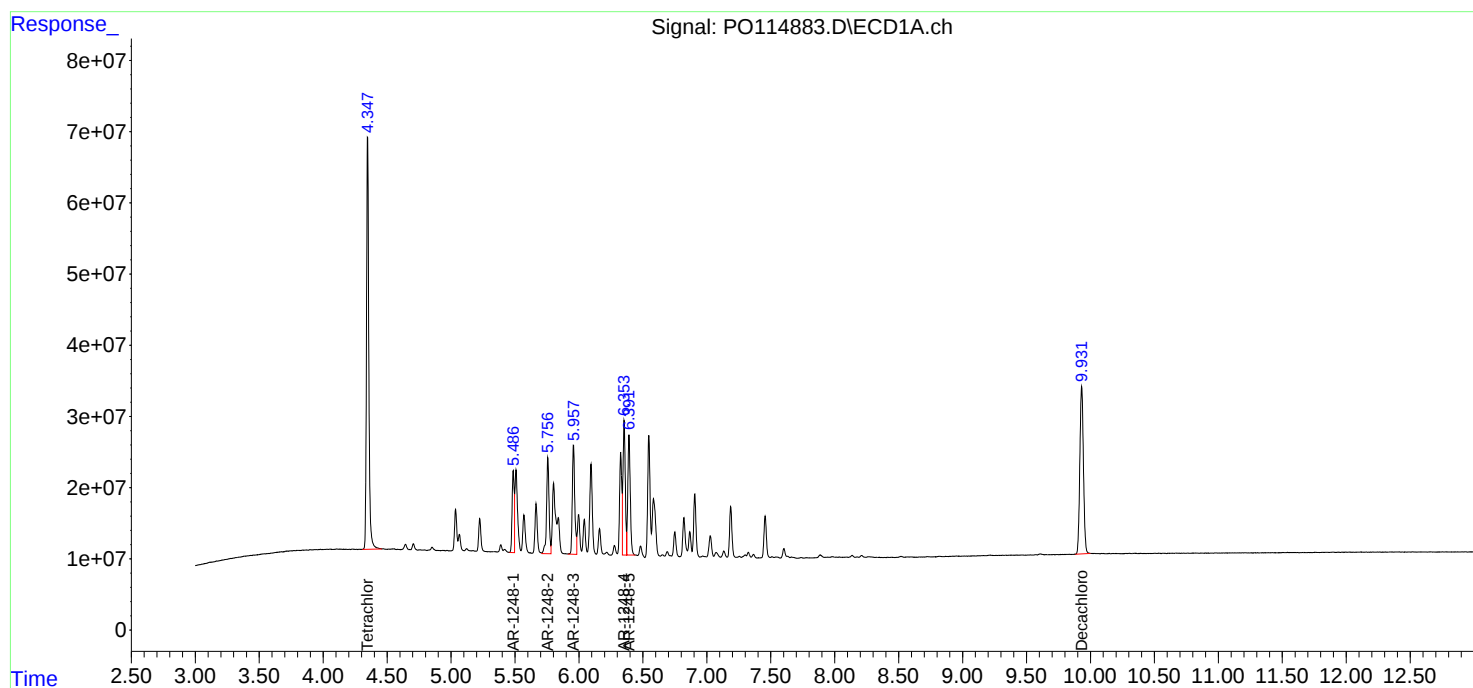
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 13:19
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: Nov 04 14:15:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 14:11:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114884.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 13:37
 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: Nov 04 14:18:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 14:11:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.349	3.650	558.2E6	362.2E6	75.139	75.043
2) SA Decachlor...	9.934	8.642	348.6E6	312.5E6	74.784	74.797
Target Compounds						
21) L5 AR-1248-1	5.487	4.728	101.4E6	79219349	754.563	747.551
22) L5 AR-1248-2	5.759	4.965	140.8E6	106.9E6	747.878	750.206
23) L5 AR-1248-3	5.958	5.007	154.7E6	112.4E6	744.299	750.689
24) L5 AR-1248-4	6.355	5.177	184.7E6	133.3E6	746.353	749.852
25) L5 AR-1248-5	6.393	5.568	173.1E6	135.2E6	746.437	748.274

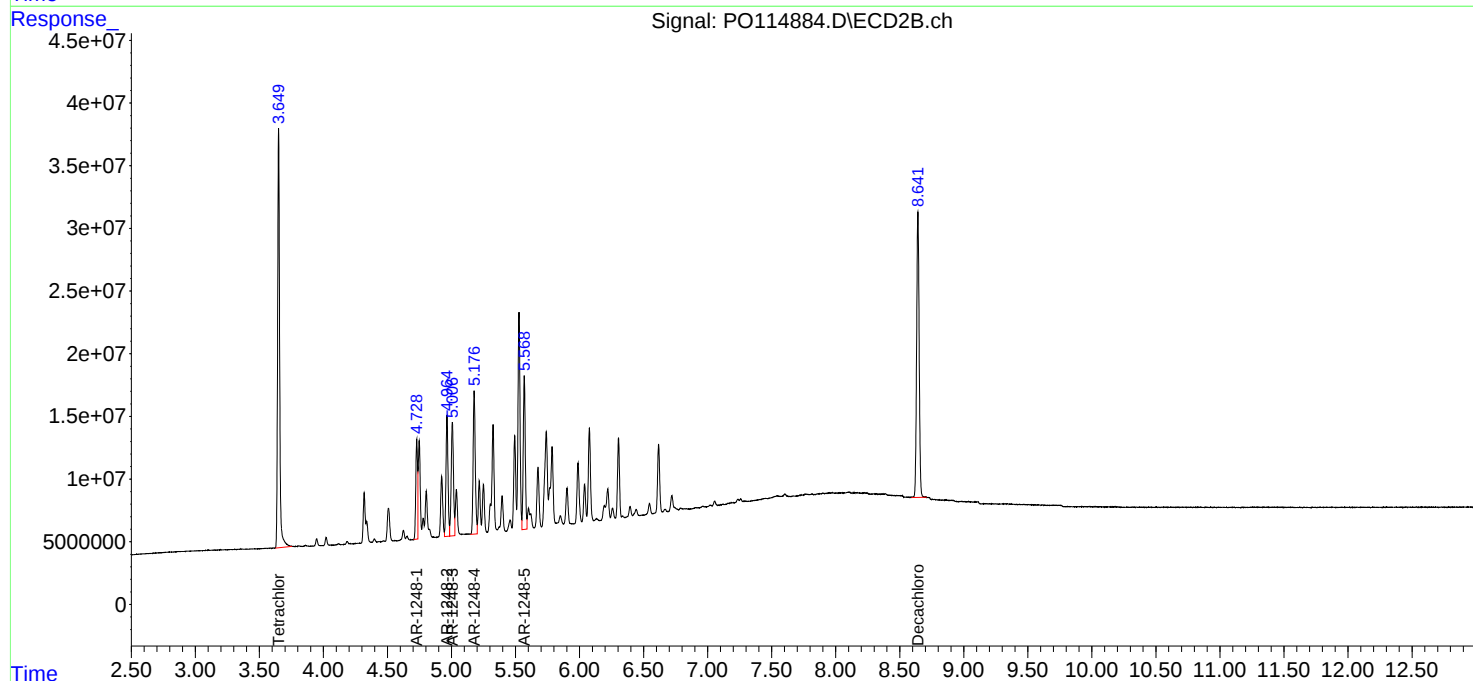
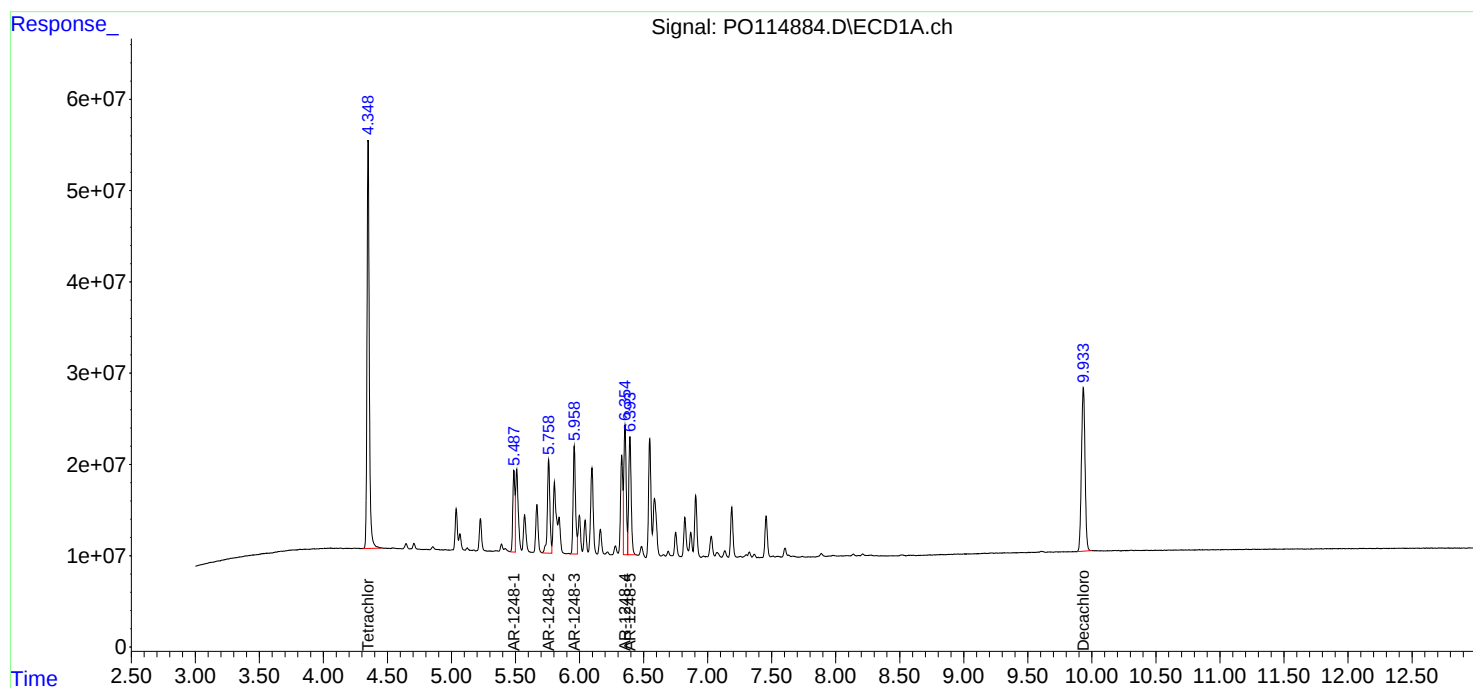
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 13:37
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: Nov 04 14:18:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 14:11:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114885.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 13:56
 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: Nov 04 14:12:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 14:11:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.349	3.650	376.4E6	244.6E6	50.000	50.000
2) SA Decachlor...	9.932	8.642	237.2E6	214.5E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.487	4.728	68954500	55631193	500.000	500.000
22) L5 AR-1248-2	5.759	4.964	97032346	74265259	500.000	500.000
23) L5 AR-1248-3	5.959	5.006	107.0E6	77737125	500.000	500.000
24) L5 AR-1248-4	6.354	5.177	127.9E6	92085877	500.000	500.000
25) L5 AR-1248-5	6.393	5.568	119.7E6	93519021	500.000	500.000

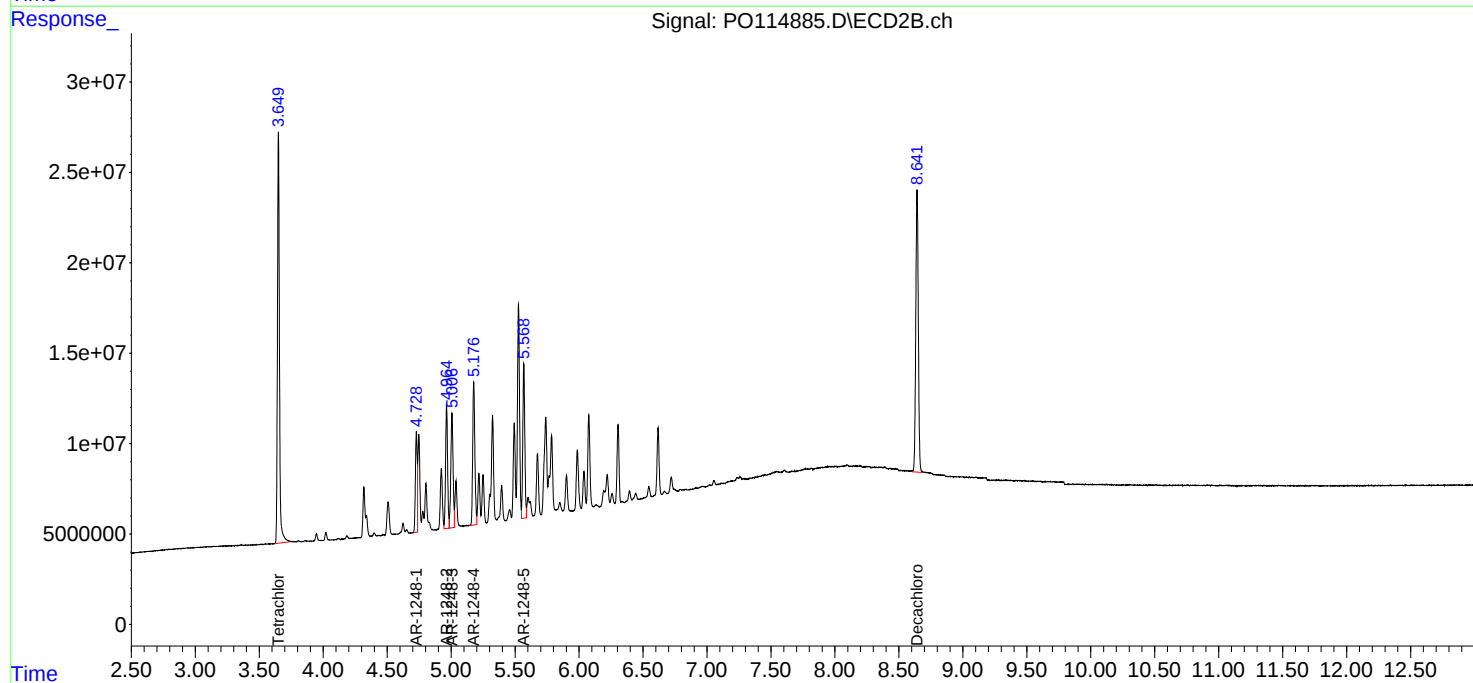
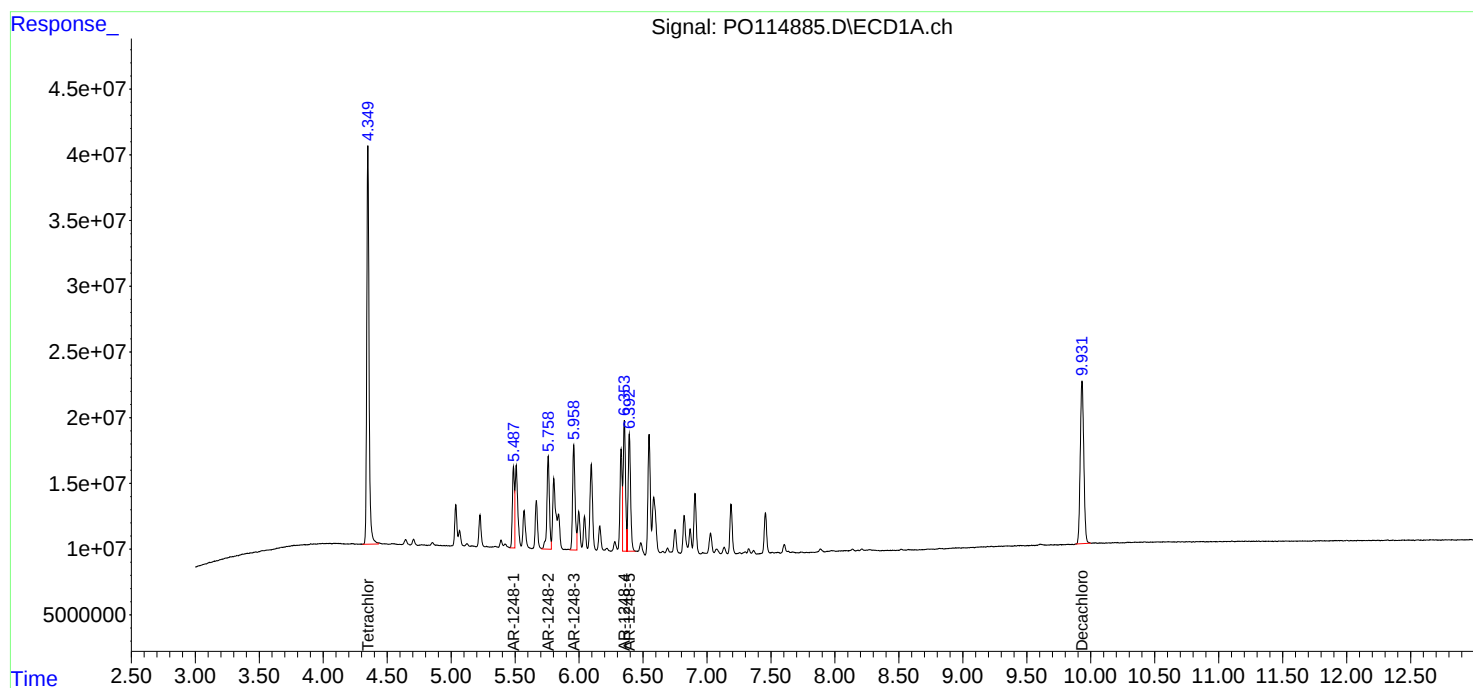
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 13:56
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: Nov 04 14:12:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 14:11:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 14:14
 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: Nov 04 14:29:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 14:11:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.349	3.649	185.1E6	120.3E6	24.933	24.939
2) SA Decachlor...	9.931	8.642	116.5E6	110.1E6	25.002	26.000
Target Compounds						
21) L5 AR-1248-1	5.487	4.728	35435549	28273297	260.067	262.392
22) L5 AR-1248-2	5.758	4.964	49098195	38173242	258.061	263.101
23) L5 AR-1248-3	5.958	5.006	53231777	39587309	254.519	260.615
24) L5 AR-1248-4	6.354	5.176	63989316	46878477	256.419	260.212
25) L5 AR-1248-5	6.393	5.567	60028950	47410600	256.634	259.234

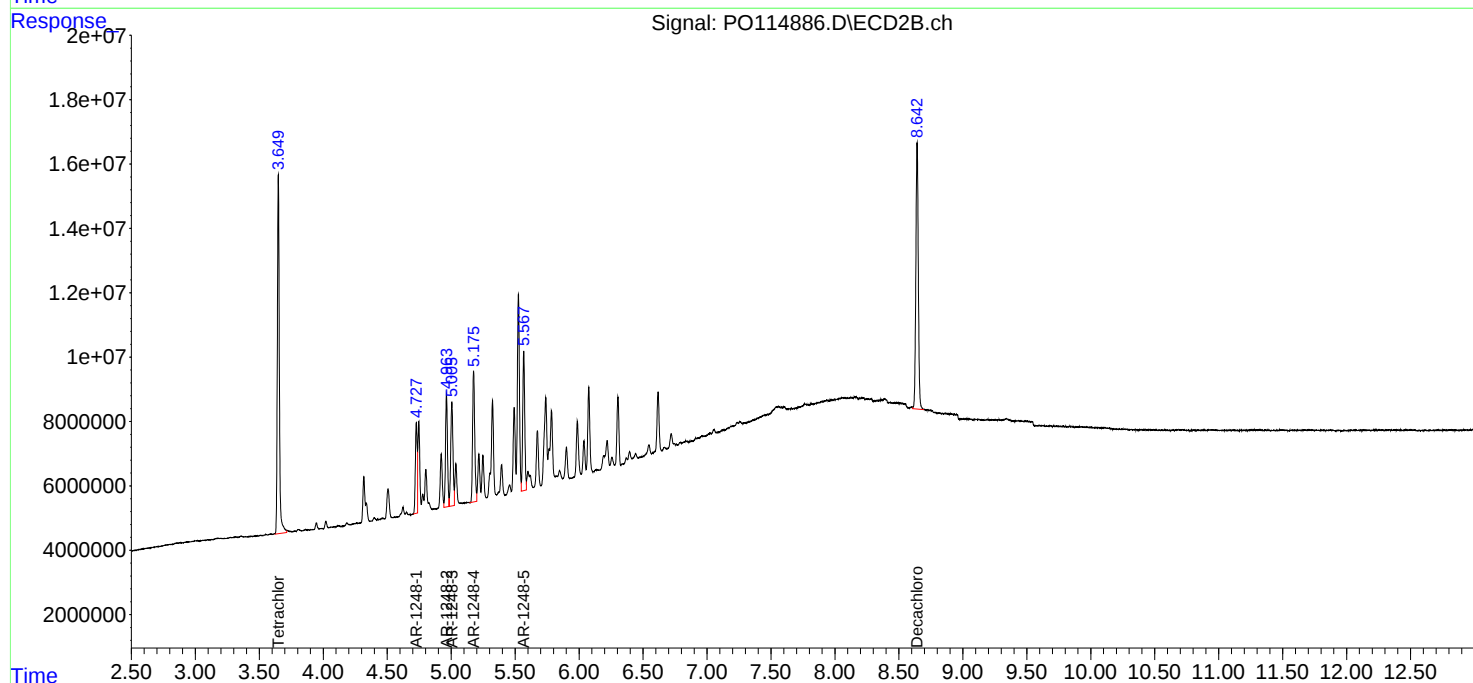
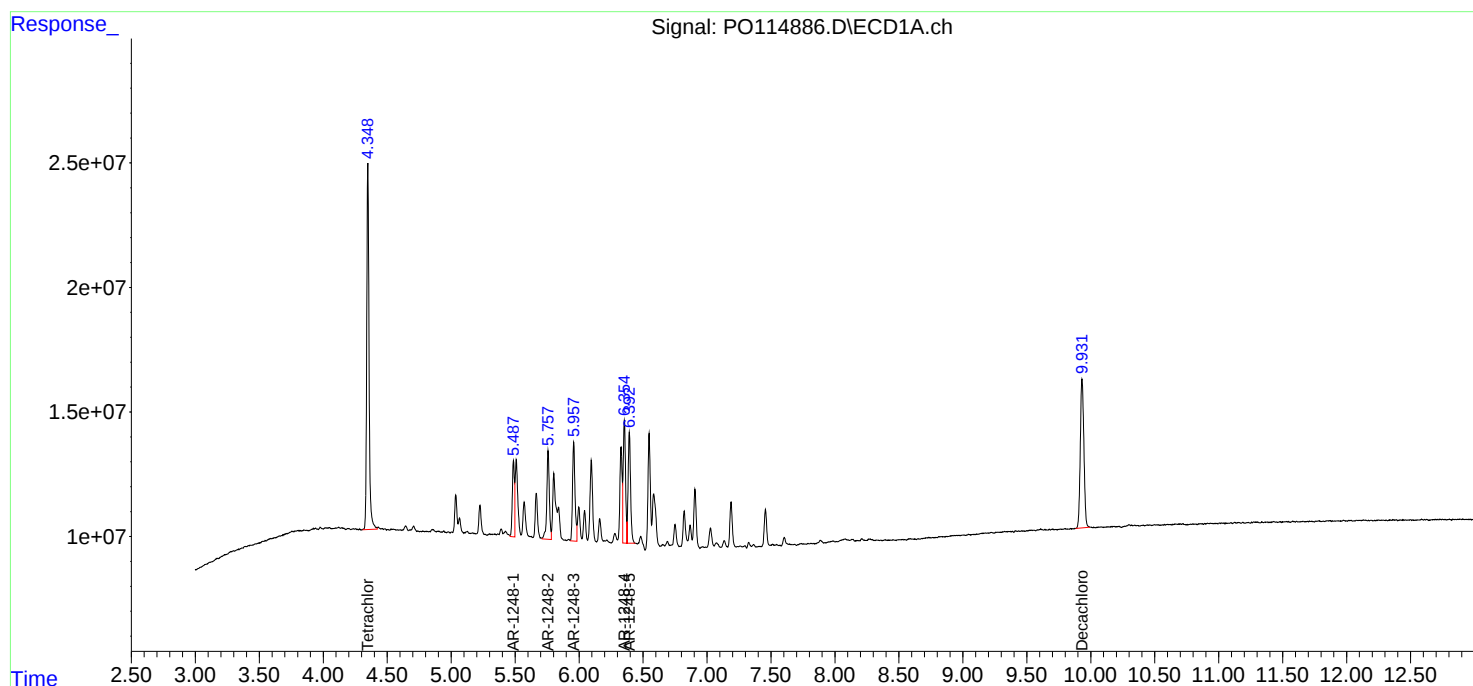
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 14:14
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: Nov 04 14:29:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 14:11:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114887.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 14:33
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 14:49:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Nov 04 14:48:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.648	36092002	23635170	4.889	4.920
2) SA Decachlor...	9.931	8.642	21056806	20723944	4.607	4.915
Target Compounds						
21) L5 AR-1248-1	5.487	4.727	7710330	5776990	55.135	52.850
22) L5 AR-1248-2	5.758	4.963	10567680	8207209	54.339	55.119
23) L5 AR-1248-3	5.958	5.005	10879375	8472020	51.601	54.515
24) L5 AR-1248-4	6.355	5.176	13238663	9782119	52.411	53.381
25) L5 AR-1248-5	6.393	5.567	12160694	9504633	51.579	51.564

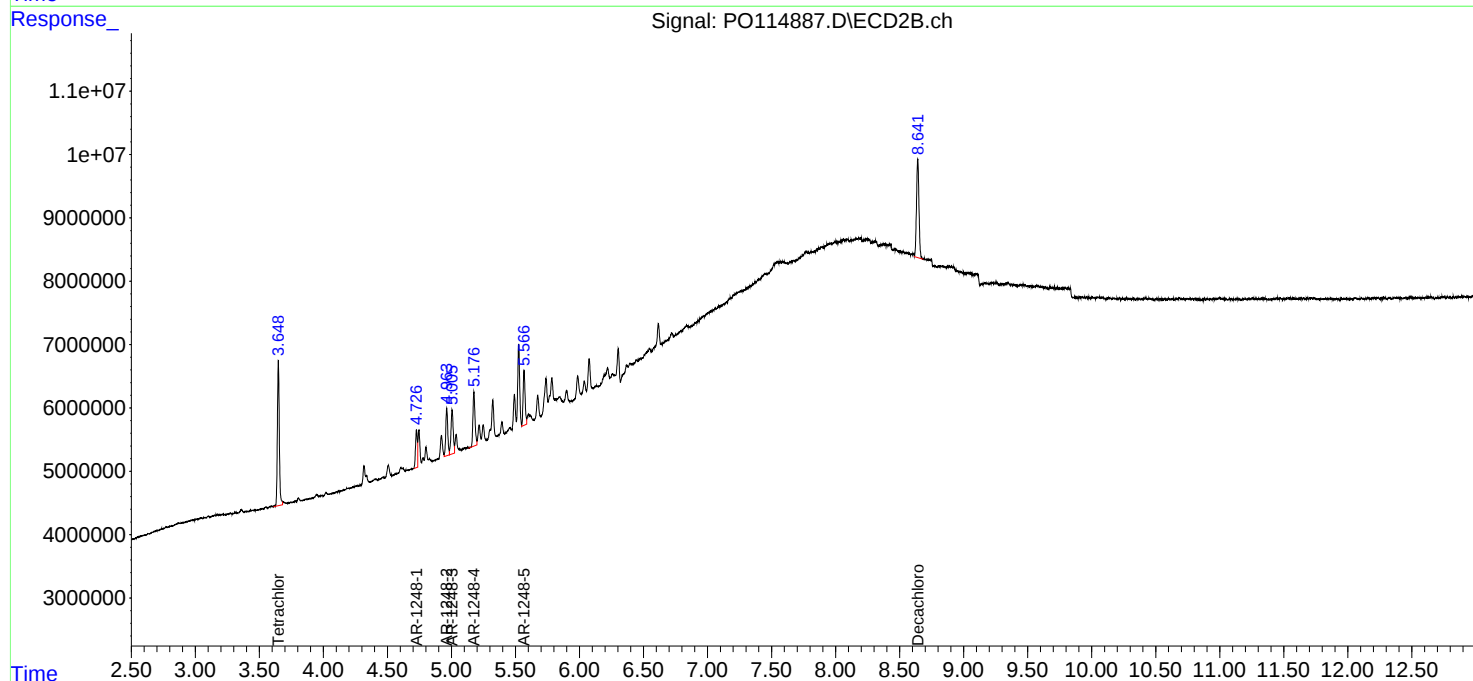
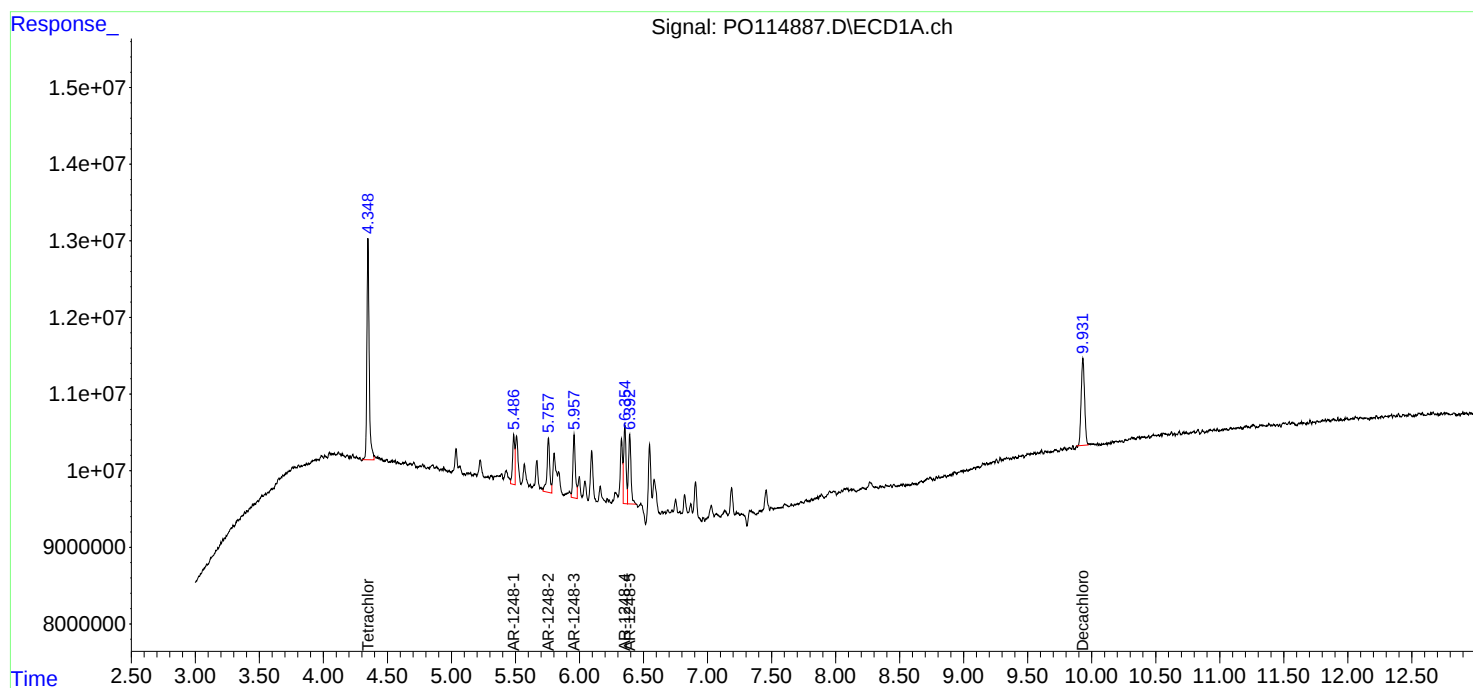
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 14:33
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 14:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 04 14:48:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114888.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 14:51
 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: Nov 05 05:36:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 05:33:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.349	3.650	741.1E6	479.1E6	94.981	94.986
2) SA Decachlor...	9.932	8.642	479.2E6	427.3E6	94.662	92.802
Target Compounds						
26) L6 AR-1254-1	6.331	5.527	240.6E6	275.4E6	929.768	917.386
27) L6 AR-1254-2	6.547	5.675	346.0E6	245.3E6	931.192	915.477
28) L6 AR-1254-3	6.907	6.076	372.9E6	398.2E6	939.256	924.961
29) L6 AR-1254-4	7.188	6.304	315.5E6	284.8E6	936.760	933.639
30) L6 AR-1254-5	7.604	6.721	295.4E6	385.7E6	946.239	941.905

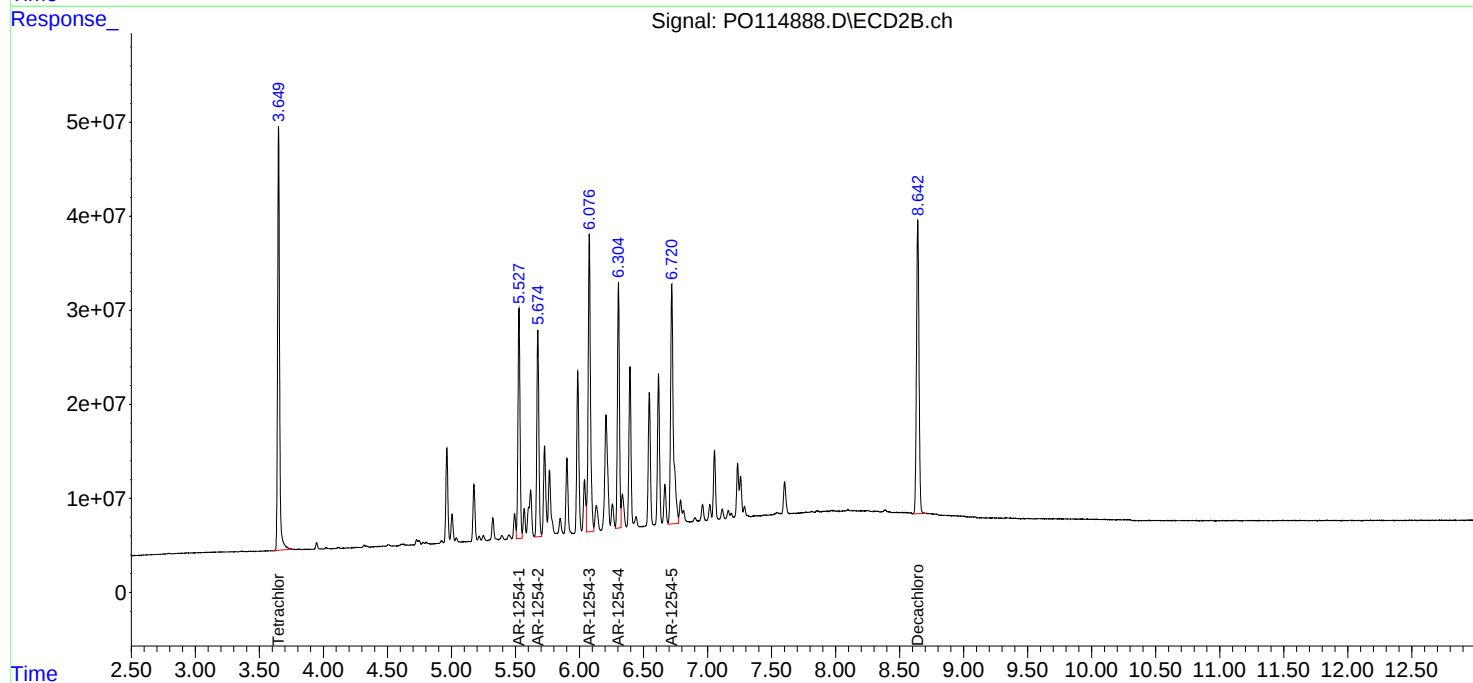
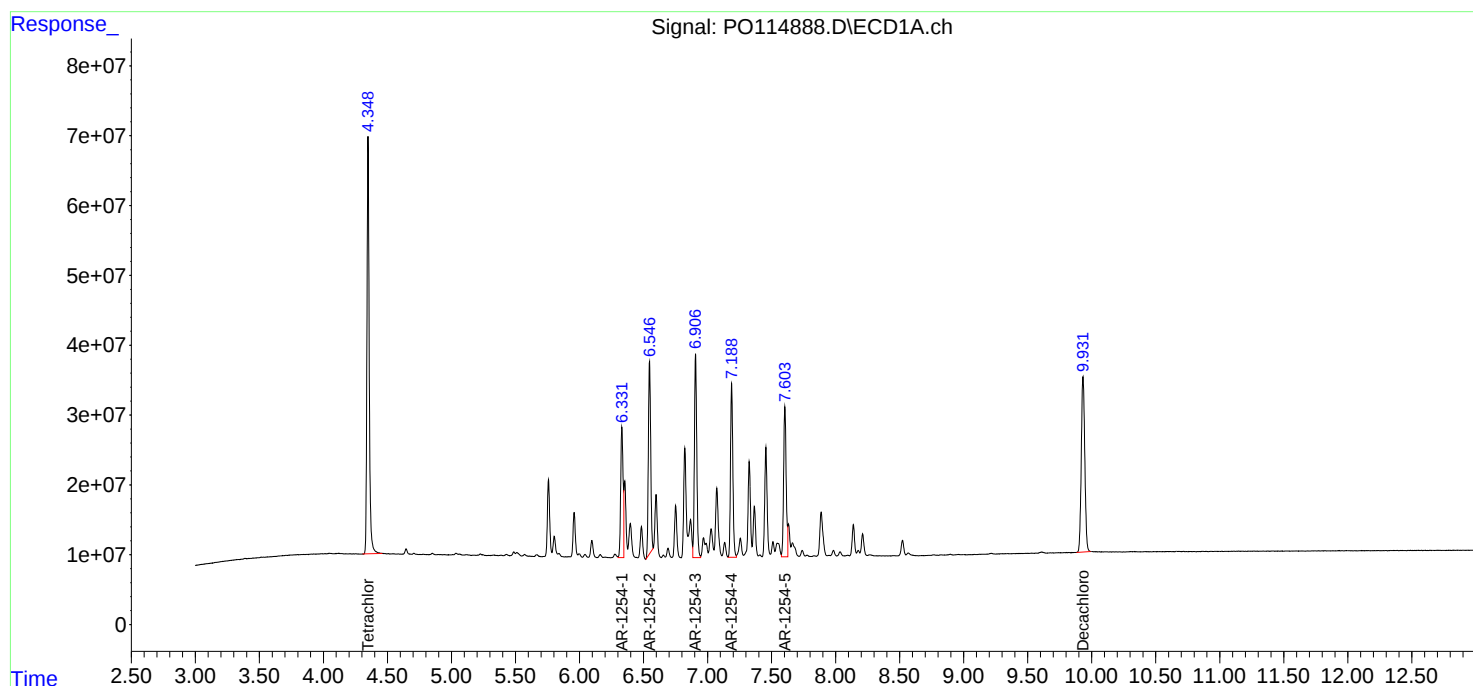
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 14:51
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: Nov 05 05:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 05:33:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114889.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 15:09
 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: Nov 05 05:36:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 05:33:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.349	3.650	564.5E6	366.5E6	72.353	72.665
2)	SA Decachlor...	9.933	8.642	367.3E6	327.5E6	72.554	71.130
Target Compounds							
26)	L6 AR-1254-1	6.331	5.527	185.6E6	213.2E6	717.106	710.020
27)	L6 AR-1254-2	6.547	5.675	265.1E6	190.0E6	713.548	708.846
28)	L6 AR-1254-3	6.907	6.077	285.3E6	308.0E6	718.711	715.281
29)	L6 AR-1254-4	7.189	6.304	241.1E6	221.2E6	715.674	725.087
30)	L6 AR-1254-5	7.604	6.721	225.5E6	294.2E6	722.455	718.550

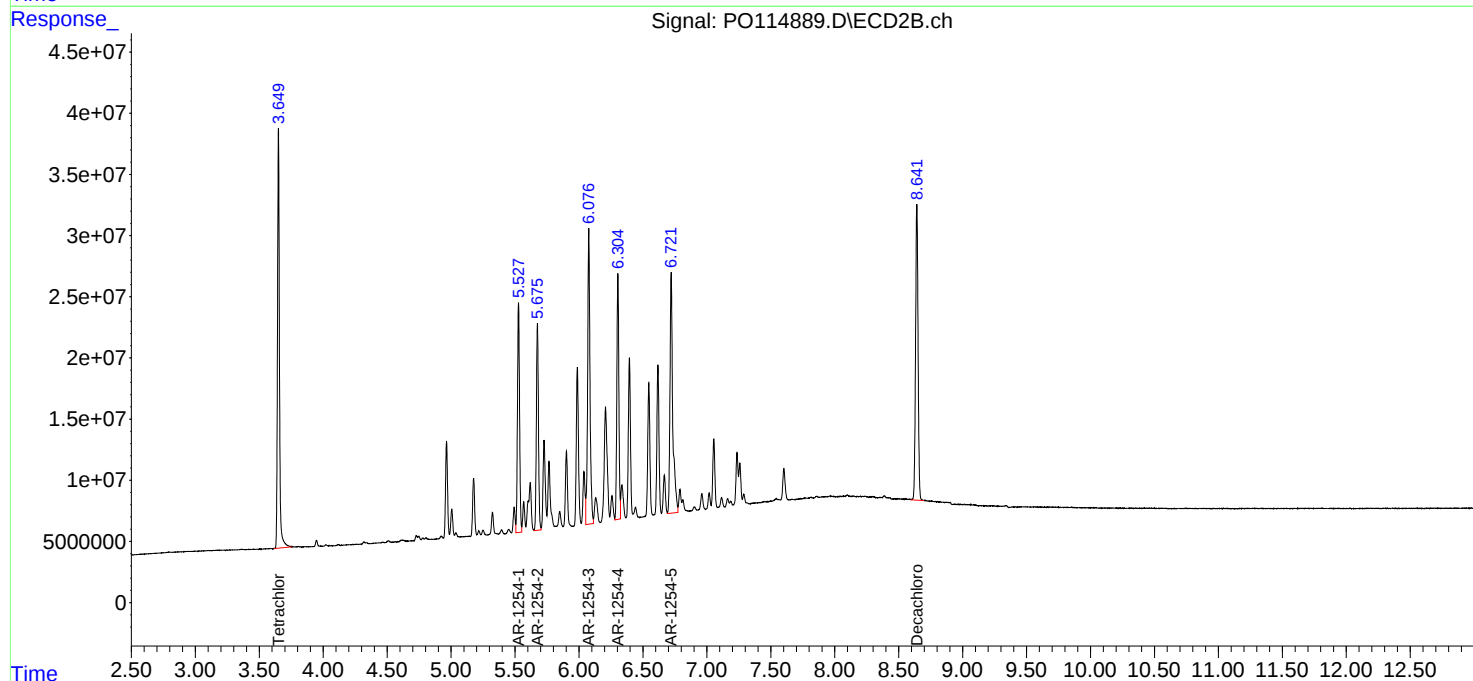
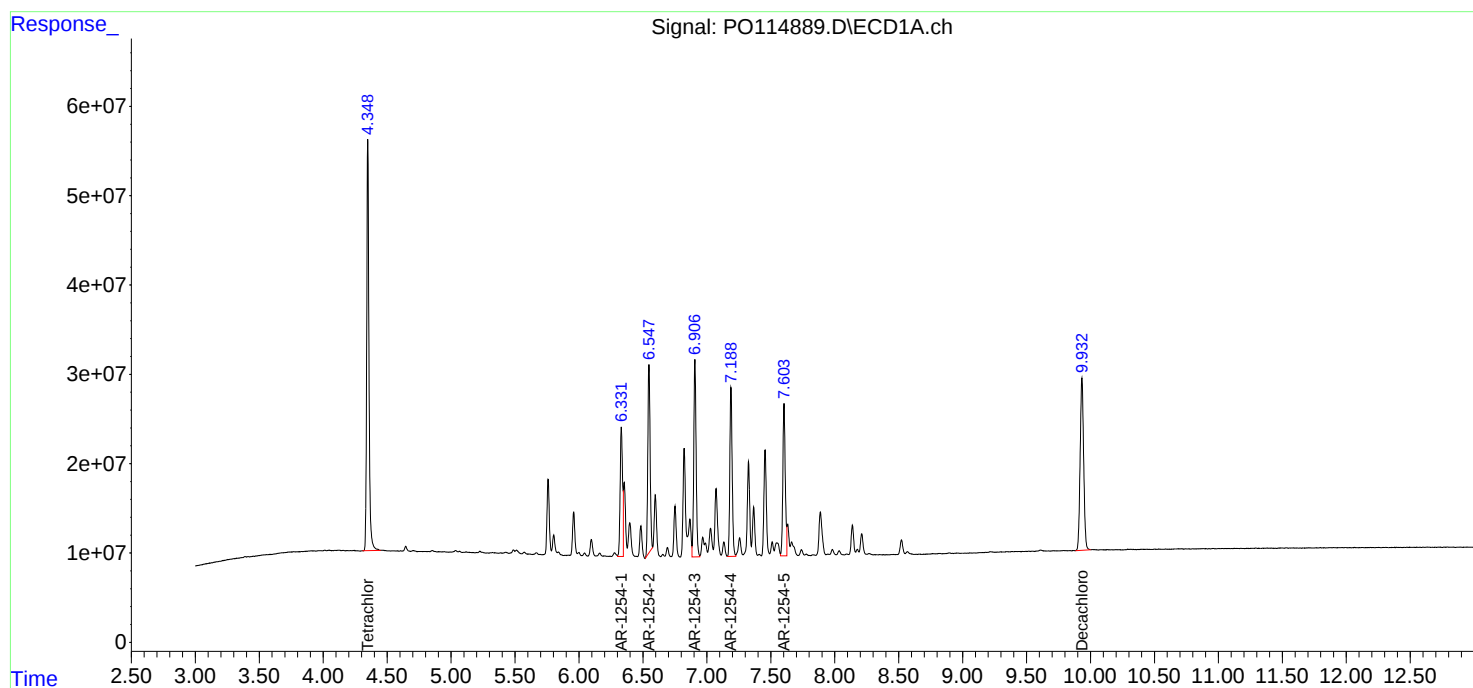
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 15:09
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: Nov 05 05:36:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 05:33:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114890.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 15:28
 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: Nov 05 05:36:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 05:33:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.349	3.649	390.1E6	252.2E6	50.000	50.000
2) SA Decachlor...	9.932	8.642	253.1E6	230.2E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.331	5.527	129.4E6	150.1E6	500.000	500.000
27) L6 AR-1254-2	6.547	5.674	185.8E6	134.0E6	500.000	500.000
28) L6 AR-1254-3	6.907	6.076	198.5E6	215.3E6	500.000	500.000
29) L6 AR-1254-4	7.189	6.304	168.4E6	152.5E6	500.000	500.000
30) L6 AR-1254-5	7.603	6.720	156.1E6	204.7E6	500.000	500.000

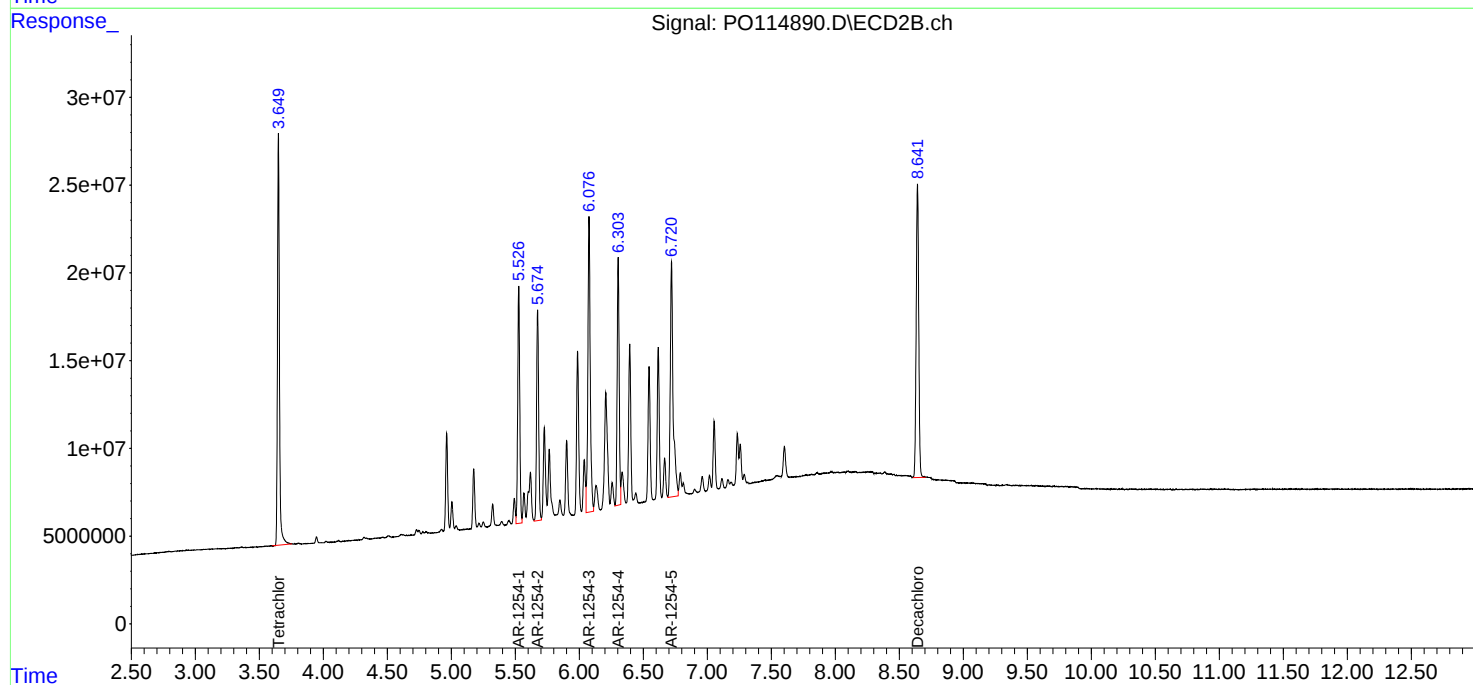
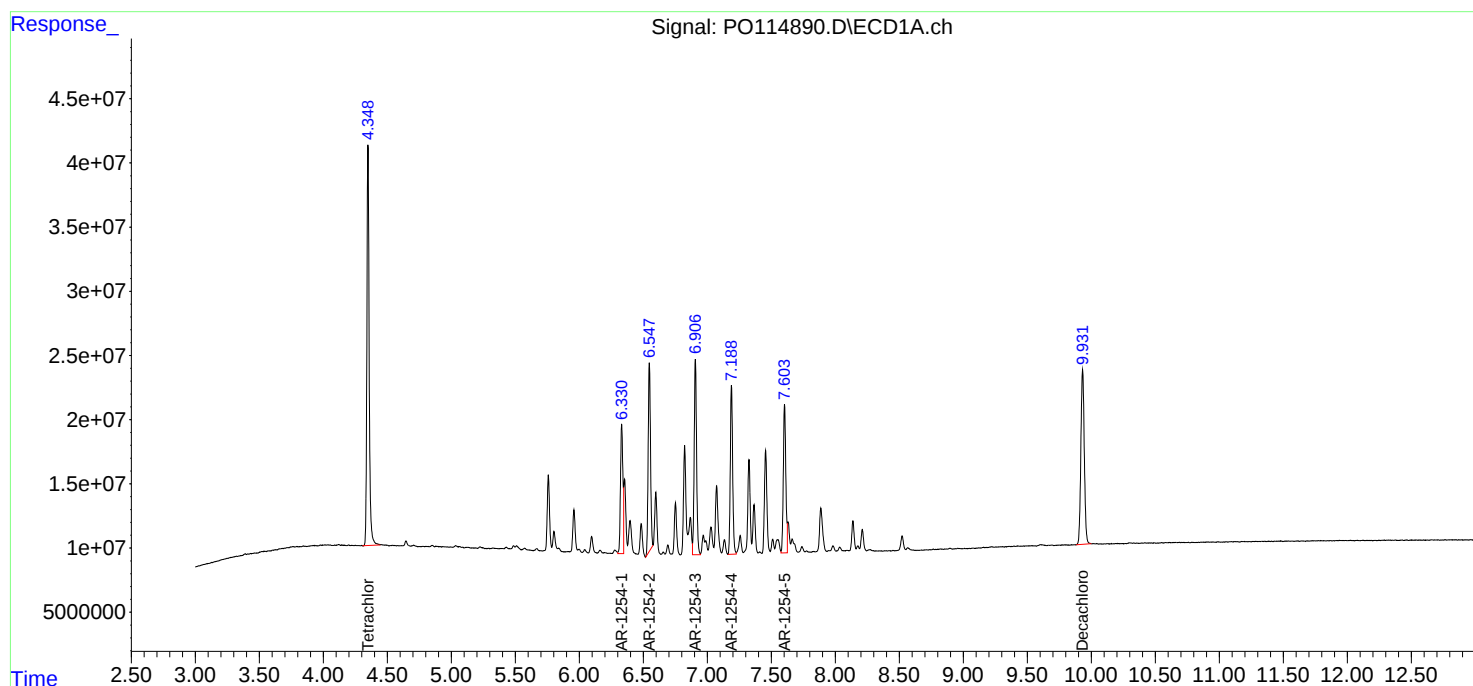
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 15:28
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: Nov 05 05:36:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 05:33:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114891.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 16:04
 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: Nov 05 05:36:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 05:33:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.349	3.649	187.0E6	121.9E6	23.973	24.169
2)	SA Decachlor...	9.932	8.642	120.8E6	113.3E6	23.861	24.611
Target Compounds							
26)	L6 AR-1254-1	6.331	5.527	64268788	74980905	248.367	249.734
27)	L6 AR-1254-2	6.548	5.674	92224254	67079510	248.188	250.312
28)	L6 AR-1254-3	6.907	6.076	96073294	106.6E6	241.992	247.668
29)	L6 AR-1254-4	7.189	6.304	81726238	75488880	242.626	247.482
30)	L6 AR-1254-5	7.604	6.720	75118696	99522496	240.645	243.035

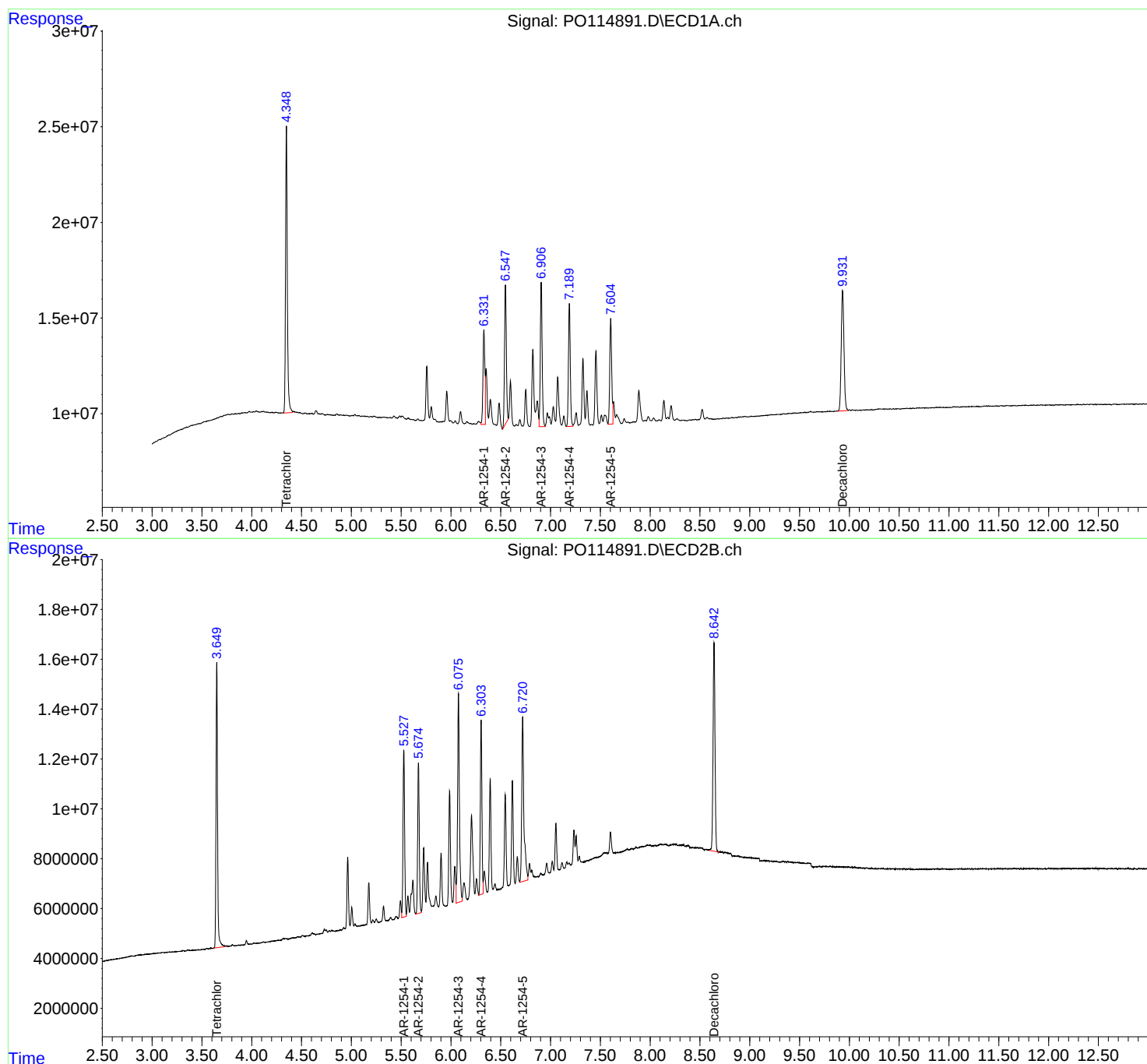
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
Data File : PO114891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 16:04
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 05:36:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 05:33:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114892.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 16:23
 Operator : YP/AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 05:37:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 05:33:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.648	37040207	24215180	4.747	4.801
2) SA Decachlor...	9.931	8.642	23309156	21360673	4.605m	4.639
Target Compounds						
26) L6 AR-1254-1	6.330	5.526	13164962	17052798	50.876m	56.797
27) L6 AR-1254-2	6.547	5.674	20609241	15656147	55.462m	58.422
28) L6 AR-1254-3	6.907	6.076	19483947	22264737	49.077	51.713
29) L6 AR-1254-4	7.188	6.303	17143593	15015311	50.895m	49.226
30) L6 AR-1254-5	7.604	6.720	15028663	20100339	48.145	49.085

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 16:23
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

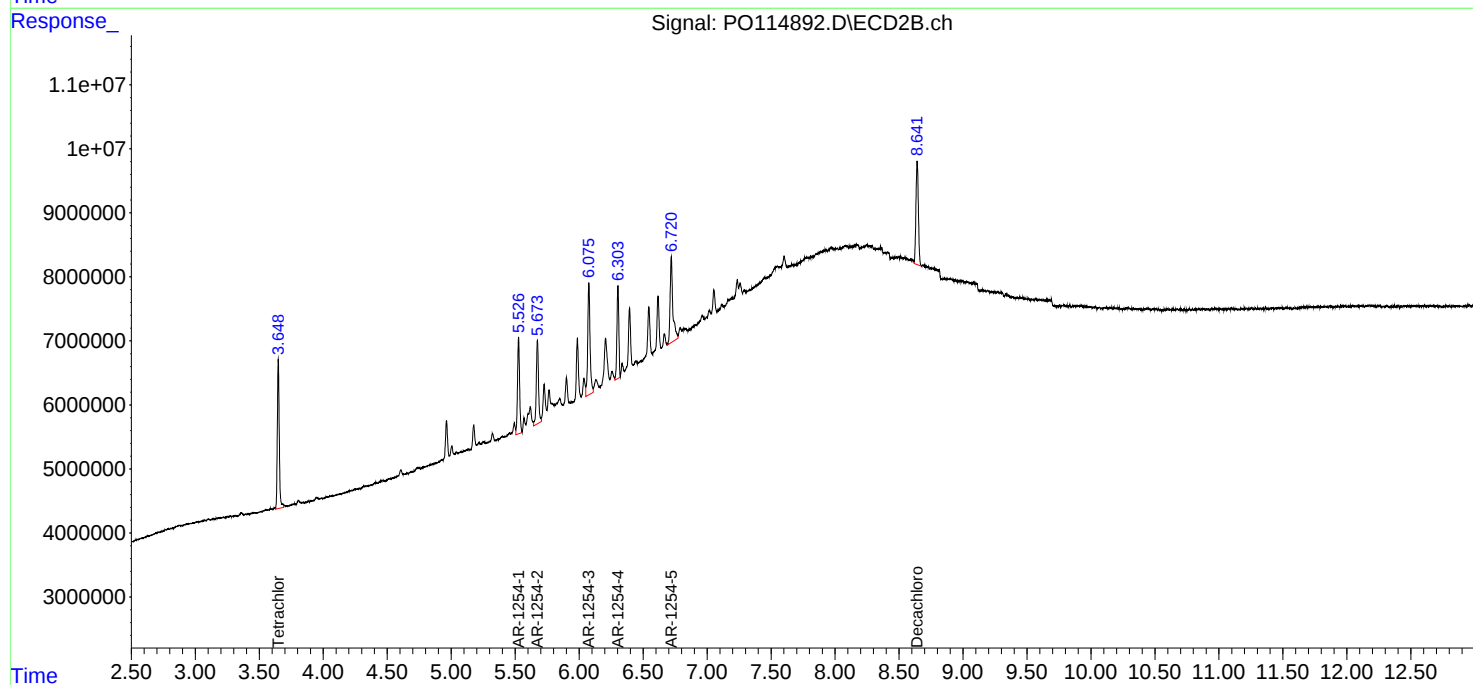
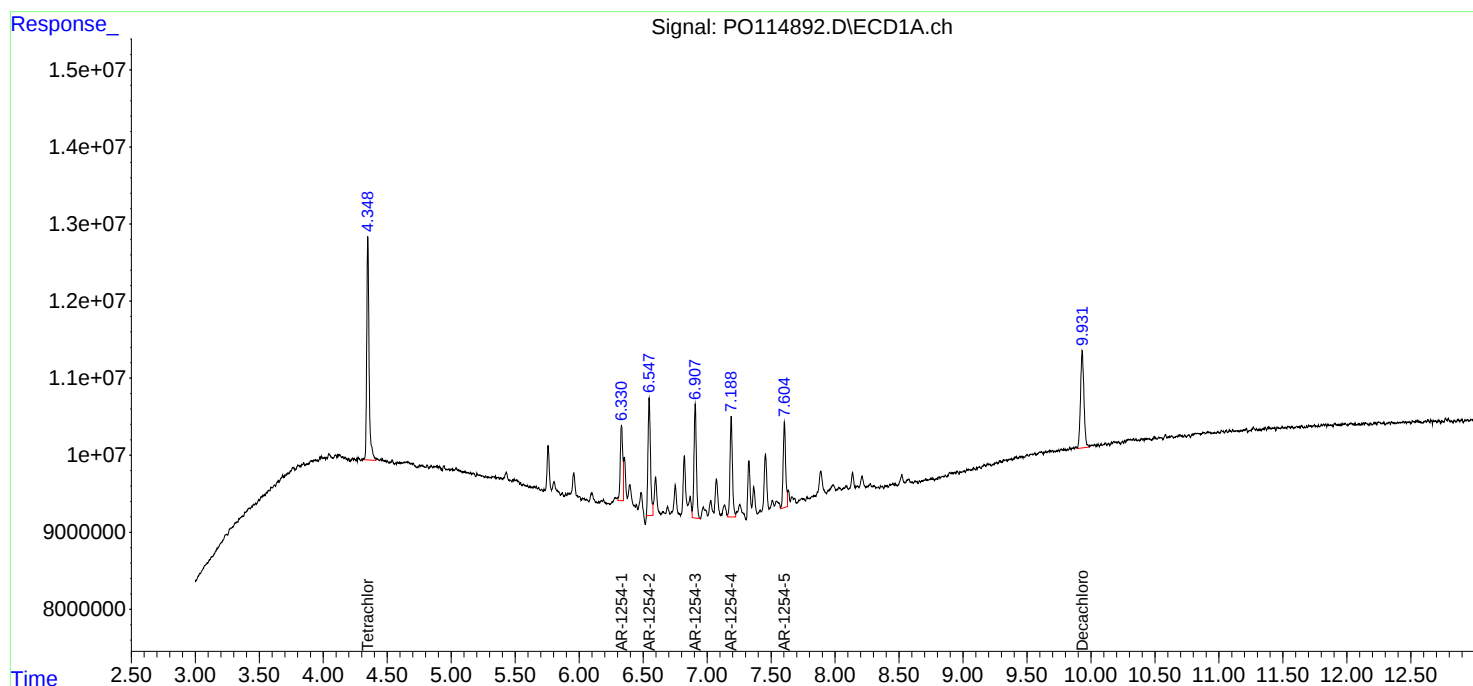
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 05:37:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 05:33:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114893.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 17:00
 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: Nov 05 01:08:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:07:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.368	3.649	362.5E6	234.2E6	50.000	50.000
2) SA Decachlor...	9.952	8.641	223.0E6	207.7E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	7.703	6.759	226.7E6	247.1E6	500.000	500.000
37) L8 AR-1262-2	8.231	7.258	353.6E6	397.5E6	500.000	500.000
38) L8 AR-1262-3	8.534	7.542	225.7E6	164.5E6	500.000	500.000
39) L8 AR-1262-4	8.616	7.605	168.1E6	269.1E6	500.000	500.000
40) L8 AR-1262-5	9.236	8.097	120.9E6	119.0E6	500.000	500.000

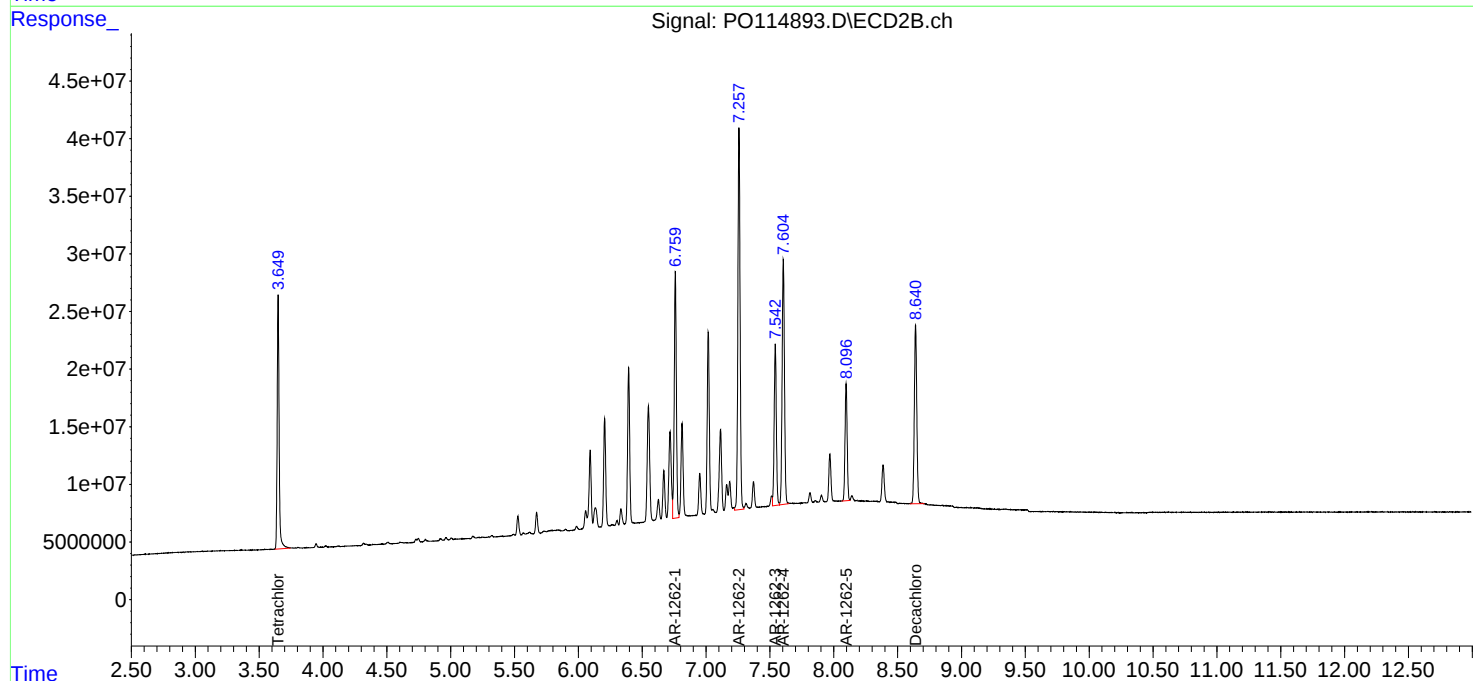
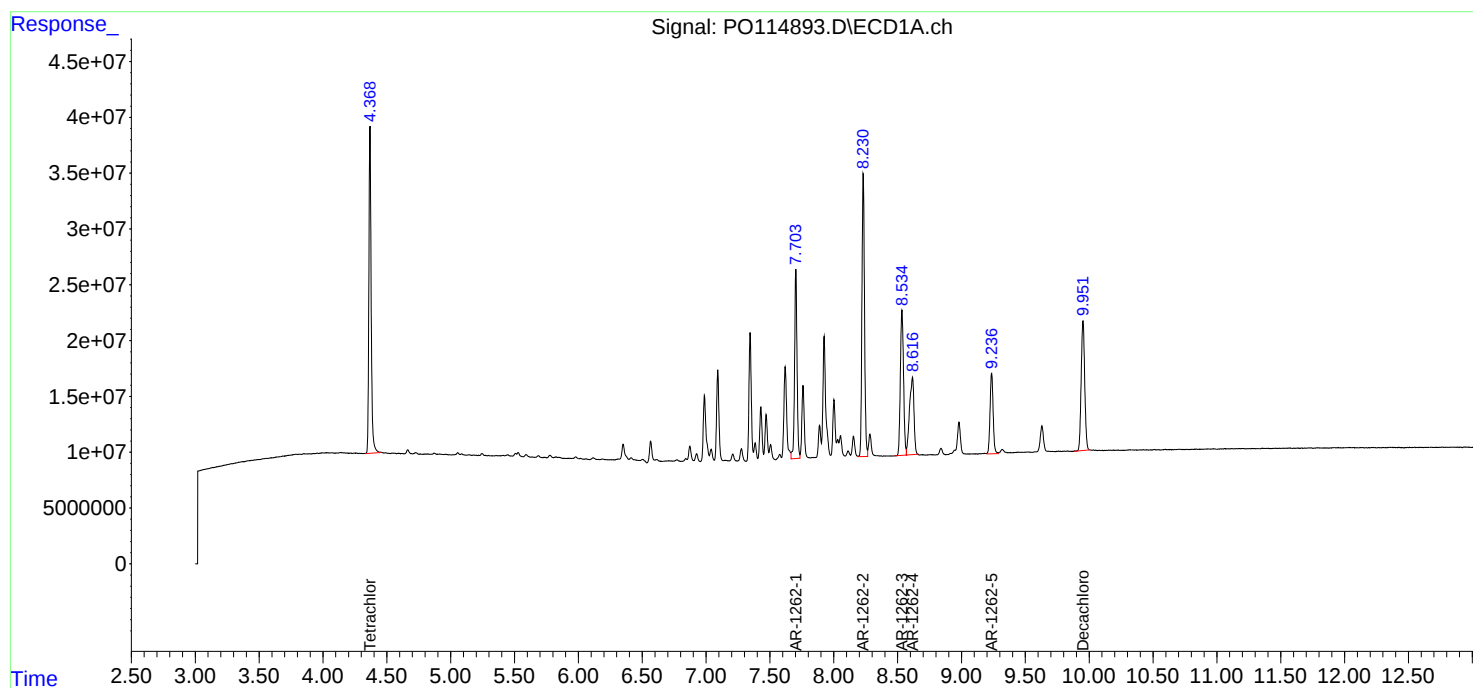
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 17:00
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: Nov 05 01:08:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:07:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 17:18
 Operator : YP/AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 01:23:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:21:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.349	3.649	747.6E6	479.2E6	97.655	97.469
2) SA Decachlor...	9.931	8.642	828.8E6	735.0E6	97.454	95.377
Target Compounds						
41) L9 AR-1268-1	8.511	7.542	876.3E6	948.8E6	981.231	966.485
42) L9 AR-1268-2	8.599	7.606	748.3E6	784.3E6	977.544	966.821
43) L9 AR-1268-3	8.820	7.814	663.3E6	672.6E6	975.632	966.815
44) L9 AR-1268-4	9.216	8.097	274.2E6	270.9E6	971.116	967.067
45) L9 AR-1268-5	9.609	8.387	1966.6E6	1768.5E6	990.357	972.552

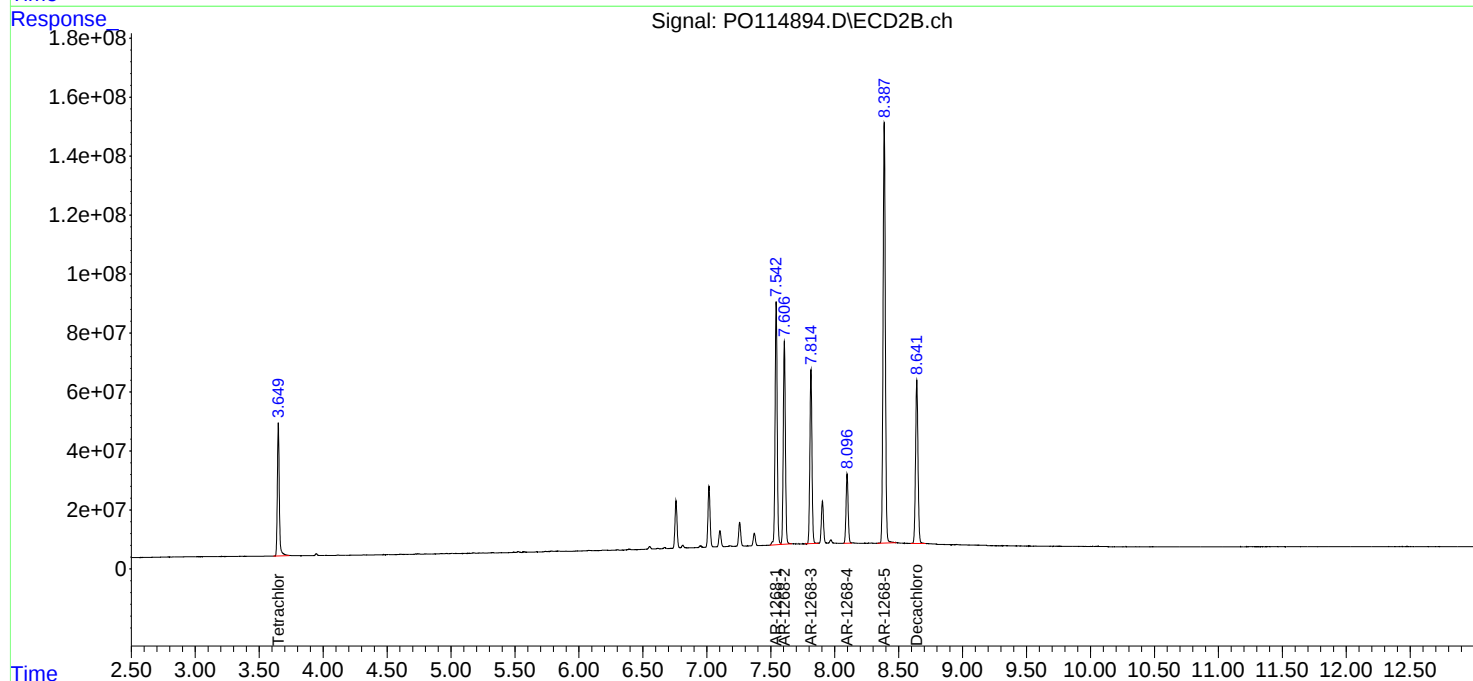
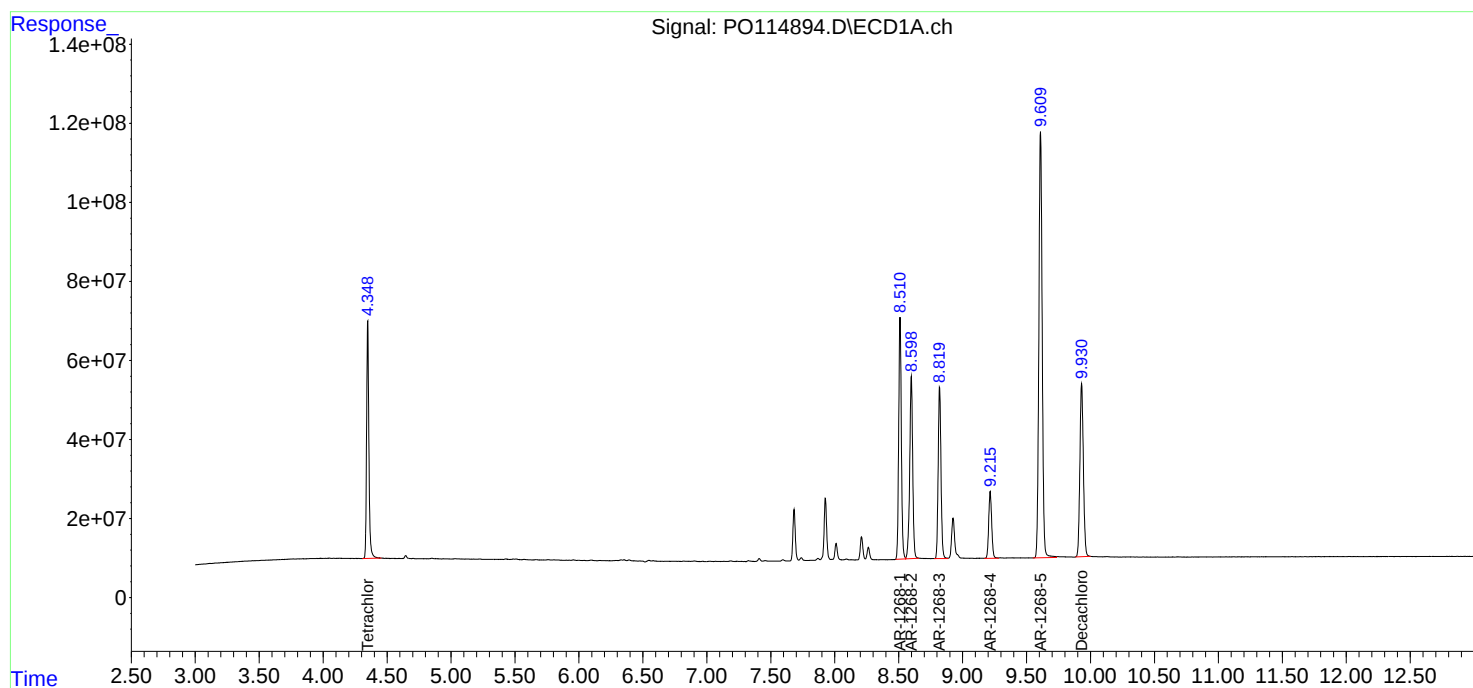
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
Data File : PO114894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 17:18
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 01:23:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:21:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114895.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 17:36
 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: Nov 05 01:23:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:21:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	572.8E6	367.7E6	74.818	74.796
2) SA Decachlor...	9.932	8.641	629.7E6	557.8E6	74.043	72.388
Target Compounds						
41) L9 AR-1268-1	8.510	7.542	664.3E6	724.0E6	743.849	737.521
42) L9 AR-1268-2	8.599	7.606	567.3E6	597.5E6	740.998	736.564
43) L9 AR-1268-3	8.819	7.814	504.1E6	511.1E6	741.416	734.677
44) L9 AR-1268-4	9.215	8.096	208.1E6	206.6E6	737.304	737.457
45) L9 AR-1268-5	9.609	8.387	1484.6E6	1339.5E6	747.625	736.619

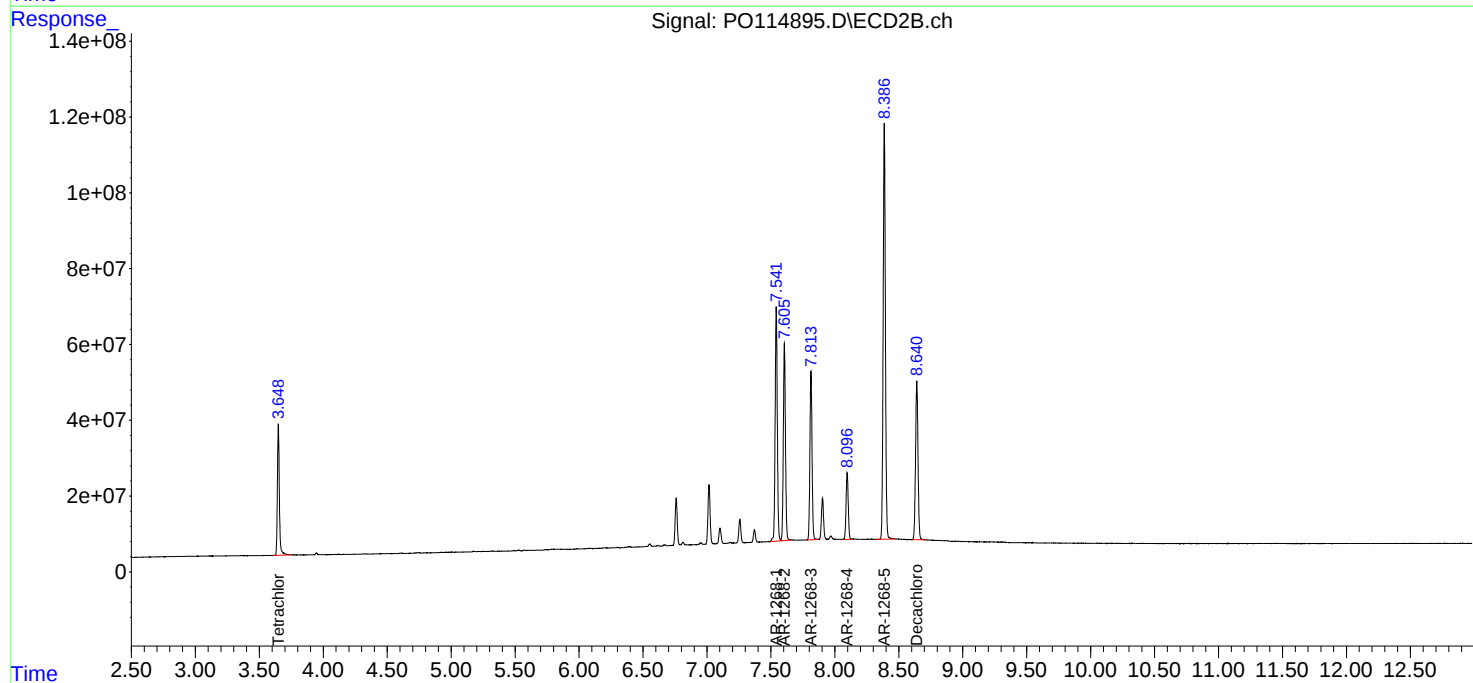
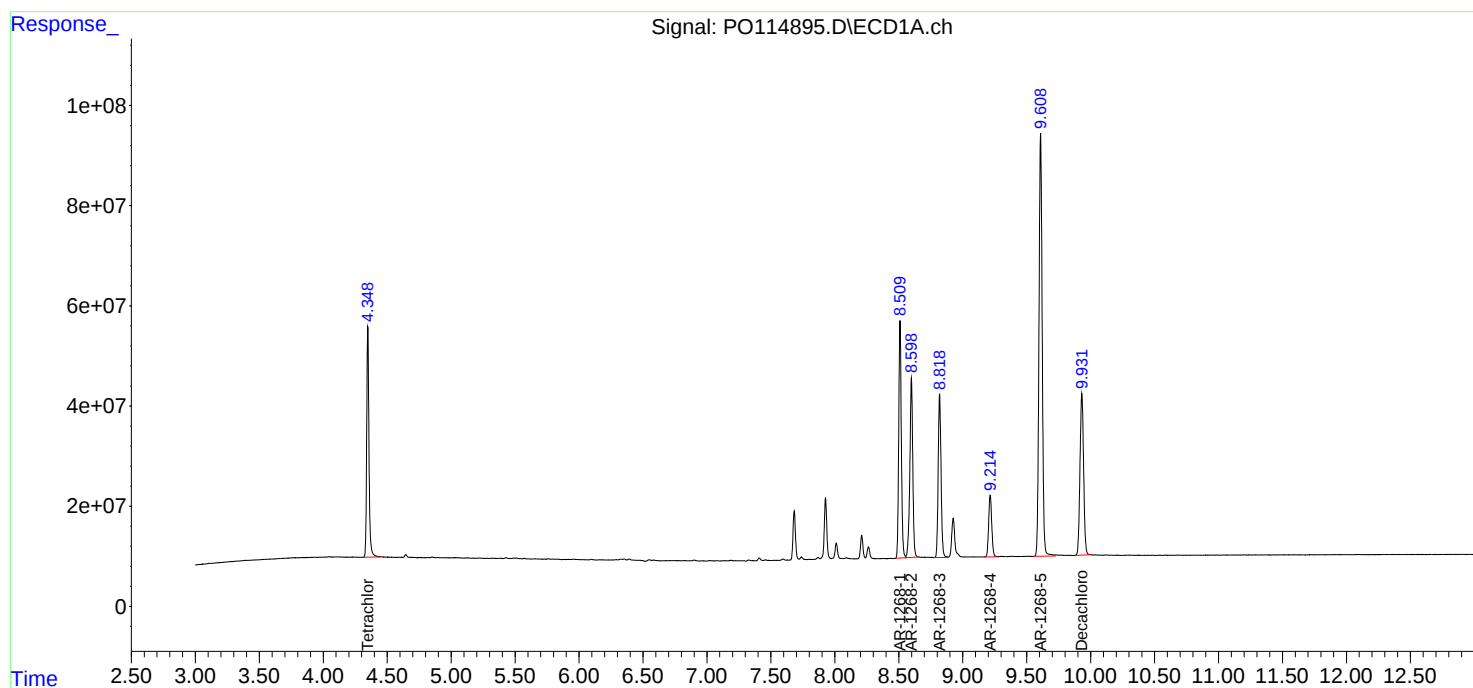
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
Data File : PO114895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 17:36
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 01:23:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:21:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114896.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 17:55
 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: Nov 05 01:23:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:21:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	382.8E6	245.8E6	50.000	50.000
2) SA Decachlor...	9.931	8.641	425.2E6	385.3E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.510	7.542	446.5E6	490.9E6	500.000	500.000
42) L9 AR-1268-2	8.598	7.606	382.8E6	405.6E6	500.000	500.000
43) L9 AR-1268-3	8.820	7.814	339.9E6	347.9E6	500.000	500.000
44) L9 AR-1268-4	9.215	8.096	141.2E6	140.0E6	500.000	500.000
45) L9 AR-1268-5	9.609	8.387	992.9E6	909.2E6	500.000	500.000

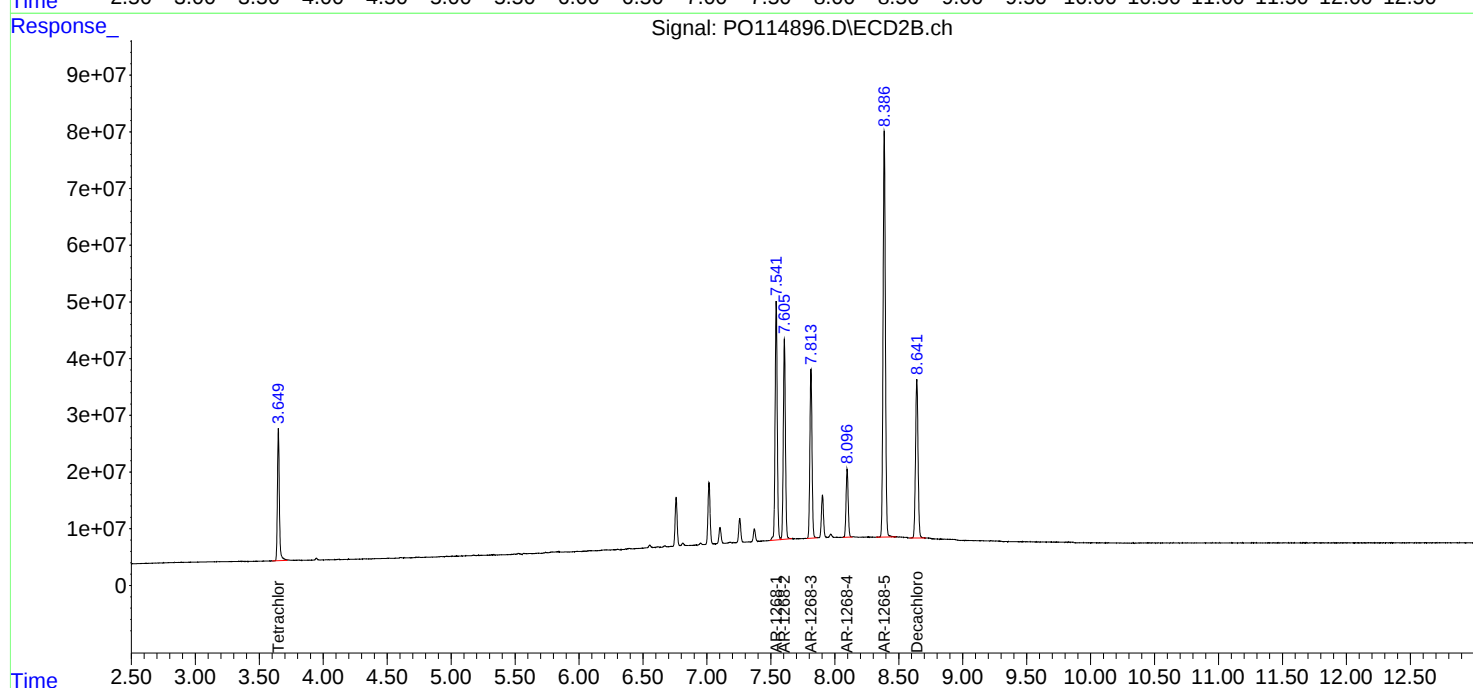
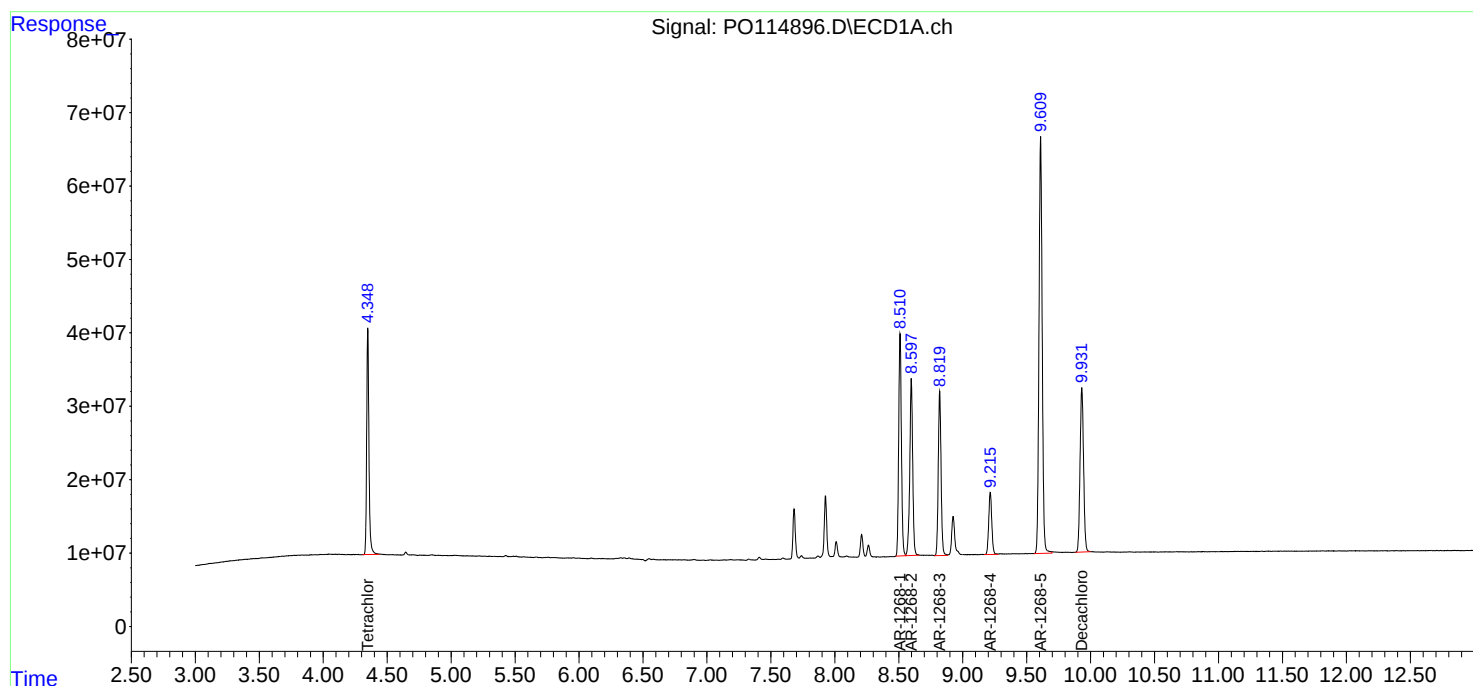
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
Data File : PO114896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 17:55
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 01:23:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:21:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114897.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 18:13
 Operator : YP/AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC250

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 01:23:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:21:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	189.9E6	122.1E6	24.810	24.834
2) SA Decachlor...	9.932	8.641	210.5E6	196.5E6	24.748	25.504
Target Compounds						
41) L9 AR-1268-1	8.511	7.541	221.9E6	248.4E6	248.457	253.017m
42) L9 AR-1268-2	8.599	7.605	190.0E6	204.3E6	248.168	251.781
43) L9 AR-1268-3	8.820	7.813	167.9E6	174.1E6	246.983	250.180
44) L9 AR-1268-4	9.216	8.096	70540429	70593070	249.869	252.040
45) L9 AR-1268-5	9.610	8.387	489.2E6	458.0E6	246.358	251.855

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 18:13
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

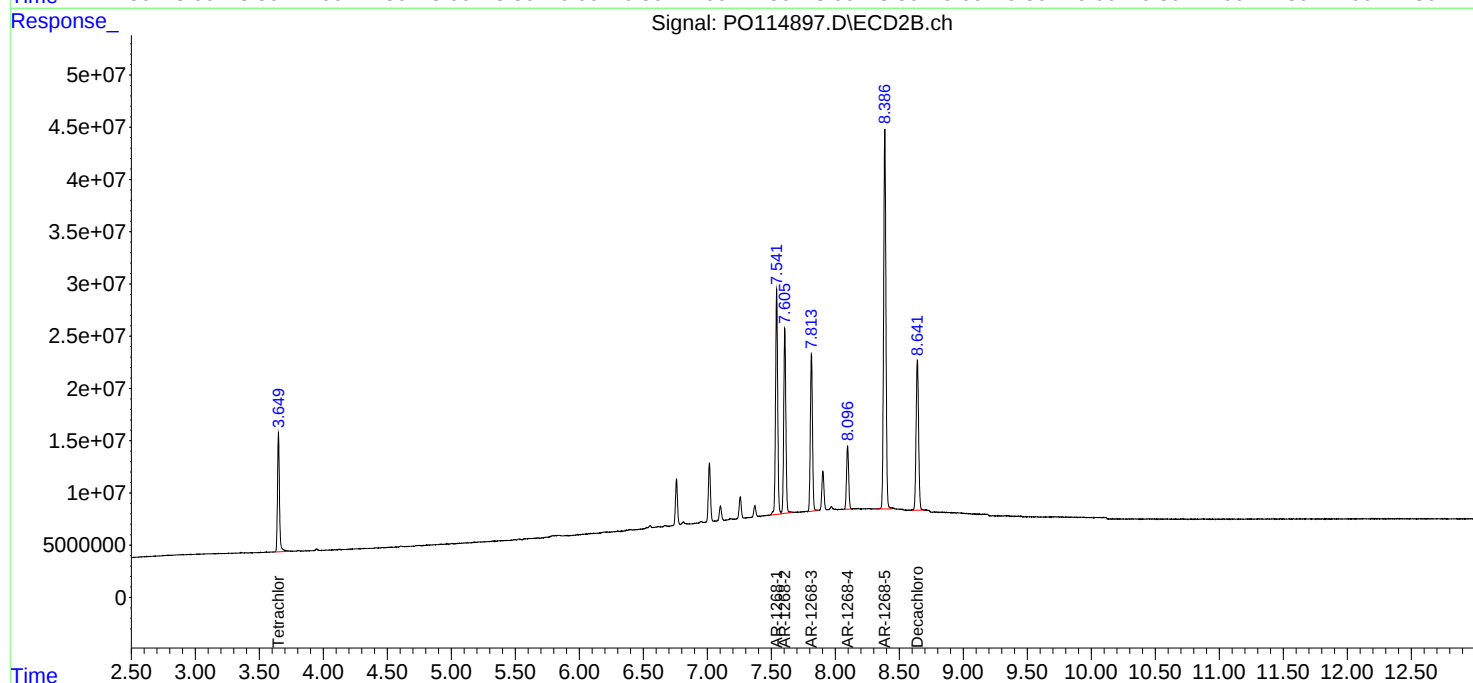
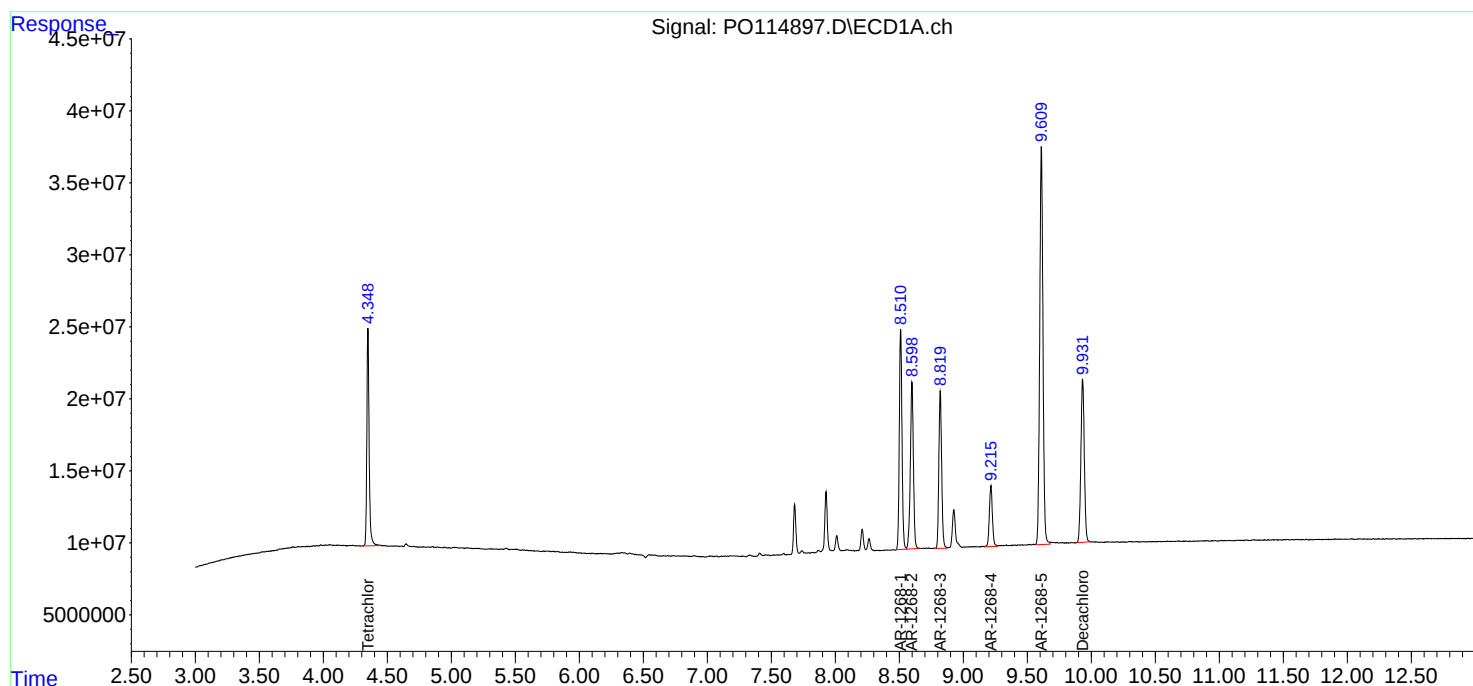
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 01:23:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:21:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114898.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 18:31
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 01:23:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:21:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.648	35607202	23620780	4.651	4.805
2) SA Decachlor...	9.931	8.640	38610556	41609899	4.540	5.400
Target Compounds						
41) L9 AR-1268-1	8.511	7.542	40675439	49554127	45.547	50.476
42) L9 AR-1268-2	8.599	7.606	35140218	38446458	45.903	47.393
43) L9 AR-1268-3	8.820	7.814	30894342	31638164	45.442	45.475
44) L9 AR-1268-4	9.214	8.096	14340449	13380470	50.797	47.773
45) L9 AR-1268-5	9.609	8.387	90370817	85884170	45.510	47.229

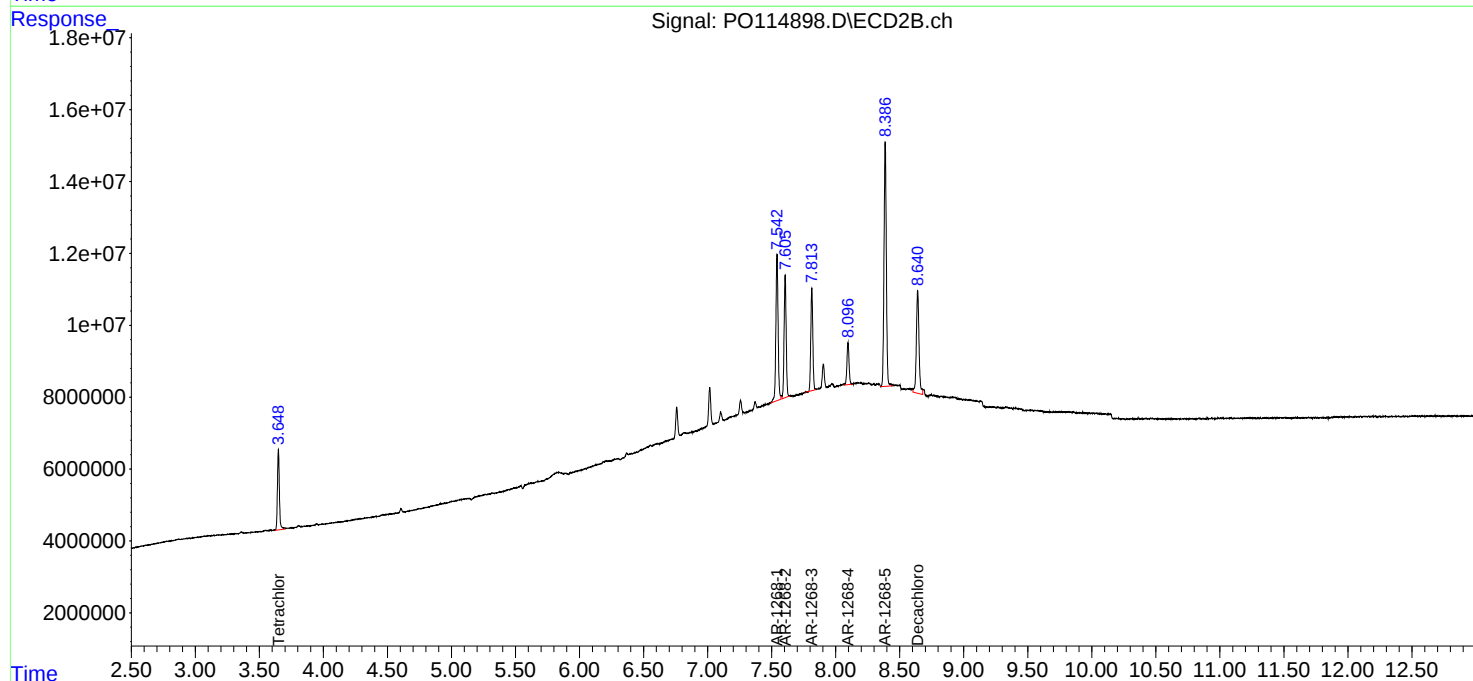
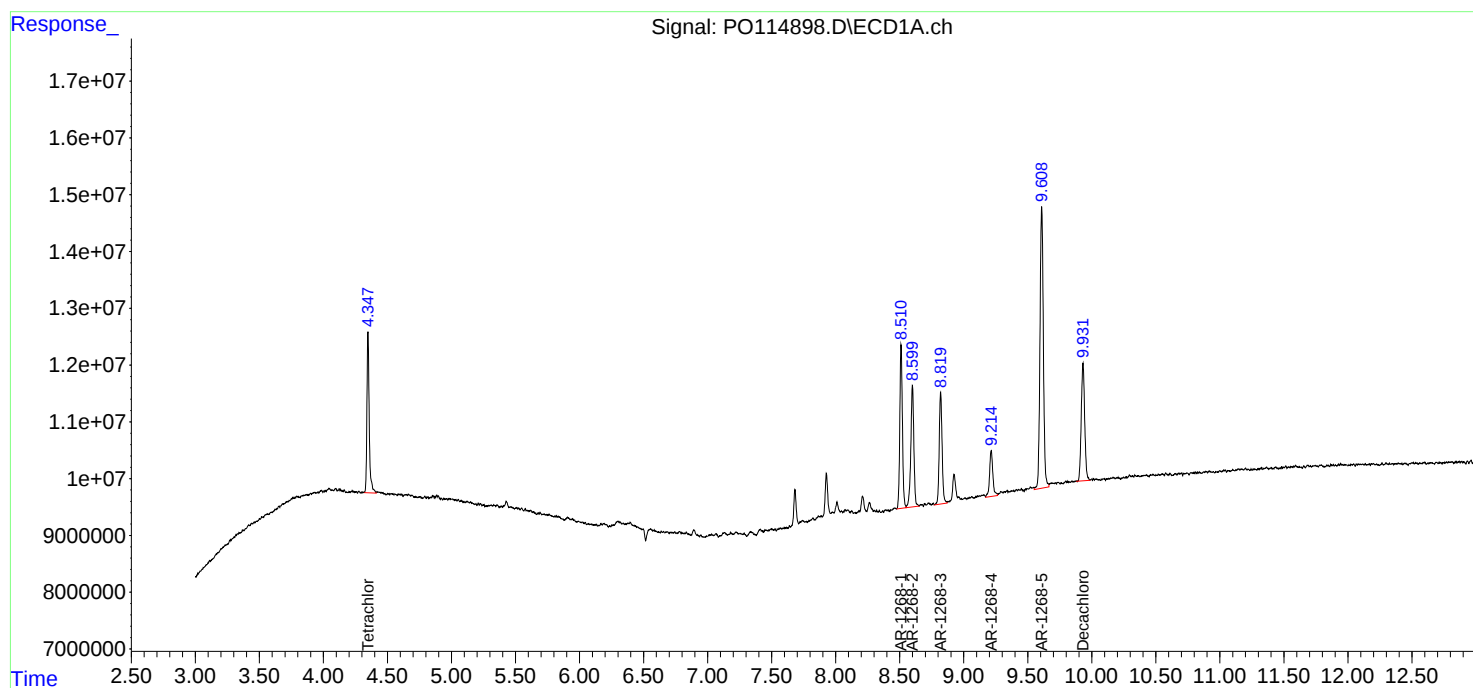
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 18:31
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 01:23:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:21:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114899.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 19:08
 Operator : YP/AJ
 Sample : PO110425ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO110425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 02:03:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 02:02:35 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.348	3.649	350.6E6	216.0E6	49.817	48.358
2)	SA Decachlor...	9.932	8.640	217.2E6	202.0E6	49.145	51.742
Target Compounds							
3)	L1 AR-1016-1	5.487	4.728	119.9E6	92647170	487.281	486.962
4)	L1 AR-1016-2	5.508	4.747	193.0E6	132.4E6	485.938	488.627
5)	L1 AR-1016-3	5.570	4.921	110.7E6	72980433	496.242	493.200
6)	L1 AR-1016-4	5.666	4.963	92089690	57444659	487.569	489.233
7)	L1 AR-1016-5	5.957	5.176	84866211	74982175	476.249	490.999
31)	L7 AR-1260-1	7.071	6.205	144.7E6	141.9E6	473.335	479.180
32)	L7 AR-1260-2	7.325	6.393	200.2E6	209.0E6	505.658	486.103
33)	L7 AR-1260-3	7.682	6.546	167.5E6	170.3E6	504.732	484.991
34)	L7 AR-1260-4	7.904	7.017	152.7E6	150.0E6	500.629	495.013
35)	L7 AR-1260-5	8.210	7.257	350.1E6	404.4E6	490.903	492.224

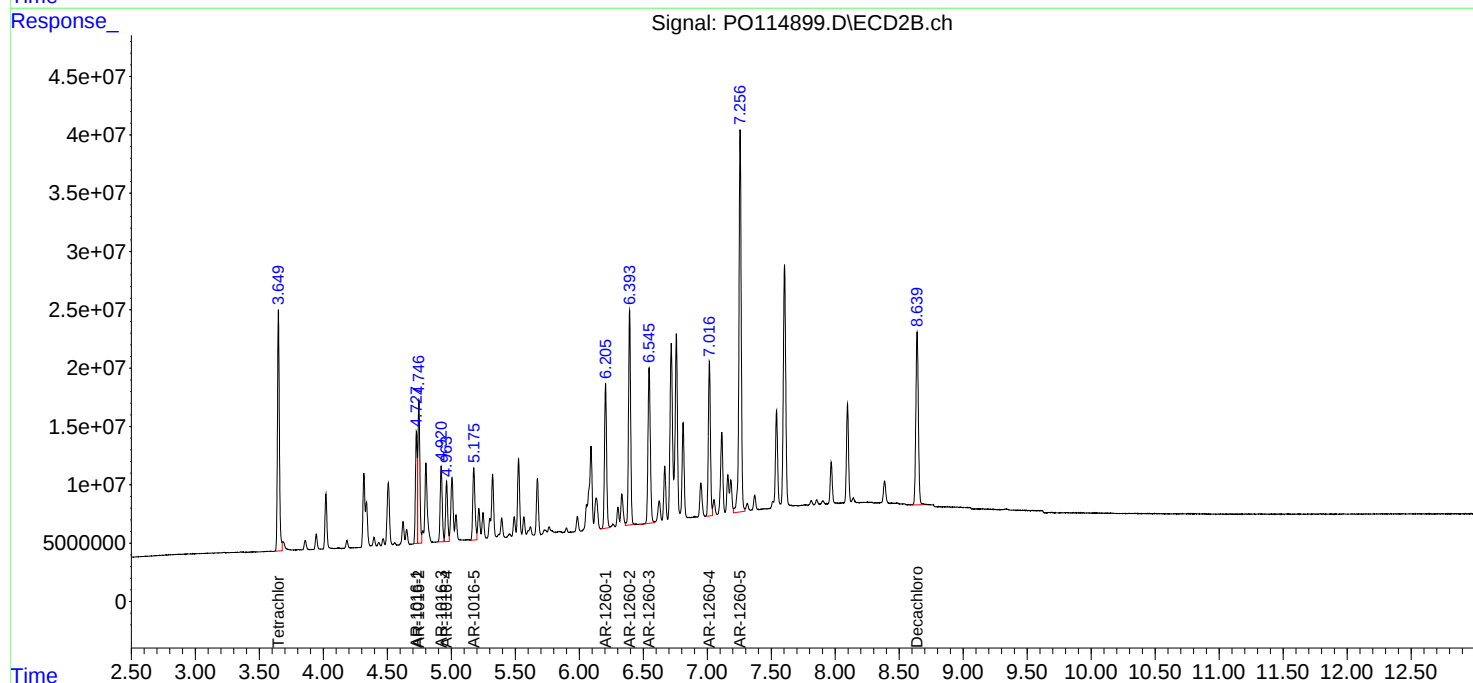
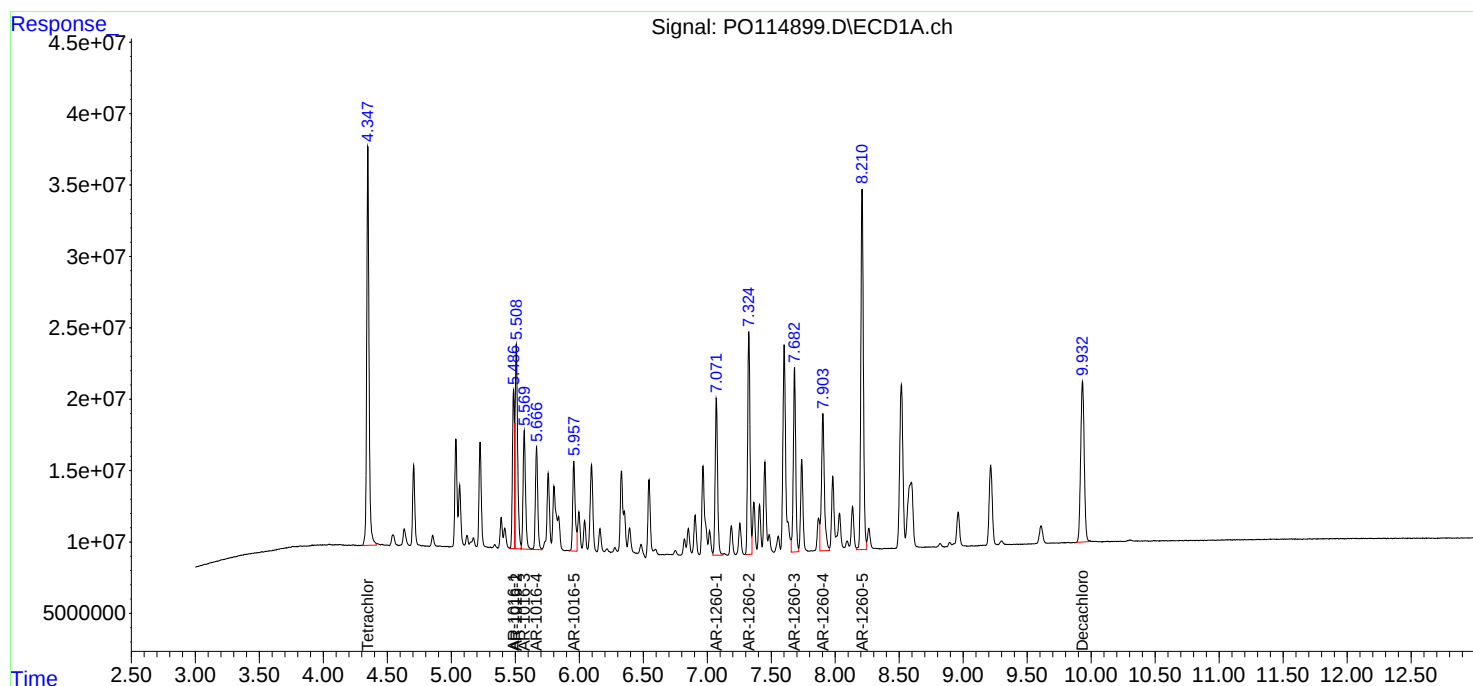
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
Data File : PO114899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 19:08
Operator : YP/AJ
Sample : PO110425ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
ICVPO110425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 02:03:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 02:02:35 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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\PO110425\
 Data File : PO114900.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 20:21
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO110425AR1242

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 01:57:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:57:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	369.9E6	227.0E6	50.980	48.485
2) SA Decachlor...	9.932	8.639	237.1E6	216.0E6	50.883	50.180
Target Compounds						
16) L4 AR-1242-1	5.486	4.727	91685645	72678150	492.296m	497.041
17) L4 AR-1242-2	5.508	4.747	146.5E6	102.4E6	490.193m	494.324
18) L4 AR-1242-3	5.570	4.921	84401159	56402697	492.512m	503.697
19) L4 AR-1242-4	5.666	5.005	70483519	53471210	492.260m	499.119
20) L4 AR-1242-5	6.393	5.525	75170815	70192007	533.288	491.136

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114900.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 20:21
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

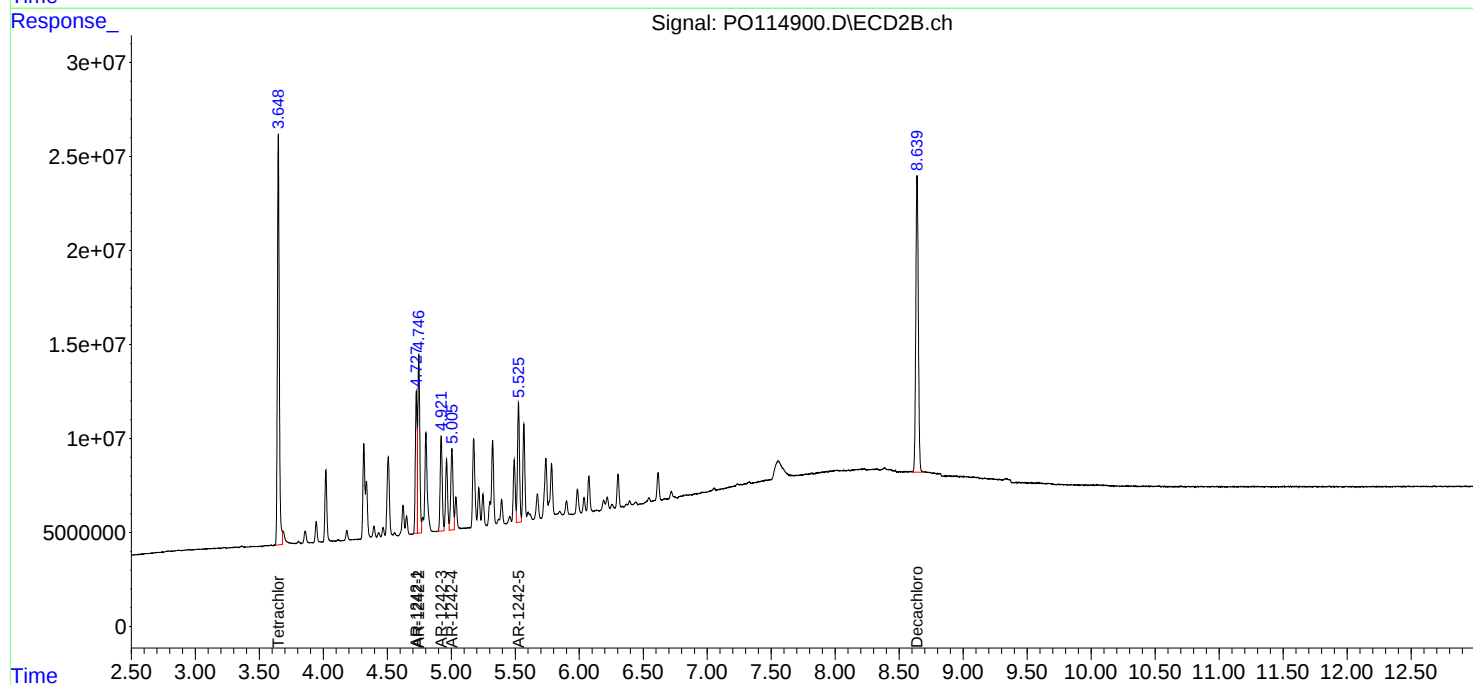
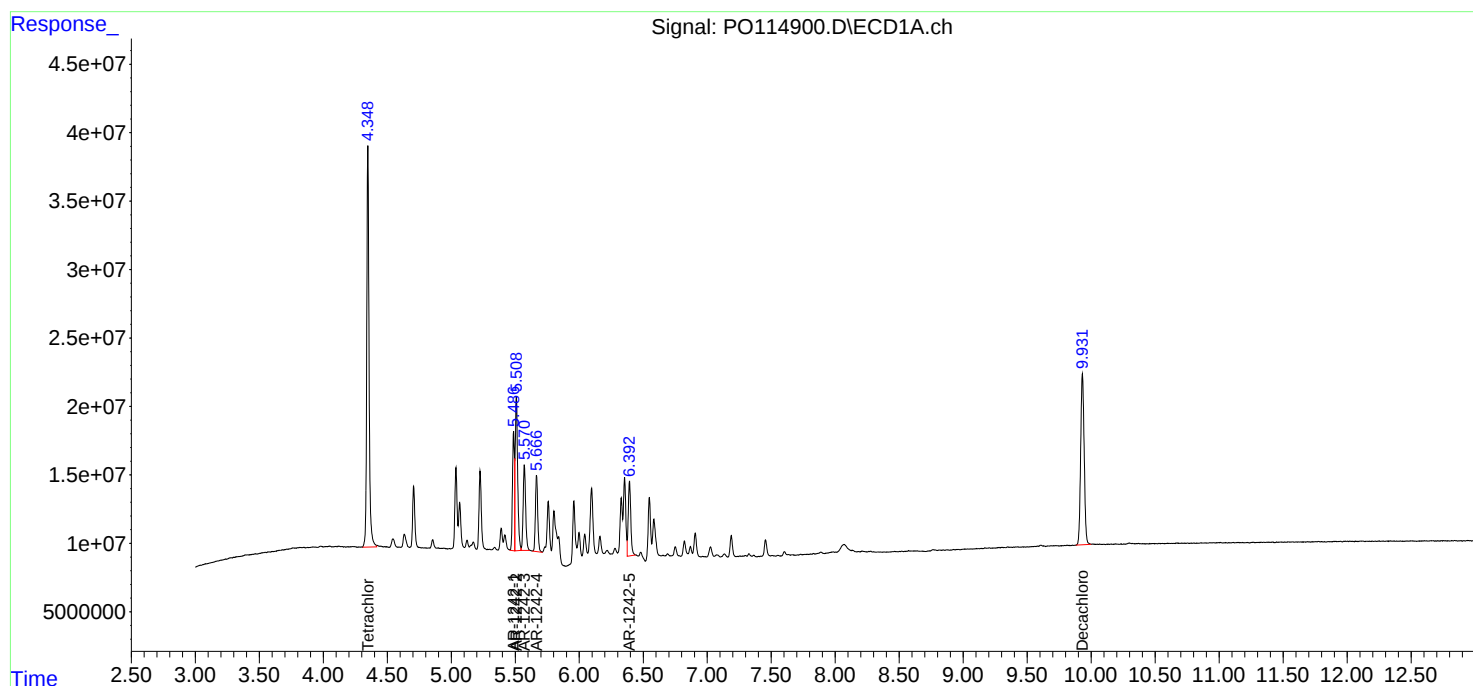
Instrument :
ECD_O
ClientSampleId :
ICVPO110425AR1242

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 01:57:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:57:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114901.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 20:58
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO110425AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 01:49:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:49:02 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	364.4E6	233.5E6	49.370	48.616
2) SA Decachlor...	9.931	8.640	231.0E6	213.4E6	50.545	50.607
Target Compounds						
21) L5 AR-1248-1	5.487	4.727	67941811	53066852	485.834	485.472
22) L5 AR-1248-2	5.758	4.963	96189175	72201389	494.605	484.897
23) L5 AR-1248-3	5.958	5.005	104.8E6	75367544	497.247	484.966
24) L5 AR-1248-4	6.354	5.175	125.7E6	89630325	497.795	489.109
25) L5 AR-1248-5	6.393	5.567	118.0E6	89347145	500.480	484.717

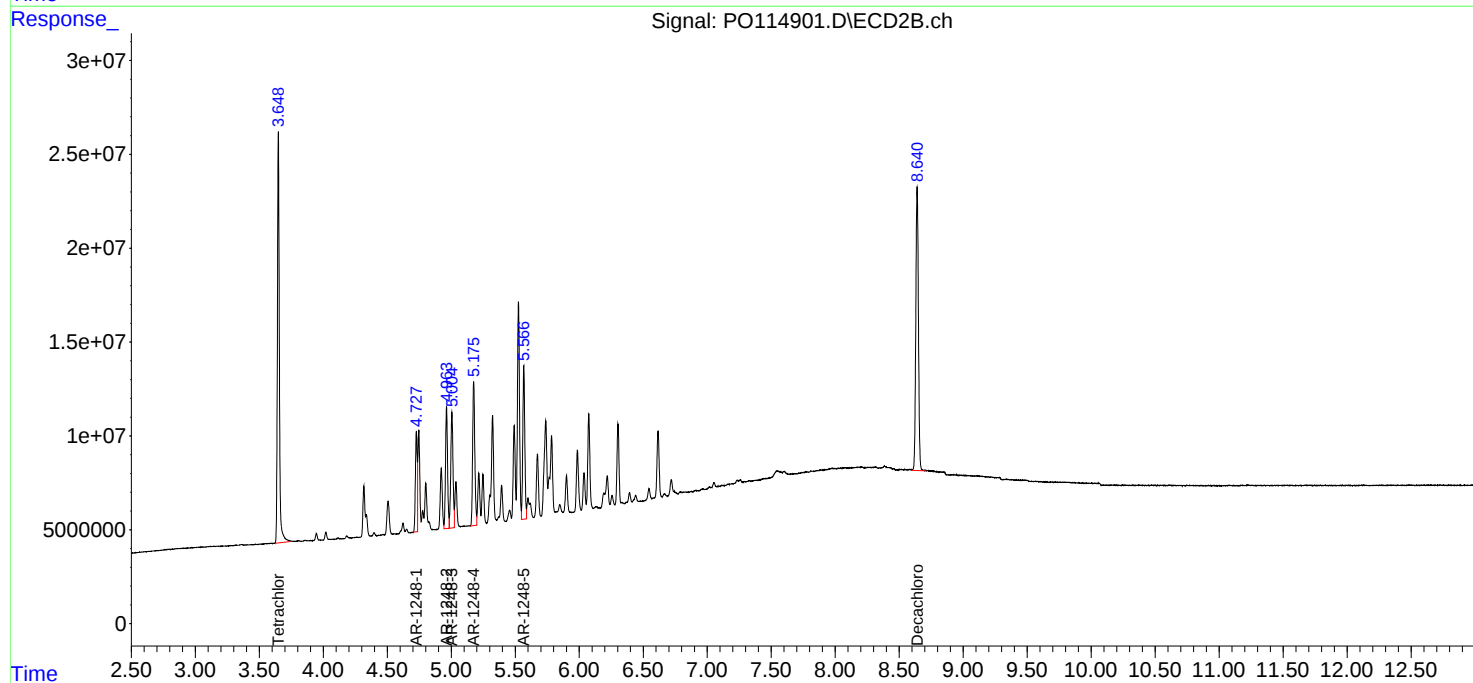
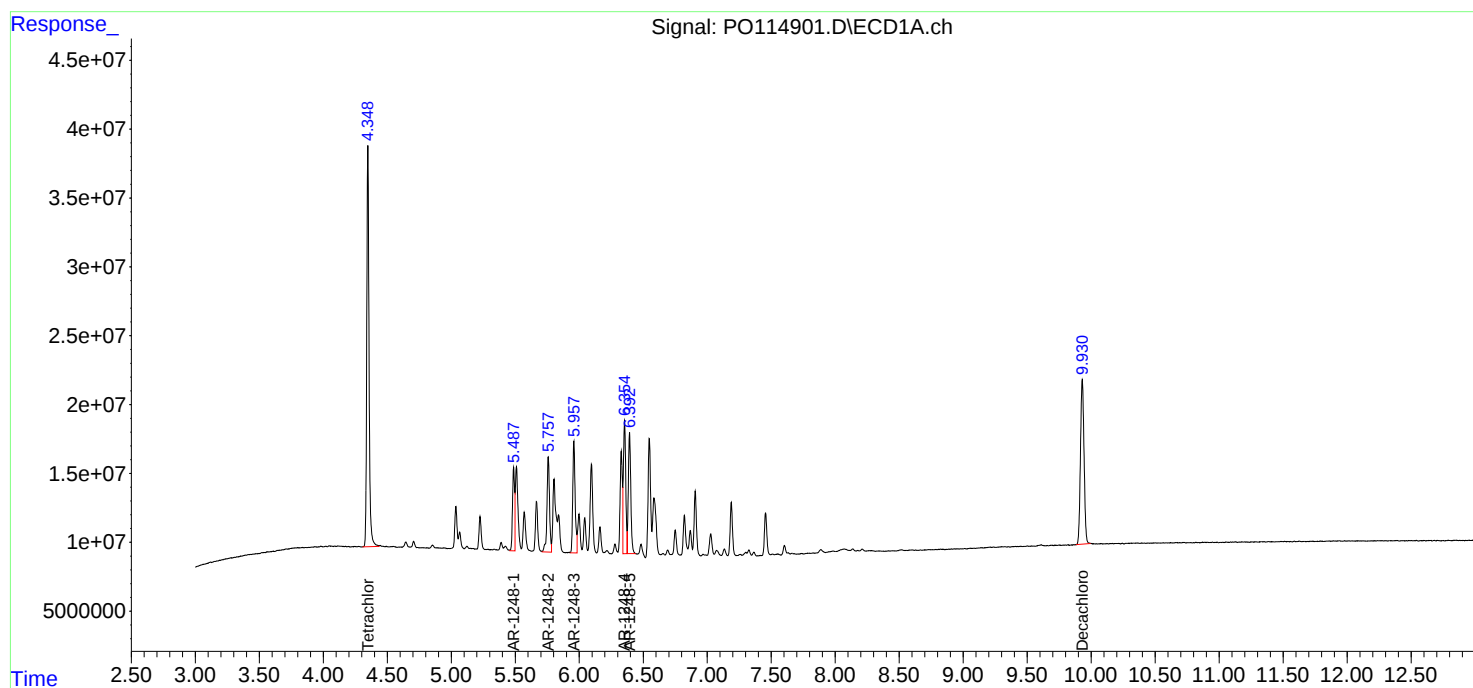
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 20:58
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO110425AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 01:49:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:49:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
 Data File : PO114902.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 21:35
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO110425AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 05:47:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 05:47:04 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...	4.348	3.649	365.7E6	233.3E6	48.598	47.717
2) SA Decachlor...	9.931	8.640	237.7E6	218.5E6	49.015	49.554
Target Compounds						
26) L6 AR-1254-1	6.331	5.526	122.7E6	141.2E6	484.213	470.374
27) L6 AR-1254-2	6.546	5.673	176.1E6	124.6E6	475.284	462.124
28) L6 AR-1254-3	6.906	6.075	193.7E6	200.1E6	503.340	473.848
29) L6 AR-1254-4	7.188	6.302	159.9E6	143.9E6	486.428	484.000
30) L6 AR-1254-5	7.603	6.719	147.9E6	190.6E6	490.023	479.436

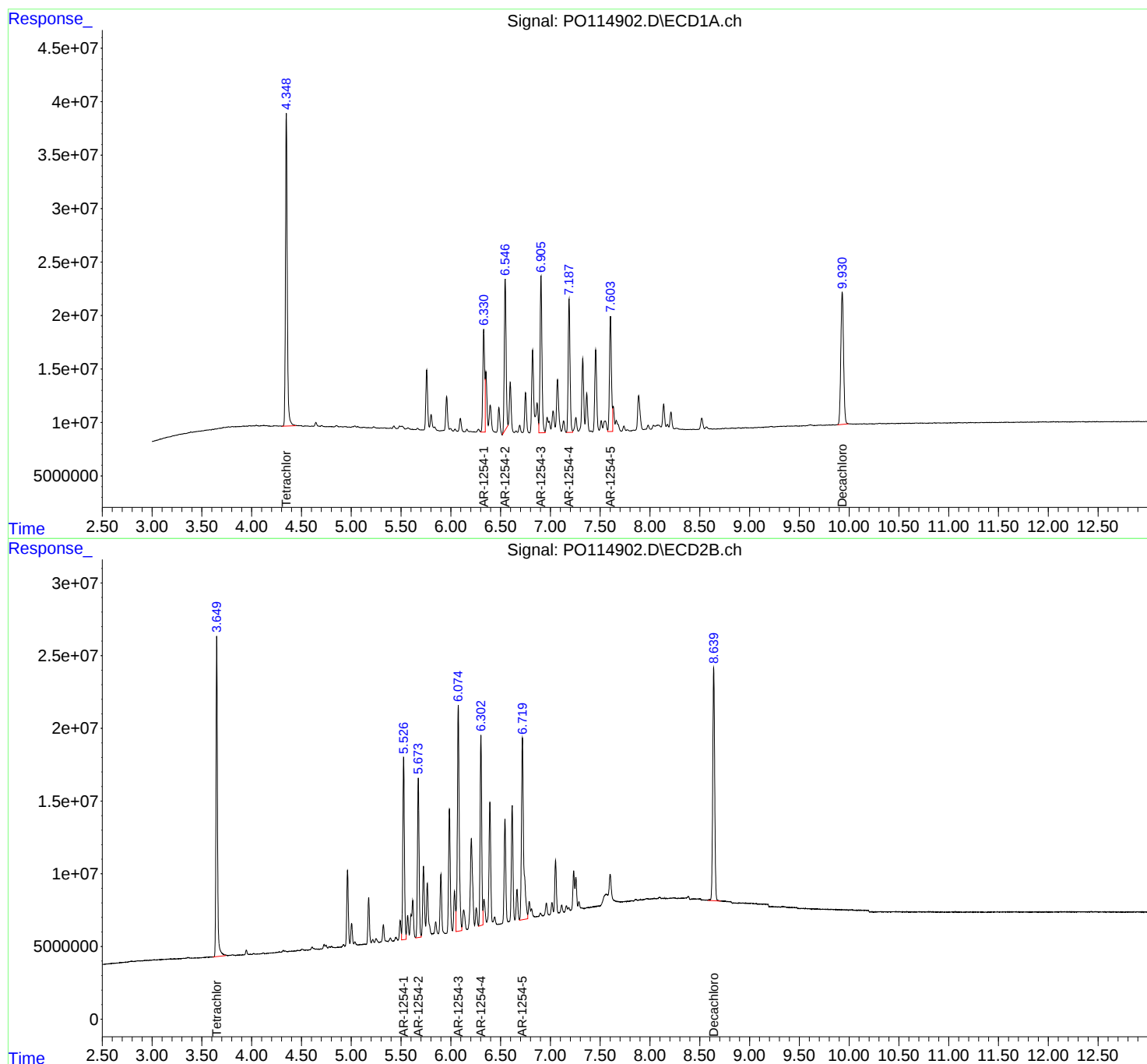
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 21:35
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO110425AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 05:47:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 05:47:04 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\PO110425\
 Data File : PO114903.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 22:12
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO110425AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 01:39:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 01:38:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.647	376.8E6	240.7E6	50.252	49.688
2) SA Decachlor...	9.929	8.640	416.0E6	381.0E6	50.328	49.259
Target Compounds						
41) L9 AR-1268-1	8.509	7.541	437.5E6	476.9E6	502.163	488.581
42) L9 AR-1268-2	8.599	7.605	374.7E6	393.6E6	501.949	494.742
43) L9 AR-1268-3	8.819	7.814	331.8E6	336.4E6	502.049	497.748
44) L9 AR-1268-4	9.214	8.096	138.2E6	136.4E6	492.596	495.687
45) L9 AR-1268-5	9.608	8.385	968.0E6	889.7E6	499.171	498.578

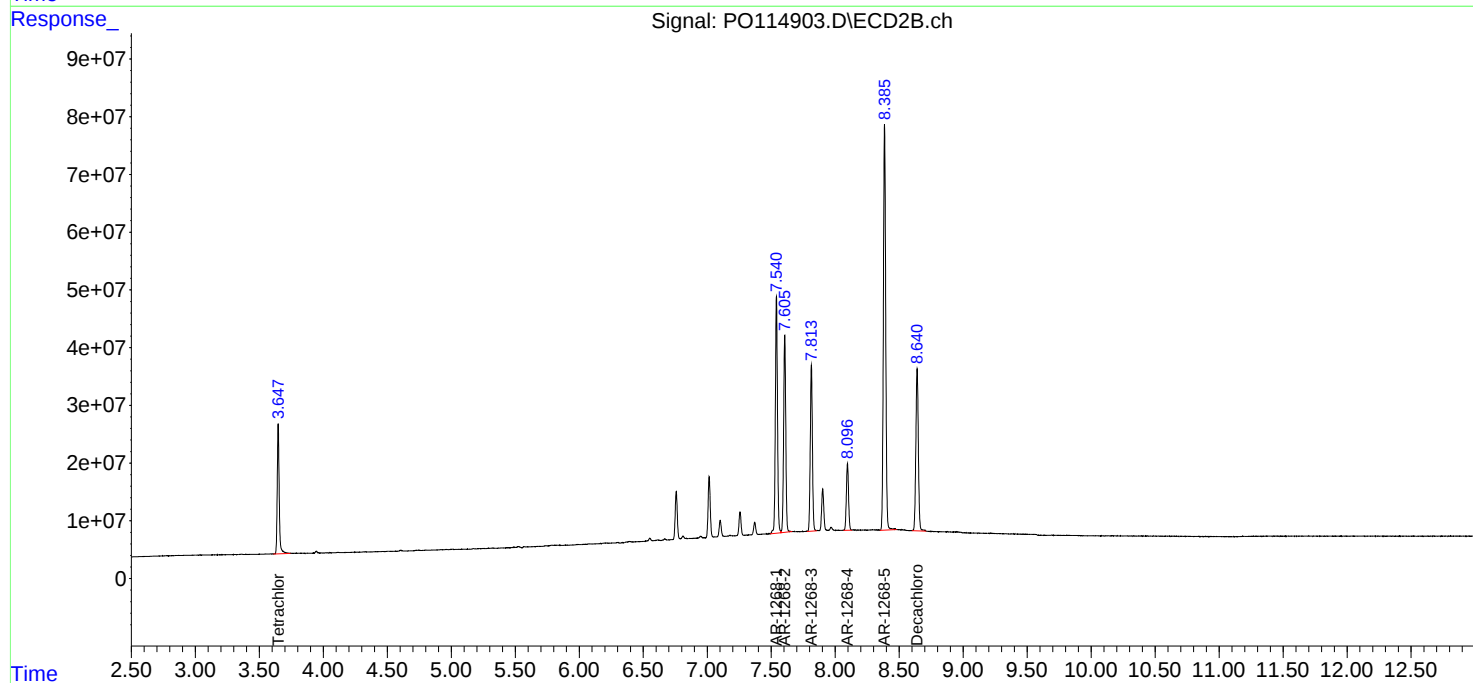
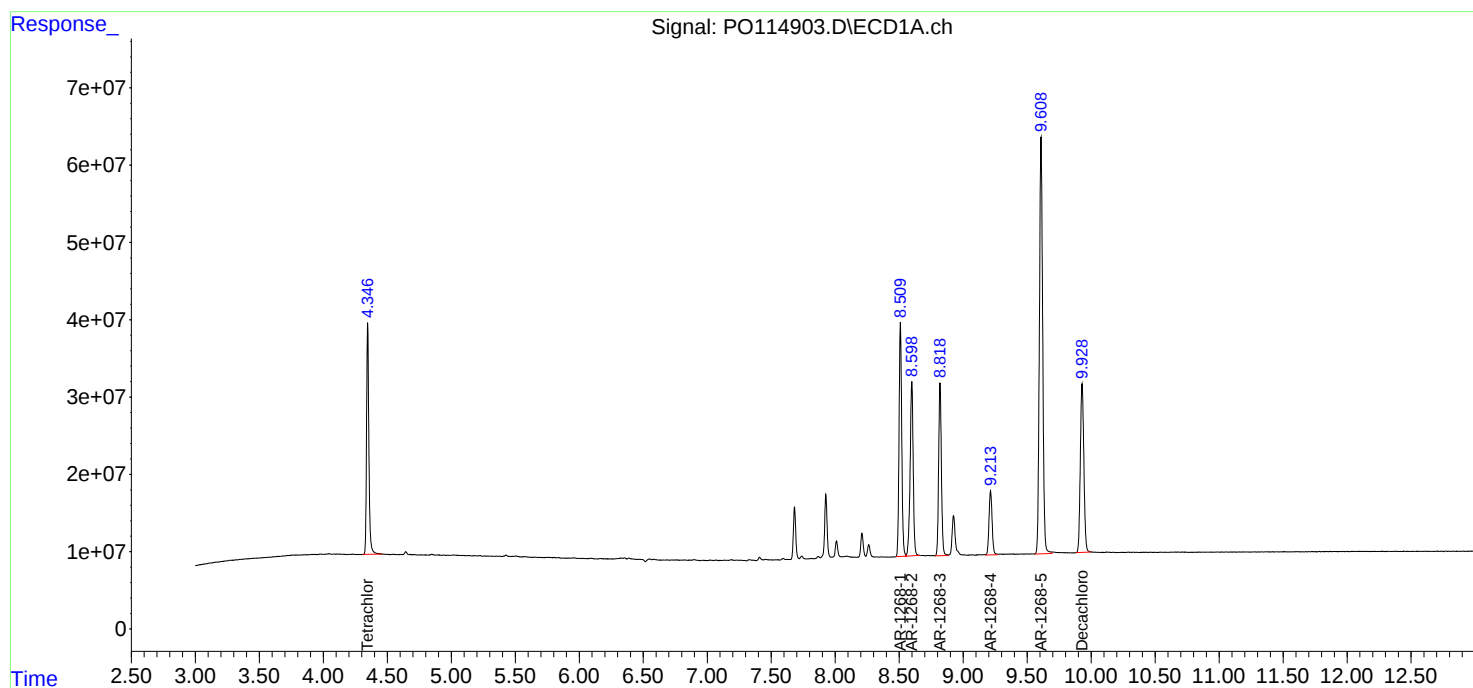
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110425\
Data File : PO114903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 22:12
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO110425AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 01:39:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 01:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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: REMI02

Lab Code: ACE

SDG NO.: Q3569

Continuing Calib Date: 11/11/2025

Initial Calibration Date(s): 11/04/2025

11/04/2025

Continuing Calib Time: 15:49

Initial Calibration Time(s): 09:39

18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.57	5.47	5.67	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.68	7.58	7.78	0.00
Aroclor-1260-4	(4)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.35	4.25	4.45	0.00
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3569

Continuing Calib Date: 11/11/2025

Initial Calibration Date(s): 11/04/2025 11/04/2025

Continuing Calib Time: 15:49

Initial Calibration Time(s): 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.00
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** REMI02
Lab Code: ACE **SDG NO.:** Q3569
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/11/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO115010.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.486	5.387	5.587	516.170	500.000	3.2
Aroclor-1016-2	5.508	5.408	5.608	515.680	500.000	3.1
Aroclor-1016-3	5.569	5.470	5.670	531.180	500.000	6.2
Aroclor-1016-4	5.666	5.566	5.766	520.070	500.000	4.0
Aroclor-1016-5	5.957	5.858	6.058	505.450	500.000	1.1
Aroclor-1260-1	7.071	6.971	7.171	495.620	500.000	-0.9
Aroclor-1260-2	7.325	7.225	7.425	531.970	500.000	6.4
Aroclor-1260-3	7.683	7.582	7.782	531.940	500.000	6.4
Aroclor-1260-4	7.904	7.803	8.003	516.150	500.000	3.2
Aroclor-1260-5	8.212	8.110	8.310	512.360	500.000	2.5
Decachlorobiphenyl	9.933	9.830	10.030	51.230	50.000	2.5
Tetrachloro-m-xylene	4.347	4.248	4.448	53.580	50.000	7.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** REMI02
Lab Code: ACE **SDG NO.:** Q3569
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/11/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO115010.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.727	4.628	4.828	517.240	500.000	3.4
Aroclor-1016-2	4.746	4.647	4.847	515.690	500.000	3.1
Aroclor-1016-3	4.920	4.821	5.021	522.320	500.000	4.5
Aroclor-1016-4	4.963	4.864	5.064	520.080	500.000	4.0
Aroclor-1016-5	5.175	5.076	5.276	517.410	500.000	3.5
Aroclor-1260-1	6.205	6.106	6.306	495.010	500.000	-1.0
Aroclor-1260-2	6.393	6.294	6.494	487.870	500.000	-2.4
Aroclor-1260-3	6.545	6.446	6.646	496.040	500.000	-0.8
Aroclor-1260-4	7.016	6.917	7.117	503.530	500.000	0.7
Aroclor-1260-5	7.257	7.158	7.358	499.860	500.000	0.0
Decachlorobiphenyl	8.642	8.541	8.741	53.840	50.000	7.7
Tetrachloro-m-xylene	3.648	3.548	3.748	52.450	50.000	4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
 Data File : PO115010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2025 15:49
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 00:21:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 06:00:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.648	377.1E6	234.3E6	53.581	52.449
2) SA Decachlor...	9.933	8.642	226.5E6	210.2E6	51.232	53.841
Target Compounds						
3) L1 AR-1016-1	5.486	4.727	127.0E6	98408473	516.168	517.244
4) L1 AR-1016-2	5.508	4.746	204.8E6	139.7E6	515.675	515.693
5) L1 AR-1016-3	5.569	4.920	118.5E6	77289086	531.181	522.318
6) L1 AR-1016-4	5.666	4.963	98227648	61067203	520.067	520.085
7) L1 AR-1016-5	5.957	5.175	90069635	79015388	505.449	517.409
31) L7 AR-1260-1	7.071	6.205	151.5E6	146.6E6	495.624	495.010
32) L7 AR-1260-2	7.325	6.393	210.6E6	209.8E6	531.969	487.869
33) L7 AR-1260-3	7.683	6.545	176.5E6	174.2E6	531.936	496.037
34) L7 AR-1260-4	7.904	7.016	157.4E6	152.6E6	516.149	503.526
35) L7 AR-1260-5	8.212	7.257	365.4E6	410.7E6	512.363	499.859

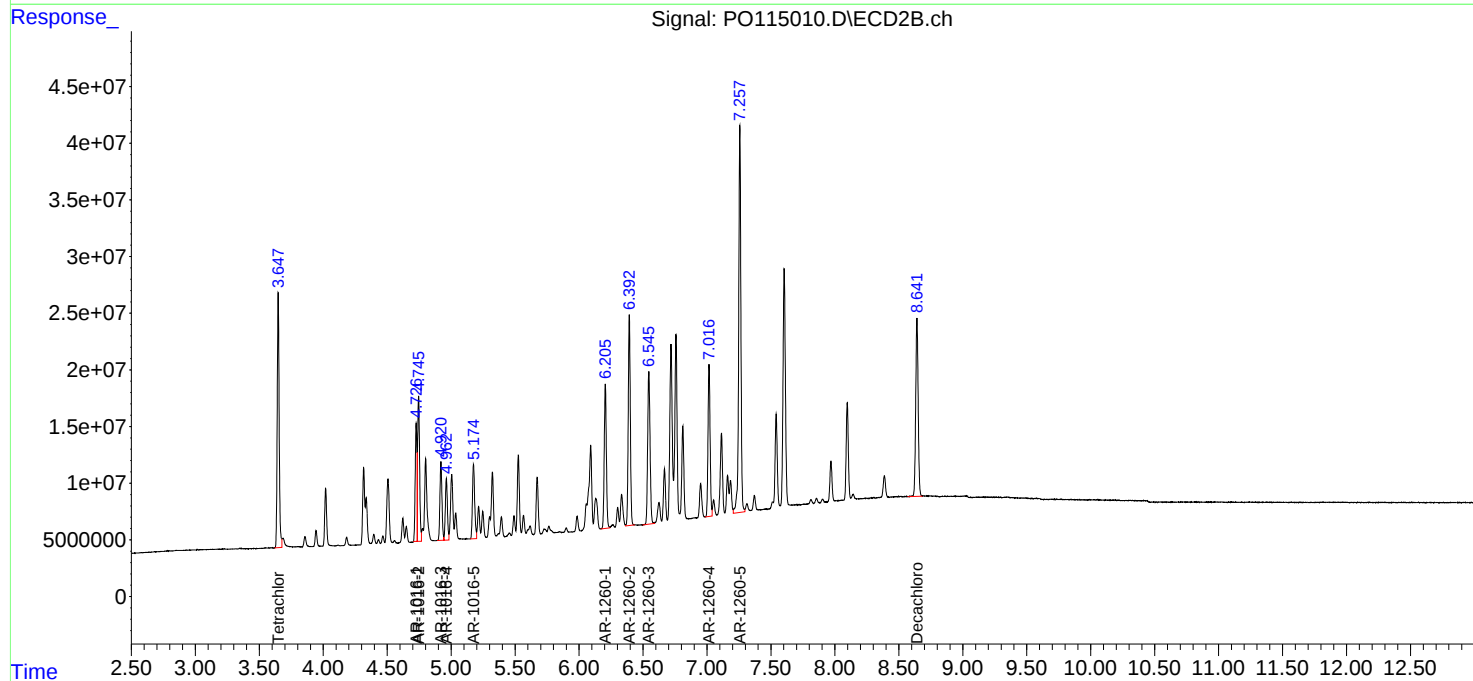
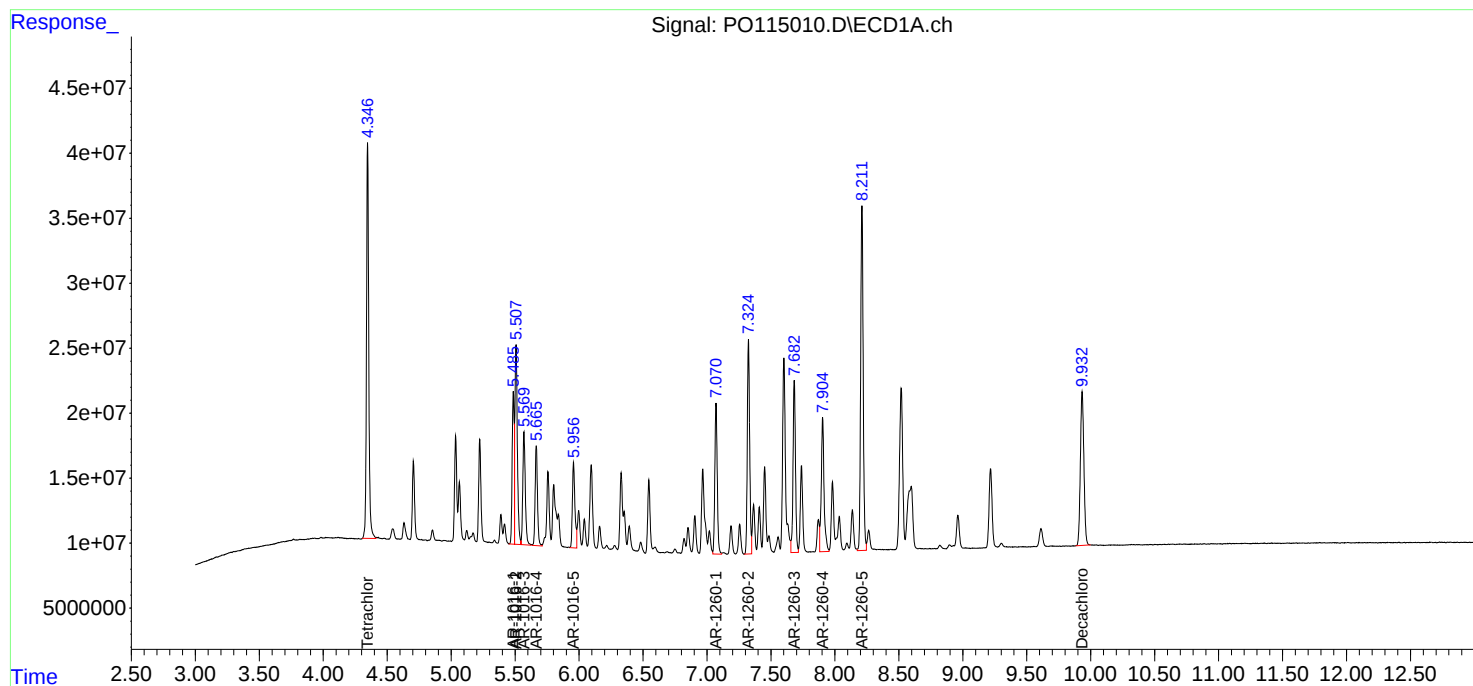
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 15:49
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:21:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3569

Continuing Calib Date: 11/11/2025

Initial Calibration Date(s): 11/04/2025

11/04/2025

Continuing Calib Time: 21:19

Initial Calibration Time(s): 09:39

18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.57	5.47	5.67	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-2	(2)	7.32	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.68	7.58	7.78	0.00
Aroclor-1260-4	(4)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.35	4.25	4.45	0.00
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3569

Continuing Calib Date: 11/11/2025

Initial Calibration Date(s): 11/04/2025

11/04/2025

Continuing Calib Time: 21:19

Initial Calibration Time(s): 09:39

18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.00
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** REMI02
Lab Code: ACE **SDG NO.:** Q3569
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/11/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO115025.D **Time Analyzed:** 21:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.487	5.387	5.587	519.320	500.000	3.9
Aroclor-1016-2	5.508	5.408	5.608	514.000	500.000	2.8
Aroclor-1016-3	5.569	5.470	5.670	533.200	500.000	6.6
Aroclor-1016-4	5.666	5.566	5.766	520.550	500.000	4.1
Aroclor-1016-5	5.958	5.858	6.058	507.710	500.000	1.5
Aroclor-1260-1	7.071	6.971	7.171	502.610	500.000	0.5
Aroclor-1260-2	7.324	7.225	7.425	537.250	500.000	7.5
Aroclor-1260-3	7.682	7.582	7.782	531.510	500.000	6.3
Aroclor-1260-4	7.904	7.803	8.003	517.550	500.000	3.5
Aroclor-1260-5	8.211	8.110	8.310	516.110	500.000	3.2
Decachlorobiphenyl	9.931	9.830	10.030	51.650	50.000	3.3
Tetrachloro-m-xylene	4.347	4.248	4.448	52.990	50.000	6.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** REMI02
Lab Code: ACE **SDG NO.:** Q3569
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/11/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO115025.D **Time Analyzed:** 21:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.727	4.628	4.828	505.020	500.000	1.0
Aroclor-1016-2	4.746	4.647	4.847	508.360	500.000	1.7
Aroclor-1016-3	4.920	4.821	5.021	517.080	500.000	3.4
Aroclor-1016-4	4.963	4.864	5.064	509.100	500.000	1.8
Aroclor-1016-5	5.175	5.076	5.276	523.950	500.000	4.8
Aroclor-1260-1	6.205	6.106	6.306	485.510	500.000	-2.9
Aroclor-1260-2	6.393	6.294	6.494	485.930	500.000	-2.8
Aroclor-1260-3	6.545	6.446	6.646	492.220	500.000	-1.6
Aroclor-1260-4	7.016	6.917	7.117	496.900	500.000	-0.6
Aroclor-1260-5	7.257	7.158	7.358	495.370	500.000	-0.9
Decachlorobiphenyl	8.641	8.541	8.741	53.840	50.000	7.7
Tetrachloro-m-xylene	3.648	3.548	3.748	51.310	50.000	2.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
 Data File : PO115025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2025 21:19
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 00:25:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 06:00:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.648	373.0E6	229.2E6	52.993	51.307
2) SA Decachlor...	9.931	8.641	228.3E6	210.2E6	51.647	53.837
Target Compounds						
3) L1 AR-1016-1	5.487	4.727	127.8E6	96083527	519.317	505.024
4) L1 AR-1016-2	5.508	4.746	204.1E6	137.7E6	514.002	508.362
5) L1 AR-1016-3	5.569	4.920	118.9E6	76514703	533.202	517.085
6) L1 AR-1016-4	5.666	4.963	98318020	59777841	520.545	509.104
7) L1 AR-1016-5	5.958	5.175	90473260	80014875	507.714	523.954
31) L7 AR-1260-1	7.071	6.205	153.6E6	143.8E6	502.610	485.506
32) L7 AR-1260-2	7.324	6.393	212.7E6	209.0E6	537.245	485.933
33) L7 AR-1260-3	7.682	6.545	176.4E6	172.8E6	531.506	492.224
34) L7 AR-1260-4	7.904	7.016	157.9E6	150.6E6	517.550	496.901
35) L7 AR-1260-5	8.211	7.257	368.1E6	407.0E6	516.110	495.374

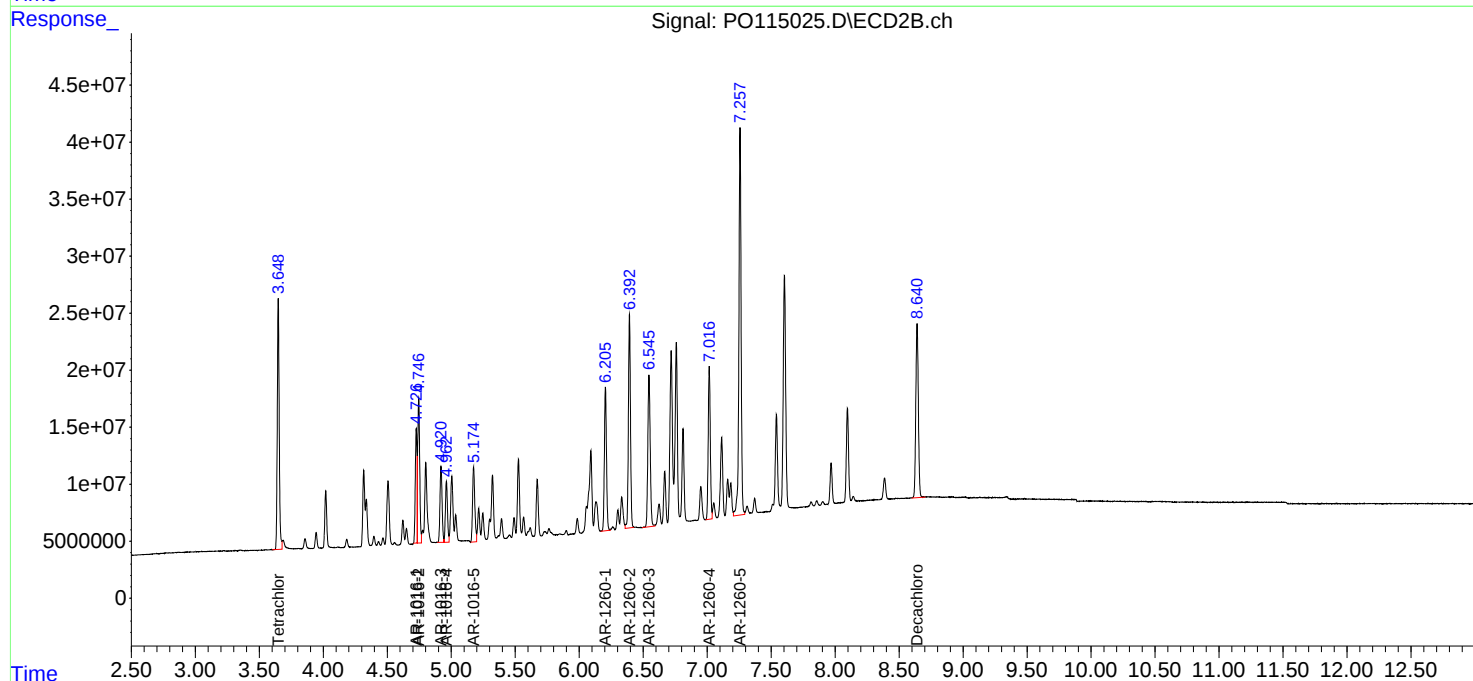
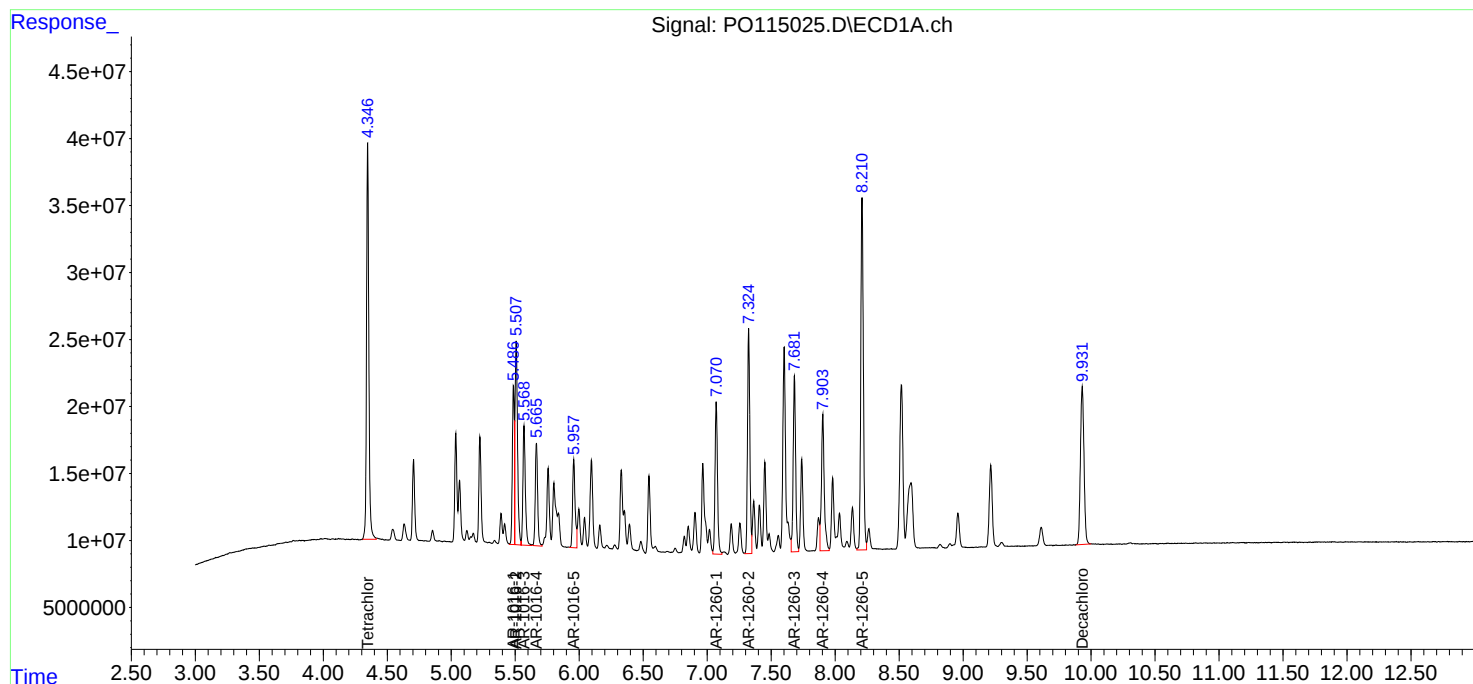
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 21:19
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:25:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Remington & Vernick Engineers	SDG No.: Q3569
Project: Edison Landfill	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 11/04/2025 11/04/2025

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	11/04/2025	09:21	PO114870.D	9.93	4.35
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	9.93	4.35
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	9.93	4.35
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	9.93	4.35
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	9.93	4.35
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	9.93	4.35
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	9.93	4.35
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	9.93	4.35
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	9.93	4.35
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	9.93	4.35
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	9.93	4.35
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	9.93	4.35
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	9.93	4.35
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	9.93	4.35
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	9.93	4.35
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	9.93	4.35
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	9.93	4.35
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	9.93	4.35
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	9.93	4.35
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	9.93	4.35
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	9.93	4.35
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	9.93	4.35
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	9.93	4.35
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	9.95	4.37
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	9.93	4.35
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	9.93	4.35
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	9.93	4.35
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	9.93	4.35
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/11/2025	15:49	PO115010.D	9.93	4.35
IBLK	IBLK	11/11/2025	17:03	PO115014.D	9.93	4.35
PB170484BL	PB170484BL	11/11/2025	17:21	PO115015.D	9.93	4.35
PB170484BS	PB170484BS	11/11/2025	17:39	PO115016.D	9.93	4.35
PB170484BSD	PB170484BSD	11/11/2025	17:58	PO115017.D	9.93	4.35
MW-2	Q3569-01	11/11/2025	18:53	PO115020.D	9.93	4.35
MW-12	Q3569-02	11/11/2025	19:11	PO115021.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/11/2025	21:19	PO115025.D	9.93	4.35
IBLK	IBLK	11/11/2025	23:09	PO115029.D	9.93	4.35

Analytical Sequence

Client: Remington & Vernick Engineers	SDG No.: Q3569
Project: Edison Landfill	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/04/2025 11/04/2025

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	11/04/2025	09:21	PO114870.D	8.64	3.65
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	8.64	3.65
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	8.64	3.65
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	8.64	3.65
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	8.64	3.65
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	8.64	3.65
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	8.64	3.65
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	8.64	3.65
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	8.64	3.65
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	8.64	3.65
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	8.64	3.65
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	8.64	3.65
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	8.64	3.65
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	8.64	3.65
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	8.64	3.65
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	8.64	3.65
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	8.64	3.65
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	8.64	3.65
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	8.64	3.65
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	8.64	3.65
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	8.64	3.65
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	8.64	3.65
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	8.64	3.65
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	8.64	3.65
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	8.64	3.65
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	8.64	3.65
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	8.64	3.65
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	8.64	3.65
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/11/2025	15:49	PO115010.D	8.64	3.65
IBLK	IBLK	11/11/2025	17:03	PO115014.D	8.64	3.65
PB170484BL	PB170484BL	11/11/2025	17:21	PO115015.D	8.64	3.65
PB170484BS	PB170484BS	11/11/2025	17:39	PO115016.D	8.64	3.65
PB170484BSD	PB170484BSD	11/11/2025	17:58	PO115017.D	8.64	3.65
MW-2	Q3569-01	11/11/2025	18:53	PO115020.D	8.64	3.65
MW-12	Q3569-02	11/11/2025	19:11	PO115021.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/11/2025	21:19	PO115025.D	8.64	3.65
IBLK	IBLK	11/11/2025	23:09	PO115029.D	8.64	3.65



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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170484BS

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3569

Lab Sample ID: PB170484BS

Date(s) Analyzed: 11/11/2025 11/11/2025

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 PO115016.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.485	5.435	5.535	4.23	4.10	2.47
COLUMN 1	2	5.507	5.457	5.557	4.15		
	3	5.569	5.519	5.619	4.28		
	4	5.664	5.614	5.714	4.14		
	5	5.956	5.906	6.006	3.93		
	1	4.726	4.676	4.776	3.97		
COLUMN 2	2	4.745	4.695	4.795	3.98	4.00	
	3	4.919	4.869	4.969	3.99		
	4	4.962	4.912	5.012	3.97		
	5	5.174	5.124	5.224	3.89		
Aroclor-1260	1	7.07	7.02	7.12	4.12	4.00	2.53
COLUMN 1	2	7.324	7.274	7.374	4.52		
	3	7.682	7.632	7.732	3.66		
	4	7.904	7.854	7.954	3.80		
	5	8.21	8.16	8.26	3.67		
	1	6.204	6.154	6.254	4.00		
COLUMN 2	2	6.392	6.342	6.442	4.62	3.90	
	3	6.544	6.494	6.594	3.97		
	4	7.015	6.965	7.065	3.53		
	5	7.256	7.206	7.306	3.57		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170484BSD

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3569

Lab Sample ID: PB170484BSD

Date(s) Analyzed: 11/11/2025 11/11/2025

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 PO115017.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.487	5.437	5.537	4.30	4.20	2.41
COLUMN 1	2	5.509	5.459	5.559	4.27		
	3	5.57	5.52	5.62	4.38		
	4	5.666	5.616	5.716	4.23		
	5	5.958	5.908	6.008	4.03		
	1	4.727	4.677	4.777	4.19		
COLUMN 2	2	4.746	4.696	4.796	4.18	4.10	
	3	4.921	4.871	4.971	4.20		
	4	4.963	4.913	5.013	4.10		
	5	5.175	5.125	5.225	4.07		
Aroclor-1260	1	7.072	7.022	7.122	4.25	4.00	2.53
COLUMN 1	2	7.326	7.276	7.376	4.38		
	3	7.683	7.633	7.733	3.71		
	4	7.905	7.855	7.955	3.88		
	5	8.212	8.162	8.262	3.73		
	1	6.205	6.155	6.255	4.15		
COLUMN 2	2	6.393	6.343	6.443	4.14	3.90	
	3	6.546	6.496	6.596	4.11		
	4	7.016	6.966	7.066	3.67		
	5	7.258	7.208	7.308	3.68		



QC SAMPLE DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170484BL		SDG No.:	Q3569
Lab Sample ID:	PB170484BL		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/11/25 17:21	PB170484
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25 17:21	PB170484
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25 17:21	PB170484
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25 17:21	PB170484
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25 17:21	PB170484
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25 17:21	PB170484
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25 17:21	PB170484
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25 17:21	PB170484
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/11/25 17:21	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.5			30 (30) - 150 (173)	118%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.5			30 (10) - 150 (173)	128%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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\PO111125\
Data File : PO115015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 17:21
Operator : YP/AJ
Sample : PB170484BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB170484BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:22:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.648	164.3E6	105.1E6	23.343	23.533
2) SA Decachlor...	9.933	8.641	103.2E6	99639319	23.342	25.524

Target Compounds

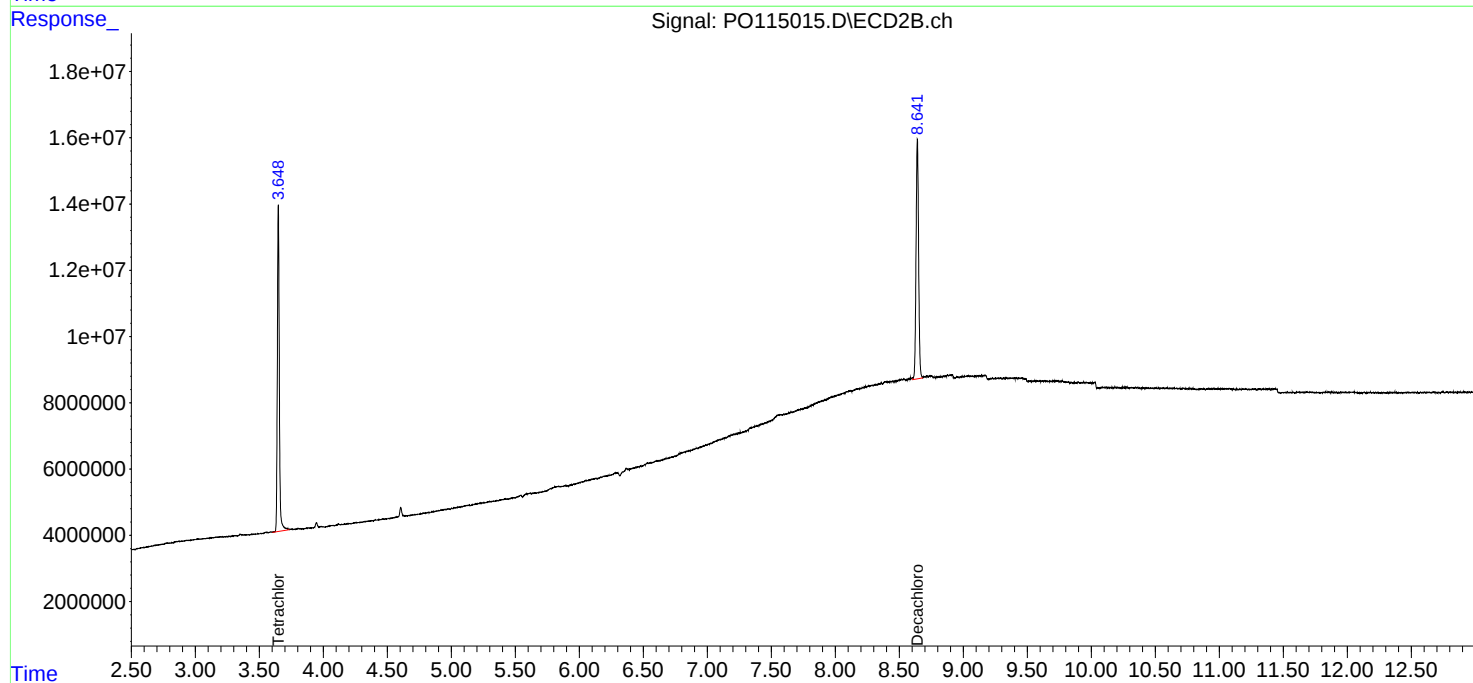
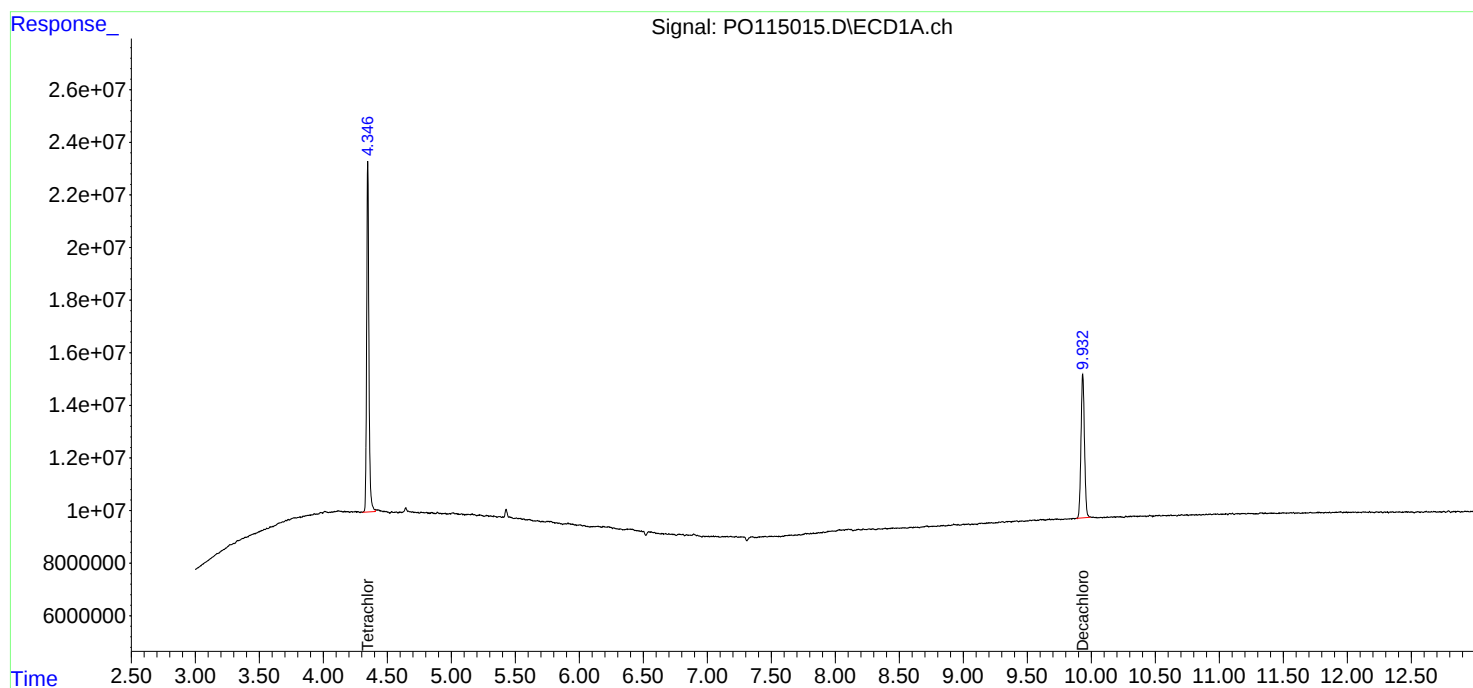
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

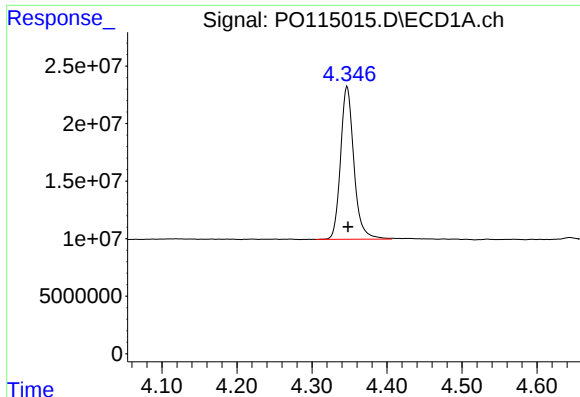
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 17:21
Operator : YP/AJ
Sample : PB170484BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB170484BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:22:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

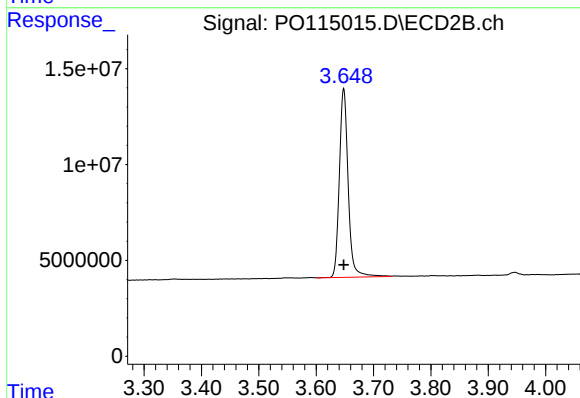




#1 Tetrachloro-m-xylene

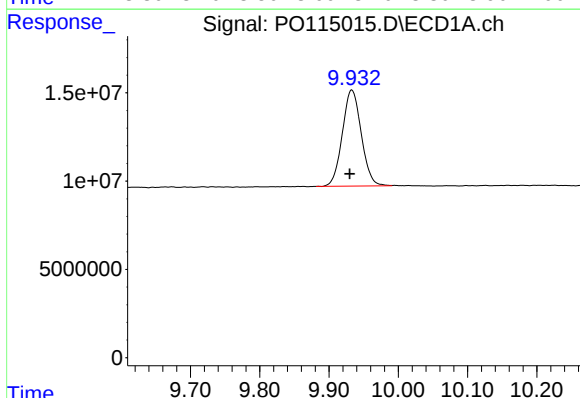
R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 164293175
Conc: 23.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB170484BL



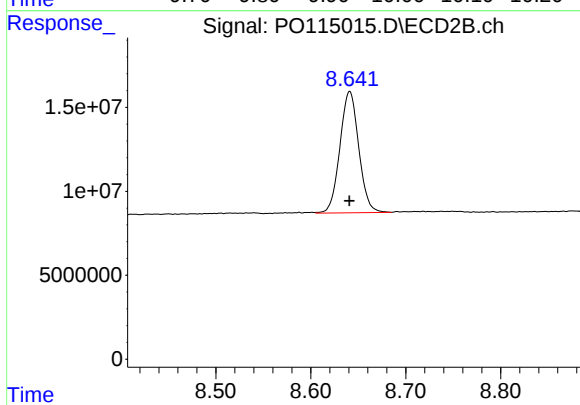
#1 Tetrachloro-m-xylene

R.T.: 3.648 min
Delta R.T.: 0.000 min
Response: 105115878
Conc: 23.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.933 min
Delta R.T.: 0.003 min
Response: 103179122
Conc: 23.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.000 min
Response: 99639319
Conc: 25.52 ng/ml



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/04/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	PIBLK-PO114870.D		SDG No.:	Q3569
Lab Sample ID:	I.BLK-PO114870.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/04/25	po110425
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/04/25	po110425
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/04/25	po110425
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/04/25	po110425
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/04/25	po110425
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/04/25	po110425
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/04/25	po110425
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/04/25	po110425
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/04/25	po110425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	15.5			70 (60) - 130 (140)	77%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.8			70 (60) - 130 (140)	84%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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\PO110425\
Data File : PO114870.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 09:21
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: Nov 05 02:16:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 02:14:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.348	3.649	108.8E6	72481407	15.462	16.227
2) SA Decachlor...	9.930	8.641	74180497	67480996	16.782	17.286

Target Compounds

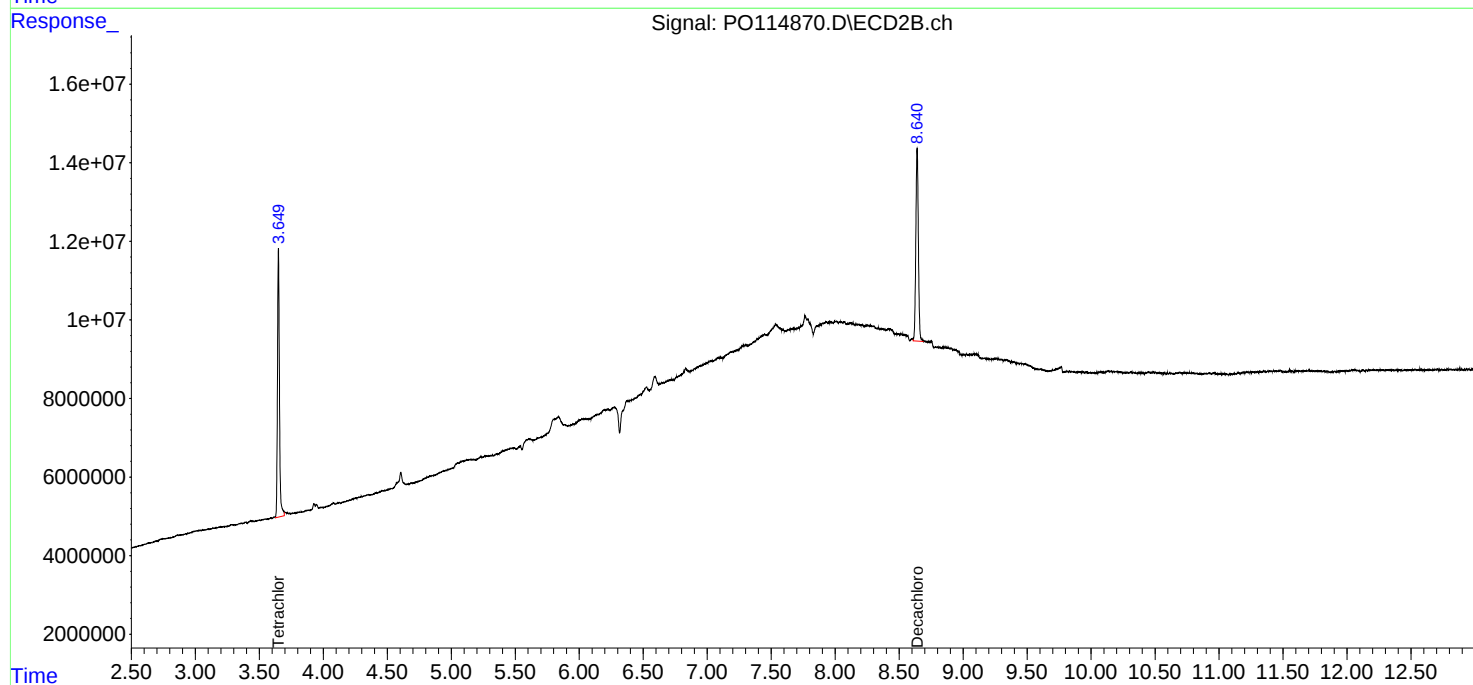
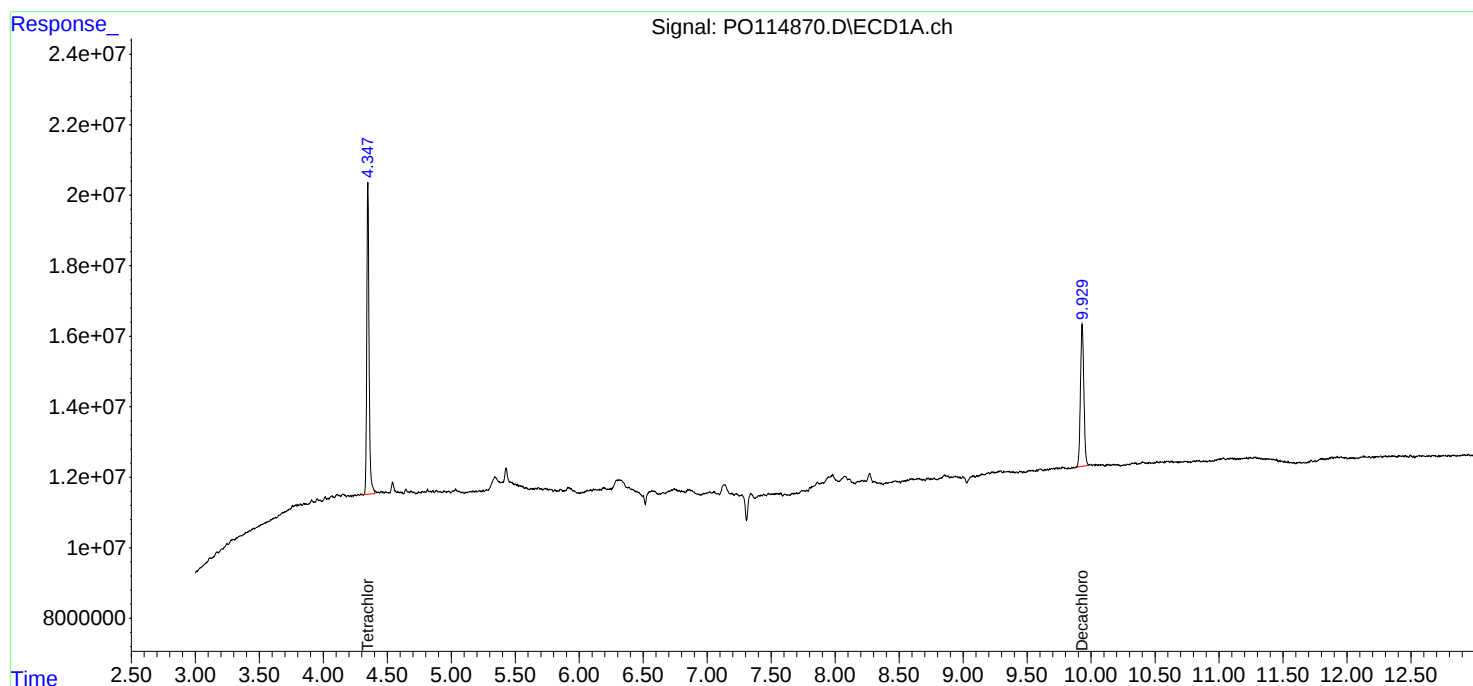
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

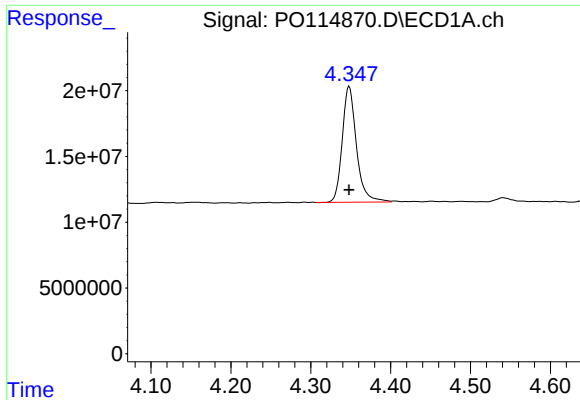
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO110425\
Data File : PO114870.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 09:21
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 02:16:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 02:14:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

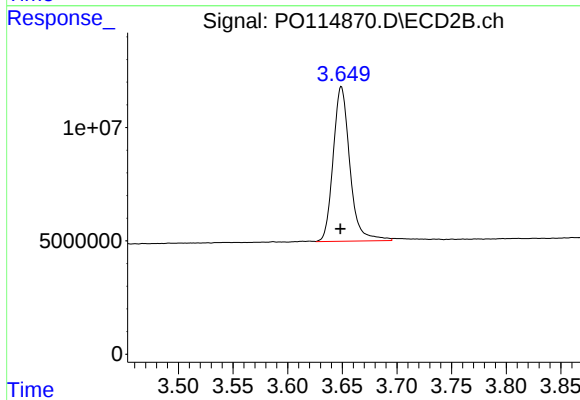




#1 Tetrachloro-m-xylene

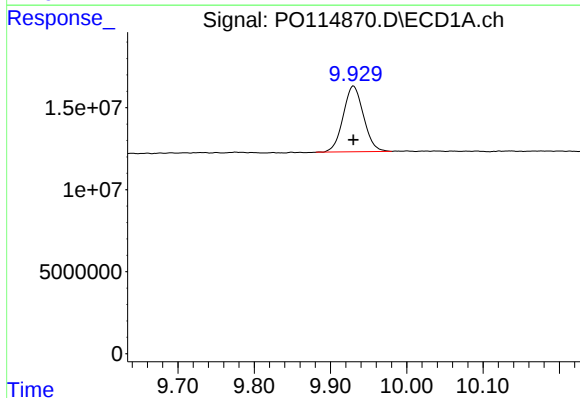
R.T.: 4.348 min
Delta R.T.: 0.000 min
Response: 108823881
Conc: 15.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



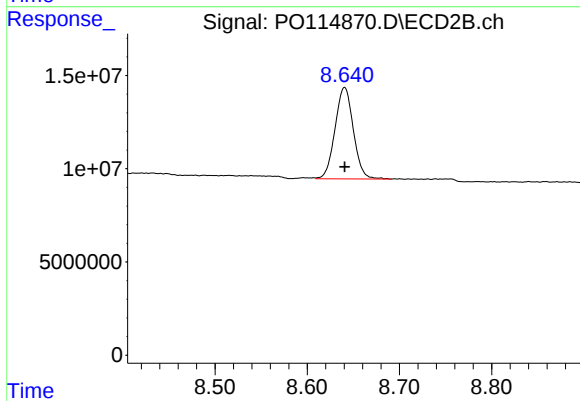
#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: 0.000 min
Response: 72481407
Conc: 16.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.930 min
Delta R.T.: 0.000 min
Response: 74180497
Conc: 16.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.000 min
Response: 67480996
Conc: 17.29 ng/ml

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 11/11/25	
Project: Edison Landfill	Date Received: 11/11/25	
Client Sample ID: PIBLK-PO115014.D	SDG No.: Q3569	
Lab Sample ID: I.BLK-PO115014.D	Matrix: WATER	
Analytical Method: 8082A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: PCB	Final Vol: 10000 uL
Prep Method: 5030	Prep Date:	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/11/25	po111125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25	po111125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25	po111125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25	po111125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25	po111125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25	po111125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/11/25	po111125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25	po111125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25	po111125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.8			70 (60) - 130 (140)	99%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.8			70 (60) - 130 (140)	99%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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\PO111125\
Data File : PO115014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 17:03
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: Nov 12 00:22:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.648	139.6E6	88987665	19.830	19.922
2) SA Decachlor...	9.934	8.641	87407881	84607171	19.774	21.673

Target Compounds

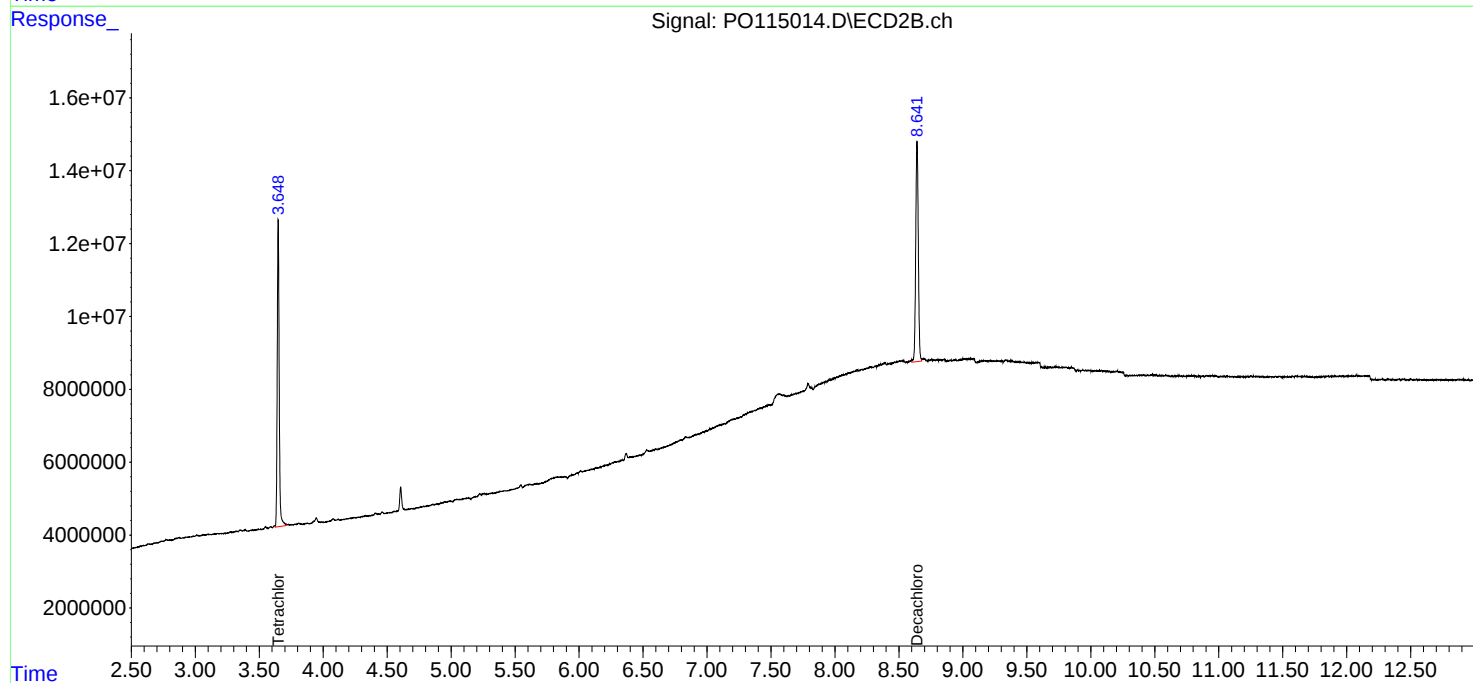
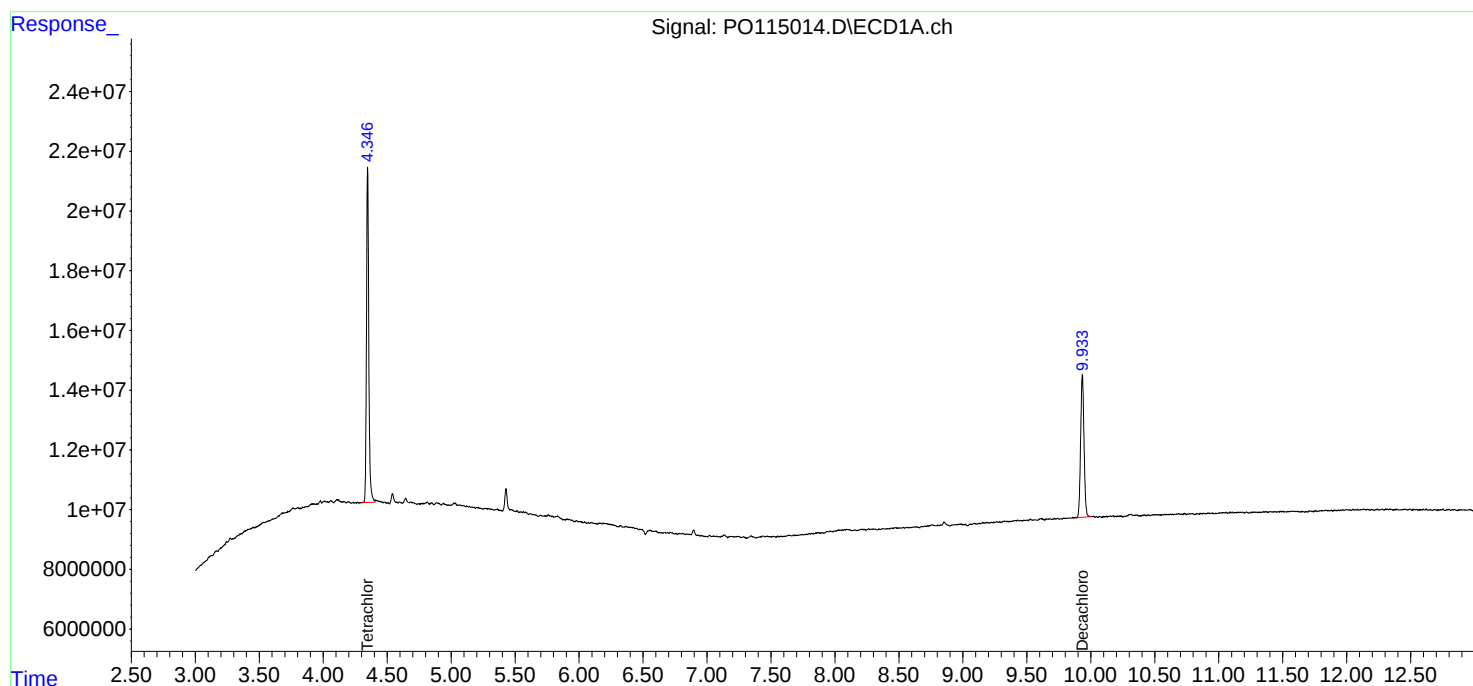
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

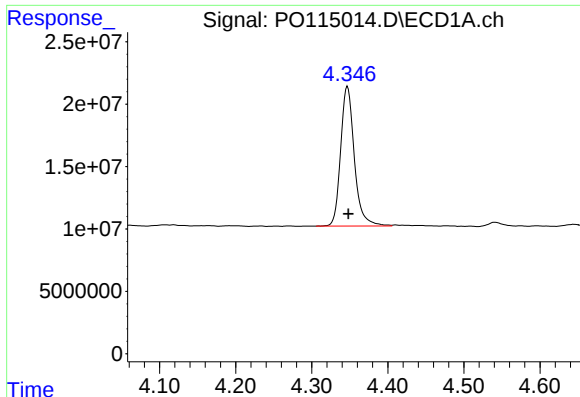
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO111125\
Data File : PO115014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 17:03
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:22:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

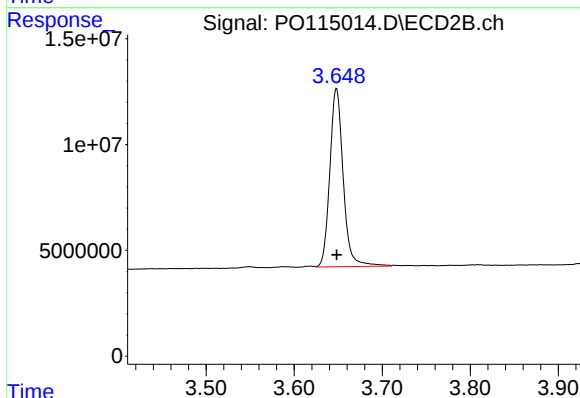




#1 Tetrachloro-m-xylene

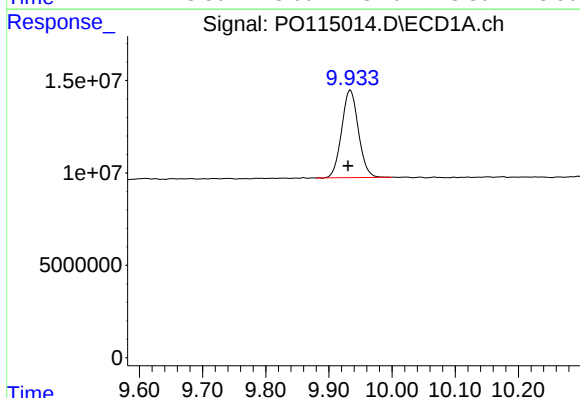
R.T.: 4.347 min
Delta R.T.: -0.001 min
Response: 139562470
Conc: 19.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



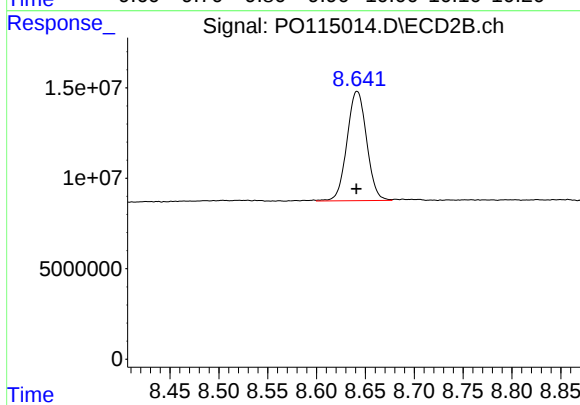
#1 Tetrachloro-m-xylene

R.T.: 3.648 min
Delta R.T.: 0.000 min
Response: 88987665
Conc: 19.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.934 min
Delta R.T.: 0.004 min
Response: 87407881
Conc: 19.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.000 min
Response: 84607171
Conc: 21.67 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/11/25
Project:	Edison Landfill		Date Received:	11/11/25
Client Sample ID:	PIBLK-PO115029.D		SDG No.:	Q3569
Lab Sample ID:	I.BLK-PO115029.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/11/25	po111125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25	po111125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25	po111125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25	po111125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25	po111125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25	po111125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/11/25	po111125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25	po111125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25	po111125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.5			70 (60) - 130 (140)	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.6			70 (60) - 130 (140)	98%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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\PO111125\
Data File : PO115029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 23:09
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: Nov 12 00:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.648	137.2E6	86978849	19.489	19.472
2) SA Decachlor...	9.931	8.641	86524261	80730172	19.575	20.680

Target Compounds

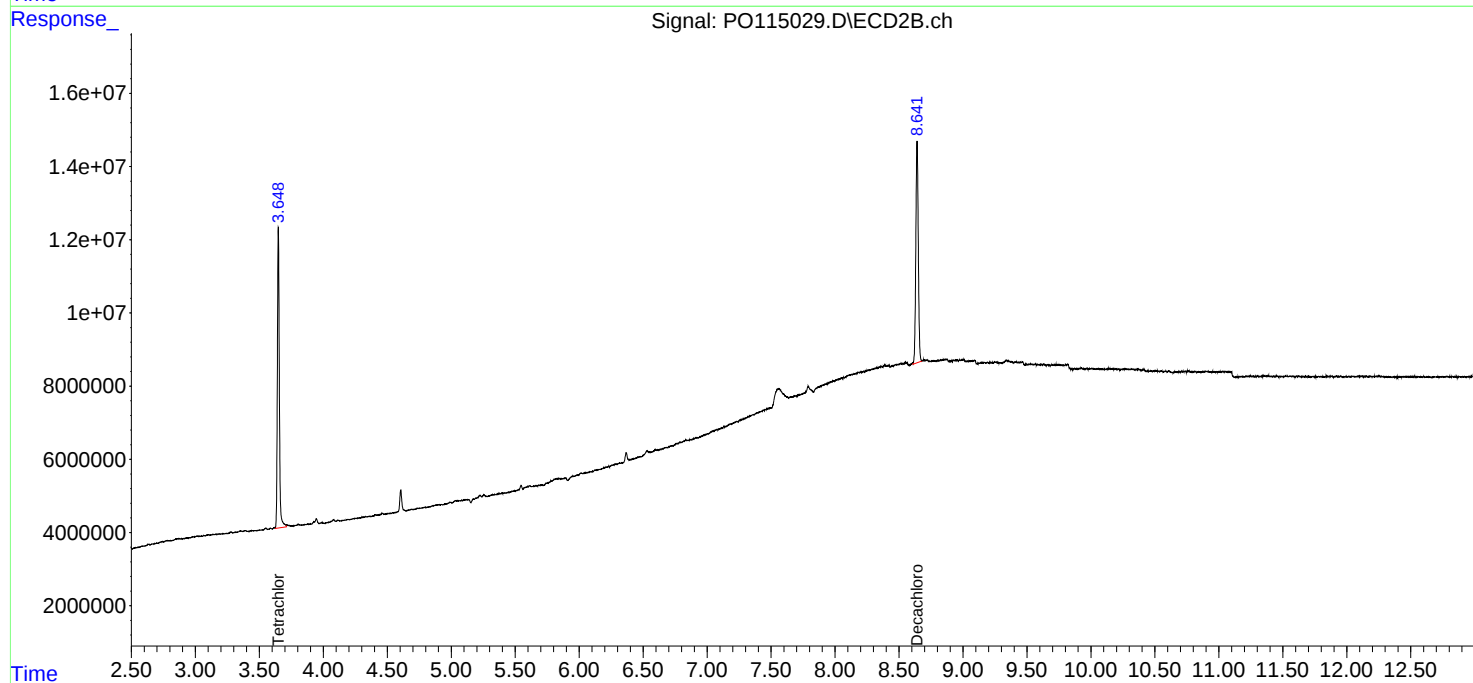
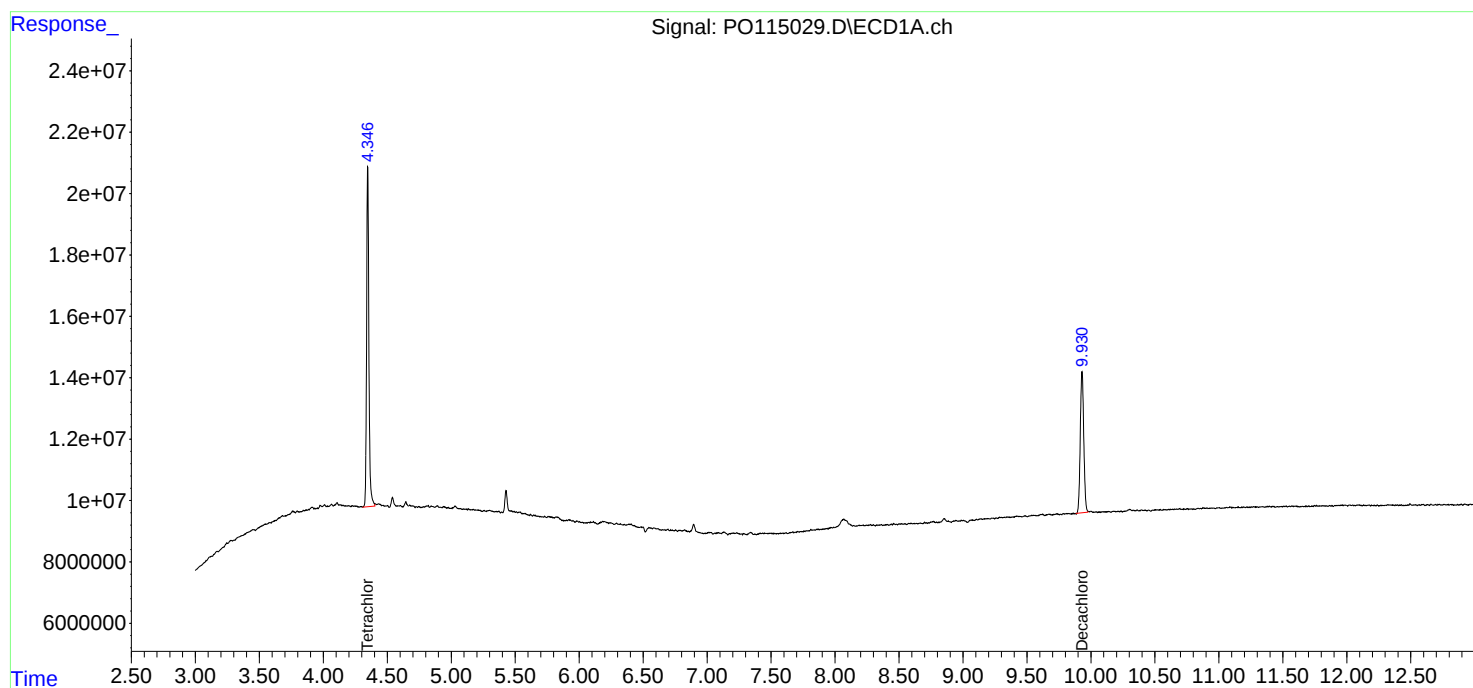
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

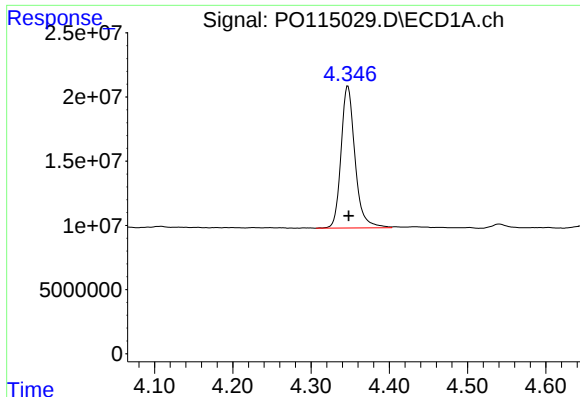
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO111125\
Data File : PO115029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 23:09
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

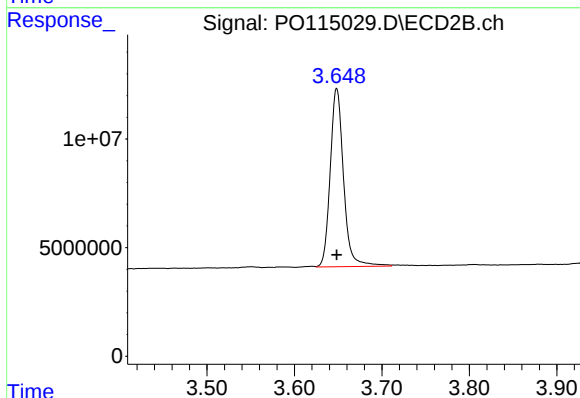




#1 Tetrachloro-m-xylene

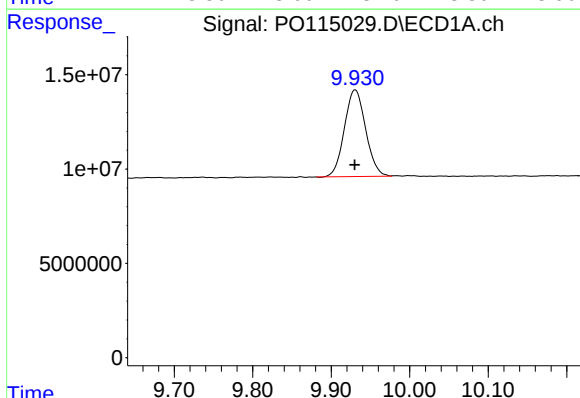
R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 137162543
Conc: 19.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



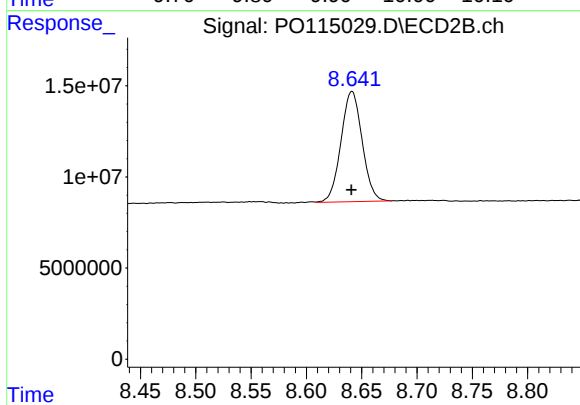
#1 Tetrachloro-m-xylene

R.T.: 3.648 min
Delta R.T.: 0.000 min
Response: 86978849
Conc: 19.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 86524261
Conc: 19.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.000 min
Response: 80730172
Conc: 20.68 ng/ml



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170484BS		SDG No.:	Q3569
Lab Sample ID:	PB170484BS		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	PCB
Prep Method:	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.10		1	0.097	0.50	ug/L	11/11/25 17:39	PB170484
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25 17:39	PB170484
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25 17:39	PB170484
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25 17:39	PB170484
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25 17:39	PB170484
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25 17:39	PB170484
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25 17:39	PB170484
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25 17:39	PB170484
11096-82-5	Aroclor-1260	4.00		1	0.081	0.50	ug/L	11/11/25 17:39	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.5			30 (30) - 150 (173)	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.8			30 (10) - 150 (173)	134%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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\PO111125\
 Data File : PO115016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2025 17:39
 Operator : YP/AJ
 Sample : PB170484BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB170484BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 00:22:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 06:00:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.346	3.647	172.6E6	100.6E6	24.527	22.512
2) SA Decachlor...	9.931	8.640	108.3E6	104.5E6	24.491	26.765
Target Compounds						
3) L1 AR-1016-1	5.485	4.726	104.1E6	75594978	423.203	397.334
4) L1 AR-1016-2	5.507	4.745	164.6E6	107.8E6	414.586	397.960
5) L1 AR-1016-3	5.569	4.919	95380311	59071360	427.713	399.203
6) L1 AR-1016-4	5.664	4.962	78137126	46620044	413.697	397.044
7) L1 AR-1016-5	5.956	5.174	70044782	59362677	393.075	388.719
31) L7 AR-1260-1	7.070	6.204	125.8E6	118.4E6	411.722	400.002
32) L7 AR-1260-2	7.324	6.392	179.0E6	198.6E6	452.139	461.879
33) L7 AR-1260-3	7.682	6.544	121.6E6	139.2E6	366.316	396.517
34) L7 AR-1260-4	7.904	7.015	115.8E6	107.0E6	379.730	353.115
35) L7 AR-1260-5	8.210	7.256	261.8E6	293.0E6	367.111	356.623

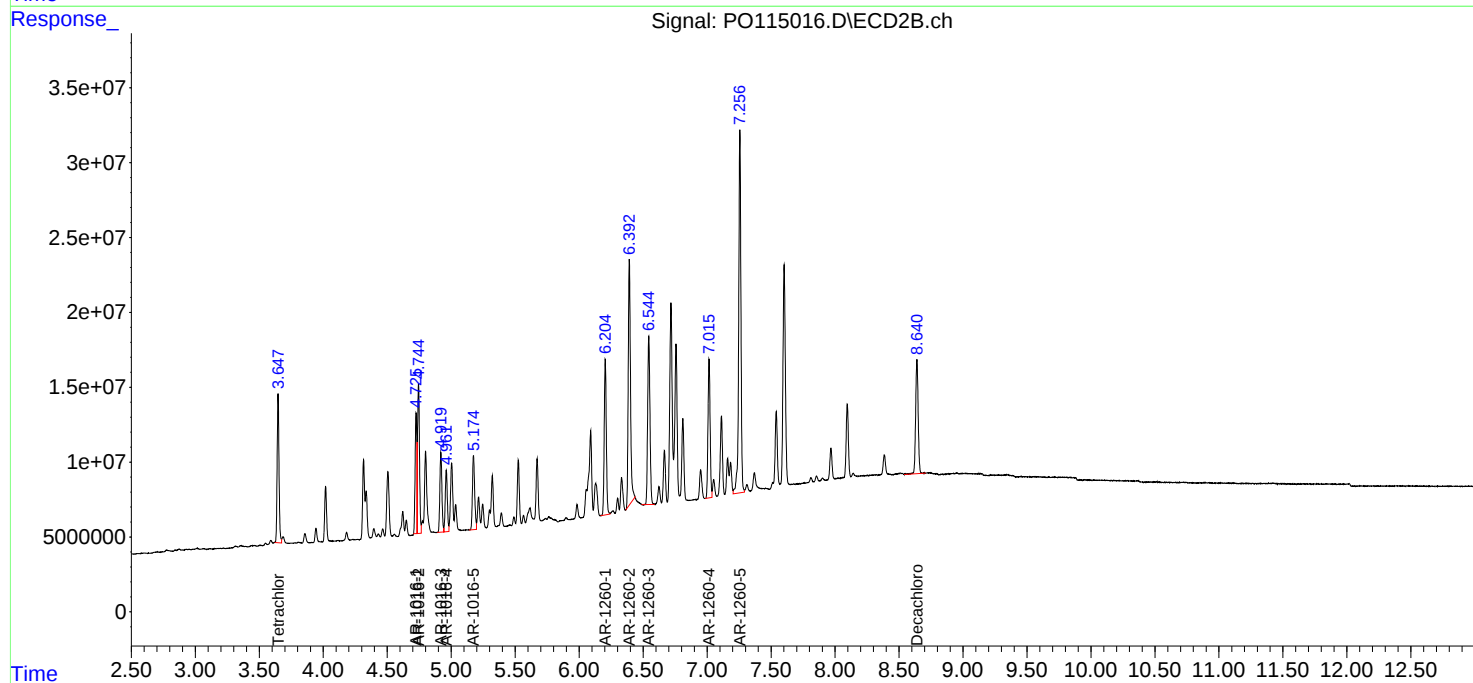
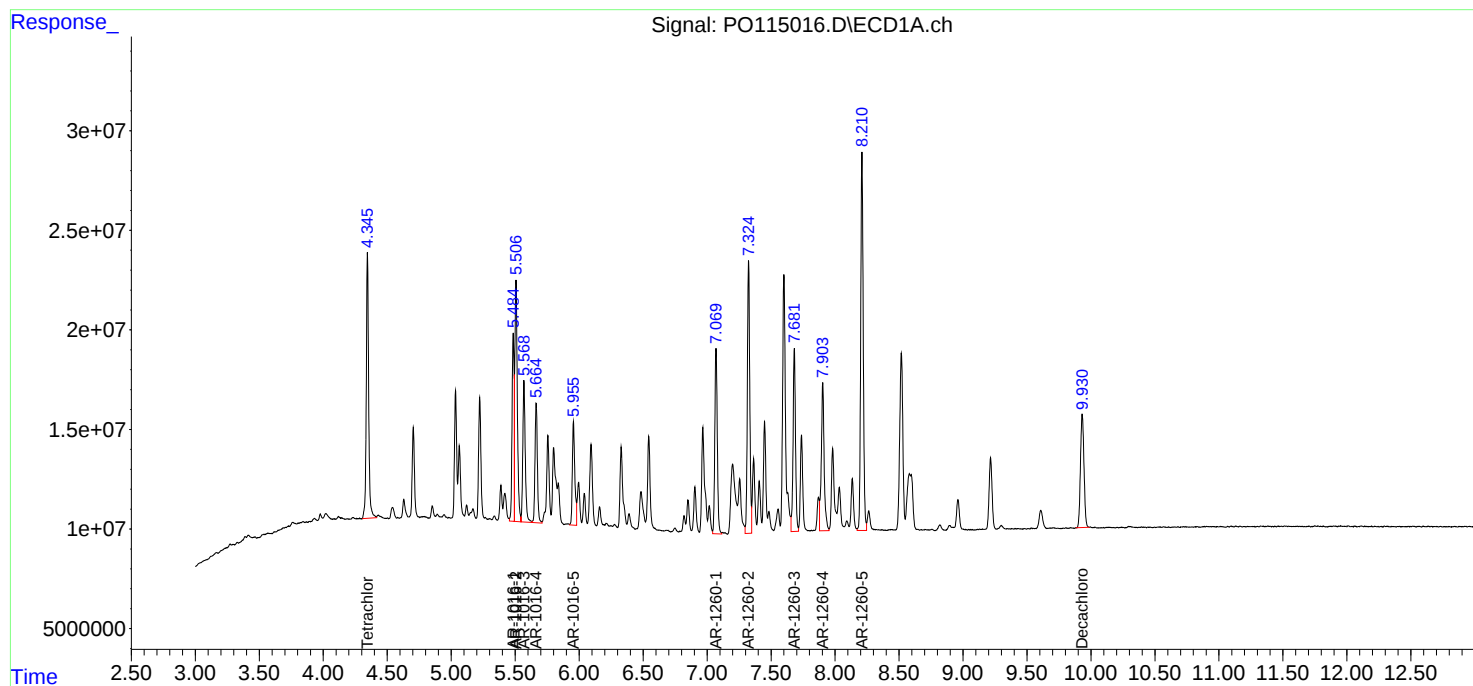
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 17:39
Operator : YP/AJ
Sample : PB170484BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB170484BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:22:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: PB170484BSD
Lab Sample ID: PB170484BSD
Analytical Method: 8082A
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL
Prep Method: 3510C Prep Date: 11/11/25

Date Collected:
Date Received:
SDG No.: Q3569
Matrix: WATER
% Solid: 0
Test: PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.20		1	0.097	0.50	ug/L	11/11/25 17:58	PB170484
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25 17:58	PB170484
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25 17:58	PB170484
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25 17:58	PB170484
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25 17:58	PB170484
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25 17:58	PB170484
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25 17:58	PB170484
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25 17:58	PB170484
11096-82-5	Aroclor-1260	4.00		1	0.081	0.50	ug/L	11/11/25 17:58	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.3			30 (30) - 150 (173)	121%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.1			30 (10) - 150 (173)	130%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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\PO111125\
 Data File : PO115017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2025 17:58
 Operator : YP/AJ
 Sample : PB170484BSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB170484BSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 00:23:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Nov 05 06:00:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.347	3.648	171.0E6	102.0E6	24.296	22.837
2) SA Decachlor...	9.932	8.641	108.1E6	101.8E6	24.449	26.066
Target Compounds						
3) L1 AR-1016-1	5.487	4.727	105.9E6	79668320	430.453	418.744
4) L1 AR-1016-2	5.509	4.746	169.4E6	113.3E6	426.675	418.383
5) L1 AR-1016-3	5.570	4.921	97712404	62161769	438.170	420.088
6) L1 AR-1016-4	5.666	4.963	79955812	48131335	423.326	409.915
7) L1 AR-1016-5	5.958	5.175	71736127	62149622	402.566	406.969
31) L7 AR-1260-1	7.072	6.205	130.0E6	122.9E6	425.310	415.142
32) L7 AR-1260-2	7.326	6.393	173.5E6	178.0E6	438.265	413.811
33) L7 AR-1260-3	7.683	6.546	123.2E6	144.3E6	371.329	410.798
34) L7 AR-1260-4	7.905	7.016	118.3E6	111.1E6	387.928	366.753
35) L7 AR-1260-5	8.212	7.258	266.0E6	302.5E6	372.898	368.230

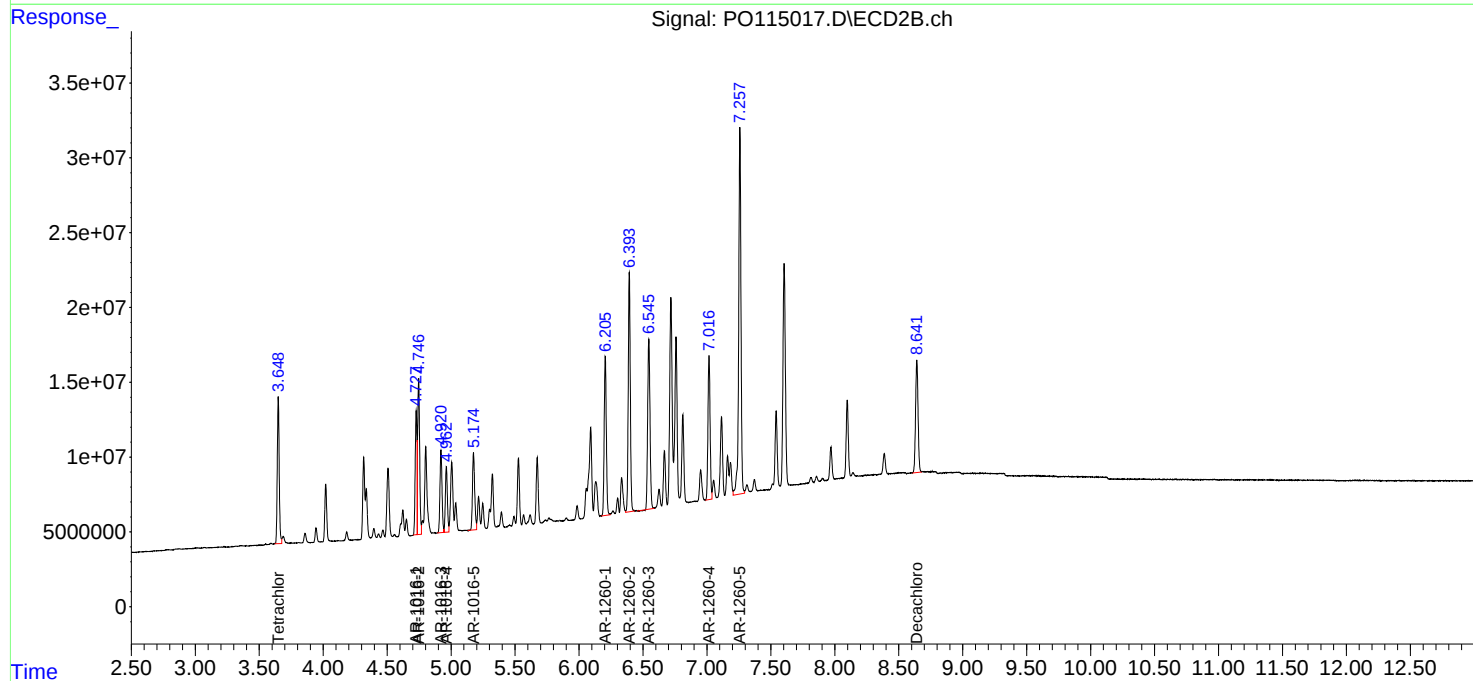
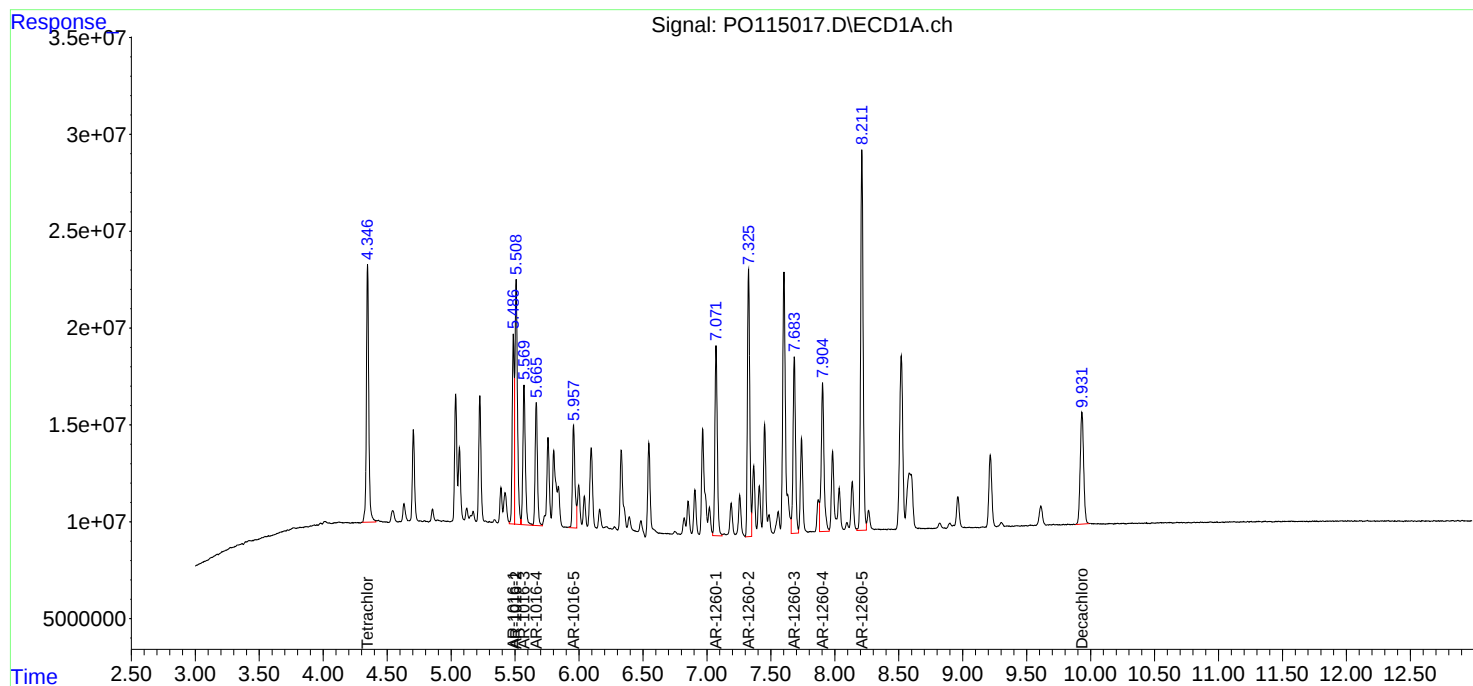
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 17:58
Operator : YP/AJ
Sample : PB170484BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB170484BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	po110425	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO114874.D	AR-1260-1 #2	rahul	11/5/2025 8:39:44 AM	yogesh	11/5/2025 10:22:06	Peak Integrated by Software
AR1660ICC250	PO114874.D	AR-1260-2 #2	rahul	11/5/2025 8:39:44 AM	yogesh	11/5/2025 10:22:06	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1016-3 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1016-5 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-1	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-1 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-2 #2	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-3	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1660ICC050	PO114875.D	AR-1260-4	rahul	11/5/2025 8:39:48 AM	yogesh	11/5/2025 10:22:08	Peak Integrated by Software
AR1242ICC050	PO114882.D	AR-1242-5 #2	rahul	11/5/2025 8:39:51 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	AR-1254-1	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	AR-1254-2	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software

Manual Integration Report

Sequence:

po110425

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO114892.D	AR-1254-4	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1254ICC050	PO114892.D	Decachlorobiphenyl	rahul	11/5/2025 8:40:06 AM	yogesh	11/5/2025 10:22:11	Peak Integrated by Software
AR1268ICC250	PO114897.D	AR-1268-1 #2	rahul	11/5/2025 8:40:09 AM	yogesh	11/5/2025 10:22:13	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-1	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-2	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-3	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software
AR1242ICV500	PO114900.D	AR-1242-4	rahul	11/5/2025 8:40:12 AM	yogesh	11/5/2025 10:22:14	Peak Integrated by Software

Manual Integration Report

Sequence:

po111125

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO115026.D	AR-1242-1	rahul	11/12/2025 8:55:09 AM	yogesh	11/12/2025 9:45:09	Peak Integrated by Software
AR1242CCC500	PO115026.D	AR-1242-2	rahul	11/12/2025 8:55:09 AM	yogesh	11/12/2025 9:45:09	Peak Integrated by Software
AR1242CCC500	PO115026.D	AR-1242-3	rahul	11/12/2025 8:55:09 AM	yogesh	11/12/2025 9:45:09	Peak Integrated by Software
AR1242CCC500	PO115026.D	AR-1242-4	rahul	11/12/2025 8:55:09 AM	yogesh	11/12/2025 9:45:09	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM
SubDirectory	PO110425	HP Acquire Method	HP Processing Method PO110425
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO114869.D	04 Nov 2025 09:03	YP/AJ	Ok
2	I.BLK	PO114870.D	04 Nov 2025 09:21	YP/AJ	Ok
3	AR1660ICC1000	PO114871.D	04 Nov 2025 09:39	YP/AJ	Ok
4	AR1660ICC750	PO114872.D	04 Nov 2025 09:58	YP/AJ	Ok
5	AR1660ICC500	PO114873.D	04 Nov 2025 10:16	YP/AJ	Ok
6	AR1660ICC250	PO114874.D	04 Nov 2025 10:34	YP/AJ	Ok,M
7	AR1660ICC050	PO114875.D	04 Nov 2025 10:53	YP/AJ	Ok,M
8	AR1221ICC500	PO114876.D	04 Nov 2025 11:11	YP/AJ	Ok
9	AR1232ICC500	PO114877.D	04 Nov 2025 11:30	YP/AJ	Ok
10	AR1242ICC1000	PO114878.D	04 Nov 2025 11:48	YP/AJ	Ok
11	AR1242ICC750	PO114879.D	04 Nov 2025 12:06	YP/AJ	Ok
12	AR1242ICC500	PO114880.D	04 Nov 2025 12:25	YP/AJ	Ok
13	AR1242ICC250	PO114881.D	04 Nov 2025 12:42	YP/AJ	Ok
14	AR1242ICC050	PO114882.D	04 Nov 2025 13:00	YP/AJ	Ok,M
15	AR1248ICC1000	PO114883.D	04 Nov 2025 13:19	YP/AJ	Ok
16	AR1248ICC750	PO114884.D	04 Nov 2025 13:37	YP/AJ	Ok
17	AR1248ICC500	PO114885.D	04 Nov 2025 13:56	YP/AJ	Ok
18	AR1248ICC250	PO114886.D	04 Nov 2025 14:14	YP/AJ	Ok
19	AR1248ICC050	PO114887.D	04 Nov 2025 14:33	YP/AJ	Ok
20	AR1254ICC1000	PO114888.D	04 Nov 2025 14:51	YP/AJ	Ok
21	AR1254ICC750	PO114889.D	04 Nov 2025 15:09	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM
SubDirectory	PO110425	HP Acquire Method	HP Processing Method PO110425
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC			
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PO114890.D	04 Nov 2025 15:28	YP/AJ	Ok
23	AR1254ICC250	PO114891.D	04 Nov 2025 16:04	YP/AJ	Ok
24	AR1254ICC050	PO114892.D	04 Nov 2025 16:23	YP/AJ	Ok,M
25	AR1262ICC500	PO114893.D	04 Nov 2025 17:00	YP/AJ	Ok
26	AR1268ICC1000	PO114894.D	04 Nov 2025 17:18	YP/AJ	Ok
27	AR1268ICC750	PO114895.D	04 Nov 2025 17:36	YP/AJ	Ok
28	AR1268ICC500	PO114896.D	04 Nov 2025 17:55	YP/AJ	Ok
29	AR1268ICC250	PO114897.D	04 Nov 2025 18:13	YP/AJ	Ok,M
30	AR1268ICC050	PO114898.D	04 Nov 2025 18:31	YP/AJ	Ok
31	PO110425ICV500	PO114899.D	04 Nov 2025 19:08	YP/AJ	Ok
32	AR1242ICV500	PO114900.D	04 Nov 2025 20:21	YP/AJ	Ok,M
33	AR1248ICV500	PO114901.D	04 Nov 2025 20:58	YP/AJ	Ok
34	AR1254ICV500	PO114902.D	04 Nov 2025 21:35	YP/AJ	Ok
35	AR1268ICV500	PO114903.D	04 Nov 2025 22:12	YP/AJ	Ok
36	DDT ANALOG	PO114904.D	04 Nov 2025 22:48	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111125

Review By	rahul	Review On	11/12/2025 8:55:27 AM
Supervise By	yogesh	Supervise On	11/12/2025 9:45:24 AM
SubDirectory	PO111125	HP Acquire Method	HP Processing Method PP102125
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO114994.D	11 Nov 2025 09:40	YP/AJ	Ok
2	AR1660CCC500	PO114995.D	11 Nov 2025 09:58	YP/AJ	Ok
3	AR1242CCC500	PO114996.D	11 Nov 2025 10:23	YP/AJ	Ok
4	AR1248CCC500	PO114997.D	11 Nov 2025 10:42	YP/AJ	Ok
5	AR1254CCC500	PO114998.D	11 Nov 2025 11:00	YP/AJ	Ok
6	I.BLK	PO114999.D	11 Nov 2025 11:18	YP/AJ	Ok
7	PB170475BL	PO115000.D	11 Nov 2025 11:50	YP/AJ	Ok
8	PB170475BS	PO115001.D	11 Nov 2025 12:09	YP/AJ	Ok
9	Q3586-01	PO115002.D	11 Nov 2025 12:27	YP/AJ	Ok
10	Q3586-01MS	PO115003.D	11 Nov 2025 12:45	YP/AJ	Ok
11	Q3586-01MSD	PO115004.D	11 Nov 2025 13:04	YP/AJ	Ok
12	Q3586-02	PO115005.D	11 Nov 2025 13:22	YP/AJ	Ok
13	Q3586-03	PO115006.D	11 Nov 2025 13:40	YP/AJ	Ok
14	Q3590-01	PO115007.D	11 Nov 2025 13:59	YP/AJ	Ok,M
15	Q3590-03	PO115008.D	11 Nov 2025 14:17	YP/AJ	Ok
16	Q3590-05	PO115009.D	11 Nov 2025 14:36	YP/AJ	Ok,M
17	AR1660CCC500	PO115010.D	11 Nov 2025 15:49	YP/AJ	Ok
18	AR1242CCC500	PO115011.D	11 Nov 2025 16:07	YP/AJ	Ok
19	AR1248CCC500	PO115012.D	11 Nov 2025 16:26	YP/AJ	Ok
20	AR1254CCC500	PO115013.D	11 Nov 2025 16:44	YP/AJ	Ok
21	I.BLK	PO115014.D	11 Nov 2025 17:03	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111125

Review By	rahul	Review On	11/12/2025 8:55:27 AM
Supervise By	yogesh	Supervise On	11/12/2025 9:45:24 AM
SubDirectory	PO111125	HP Acquire Method	HP Processing Method PP102125
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB170484BL	PO115015.D	11 Nov 2025 17:21	YP/AJ	Ok
23	PB170484BS	PO115016.D	11 Nov 2025 17:39	YP/AJ	Ok
24	PB170484BSD	PO115017.D	11 Nov 2025 17:58	YP/AJ	Ok
25	Q3551-01	PO115018.D	11 Nov 2025 18:16	YP/AJ	Ok
26	Q3561-01	PO115019.D	11 Nov 2025 18:34	YP/AJ	Dilution
27	Q3569-01	PO115020.D	11 Nov 2025 18:53	YP/AJ	Ok
28	Q3569-02	PO115021.D	11 Nov 2025 19:11	YP/AJ	Ok
29	Q3584-01	PO115022.D	11 Nov 2025 19:30	YP/AJ	Ok
30	Q3584-02	PO115023.D	11 Nov 2025 19:48	YP/AJ	Ok
31	Q3595-01	PO115024.D	11 Nov 2025 20:05	YP/AJ	Ok,M
32	AR1660CCC500	PO115025.D	11 Nov 2025 21:19	YP/AJ	Ok
33	AR1242CCC500	PO115026.D	11 Nov 2025 22:14	YP/AJ	Ok,M
34	AR1248CCC500	PO115027.D	11 Nov 2025 22:32	YP/AJ	Ok
35	AR1254CCC500	PO115028.D	11 Nov 2025 22:51	YP/AJ	Ok
36	I.BLK	PO115029.D	11 Nov 2025 23:09	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM
SubDirectory	PO110425	HP Acquire Method	HP Processing Method PO110425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO114869.D	04 Nov 2025 09:03		YP/AJ	Ok
2	I.BLK	I.BLK	PO114870.D	04 Nov 2025 09:21		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO114871.D	04 Nov 2025 09:39		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO114872.D	04 Nov 2025 09:58		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO114873.D	04 Nov 2025 10:16		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO114874.D	04 Nov 2025 10:34		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO114875.D	04 Nov 2025 10:53		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO114876.D	04 Nov 2025 11:11		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO114877.D	04 Nov 2025 11:30		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO114878.D	04 Nov 2025 11:48		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO114879.D	04 Nov 2025 12:06		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO114880.D	04 Nov 2025 12:25		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO114881.D	04 Nov 2025 12:42		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO114882.D	04 Nov 2025 13:00		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO114883.D	04 Nov 2025 13:19		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO114884.D	04 Nov 2025 13:37		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO114885.D	04 Nov 2025 13:56		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO114886.D	04 Nov 2025 14:14		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110425

Review By	yogesh	Review On	11/4/2025 12:15:43 PM
Supervise By	rahul	Supervise On	11/5/2025 8:40:26 AM
SubDirectory	PO110425	HP Acquire Method	HP Processing Method PO110425
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		

19	AR1248ICC050	AR1248ICC050	PO114887.D	04 Nov 2025 14:33		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO114888.D	04 Nov 2025 14:51		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO114889.D	04 Nov 2025 15:09		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO114890.D	04 Nov 2025 15:28		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO114891.D	04 Nov 2025 16:04		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO114892.D	04 Nov 2025 16:23		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO114893.D	04 Nov 2025 17:00		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO114894.D	04 Nov 2025 17:18		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO114895.D	04 Nov 2025 17:36		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO114896.D	04 Nov 2025 17:55		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO114897.D	04 Nov 2025 18:13		YP/AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PO114898.D	04 Nov 2025 18:31		YP/AJ	Ok
31	PO110425ICV500	ICVPO110425	PO114899.D	04 Nov 2025 19:08		YP/AJ	Ok
32	AR1242ICV500	ICVPO110425AR1242	PO114900.D	04 Nov 2025 20:21		YP/AJ	Ok,M
33	AR1248ICV500	ICVPO110425AR1248	PO114901.D	04 Nov 2025 20:58		YP/AJ	Ok
34	AR1254ICV500	ICVPO110425AR1254	PO114902.D	04 Nov 2025 21:35		YP/AJ	Ok
35	AR1268ICV500	ICVPO110425AR1268	PO114903.D	04 Nov 2025 22:12		YP/AJ	Ok
36	DDT ANALOG	DDT ANALOG	PO114904.D	04 Nov 2025 22:48		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111125

Review By	rahul	Review On	11/12/2025 8:55:27 AM
Supervise By	yogesh	Supervise On	11/12/2025 9:45:24 AM
SubDirectory	PO111125	HP Acquire Method	HP Processing Method PP102125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO114994.D	11 Nov 2025 09:40		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO114995.D	11 Nov 2025 09:58		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO114996.D	11 Nov 2025 10:23		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO114997.D	11 Nov 2025 10:42		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO114998.D	11 Nov 2025 11:00		YP/AJ	Ok
6	I.BLK	I.BLK	PO114999.D	11 Nov 2025 11:18		YP/AJ	Ok
7	PB170475BL	PB170475BL	PO115000.D	11 Nov 2025 11:50		YP/AJ	Ok
8	PB170475BS	PB170475BS	PO115001.D	11 Nov 2025 12:09		YP/AJ	Ok
9	Q3586-01	SED-1	PO115002.D	11 Nov 2025 12:27		YP/AJ	Ok
10	Q3586-01MS	SED-1MS	PO115003.D	11 Nov 2025 12:45		YP/AJ	Ok
11	Q3586-01MSD	SED-1MSD	PO115004.D	11 Nov 2025 13:04		YP/AJ	Ok
12	Q3586-02	SED-2	PO115005.D	11 Nov 2025 13:22		YP/AJ	Ok
13	Q3586-03	SED-3	PO115006.D	11 Nov 2025 13:40		YP/AJ	Ok
14	Q3590-01	MOO-25-0314-0316-CO	PO115007.D	11 Nov 2025 13:59		YP/AJ	Ok,M
15	Q3590-03	MOO-25-0317-0318-CO	PO115008.D	11 Nov 2025 14:17		YP/AJ	Ok
16	Q3590-05	MOO-25-0319	PO115009.D	11 Nov 2025 14:36		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO115010.D	11 Nov 2025 15:49		YP/AJ	Ok
18	AR1242CCC500	AR1242CCC500	PO115011.D	11 Nov 2025 16:07		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO111125

Review By	rahul	Review On	11/12/2025 8:55:27 AM
Supervise By	yogesh	Supervise On	11/12/2025 9:45:24 AM
SubDirectory	PO111125	HP Acquire Method	HP Processing Method PP102125
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PO115012.D	11 Nov 2025 16:26		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO115013.D	11 Nov 2025 16:44		YP/AJ	Ok
21	I.BLK	I.BLK	PO115014.D	11 Nov 2025 17:03		YP/AJ	Ok
22	PB170484BL	PB170484BL	PO115015.D	11 Nov 2025 17:21		YP/AJ	Ok
23	PB170484BS	PB170484BS	PO115016.D	11 Nov 2025 17:39		YP/AJ	Ok
24	PB170484BSD	PB170484BSD	PO115017.D	11 Nov 2025 17:58		YP/AJ	Ok
25	Q3551-01	MANHOLE	PO115018.D	11 Nov 2025 18:16		YP/AJ	Ok
26	Q3561-01	1027-A-D	PO115019.D	11 Nov 2025 18:34	TCMX high in 2nd column , AR1248 hit , need 2x dilution	YP/AJ	Dilution
27	Q3569-01	MW-2	PO115020.D	11 Nov 2025 18:53		YP/AJ	Ok
28	Q3569-02	MW-12	PO115021.D	11 Nov 2025 19:11		YP/AJ	Ok
29	Q3584-01	SW-1	PO115022.D	11 Nov 2025 19:30		YP/AJ	Ok
30	Q3584-02	SW-2	PO115023.D	11 Nov 2025 19:48		YP/AJ	Ok
31	Q3595-01	LAW-25-0176	PO115024.D	11 Nov 2025 20:05		YP/AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PO115025.D	11 Nov 2025 21:19		YP/AJ	Ok
33	AR1242CCC500	AR1242CCC500	PO115026.D	11 Nov 2025 22:14		YP/AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PO115027.D	11 Nov 2025 22:32		YP/AJ	Ok
35	AR1254CCC500	AR1254CCC500	PO115028.D	11 Nov 2025 22:51		YP/AJ	Ok
36	I.BLK	I.BLK	PO115029.D	11 Nov 2025 23:09		YP/AJ	Ok

M : Manual Integration

SOP ID:	M3510C,3580A-Extraction PCB-15		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	11/11/2025
Matrix :	Water	Extraction Start Time :	09:19
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Filter By:	RS
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	E3953	Hood ID:	4,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continuous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	11/11/2025
		Extraction End Time :	13:45
		Concentration By:	EH
		Supervisor By :	RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24930
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3980
Baked Na2SO4	N/A	EP2655
Hexane	N/A	E3981
H2SO4 1:1	N/A	EP2657
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot# 03-40BT5721. Q3569 all samples and Q3584-04 & 05 split the volume Q3595-01 used Limited volume as sample is oily.

KD Bath ID:	WATER BATH-1	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/11/25	RS (Ext Lab)	Y-P-P 2011 PUS
13:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction PCB-15

Concentration Date: 11/11/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170484BL	ABLK484	PCB	1000	6	RUPESH	ritesh	10			SEP-1
PB170484BS	ALCS484	PCB	1000	6	RUPESH	ritesh	10			2
PB170484BS D	ALCSD484	PCB	1000	6	RUPESH	ritesh	10			3
Q3551-01	MANHOLE	PCB	930	6	RUPESH	ritesh	10	K		4
Q3561-01	1027-A-D	PCB	970	6	RUPESH	ritesh	10	C		5
Q3569-01	MW-2	PCB	485	6	RUPESH	ritesh	5	L		6
Q3569-02	MW-12	PCB	475	6	RUPESH	ritesh	5	L		7
Q3584-01	SW-1	PCB	1000	6	RUPESH	ritesh	10	L		8
Q3584-02	SW-2	PCB	1000	6	RUPESH	ritesh	10	L		9
Q3584-03	SW-3	PCB	990	6	RUPESH	ritesh	10	L		10
Q3584-04	EB-2	PCB	480	6	RUPESH	ritesh	5	F		11
Q3584-05	FB-2	PCB	490	6	RUPESH	ritesh	5	G		12
Q3584-07	SEEP-1	PCB	1000	6	RUPESH	ritesh	10	L		13
Q3595-01	LAW-25-0176	PCB	100	6	RUPESH	ritesh	10	C	Oily	14

Rs
11/11

171041
6719
581041

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3561 WorkList ID : 193039 Department : Extraction Date : 11-11-2025 08:37:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3551-01	MANHOLE	Water	PCB	Cool 4 deg C	SPEC01	D41	11/05/2025	8082A
Q3561-01	1027-A-D	Water	PCB	Cool 4 deg C	PSEG03	D41	11/06/2025	8082A
Q3569-01	MW-2	Water	PCB	Cool 4 deg C	REMI02	J22	11/05/2025	8082A
Q3569-02	MW-12	Water	PCB	Cool 4 deg C	REMI02	J22	11/05/2025	8082A
Q3584-01	SW-1	Water	PCB	Cool 4 deg C	REMI02	D41	11/06/2025	8082A
Q3584-02	SW-2	Water	PCB	Cool 4 deg C	REMI02	D41	11/07/2025	8082A
Q3584-03	SW-3	Water	PCB	Cool 4 deg C	REMI02	D41	11/07/2025	8082A
Q3584-04	EB-2	Water	PCB	Cool 4 deg C	REMI02	D41	11/06/2025	8082A
Q3584-05	FB-2	Water	PCB	Cool 4 deg C	REMI02	D41	11/07/2025	8082A
Q3584-07	SEEP-1	Water	PCB	Cool 4 deg C	REMI02	D41	11/07/2025	8082A
Q3595-01	LAW-25-0176	Water	PCB	Cool 4 deg C	PSEG03	D41	11/07/2025	8082A

Date/Time 11/11/25 9:15
Raw Sample Received by: RS (Ext-66)
Raw Sample Relinquished by: RS (Ext-66)

Date/Time 11/11/25 10:00
Raw Sample Received by: RS (Ext-66)
Raw Sample Relinquished by: RS (Ext-66)

Prep Standard - Chemical Standard Summary

Order ID : Q3569

Test : PCB

Prepbatch ID : PB170484,

Sequence ID/Qc Batch ID: po111125,

Standard ID :

EP2655,EP2657,PP24329,PP24330,PP24381,PP24663,PP24805,PP24806,PP24807,PP24808,PP24809,PP24810,PP24811,PP24812,PP24814,PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862,PP24930,

Chemical ID :

E3804,E3875,E3944,E3962,E3963,E3972,E3980,E3981,M6186,P 11522,P11592,P12700,P12703,P12952,P12953,P12957,P13356,P13373,P13375,P13590,P13592,P13695,P13697,P13706,P13786,P13789,P13833,P13879,P13881,P13885,W3112,W3177,W3234,



<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	EP2655	10/24/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/24/2025
<u>FROM</u> 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2657	11/03/2025	05/03/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 11/03/2025
<u>FROM</u> 1000.00000ml of M6186 + 1000.00000ml of W3112 = Final Quantity: 2000.000 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>
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

<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

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>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13789 + 9.00000ml of E3962 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
213	AR1221 1000 PPB WORKING SOLUTION	PP24806	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13375 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

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	PP24807	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13879 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
215	AR1242 1000 PPB WORKING STD	PP24808	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13706 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

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	PP24809	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13695 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
217	AR1254 1000 PPB WORKING STD	PP24810	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P11592 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

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	PP24811	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13881 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1532	AR1268 1000 PPB Working Solution	PP24812	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.10000ml of P13885 + 99.40000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

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	PP24814	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P12952 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	PP24815	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 98.50000ml of E3962 + 0.50000ml of PP24805 + 1.00000ml of PP24814 = Final Quantity: 100.000 ml

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>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24816	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13373 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP24817	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P12700 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

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>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24818	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13590 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP24819	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13592 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

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>
2193	AR1254 100 PPM STOCK SOLUTION	PP24820	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P13833 + 9.00000ml of E3963 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	PP24821	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 1.00000ml of P12703 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

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>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24822	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 1.00000ml of P11522 + 98.50000ml of E3962 + 0.50000ml of PP24805 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	PP24823	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

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	PP24824	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	PP24825	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

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	PP24826	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24824 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	PP24827	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24806 = Final Quantity: 1.000 ml

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>
222	AR1221 500 PPB STD	PP24828	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24806 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	PP24829	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24806 = Final Quantity: 1.000 ml

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>
1081	AR1221 50 PPB STD	PP24830	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24828 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	PP24831	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24807 = Final Quantity: 1.000 ml

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	PP24832	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24807 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	PP24833	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24807 = Final Quantity: 1.000 ml

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	PP24834	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24832 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	PP24835	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24808 = Final Quantity: 1.000 ml

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>
224	AR1242 500 PPB STD	PP24836	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24808 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	PP24837	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24808 = Final Quantity: 1.000 ml

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>
1069	AR1242 50 PPB STD	PP24838	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24836 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	PP24839	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24809 = Final Quantity: 1.000 ml

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	PP24840	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24809 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	PP24841	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24809 = Final Quantity: 1.000 ml

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	PP24842	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24840 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	PP24843	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24810 = Final Quantity: 1.000 ml

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>
226	AR1254 500 PPB STD	PP24844	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24810 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	PP24845	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24810 = Final Quantity: 1.000 ml

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>
1073	AR1254 50 PPB STD	PP24846	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24844 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	PP24847	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24811 = Final Quantity: 1.000 ml

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	PP24848	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24811 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	PP24849	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24811 = Final Quantity: 1.000 ml

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	PP24850	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24848 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	PP24851	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.25000ml of W3234 + 0.75000ml of PP24812 = Final Quantity: 1.000 ml

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>
1533	AR1268 500 PPB STD	PP24852	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24812 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	PP24853	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.75000ml of W3234 + 0.25000ml of PP24812 = Final Quantity: 1.000 ml

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>
3822	AR1268 50 PPB STD	PP24854	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24852 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	PP24855	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24815 = Final Quantity: 1.000 ml

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>
3790	AR1221 500 PPB ICV(AGILENT)	PP24856	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24816 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	PP24857	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24817 = Final Quantity: 1.000 ml

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	PP24858	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24818 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	PP24859	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24819 = Final Quantity: 1.000 ml

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	PP24860	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	PP24861	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24821 = Final Quantity: 1.000 ml

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	PP24862	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24822 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24930	09/18/2025	03/18/2026	Abdul Mirza	None	None	Yogesh Patel
								09/19/2025

FROM 0.50000ml of P12953 + 99.50000ml of E3972 = Final Quantity: 100.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	02/18/2026	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	02/15/2026	08/15/2025 / RUPESH	08/07/2025 / RUPESH	E3963

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/30/2026	10/27/2025 / RUPESH	10/22/2025 / RUPESH	E3981

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)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	09/18/2025	03/18/2025 / yogesh	02/21/2022 / Ankita	P11522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	02/18/2026	08/18/2025 / yogesh	03/18/2022 / Abdul	P11592

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards,Inc	91867 / Aroclor 1232 100 ug/mL	020823	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12700

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	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12703

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	02/18/2026	08/18/2025 / yogesh	12/20/2023 / Yogesh	P12952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	03/18/2026	09/18/2025 / Abdul	12/20/2023 / Yogesh	P12953

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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

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	A0207511	02/18/2026	08/18/2025 / yogesh	05/03/2024 / Abdul	P13375

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006726317	02/18/2026	08/18/2025 / yogesh	10/14/2024 / Ankita	P13592

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	A0214733	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13695

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0210629	09/18/2025	03/18/2025 / yogesh	10/17/2024 / yogesh	P13697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	A0210232	02/18/2026	08/18/2025 / yogesh	10/17/2024 / yogesh	P13706

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	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	02/18/2026	08/18/2025 / yogesh	11/19/2024 / Ankita	P13789

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	a0217391	02/18/2026	08/18/2025 / yogesh	12/09/2024 / Ankita	P13833

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0219655	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13879

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0217041	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13881

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0217264	02/18/2026	08/18/2025 / yogesh	01/23/2025 / Ankita	P13885

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/28/2025 / jignesh	07/25/2025 / jignesh	W3234

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone.
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 8/6/25

E 3963

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date: 2026-04-16
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	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

REC. on 10/10/25
RJ

E3980

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Received on 10/22/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3981

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M6186

Recieve Date :- 08/06/25

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.1 %
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 and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities - Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 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	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium



Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

A handwritten signature in cursive script that reads 'Jamie Ethier'.
Jamie Ethier
Vice President Global Quality



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

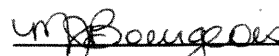
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 Lot No.: A0175403
Description : Aroclor® 1254 Standard
Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254 CAS # 11097-69-1 (Lot 124-191-B) Purity ----%	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric +/- 31.7284 µg/mL Unstressed +/- 41.4406 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11588
↓
P11592 / (S)

AR
04/30/2022

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

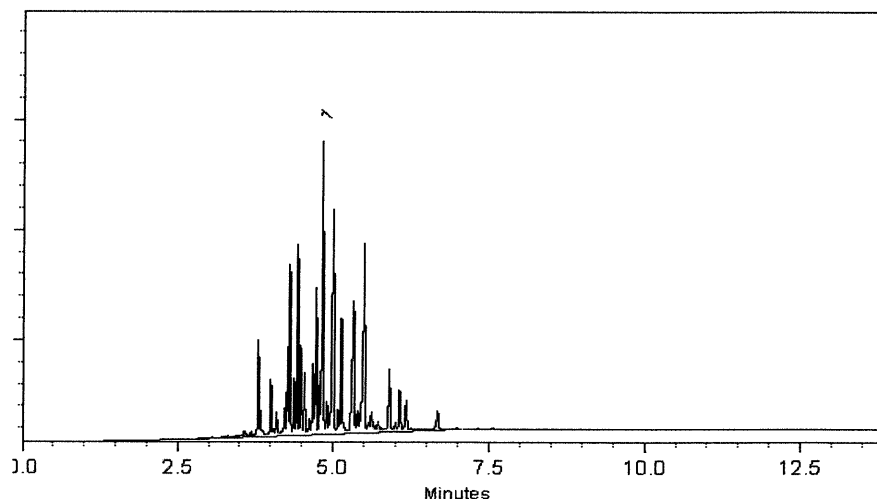
250°C

Det. Temp:

300°C

Det. Type:

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P11588
↓
P11592 / (5)

AR
04/30/22



CERTIFIED WEIGHT REPORT

Part Number: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent(
Aceton

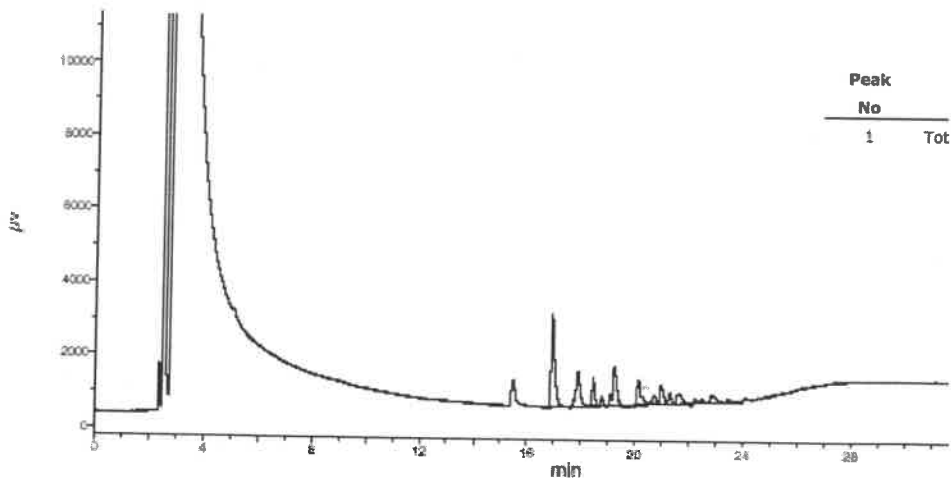
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

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





CERTIFIED WEIGHT REPORT

Part Number: X9166
Lot Number: 060523
Description: Aroclor 1262

Solvent(s):
Methanol

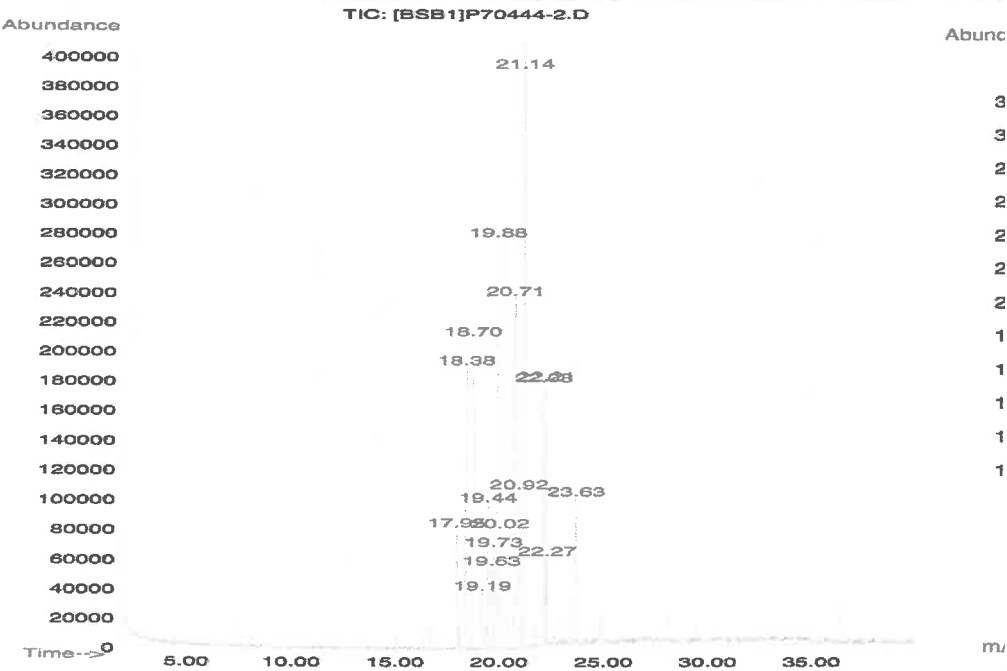
Appendix IX Compound

Expiration Date: 060533
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 0.002
5E-05 Balance Uncertainty
Flask Uncertainty

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Co
1. Aroclor 1262	70444	080322	0.10	2.00	0.017	

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickn min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.



- The certified value is the concentration calculated from gravimetric and volumetric me
- Standards are prepared gravimetrically using balances that are calibrated with weight
- 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 appro
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20084

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

20084

022023

CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

022033

Ambient (20 °C)

1000

6UTB

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

5E-05 Balance Uncertainty

0.010 Flask Uncertainty

200.0

200.0

Weight(s) shown below were combined and diluted to (mL):

200.0

Part Number:
20084

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

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

5E-05 Balance Uncertainty

0.010 Flask Uncertainty

200.0

200.0

Weight(s) shown below were combined and diluted to (mL):

200.0

Part Number:
20084

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

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

5E-05 Balance Uncertainty

0.010 Flask Uncertainty

200.0

200.0

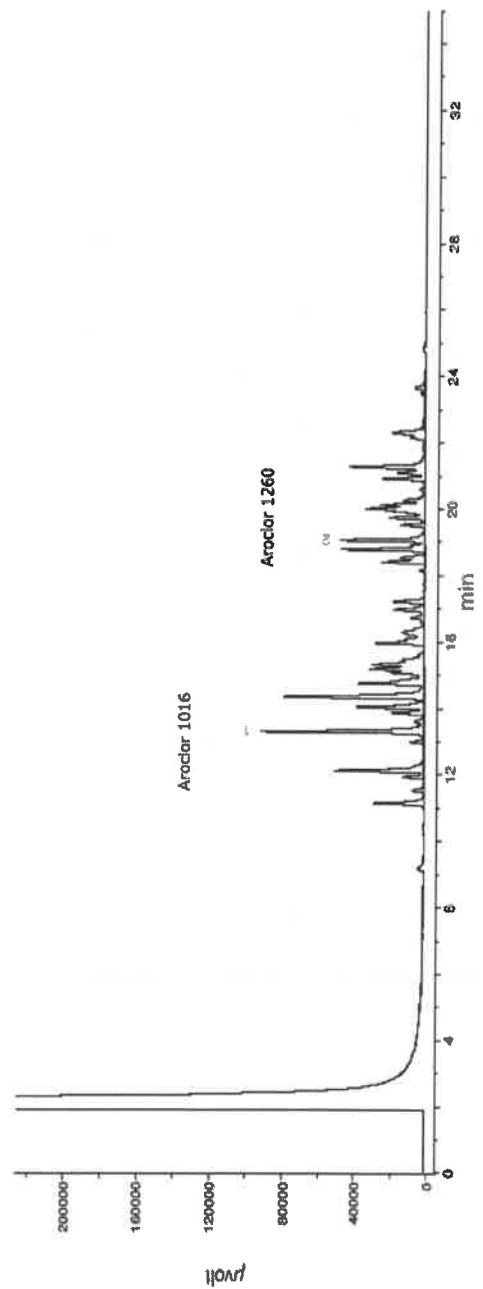
Weight(s) shown below were combined and diluted to (mL):

200.0

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 Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Solvent(s):
Hexane

Lot#
273615

Lot Number:
022023

CLP PCB'S - Aroclor Mix

Description:
Aroclors 1016 & 1260

022033

Expiration Date:
Ambient (20 °C)

5E-05 Balance Uncertainty

Recommended Storage:
1000

0.010 Flask Uncertainty

Nominal Concentration (µg/mL):
6UTB

200.0

NIST Test ID#:

5E-05

Weight(s) shown below were combined and diluted to (mL):

200.0

Formulated By:
Benson Chan

022023

DATE

Reviewed By:
Pedro L. Rentas

022023

DATE

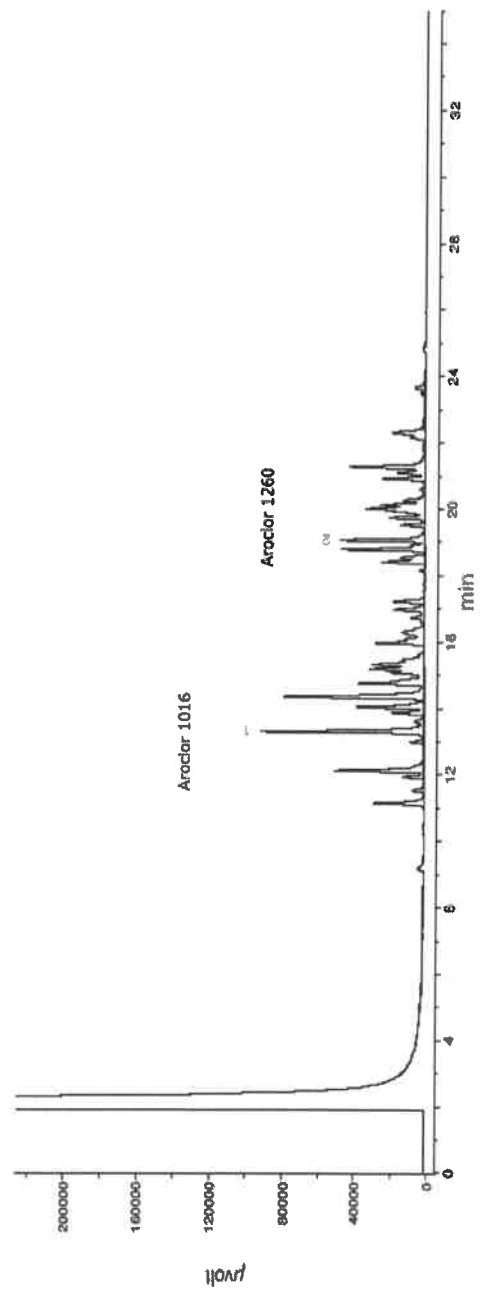
PR2946 718
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12/20/23
P12955

SDS Information

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

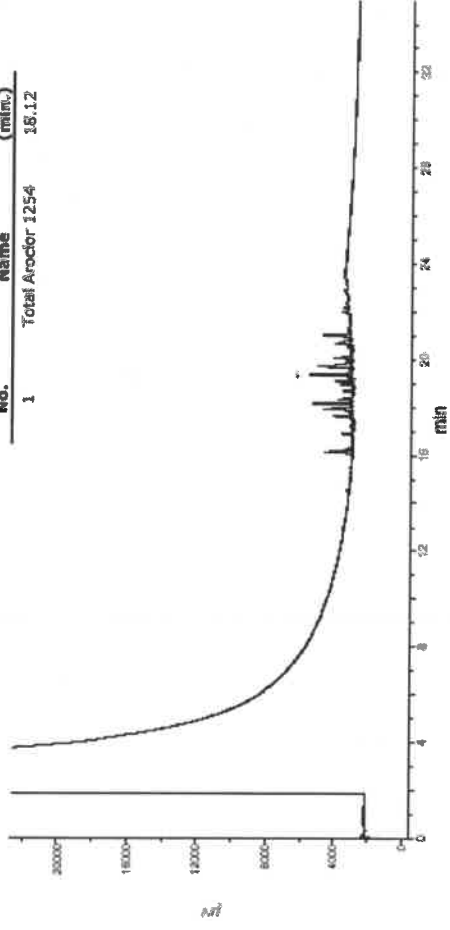
P12956 / Y.P.
12/18/23
P12957

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 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

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12





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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. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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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:

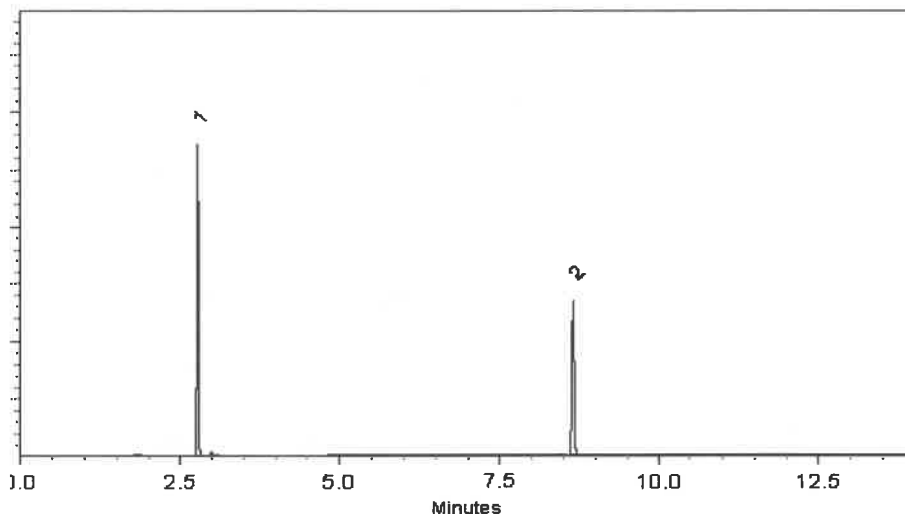
ECD

Split Vent:

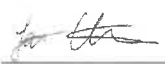
10 ml/min.

Inj. Vol

1µl

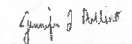


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

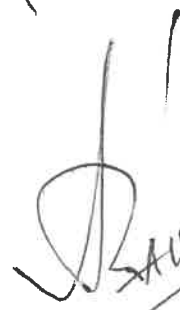
Balance Serial # 1128360905


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
10


SAUF
04/25/2025



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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. : 32007 **Lot No.:** A0207511

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	13192500	----%	1,002.7 µg/mL	+/- 55.6424

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 13374
↓
P 13375
/

[Signature]
05/6/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

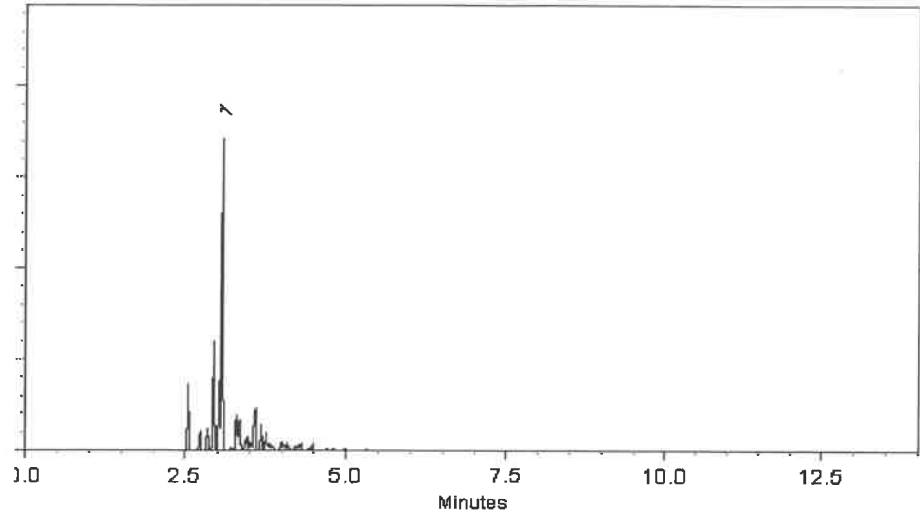
ECD

Split Vent:

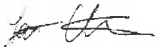
10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 06-Feb-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

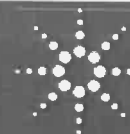
Date Passed: 08-Feb-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13374 } ②
↓
P 13375 }


05/6/2024

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1242	100.4	± 0.5 µg/mL	053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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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
↓
P13592

AS
10/14/2024



Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



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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Tel: 1-814-353-1300
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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. : 32010 **Lot No.:** A0214733

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13695 } Y.P.
P13696 } 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	15242800	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

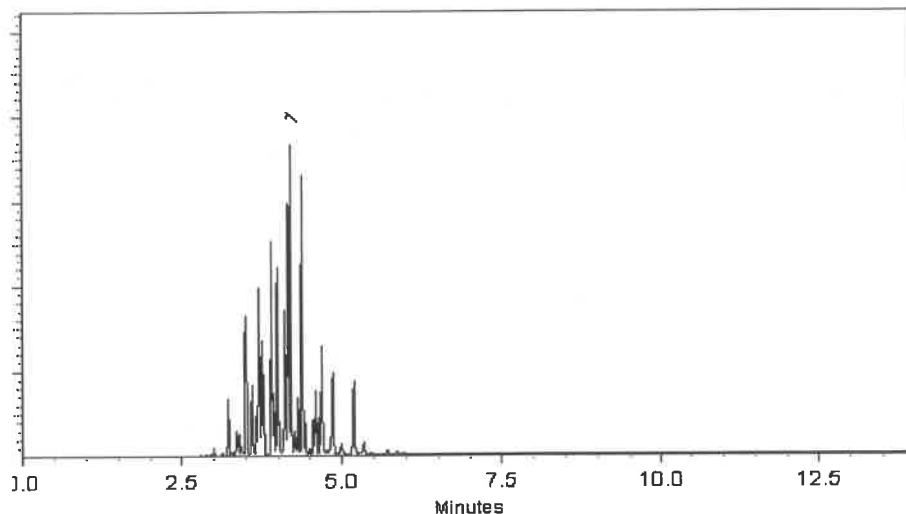
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 02-Aug-2024

Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0210629

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13697
↓
P13701 } Y.P.
10/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	07	----%	1,005.3 µg/mL	+/- 55.7809
2	Aroclor 1260	11096-82-5	1320657	----%	1,000.0 µg/mL	+/- 55.4850

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

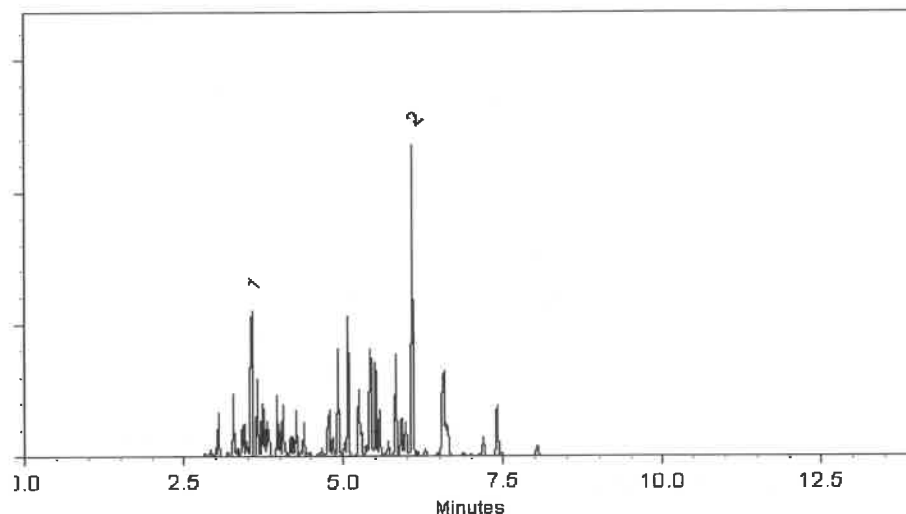
ECD

Split Vent:

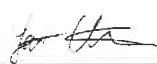
10 ml/min.

Inj. Vol

0.2µl

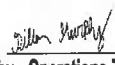


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B442140311


Dillan Murphy - Operations Technician I

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0210232
Description : Aroclor® 1242 Standard
Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2030 **Storage:** 25°C nominal
Handling: This product contains PCBs. **Ship:** Ambient

P13706 } y.p.
P13707 } 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	----%	1,000.7 µg/mL	+/- 55.5295

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

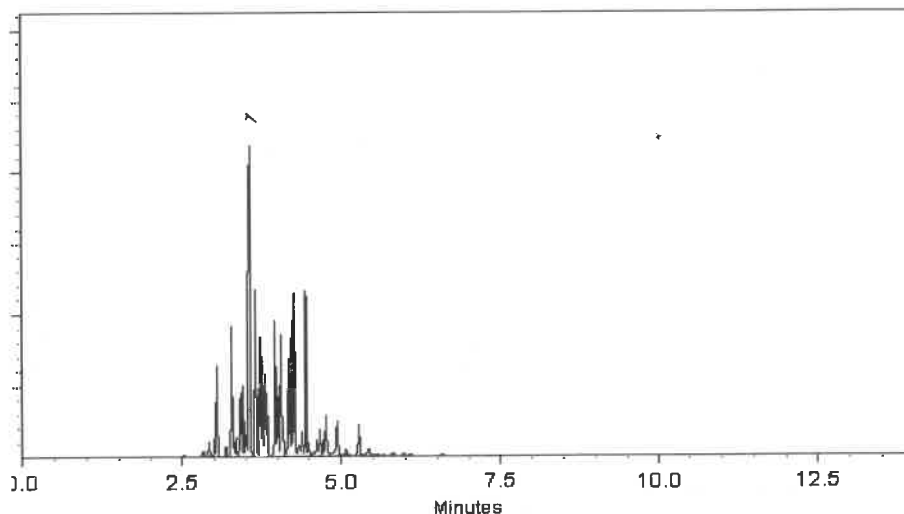
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 17-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



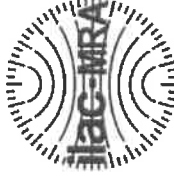
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x 25mm x 2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

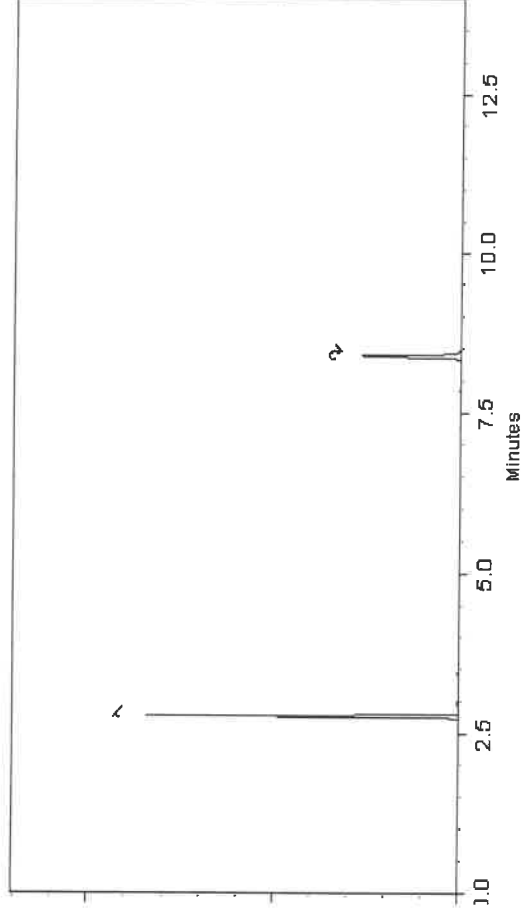
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



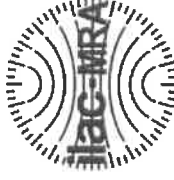
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x 25mm x 2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

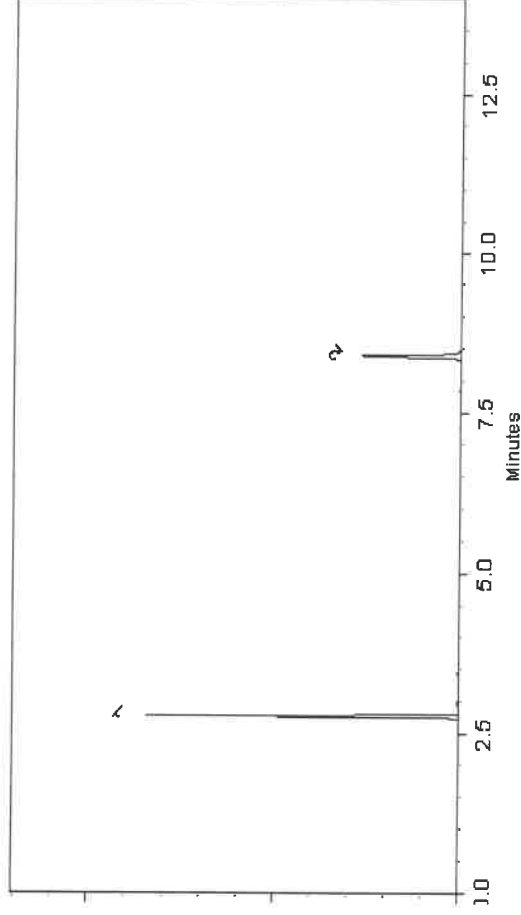
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0217391

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2031 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,004.7 µg/mL	+/- 55.7515

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13830
↓
P13832
↓
P13834
AJ
12/09/24

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

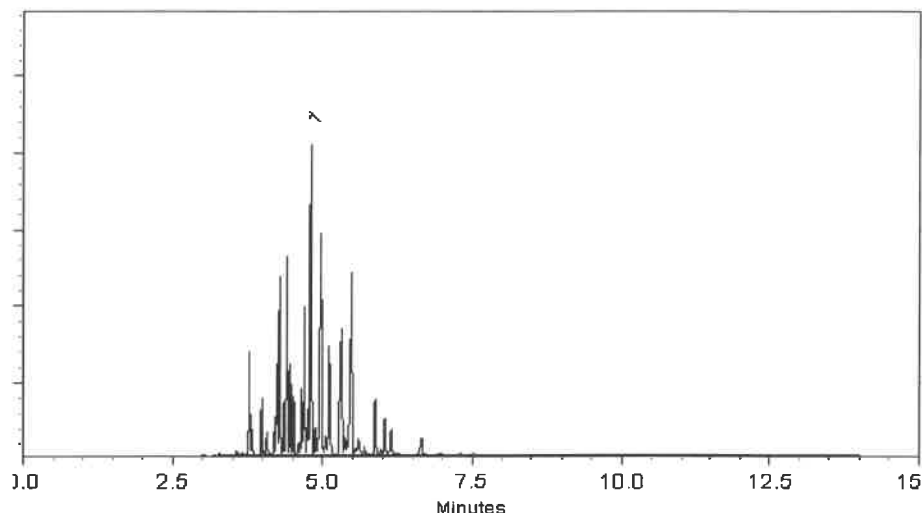
ECD

Split Vent:

300 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 02-Oct-2024

Balance Serial # C322230531

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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

Container Size : 2 mL

Expiration Date : March 31, 2031

Handling: This product contains PCBs.

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Pkg Amt: > 1 mL

Storage: 25°C nominal

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
↓
P13880

AJ
01/28/25

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

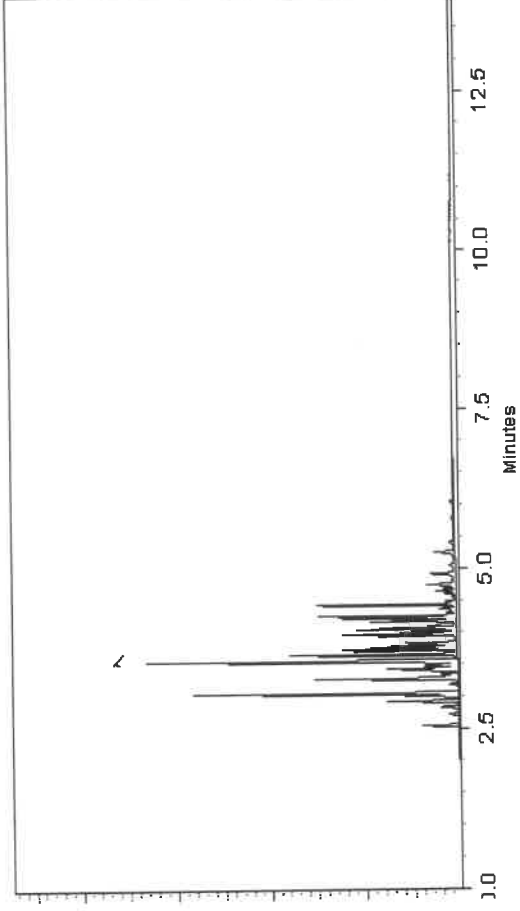
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 02-Dec-2024

Balance Serial #

C322230531

Brittany Federhik
Brittany Federhiko - Operations Tech I

Date Passed: 05-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0217041

Description : Aroclor® 1262 Standard

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1262	37324-23-5	10849100	----%	1,000.0 µg/mL	+/- 55.4925

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

P13881
AJ
01128125

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

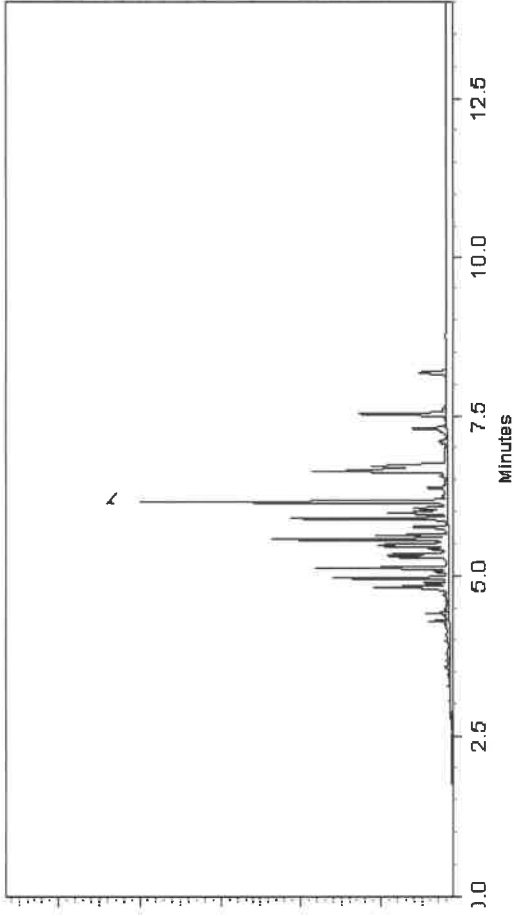
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Rebecca Gingerich - Operations Tech II


Jennifer Pollino - Operations Tech III - ARM QC

Date Mixed: 25-Sep-2024 Balance Serial # C322230531

Date Passed: 30-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



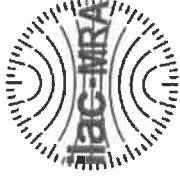
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410

Lot No.: A0217264

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : January 31, 2031

Storage: 25°C nominal

Handling:

This product contains PCBs.

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1268	11100-14-4	12353400	----%	1,009.8 µg/mL	+/- 56.0364

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

P13884

+

AJ
01/28/25

P13886

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

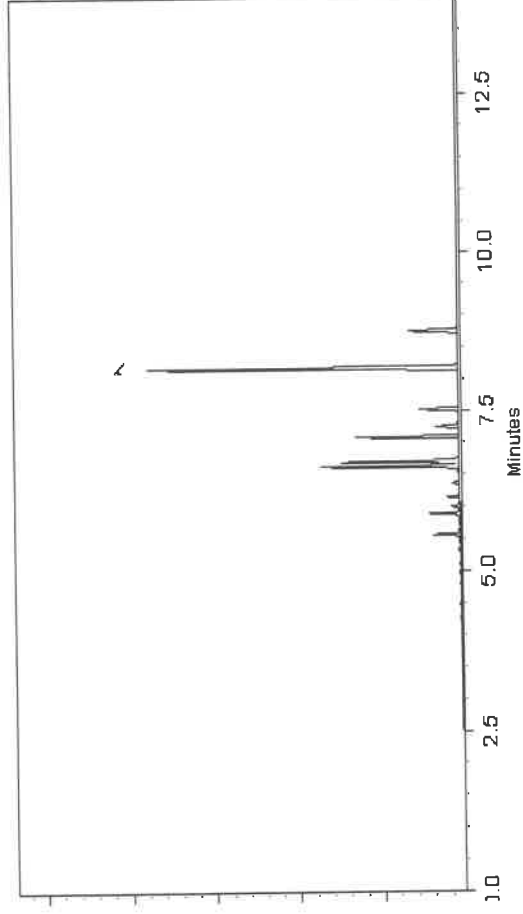
ECD

Split Vent:

Split ratio 500:1

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 01-Oct-2024

Balance Serial #

1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantor**™



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

W3234 JB
OP4421 07/28/2025

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington-Blenick Engineers
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carson @ nve.com
PHONE: 609-682-3049 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Edison Landfill
PROJECT NO.: 605T007 LOCATION: Edison, NJ
PROJECT MANAGER: Leslie Hartzell
e-mail: Leslie.Hartzell@nve.com
PHONE: 610-663-4665 FAX:

CLIENT BILLING INFORMATION

BILL TO: AP invoices@nve.com PO#: 1205T007
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STAT 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 NJ HAZ Site

1. TC/FA/130
2. VOCs
3. THALMATHIS MARY
4. CYANIDE
5. COD
6. TKN
7. Oil/Grease
8. Hexachlor
9. WESCBANK

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	A	B	D	C	C	C	F	A	
1.	MW-2	GW			4/11/25	12:00	15	7	2	1	1	1	1	1	1		
2.	MW-12	GW			6/11/25	16:30	15	7	2	1	1	1	1	1	1		
3.	TB-2	GW			10/11/25	8:00	2									2	please add trip blank
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>Aria Mauer</u>	DATE/TIME: <u>11/6/25 (14:00)</u>	RECEIVED BY: <u>[Signature]</u> <u>1510</u> <u>11-6-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.6</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>11-6-25</u>	RECEIVED BY:	

Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

From: Kyle Carlson <Kyle.Carlson@rve.com>
Sent: Friday, November 07, 2025 10:12 AM
Subject: Re: Trip Blank sample

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Deepak - confirming request to add TB sample and run to this order - please let me know if I can provide any additional info. Thank you.

Regards,

Kyle Carlson, LSRP
Environmental Project Manager
Remington & Vernick Engineers
2059 Springdale Road
Cherry Hill, NJ 08003
Cell: (609) 682-3049
Kyle.Carlson@rve.com



Offices throughout NJ • PA • MD • DE • NC
RVE.com | [LinkedIn](#)

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Friday, November 7, 2025 9:44 AM
To: Leslie Hartzell <leslie.hartzell@rve.com>; Kyle Carlson <Kyle.Carlson@rve.com>
Subject: Trip Blank sample

hi,
lab did not receive TB sample with the shipment and on COC there are comments say please add trip blank sample, So do want lab to make trip blank sample and Run ?

Thanks & Regards,





Deepak Parmar
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3154
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com



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Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3569	REMI02	Order Date : 11/6/2025 3:21:00 PM	Project Mgr :
Client Name : Remington & Vernick Engi		Project Name : Edison Landfill	Report Type : NJ Reduced
Client Contact : Kyle Carlson		Receive Date/Time : 11/6/2025 4:16:00 PM	EDD Type : Excel NJ
Invoice Name : Remington & Vernick Engi		Purchase Order :	Hard Copy Date :
Invoice Contact : Kyle Carlson			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3569-01	MW-2	Water	11/05/2025	12:00	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3569-02	MW-12	Water	11/05/2025	16:30	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3569-03	TB-2	Water	11/05/2025	08:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : CP

Date / Time : 11/7/25 10:25

Received By : San

Date / Time : 11/07/25 10:25

Storage Area : VOA Refridgerator Room