

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:	Q3310	OrderDate:	10/8/2025 1:24:21 PM
Client:	Langan Engineering and Environmental Services, Inc	Project:	Con Edison Richmond Terrace
Contact:	Gregory DelMastro	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3310-01	SS-01-0-1	SOIL			10/07/25			10/08/25
			PCB	8082A		10/10/25	10/10/25	
Q3310-02	SS-01-1-2	SOIL			10/07/25			10/08/25
			PCB	8082A		10/10/25	10/10/25	
			Pesticide-TCL	8081B		10/10/25	10/10/25	
Q3310-03	SS-01-2-3	SOIL			10/07/25			10/08/25
			PCB	8082A		10/10/25	10/10/25	
			Pesticide-TCL	8081B		10/10/25	10/10/25	

Hit Summary Sheet
SW-846

SDG No.: Q3310

Order ID: Q3310

Client: Langan Engineering and Environmental Services.

Project ID: Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	SS-01-0-1							
Q3310-01	SS-01-0-1	SOIL	Aroclor-1260	69.9		4.90	26.0	ug/kg
			Total Concentration:	69.900				
Client ID :	SS-01-1-2							
Q3310-02	SS-01-1-2	SOIL	Aroclor-1260	75.8	P	4.40	23.4	ug/kg
			Total Concentration:	75.800				
Client ID :	SS-01-2-3							
Q3310-03	SS-01-2-3	SOIL	Aroclor-1260	24.5	P	4.30	22.6	ug/kg
			Total Concentration:	24.500				



QC SUMMARY

Surrogate Summary

SDG No.: Q3310

Client: Langan Engineering and Environmental

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PP075246.D	PIBLK-PP075246.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140
		Decachlorobiphen	1	20	19.4	97		60	140
		Tetrachloro-m-xyl	2	20	17.9	90		60	140
		Decachlorobiphen	2	20	20.0	100		60	140
I.BLK-PP075708.D	PIBLK-PP075708.D	Tetrachloro-m-xyl	1	20	20.1	100		60	140
		Decachlorobiphen	1	20	20.8	104		60	140
		Tetrachloro-m-xyl	2	20	16.4	82		60	140
		Decachlorobiphen	2	20	20.6	103		60	140
PB170053BL	PB170053BL	Tetrachloro-m-xyl	1	20	24.7	123		32	144
		Decachlorobiphen	1	20	24.5	123		32	175
		Tetrachloro-m-xyl	2	20	23.4	117		32	144
		Decachlorobiphen	2	20	25.3	126		32	175
Q3310-01	SS-01-0-1	Tetrachloro-m-xyl	1	20	18.5	92		32	144
		Decachlorobiphen	1	20	15.1	76		32	175
		Tetrachloro-m-xyl	2	20	20.9	105		32	144
		Decachlorobiphen	2	20	14.2	71		32	175
Q3310-02	SS-01-1-2	Tetrachloro-m-xyl	1	20	18.0	90		32	144
		Decachlorobiphen	1	20	15.8	79		32	175
		Tetrachloro-m-xyl	2	20	17.9	89		32	144
		Decachlorobiphen	2	20	13.6	68		32	175
Q3310-02MS	SS-01-1-2MS	Tetrachloro-m-xyl	1	20	20.8	104		32	144
		Decachlorobiphen	1	20	16.8	84		32	175
		Tetrachloro-m-xyl	2	20	19.3	97		32	144
		Decachlorobiphen	2	20	14.9	75		32	175
Q3310-02MSD	SS-01-1-2MSD	Tetrachloro-m-xyl	1	20	20.6	103		32	144
		Decachlorobiphen	1	20	17.0	85		32	175
		Tetrachloro-m-xyl	2	20	19.8	99		32	144
		Decachlorobiphen	2	20	16.1	81		32	175
Q3310-03	SS-01-2-3	Tetrachloro-m-xyl	1	20	18.9	95		32	144
		Decachlorobiphen	1	20	14.9	74		32	175
		Tetrachloro-m-xyl	2	20	18.7	93		32	144
		Decachlorobiphen	2	20	12.5	63		32	175
I.BLK-PP075723.D	PIBLK-PP075723.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140
		Decachlorobiphen	1	20	20.3	101		60	140
		Tetrachloro-m-xyl	2	20	18.7	94		60	140
		Decachlorobiphen	2	20	20.8	104		60	140
I.BLK-PP075790.D	PIBLK-PP075790.D	Tetrachloro-m-xyl	1	20	21.9	110		60	140
		Decachlorobiphen	1	20	21.0	105		60	140
		Tetrachloro-m-xyl	2	20	16.4	82		60	140
		Decachlorobiphen	2	20	22.1	110		60	140
PB170053BS	PB170053BS	Tetrachloro-m-xyl	1	20	15.9	80		32	144

Surrogate Summary

SDG No.: Q3310

Client: Langan Engineering and Environmental

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
PB170053BS	PB170053BS	Decachlorobiphen	1	20	14.5	73		32	175
		Tetrachloro-m-xyl	2	20	12.7	64		32	144
		Decachlorobiphen	2	20	14.8	74		32	175
I.BLK-PP075805.D	PIBLK-PP075805.D	Tetrachloro-m-xyl	1	20	21.2	106		60	140
		Decachlorobiphen	1	20	20.1	101		60	140
		Tetrachloro-m-xyl	2	20	18.2	91		60	140
		Decachlorobiphen	2	20	21.2	106		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3310</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Langan Engineering and Environmental S</u>	DataFile :	<u>PP075716.D</u>

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3310-02MS (Column 1)	Client Sample ID:	SS-01-1-2MS									
	AR1016	229.9	0	286	ug/kg	124				55	146	
	AR1260	229.9	75.8	261	ug/kg	81				54	119	
Lab Sample ID:	Q3310-02MS (Column 2)	Client Sample ID:	SS-01-1-2MS									
	AR1016	229.9	0	265	ug/kg	115				55	146	
	AR1260	229.9	31.5	222	ug/kg	97				54	119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3310</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Langan Engineering and Environmental S</u>	DataFile :	<u>PP075717.D</u>

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3310-02MSD (Column 1)	Client Sample ID: SS-01-1-2MSD										
	AR1016	229.8	0	303	ug/kg	132		6		55	146	15
	AR1260	229.8	75.8	320	ug/kg	106		27	*	54	119	15
Lab Sample ID:	Q3310-02MSD (Column 2)	Client Sample ID: SS-01-1-2MSD										
	AR1016	229.8	0	275	ug/kg	120		4		55	146	15
	AR1260	229.8	31.5	260	ug/kg	113		15	*	54	119	15



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method: 8082A

Client: Langan Engineering and Environmental S

Datafile : PP075791.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170053BS (Column 1)	AR1016	166.6	130	ug/kg	78				71	120	
	AR1260	166.6	127	ug/kg	76				65	130	
PB170053BS (Column 2)	AR1016	166.6	121	ug/kg	73				71	120	
	AR1260	166.6	110	ug/kg	66				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170053BL

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: PB170053BL

Lab File ID: PP075711.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/10/2025

Date Analyzed (1): 10/10/2025

Date Analyzed (2): 10/10/2025

Time Analyzed (1): 12:42

Time Analyzed (2): 12:42

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
SS-01-0-1	Q3310-01	PP075714.D	10/10/2025	10/10/2025
SS-01-1-2	Q3310-02	PP075715.D	10/10/2025	10/10/2025
SS-01-1-2MS	Q3310-02MS	PP075716.D	10/10/2025	10/10/2025
SS-01-1-2MSD	Q3310-02MSD	PP075717.D	10/10/2025	10/10/2025
SS-01-2-3	Q3310-03	PP075718.D	10/10/2025	10/10/2025
PB170053BS	PB170053BS	PP075791.D	10/15/2025	10/15/2025

COMMENTS: _____



SAMPLE DATA



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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25
Client Sample ID:	SS-01-0-1		SDG No.:	Q3310
Lab Sample ID:	Q3310-01		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	65.3
Sample Wt/Vol:	30.09 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	6.00	U	1	6.00	26.0	ug/kg	10/10/25 13:31	PB170053
11104-28-2	Aroclor-1221	6.20	U	1	6.20	26.0	ug/kg	10/10/25 13:31	PB170053
11141-16-5	Aroclor-1232	5.70	U	1	5.70	26.0	ug/kg	10/10/25 13:31	PB170053
53469-21-9	Aroclor-1242	6.10	U	1	6.10	26.0	ug/kg	10/10/25 13:31	PB170053
12672-29-6	Aroclor-1248	9.00	U	1	9.00	26.0	ug/kg	10/10/25 13:31	PB170053
11097-69-1	Aroclor-1254	4.90	U	1	4.90	26.0	ug/kg	10/10/25 13:31	PB170053
37324-23-5	Aroclor-1262	7.70	U	1	7.70	26.0	ug/kg	10/10/25 13:31	PB170053
11100-14-4	Aroclor-1268	5.50	U	1	5.50	26.0	ug/kg	10/10/25 13:31	PB170053
11096-82-5	Aroclor-1260	69.9		1	4.90	26.0	ug/kg	10/10/25 13:31	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.9			32 - 144	105%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.1			32 - 175	76%	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_P\Data\PP101025\
 Data File : PP075714.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 13:31
 Operator : YP\AJ
 Sample : Q3310-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 SS-01-0-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 04:32:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.648	3.789	24199174	127.6E6	18.494	20.912
2) SA Decachlor...	10.418	8.788	15070500	85829081	15.108	14.228
Target Compounds						
31) L7 AR-1260-1	7.387	6.345	7740318	49186402	128.749	121.168
32) L7 AR-1260-2	7.641	6.537	11729098	75197415	161.118	130.590
33) L7 AR-1260-3	7.999	6.684	8151588	32270355	150.551	75.383 #
34) L7 AR-1260-4	8.223	7.152	7054192	33530719	124.771m	77.757 #
35) L7 AR-1260-5	8.553	7.392	13106947	117.5E6	119.362	111.702

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075714.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:31
Operator : YP\AJ
Sample : Q3310-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

SS-01-0-1

Manual Integrations

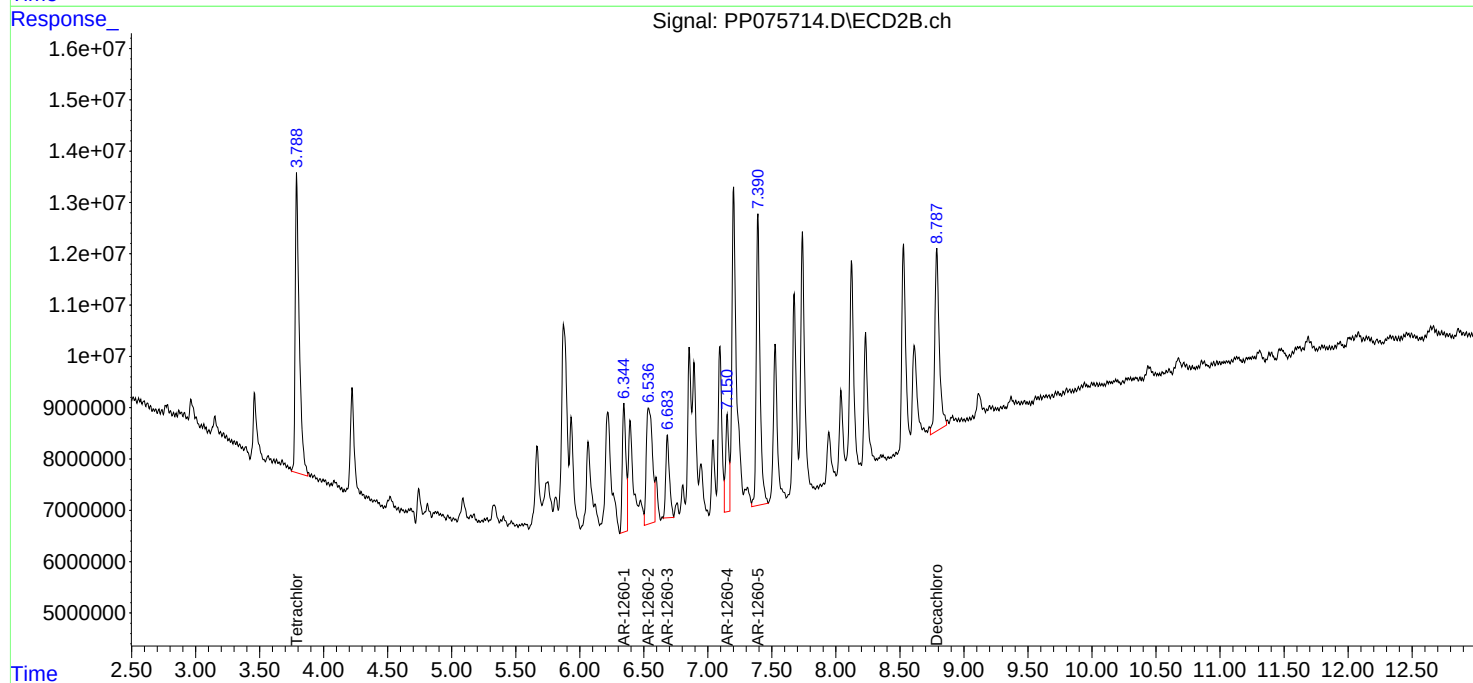
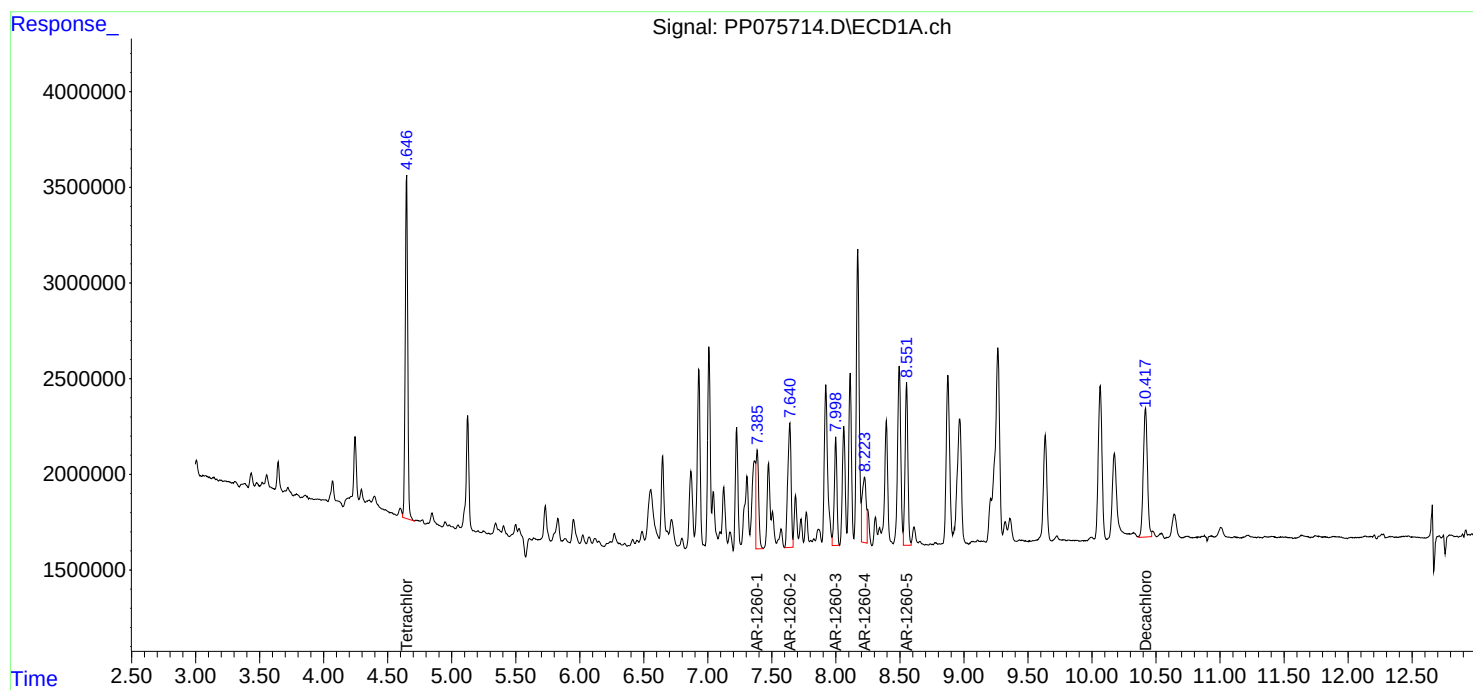
APPROVED

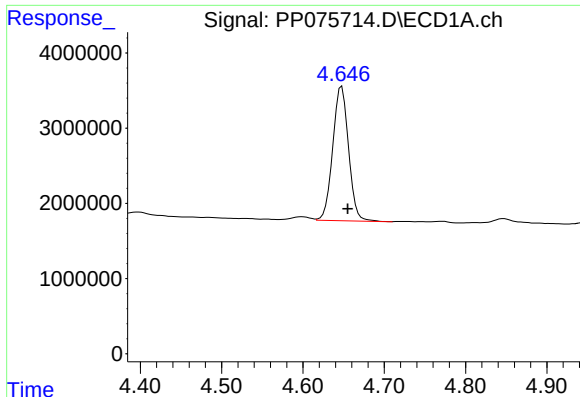
Reviewed By :Yogesh Patel 10/14/2025

Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:32:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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





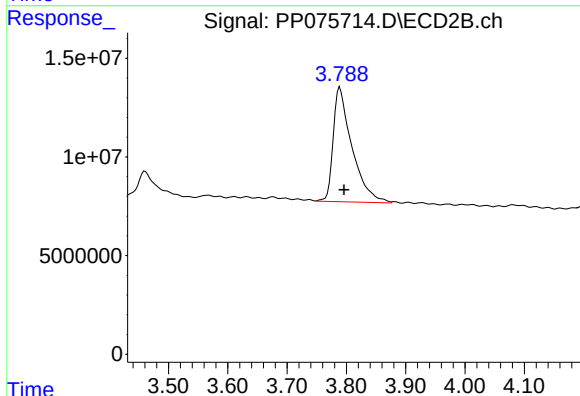
#1 Tetrachloro-m-xylene

R.T.: 4.648 min
Delta R.T.: -0.007 min
Response: 24199174
Conc: 18.49 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-0-1

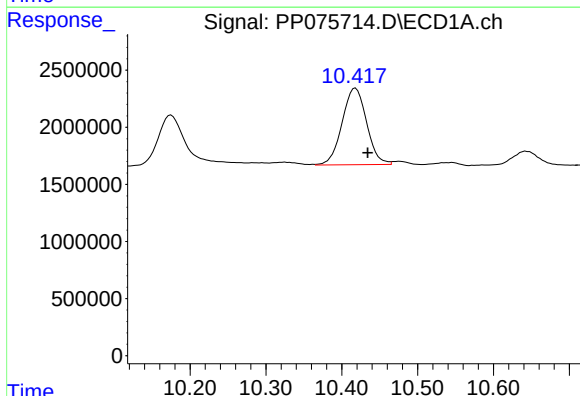
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



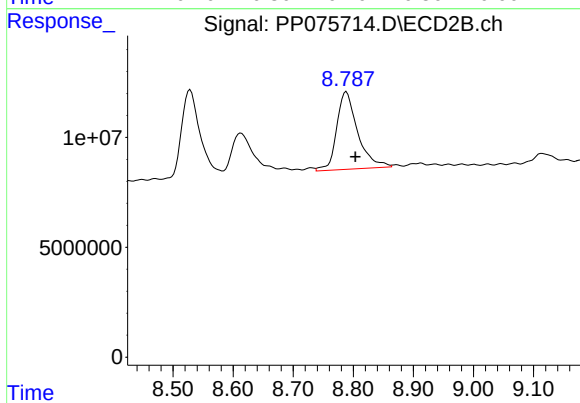
#1 Tetrachloro-m-xylene

R.T.: 3.789 min
Delta R.T.: -0.007 min
Response: 127583349
Conc: 20.91 ng/ml



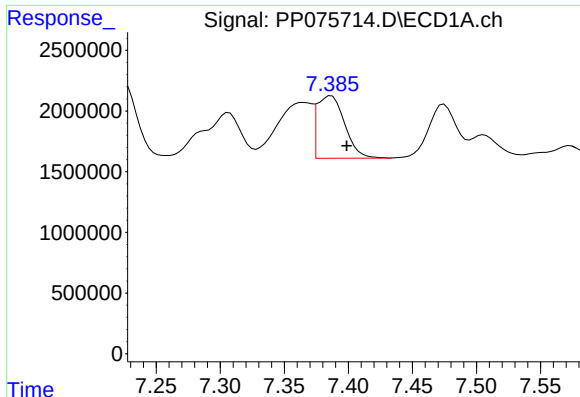
#2 Decachlorobiphenyl

R.T.: 10.418 min
Delta R.T.: -0.016 min
Response: 15070500
Conc: 15.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.788 min
Delta R.T.: -0.015 min
Response: 85829081
Conc: 14.23 ng/ml



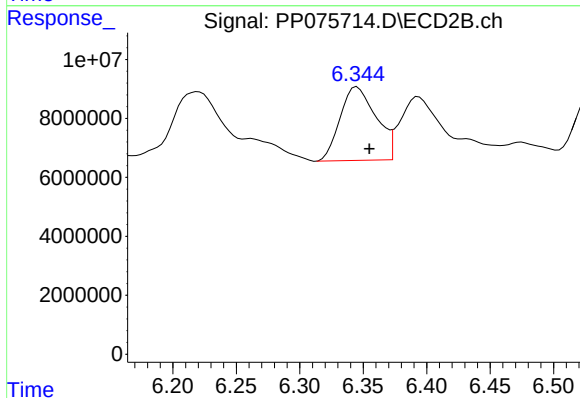
#31 AR-1260-1

R.T.: 7.387 min
Delta R.T.: -0.012 min
Response: 7740318
Conc: 128.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-0-1

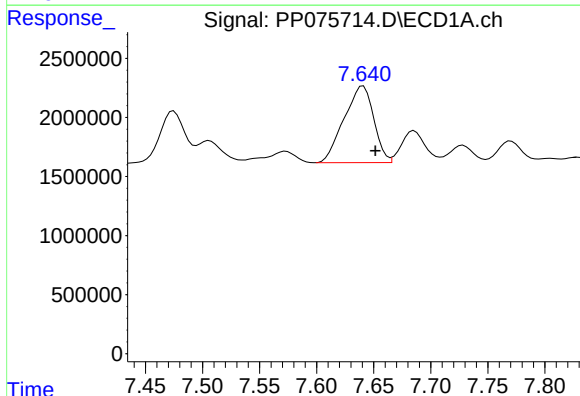
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



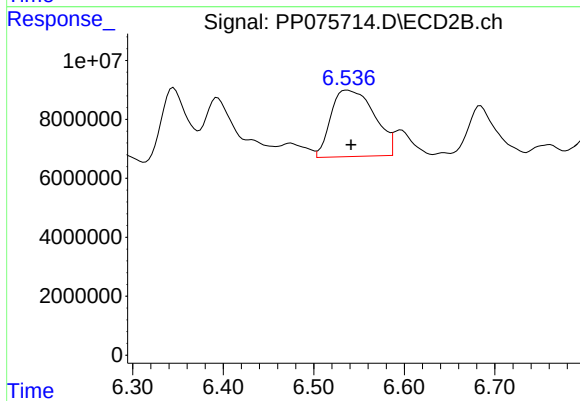
#31 AR-1260-1

R.T.: 6.345 min
Delta R.T.: -0.010 min
Response: 49186402
Conc: 121.17 ng/ml



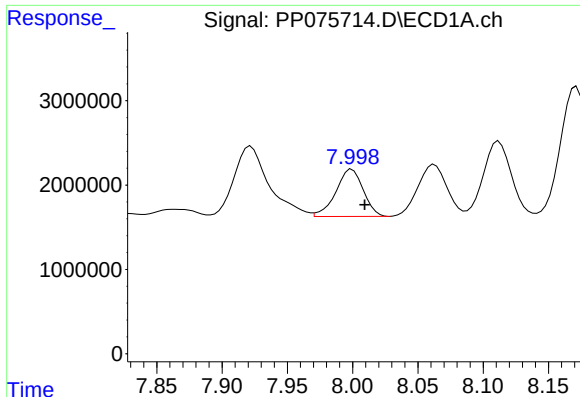
#32 AR-1260-2

R.T.: 7.641 min
Delta R.T.: -0.011 min
Response: 11729098
Conc: 161.12 ng/ml



#32 AR-1260-2

R.T.: 6.537 min
Delta R.T.: -0.004 min
Response: 75197415
Conc: 130.59 ng/ml



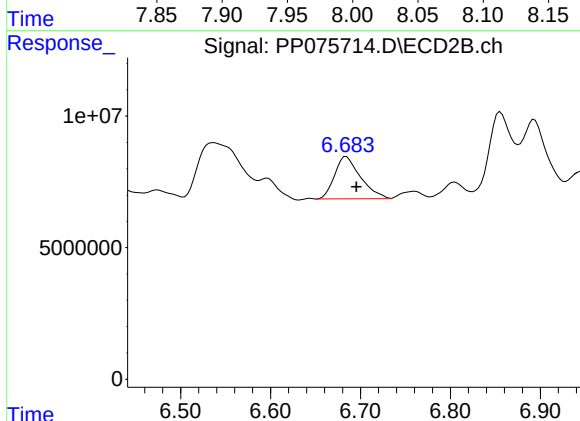
#33 AR-1260-3

R.T.: 7.999 min
Delta R.T.: -0.010 min
Response: 8151588
Conc: 150.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-0-1

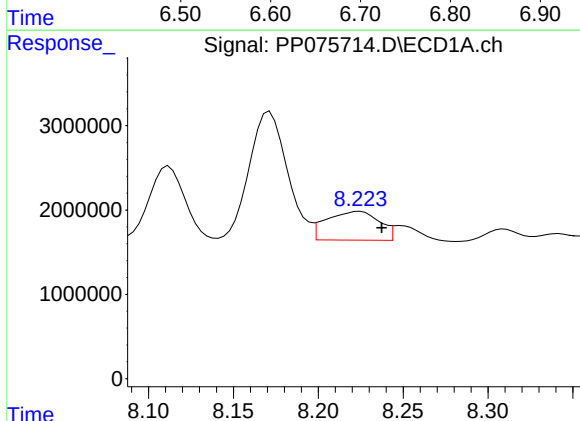
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



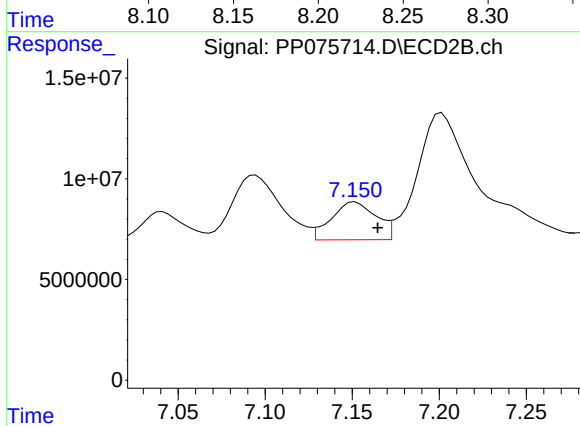
#33 AR-1260-3

R.T.: 6.684 min
Delta R.T.: -0.011 min
Response: 32270355
Conc: 75.38 ng/ml



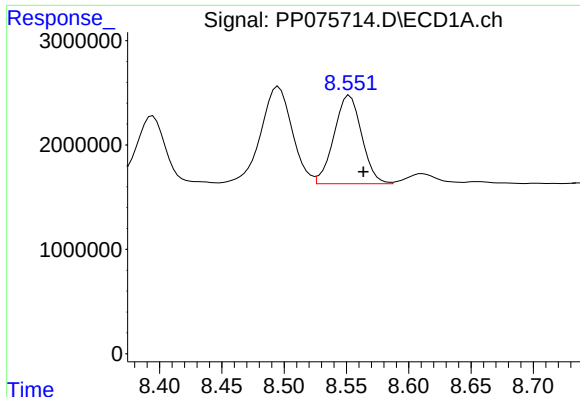
#34 AR-1260-4

R.T.: 8.223 min
Delta R.T.: -0.014 min
Response: 7054192
Conc: 124.77 ng/ml m



#34 AR-1260-4

R.T.: 7.152 min
Delta R.T.: -0.013 min
Response: 33530719
Conc: 77.76 ng/ml



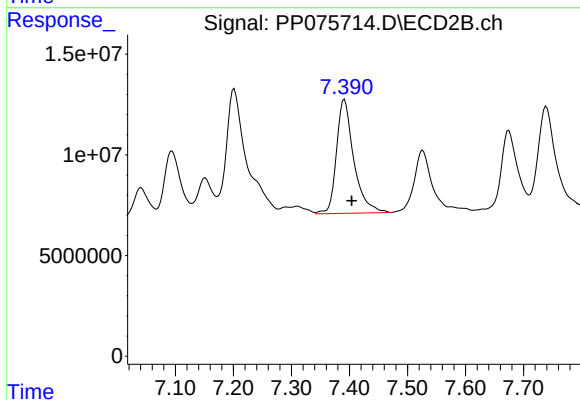
#35 AR-1260-5

R.T.: 8.553 min
Delta R.T.: -0.011 min
Response: 13106947
Conc: 119.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-0-1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



#35 AR-1260-5

R.T.: 7.392 min
Delta R.T.: -0.012 min
Response: 117509129
Conc: 111.70 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected: 10/07/25
Project:	Con Edison Richmond Terrace	Date Received: 10/08/25
Client Sample ID:	SS-01-1-2	SDG No.: Q3310
Lab Sample ID:	Q3310-02	Matrix: SOIL
Analytical Method:	8082A	% Solid: 72.4
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B Prep Date 10/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	5.40	U	1	5.40	23.4	ug/kg	10/10/25 13:47	PB170053
11104-28-2	Aroclor-1221	5.60	U	1	5.60	23.4	ug/kg	10/10/25 13:47	PB170053
11141-16-5	Aroclor-1232	5.10	U	1	5.10	23.4	ug/kg	10/10/25 13:47	PB170053
53469-21-9	Aroclor-1242	5.50	U	1	5.50	23.4	ug/kg	10/10/25 13:47	PB170053
12672-29-6	Aroclor-1248	8.20	U	1	8.20	23.4	ug/kg	10/10/25 13:47	PB170053
11097-69-1	Aroclor-1254	4.40	U	1	4.40	23.4	ug/kg	10/10/25 13:47	PB170053
37324-23-5	Aroclor-1262	6.90	U	1	6.90	23.4	ug/kg	10/10/25 13:47	PB170053
11100-14-4	Aroclor-1268	5.00	U	1	5.00	23.4	ug/kg	10/10/25 13:47	PB170053
11096-82-5	Aroclor-1260	75.8	P	1	4.40	23.4	ug/kg	10/10/25 13:47	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.0			32 - 144	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.8			32 - 175	79%	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_P\Data\PP101025\
 Data File : PP075715.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 13:47
 Operator : YP\AJ
 Sample : Q3310-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 SS-01-1-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 04:33:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.648	3.789	23571314	109.0E6	18.014	17.870
2) SA Decachlor...	10.419	8.789	15788083	82094073	15.827	13.609
Target Compounds						
31) L7 AR-1260-1	7.386	6.344	5717000	25814008	95.094m	63.591 #
32) L7 AR-1260-2	7.626	6.534	25372207	36849130	348.529	63.993 #
33) L7 AR-1260-3	8.000	6.687	7675647	23755399	141.761	55.492 #
34) L7 AR-1260-4	8.225	7.152	5116173	30602134	90.492m	70.966
35) L7 AR-1260-5	8.553	7.391	13635501	94134855	124.176	89.483 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075715.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:47
Operator : YP\AJ
Sample : Q3310-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

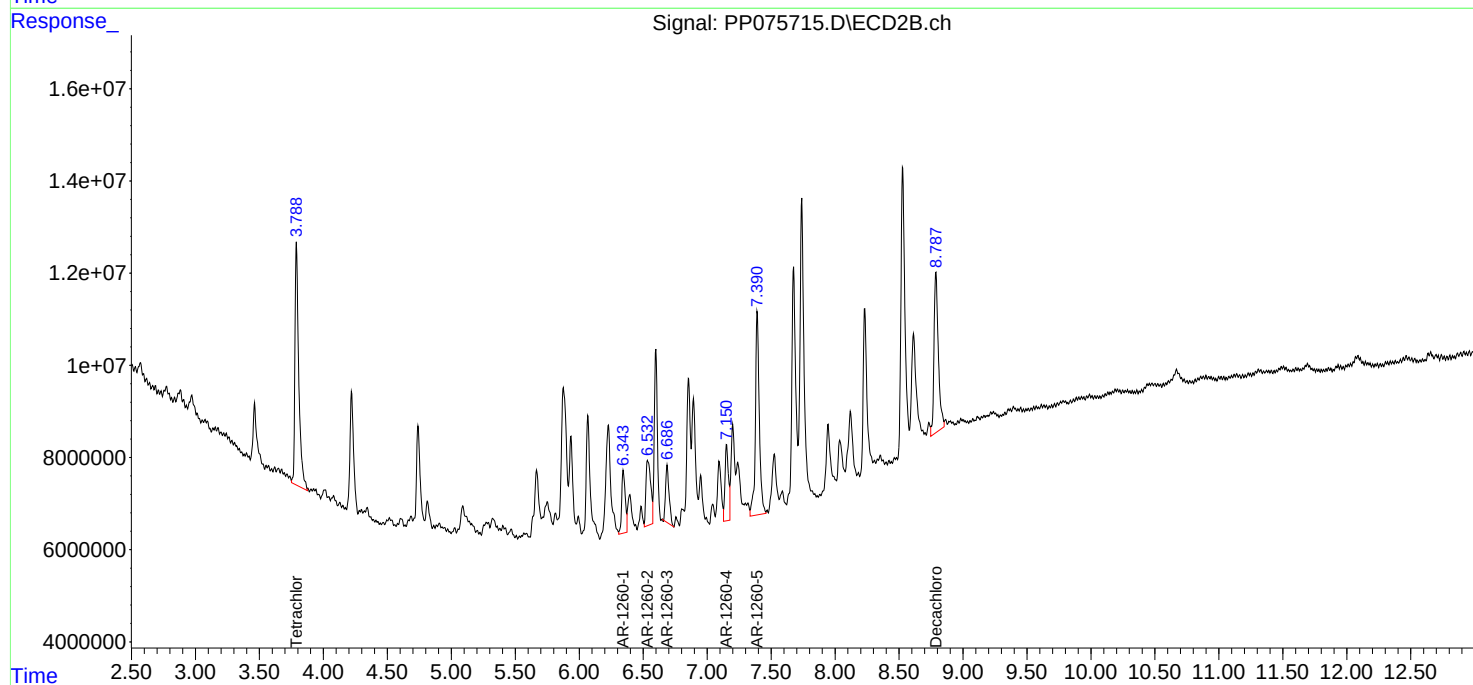
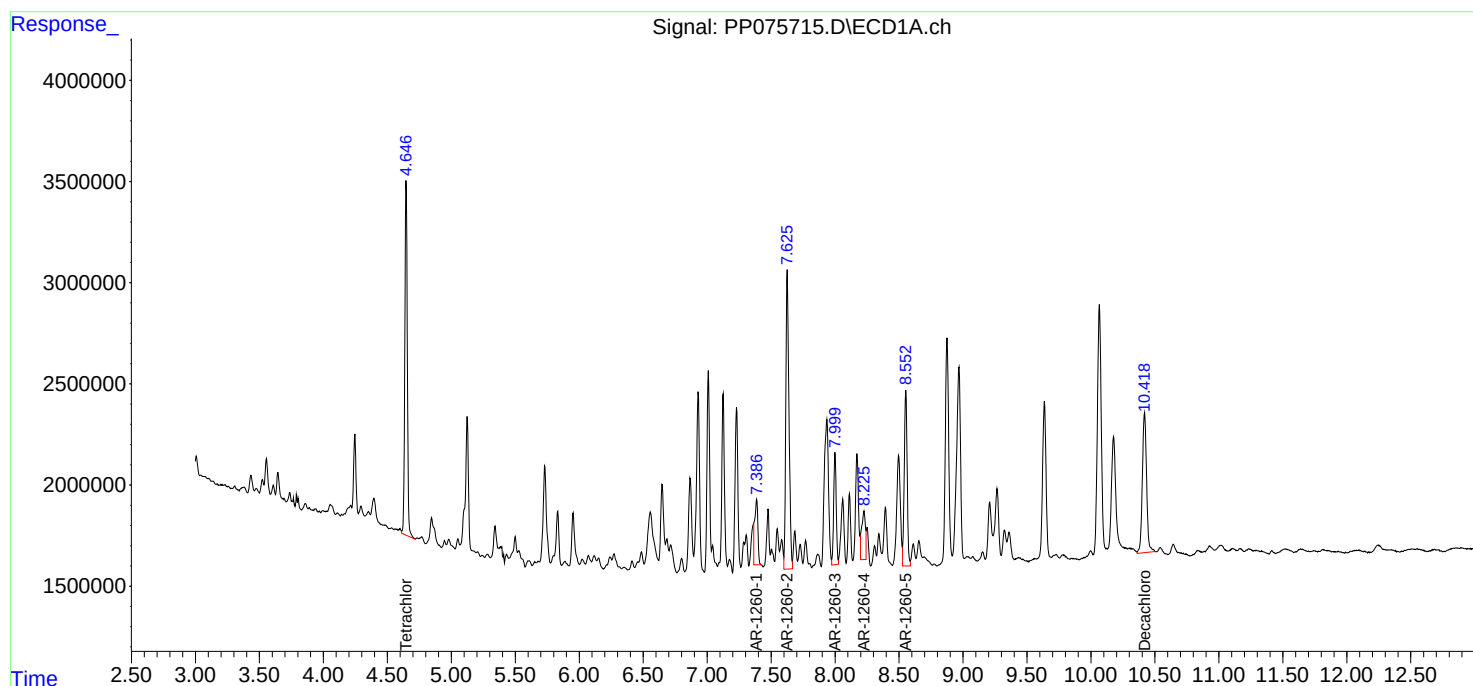
Instrument :
ECD_P
ClientSampleId :
SS-01-1-2

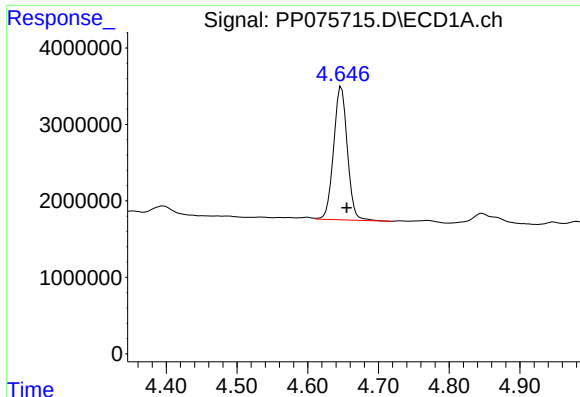
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:33:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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





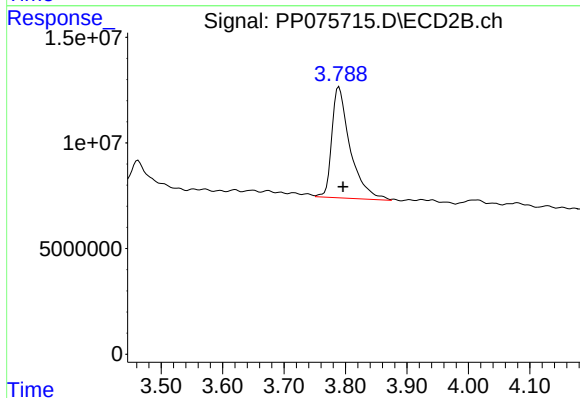
#1 Tetrachloro-m-xylene

R.T.: 4.648 min
Delta R.T.: -0.008 min
Response: 23571314
Conc: 18.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-1-2

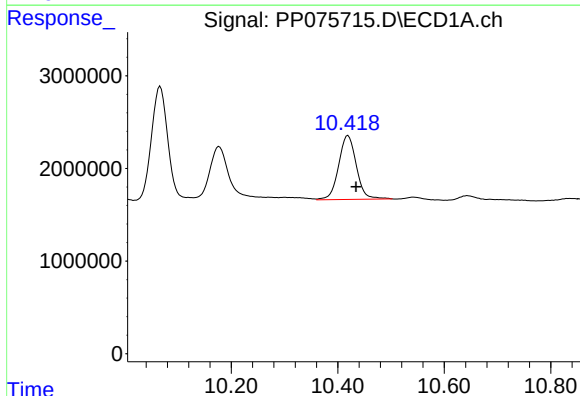
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



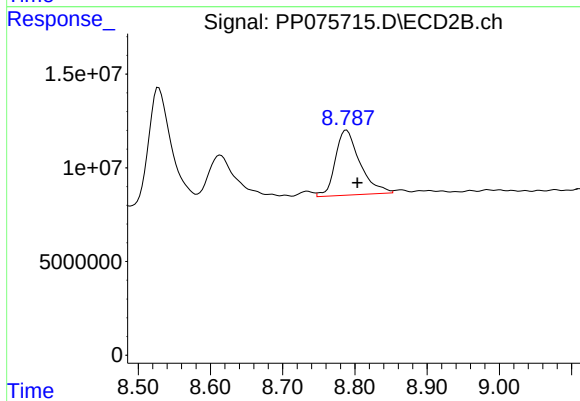
#1 Tetrachloro-m-xylene

R.T.: 3.789 min
Delta R.T.: -0.006 min
Response: 109023932
Conc: 17.87 ng/ml



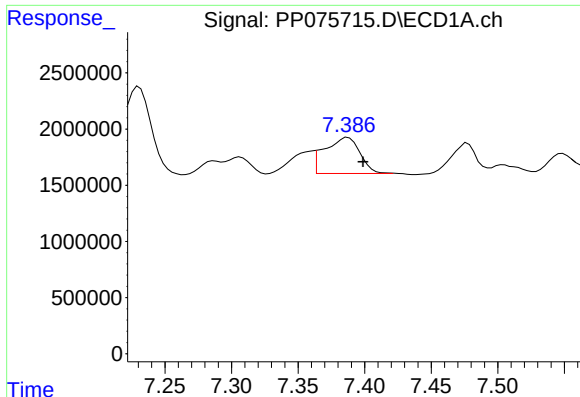
#2 Decachlorobiphenyl

R.T.: 10.419 min
Delta R.T.: -0.015 min
Response: 15788083
Conc: 15.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.789 min
Delta R.T.: -0.015 min
Response: 82094073
Conc: 13.61 ng/ml



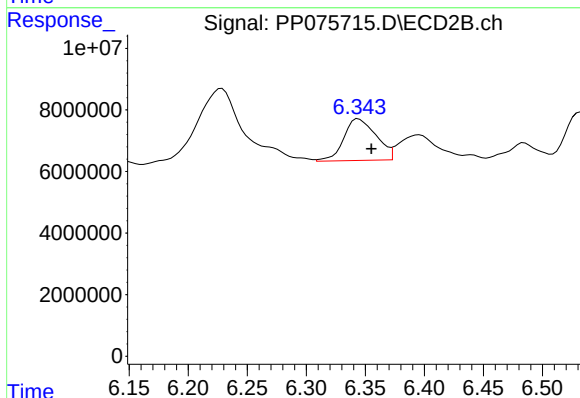
#31 AR-1260-1

R.T.: 7.386 min
Delta R.T.: -0.013 min
Response: 5717000
Conc: 95.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-1-2

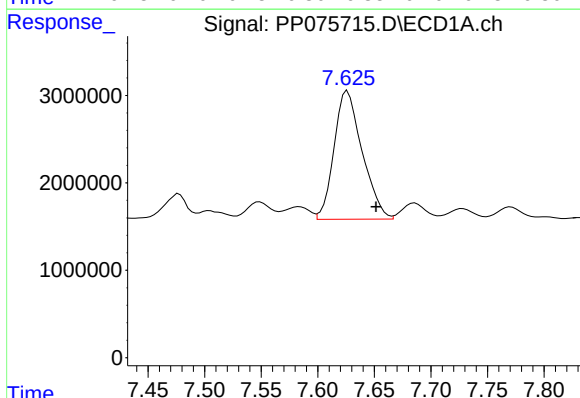
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



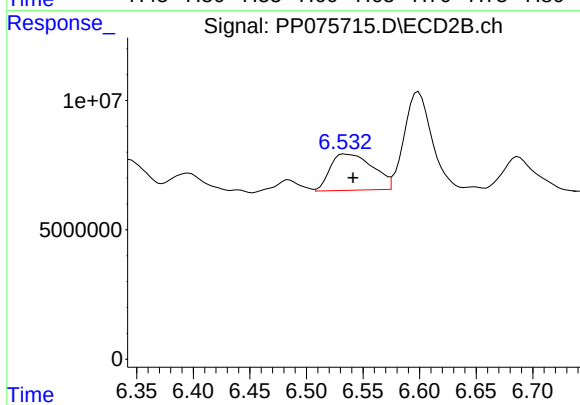
#31 AR-1260-1

R.T.: 6.344 min
Delta R.T.: -0.011 min
Response: 25814008
Conc: 63.59 ng/ml



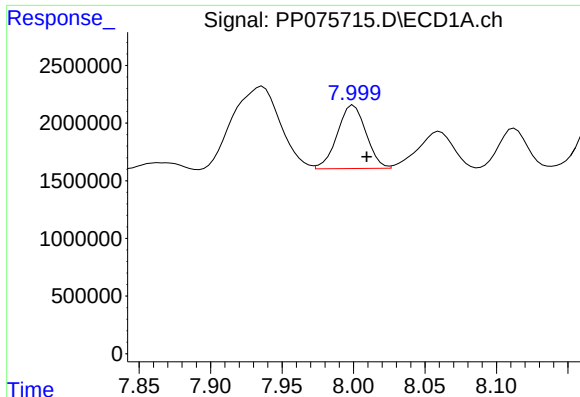
#32 AR-1260-2

R.T.: 7.626 min
Delta R.T.: -0.025 min
Response: 25372207
Conc: 348.53 ng/ml



#32 AR-1260-2

R.T.: 6.534 min
Delta R.T.: -0.007 min
Response: 36849130
Conc: 63.99 ng/ml



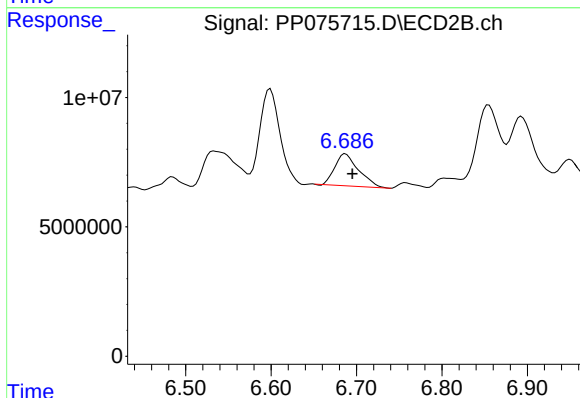
#33 AR-1260-3

R.T.: 8.000 min
Delta R.T.: -0.009 min
Response: 7675647
Conc: 141.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-1-2

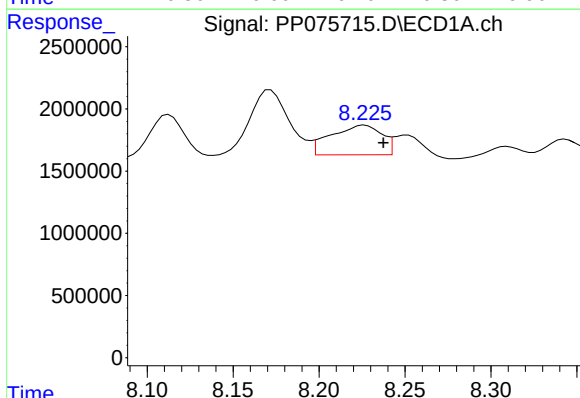
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



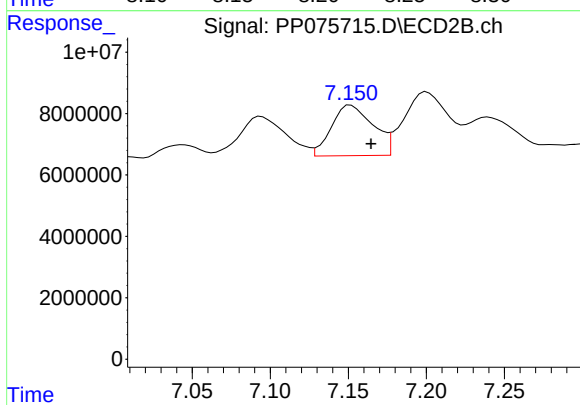
#33 AR-1260-3

R.T.: 6.687 min
Delta R.T.: -0.008 min
Response: 23755399
Conc: 55.49 ng/ml



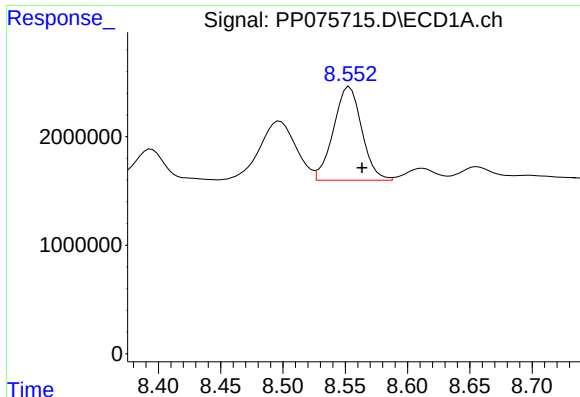
#34 AR-1260-4

R.T.: 8.225 min
Delta R.T.: -0.012 min
Response: 5116173
Conc: 90.49 ng/ml m



#34 AR-1260-4

R.T.: 7.152 min
Delta R.T.: -0.013 min
Response: 30602134
Conc: 70.97 ng/ml



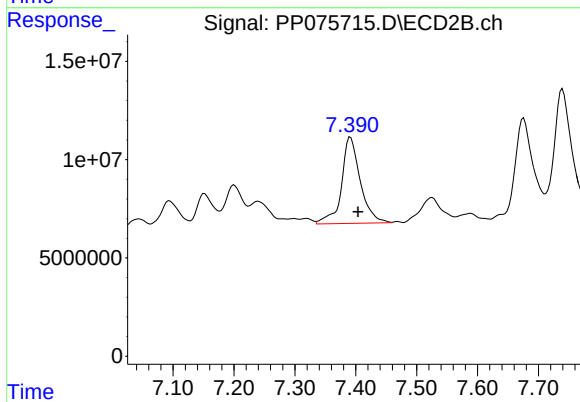
#35 AR-1260-5

R.T.: 8.553 min
Delta R.T.: -0.010 min
Response: 13635501
Conc: 124.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-1-2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



#35 AR-1260-5

R.T.: 7.391 min
Delta R.T.: -0.012 min
Response: 94134855
Conc: 89.48 ng/ml



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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25
Client Sample ID:	SS-01-2-3		SDG No.:	Q3310
Lab Sample ID:	Q3310-03		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	75.1
Sample Wt/Vol:	30.07 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	5.20	U	1	5.20	22.6	ug/kg	10/10/25 14:36	PB170053
11104-28-2	Aroclor-1221	5.40	U	1	5.40	22.6	ug/kg	10/10/25 14:36	PB170053
11141-16-5	Aroclor-1232	4.90	U	1	4.90	22.6	ug/kg	10/10/25 14:36	PB170053
53469-21-9	Aroclor-1242	5.30	U	1	5.30	22.6	ug/kg	10/10/25 14:36	PB170053
12672-29-6	Aroclor-1248	7.90	U	1	7.90	22.6	ug/kg	10/10/25 14:36	PB170053
11097-69-1	Aroclor-1254	4.30	U	1	4.30	22.6	ug/kg	10/10/25 14:36	PB170053
37324-23-5	Aroclor-1262	6.70	U	1	6.70	22.6	ug/kg	10/10/25 14:36	PB170053
11100-14-4	Aroclor-1268	4.80	U	1	4.80	22.6	ug/kg	10/10/25 14:36	PB170053
11096-82-5	Aroclor-1260	24.5	P	1	4.30	22.6	ug/kg	10/10/25 14:36	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.9			32 - 144	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.9			32 - 175	74%	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_P\Data\PP101025\
 Data File : PP075718.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:36
 Operator : YP\AJ
 Sample : Q3310-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 SS-01-2-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 04:34:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.649	3.790	24771538	113.9E6	18.932	18.670
2) SA Decachlor...	10.422	8.790	14847666	75379032	14.884	12.495
Target Compounds						
31) L7 AR-1260-1	7.367	6.344	5319134	9717258	88.476	23.938 #
32) L7 AR-1260-2	7.630	6.555	3522196	13856331	48.383	24.063 #
33) L7 AR-1260-3	8.003	6.688	3189731	5881933	58.911	13.740 #
34) L7 AR-1260-4	8.229	7.153	1976628	12717875	34.962m	29.493
35) L7 AR-1260-5	8.555	7.392	5001136	34415883	45.544	32.715 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075718.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:36
Operator : YP\AJ
Sample : Q3310-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

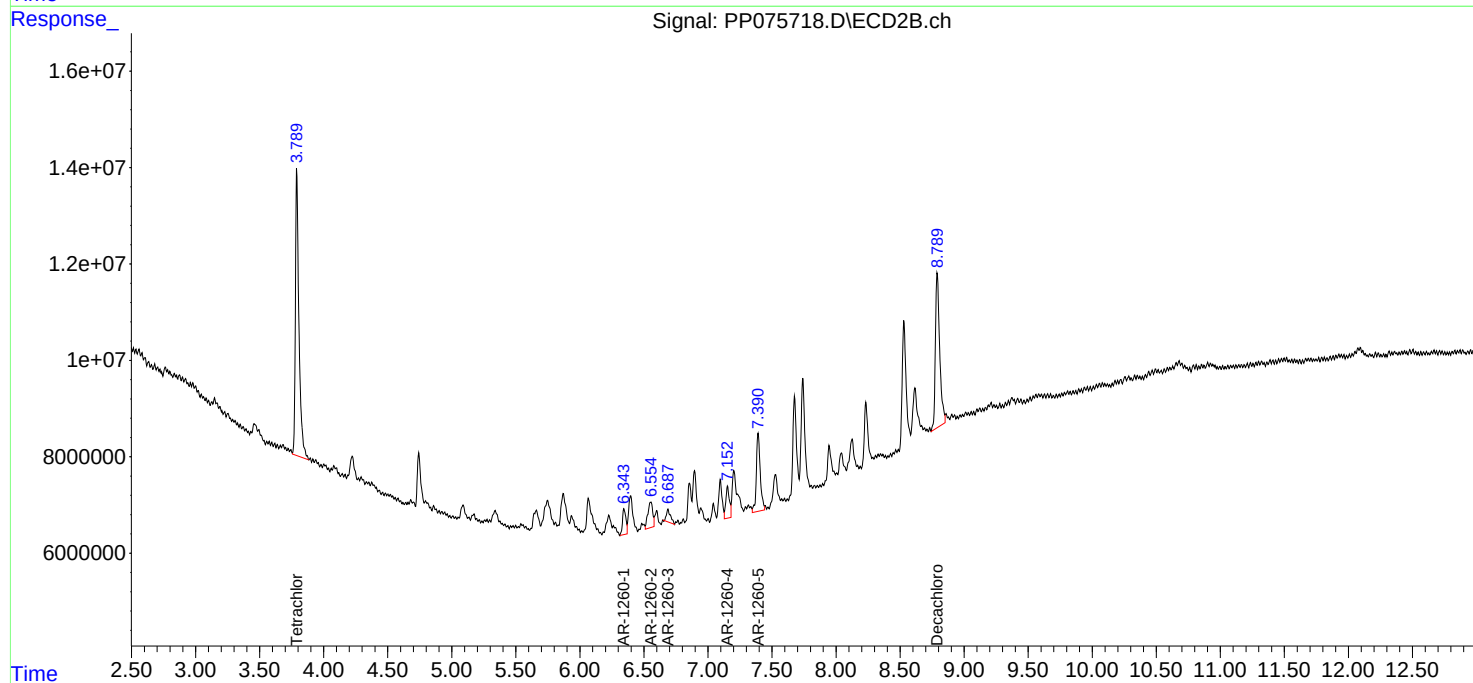
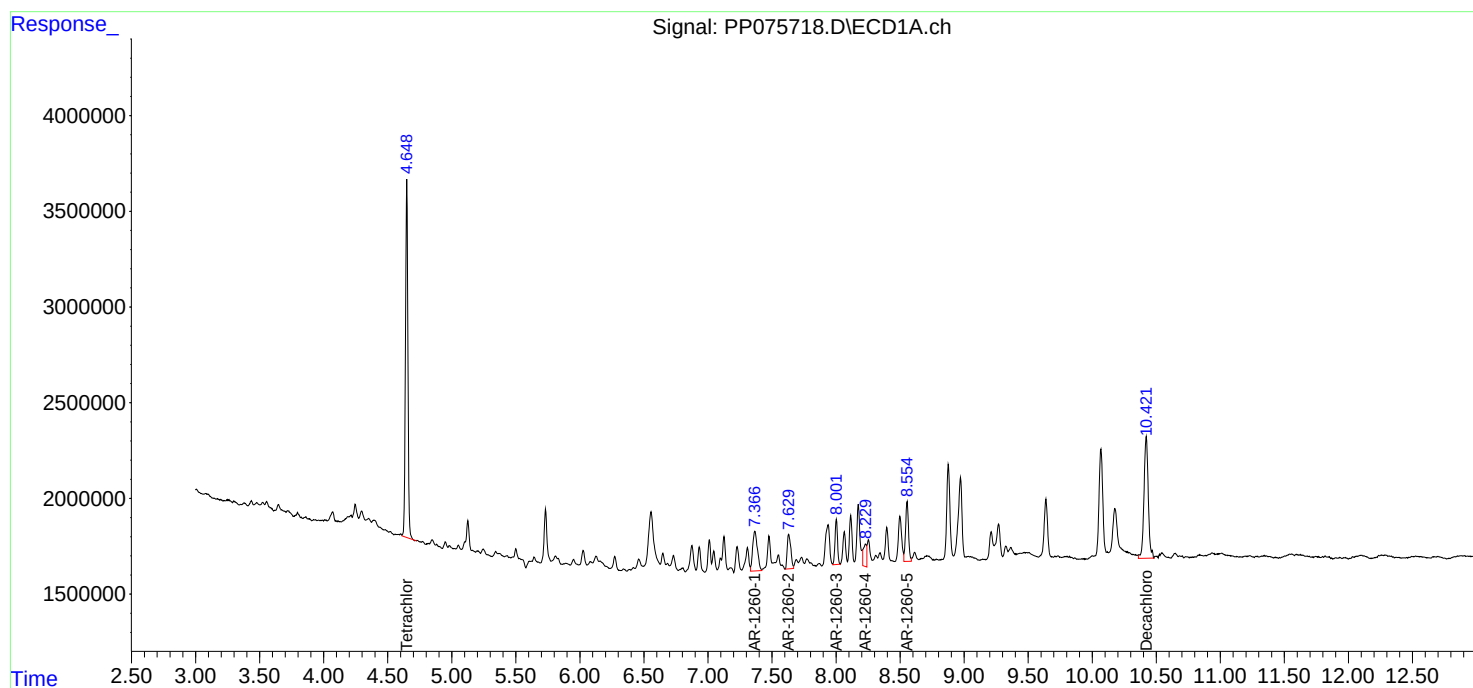
Instrument :
ECD_P
ClientSampleId :
SS-01-2-3

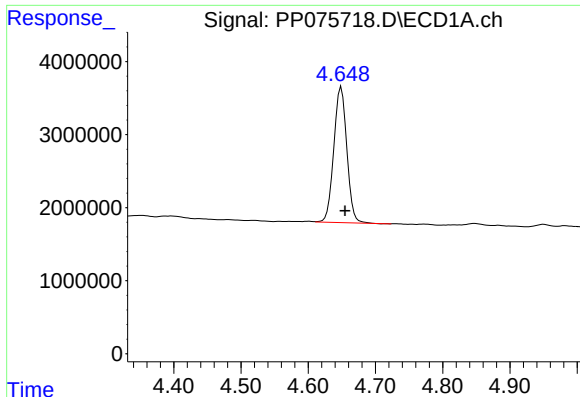
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:34:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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





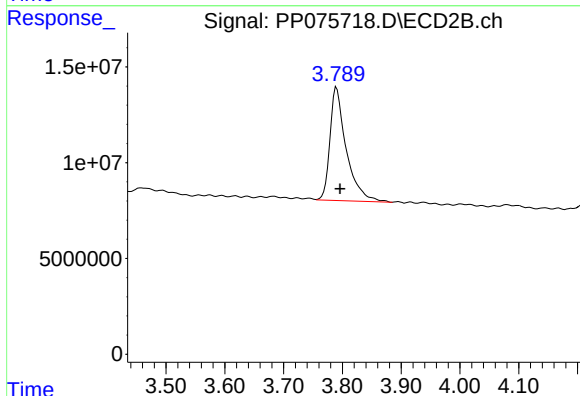
#1 Tetrachloro-m-xylene

R.T.: 4.649 min
Delta R.T.: -0.006 min
Response: 24771538
Conc: 18.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-2-3

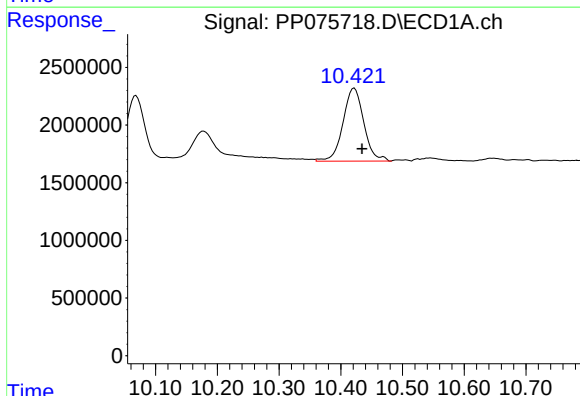
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



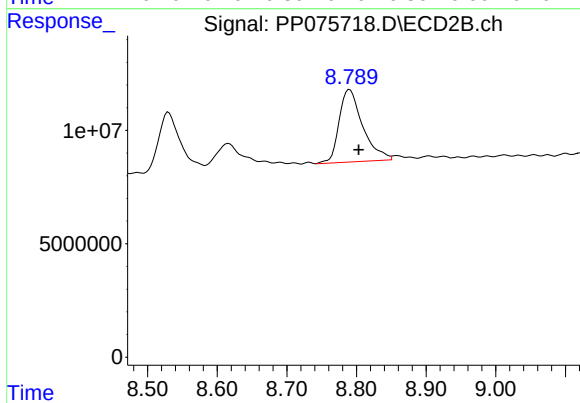
#1 Tetrachloro-m-xylene

R.T.: 3.790 min
Delta R.T.: -0.006 min
Response: 113900843
Conc: 18.67 ng/ml



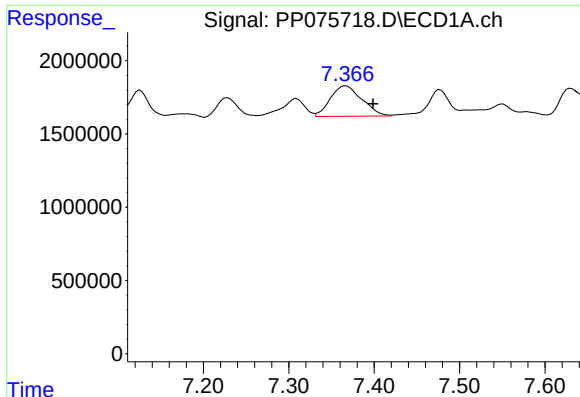
#2 Decachlorobiphenyl

R.T.: 10.422 min
Delta R.T.: -0.013 min
Response: 14847666
Conc: 14.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.790 min
Delta R.T.: -0.013 min
Response: 75379032
Conc: 12.50 ng/ml



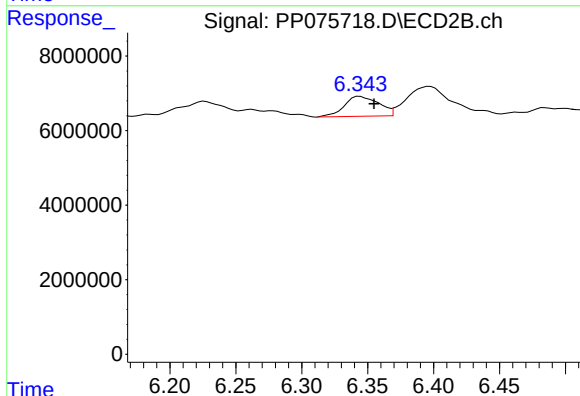
#31 AR-1260-1

R.T.: 7.367 min
Delta R.T.: -0.032 min
Response: 5319134
Conc: 88.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-2-3

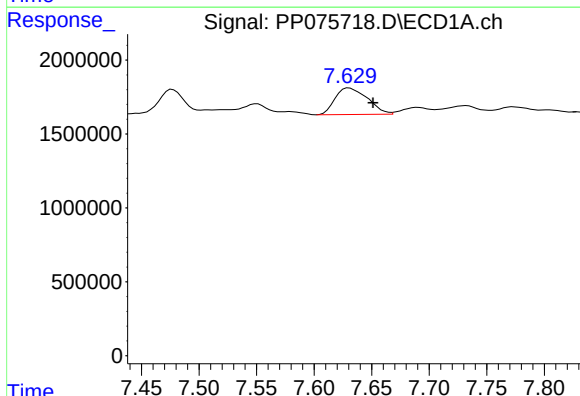
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



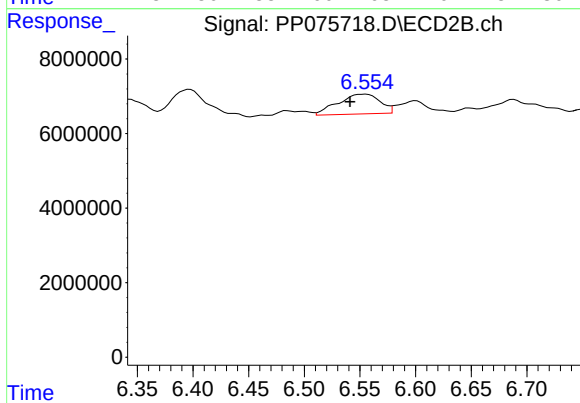
#31 AR-1260-1

R.T.: 6.344 min
Delta R.T.: -0.011 min
Response: 9717258
Conc: 23.94 ng/ml



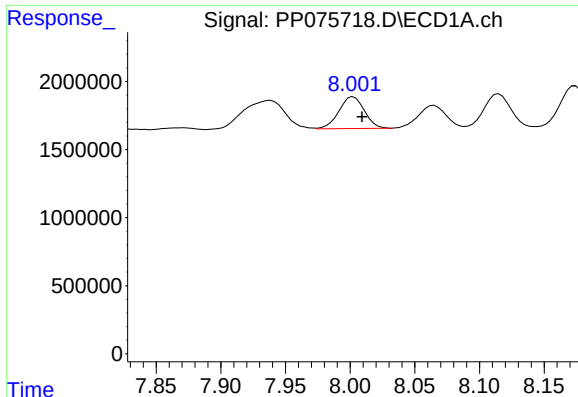
#32 AR-1260-2

R.T.: 7.630 min
Delta R.T.: -0.021 min
Response: 3522196
Conc: 48.38 ng/ml



#32 AR-1260-2

R.T.: 6.555 min
Delta R.T.: 0.014 min
Response: 13856331
Conc: 24.06 ng/ml



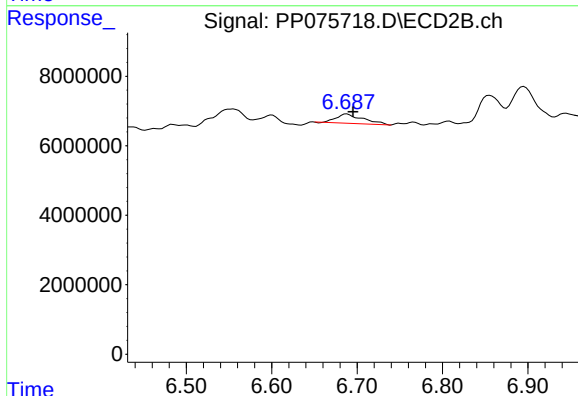
#33 AR-1260-3

R.T.: 8.003 min
Delta R.T.: -0.007 min
Response: 3189731
Conc: 58.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-2-3

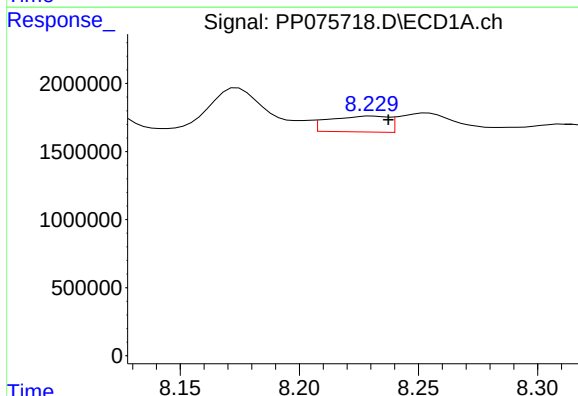
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



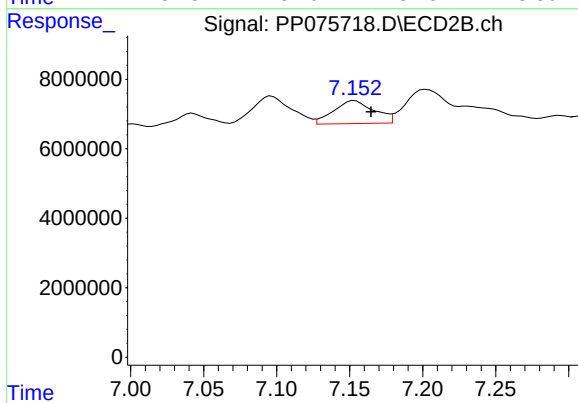
#33 AR-1260-3

R.T.: 6.688 min
Delta R.T.: -0.007 min
Response: 5881933
Conc: 13.74 ng/ml



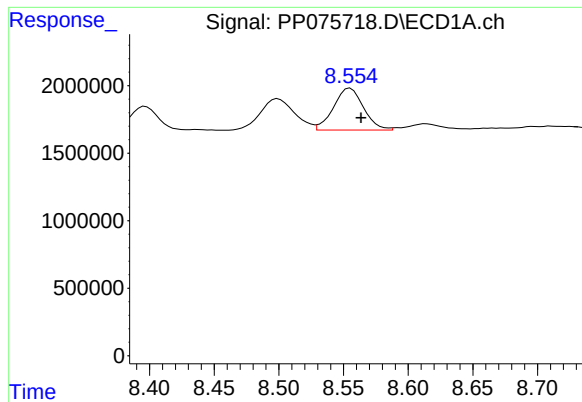
#34 AR-1260-4

R.T.: 8.229 min
Delta R.T.: -0.008 min
Response: 1976628
Conc: 34.96 ng/ml m



#34 AR-1260-4

R.T.: 7.153 min
Delta R.T.: -0.011 min
Response: 12717875
Conc: 29.49 ng/ml



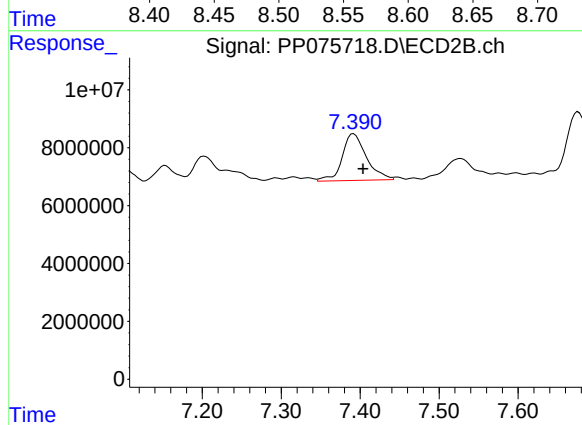
#35 AR-1260-5

R.T.: 8.555 min
Delta R.T.: -0.008 min
Response: 5001136
Conc: 45.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
SS-01-2-3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



#35 AR-1260-5

R.T.: 7.392 min
Delta R.T.: -0.012 min
Response: 34415883
Conc: 32.72 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>LANG01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3310</u>
Instrument ID:	<u>ECD_P</u>	Calibration Date(s):	<u>09/23/2025</u> <u>09/23/2025</u>
		Calibration Times:	<u>08:45</u> <u>17:14</u>

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

LAB FILE ID:	RT 1000 = <u>PP075247.D</u>	RT 750 = <u>PP075248.D</u>
RT 500 = <u>PP075249.D</u>	RT 250 = <u>PP075250.D</u>	RT 050 = <u>PP075251.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.81	5.81	5.81	5.81	5.82	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.83	5.83	5.83	5.83	5.84	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.89	5.90	5.89	5.89	5.90	5.89	5.79	5.99
Aroclor-1016-4	(4)	5.99	5.99	5.99	5.99	6.00	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.28	6.29	6.28	6.28	6.29	6.28	6.18	6.38
Aroclor-1260-1	(1)	7.40	7.40	7.40	7.40	7.41	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.65	7.66	7.65	7.65	7.66	7.65	7.55	7.75
Aroclor-1260-3	(3)	8.01	8.01	8.01	8.01	8.02	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.24	8.24	8.24	8.24	8.25	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.56	8.57	8.56	8.56	8.57	8.57	8.47	8.67
Decachlorobiphenyl		10.43	10.44	10.43	10.43	10.45	10.44	10.34	10.54
Tetrachloro-m-xylene		4.65	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.90	5.89	5.90	5.90	5.90	5.90	5.80	6.00
Aroclor-1242-4	(4)	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1248-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1248-2	(2)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1248-3	(3)	6.28	6.28	6.29	6.28	6.28	6.28	6.18	6.38
Aroclor-1248-4	(4)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1248-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.43	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.88	6.88	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.24	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.94	7.93	7.94	7.94	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.43	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1268-1	(1)	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Aroclor-1268-2	(2)	8.99	8.99	8.99	8.98	8.98	8.99	8.89	9.09
Aroclor-1268-3	(3)	9.23	9.23	9.23	9.23	9.22	9.23	9.13	9.33
Aroclor-1268-4	(4)	9.66	9.66	9.66	9.65	9.65	9.65	9.55	9.75
Aroclor-1268-5	(5)	10.09	10.09	10.09	10.09	10.08	10.09	9.99	10.19

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>LANG01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3310</u>
Instrument ID:	<u>ECD_P</u>	Calibration Date(s):	<u>09/23/2025</u> <u>09/23/2025</u>
		Calibration Times:	<u>08:45</u> <u>17:14</u>

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

LAB FILE ID:	RT 1000 = <u>PP075247.D</u>	RT 750 = <u>PP075248.D</u>
RT 500 = <u>PP075249.D</u>	RT 250 = <u>PP075250.D</u>	RT 050 = <u>PP075251.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.90	4.89	4.89	4.89	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.95	4.95	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.11	5.11	5.12	5.11	5.01	5.21
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.35	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.54	6.54	6.54	6.54	6.55	6.54	6.44	6.64
Aroclor-1260-3	(3)	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1260-4	(4)	7.17	7.17	7.17	7.16	7.17	7.17	7.07	7.27
Aroclor-1260-5	(5)	7.41	7.40	7.40	7.40	7.41	7.41	7.31	7.51
Decachlorobiphenyl		8.81	8.80	8.80	8.80	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.89	4.89	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.95	4.96	4.95	4.95	4.95	4.95	4.85	5.05
Aroclor-1242-3	(3)	5.07	5.07	5.07	5.07	5.08	5.07	4.97	5.17
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.15	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.81	8.81	8.81	8.81	8.80	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.89	4.90	4.89	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.11	5.12	5.11	5.12	5.11	5.11	5.01	5.21
Aroclor-1248-3	(3)	5.15	5.16	5.15	5.16	5.15	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.72	5.72	5.71	5.72	5.73	5.72	5.62	5.82
Decachlorobiphenyl		8.80	8.81	8.80	8.81	8.80	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1254-4	(4)	6.45	6.45	6.46	6.45	6.45	6.45	6.35	6.55
Aroclor-1254-5	(5)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Decachlorobiphenyl		8.81	8.81	8.81	8.81	8.81	8.81	8.71	8.91
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-2	(2)	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Aroclor-1268-3	(3)	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
Aroclor-1268-4	(4)	8.25	8.25	8.25	8.25	8.25	8.25	8.15	8.35
Aroclor-1268-5	(5)	8.55	8.55	8.55	8.54	8.54	8.54	8.44	8.64

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: LANG01
SDG NO.: Q3310

Calibration Date(s): 09/23/2025 09/23/2025
Calibration Times: 08:45 17:14

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

LAB FILE ID:		CF 1000 = <u>PP075247.D</u>		CF 750 = <u>PP075248.D</u>			
CF 500 = <u>PP075249.D</u>		CF 250 = <u>PP075250.D</u>		CF 050 = <u>PP075251.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	42347817	45007967	46870170	50153844	56144100	48104780
Aroclor-1016-2	(2)	64402738	67720917	69660408	74265036	82593880	71728596
Aroclor-1016-3	(3)	39431965	41872236	43807668	47351972	60190040	46530776
Aroclor-1016-4	(4)	32893250	34833364	35556514	38336304	36563880	35636662
Aroclor-1016-5	(5)	31586228	33455985	34268374	37039376	32256580	33721309
Aroclor-1260-1	(1)	52823399	56388379	60551008	64105520	66729180	60119497
Aroclor-1260-2	(2)	63303692	67485644	69648556	75704048	87848060	72798000
Aroclor-1260-3	(3)	48177125	50964003	52841238	56234364	62508960	54145138
Aroclor-1260-4	(4)	52102929	55158468	56921418	59245152	59257840	56537161
Aroclor-1260-5	(5)	102126116	107524053	110369268	115809508	113212520	109808293
Decachlorobiphenyl		920246130	962712813	986576680	1032362440	1085842800	997548173
Tetrachloro-m-xylene		1241637260	1308534467	1312330580	1382545720	1297359400	1308481485
Aroclor-1242-1	(1)	36886529	39218005	41223848	44446876	46523260	41659704
Aroclor-1242-2	(2)	55040068	57977600	60249464	64089044	60830740	59637383
Aroclor-1242-3	(3)	34279044	36622237	38652038	41896284	50681480	40426217
Aroclor-1242-4	(4)	28461551	29972721	31322910	33558448	33854640	31434054
Aroclor-1242-5	(5)	31568865	33442463	35656256	39523980	35586800	35155673
Decachlorobiphenyl		926627030	968517160	1003394580	1047152200	937997000	976737594
Tetrachloro-m-xylene		1236238500	1295575613	1320312660	1382228640	1251655600	1297202203
Aroclor-1248-1	(1)	29172565	31397577	32249970	33755340	31223340	31559758
Aroclor-1248-2	(2)	39359802	41783284	43459792	45079104	47158200	43368036
Aroclor-1248-3	(3)	44196144	46704360	48478236	50173996	49240700	47758687
Aroclor-1248-4	(4)	53562132	56623921	59266248	61341900	64765060	59111852
Aroclor-1248-5	(5)	51867384	54812452	57671502	61547912	69597980	59099446
Decachlorobiphenyl		936214370	980173387	1009425800	1018487400	982414600	985343111
Tetrachloro-m-xylene		1235222620	1285172653	1318552840	1328682760	1313272800	1296180735
Aroclor-1254-1	(1)	61475917	62734304	65986682	62998532	67924500	64223987
Aroclor-1254-2	(2)	77552440	82328021	86739650	88146820	94902000	85933786
Aroclor-1254-3	(3)	82845377	87949261	92224268	94074964	105017660	92422306
Aroclor-1254-4	(4)	64880438	68693089	72666206	72469616	78036900	71349250
Aroclor-1254-5	(5)	77310574	81941501	85874638	85948608	77961320	81807328
Decachlorobiphenyl		940196120	995283773	1040085460	1002732880	956220600	986903767
Tetrachloro-m-xylene		1243265480	1304021133	1335815700	1326930840	1339353000	1309877231
Aroclor-1268-1	(1)	152883178	159692704	169160672	171922300	156133040	161958379



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	141133811	146979519	155825750	156513748	141348060	148360178	5
Aroclor-1268-3	(3)	118887581	123478560	131058116	130049472	116969640	124088674	5
Aroclor-1268-4	(4)	55874289	58464284	61978114	60989252	60829860	59627160	4
Aroclor-1268-5	(5)	373677572	388367939	407123198	405183456	366620440	388194521	5
Decachlorobiphenyl		1657406580	1735675800	1838831580	1851125440	1610932200	1738794320	6
Tetrachloro-m-xylene		1279137450	1334222493	1390576680	1375184440	1232599000	1322344013	5



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: LANG01
SDG NO.: Q3310

Calibration Date(s): 09/23/2025 09/23/2025
Calibration Times: 08:45 17:14

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

LAB FILE ID:								
CF 1000 =		PP075247.D		CF 750 =		PP075248.D		
CF 500 =		PP075249.D		CF 250 =		PP075250.D		
CF 050 =		PP075251.D						
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	550669557	575041595	570968608	557638892	550748680	561013466	2
Aroclor-1016-2	(2)	253692272	266987116	261503738	252594292	250233300	257002144	3
Aroclor-1016-3	(3)	139883237	146298759	147016140	140568364	202575320	155268364	17
Aroclor-1016-4	(4)	139175266	149989423	152767546	146969012	145938660	146967981	3
Aroclor-1016-5	(5)	157135257	166127832	167159970	171673236	154814600	163382179	4
Aroclor-1260-1	(1)	389924896	398807288	400126940	426602072	414215600	405935359	4
Aroclor-1260-2	(2)	565343775	583502056	582903442	580470456	566929720	575829890	2
Aroclor-1260-3	(3)	422351862	433041807	427033404	426203564	431794540	428085035	1
Aroclor-1260-4	(4)	428778820	432299260	434882920	423190072	436968900	431223994	1
Aroclor-1260-5	(5)	1056009939	1104491933	1106785704	1094138908	898515660	1051988429	8
Decachlorobiphenyl		6122260390	6260409867	6205942400	6354732320	5219165200	6032502035	8
Tetrachloro-m-xylene		6636388100	6400989987	6258078260	6278037480	4930931000	6100884965	11
Aroclor-1242-1	(1)	472236904	485846165	486239260	487321948	403955360	467119927	8
Aroclor-1242-2	(2)	217510086	216447451	216513930	219383960	174933800	208957845	9
Aroclor-1242-3	(3)	123250580	122980740	121647250	125144732	116794760	121963612	3
Aroclor-1242-4	(4)	159270704	162580923	163635768	175639772	134330060	159091445	10
Aroclor-1242-5	(5)	192075351	196719551	194226854	201700156	188695940	194683570	3
Decachlorobiphenyl		6210283890	6223405693	6336701840	6098511680	5039253200	5981631261	9
Tetrachloro-m-xylene		6371057840	6261042827	6076223420	6032393800	4834060000	5914955577	10
Aroclor-1248-1	(1)	313001525	314287516	316712298	313219832	245110400	300466314	10
Aroclor-1248-2	(2)	194621063	204942157	200519274	206042640	206270120	202479051	2
Aroclor-1248-3	(3)	238833016	244338553	263622092	258775616	243161480	249746151	4
Aroclor-1248-4	(4)	233390044	236006324	231247510	230022068	233051700	232743529	1
Aroclor-1248-5	(5)	417516536	433645501	453462226	437040196	301192600	408571412	15
Decachlorobiphenyl		6280619880	6334319187	6392002300	6030990520	5377561400	6083098657	7
Tetrachloro-m-xylene		6342135760	6351132560	6173502940	5553544360	4399164000	5763895924	14
Aroclor-1254-1	(1)	503004292	535011767	531987056	521951800	402057780	498802539	11
Aroclor-1254-2	(2)	378219544	403583375	399300676	392234176	422583680	399184290	4
Aroclor-1254-3	(3)	715208754	722755991	718569236	662347256	504737840	664723815	14
Aroclor-1254-4	(4)	505627774	538597859	544931308	492275784	386803020	493647149	13
Aroclor-1254-5	(5)	551845651	631515513	645579268	578311224	446211920	570692715	14
Decachlorobiphenyl		6237706050	6279124973	6507474640	6157241280	5410407600	6118390909	7
Tetrachloro-m-xylene		6240840860	6469002347	6413333980	5502278160	4576318000	5840354669	14
Aroclor-1268-1	(1)	1460168699	1513699808	1559348234	1460709316	1219243940	1442633999	9



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1471677824	1500245056	1520481630	1382554016	1099105140	1394812733	12
Aroclor-1268-3	(3)	1142468076	1153335345	1195510260	1093929288	869367940	1090922182	12
Aroclor-1268-4	(4)	470517486	472924412	482908940	460922856	362513880	449957515	11
Aroclor-1268-5	(5)	3043336629	3184766664	3278330982	3285110680	2399968480	3038302687	12
Decachlorobiphenyl		12094690940	12187875973	12233092380	12124440600	9791304400	11686280859	9
Tetrachloro-m-xylene		6567329620	6628773733	6640722000	6057317560	4103278800	5999484343	18



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
Instrument ID: ECD_P **Date(s) Analyzed:** 09/23/2025 09/23/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.86	4.76	4.96	18490700
		2	4.95	4.85	5.05	13697900
		3	5.02	4.92	5.12	41397800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	32115600
		2	5.54	5.44	5.64	16774900
		3	5.83	5.73	5.93	33440800
		4	5.99	5.89	6.09	17299100
		5	6.08	5.98	6.18	12004400
Aroclor-1262	500	1	8.24	8.14	8.34	75955200
		2	8.57	8.47	8.67	135361000
		3	8.90	8.80	9.00	93451000
		4	8.98	8.88	9.08	72237200
		5	9.66	9.56	9.76	52135400



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
Instrument ID: ECD_P **Date(s) Analyzed:** 09/23/2025 09/23/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.01	3.91	4.11	76477600
		2	4.09	3.99	4.19	52263200
		3	4.17	4.07	4.27	190406000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.17	4.07	4.27	146566000
		2	4.89	4.79	4.99	252198000
		3	5.07	4.97	5.17	63015000
		4	5.15	5.05	5.25	103164000
		5	5.33	5.23	5.43	64046600
Aroclor-1262	500	1	6.91	6.81	7.01	791116000
		2	7.17	7.07	7.27	552368000
		3	7.69	7.59	7.79	499974000
		4	7.75	7.65	7.85	908084000
		5	8.25	8.15	8.35	429906000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075247.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 08:45
 Operator : YP\AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 12:10:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 12:07:08 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...	4.654	3.798	124.2E6	663.6E6	97.232	102.934
2) SA Decachlor...	10.434	8.805	92024613	612.2E6	96.521	99.321
Target Compounds						
3) L1 AR-1016-1	5.806	4.895	42347817	550.7E6	949.311	981.902
4) L1 AR-1016-2	5.828	4.954	64402738	253.7E6	960.782	984.838
5) L1 AR-1016-3	5.890	5.073	39431965	139.9E6	947.432	975.138
6) L1 AR-1016-4	5.988	5.114	32893250	139.2E6	961.092	953.442
7) L1 AR-1016-5	6.280	5.328	31586228	157.1E6	959.272	969.088
31) L7 AR-1260-1	7.397	6.356	52823399	389.9E6	931.840	987.087
32) L7 AR-1260-2	7.650	6.543	63303692	565.3E6	952.277	984.707
33) L7 AR-1260-3	8.009	6.696	48177125	422.4E6	953.829	994.488
34) L7 AR-1260-4	8.236	7.166	52102929	428.8E6	955.804	992.932
35) L7 AR-1260-5	8.562	7.406	102.1E6	1056.0E6	961.208	976.523

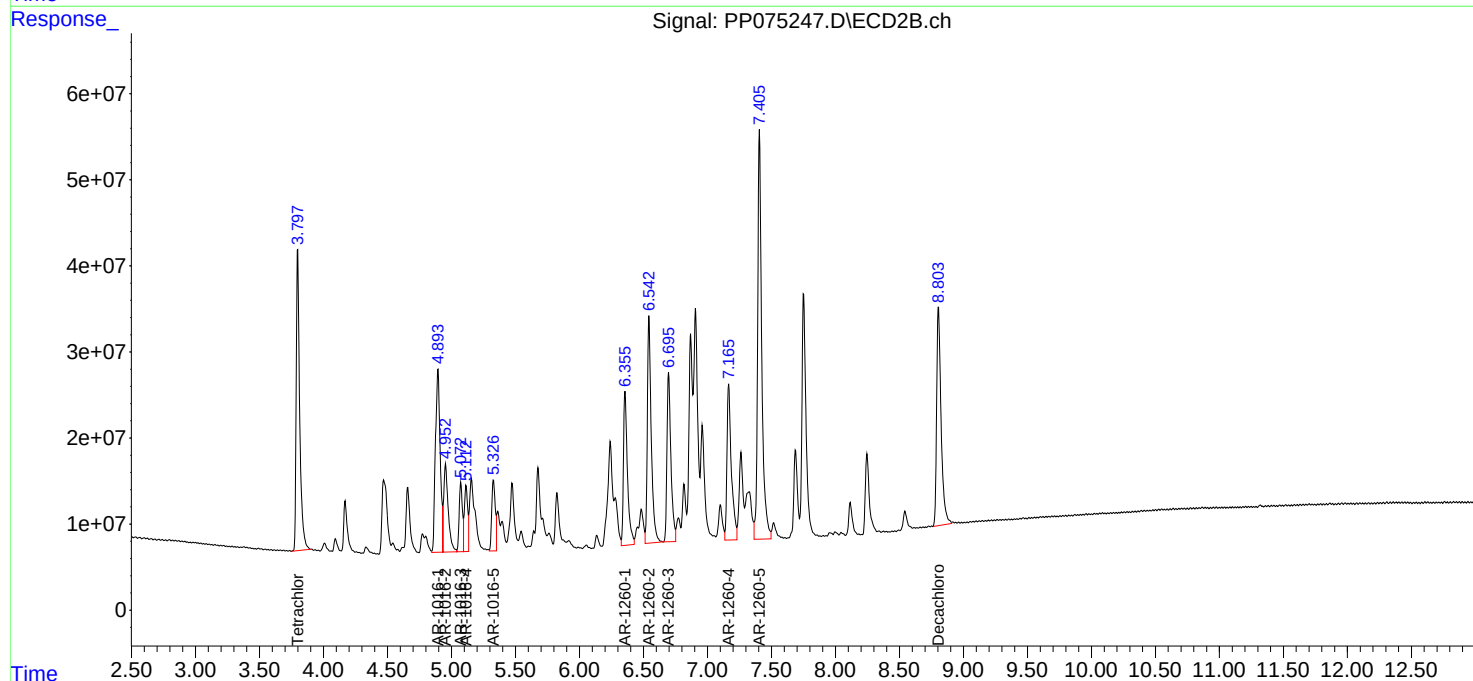
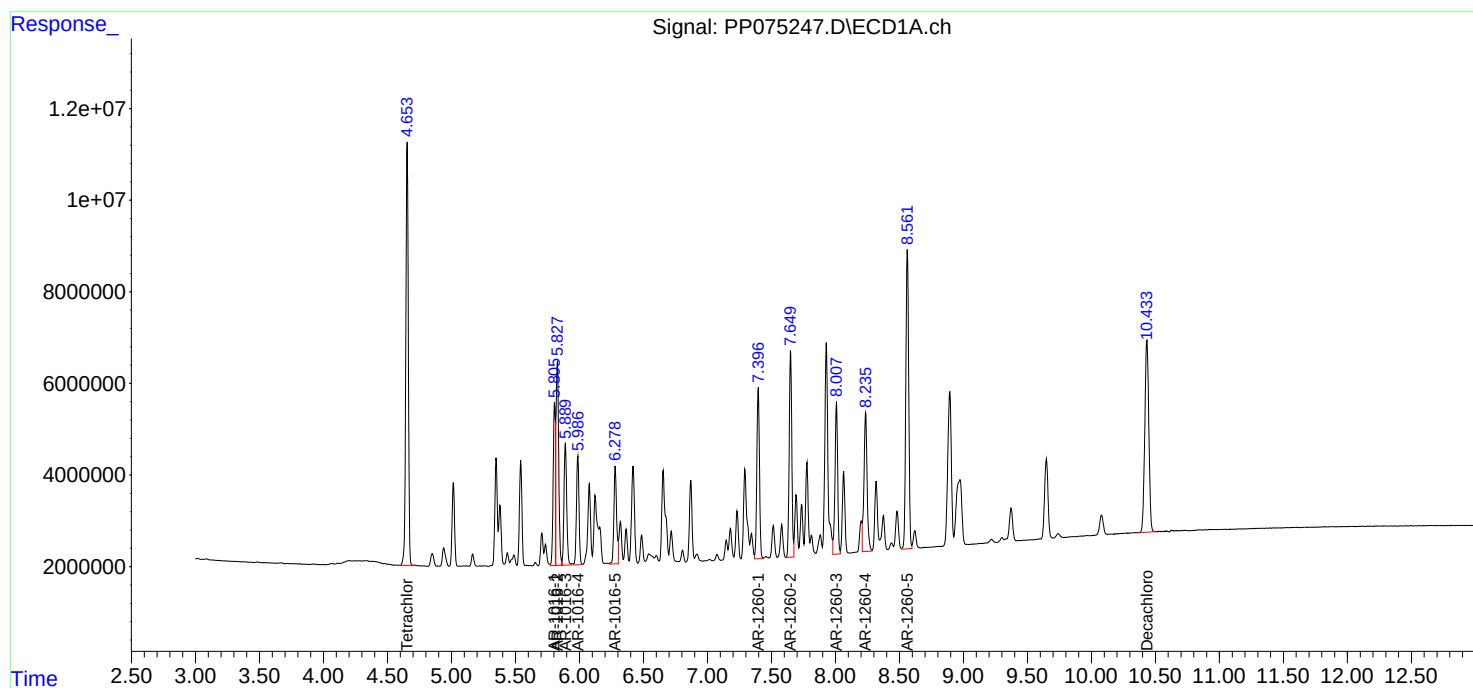
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 08:45
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:10:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075248.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 09:01
 Operator : YP\AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 12:21:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 12:07:08 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...	4.659	3.796	98140085	480.1E6	76.225	74.641
2)	SA Decachlor...	10.438	8.803	72203461	469.5E6	75.486	75.777
Target Compounds							
3)	L1 AR-1016-1	5.811	4.894	33755975	431.3E6	754.459	762.574
4)	L1 AR-1016-2	5.832	4.952	50790688	200.2E6	755.124	768.006
5)	L1 AR-1016-3	5.895	5.072	31404177	109.7E6	753.026	759.865
6)	L1 AR-1016-4	5.992	5.111	26125023	112.5E6	758.837	763.638
7)	L1 AR-1016-5	6.285	5.326	25091989	124.6E6	757.985	762.174
31)	L7 AR-1260-1	7.402	6.355	42291284	299.1E6	747.360	754.771
32)	L7 AR-1260-2	7.655	6.541	50614233	437.6E6	757.555	758.123
33)	L7 AR-1260-3	8.013	6.695	38223002	324.8E6	754.489	759.766
34)	L7 AR-1260-4	8.241	7.165	41368851	324.2E6	755.905	750.542
35)	L7 AR-1260-5	8.567	7.404	80643040	828.4E6	755.983	760.602

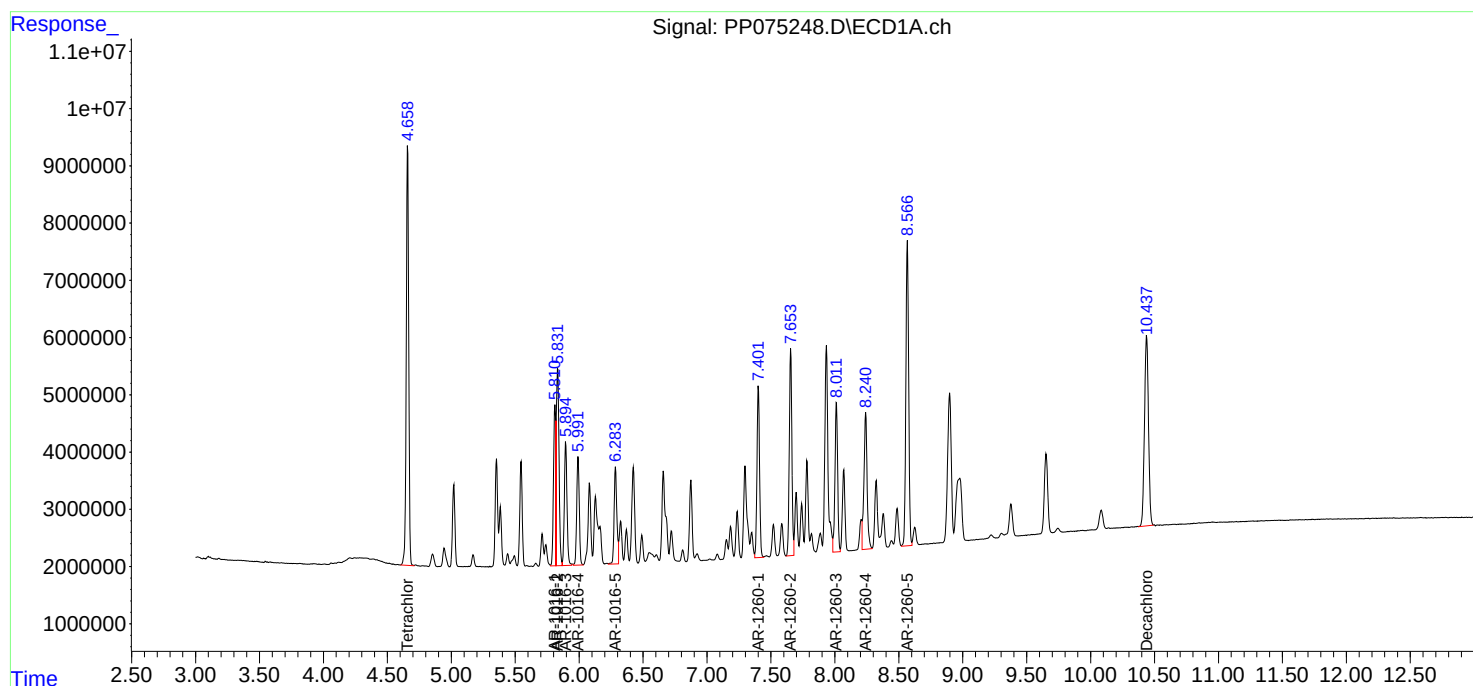
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:01
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:21:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075249.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 09:18
 Operator : YP\AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 12:07:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 12:07:08 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...	4.655	3.796	65616529	312.9E6	50.000	50.000
2) SA Decachlor...	10.434	8.803	49328834	310.3E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.808	4.893	23435085	285.5E6	500.000	500.000
4) L1 AR-1016-2	5.829	4.951	34830204	130.8E6	500.000	500.000
5) L1 AR-1016-3	5.892	5.071	21903834	73508070	500.000	500.000
6) L1 AR-1016-4	5.989	5.111	17778257	76383773	500.000	500.000
7) L1 AR-1016-5	6.281	5.325	17134187	83579985	500.000	500.000
31) L7 AR-1260-1	7.399	6.355	30275504	200.1E6	500.000	500.000
32) L7 AR-1260-2	7.651	6.541	34824278	291.5E6	500.000	500.000
33) L7 AR-1260-3	8.009	6.695	26420619	213.5E6	500.000	500.000
34) L7 AR-1260-4	8.237	7.165	28460709	217.4E6	500.000	500.000
35) L7 AR-1260-5	8.564	7.404	55184634	553.4E6	500.000	500.000

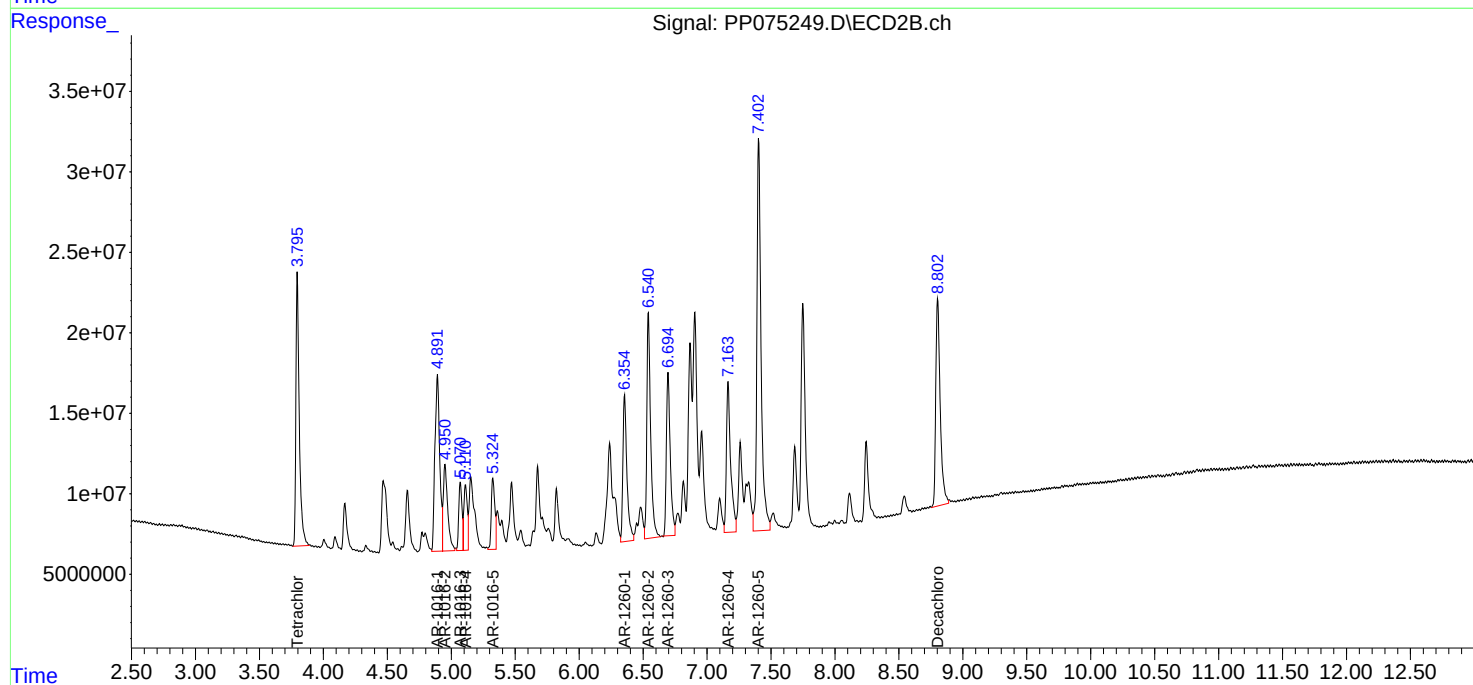
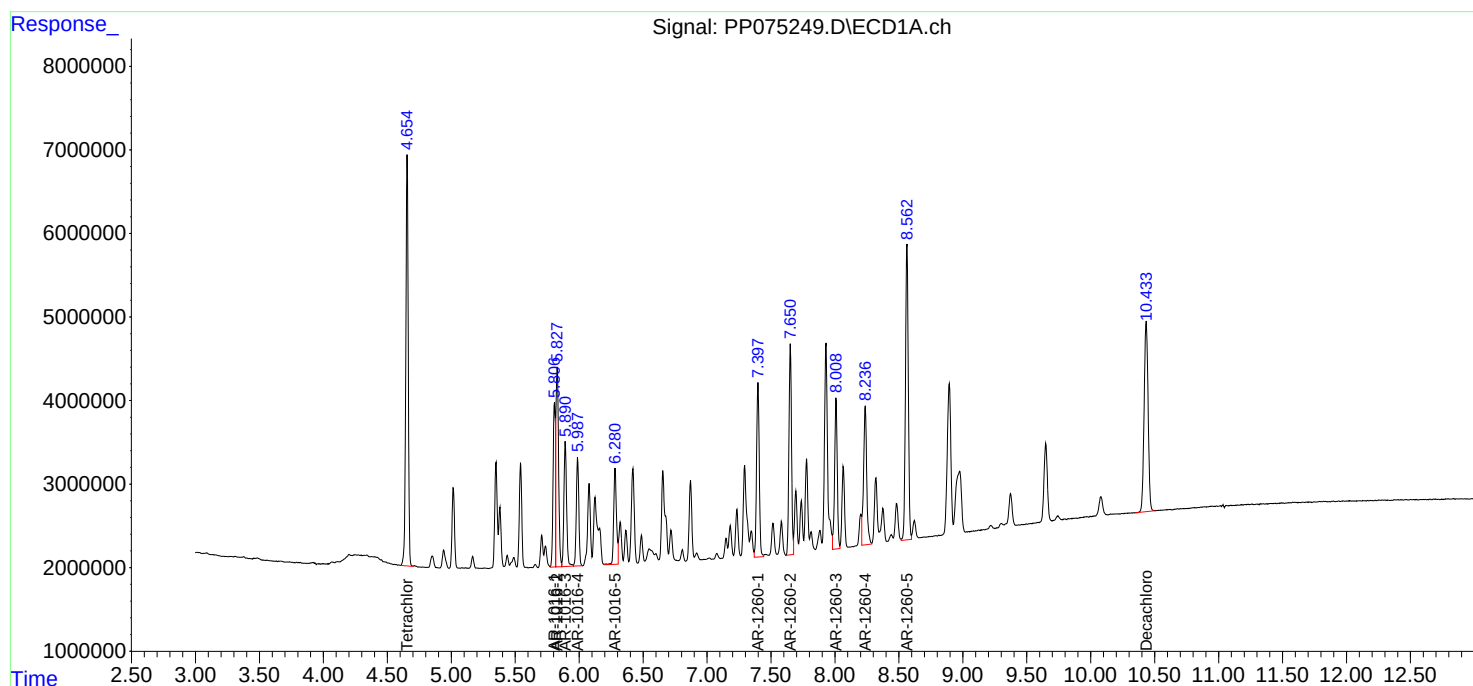
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075249.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:18
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075250.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 09:34
 Operator : YP\AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 12:25:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 12:07:08 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...	4.655	3.796	34563643	157.0E6	26.359	24.549
2)	SA Decachlor...	10.434	8.803	25809061	158.9E6	26.458	25.477
Target Compounds							
3)	L1 AR-1016-1	5.807	4.894	12538461	139.4E6	272.014	247.365
4)	L1 AR-1016-2	5.828	4.952	18566259	63148573	269.028	244.105
5)	L1 AR-1016-3	5.891	5.072	11837993	35142091	274.562	244.992
6)	L1 AR-1016-4	5.988	5.113	9584076	36742253	270.699	249.565
7)	L1 AR-1016-5	6.280	5.326	9259844	42918309	271.649	259.287
31)	L7 AR-1260-1	7.398	6.354	16026380	106.7E6	274.109	264.074
32)	L7 AR-1260-2	7.651	6.542	18926012	145.1E6	274.149	251.045
33)	L7 AR-1260-3	8.009	6.695	14058591	106.6E6	270.076	249.442
34)	L7 AR-1260-4	8.236	7.164	14811288	105.8E6	254.816m	246.162
35)	L7 AR-1260-5	8.563	7.404	28952377	273.5E6	265.722	250.867

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 09:34
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

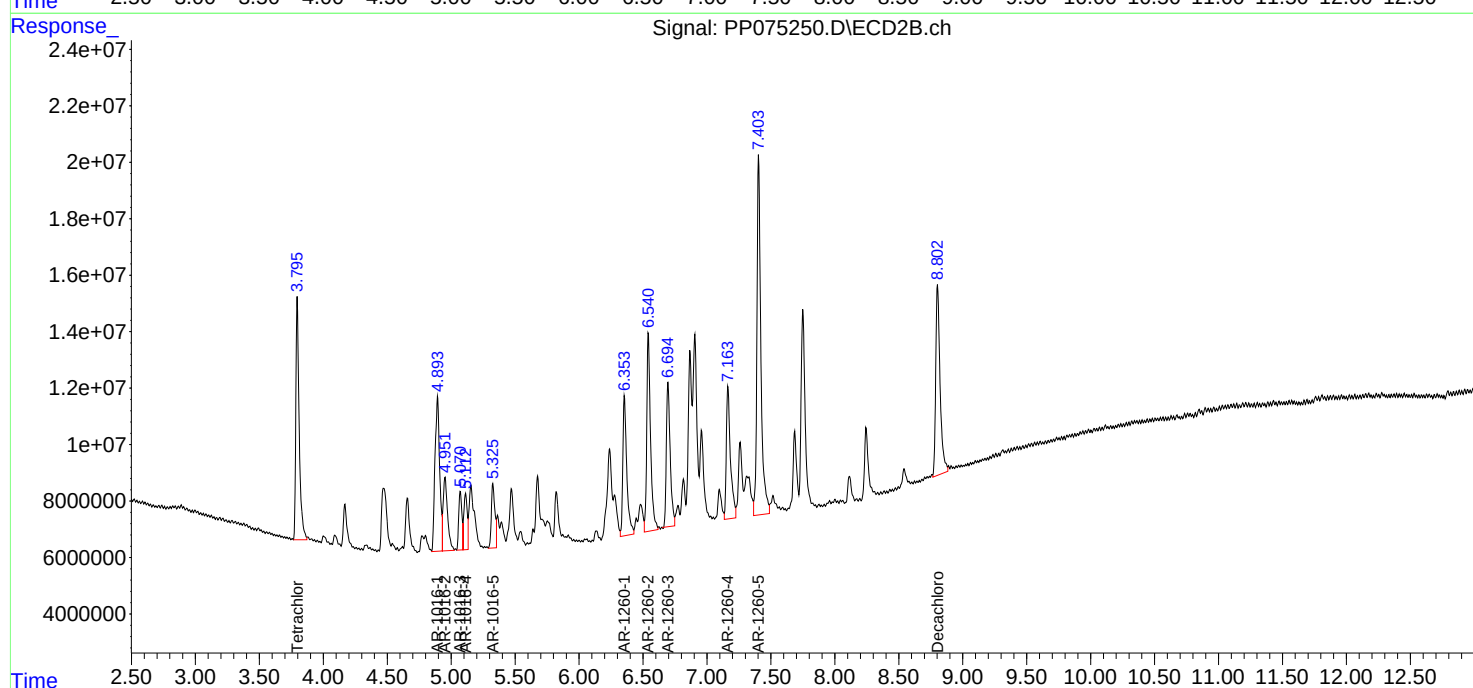
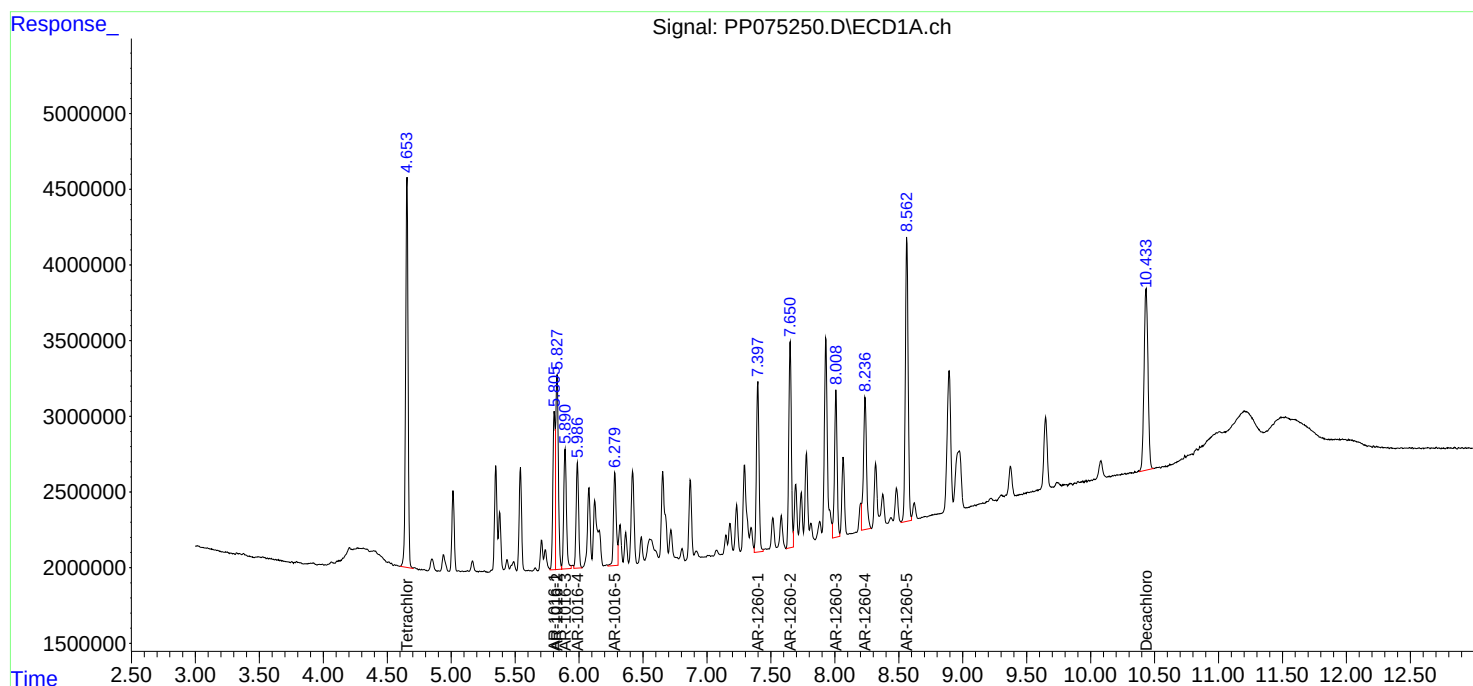
Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:25:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075251.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 10:11
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 12:30:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 12:07:08 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...	4.662	3.796	6486797	24654655	4.958	4.041
2) SA Decachlor...	10.447	8.810	5429214	26095826	5.432m	4.326
Target Compounds						
3) L1 AR-1016-1	5.815	4.897	2807205	27537434	58.356	49.085
4) L1 AR-1016-2	5.837	4.954	4129694	12511665	57.574	48.683
5) L1 AR-1016-3	5.898	5.071	3009502	10128766	65.402m	65.234
6) L1 AR-1016-4	5.997	5.115	1828194	7296933	51.301	49.650
7) L1 AR-1016-5	6.288	5.331	1612829	7740730	48.062m	47.378
31) L7 AR-1260-1	7.406	6.357	3336459	20710780	56.486m	51.020
32) L7 AR-1260-2	7.660	6.545	4392403	28346486	62.449	49.227
33) L7 AR-1260-3	8.018	6.695	3125448	21589727	57.724	50.432m
34) L7 AR-1260-4	8.246	7.168	2962892	21848445	51.832m	52.185
35) L7 AR-1260-5	8.573	7.405	5660626	44925783	51.550	43.361m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:11
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

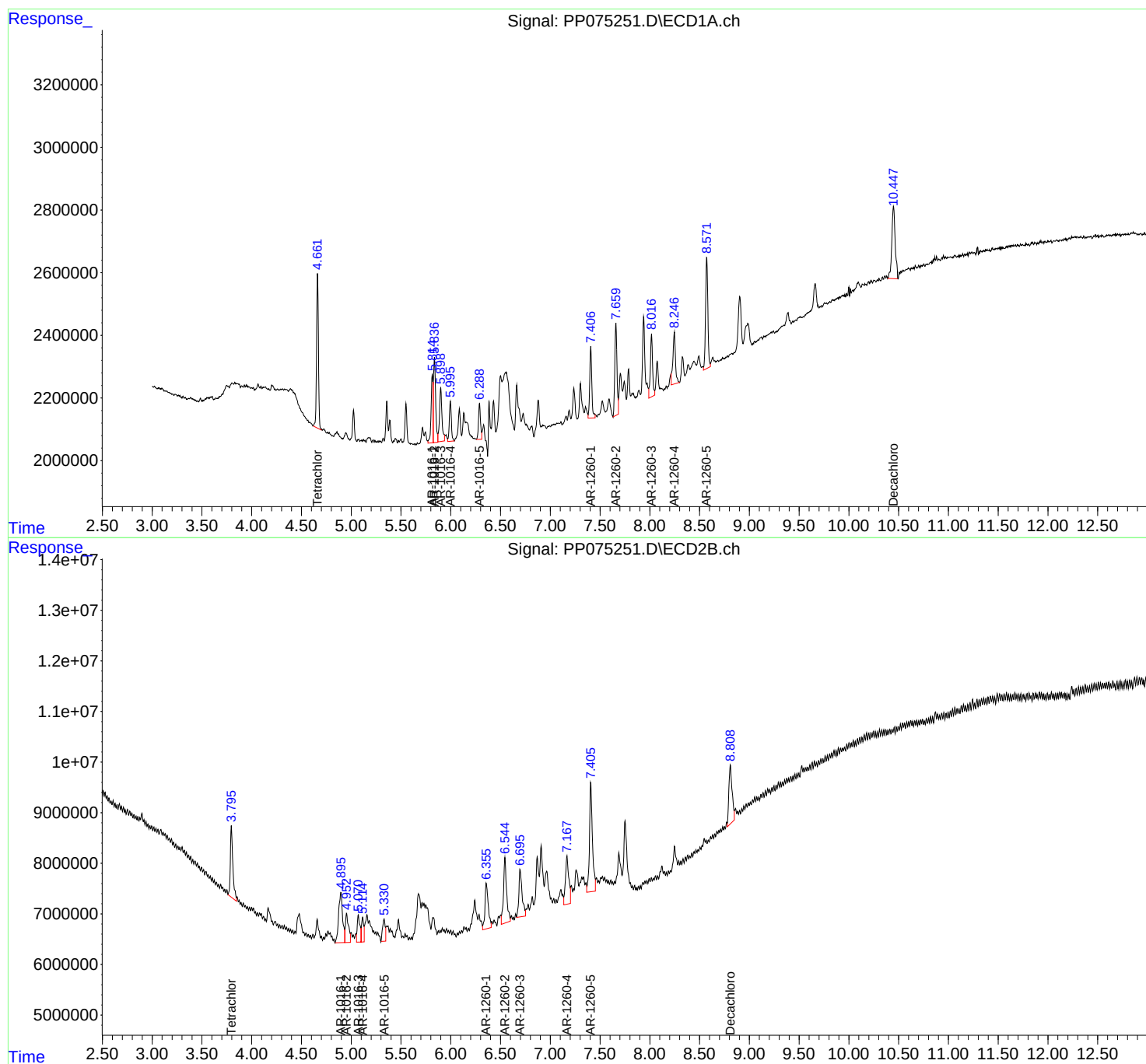
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:30:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075252.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 10:27
 Operator : YP\AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 12:52:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 12:52:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.797	66333410	311.2E6	50.000	50.000
2) SA Decachlor...	10.443	8.805	49168629	311.8E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.860	4.008	9245327	38238805	500.000	500.000
9) L2 AR-1221-2	4.946	4.093	6848929	26131566	500.000	500.000
10) L2 AR-1221-3	5.021	4.168	20698858	95202751	500.000	500.000

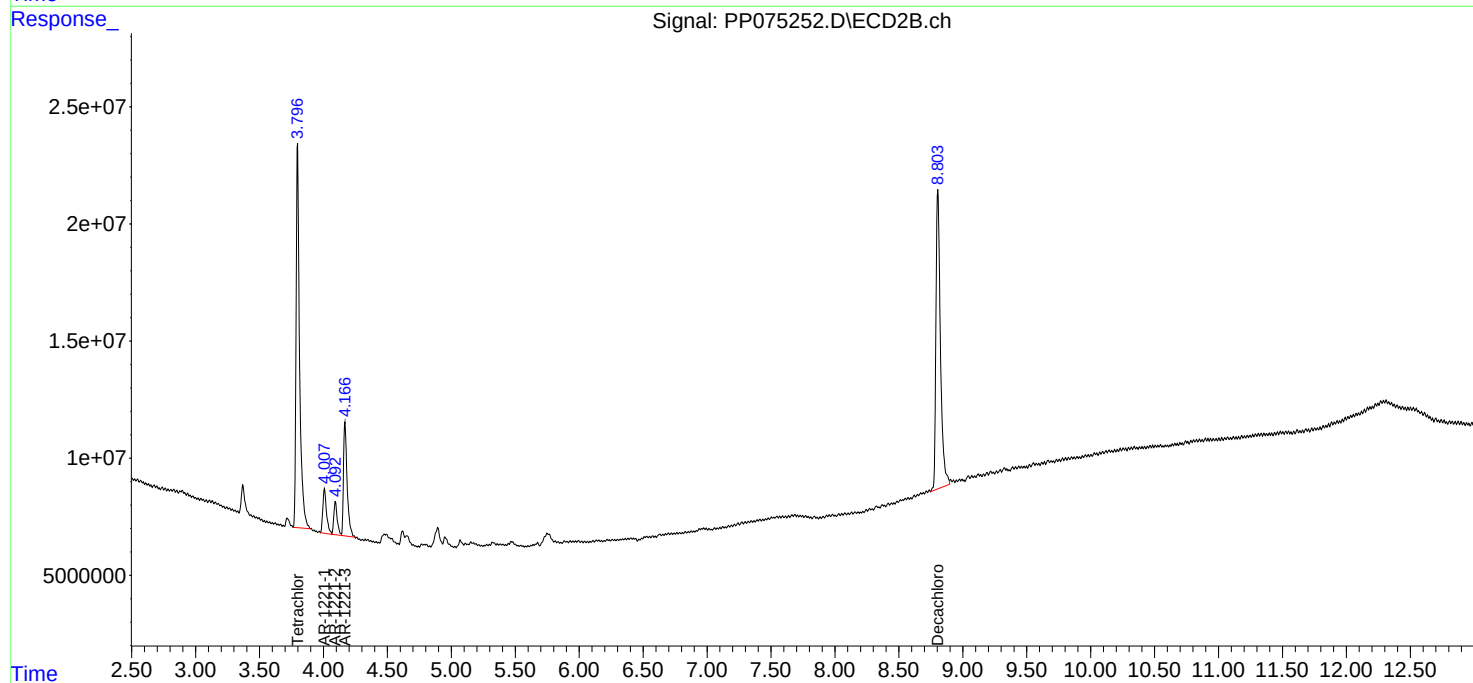
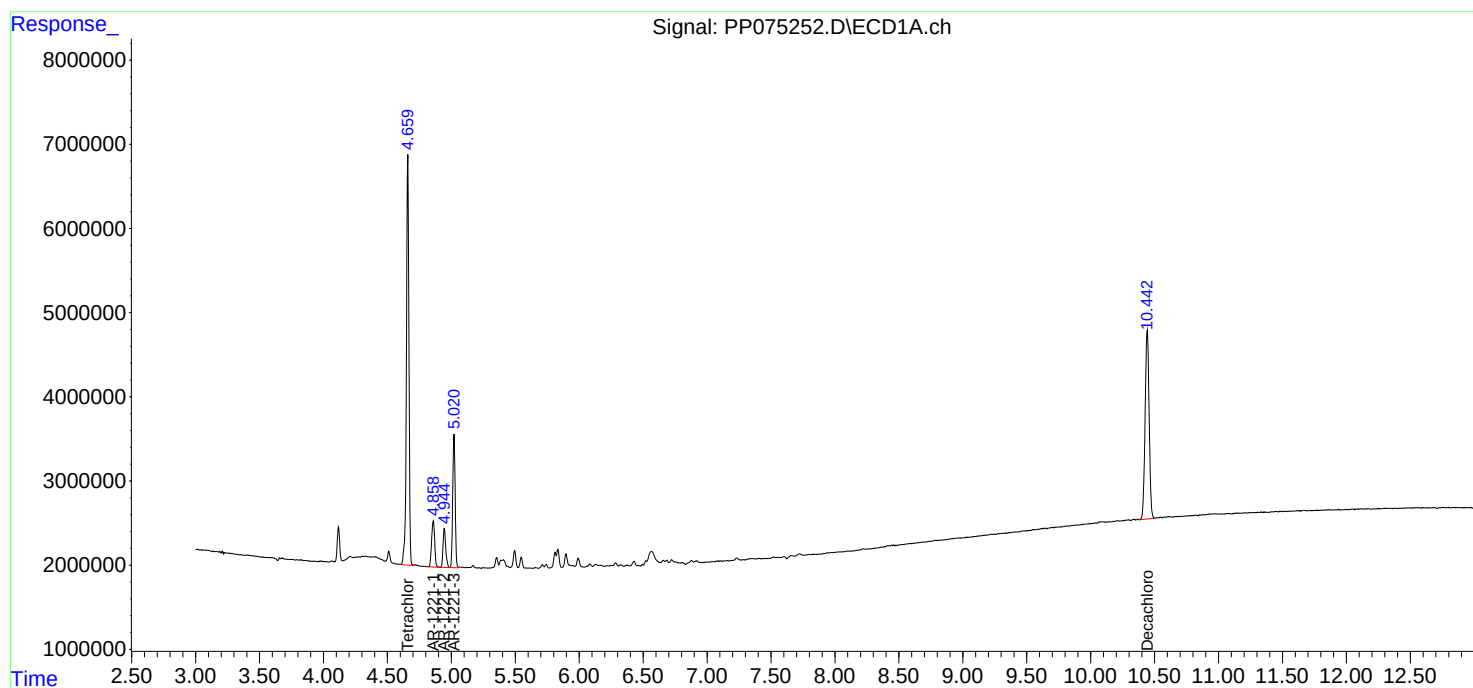
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:27
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 12:52:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 12:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075253.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 10:43
 Operator : YP\AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 13:16:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 13:16:43 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...	4.657	3.797	66756778	323.1E6	50.000	50.000
2) SA Decachlor...	10.440	8.805	50078510	307.1E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	5.018	4.168	16057787	73283142	500.000	500.000
12) L3 AR-1232-2	5.544	4.894	8387436	126.1E6	500.000	500.000
13) L3 AR-1232-3	5.831	5.071	16720373	31507455	500.000	500.000
14) L3 AR-1232-4	5.990	5.154	8649563	51581797	500.000	500.000
15) L3 AR-1232-5	6.080	5.326	6002207	32023272	500.000	500.000

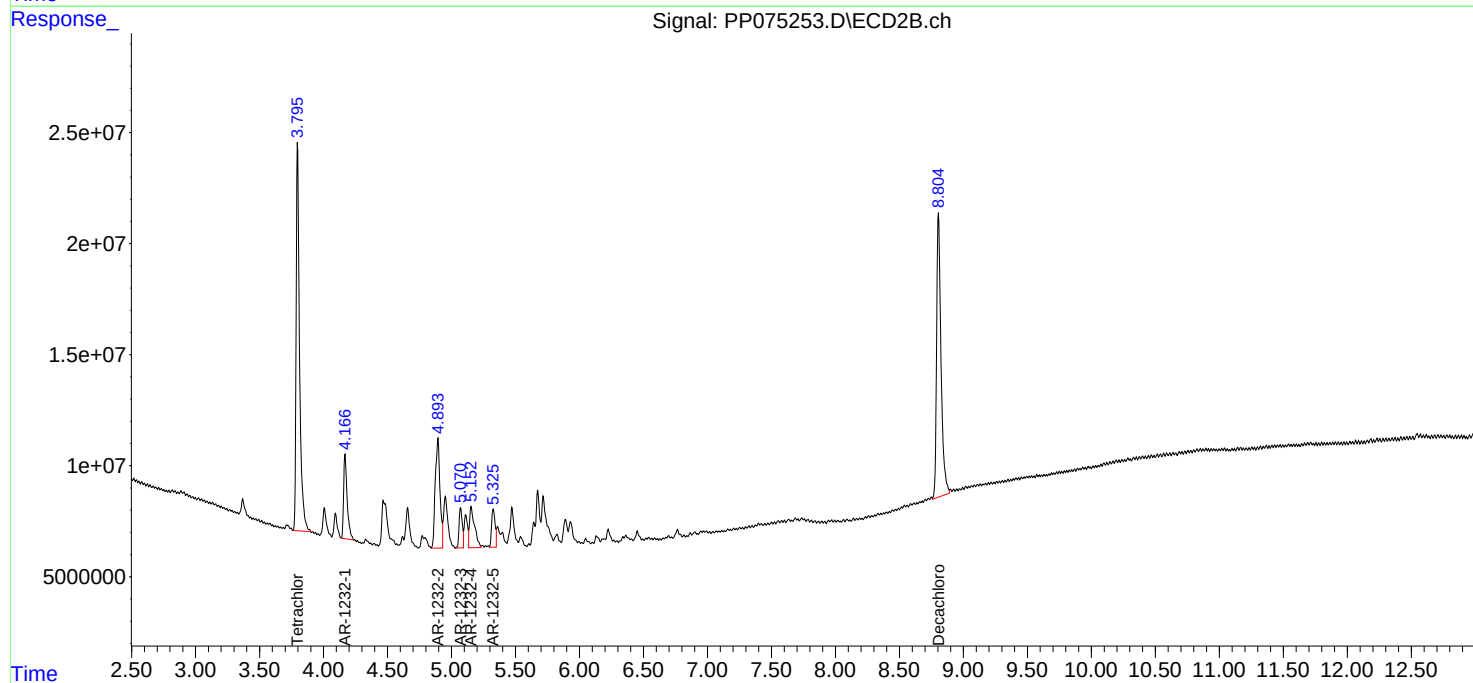
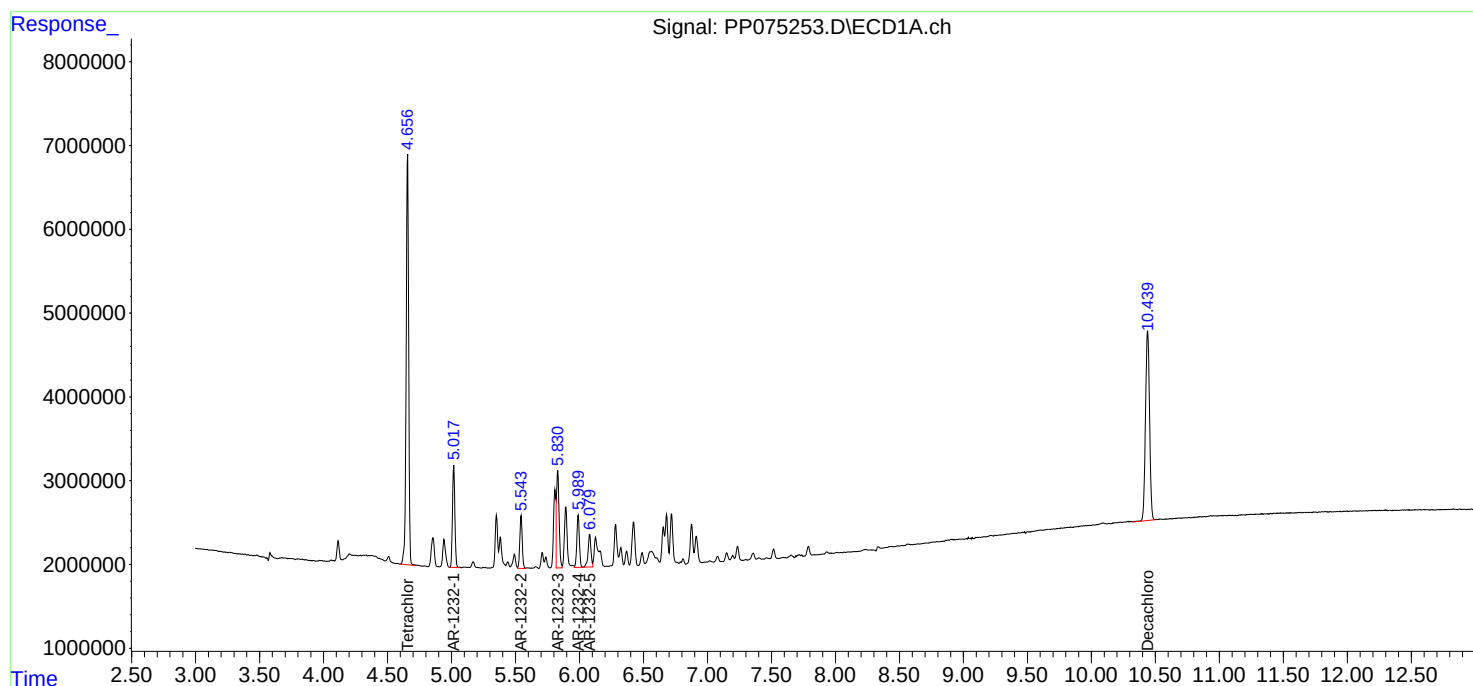
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 10:43
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:16:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:16:43 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_P\Data\PP092325\
 Data File : PP075254.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 11:00
 Operator : YP\AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC1000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 13:48:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 13:43:35 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...	4.660	3.799	123.6E6	637.1E6	96.711	102.369
2) SA Decachlor...	10.443	8.807	92662703	621.0E6	96.022	98.992
Target Compounds						
16) L4 AR-1242-1	5.812	4.896	36886529	472.2E6	944.472	985.391
17) L4 AR-1242-2	5.834	4.954	55040068	217.5E6	954.815	1002.295
18) L4 AR-1242-3	5.896	5.073	34279044	123.3E6	940.039	1006.547
19) L4 AR-1242-4	5.993	5.155	28461551	159.3E6	952.139	958.832m
20) L4 AR-1242-5	6.723	5.677	31568865	192.1E6	939.198	994.431

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:00
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

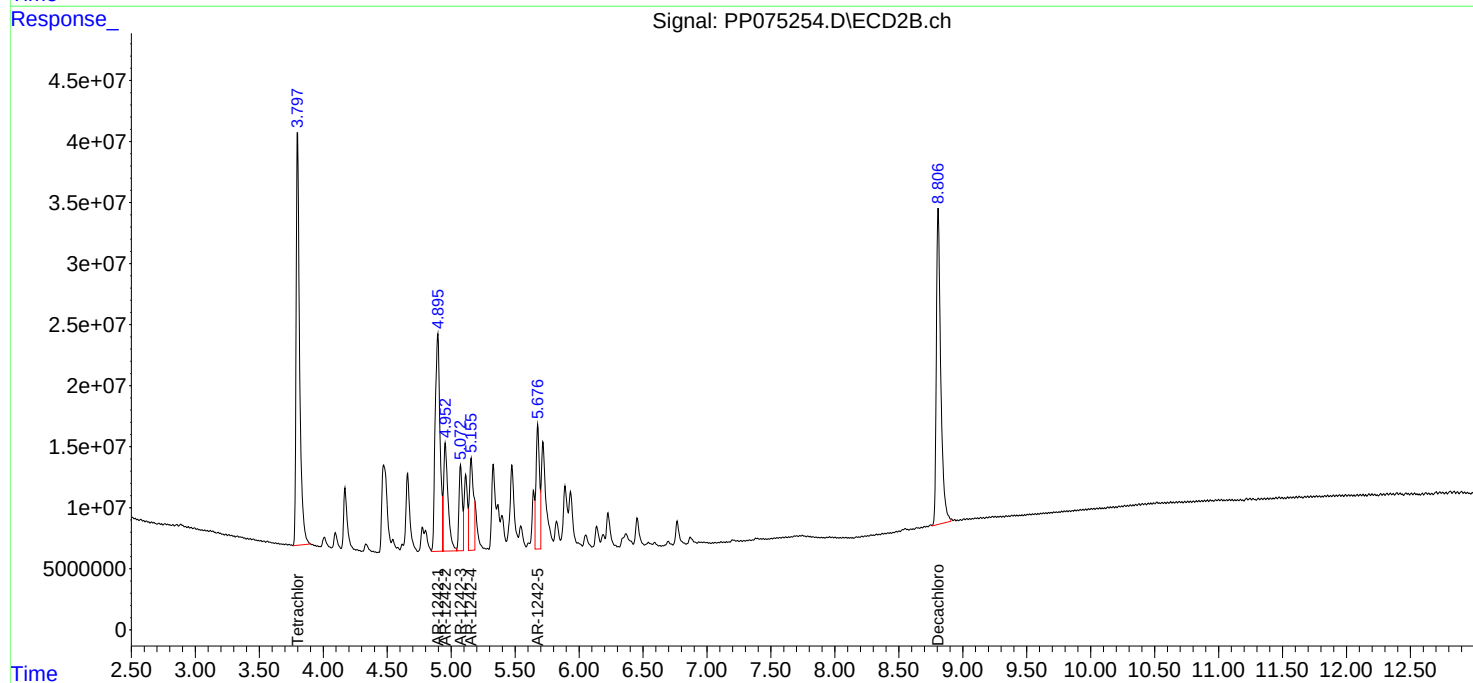
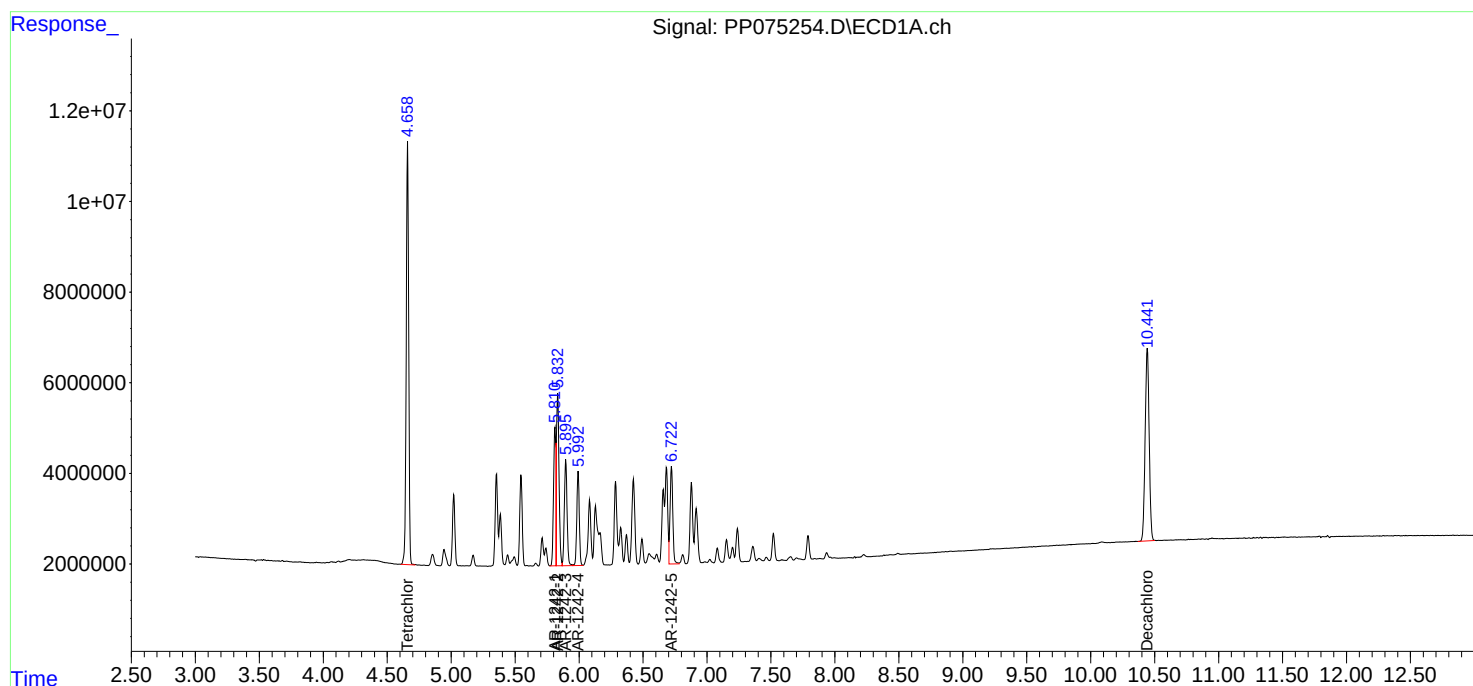
Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:48:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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_P\Data\PP092325\
 Data File : PP075255.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 11:16
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 13:51:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 13:43:35 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...	4.656	3.800	97168171	469.6E6	75.674	75.300
2) SA Decachlor...	10.439	8.807	72638787	466.8E6	75.181	74.600
Target Compounds						
16) L4 AR-1242-1	5.808	4.897	29413504	364.4E6	752.082	756.863
17) L4 AR-1242-2	5.830	4.955	43483200	162.3E6	752.881	748.698
18) L4 AR-1242-3	5.892	5.073	27466678	92235555	752.145	752.168
19) L4 AR-1242-4	5.989	5.156	22479541	121.9E6	751.345	763.610m
20) L4 AR-1242-5	6.719	5.678	25081847	147.5E6	747.465	759.181

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:16
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

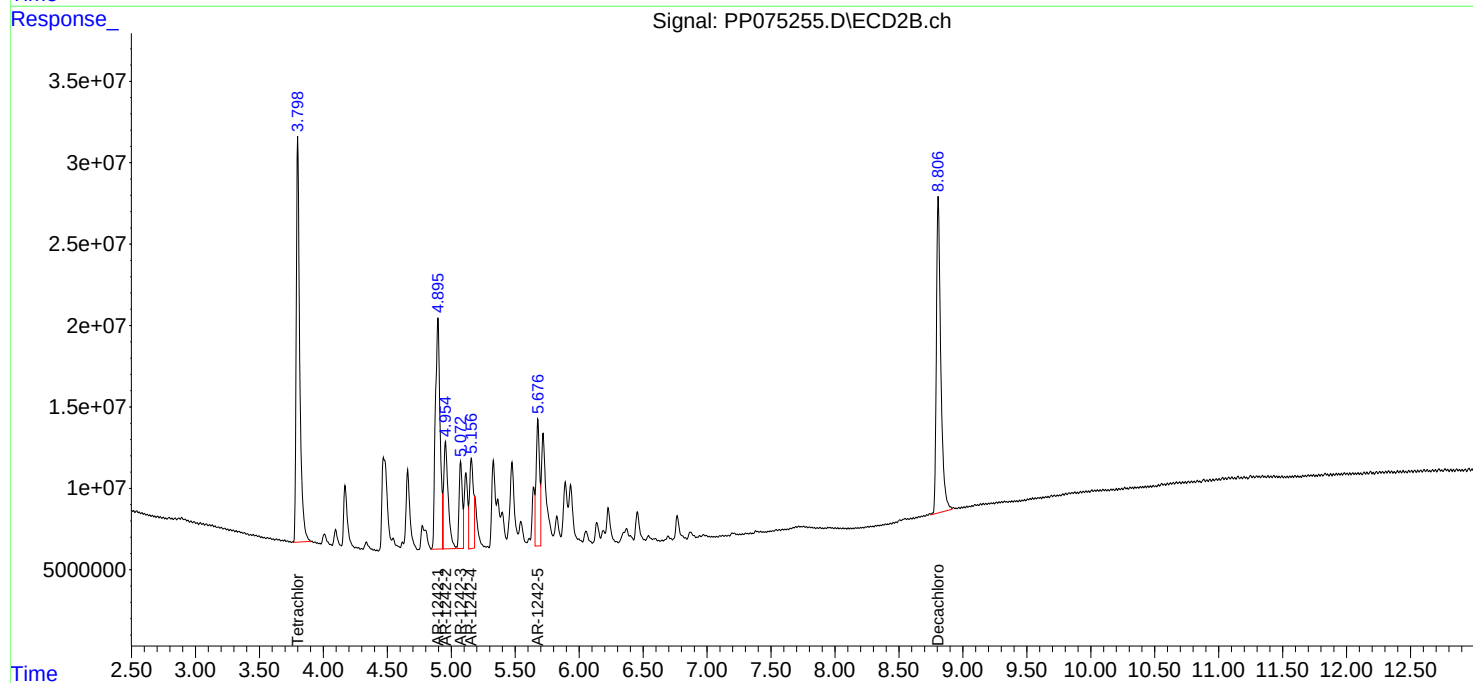
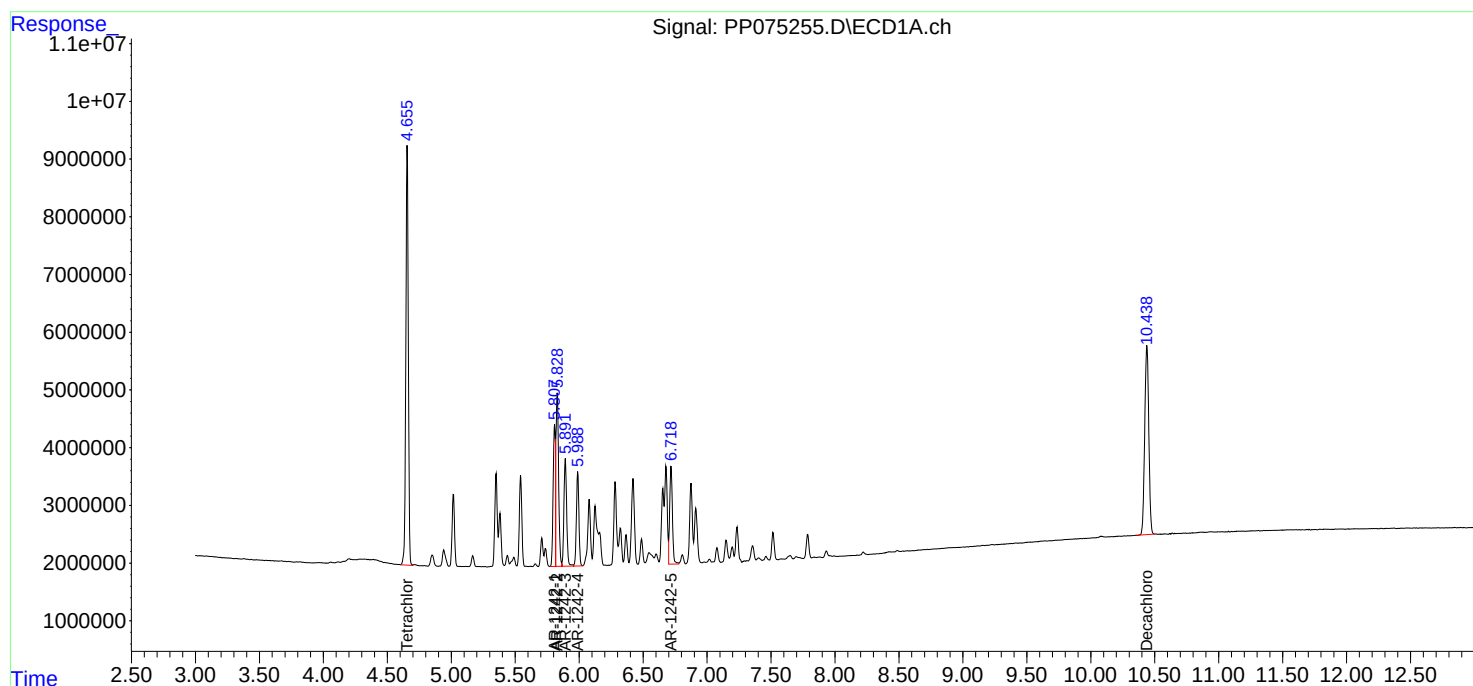
Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:51:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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_P\Data\PP092325\
 Data File : PP075256.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 11:32
 Operator : YP\AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 13:45:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 13:43:35 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...	4.659	3.799	66015633	303.8E6	50.000	50.000
2)	SA Decachlor...	10.443	8.808	50169729	316.8E6	50.000	50.000
Target Compounds							
16)	L4 AR-1242-1	5.811	4.895	20611924	243.1E6	500.000	500.000
17)	L4 AR-1242-2	5.832	4.954	30124732	108.3E6	500.000	500.000
18)	L4 AR-1242-3	5.895	5.073	19326019	60823625	500.000	500.000
19)	L4 AR-1242-4	5.992	5.155	15661455	81817884	500.000	481.178m
20)	L4 AR-1242-5	6.722	5.676	17828128	97113427	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:32
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

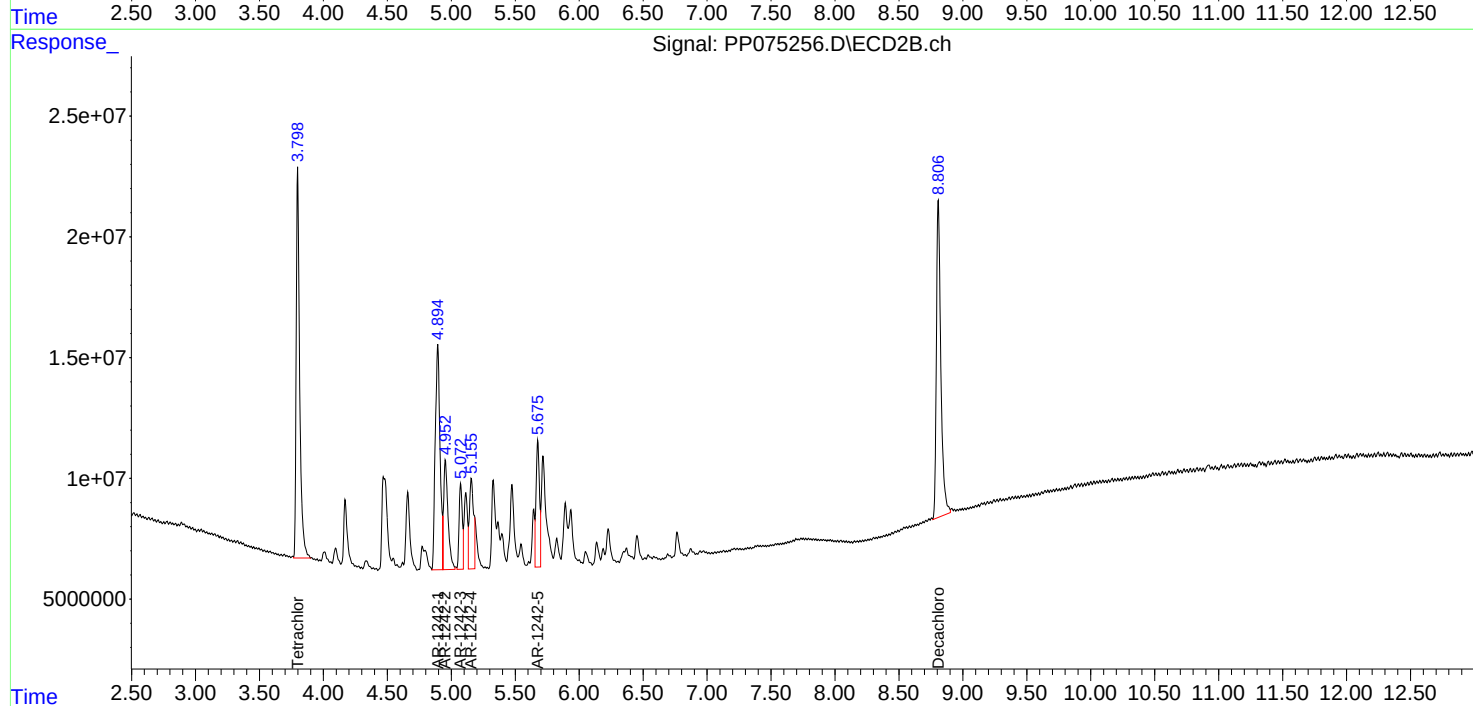
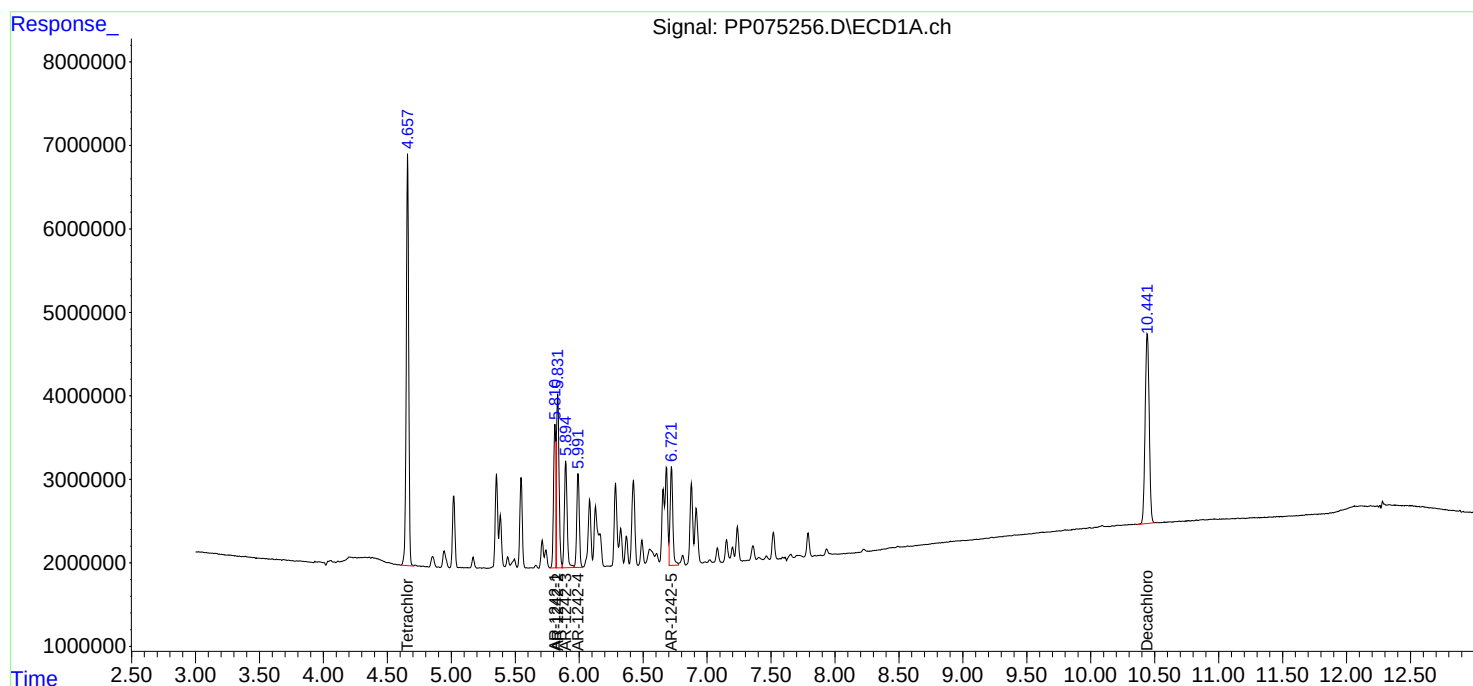
Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:45:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:43:35 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_P\Data\PP092325\
 Data File : PP075257.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 11:48
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 13:55:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 13:54:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.661	3.797	34555716	150.8E6	26.407	24.382
2) SA Decachlor...	10.444	8.805	26178805	152.5E6	26.539	24.523
Target Compounds						
16) L4 AR-1242-1	5.813	4.894	11111719	121.8E6	274.745	252.283
17) L4 AR-1242-2	5.834	4.952	16022261	54845990	270.012	252.207
18) L4 AR-1242-3	5.897	5.072	10474071	31286183	276.635	253.831
19) L4 AR-1242-4	5.994	5.153	8389612	43909943	272.135	267.938m
20) L4 AR-1242-5	6.724	5.675	9880995	50425039	281.928	257.034

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:48
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

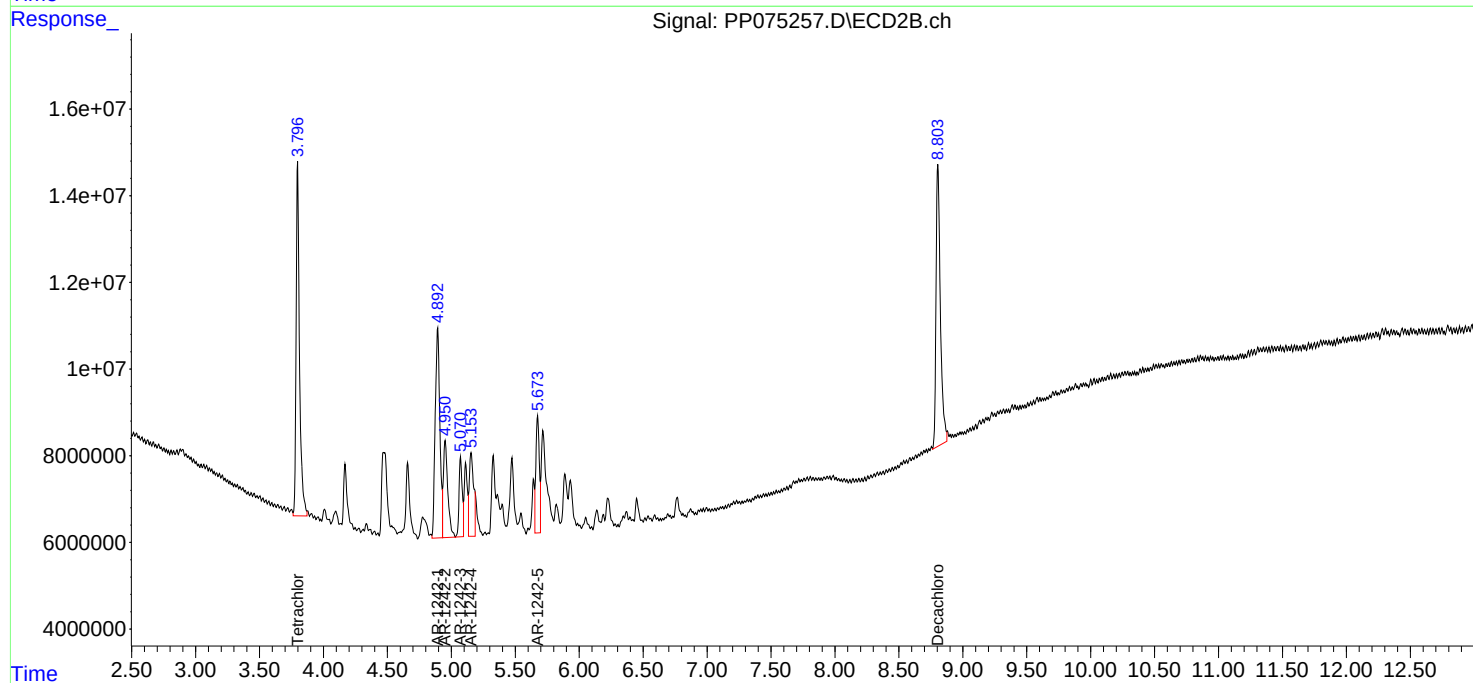
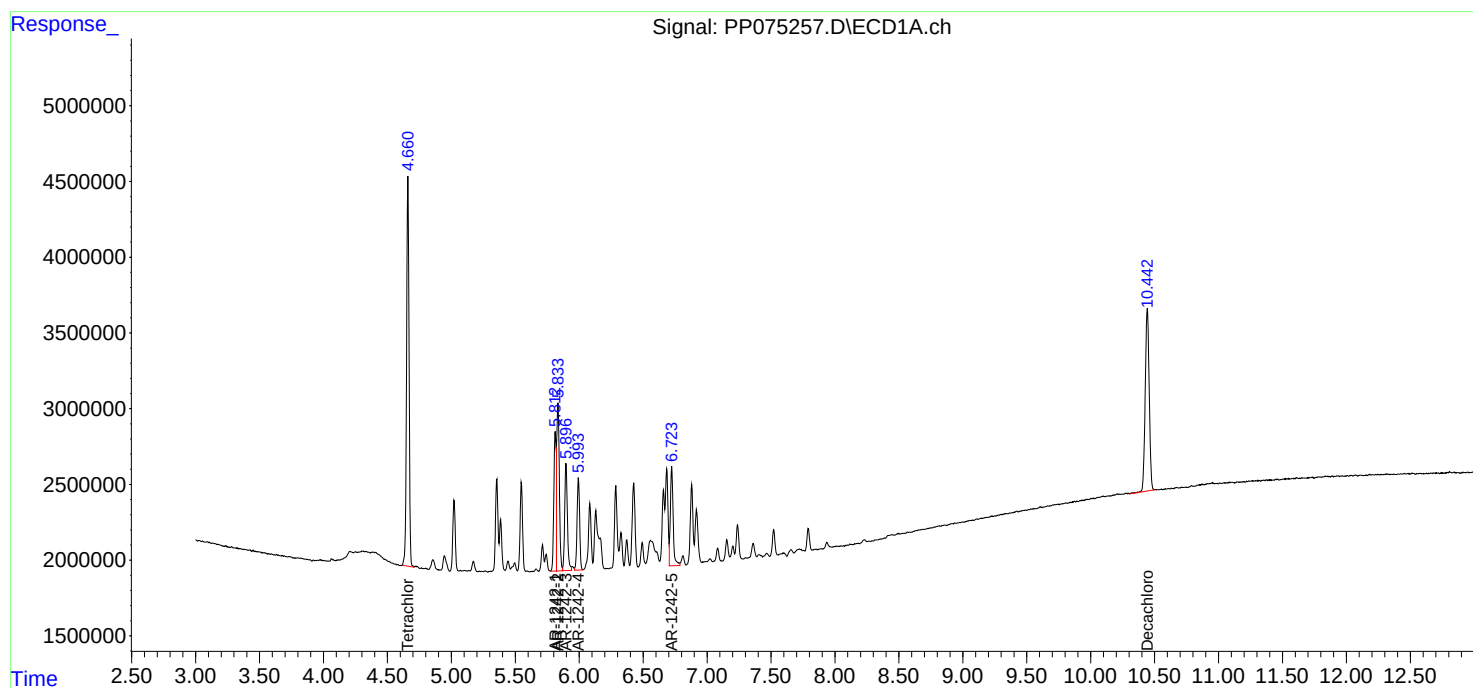
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 13:55:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:54:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075258.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 12:05
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 14:00:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 13:59:11 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...	4.657	3.796	6258278	24170300	4.827m	4.086
2) SA Decachlor...	10.437	8.803	4689985	25196266	4.802	4.212
Target Compounds						
16) L4 AR-1242-1	5.810	4.893	2326163	20197768	55.837	43.239
17) L4 AR-1242-2	5.831	4.952	3041537	8746690	51.001	41.859
18) L4 AR-1242-3	5.895	5.076	2534074	5839738	62.684	47.881
19) L4 AR-1242-4	5.991	5.155	1692732	6716503	53.850	42.218
20) L4 AR-1242-5	6.719	5.676	1779340	9434797	50.613m	48.462

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:05
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

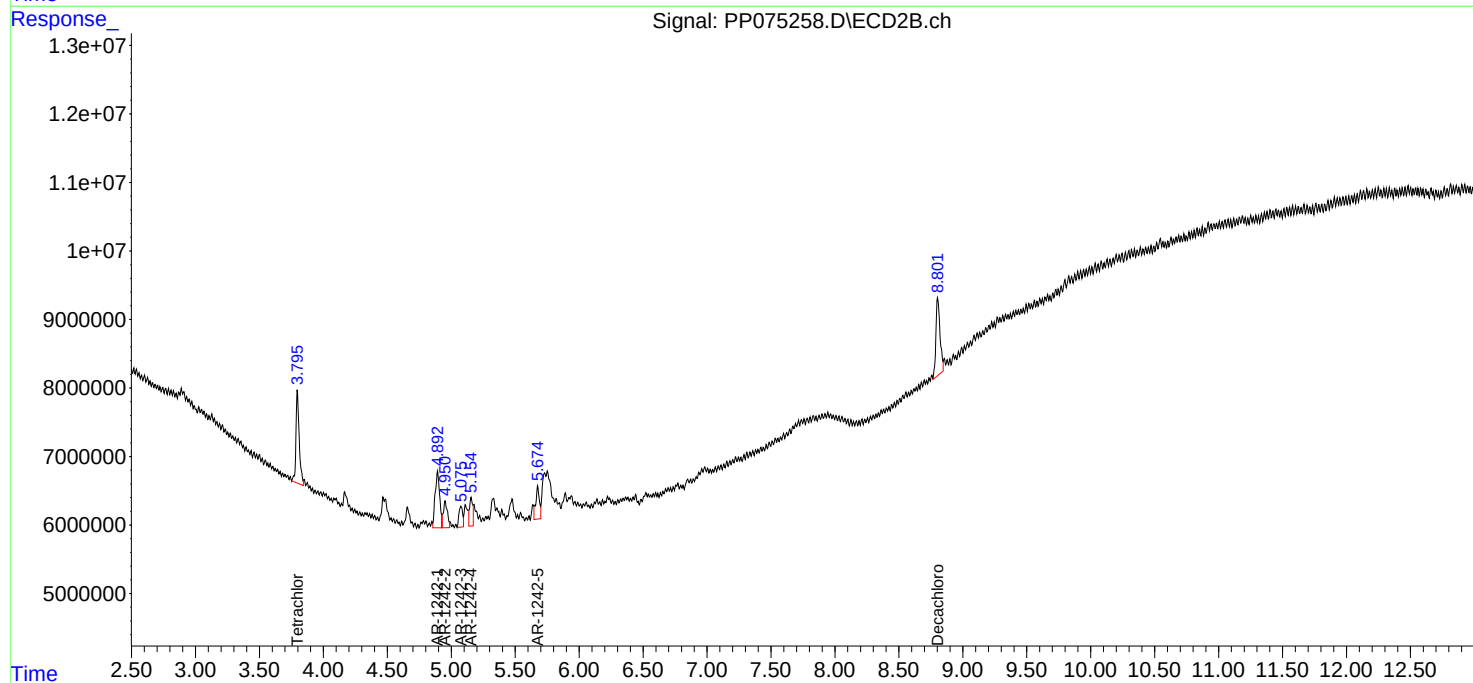
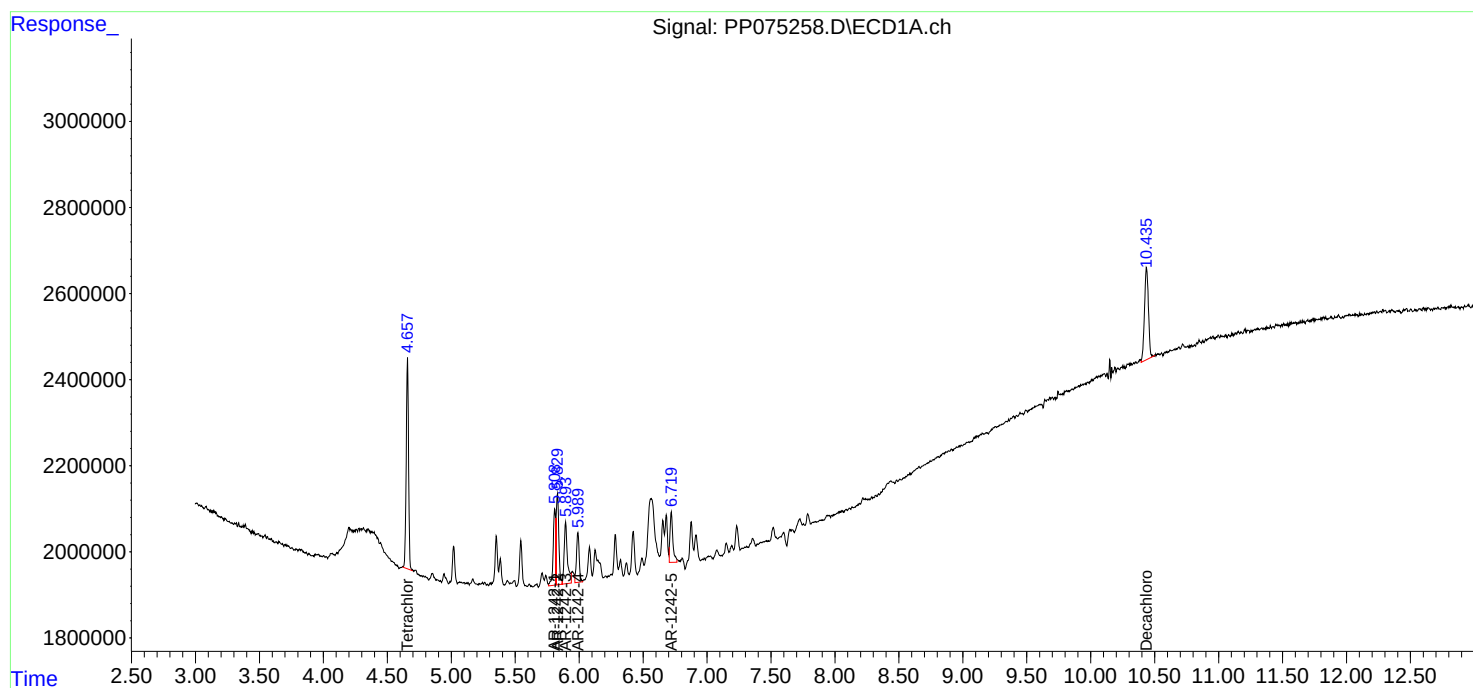
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:00:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 13:59:11 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_P\Data\PP092325\
 Data File : PP075259.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 12:37
 Operator : YP\AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC1000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 14:08:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 14:04:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.656	3.797	123.5E6	634.2E6	96.737	101.347
2) SA Decachlor...	10.430	8.803	93621437	628.1E6	96.237	99.121
Target Compounds						
21) L5 AR-1248-1	5.807	4.893	29172565	313.0E6	949.898	994.107
22) L5 AR-1248-2	6.078	5.113	39359802	194.6E6	950.495	985.073
23) L5 AR-1248-3	6.281	5.153	44196144	238.8E6	953.794	934.027m
24) L5 AR-1248-4	6.678	5.326	53562132	233.4E6	949.444	1004.611
25) L5 AR-1248-5	6.718	5.716	51867384	417.5E6	947.013	958.730

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075259.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:37
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

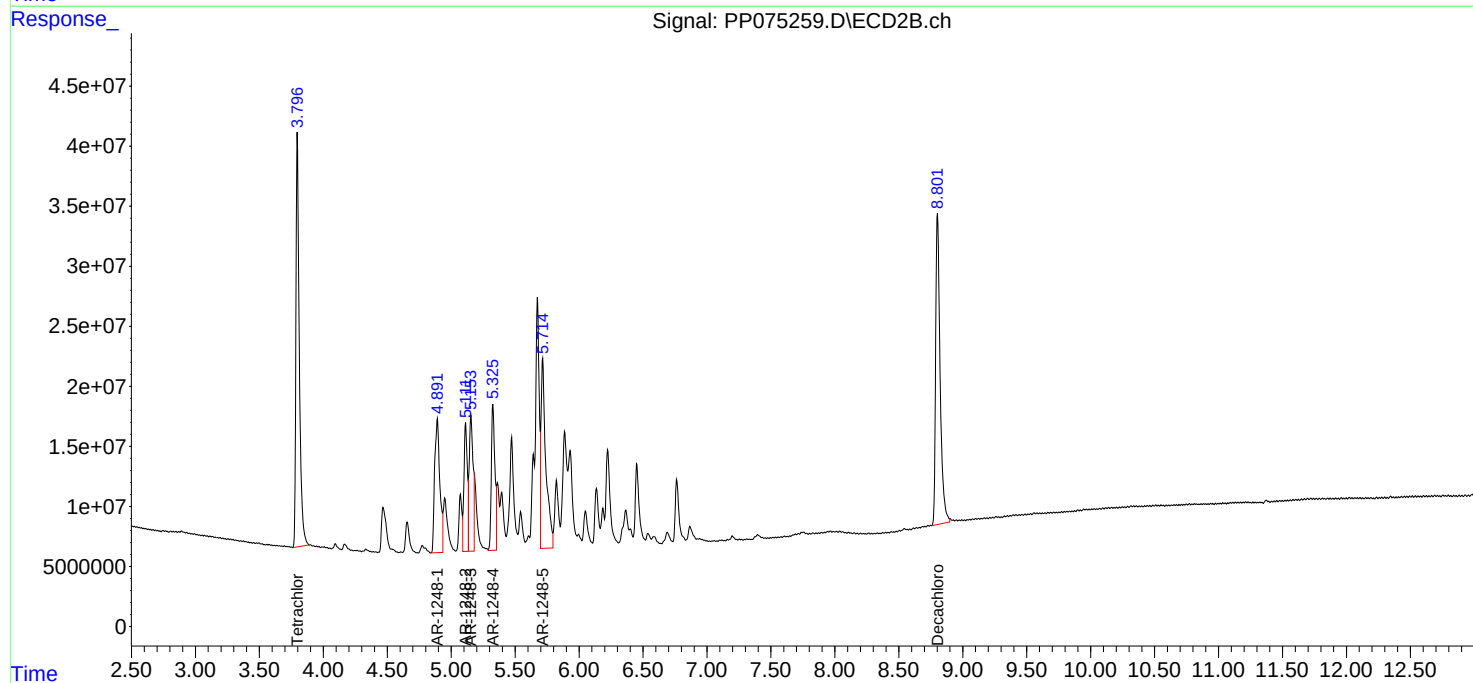
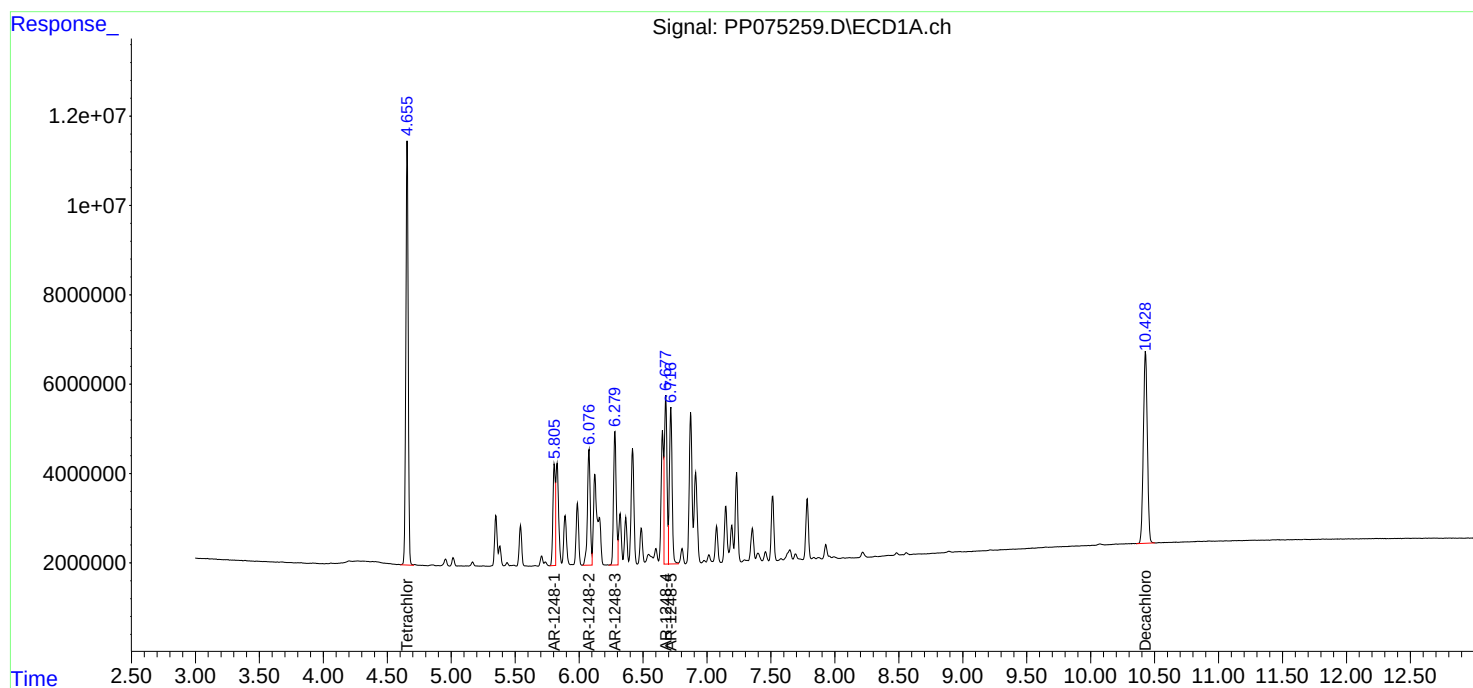
Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:08:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075260.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 12:53
 Operator : YP\AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 14:11:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 14:04:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.658	3.801	96387949	476.3E6	75.324	75.742
2) SA Decachlor...	10.437	8.808	73513004	475.1E6	75.377	74.984
Target Compounds						
21) L5 AR-1248-1	5.810	4.897	23548183	235.7E6	761.091	749.095
22) L5 AR-1248-2	6.081	5.117	31337463	153.7E6	754.496	768.427
23) L5 AR-1248-3	6.284	5.157	35028270	183.3E6	753.951	722.769m
24) L5 AR-1248-4	6.681	5.331	42467941	177.0E6	751.857	757.895
25) L5 AR-1248-5	6.721	5.719	41109339	325.2E6	750.393	747.880

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 12:53
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

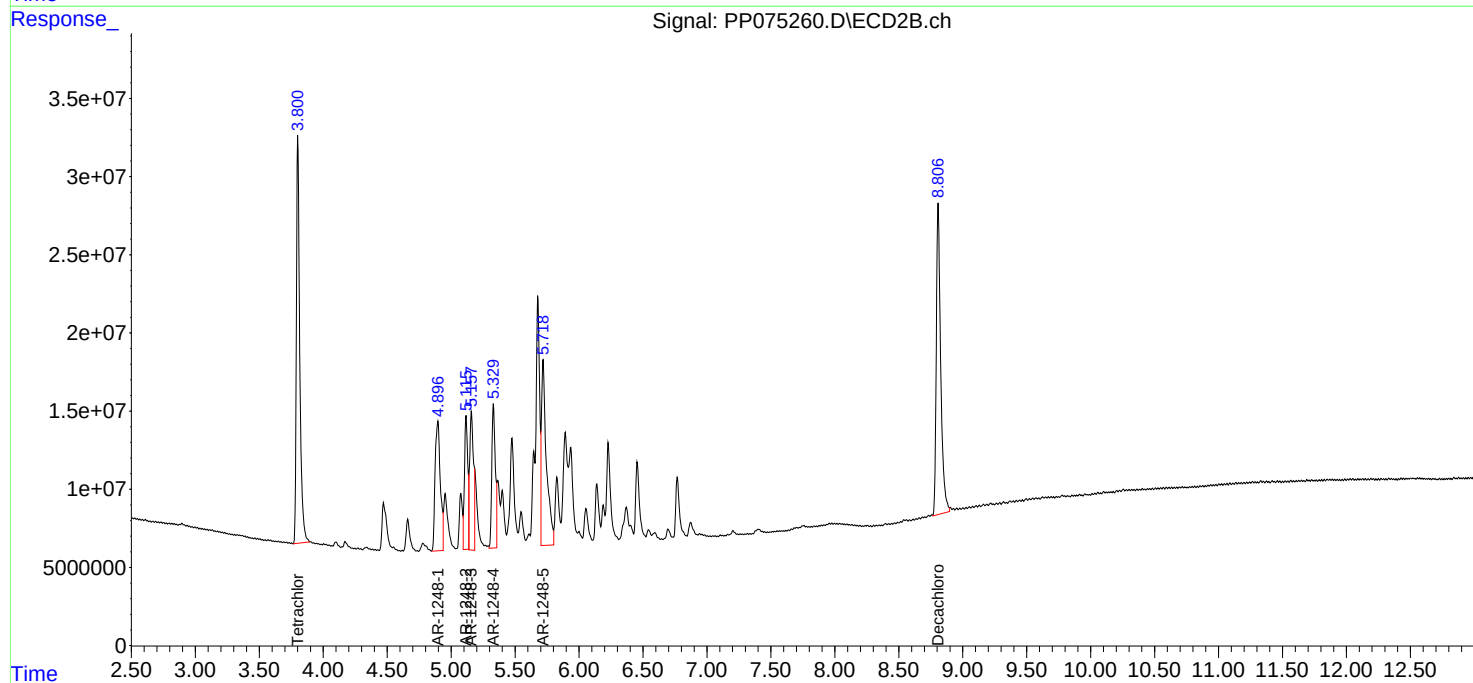
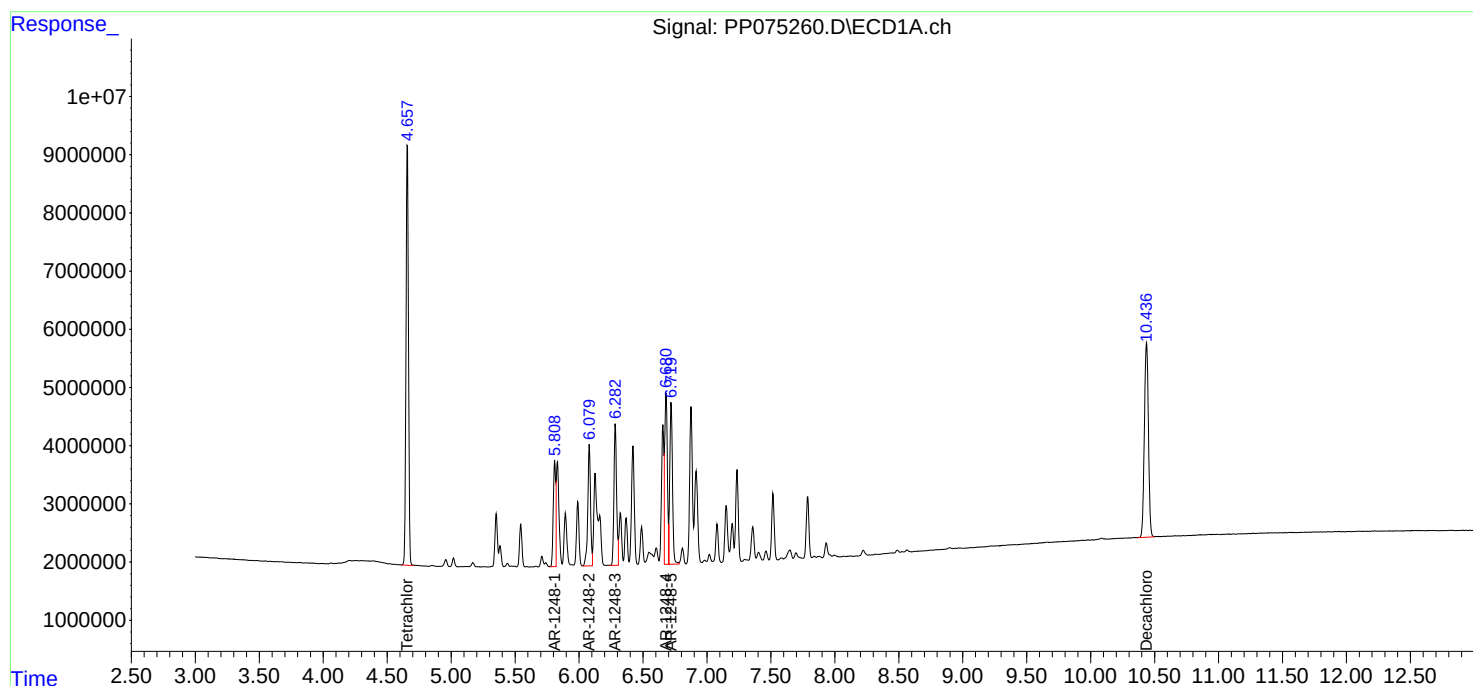
Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:11:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075261.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 13:10
 Operator : YP\AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 14:04:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 14:04:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.796	65927642	308.7E6	50.000	50.000
2) SA Decachlor...	10.439	8.803	50471290	319.6E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.811	4.892	16124985	158.4E6	500.000	500.000
22) L5 AR-1248-2	6.083	5.112	21729896	100.3E6	500.000	500.000
23) L5 AR-1248-3	6.285	5.152	24239118	131.8E6	500.000	515.550m
24) L5 AR-1248-4	6.683	5.325	29633124	115.6E6	500.000	500.000
25) L5 AR-1248-5	6.723	5.714	28835751	226.7E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075261.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:10
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

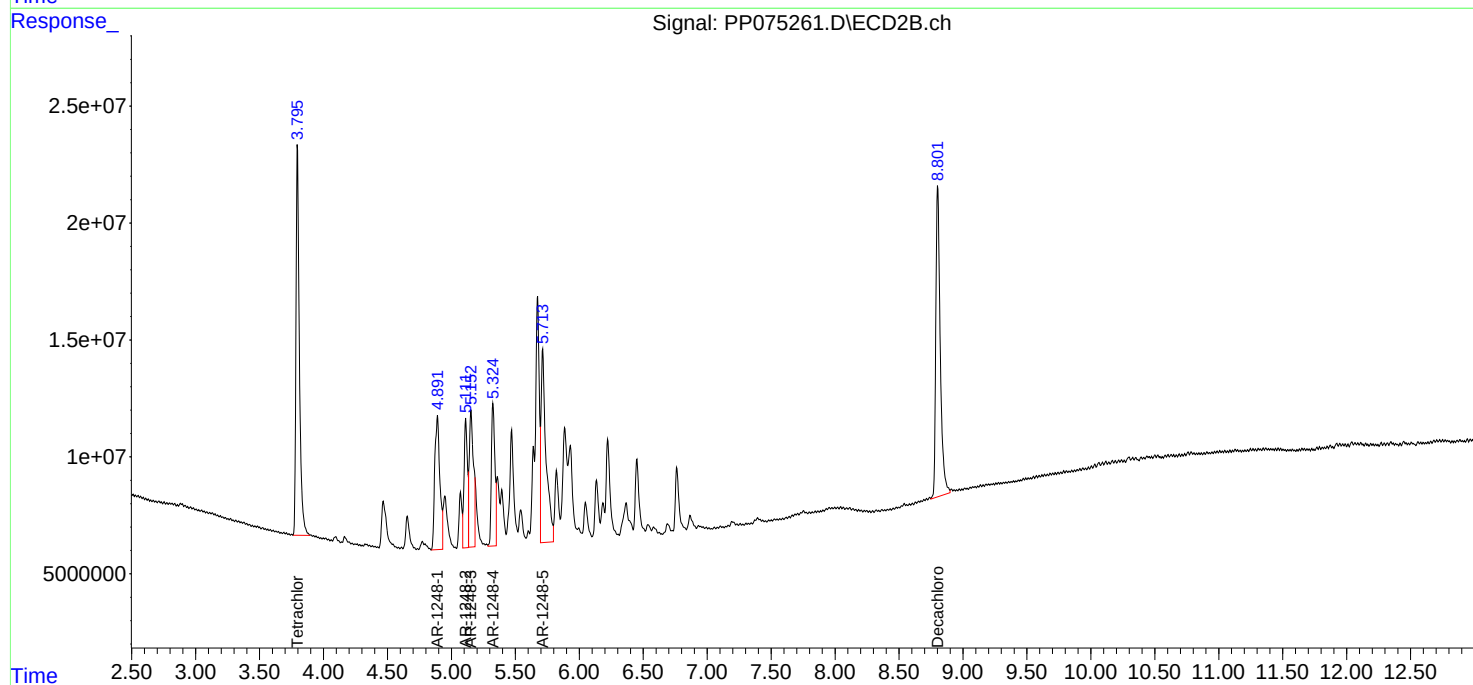
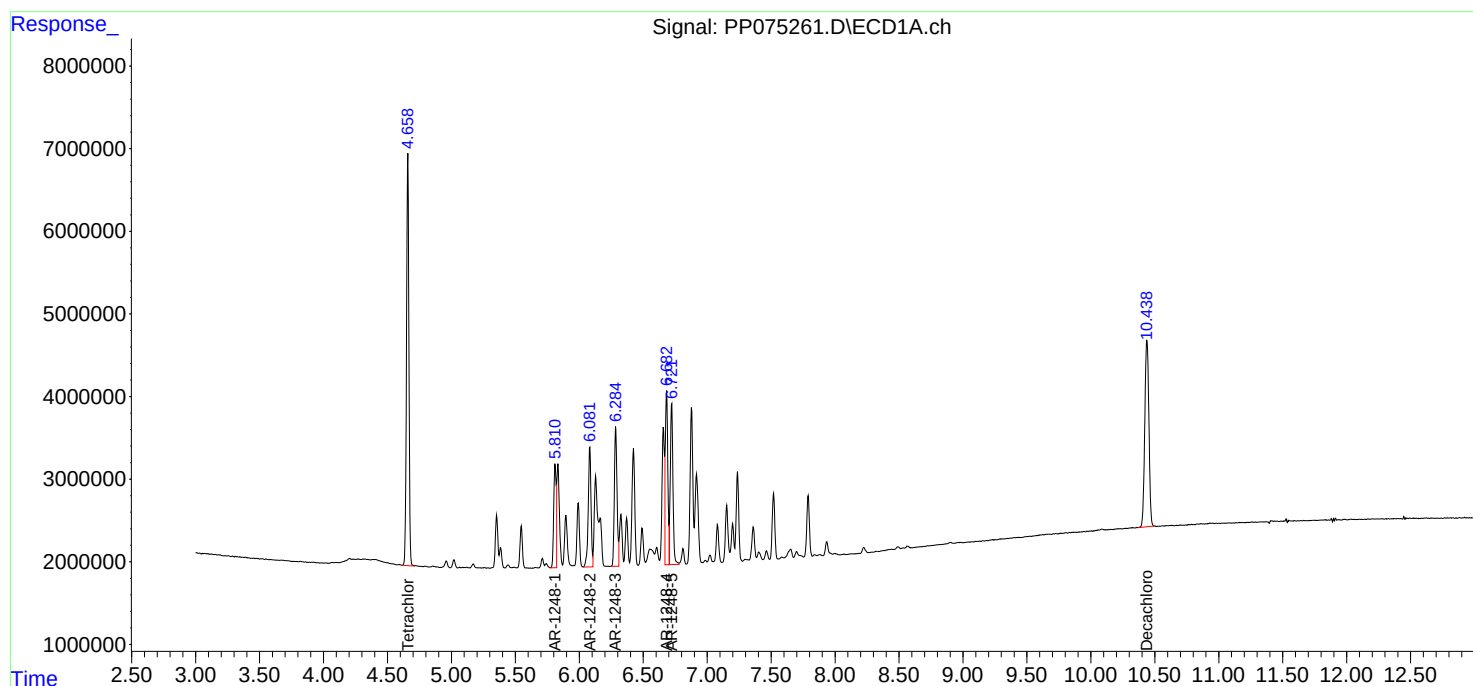
Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075262.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 13:26
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 14:14:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 14:04:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.657	3.801	33217069	138.8E6	25.712	22.741
2) SA Decachlor...	10.437	8.806	25462185	150.8E6	25.822	24.087
Target Compounds						
21) L5 AR-1248-1	5.809	4.895	8438835	78304958	266.682	249.137
22) L5 AR-1248-2	6.080	5.116	11269776	51510660	265.668	255.596
23) L5 AR-1248-3	6.282	5.157	12543499	64693904	264.697	262.977m
24) L5 AR-1248-4	6.681	5.329	15335475	57505517	265.786	247.159
25) L5 AR-1248-5	6.720	5.719	15386978	109.3E6	272.457	250.932

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075262.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:26
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

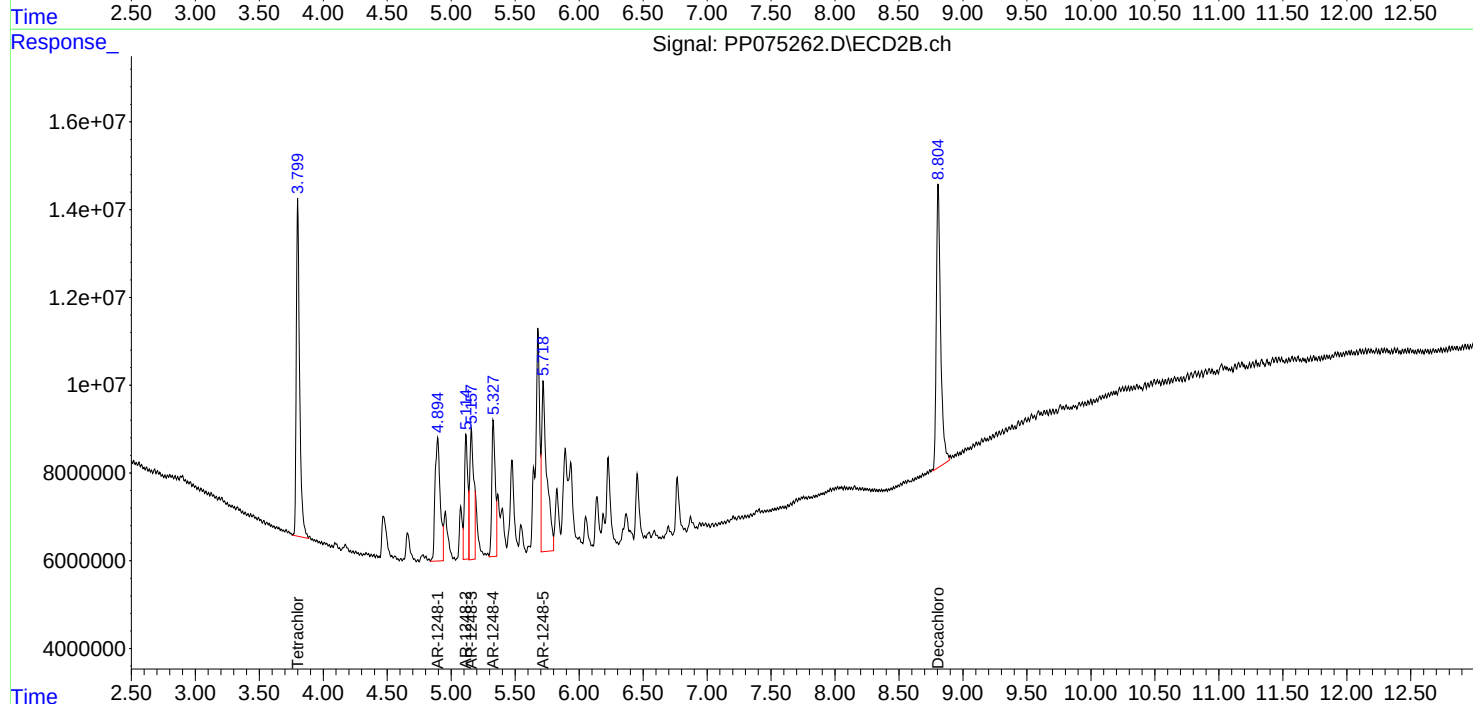
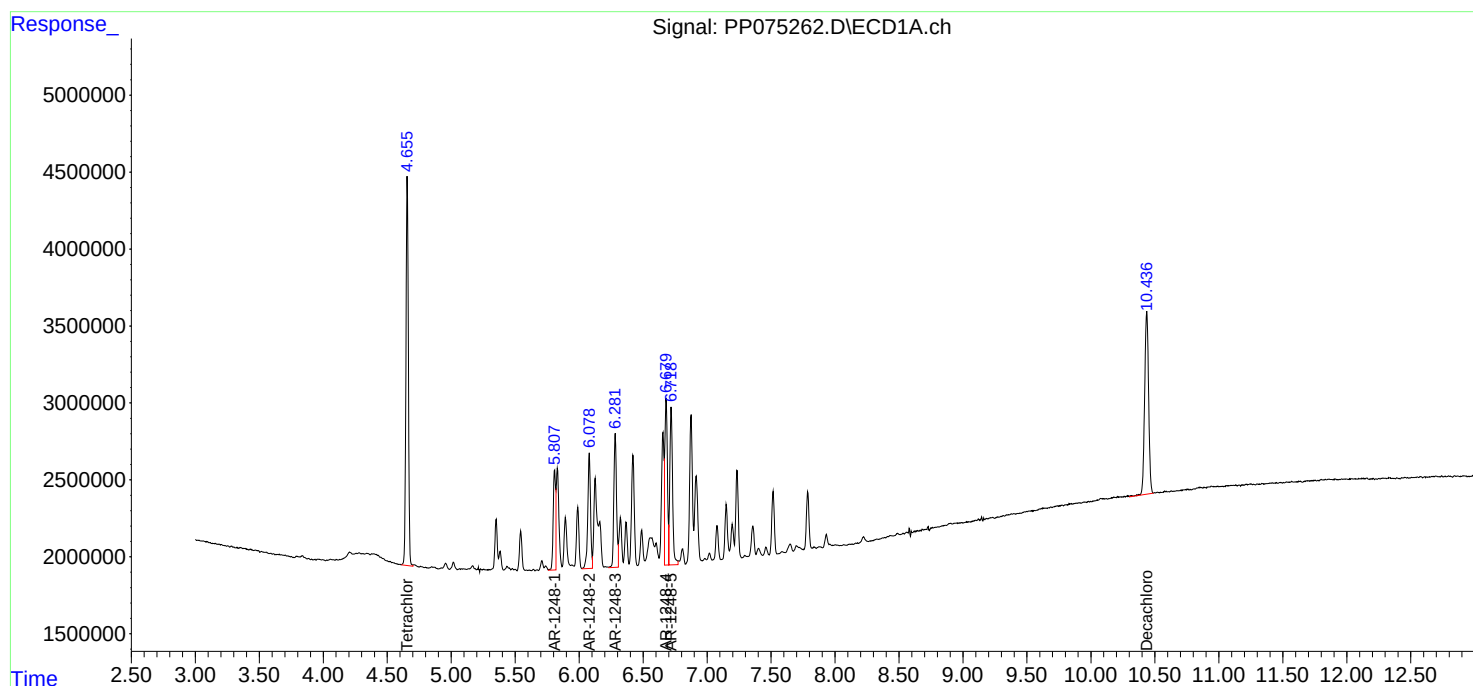
Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:14:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075263.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 13:42
 Operator : YP\AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 14:19:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 14:04:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.655	3.797	6566364	21995820	5.074m	3.816
2) SA Decachlor...	10.437	8.804	4912073	26887807	4.985	4.420
Target Compounds						
21) L5 AR-1248-1	5.809	4.897	1561167	12255520	49.467	40.788
22) L5 AR-1248-2	6.080	5.114	2357910	10313506	54.370	50.936
23) L5 AR-1248-3	6.282	5.154	2462035	12158074	51.552	45.736m
24) L5 AR-1248-4	6.681	5.326	3238253	11652585	54.782	50.066
25) L5 AR-1248-5	6.719	5.728	3479899	15059630	59.114m	36.859 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075263.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 13:42
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

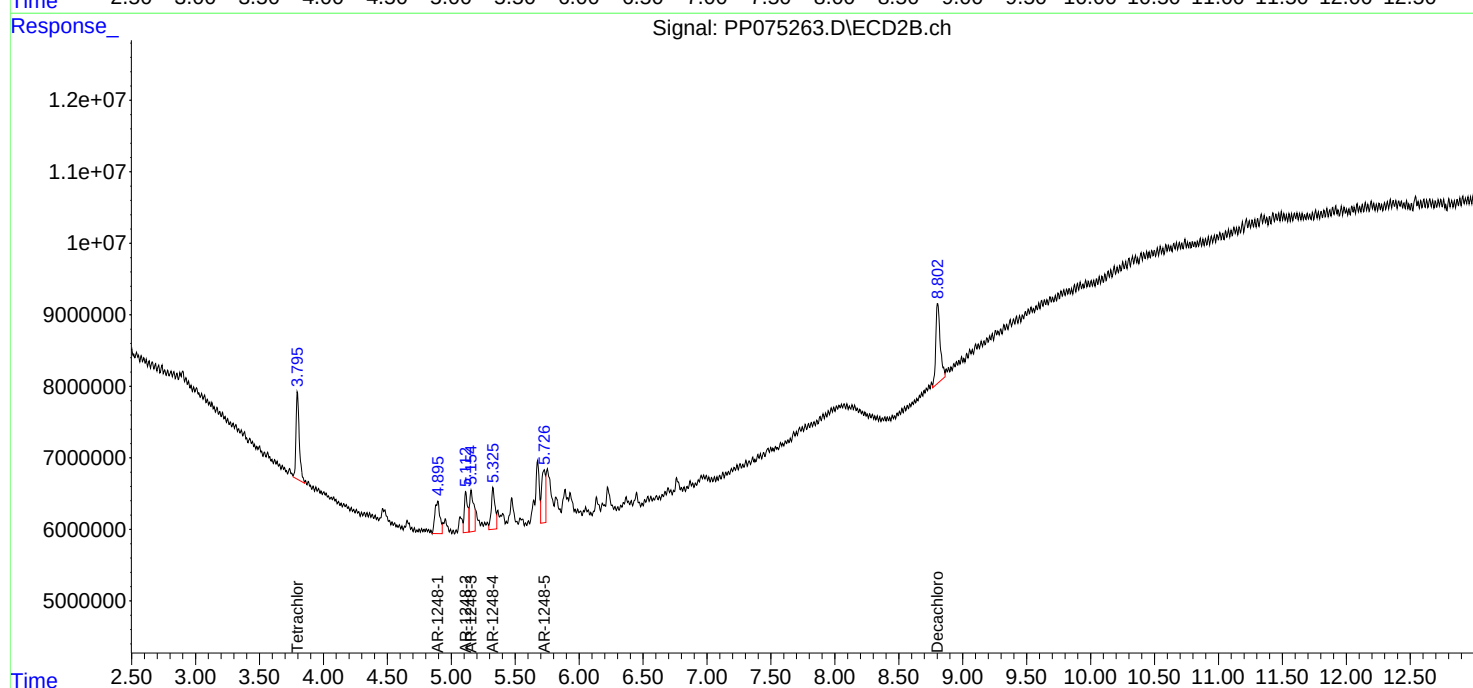
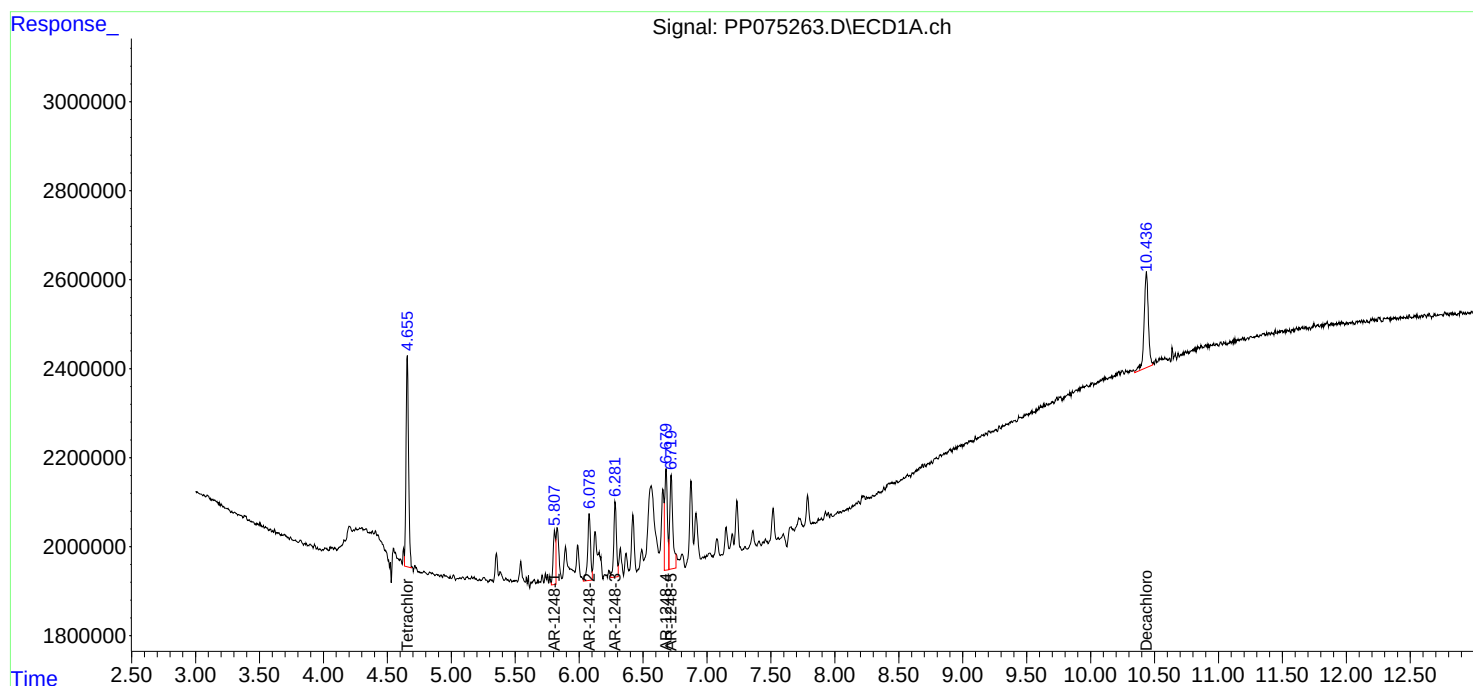
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:19:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 14:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075264.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 14:15
 Operator : YP\AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC1000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 15:27:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 15:25:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.799	124.3E6	624.1E6	96.412	98.637
2) SA Decachlor...	10.440	8.805	94019612	623.8E6	94.956	97.883
Target Compounds						
26) L6 AR-1254-1	6.659	5.678	61475917	503.0E6	968.019m	971.997
27) L6 AR-1254-2	6.876	5.825	77552440	378.2E6	944.080	972.887
28) L6 AR-1254-3	7.238	6.227	82845377	715.2E6	946.428	997.656
29) L6 AR-1254-4	7.520	6.453	64880438	505.6E6	943.395	962.588
30) L6 AR-1254-5	7.936	6.870	77310574	551.8E6	947.519	921.721

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:15
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

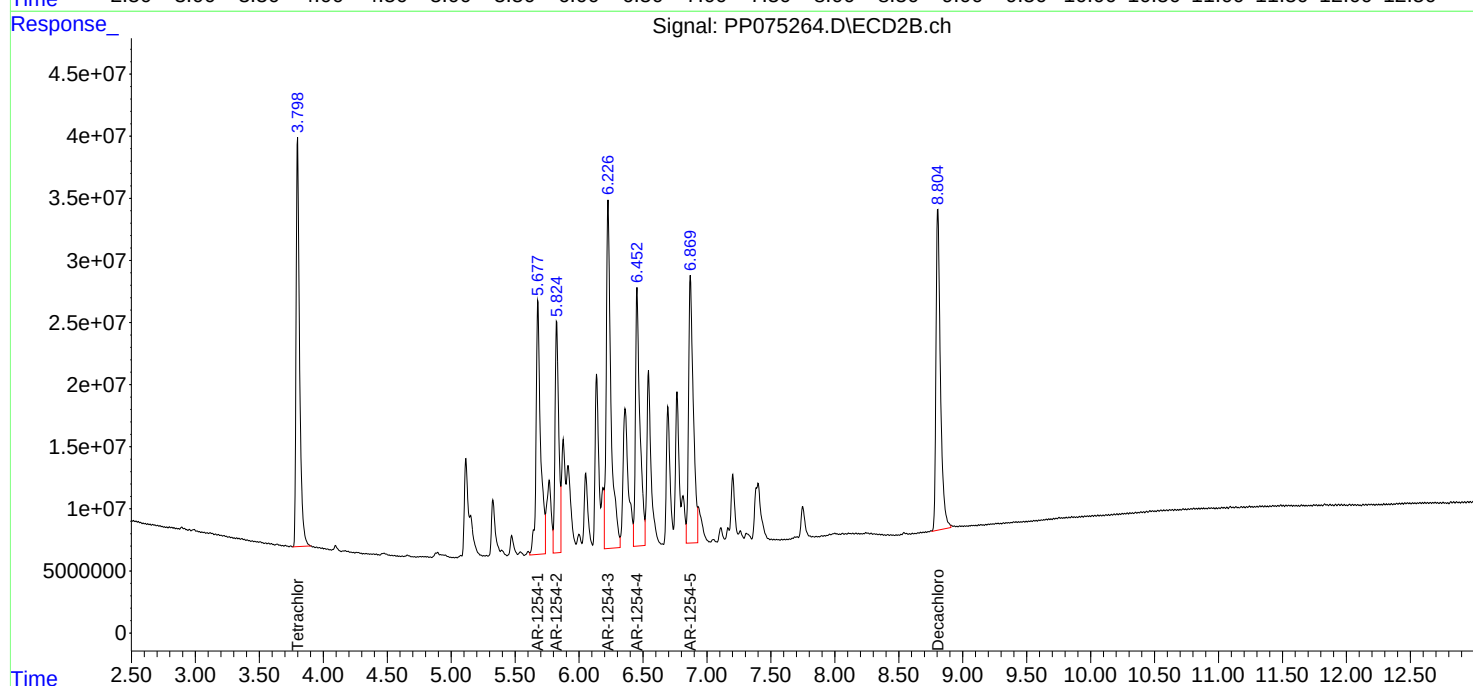
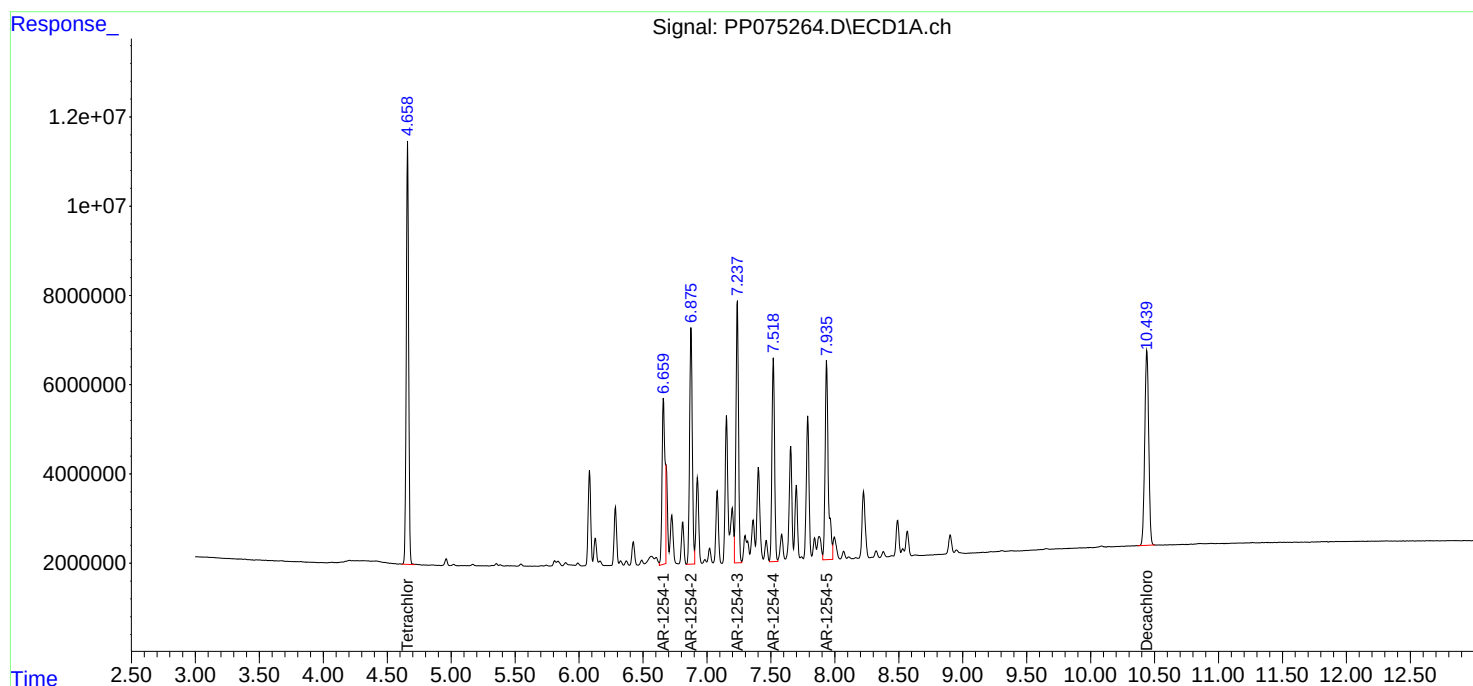
Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:27:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075265.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 14:31
 Operator : YP\AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 15:30:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 15:25:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.656	3.799	97801585	485.2E6	75.559	76.113
2) SA Decachlor...	10.437	8.806	74646283	470.9E6	75.259	74.263
Target Compounds						
26) L6 AR-1254-1	6.656	5.678	47050728	401.3E6	729.090m	766.735
27) L6 AR-1254-2	6.873	5.825	61746016	302.7E6	751.107	768.826
28) L6 AR-1254-3	7.235	6.227	65961946	542.1E6	752.364	754.081
29) L6 AR-1254-4	7.517	6.454	51519817	403.9E6	749.416	762.571
30) L6 AR-1254-5	7.933	6.871	61456126	473.6E6	752.135	776.903

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:31
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

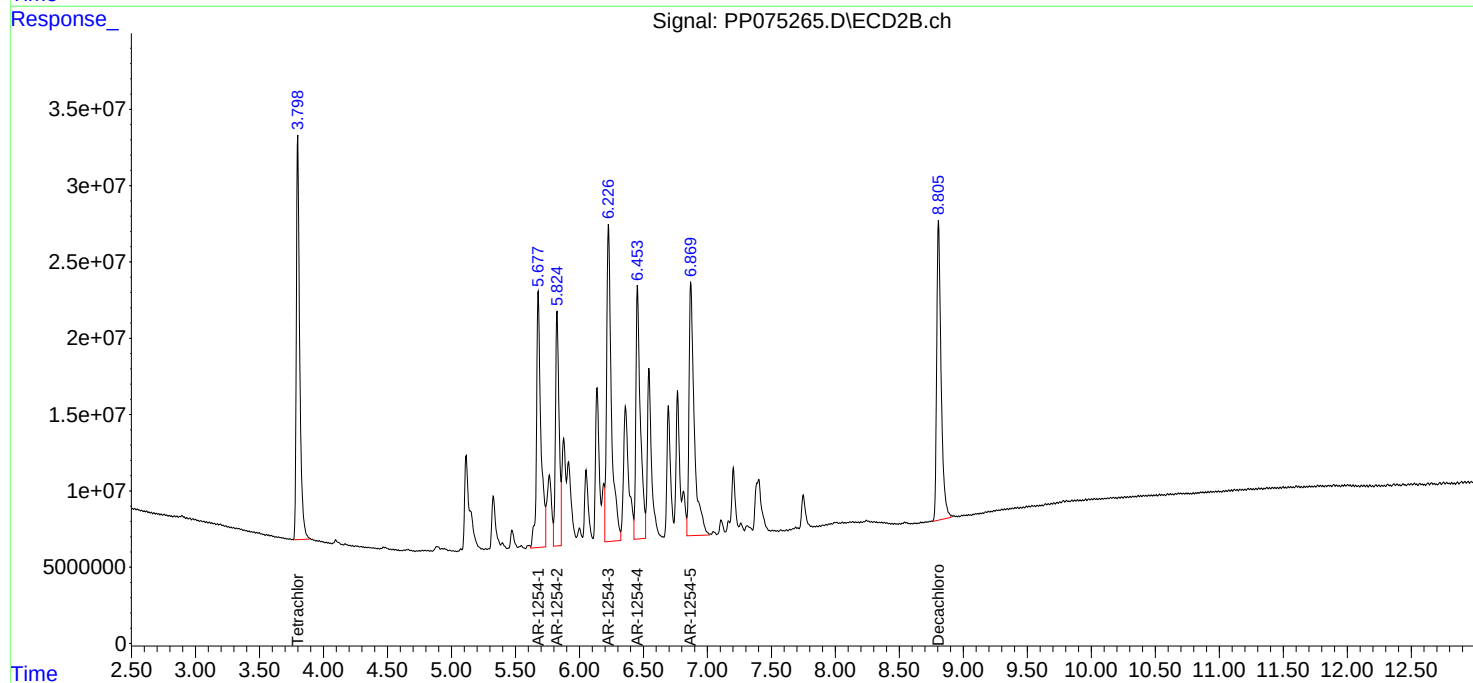
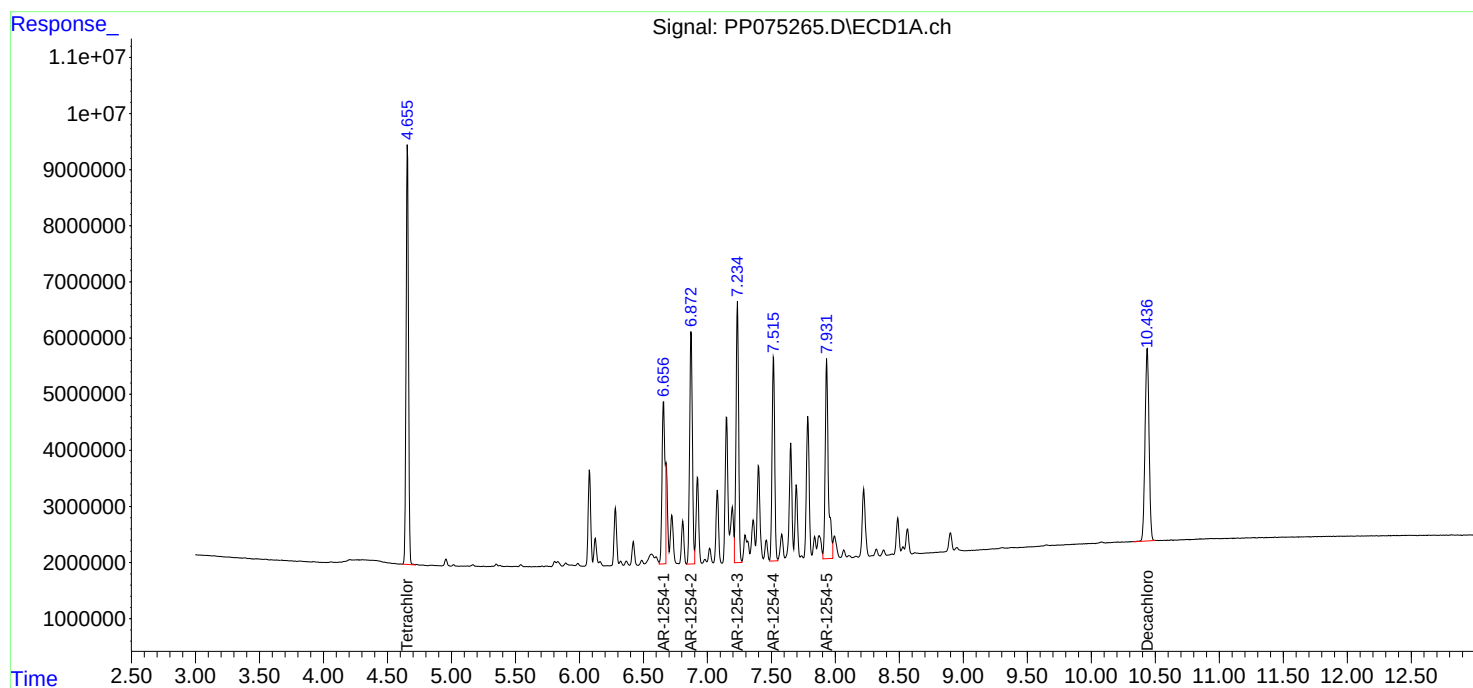
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:30:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075266.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 14:47
 Operator : YP\AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 15:14:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 15:13:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.799	66790785	320.7E6	50.000	50.000
2) SA Decachlor...	10.441	8.806	52004273	325.4E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.659	5.679	32993341	266.0E6	519.163m	500.000
27) L6 AR-1254-2	6.876	5.826	43369825	199.7E6	500.000	500.000
28) L6 AR-1254-3	7.238	6.228	46112134	359.3E6	500.000	500.000
29) L6 AR-1254-4	7.520	6.455	36333103	272.5E6	500.000	500.000
30) L6 AR-1254-5	7.936	6.871	42937319	322.8E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 14:47
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

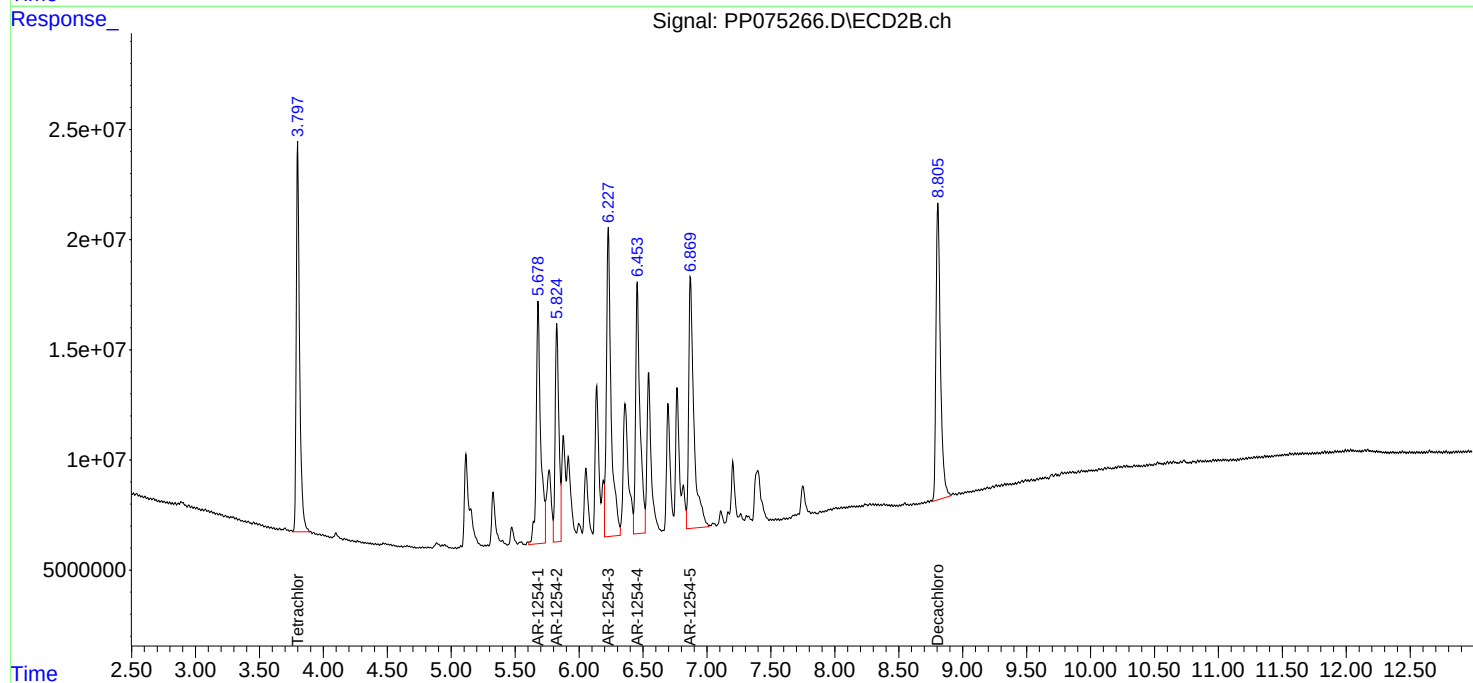
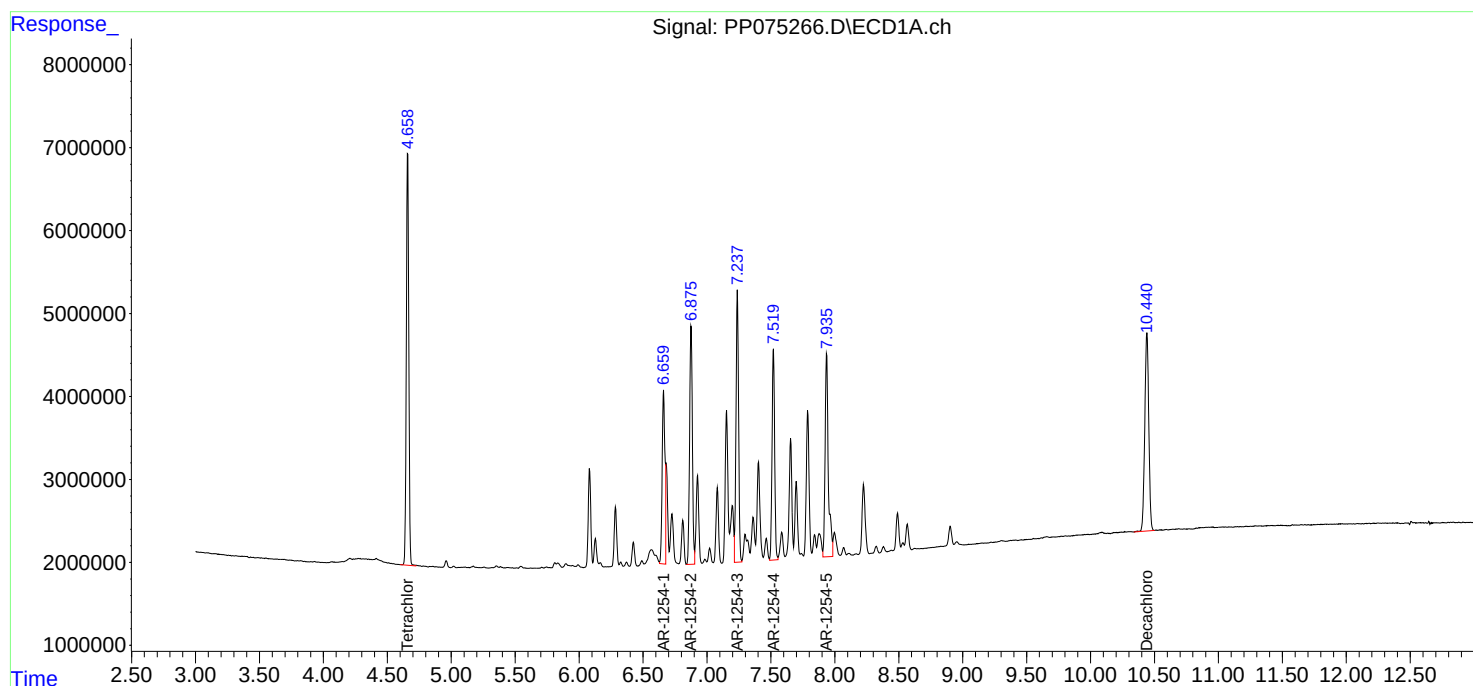
Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:14:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:13:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075267.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 15:04
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 15:34:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 15:25:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.659	3.798	33173271	137.6E6	25.469	22.344
2) SA Decachlor...	10.440	8.806	25068322	153.9E6	25.205	24.451
Target Compounds						
26) L6 AR-1254-1	6.658	5.678	15749633	130.5E6	242.688m	249.504
27) L6 AR-1254-2	6.875	5.825	22036705	98058544	263.308	249.301
28) L6 AR-1254-3	7.238	6.227	23518741	165.6E6	263.446	234.968
29) L6 AR-1254-4	7.519	6.453	18117404	123.1E6	260.019	236.508
30) L6 AR-1254-5	7.935	6.870	21487152	144.6E6	259.604	240.237

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:04
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

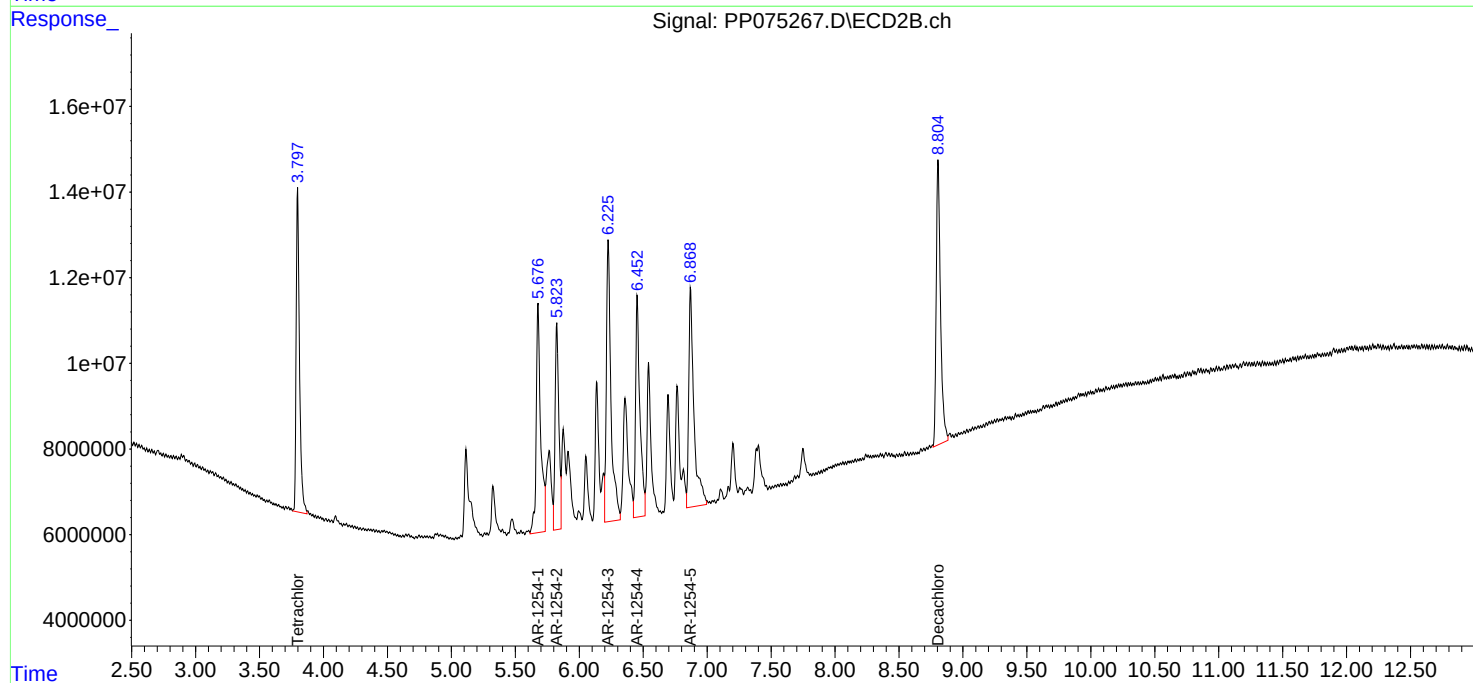
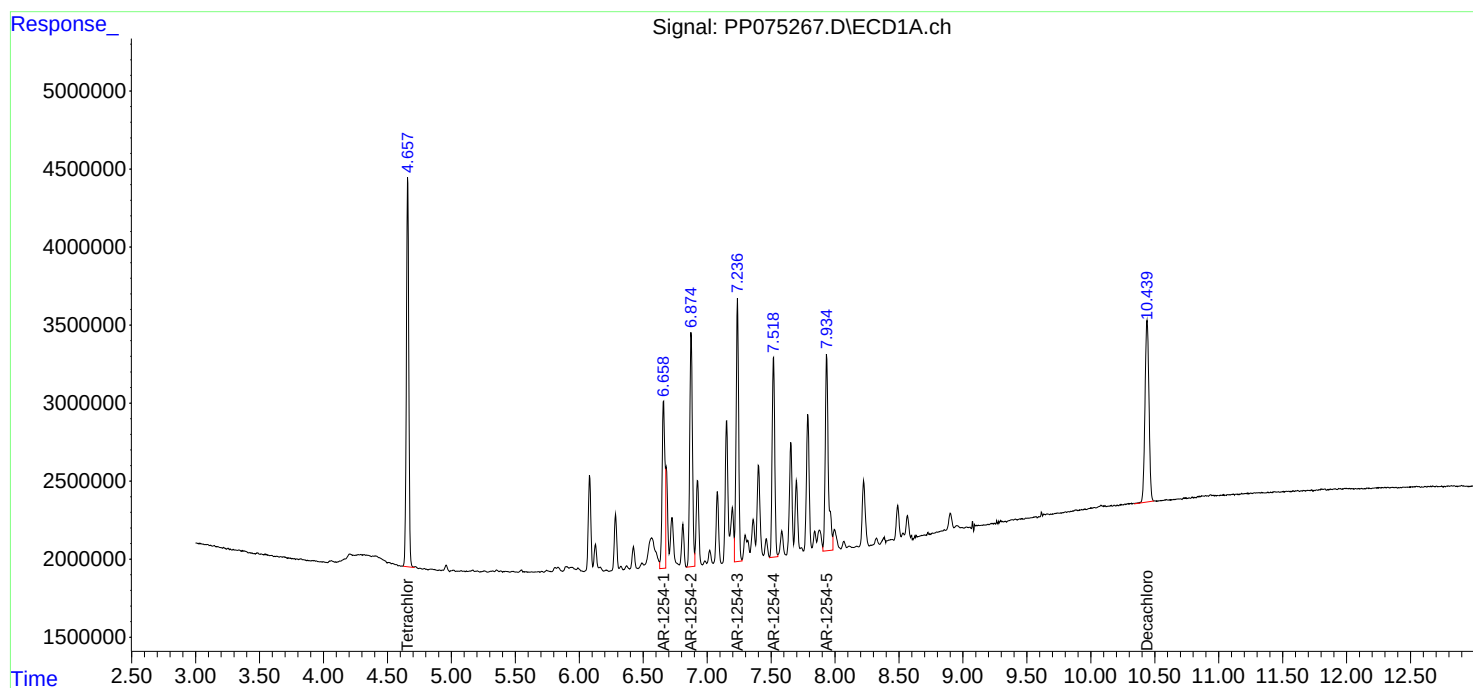
Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:34:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:25:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075268.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 15:20
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 15:51:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 15:51:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.655	3.799	6696765	22881590	5.113	3.918
2) SA Decachlor...	10.433	8.807	4781103	27052038	4.845	4.421
Target Compounds						
26) L6 AR-1254-1	6.655	5.680	3396225	20102889	52.688m	40.302
27) L6 AR-1254-2	6.872	5.827	4745100	21129184	55.218	52.931
28) L6 AR-1254-3	7.234	6.228	5250883	25236892	56.814	37.966 #
29) L6 AR-1254-4	7.516	6.453	3901845	19340151	54.687	39.178 #
30) L6 AR-1254-5	7.932	6.871	3898066	22310596	47.649	39.094

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:20
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

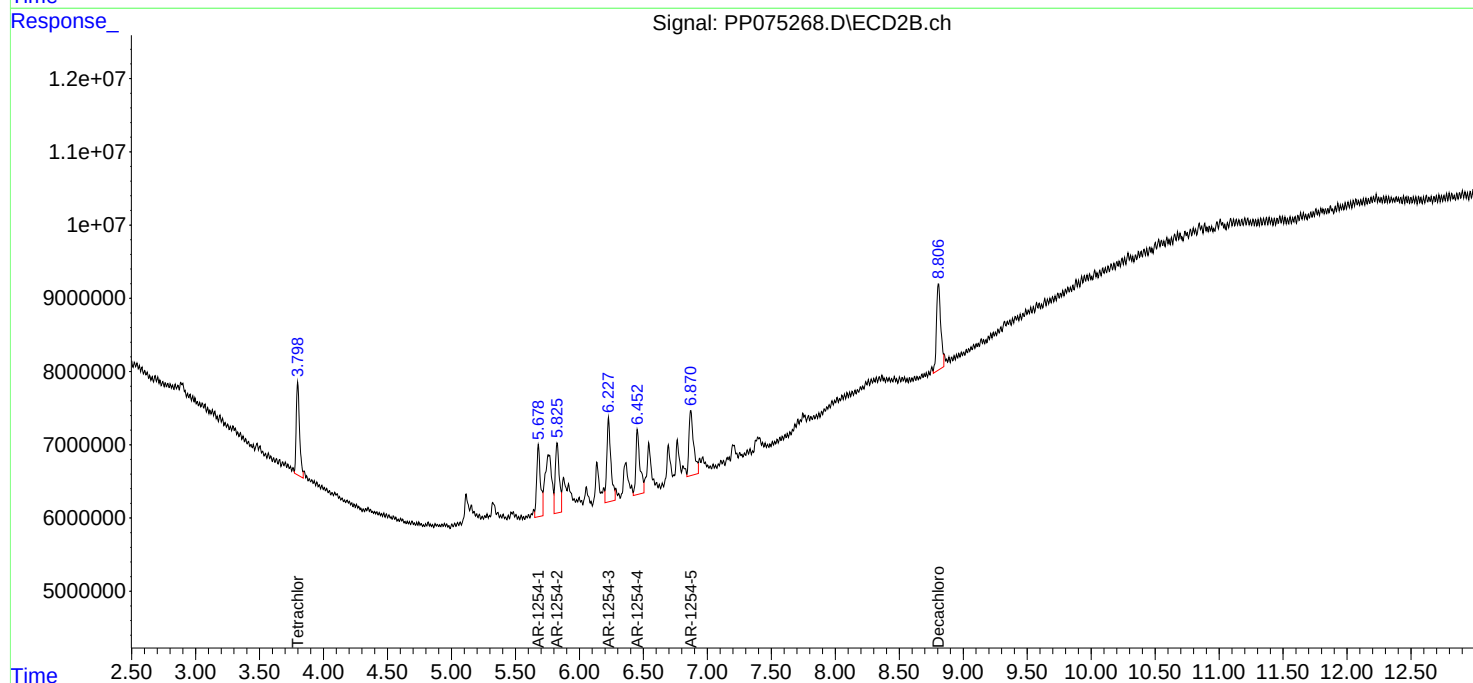
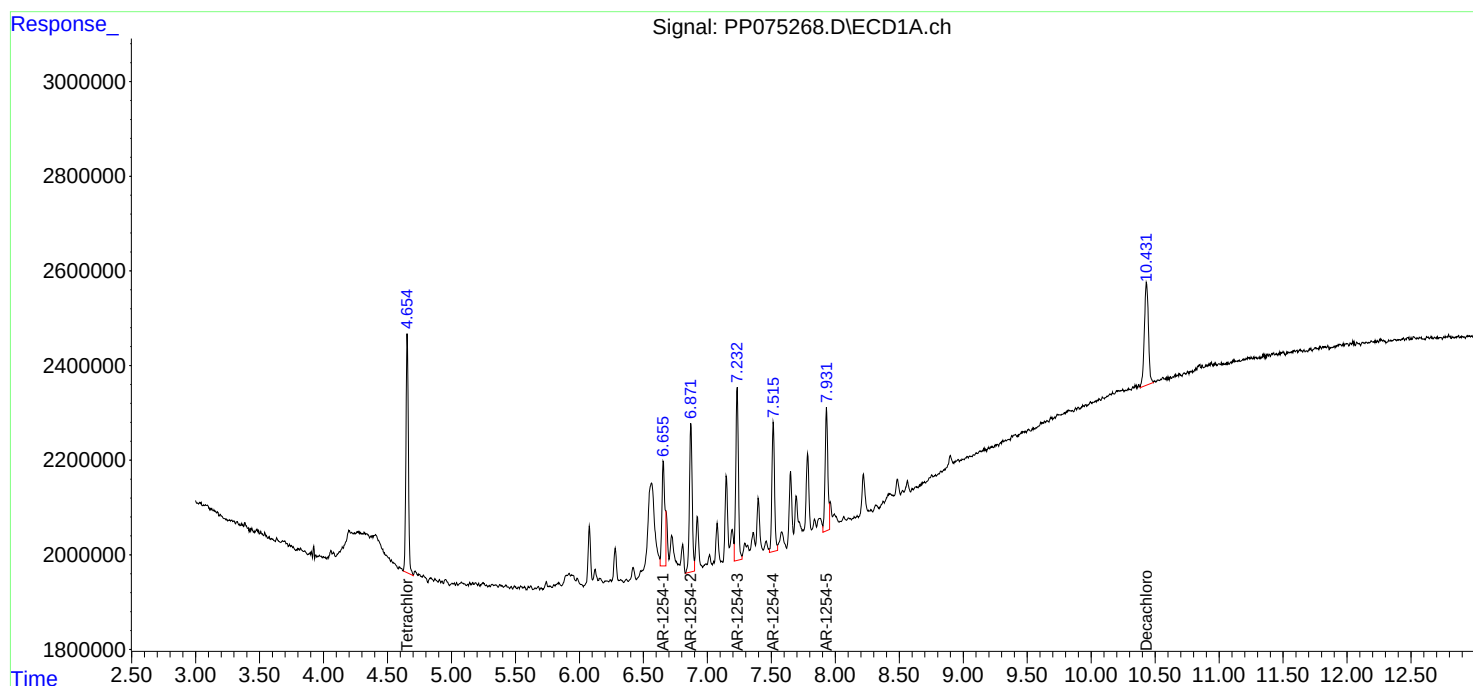
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:51:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 15:51:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075269.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 15:52
 Operator : YP\AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 16:11:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 16:09:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.659	3.800	64525262	296.7E6	50.000	50.000
2) SA Decachlor...	10.443	8.807	49716283	321.5E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	8.243	6.909	37977598	395.6E6	500.000	500.000
37) L8 AR-1262-2	8.569	7.168	67680488	276.2E6	500.000	500.000
38) L8 AR-1262-3	8.895	7.690	46725485	250.0E6	500.000	500.000
39) L8 AR-1262-4	8.984	7.753	36118617	454.0E6	500.000	500.000
40) L8 AR-1262-5	9.656	8.247	26067736	215.0E6	500.000	500.000

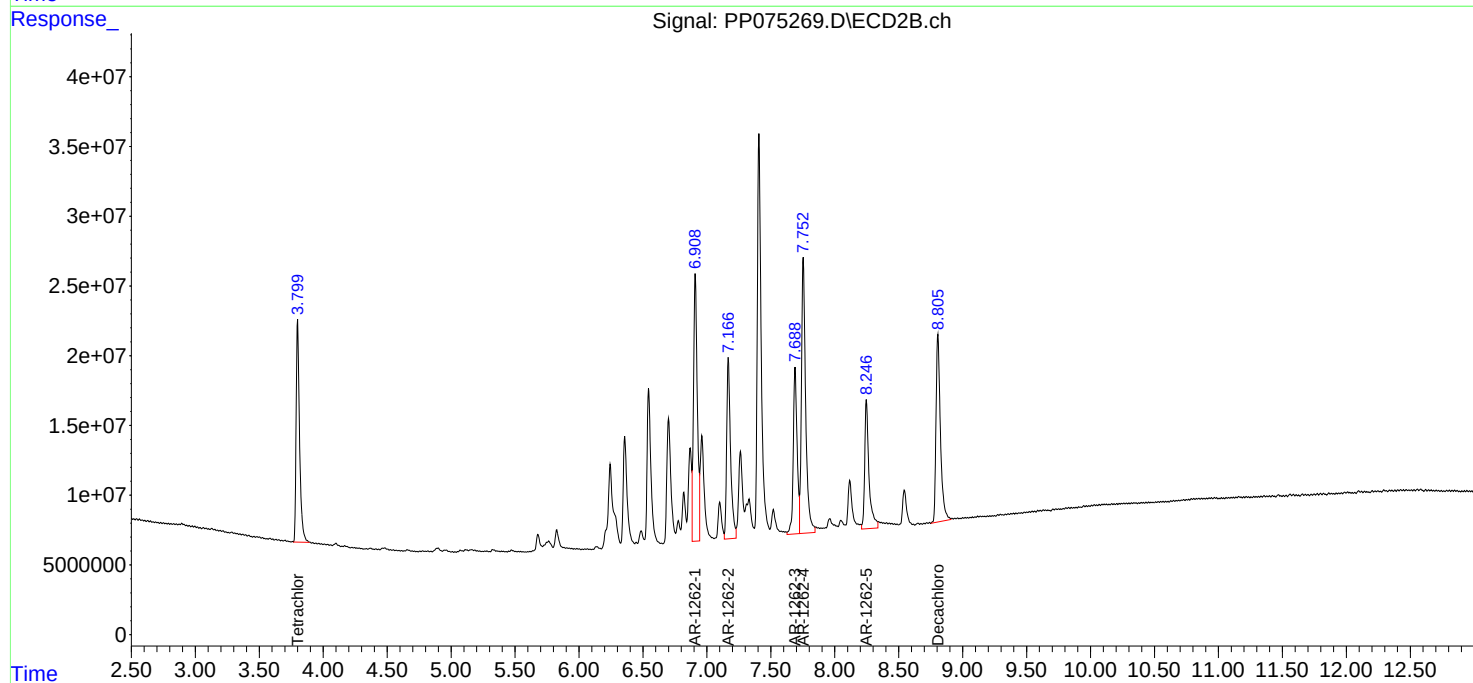
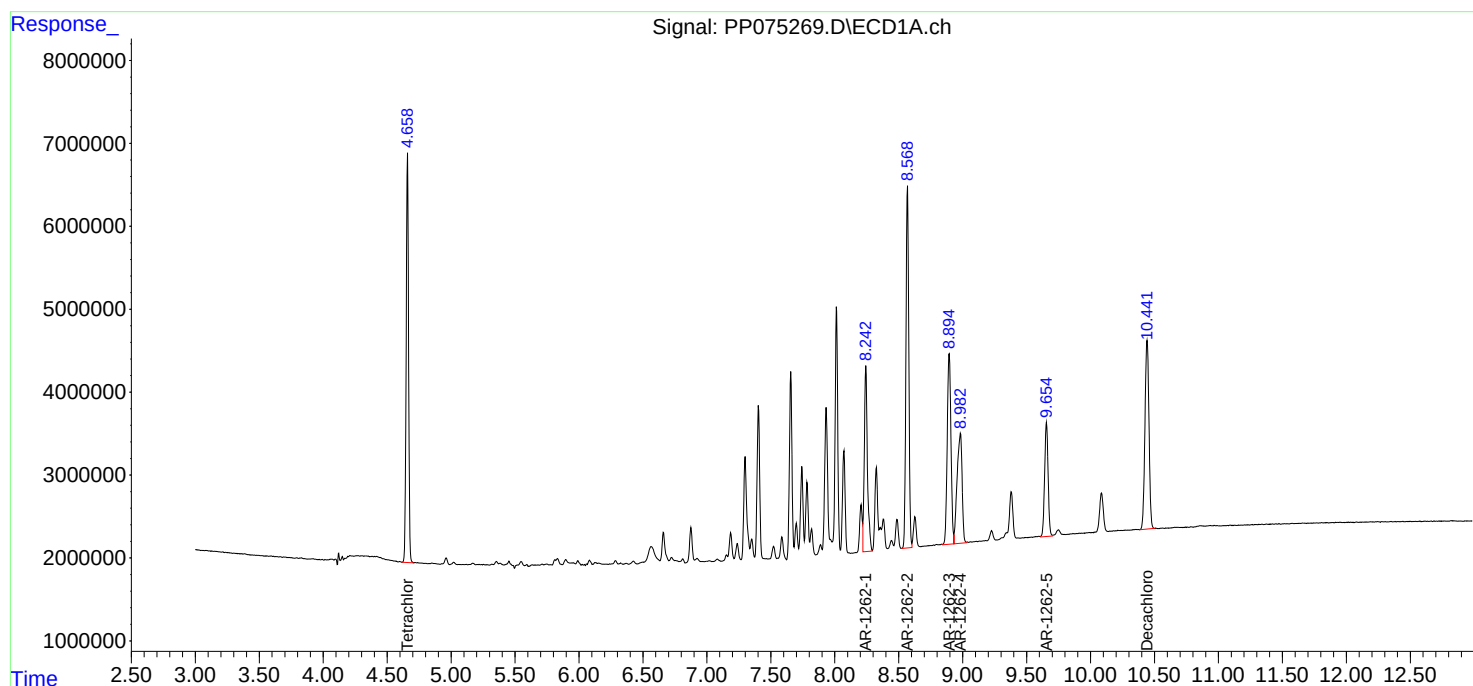
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 15:52
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 16:11:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:09:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075270.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 16:09
 Operator : YP\AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 17:03:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 16:59:51 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.659	3.799	127.9E6	656.7E6	95.826	99.444
2) SA Decachlor...	10.442	8.807	165.7E6	1209.5E6	94.811	99.431
Target Compounds						
41) L9 AR-1268-1	8.890	7.690	152.9E6	1460.2E6	949.456	967.154
42) L9 AR-1268-2	8.986	7.754	141.1E6	1471.7E6	950.525	983.689
43) L9 AR-1268-3	9.226	7.961	118.9E6	1142.5E6	951.307	977.313
44) L9 AR-1268-4	9.655	8.247	55874289	470.5E6	948.208	987.003
45) L9 AR-1268-5	10.086	8.545	373.7E6	3043.3E6	957.165	962.827

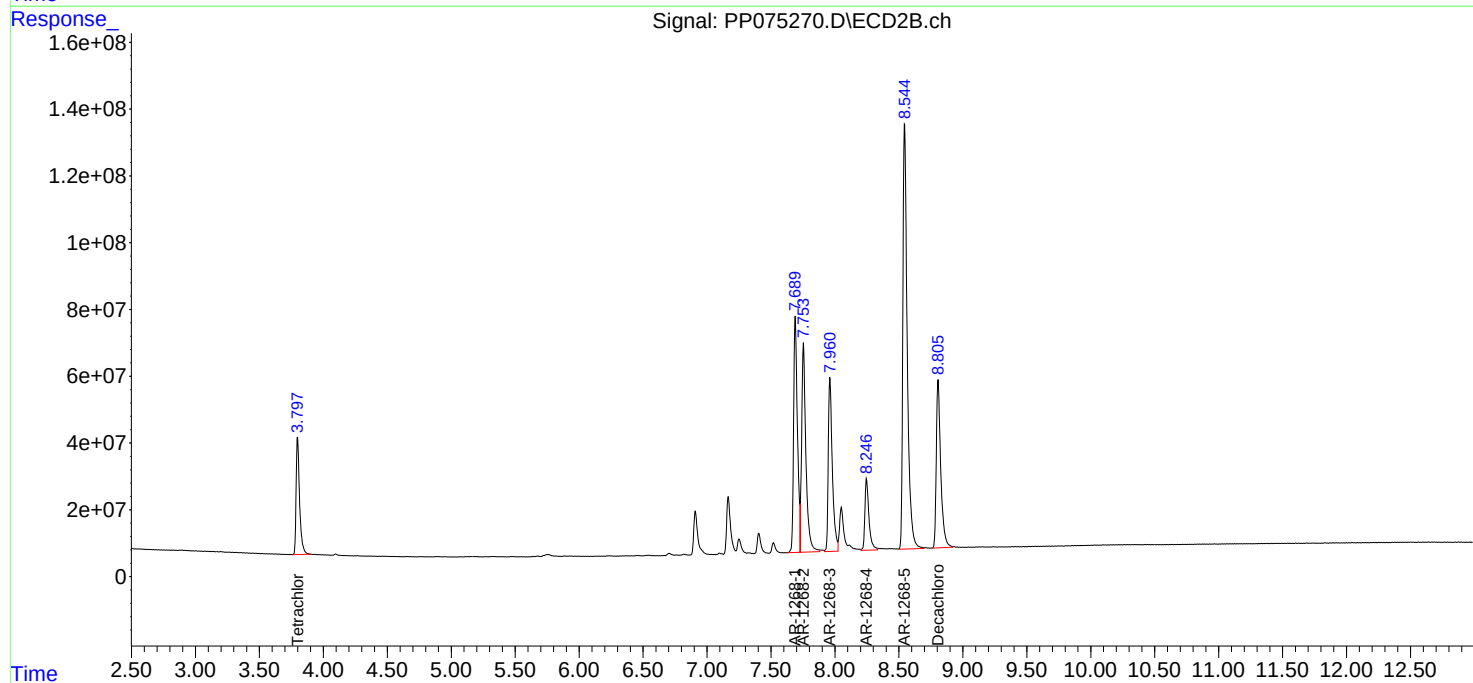
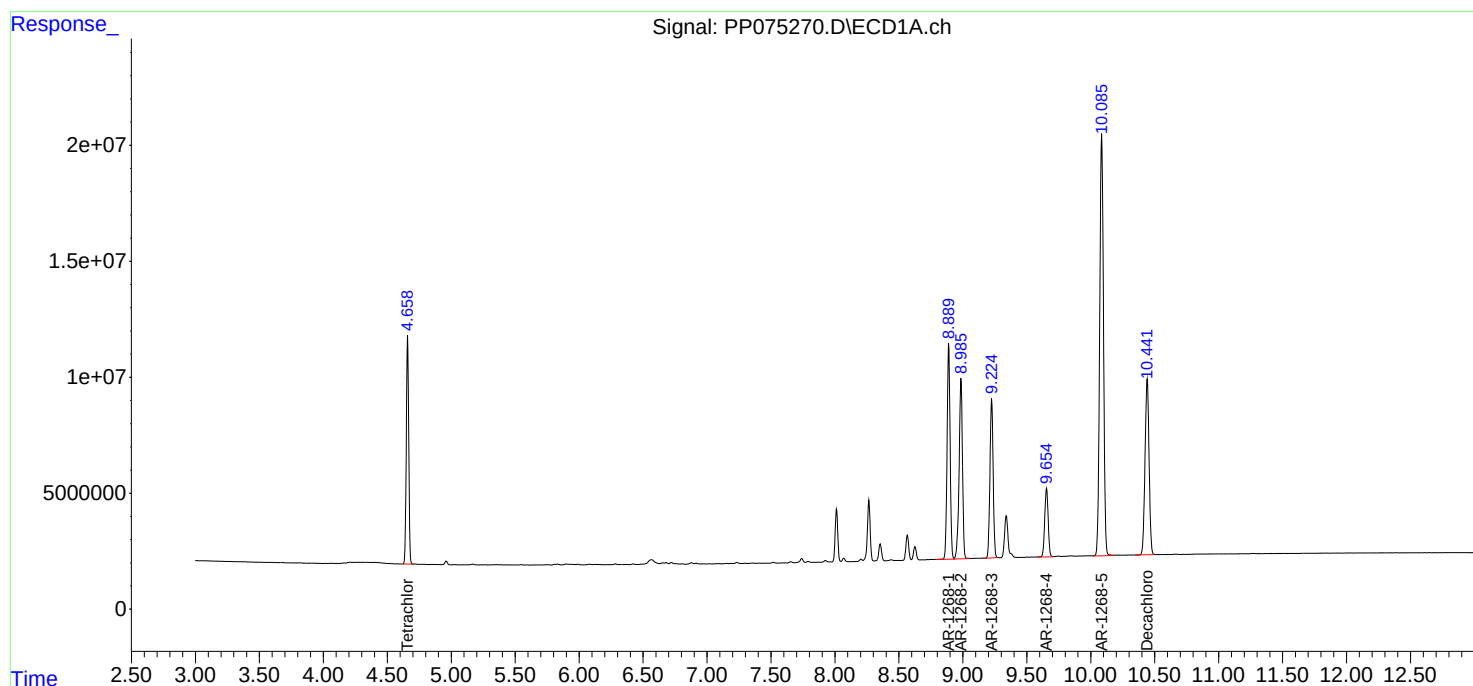
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:09
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075271.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 16:25
 Operator : YP\AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 17:05:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 16:59:51 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.799	100.1E6	497.2E6	74.976	75.187
2) SA Decachlor...	10.442	8.807	130.2E6	914.1E6	74.643	75.099
Target Compounds						
41) L9 AR-1268-1	8.892	7.690	119.8E6	1135.3E6	745.861	751.304
42) L9 AR-1268-2	8.988	7.754	110.2E6	1125.2E6	744.931	751.391
43) L9 AR-1268-3	9.228	7.962	92608920	865.0E6	743.998	743.275
44) L9 AR-1268-4	9.656	8.248	43848213	354.7E6	746.070	746.016
45) L9 AR-1268-5	10.088	8.546	291.3E6	2388.6E6	747.392	753.776

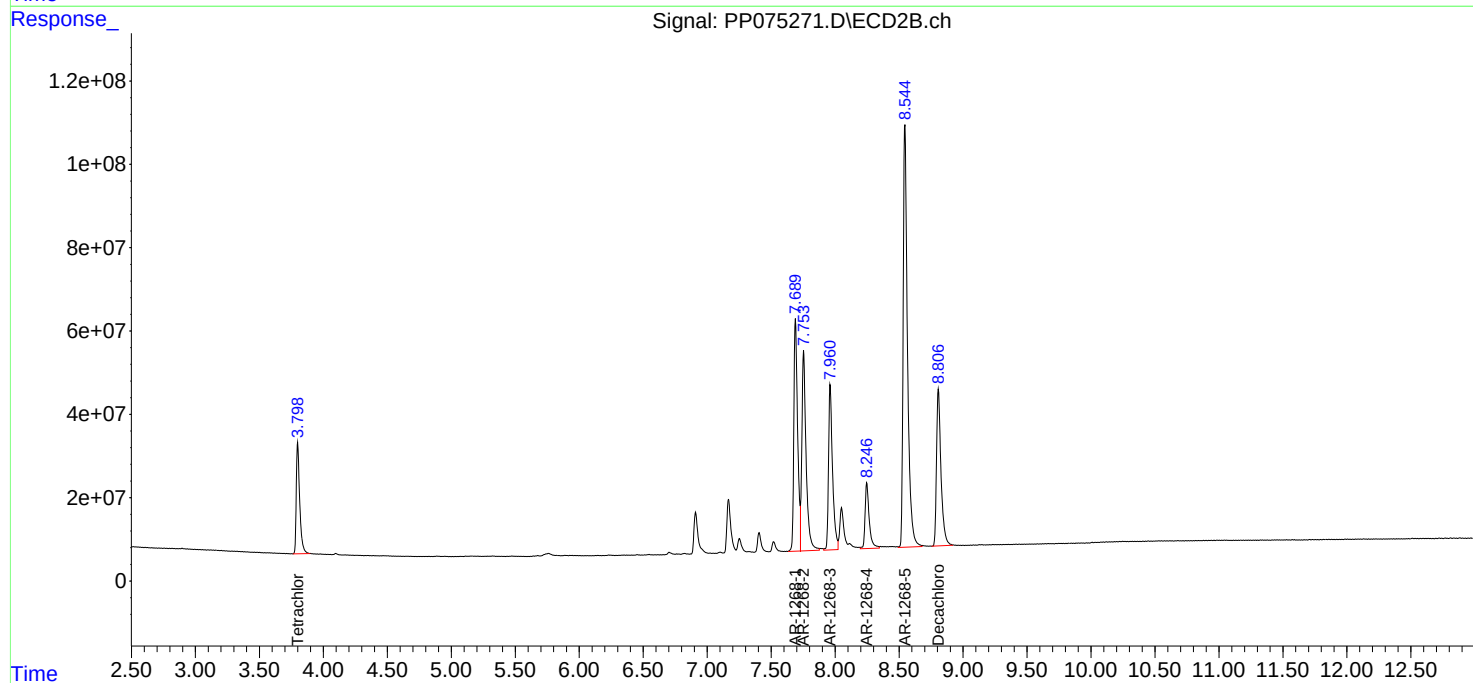
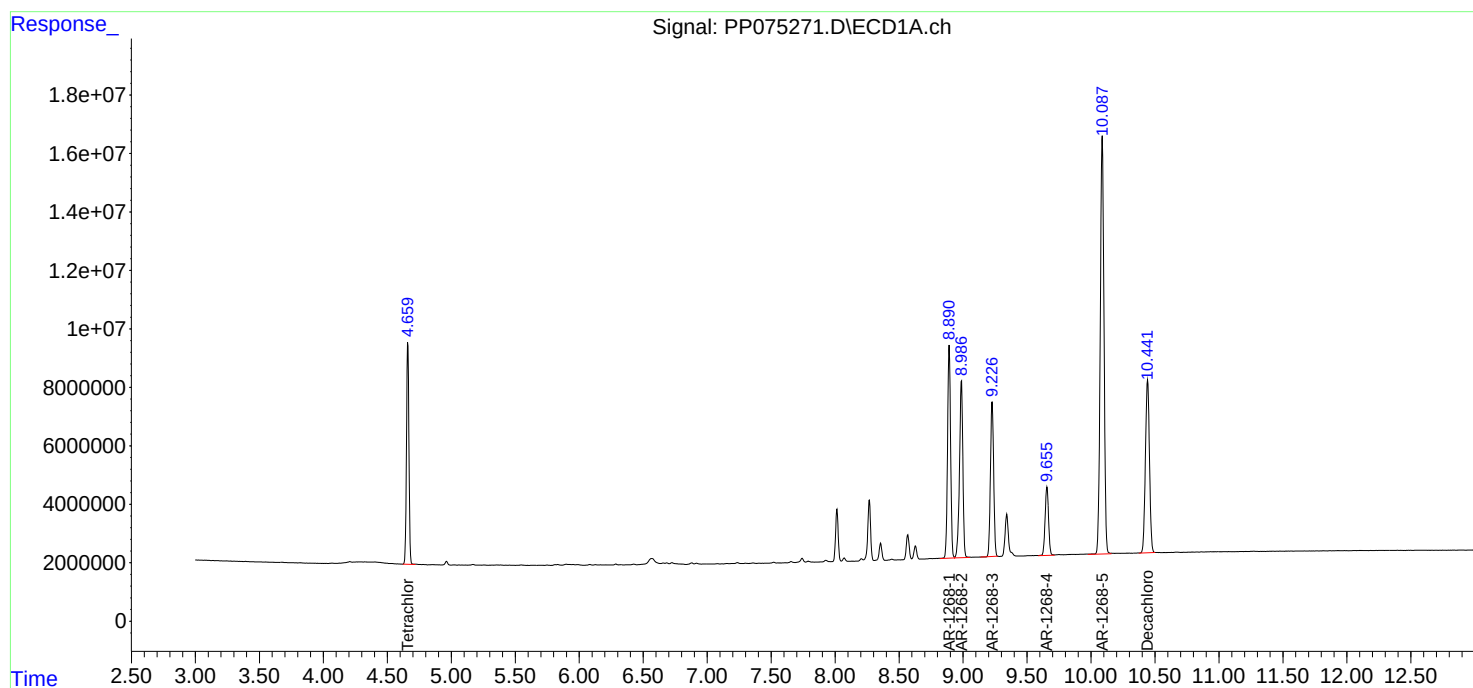
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:25
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:05:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075272.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 16:41
 Operator : YP\AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 17:00:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 16:59:51 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.799	69528834	332.0E6	50.000	50.000
2) SA Decachlor...	10.443	8.806	91941579	611.7E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.891	7.689	84580336	779.7E6	500.000	500.000
42) L9 AR-1268-2	8.987	7.753	77912875	760.2E6	500.000	500.000
43) L9 AR-1268-3	9.228	7.960	65529058	597.8E6	500.000	500.000
44) L9 AR-1268-4	9.655	8.246	30989057	241.5E6	500.000	500.000
45) L9 AR-1268-5	10.087	8.545	203.6E6	1639.2E6	500.000	500.000

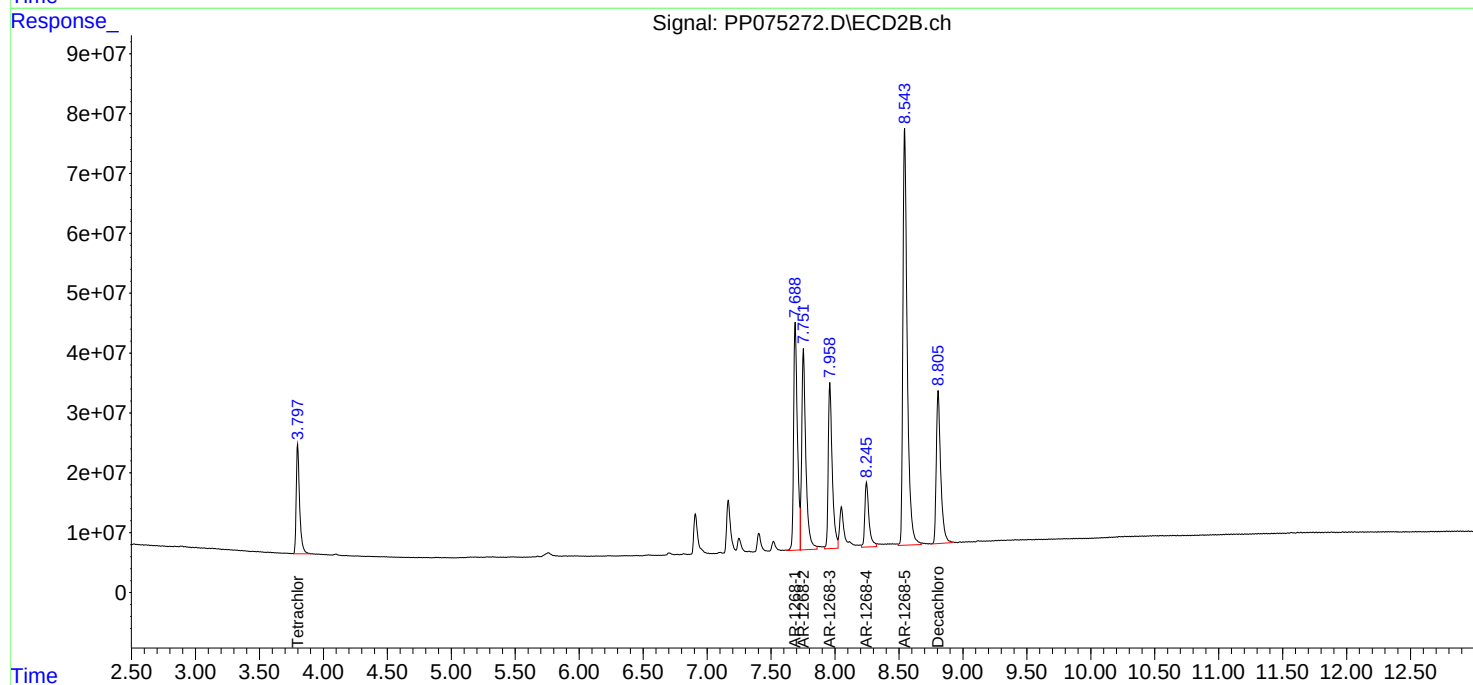
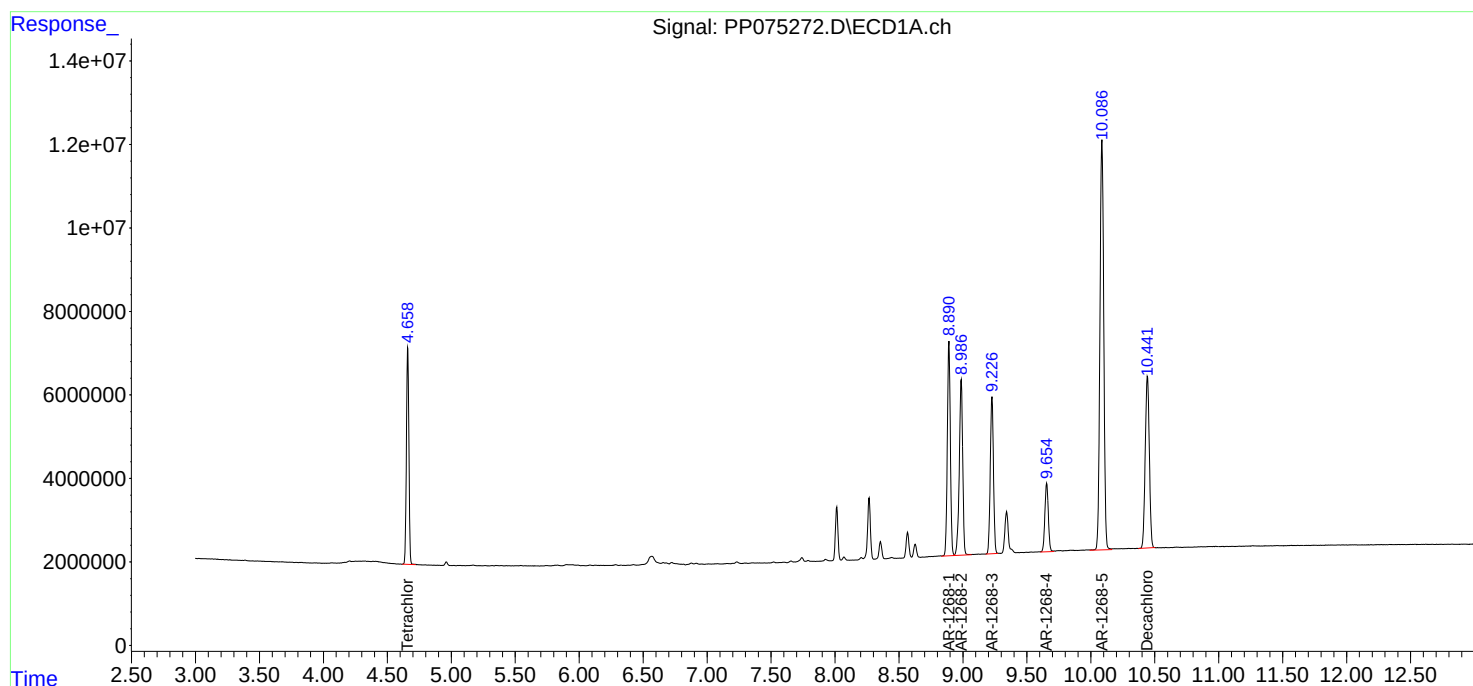
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:41
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:00:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 16:59:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075273.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 16:58
 Operator : YP\AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 17:12:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 17:12:18 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.658	3.796	34379611	151.4E6	25.565	23.393
2) SA Decachlor...	10.439	8.804	46278136	303.1E6	26.135	24.927
Target Compounds						
41) L9 AR-1268-1	8.889	7.687	42980575	365.2E6	263.015	243.698
42) L9 AR-1268-2	8.984	7.751	39128437	345.6E6	260.660	235.330
43) L9 AR-1268-3	9.225	7.958	32512368	273.5E6	258.304	238.576
44) L9 AR-1268-4	9.653	8.245	15247313	115.2E6	257.007	244.227
45) L9 AR-1268-5	10.085	8.542	101.3E6	821.3E6	257.365	256.819

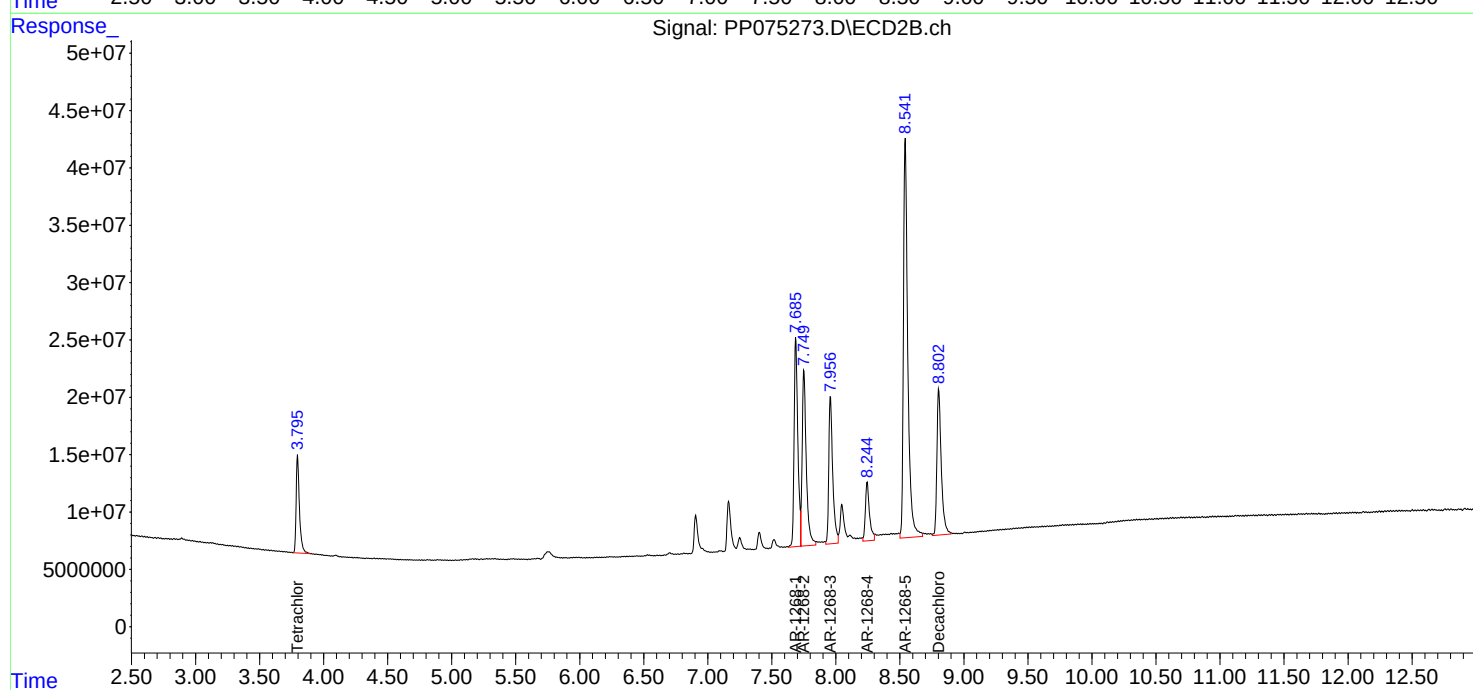
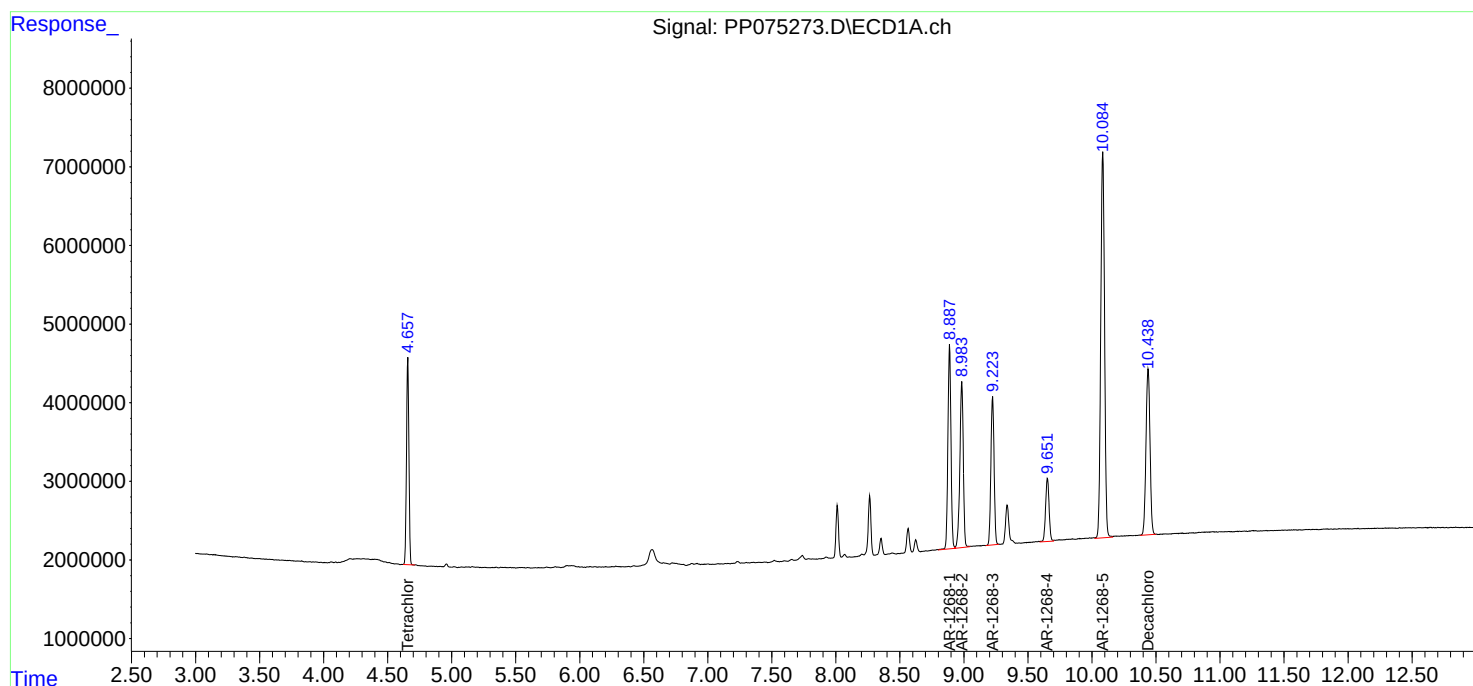
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 16:58
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:12:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075274.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 17:14
 Operator : YP\AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 17:35:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 17:35:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.656	3.796	6162995	20516394	4.661	3.375m#
2) SA Decachlor...	10.438	8.806	8054661	48956522	4.632	4.189
Target Compounds						
41) L9 AR-1268-1	8.887	7.689	7806652	60962197	48.257m	42.258
42) L9 AR-1268-2	8.984	7.753	7067403	54955257	47.637	39.400
43) L9 AR-1268-3	9.224	7.960	5848482	43468397	47.131	39.653m
44) L9 AR-1268-4	9.653	8.247	3041493	18125694	51.009	40.754m
45) L9 AR-1268-5	10.084	8.544	18331022	120.0E6	47.221	39.458m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 17:14
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

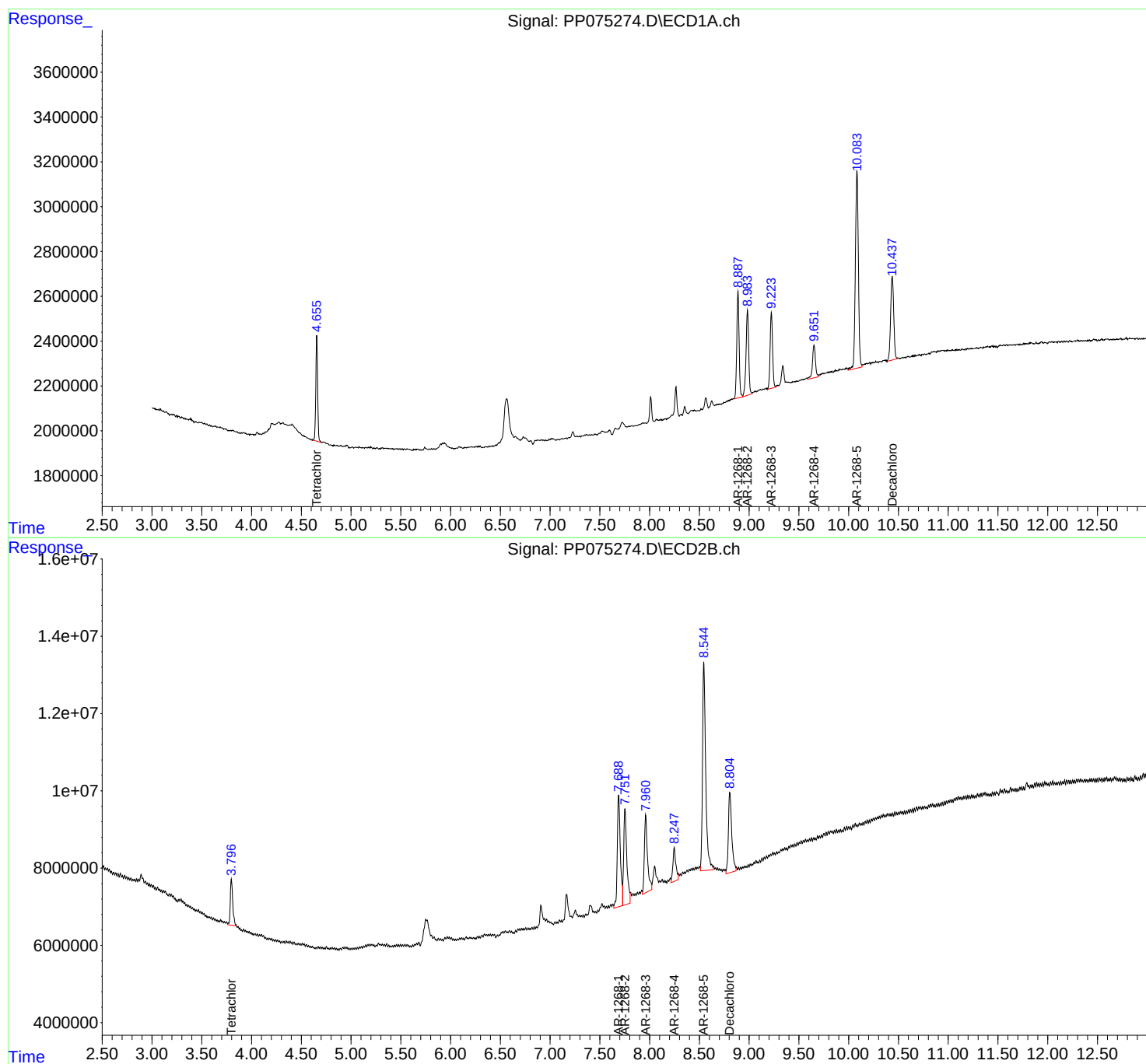
Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:35:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:35:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075275.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 17:46
 Operator : YP\AJ
 Sample : PP092325ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP092325

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 18:28:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 17:43:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.663	3.799	70190259	330.4E6	53.643	54.154
2) SA Decachlor...	10.445	8.804	53037838	358.3E6	53.168	59.392m
Target Compounds						
3) L1 AR-1016-1	5.815	4.896	25480532	304.2E6	529.688	542.185
4) L1 AR-1016-2	5.836	4.953	36891066	135.1E6	514.315	525.487
5) L1 AR-1016-3	5.899	5.073	23781479	76410296	511.091	492.118
6) L1 AR-1016-4	5.996	5.114	19445011	76331861	545.646	519.377
7) L1 AR-1016-5	6.289	5.328	18500980	85017958	548.644	520.362
31) L7 AR-1260-1	7.406	6.357	33314276	213.7E6	554.134	526.554
32) L7 AR-1260-2	7.659	6.543	39216271	298.7E6	538.700	518.643
33) L7 AR-1260-3	8.017	6.697	31022586	223.0E6	572.952	520.892
34) L7 AR-1260-4	8.245	7.166	33773955	216.2E6	597.376	501.440
35) L7 AR-1260-5	8.571	7.405	61446307	573.0E6	559.578	544.665

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 17:46
Operator : YP\AJ
Sample : PP092325ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

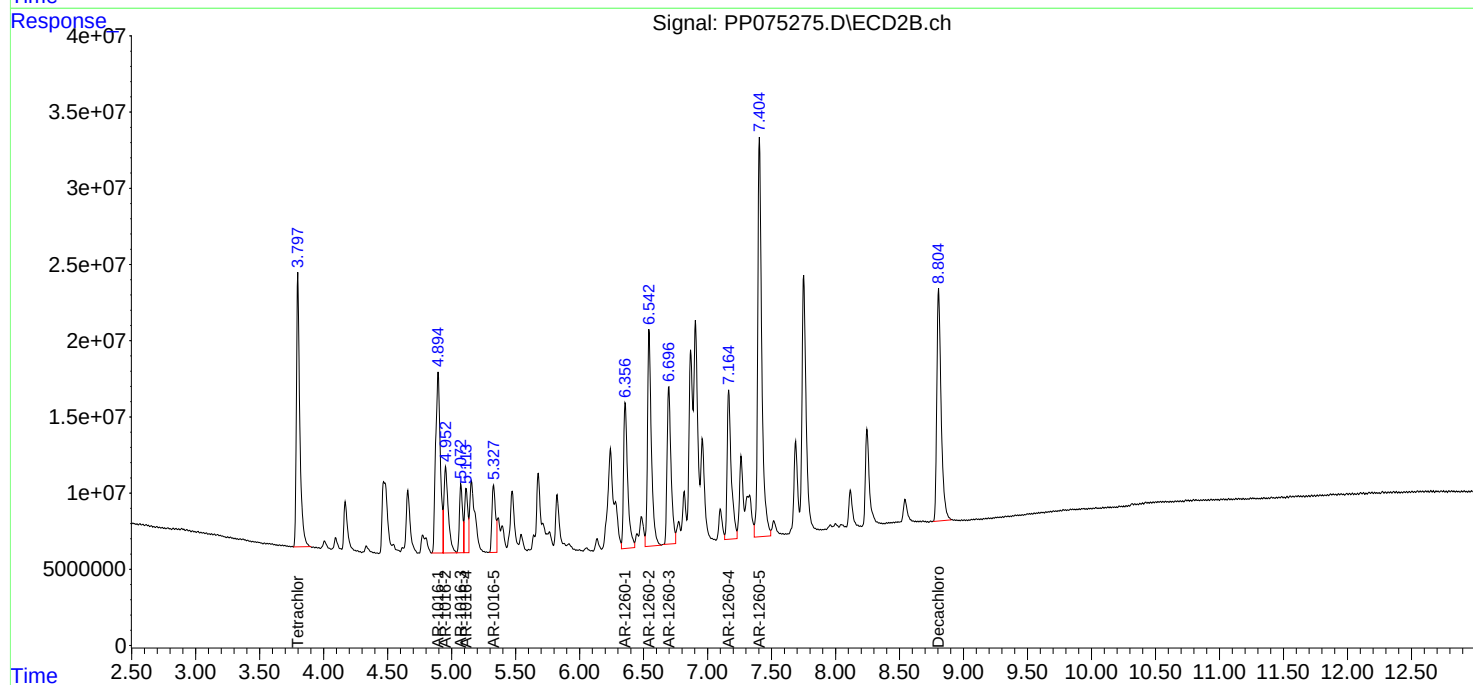
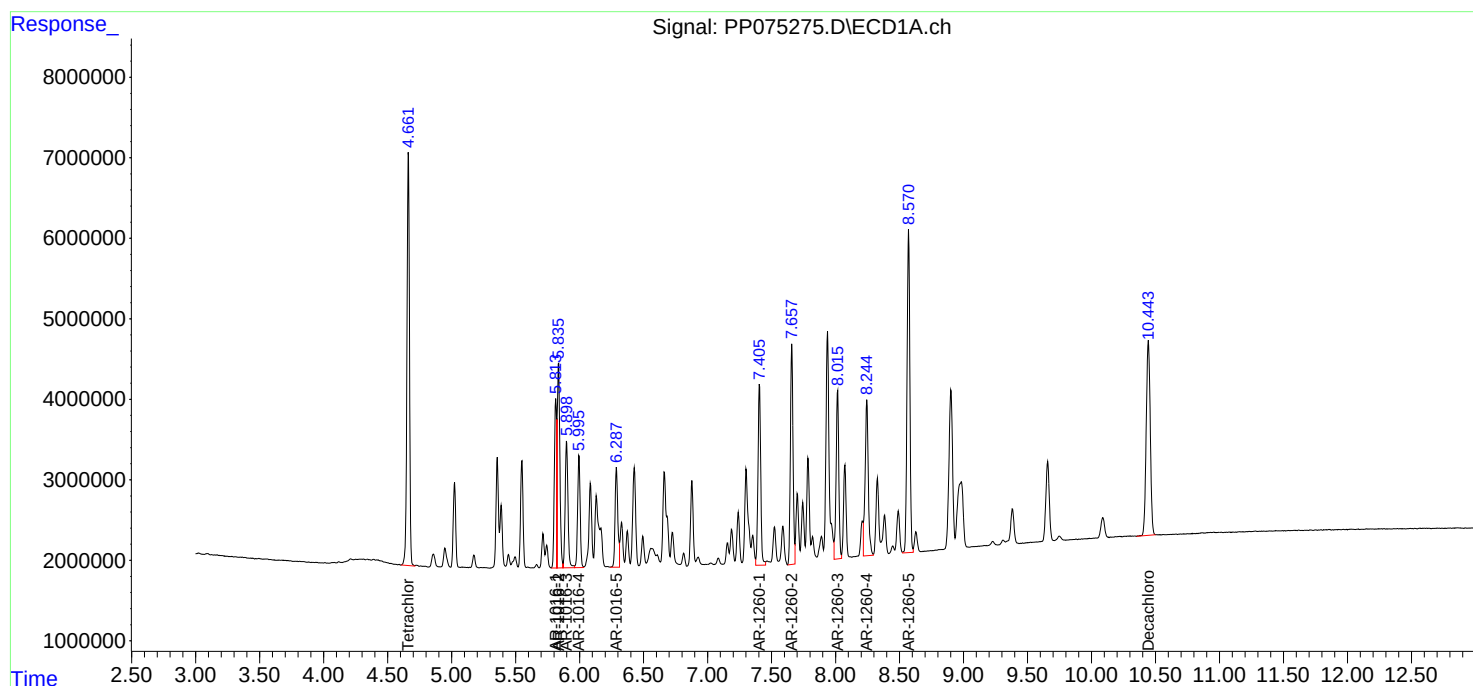
Instrument :
ECD_P
ClientSampleId :
ICVPP092325

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 18:28:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075276.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 18:35
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP092325AR1242

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 24 04:35:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 17:43:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.799	69296262	322.8E6	52.959	52.905
2) SA Decachlor...	10.440	8.803	52620761	359.1E6	52.750	59.525m
Target Compounds						
16) L4 AR-1242-1	5.812	4.896	21512826	253.0E6	516.394	541.693
17) L4 AR-1242-2	5.834	4.954	31427273	115.0E6	526.973	550.426
18) L4 AR-1242-3	5.897	5.074	20323849	64997022	502.739	532.921
19) L4 AR-1242-4	5.993	5.155	16403438	83515061	521.837	524.950m
20) L4 AR-1242-5	6.723	5.676	18943732	103.0E6	538.853	528.983

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 18:35
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 12 Sample Multiplier: 1

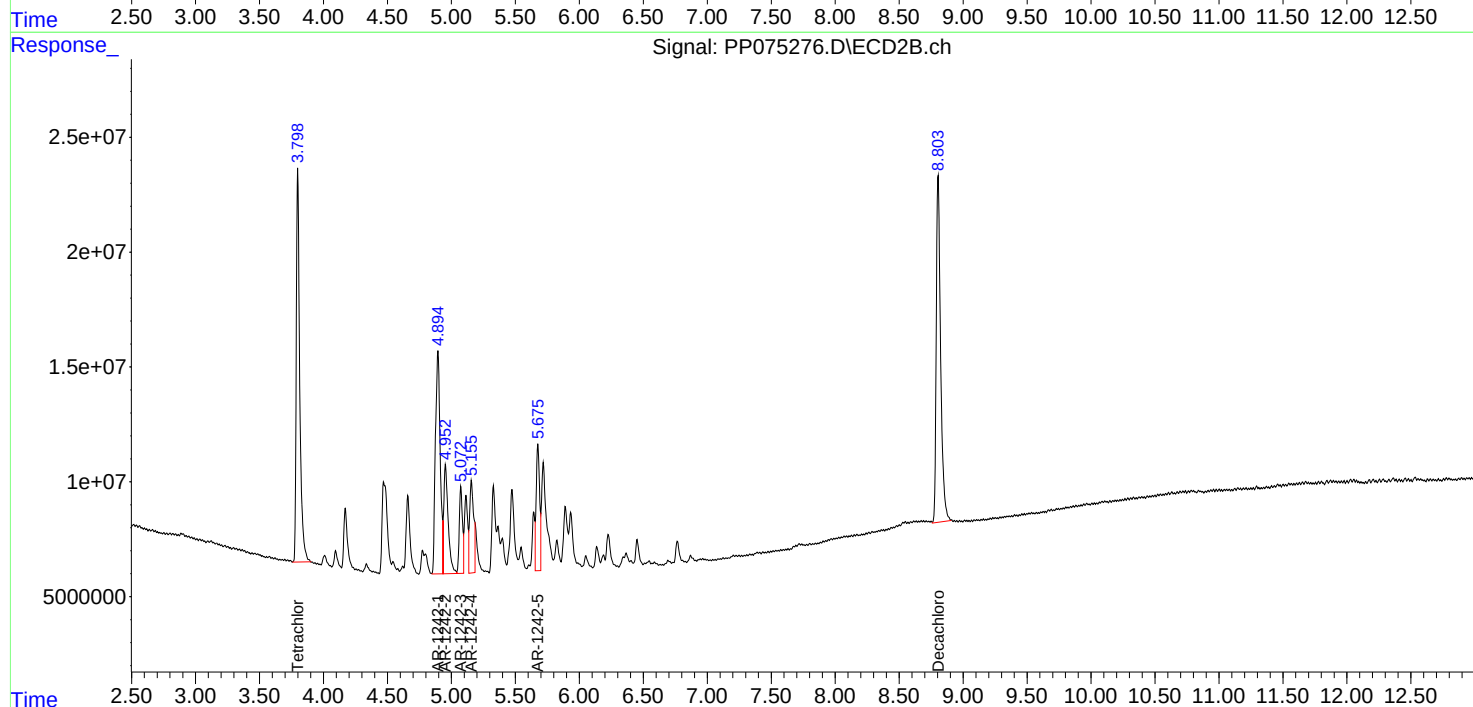
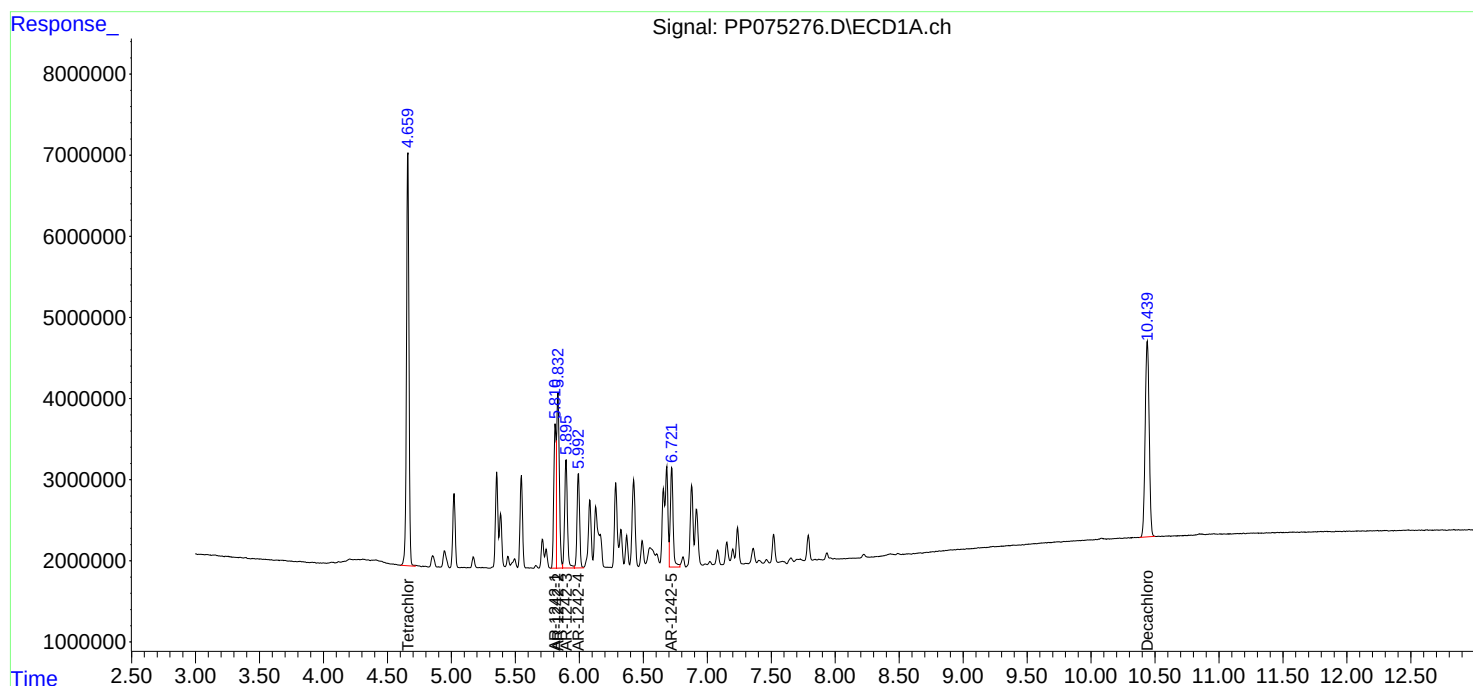
Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1242

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:35:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075277.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 19:08
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP092325AR1248

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 24 04:30:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 23 17:43:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.798	67690061	321.9E6	51.732	52.757
2) SA Decachlor...	10.441	8.804	52715950	361.4E6	52.846	59.916m
Target Compounds						
21) L5 AR-1248-1	5.811	4.894	16390127	167.0E6	519.336	555.702
22) L5 AR-1248-2	6.082	5.114	22503142	105.0E6	518.888	518.581
23) L5 AR-1248-3	6.285	5.154	25155093	135.3E6	526.712	541.550m
24) L5 AR-1248-4	6.683	5.327	30695144	119.4E6	519.272	513.196
25) L5 AR-1248-5	6.723	5.718	29807919	227.8E6	504.369	557.543

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:08
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 17 Sample Multiplier: 1

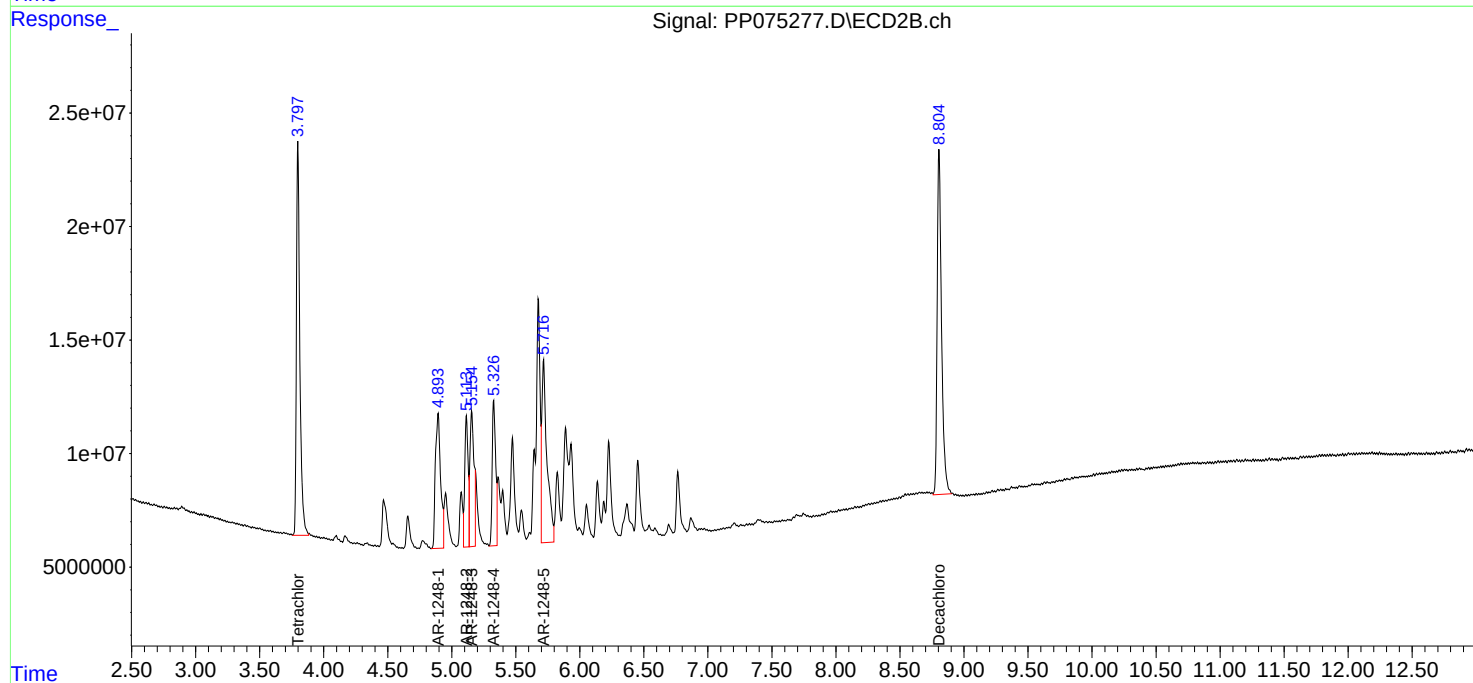
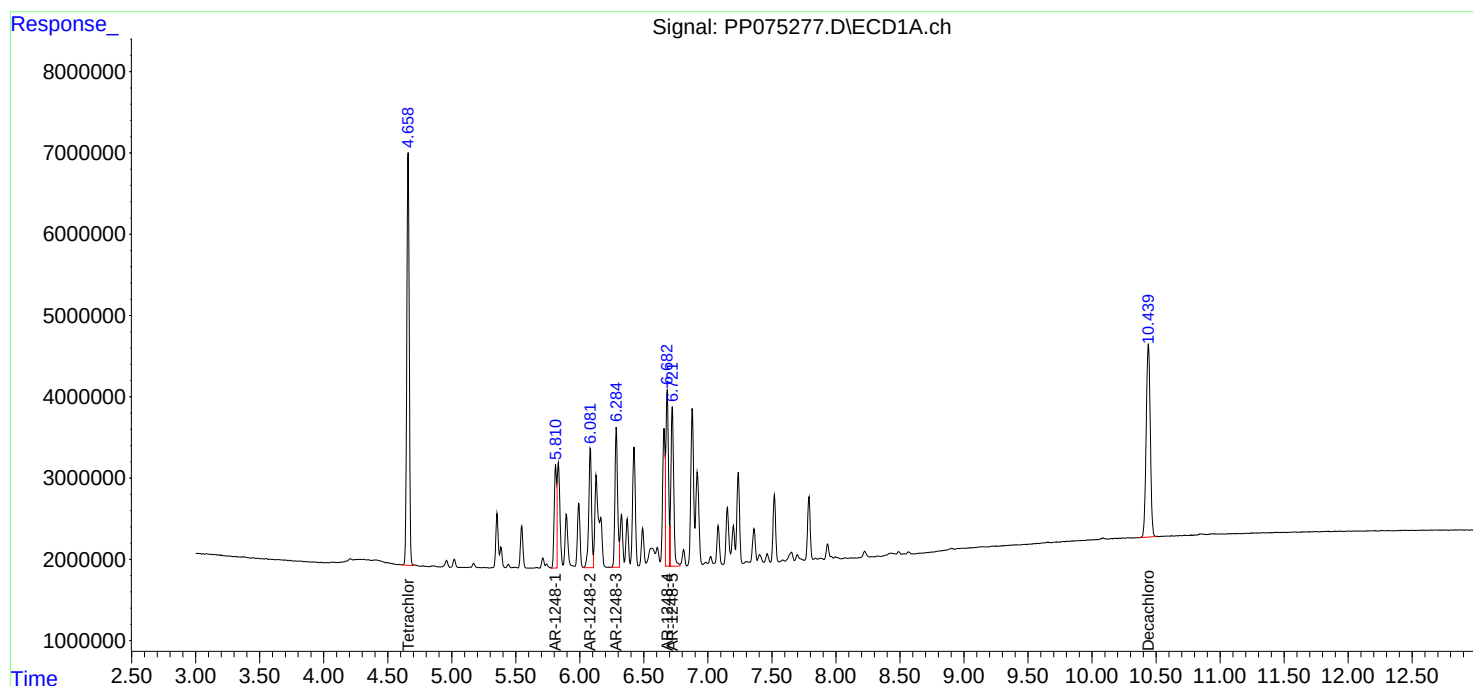
Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1248

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:30:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075278.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 19:40
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP092325AR1254

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 24 05:12:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 05:07:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.660	3.799	68095844	321.3E6	52.042	52.664
2) SA Decachlor...	10.441	8.804	51811352	358.5E6	51.939	59.429m
Target Compounds						
26) L6 AR-1254-1	6.659	5.678	28467743	276.6E6	443.257m	554.578 #
27) L6 AR-1254-2	6.876	5.826	43938129	209.1E6	511.302	523.737
28) L6 AR-1254-3	7.238	6.227	46807513	363.2E6	506.453	546.317
29) L6 AR-1254-4	7.520	6.454	36595686	272.7E6	512.909	552.441
30) L6 AR-1254-5	7.936	6.870	43699326	290.3E6	534.174	508.619

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:40
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

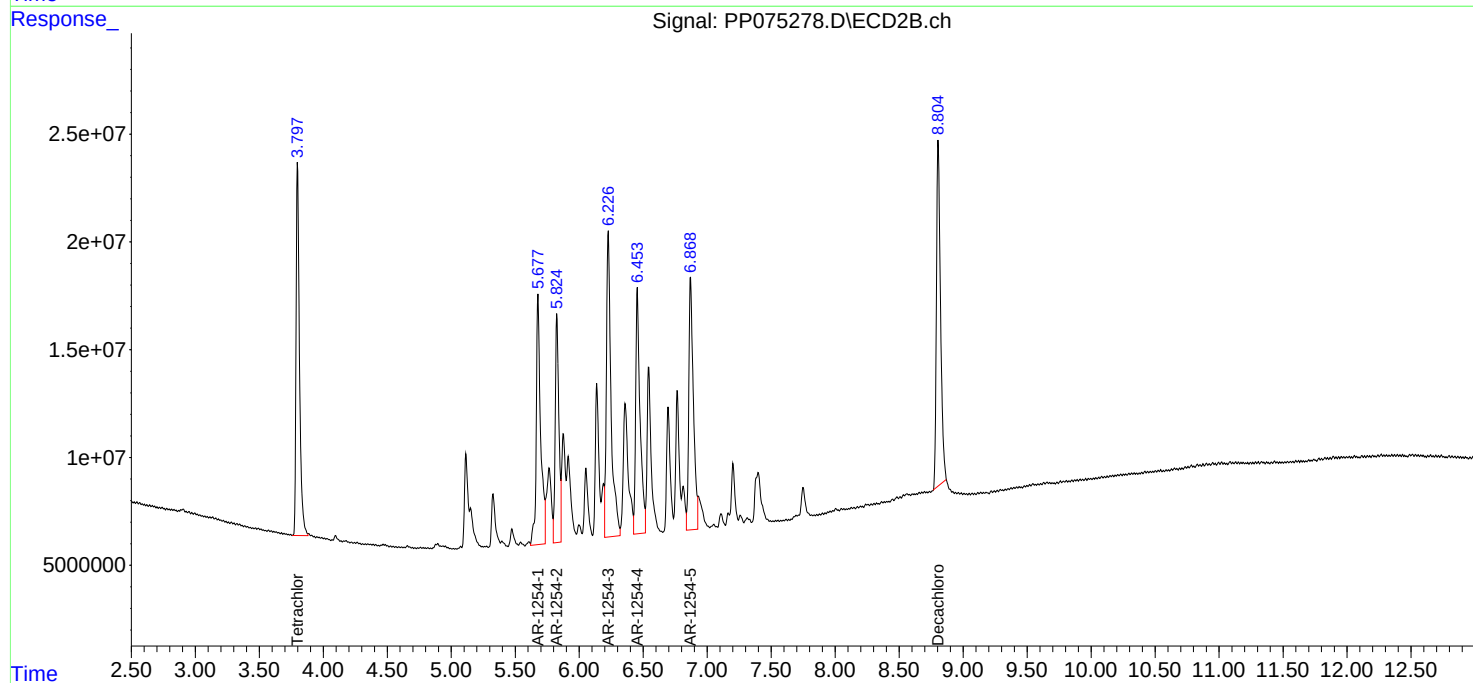
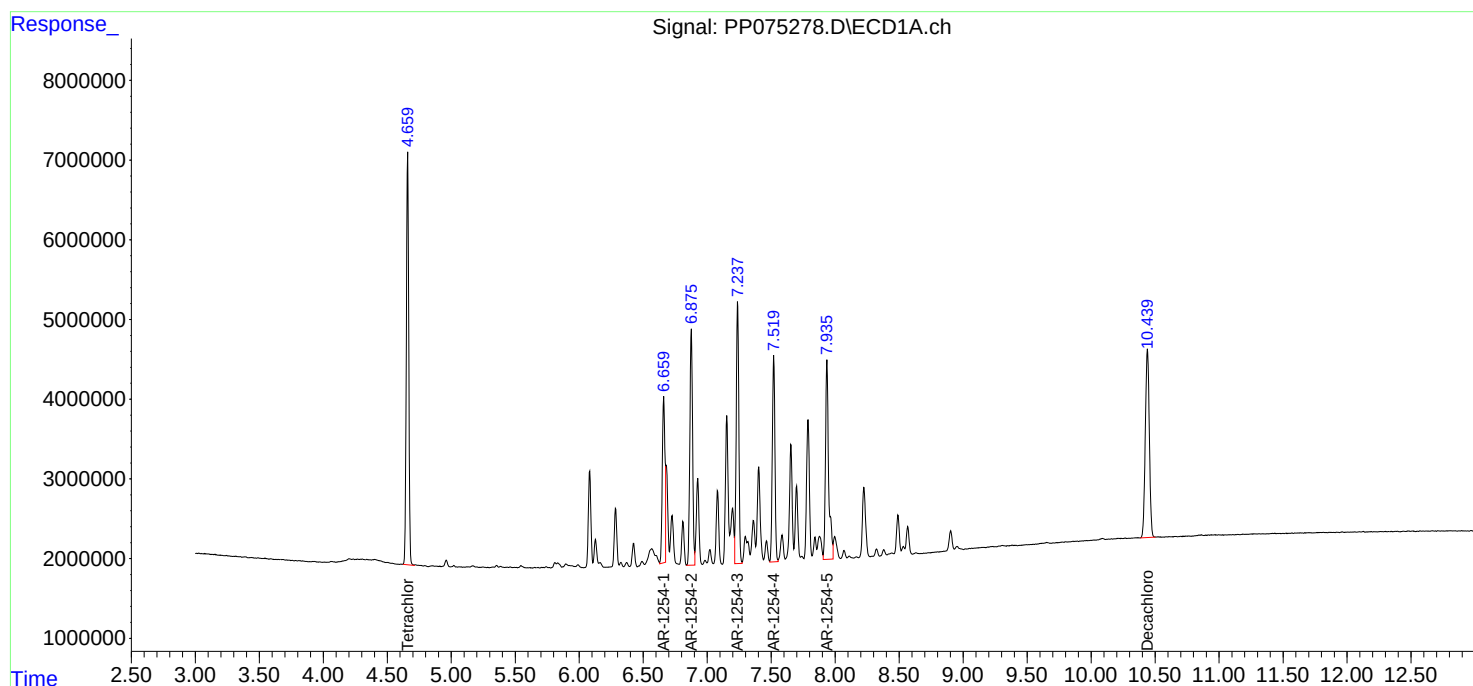
Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1254

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 05:12:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 05:07:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
 Data File : PP075279.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 19:57
 Operator : YP\AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 ICVPP092325AR1268

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 24 04:49:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 04:47:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.659	3.799	71353406	332.9E6	53.960	55.485
2) SA Decachlor...	10.440	8.804	92871605	696.3E6	53.411	59.581m
Target Compounds						
41) L9 AR-1268-1	8.890	7.689	89479292	799.5E6	552.483	554.201
42) L9 AR-1268-2	8.985	7.753	81657272	782.2E6	550.399	560.767
43) L9 AR-1268-3	9.226	7.960	67147736	596.0E6	541.127	546.351
44) L9 AR-1268-4	9.653	8.246	31706205	236.0E6	531.741	524.416
45) L9 AR-1268-5	10.085	8.544	206.8E6	1813.0E6	532.693	596.714

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 19:57
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

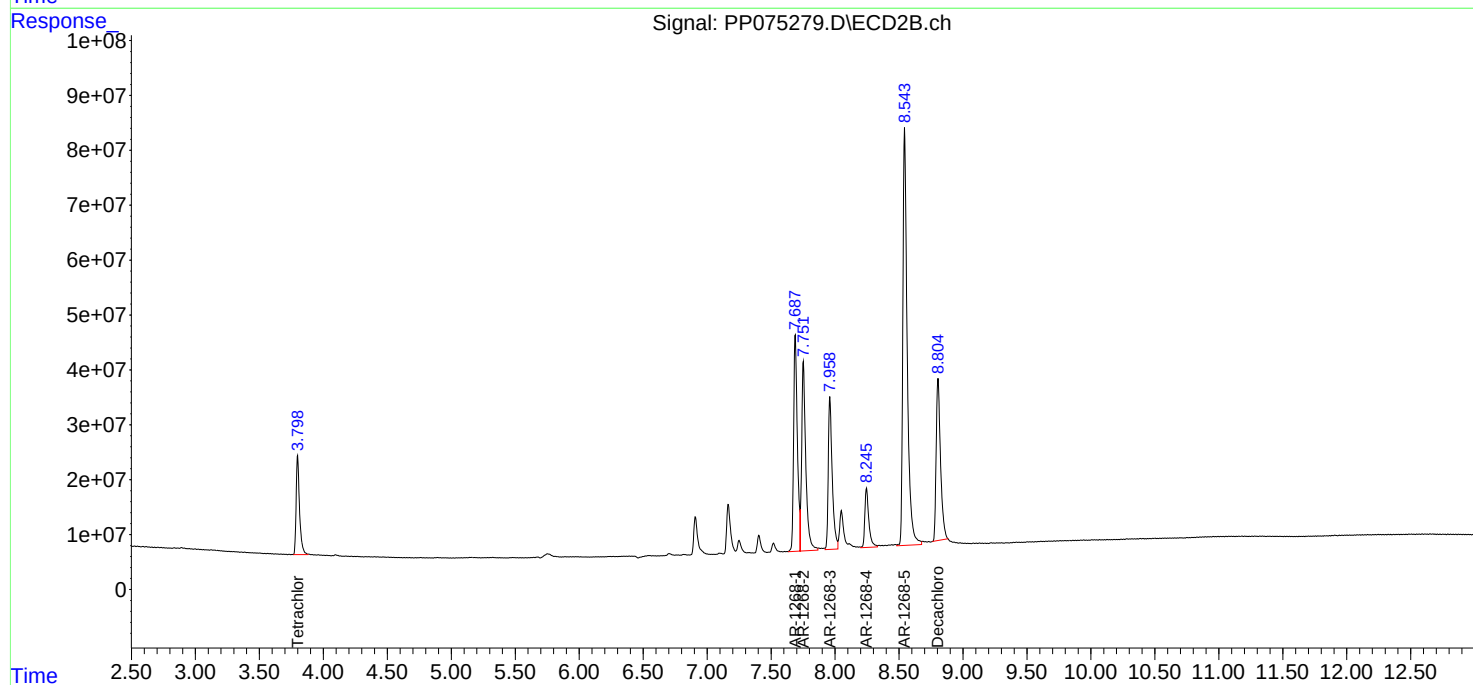
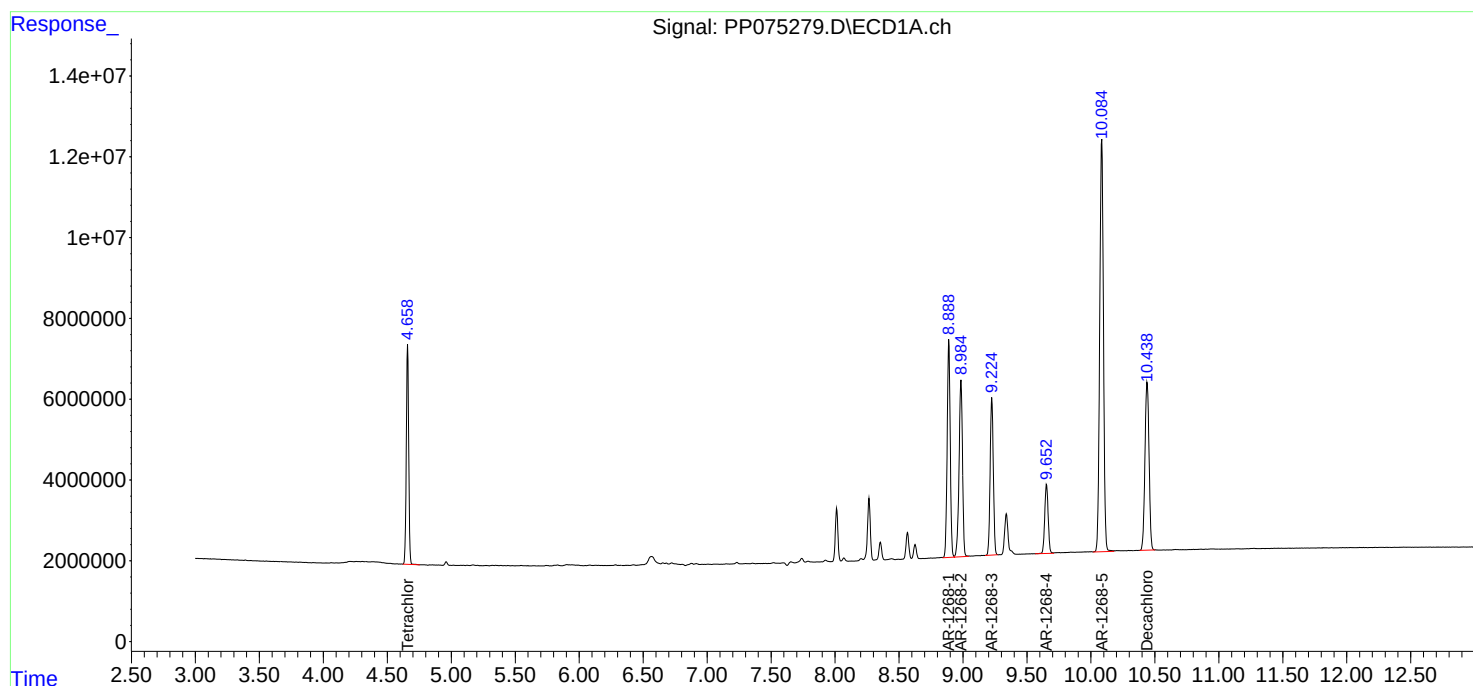
Instrument :
ECD_P
ClientSampleId :
ICVPP092325AR1268

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/24/2025
Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 04:49:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 04:47:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 09/23/2025 09/23/2025

Continuing Calib Time: 08:51

Initial Calibration Time(s): 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.80	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-3	(3)	5.88	5.89	5.79	5.99	0.01
Aroclor-1016-4	(4)	5.98	5.99	5.89	6.09	0.01
Aroclor-1016-5	(5)	6.27	6.28	6.18	6.38	0.01
Aroclor-1260-1	(1)	7.39	7.40	7.30	7.50	0.01
Aroclor-1260-2	(2)	7.64	7.65	7.55	7.75	0.01
Aroclor-1260-3	(3)	8.00	8.01	7.91	8.11	0.01
Aroclor-1260-4	(4)	8.23	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.55	8.56	8.46	8.66	0.01
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.42	10.43	10.33	10.53	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 09/23/2025 09/23/2025

Continuing Calib Time: 08:51

Initial Calibration Time(s): 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.34	6.36	6.26	6.46	0.02
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.68	6.70	6.60	6.80	0.02
Aroclor-1260-4	(4)	7.15	7.17	7.07	7.27	0.02
Aroclor-1260-5	(5)	7.39	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075704.D **Time Analyzed:** 08:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.799	5.708	5.908	521.150	500.000	4.2
Aroclor-1016-2	5.820	5.729	5.929	524.570	500.000	4.9
Aroclor-1016-3	5.883	5.792	5.992	506.450	500.000	1.3
Aroclor-1016-4	5.980	5.889	6.089	547.300	500.000	9.5
Aroclor-1016-5	6.272	6.181	6.381	560.740	500.000	12.1
Aroclor-1260-1	7.389	7.299	7.499	513.460	500.000	2.7
Aroclor-1260-2	7.641	7.551	7.751	504.300	500.000	0.9
Aroclor-1260-3	8.000	7.909	8.109	542.520	500.000	8.5
Aroclor-1260-4	8.227	8.137	8.337	558.320	500.000	11.7
Aroclor-1260-5	8.553	8.464	8.664	543.040	500.000	8.6
Decachlorobiphenyl	10.419	10.334	10.534	52.610	50.000	5.2
Tetrachloro-m-xylene	4.647	4.555	4.755	55.450	50.000	10.9



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075704.D **Time Analyzed:** 08:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.884	4.793	4.993	600.150	500.000	20.0
Aroclor-1016-2	4.940	4.851	5.051	574.760	500.000	15.0
Aroclor-1016-3	5.062	4.971	5.171	539.830	500.000	8.0
Aroclor-1016-4	5.102	5.011	5.211	569.380	500.000	13.9
Aroclor-1016-5	5.316	5.225	5.425	543.520	500.000	8.7
Aroclor-1260-1	6.344	6.255	6.455	547.260	500.000	9.5
Aroclor-1260-2	6.530	6.441	6.641	559.980	500.000	12.0
Aroclor-1260-3	6.684	6.595	6.795	540.760	500.000	8.2
Aroclor-1260-4	7.152	7.065	7.265	487.630	500.000	-2.5
Aroclor-1260-5	7.392	7.304	7.504	503.720	500.000	0.7
Decachlorobiphenyl	8.788	8.703	8.903	58.990	50.000	18.0
Tetrachloro-m-xylene	3.789	3.696	3.896	61.290	50.000	22.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
 Data File : PP075704.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 08:51
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 11:35:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.647	3.789	72561515	373.9E6	55.455	61.292
2) SA Decachlor...	10.419	8.788	52482846	355.9E6	52.612	58.993
Target Compounds						
3) L1 AR-1016-1	5.799	4.884	25070018	336.7E6	521.154	600.151
4) L1 AR-1016-2	5.820	4.940	37626783	147.7E6	524.572	574.763m
5) L1 AR-1016-3	5.883	5.062	23565552	83819064	506.451	539.833
6) L1 AR-1016-4	5.980	5.102	19504057	83681008	547.303	569.383
7) L1 AR-1016-5	6.272	5.316	18908895	88801439	560.740	543.520
31) L7 AR-1260-1	7.389	6.344	30868918	222.2E6	513.459	547.258
32) L7 AR-1260-2	7.641	6.530	36711952	322.5E6	504.299	559.977
33) L7 AR-1260-3	8.000	6.684	29374768	231.5E6	542.519	540.764
34) L7 AR-1260-4	8.227	7.152	31565614	210.3E6	558.316	487.633
35) L7 AR-1260-5	8.553	7.392	59629765	529.9E6	543.035	503.716

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075704.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 08:51
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

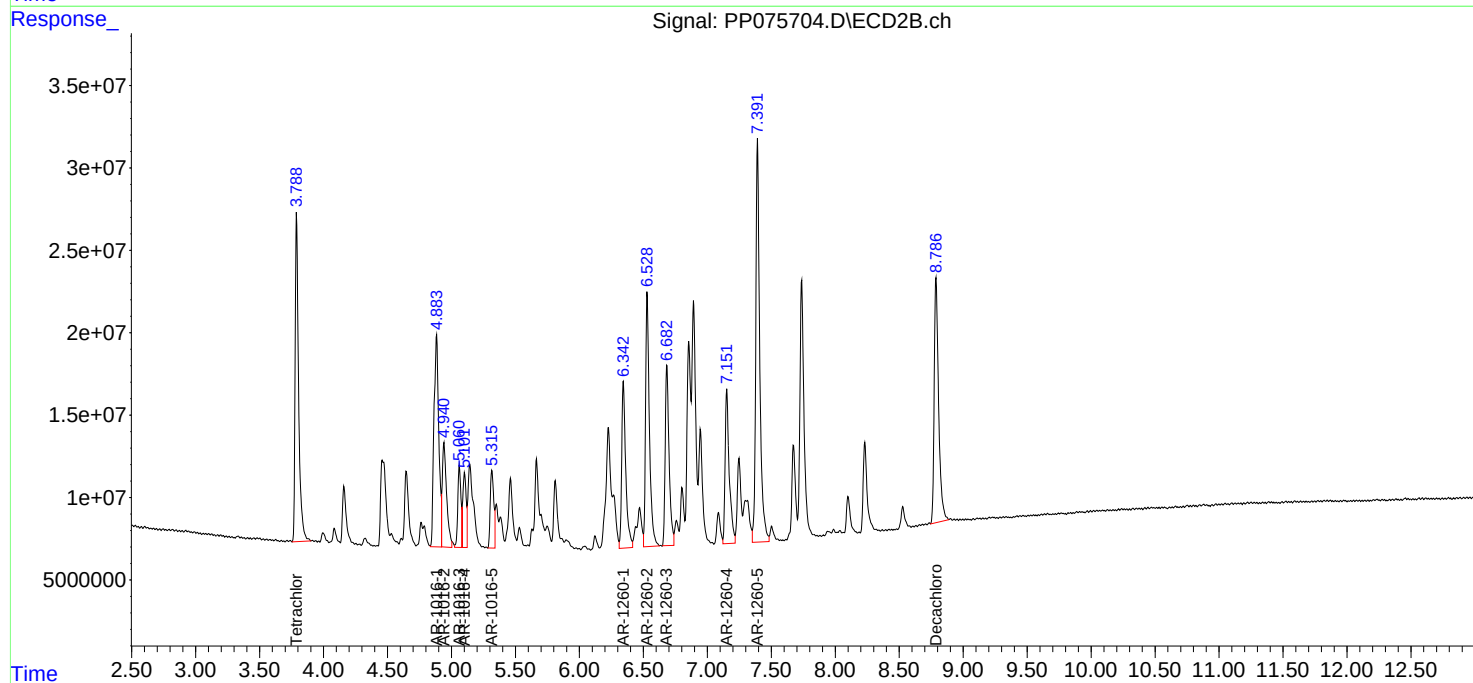
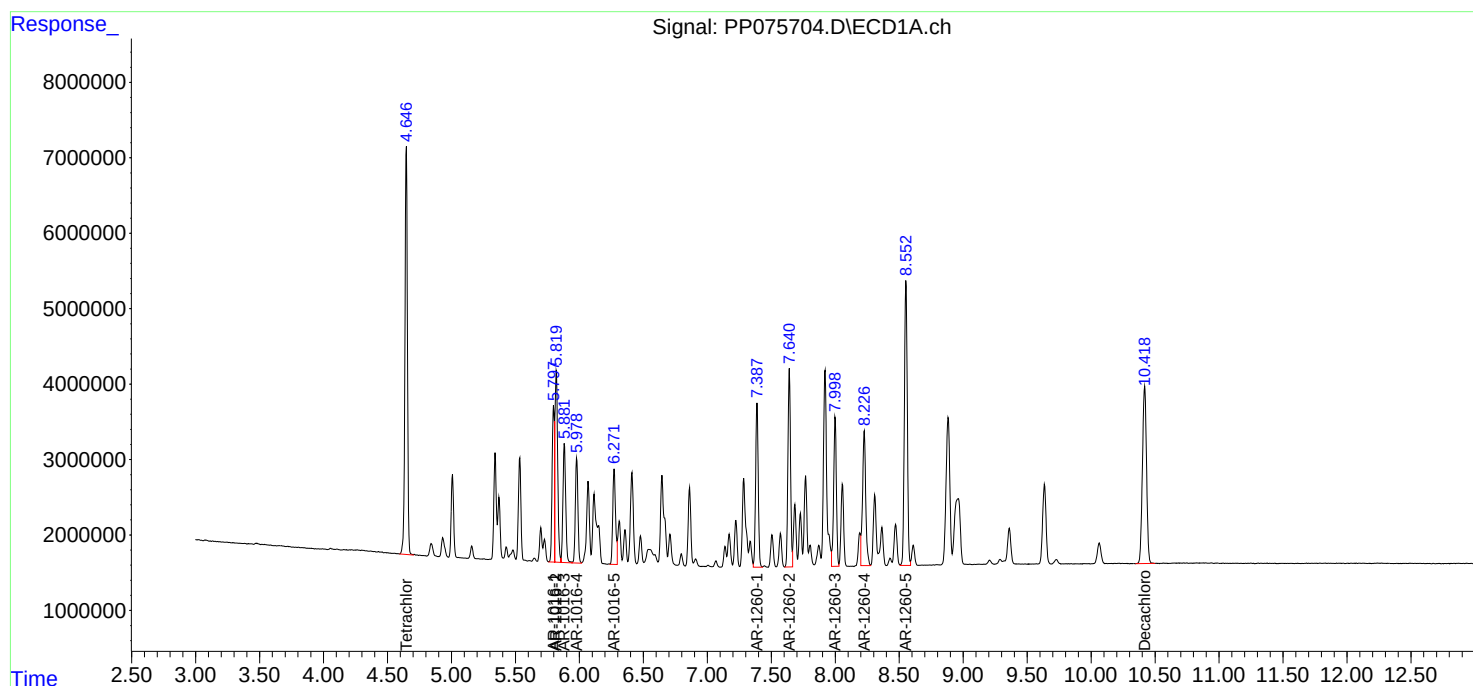
Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/10/2025
Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 11:35:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 09/23/2025

09/23/2025

Continuing Calib Time: 15:57

Initial Calibration Time(s): 08:45

17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.80	5.81	5.71	5.91	0.01
Aroclor-1016-2	(2)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.98	5.99	5.89	6.09	0.01
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.39	7.40	7.30	7.50	0.01
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.00	8.01	7.91	8.11	0.01
Aroclor-1260-4	(4)	8.23	8.24	8.14	8.34	0.01
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.42	10.43	10.33	10.53	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 09/23/2025

09/23/2025

Continuing Calib Time: 15:57

Initial Calibration Time(s): 08:45

17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.01
Aroclor-1260-4	(4)	7.16	7.17	7.07	7.27	0.01
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.00
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075719.D **Time Analyzed:** 15:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.802	5.708	5.908	487.160	500.000	-2.6
Aroclor-1016-2	5.823	5.729	5.929	496.470	500.000	-0.7
Aroclor-1016-3	5.887	5.792	5.992	475.660	500.000	-4.9
Aroclor-1016-4	5.983	5.889	6.089	515.150	500.000	3.0
Aroclor-1016-5	6.276	6.181	6.381	522.770	500.000	4.6
Aroclor-1260-1	7.393	7.299	7.499	487.010	500.000	-2.6
Aroclor-1260-2	7.646	7.551	7.751	482.090	500.000	-3.6
Aroclor-1260-3	8.003	7.909	8.109	516.070	500.000	3.2
Aroclor-1260-4	8.231	8.137	8.337	539.600	500.000	7.9
Aroclor-1260-5	8.557	8.464	8.664	524.180	500.000	4.8
Decachlorobiphenyl	10.423	10.334	10.534	49.780	50.000	-0.4
Tetrachloro-m-xylene	4.650	4.555	4.755	52.690	50.000	5.4



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/10/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075719.D **Time Analyzed:** 15:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.887	4.793	4.993	545.000	500.000	9.0
Aroclor-1016-2	4.945	4.851	5.051	567.840	500.000	13.6
Aroclor-1016-3	5.065	4.971	5.171	504.620	500.000	0.9
Aroclor-1016-4	5.105	5.011	5.211	549.820	500.000	10.0
Aroclor-1016-5	5.319	5.225	5.425	522.850	500.000	4.6
Aroclor-1260-1	6.347	6.255	6.455	498.140	500.000	-0.4
Aroclor-1260-2	6.534	6.441	6.641	499.880	500.000	0.0
Aroclor-1260-3	6.687	6.595	6.795	483.000	500.000	-3.4
Aroclor-1260-4	7.155	7.065	7.265	455.280	500.000	-8.9
Aroclor-1260-5	7.396	7.304	7.504	464.890	500.000	-7.0
Decachlorobiphenyl	8.791	8.703	8.903	56.430	50.000	12.9
Tetrachloro-m-xylene	3.793	3.696	3.896	56.550	50.000	13.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
 Data File : PP075719.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 15:57
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 96 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 06:02:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.650	3.793	68944323	345.0E6	52.690	56.553
2) SA Decachlor...	10.423	8.791	49659240	340.4E6	49.781	56.433
Target Compounds						
3) L1 AR-1016-1	5.802	4.887	23434775	305.7E6	487.161	544.995
4) L1 AR-1016-2	5.823	4.945	35610972	145.9E6	496.468	567.838
5) L1 AR-1016-3	5.887	5.065	22132648	78352034	475.656	504.623
6) L1 AR-1016-4	5.983	5.105	18358073	80806383	515.146	549.823
7) L1 AR-1016-5	6.276	5.319	17628641	85424025	522.775	522.848
31) L7 AR-1260-1	7.393	6.347	29278781	202.2E6	487.010	498.137
32) L7 AR-1260-2	7.646	6.534	35095116	287.8E6	482.089	499.881
33) L7 AR-1260-3	8.003	6.687	27942710	206.8E6	516.071	482.995
34) L7 AR-1260-4	8.231	7.155	30507548	196.3E6	539.602	455.276
35) L7 AR-1260-5	8.557	7.396	57559217	489.1E6	524.179	464.888

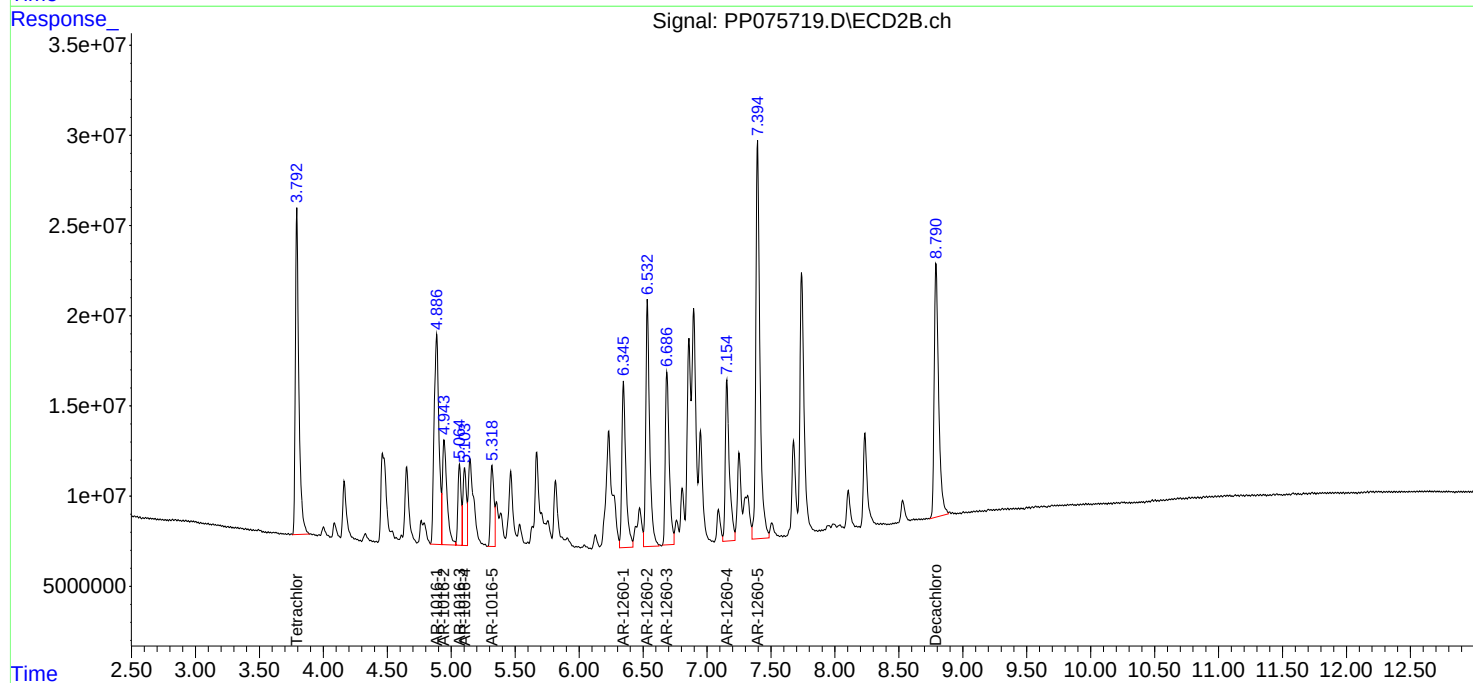
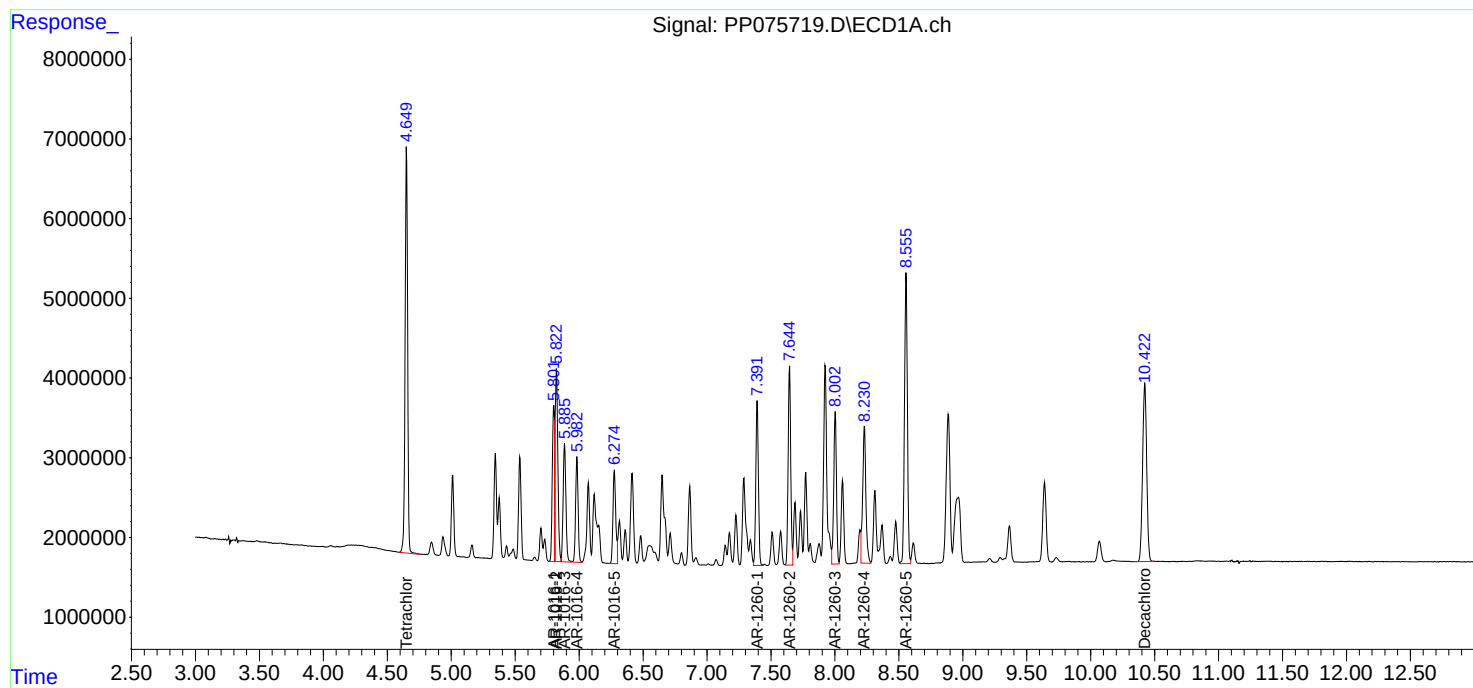
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075719.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:57
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 96 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 06:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/23/2025 09/23/2025

Continuing Calib Time: 09:46

Initial Calibration Time(s): 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.66	4.56	4.76	0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/23/2025 09/23/2025

Continuing Calib Time: 09:46

Initial Calibration Time(s): 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.94	4.95	4.85	5.05	0.01
Aroclor-1016-3	(3)	5.06	5.07	4.97	5.17	0.01
Aroclor-1016-4	(4)	5.10	5.11	5.01	5.21	0.01
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.01
Aroclor-1260-4	(4)	7.16	7.17	7.07	7.27	0.01
Aroclor-1260-5	(5)	7.39	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/15/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075786.D **Time Analyzed:** 09:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.806	5.708	5.908	519.890	500.000	4.0
Aroclor-1016-2	5.828	5.729	5.929	529.600	500.000	5.9
Aroclor-1016-3	5.891	5.792	5.992	503.430	500.000	0.7
Aroclor-1016-4	5.988	5.889	6.089	537.410	500.000	7.5
Aroclor-1016-5	6.280	6.181	6.381	557.250	500.000	11.5
Aroclor-1260-1	7.397	7.299	7.499	516.730	500.000	3.3
Aroclor-1260-2	7.649	7.551	7.751	508.790	500.000	1.8
Aroclor-1260-3	8.008	7.909	8.109	552.740	500.000	10.5
Aroclor-1260-4	8.236	8.137	8.337	572.880	500.000	14.6
Aroclor-1260-5	8.561	8.464	8.664	561.840	500.000	12.4
Decachlorobiphenyl	10.431	10.334	10.534	43.700	50.000	-12.6
Tetrachloro-m-xylene	4.654	4.555	4.755	47.940	50.000	-4.1



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/15/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075786.D **Time Analyzed:** 09:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.886	4.793	4.993	525.300	500.000	5.1
Aroclor-1016-2	4.943	4.851	5.051	548.930	500.000	9.8
Aroclor-1016-3	5.064	4.971	5.171	463.710	500.000	-7.3
Aroclor-1016-4	5.104	5.011	5.211	526.750	500.000	5.4
Aroclor-1016-5	5.317	5.225	5.425	517.290	500.000	3.5
Aroclor-1260-1	6.346	6.255	6.455	496.140	500.000	-0.8
Aroclor-1260-2	6.533	6.441	6.641	494.070	500.000	-1.2
Aroclor-1260-3	6.686	6.595	6.795	491.330	500.000	-1.7
Aroclor-1260-4	7.155	7.065	7.265	454.800	500.000	-9.0
Aroclor-1260-5	7.394	7.304	7.504	474.360	500.000	-5.1
Decachlorobiphenyl	8.791	8.703	8.903	46.510	50.000	-7.0
Tetrachloro-m-xylene	3.790	3.696	3.896	47.550	50.000	-4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101525\
 Data File : PP075786.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 09:46
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:44:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.654	3.790	62726735	290.1E6	47.939	47.552
2) SA Decachlor...	10.431	8.791	43592505	280.6E6	43.700	46.509
Target Compounds						
3) L1 AR-1016-1	5.806	4.886	25009370	294.7E6	519.894	525.297
4) L1 AR-1016-2	5.828	4.943	37987372	141.1E6	529.599	548.932
5) L1 AR-1016-3	5.891	5.064	23425203	71999479	503.435	463.710
6) L1 AR-1016-4	5.988	5.104	19151423	77416082	537.408	526.755
7) L1 AR-1016-5	6.280	5.317	18791291	84515379	557.253	517.286
31) L7 AR-1260-1	7.397	6.346	31065374	201.4E6	516.727	496.137
32) L7 AR-1260-2	7.649	6.533	37038590	284.5E6	508.786	494.066
33) L7 AR-1260-3	8.008	6.686	29928023	210.3E6	552.737	491.331
34) L7 AR-1260-4	8.236	7.155	32388758	196.1E6	572.876	454.799
35) L7 AR-1260-5	8.561	7.394	61695014	499.0E6	561.843	474.356

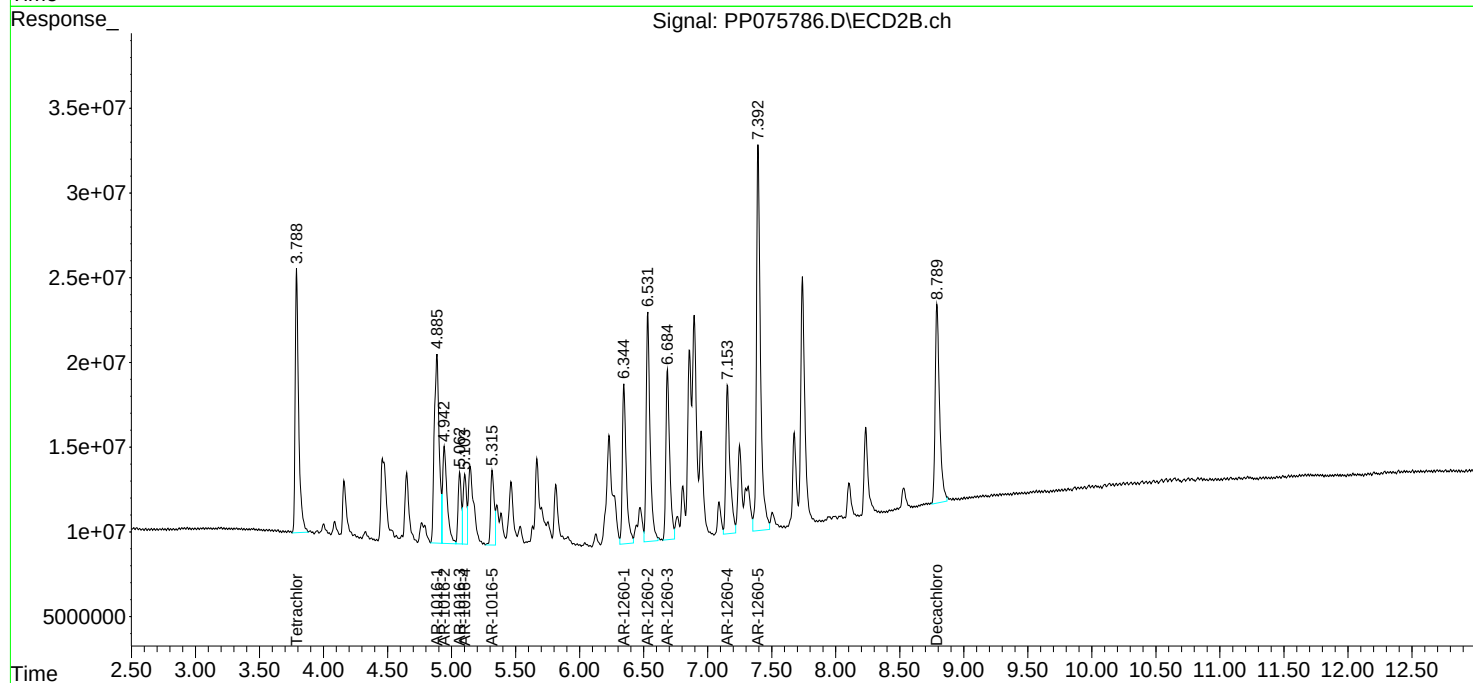
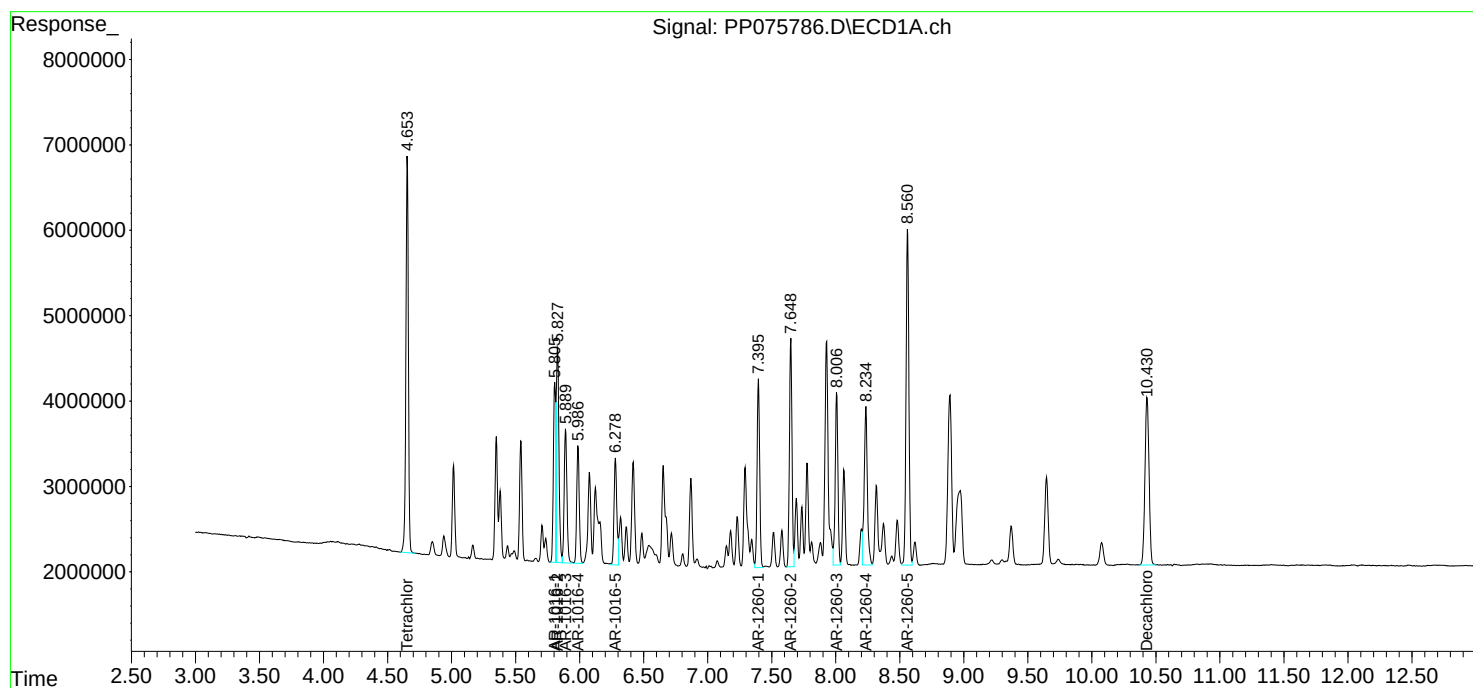
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101525\
Data File : PP075786.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:46
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:44:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/23/2025 09/23/2025

Continuing Calib Time: 15:46

Initial Calibration Time(s): 08:45 17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.66	4.66	4.56	4.76	0.00
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/23/2025

09/23/2025

Continuing Calib Time: 15:46

Initial Calibration Time(s): 08:45

17:14

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.89	4.79	4.99	0.00
Aroclor-1016-2	(2)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-5	(5)	5.32	5.33	5.23	5.43	0.01
Aroclor-1260-1	(1)	6.35	6.36	6.26	6.46	0.01
Aroclor-1260-2	(2)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.01
Aroclor-1260-4	(4)	7.16	7.17	7.07	7.27	0.01
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.00
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.80	8.80	8.70	8.90	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/15/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075801.D **Time Analyzed:** 15:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.807	5.708	5.908	513.930	500.000	2.8
Aroclor-1016-2	5.829	5.729	5.929	519.260	500.000	3.9
Aroclor-1016-3	5.892	5.792	5.992	499.150	500.000	-0.2
Aroclor-1016-4	5.989	5.889	6.089	533.780	500.000	6.8
Aroclor-1016-5	6.281	6.181	6.381	534.710	500.000	6.9
Aroclor-1260-1	7.398	7.299	7.499	498.360	500.000	-0.3
Aroclor-1260-2	7.651	7.551	7.751	491.270	500.000	-1.7
Aroclor-1260-3	8.010	7.909	8.109	534.130	500.000	6.8
Aroclor-1260-4	8.238	8.137	8.337	549.030	500.000	9.8
Aroclor-1260-5	8.563	8.464	8.664	542.640	500.000	8.5
Decachlorobiphenyl	10.434	10.334	10.534	42.640	50.000	-14.7
Tetrachloro-m-xylene	4.655	4.555	4.755	47.020	50.000	-6.0



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2025 09/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/15/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP075801.D **Time Analyzed:** 15:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.889	4.793	4.993	515.970	500.000	3.2
Aroclor-1016-2	4.946	4.851	5.051	540.120	500.000	8.0
Aroclor-1016-3	5.066	4.971	5.171	490.520	500.000	-1.9
Aroclor-1016-4	5.106	5.011	5.211	526.890	500.000	5.4
Aroclor-1016-5	5.321	5.225	5.425	528.950	500.000	5.8
Aroclor-1260-1	6.349	6.255	6.455	478.440	500.000	-4.3
Aroclor-1260-2	6.536	6.441	6.641	493.970	500.000	-1.2
Aroclor-1260-3	6.689	6.595	6.795	503.510	500.000	0.7
Aroclor-1260-4	7.159	7.065	7.265	441.490	500.000	-11.7
Aroclor-1260-5	7.399	7.304	7.504	466.040	500.000	-6.8
Decachlorobiphenyl	8.795	8.703	8.903	47.140	50.000	-5.7
Tetrachloro-m-xylene	3.793	3.696	3.896	47.140	50.000	-5.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101525\
 Data File : PP075801.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 15:46
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:54:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.655	3.793	61518779	287.6E6	47.015	47.142
2) SA Decachlor...	10.434	8.795	42532350	284.4E6	42.637	47.144
Target Compounds						
3) L1 AR-1016-1	5.807	4.889	24722441	289.5E6	513.929	515.974
4) L1 AR-1016-2	5.829	4.946	37245462	138.8E6	519.255	540.124
5) L1 AR-1016-3	5.892	5.066	23225962	76162293	499.153	490.520
6) L1 AR-1016-4	5.989	5.106	19022197	77436509	533.782	526.894
7) L1 AR-1016-5	6.281	5.321	18031149	86421673	534.711	528.954
31) L7 AR-1260-1	7.398	6.349	29960975	194.2E6	498.357	478.438
32) L7 AR-1260-2	7.651	6.536	35763290	284.4E6	491.267	493.973
33) L7 AR-1260-3	8.010	6.689	28920810	215.5E6	534.135	503.513
34) L7 AR-1260-4	8.238	7.159	31040537	190.4E6	549.029	441.491
35) L7 AR-1260-5	8.563	7.399	59585896	490.3E6	542.636	466.040

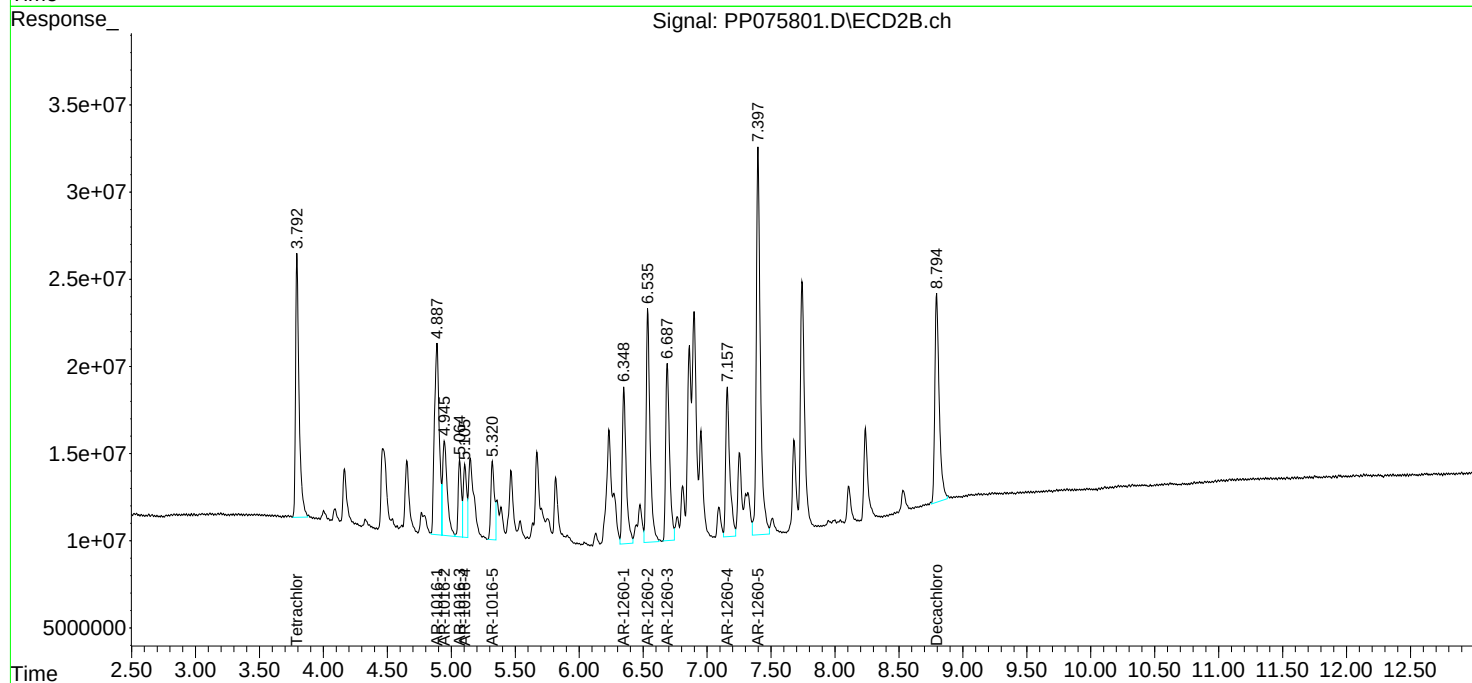
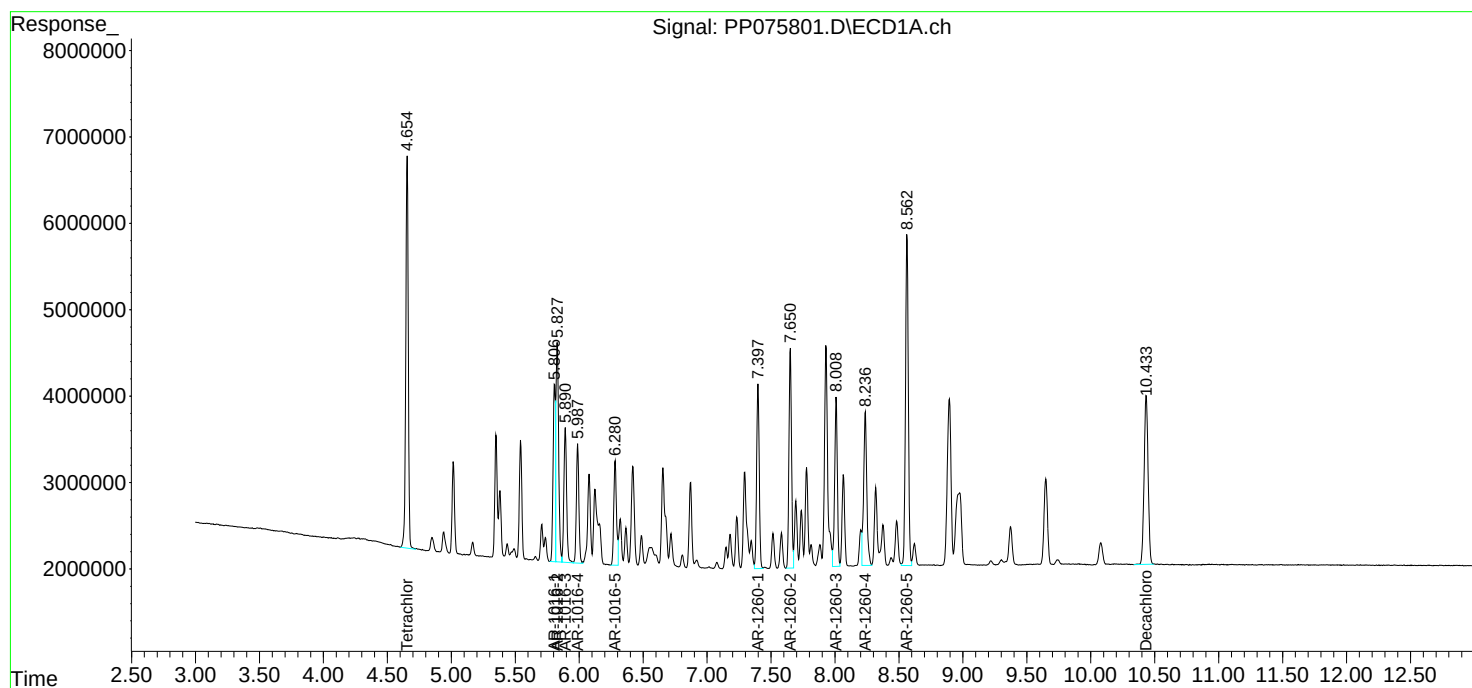
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101525\
Data File : PP075801.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 15:46
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:54:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



Analytical Sequence

Client: Langan Engineering and Environmental Se	SDG No.: Q3310
Project: Con Edison Richmond Terrace	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 09/23/2025 09/23/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	09/23/2025	08:29	PP075246.D	10.44	4.66
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	10.43	4.65
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	10.44	4.66
AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	10.43	4.66
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	10.43	4.66
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	10.45	4.66
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	10.44	4.66
AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	10.44	4.66
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	10.44	4.66
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	10.44	4.66
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	10.44	4.66
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	10.44	4.66
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	10.43	4.66
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	10.44	4.66
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	10.44	4.66
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	10.44	4.66
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	10.44	4.66
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	10.44	4.66
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	10.44	4.66
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	10.44	4.66
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	10.43	4.66
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	10.44	4.66
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	10.44	4.66
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	10.44	4.66
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	10.44	4.66
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	10.44	4.66
AR1660CCC500	AR1660CCC500	10/10/2025	08:51	PP075704.D	10.42	4.65
IBLK	IBLK	10/10/2025	09:59	PP075708.D	10.42	4.65
PB170053BL	PB170053BL	10/10/2025	12:42	PP075711.D	10.42	4.65
SS-01-0-1	Q3310-01	10/10/2025	13:31	PP075714.D	10.42	4.65
SS-01-1-2	Q3310-02	10/10/2025	13:47	PP075715.D	10.42	4.65
SS-01-1-2MS	Q3310-02MS	10/10/2025	14:03	PP075716.D	10.42	4.65
SS-01-1-2MSD	Q3310-02MSD	10/10/2025	14:20	PP075717.D	10.42	4.65
SS-01-2-3	Q3310-03	10/10/2025	14:36	PP075718.D	10.42	4.65
AR1660CCC500	AR1660CCC500	10/10/2025	15:57	PP075719.D	10.42	4.65
IBLK	IBLK	10/10/2025	17:02	PP075723.D	10.42	4.65
AR1660CCC500	AR1660CCC500	10/15/2025	09:46	PP075786.D	10.43	4.65
IBLK	IBLK	10/15/2025	11:09	PP075790.D	10.43	4.65
PB170053BS	PB170053BS	10/15/2025	11:26	PP075791.D	10.43	4.65

Analytical Sequence

AR1660CCC500	AR1660CCC500	10/15/2025	15:46	PP075801.D	10.43	4.66
I.BLK	I.BLK	10/15/2025	16:51	PP075805.D	10.43	4.65

Analytical Sequence

Client: Langan Engineering and Environmental Se	SDG No.: Q3310
Project: Con Edison Richmond Terrace	Instrument ID: ECD_P
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 09/23/2025 09/23/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	09/23/2025	08:29	PP075246.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	8.81	3.80
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	8.80	3.80
AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	8.80	3.80
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	8.80	3.80
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	8.81	3.80
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	8.81	3.80
AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	8.81	3.80
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	8.81	3.80
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	8.81	3.80
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	8.81	3.80
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	8.81	3.80
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	8.80	3.80
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	8.80	3.80
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	8.81	3.80
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	8.80	3.80
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	8.81	3.80
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	8.80	3.80
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	8.81	3.80
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	8.81	3.80
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	8.81	3.80
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	8.81	3.80
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	8.81	3.80
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	8.81	3.80
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	8.81	3.80
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	8.81	3.80
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	8.81	3.80
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	8.80	3.80
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	8.81	3.80
AR1660CCC500	AR1660CCC500	10/10/2025	08:51	PP075704.D	8.79	3.79
IBLK	IBLK	10/10/2025	09:59	PP075708.D	8.79	3.79
PB170053BL	PB170053BL	10/10/2025	12:42	PP075711.D	8.79	3.79
SS-01-0-1	Q3310-01	10/10/2025	13:31	PP075714.D	8.79	3.79
SS-01-1-2	Q3310-02	10/10/2025	13:47	PP075715.D	8.79	3.79
SS-01-1-2MS	Q3310-02MS	10/10/2025	14:03	PP075716.D	8.79	3.79
SS-01-1-2MSD	Q3310-02MSD	10/10/2025	14:20	PP075717.D	8.79	3.79
SS-01-2-3	Q3310-03	10/10/2025	14:36	PP075718.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/10/2025	15:57	PP075719.D	8.79	3.79
IBLK	IBLK	10/10/2025	17:02	PP075723.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/15/2025	09:46	PP075786.D	8.79	3.79
IBLK	IBLK	10/15/2025	11:09	PP075790.D	8.79	3.79
PB170053BS	PB170053BS	10/15/2025	11:26	PP075791.D	8.79	3.79

Analytical Sequence

AR1660CCC500	AR1660CCC500	10/15/2025	15:46	PP075801.D	8.80	3.79
I.BLK	I.BLK	10/15/2025	16:51	PP075805.D	8.79	3.79



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SS-01-0-1

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-01

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP075714.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1260	1	7.387	7.337	7.437	65.5	69.9	28.24
COLUMN 1	2	7.641	7.591	7.691	82.0		
	3	7.999	7.949	8.049	76.6		
	4	8.223	8.173	8.273	64.7		
	5	8.553	8.503	8.603	60.7		
	1	6.345	6.295	6.395	61.7		
COLUMN 2	2	6.537	6.487	6.587	66.5	52.6	
	3	6.684	6.634	6.734	38.4		
	4	7.152	7.102	7.202	39.6		
	5	7.392	7.342	7.442	56.8		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SS-01-1-2

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-02

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP075715.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1260	1	7.386	7.336	7.436	49.2	75.8	82.57
COLUMN 1	2	7.626	7.576	7.676	160		
	3	8	7.95	8.05	65.1		
	4	8.225	8.175	8.275	47.8		
	5	8.553	8.503	8.603	57.0		
	1	6.344	6.294	6.394	29.2		
COLUMN 2	2	6.534	6.484	6.584	29.4	31.5	
	3	6.687	6.637	6.737	25.5		
	4	7.152	7.102	7.202	32.6		
	5	7.391	7.341	7.441	41.1		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SS-01-1-2MS

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-02MS

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP075716.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.802	5.752	5.852	276	286	7.62
COLUMN 1	2	5.824	5.774	5.874	292		
	3	5.887	5.837	5.937	261		
	4	5.983	5.933	6.033	316		
	5	6.276	6.226	6.326	283		
	1	4.887	4.837	4.937	277		
COLUMN 2	2	4.945	4.895	4.995	273	265	
	3	5.065	5.015	5.115	246		
	4	5.105	5.055	5.155	267		
	5	5.319	5.269	5.369	262		
Aroclor-1260	1	7.392	7.342	7.442	277	261	16.15
COLUMN 1	2	7.644	7.594	7.694	335		
	3	8.003	7.953	8.053	218		
	4	8.23	8.18	8.28	240		
	5	8.556	8.506	8.606	236		
	1	6.347	6.297	6.397	269		
COLUMN 2	2	6.534	6.484	6.584	242	222	
	3	6.687	6.637	6.737	232		
	4	7.155	7.105	7.205	155		
	5	7.395	7.345	7.445	209		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SS-01-1-2MSD

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-02MSD

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP075717.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.803	5.753	5.853	282	303	9.69
COLUMN 1	2	5.825	5.775	5.875	313		
	3	5.887	5.837	5.937	265		
	4	5.983	5.933	6.033	347		
	5	6.276	6.226	6.326	307		
	1	4.888	4.838	4.938	277		
COLUMN 2	2	4.945	4.895	4.995	274	275	
	3	5.065	5.015	5.115	257		
	4	5.105	5.055	5.155	292		
	5	5.319	5.269	5.369	274		
Aroclor-1260	1	7.392	7.342	7.442	312	320	20.69
COLUMN 1	2	7.642	7.592	7.692	459		
	3	8.003	7.953	8.053	256		
	4	8.229	8.179	8.279	304		
	5	8.557	8.507	8.607	267		
	1	6.347	6.297	6.397	306		
COLUMN 2	2	6.534	6.484	6.584	287	260	
	3	6.687	6.637	6.737	264		
	4	7.156	7.106	7.206	188		
	5	7.395	7.345	7.445	253		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SS-01-2-3

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-03

Date(s) Analyzed: 10/10/2025 10/10/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP075718.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1260	1	7.367	7.317	7.417	39.2	24.5	72.22
COLUMN 1	2	7.63	7.58	7.68	21.4		
	3	8.003	7.953	8.053	26.1		
	4	8.229	8.179	8.279	15.5		
	5	8.555	8.505	8.605	20.2		
	1	6.344	6.294	6.394	10.6	11.5	
COLUMN 2	2	6.555	6.505	6.605	10.7		
	3	6.687	6.637	6.737	8.81		
	4	7.153	7.103	7.203	13.1		
	5	7.392	7.342	7.442	14.5		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170053BS

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: PB170053BS

Date(s) Analyzed: 10/15/2025 10/15/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP075791.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.806	5.756	5.856	128	130	7.17
COLUMN 1	2	5.827	5.777	5.877	133		
	3	5.89	5.84	5.94	125		
	4	5.987	5.937	6.037	132		
	5	6.279	6.229	6.329	131		
	1	4.886	4.836	4.936	130		
COLUMN 2	2	4.944	4.894	4.994	131	121	
	3	5.065	5.015	5.115	113		
	4	5.106	5.056	5.156	110		
	5	5.318	5.268	5.368	119		
	Aroclor-1260	1	7.396	7.346	7.446		
COLUMN 1	2	7.648	7.598	7.698	131		
	3	8.007	7.957	8.057	117		
	4	8.233	8.183	8.283	131		
	5	8.56	8.51	8.61	123		
	1	6.346	6.296	6.396	120	110	
COLUMN 2	2	6.534	6.484	6.584	120		
	3	6.687	6.637	6.737	117		
	4	7.155	7.105	7.205	97.3		
	5	7.396	7.346	7.446	97.3		



QC SAMPLE DATA

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc	Date Collected:	
Project: Con Edison Richmond Terrace	Date Received:	
Client Sample ID: PB170053BL	SDG No.:	Q3310
Lab Sample ID: PB170053BL	Matrix:	SOIL
Analytical Method: 8082A	% Solid:	100
Sample Wt/Vol: 30.01 g	Test:	PCB
Prep Method: SW3541B	Final Vol: 10000 uL	
	Prep Date 10/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	3.90	U	1	3.90	17.0	ug/kg	10/10/25 12:42	PB170053
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	10/10/25 12:42	PB170053
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	10/10/25 12:42	PB170053
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	10/10/25 12:42	PB170053
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	10/10/25 12:42	PB170053
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	10/10/25 12:42	PB170053
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	10/10/25 12:42	PB170053
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	10/10/25 12:42	PB170053
11096-82-5	Aroclor-1260	3.20	U	1	3.20	17.0	ug/kg	10/10/25 12:42	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.7			32 - 144	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.3			32 - 175	126%	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_P\Data\PP101025\
Data File : PP075711.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:42
Operator : YP\AJ
Sample : PB170053BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170053BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:33:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.649	3.788	32274931	142.5E6	24.666	23.358
2) SA Decachlor...	10.424	8.788	24453387	152.3E6	24.513	25.254

Target Compounds

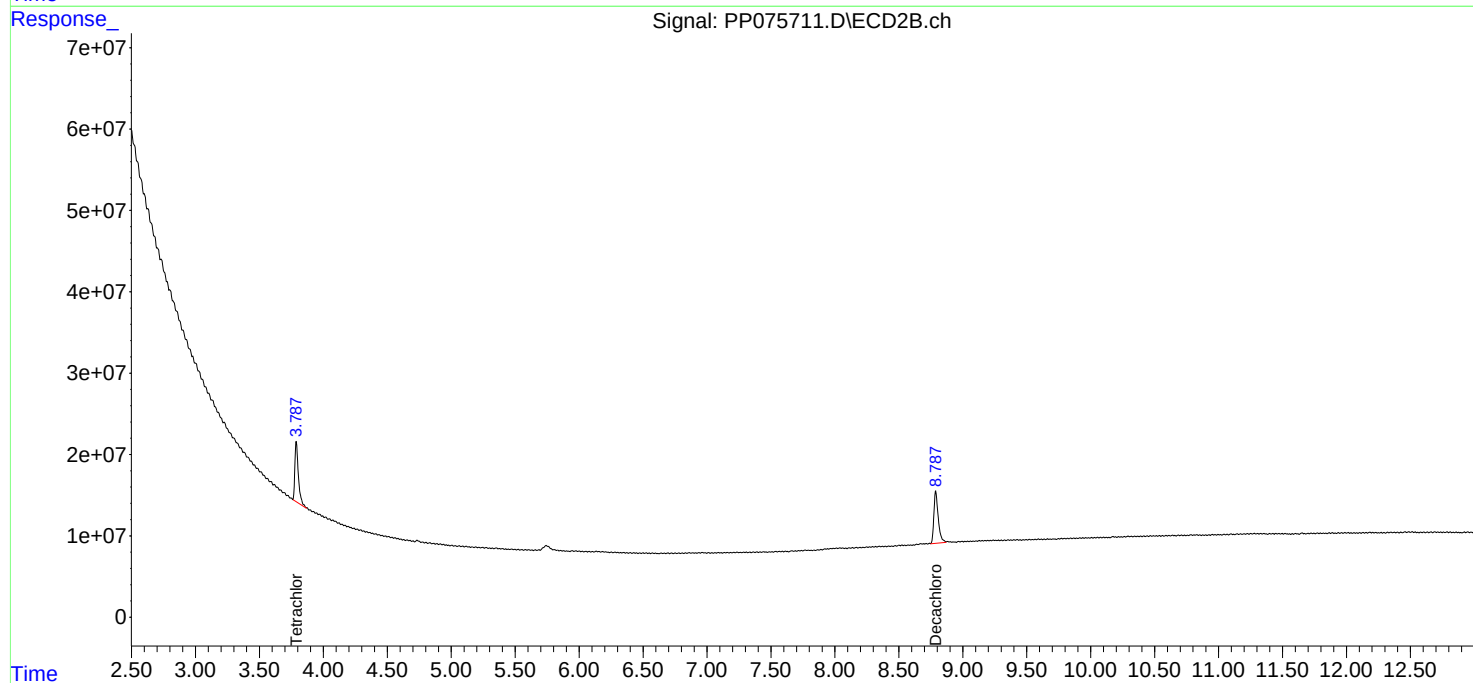
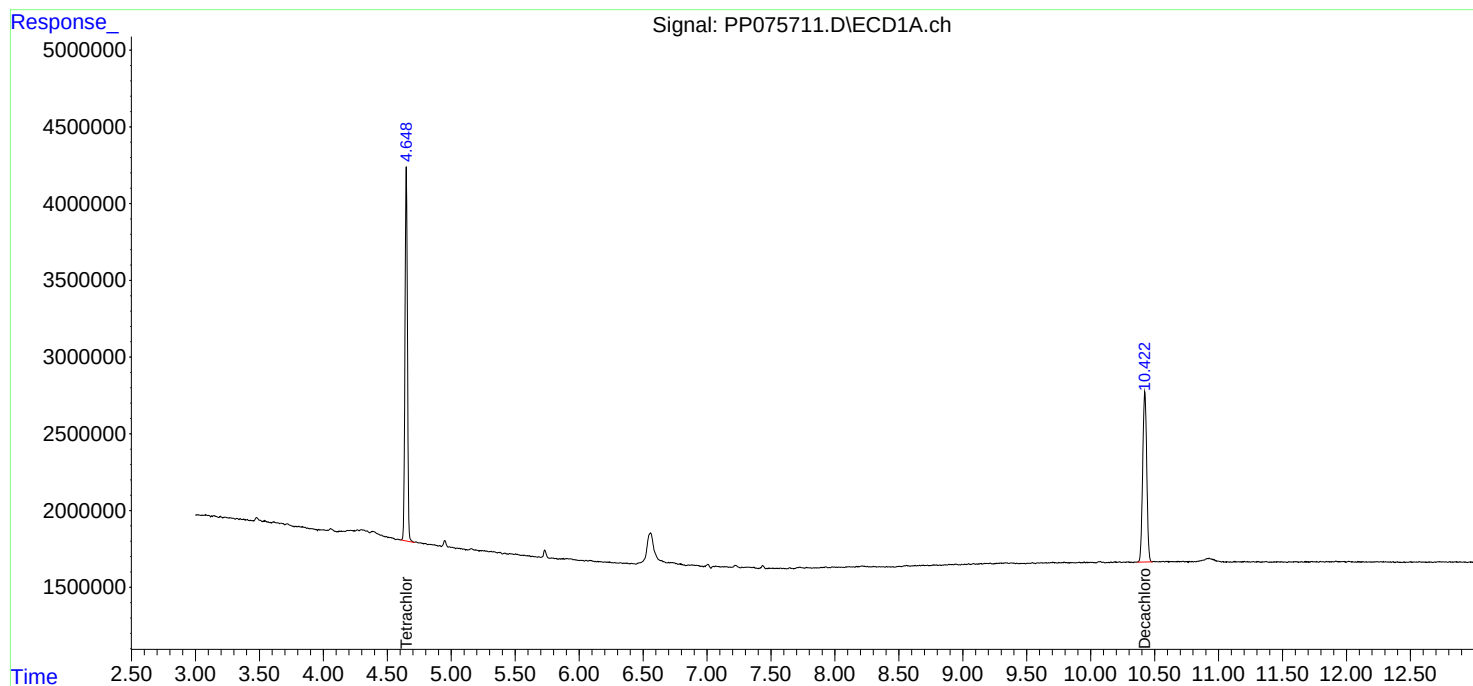
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

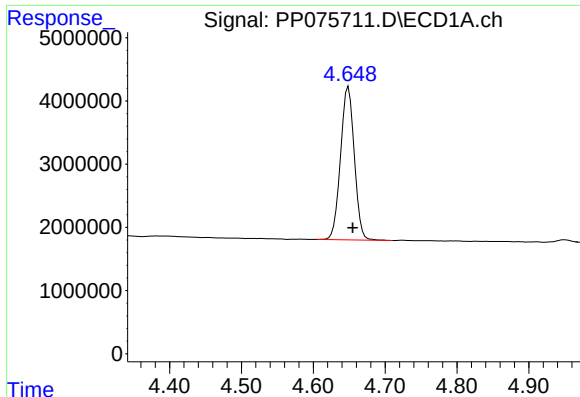
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075711.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 12:42
Operator : YP\AJ
Sample : PB170053BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170053BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 14:33:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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

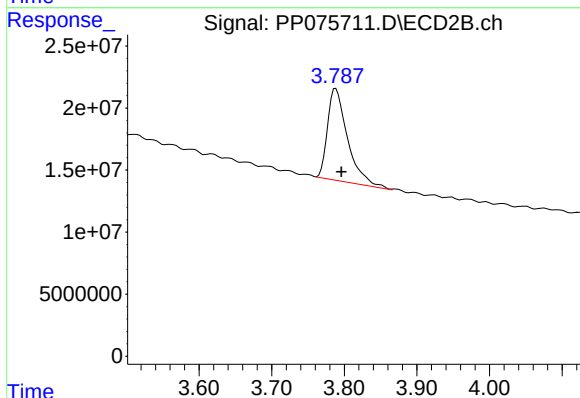




#1 Tetrachloro-m-xylene

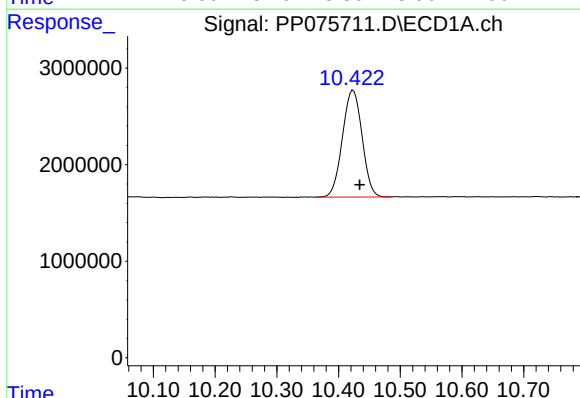
R.T.: 4.649 min
Delta R.T.: -0.006 min
Response: 32274931
Conc: 24.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB170053BL



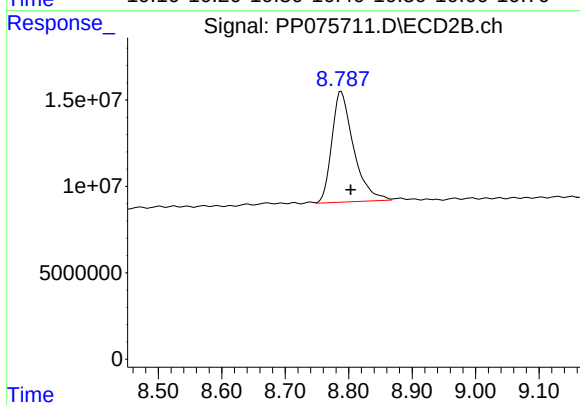
#1 Tetrachloro-m-xylene

R.T.: 3.788 min
Delta R.T.: -0.008 min
Response: 142503656
Conc: 23.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.424 min
Delta R.T.: -0.011 min
Response: 24453387
Conc: 24.51 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.788 min
Delta R.T.: -0.015 min
Response: 152345974
Conc: 25.25 ng/ml



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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	09/23/25	
Project:	Con Edison Richmond Terrace		Date Received:	09/23/25	
Client Sample ID:	PIBLK-PP075246.D		SDG No.:	Q3310	
Lab Sample ID:	I.BLK-PP075246.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	09/23/25	pp092325
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	09/23/25	pp092325
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	09/23/25	pp092325
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	09/23/25	pp092325
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	09/23/25	pp092325
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	09/23/25	pp092325
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	09/23/25	pp092325
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	09/23/25	pp092325
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	09/23/25	pp092325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.9			60 - 140	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.4			60 - 140	97%	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_P\Data\PP092325\
Data File : PP075246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 08:29
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:44:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	4.657	3.797	26080915	109.2E6	19.932	17.901
2)	SA Decachlor...	10.437	8.805	19354075	120.9E6	19.402	20.045

Target Compounds

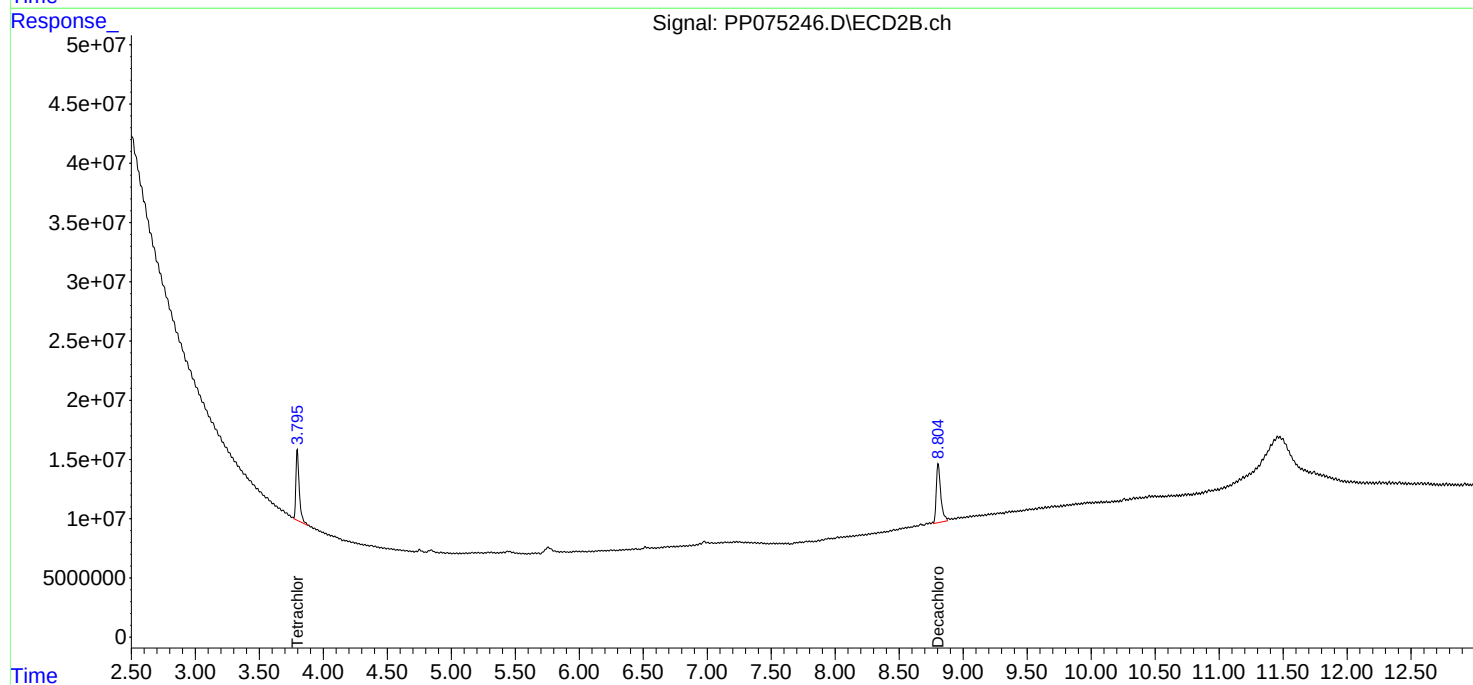
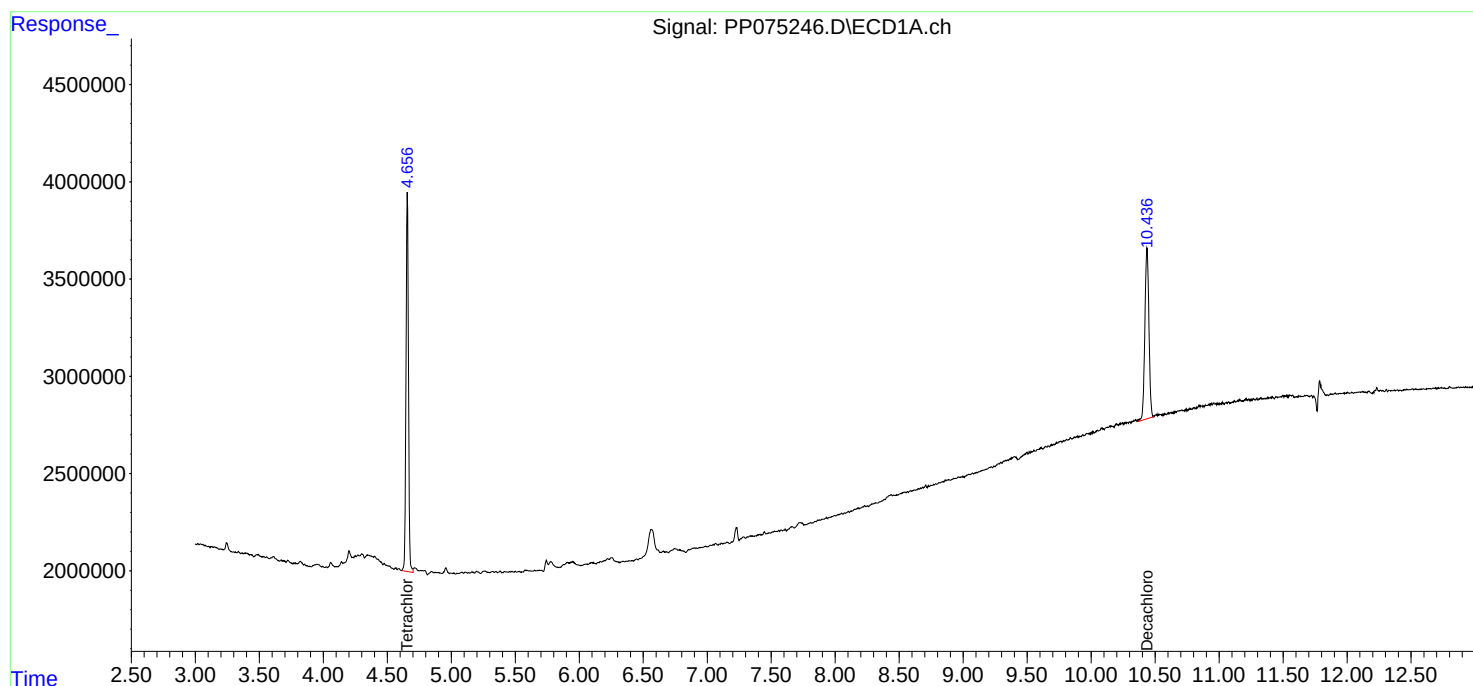
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

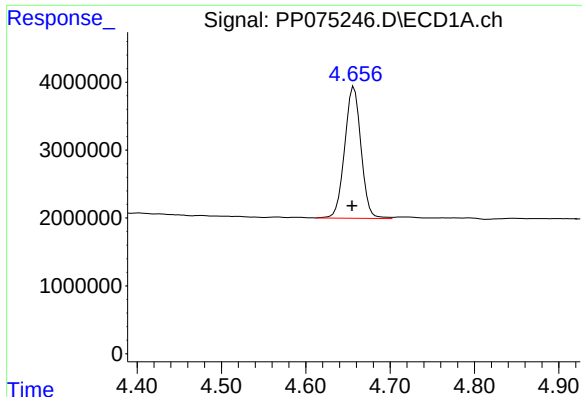
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP092325\
Data File : PP075246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 08:29
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 17:44:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 23 17:43:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

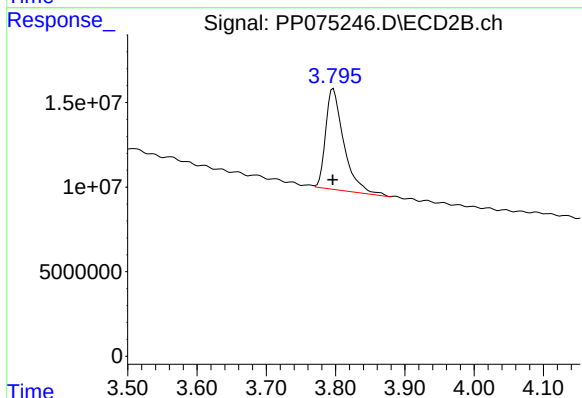




#1 Tetrachloro-m-xylene

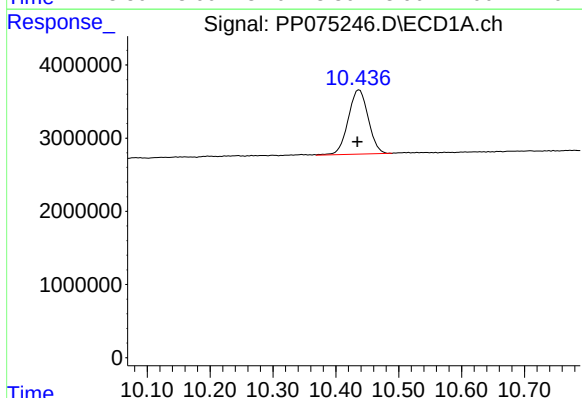
R.T.: 4.657 min
Delta R.T.: 0.002 min
Response: 26080915
Conc: 19.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



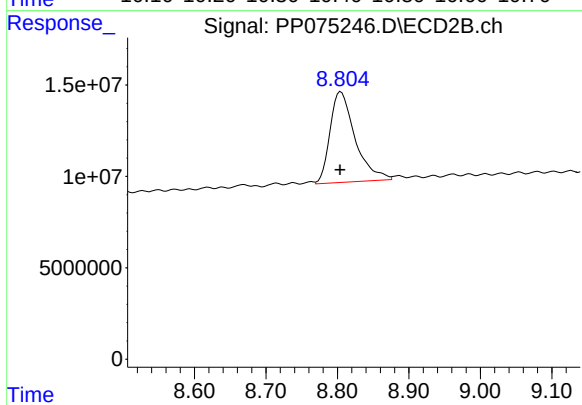
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.000 min
Response: 109213871
Conc: 17.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.437 min
Delta R.T.: 0.003 min
Response: 19354075
Conc: 19.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.805 min
Delta R.T.: 0.001 min
Response: 120921024
Conc: 20.04 ng/ml

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc	Date Collected: 10/10/25	
Project: Con Edison Richmond Terrace	Date Received: 10/10/25	
Client Sample ID: PIBLK-PP075708.D	SDG No.: Q3310	
Lab Sample ID: I.BLK-PP075708.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	10/10/25	PP101025
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/10/25	PP101025
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/10/25	PP101025
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/10/25	PP101025
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/10/25	PP101025
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/10/25	PP101025
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/10/25	PP101025
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/10/25	PP101025
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/10/25	PP101025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	16.4			60 - 140	82%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.6			60 - 140	103%	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_P\Data\PP101025\
Data File : PP075708.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 09:59
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 11:38:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.647	3.789	26279028	100.0E6	20.084	16.391
2)	SA Decachlor...	10.419	8.786	20744710	124.6E6	20.796	20.647

Target Compounds

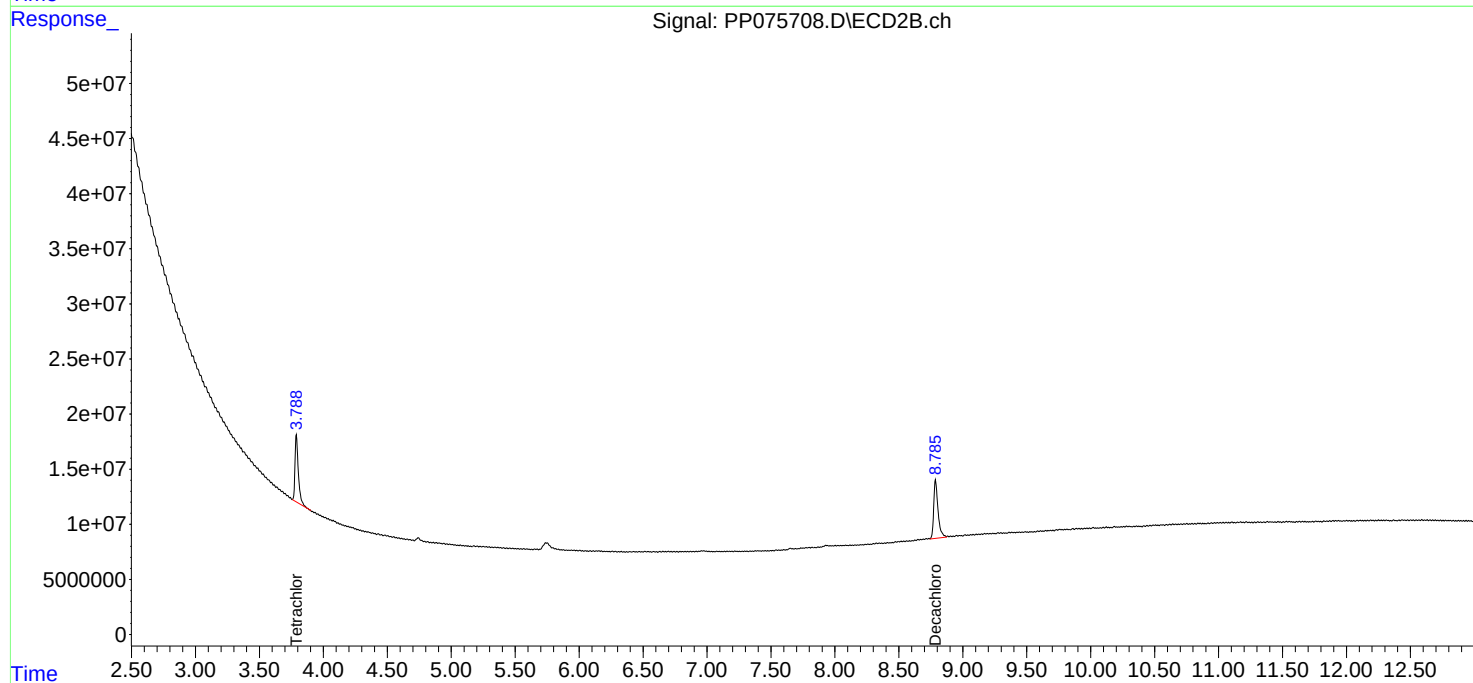
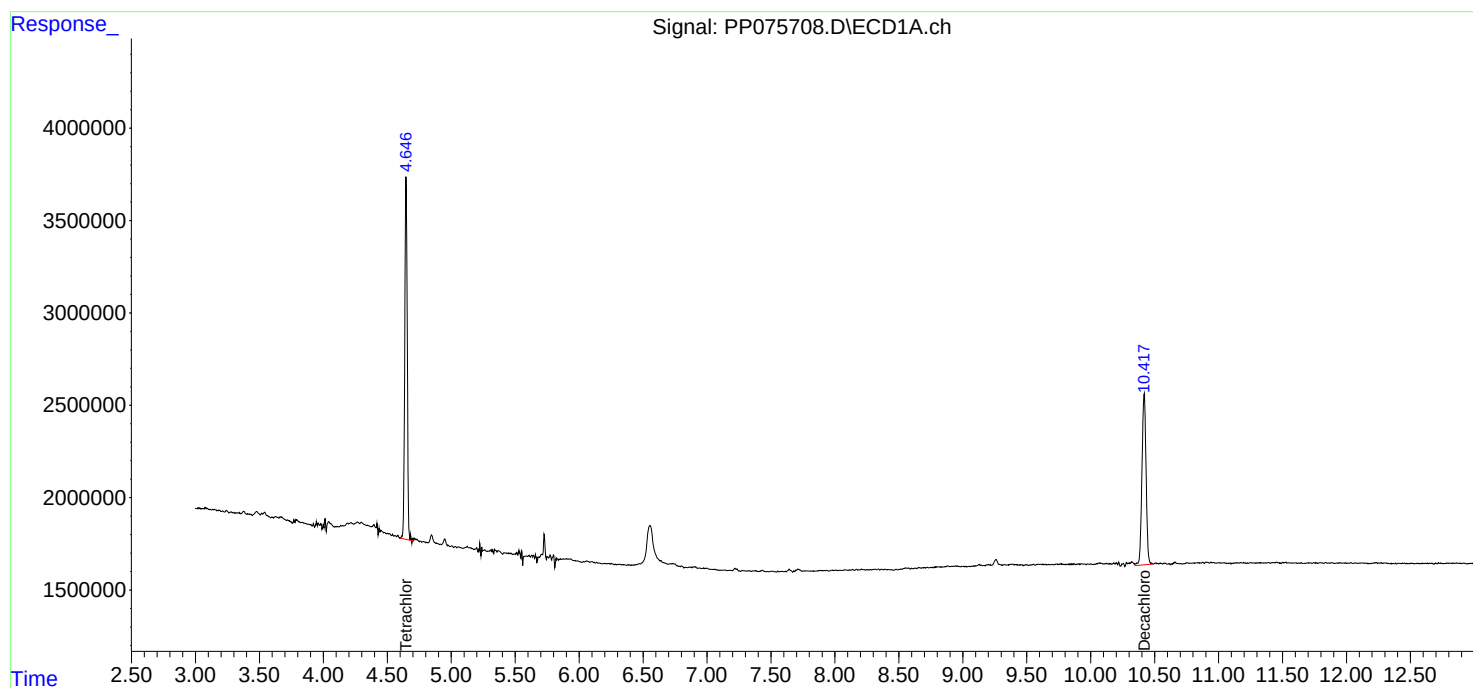
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075708.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 09:59
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

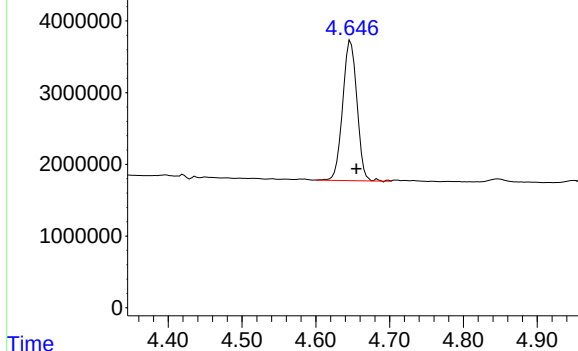
Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 11:38:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



Response_ Signal: PP075708.D\ECD1A.ch

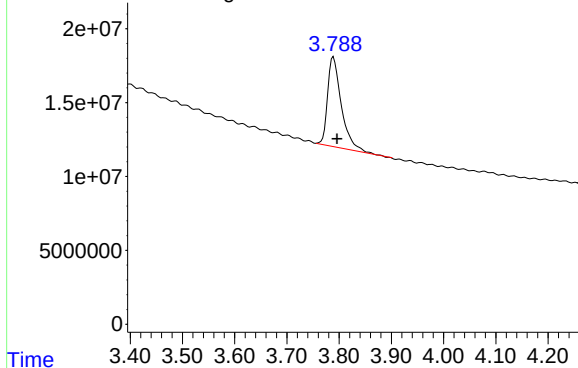


#1 Tetrachloro-m-xylene

R.T.: 4.647 min
Delta R.T.: -0.008 min
Response: 26279028
Conc: 20.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK

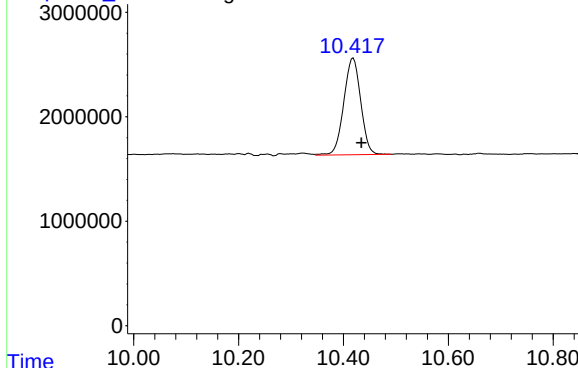
Response_ Signal: PP075708.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.789 min
Delta R.T.: -0.007 min
Response: 100001825
Conc: 16.39 ng/ml

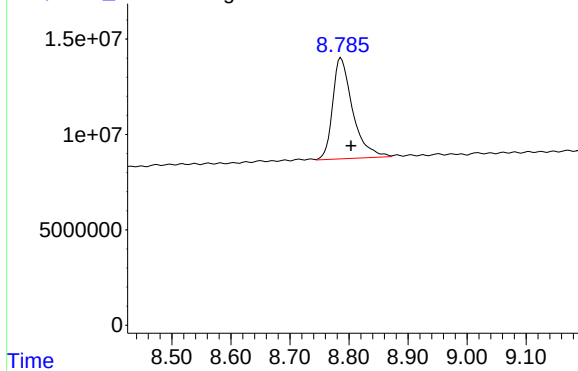
Response_ Signal: PP075708.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.419 min
Delta R.T.: -0.016 min
Response: 20744710
Conc: 20.80 ng/ml

Response_ Signal: PP075708.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: -0.017 min
Response: 124555714
Conc: 20.65 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected: 10/10/25
Project:	Con Edison Richmond Terrace	Date Received: 10/10/25
Client Sample ID:	PIBLK-PP075723.D	SDG No.: Q3310
Lab Sample ID:	I.BLK-PP075723.D	Matrix: WATER
Analytical Method:	8082A	% Solid: 0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL
Prep Method:	5030	Test: PCB
	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	10/10/25	pp101025
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/10/25	pp101025
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/10/25	pp101025
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/10/25	pp101025
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/10/25	pp101025
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/10/25	pp101025
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/10/25	pp101025
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/10/25	pp101025
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/10/25	pp101025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.7			60 - 140	94%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.3			60 - 140	101%	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_P\Data\PP101025\
Data File : PP075723.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:02
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:37:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.652	3.793	26100144	114.1E6	19.947	18.702
2) SA Decachlor...	10.423	8.792	20211592	125.4E6	20.261	20.793

Target Compounds

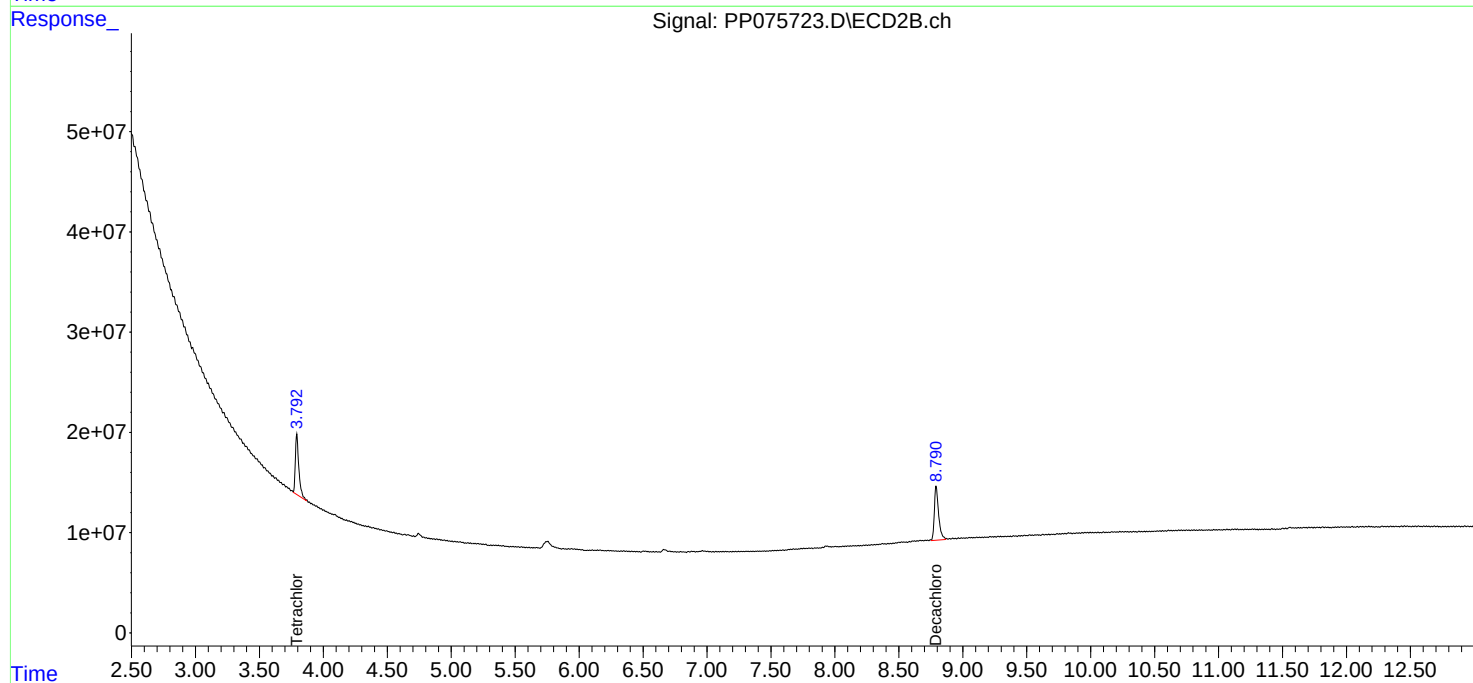
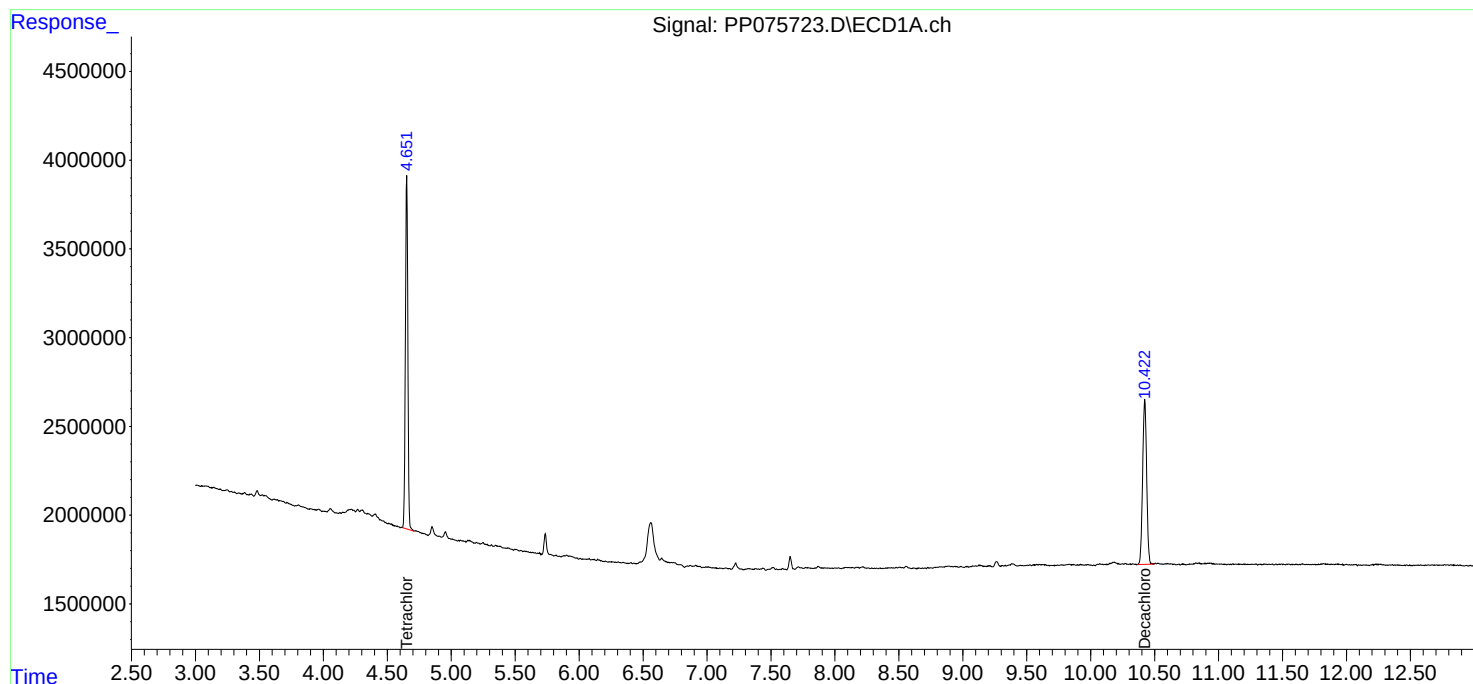
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

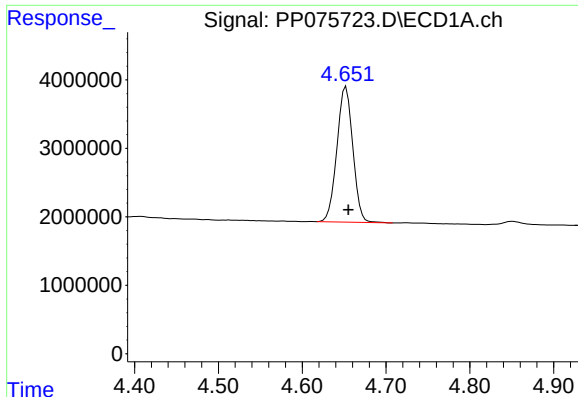
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075723.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:02
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:37:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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

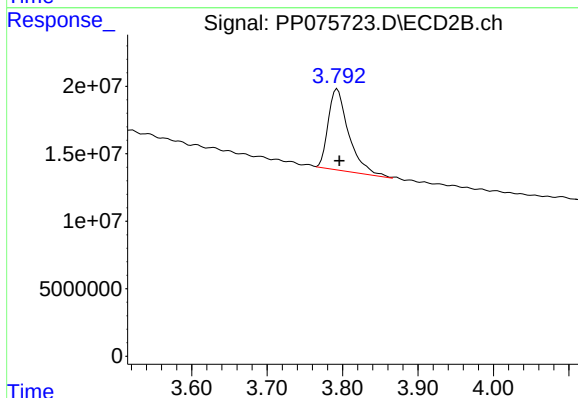




#1 Tetrachloro-m-xylene

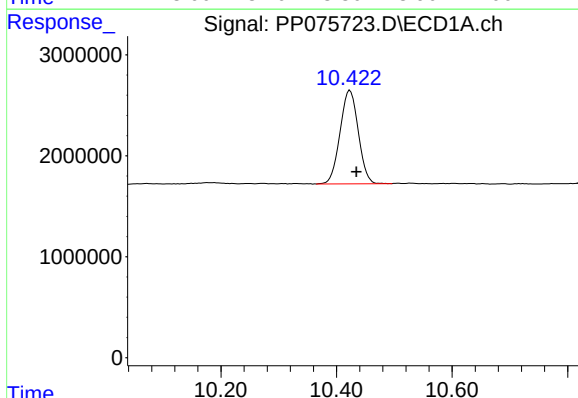
R.T.: 4.652 min
Delta R.T.: -0.003 min
Response: 26100144
Conc: 19.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



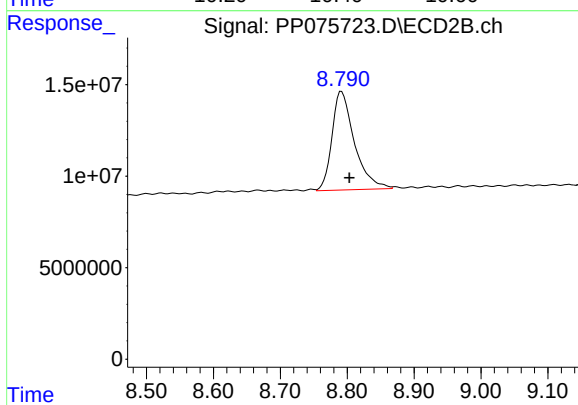
#1 Tetrachloro-m-xylene

R.T.: 3.793 min
Delta R.T.: -0.003 min
Response: 114098532
Conc: 18.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: -0.011 min
Response: 20211592
Conc: 20.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.792 min
Delta R.T.: -0.012 min
Response: 125433417
Conc: 20.79 ng/ml

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc	Date Collected: 10/15/25	
Project: Con Edison Richmond Terrace	Date Received: 10/15/25	
Client Sample ID: PIBLK-PP075790.D	SDG No.: Q3310	
Lab Sample ID: I.BLK-PP075790.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	10/15/25	pp101525
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/15/25	pp101525
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/15/25	pp101525
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/15/25	pp101525
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/15/25	pp101525
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/15/25	pp101525
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/15/25	pp101525
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/15/25	pp101525
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/15/25	pp101525
SURROGATES									
877-09-8	Tetrachloro-m-xylene	16.4			60 - 140	82%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.0			60 - 140	105%	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_P\Data\PP101525\
Data File : PP075790.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 11:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:47:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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...	4.651	3.790	28679636	99941815	21.918	16.382 #
2)	SA Decachlor...	10.428	8.789	20905064	133.3E6	20.956	22.094

Target Compounds

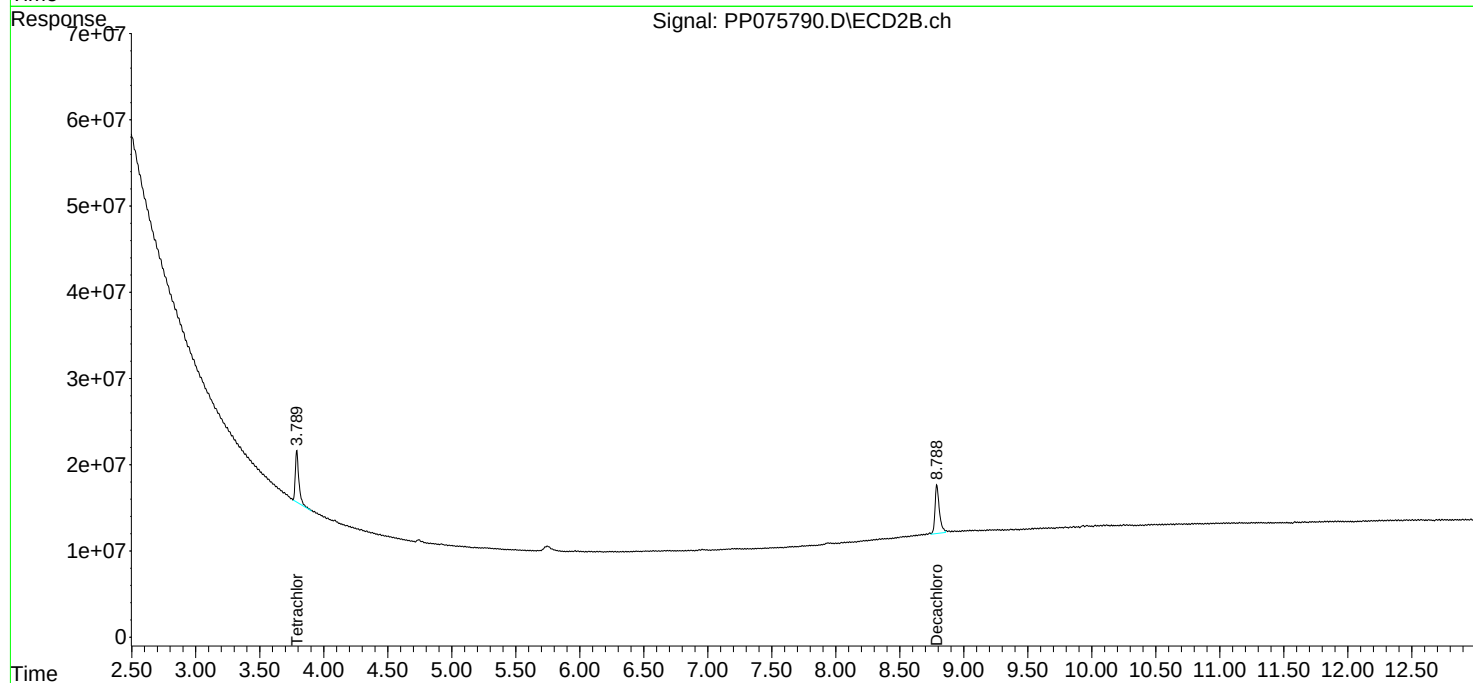
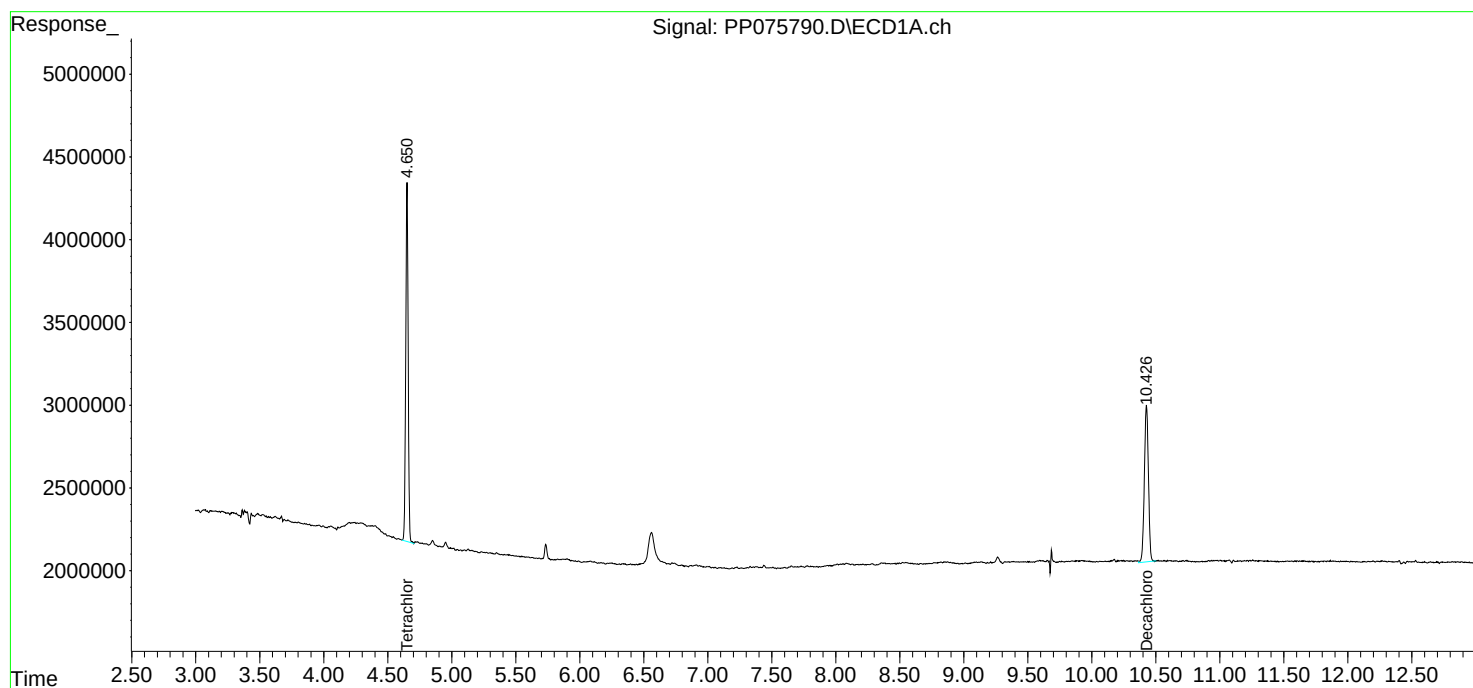
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

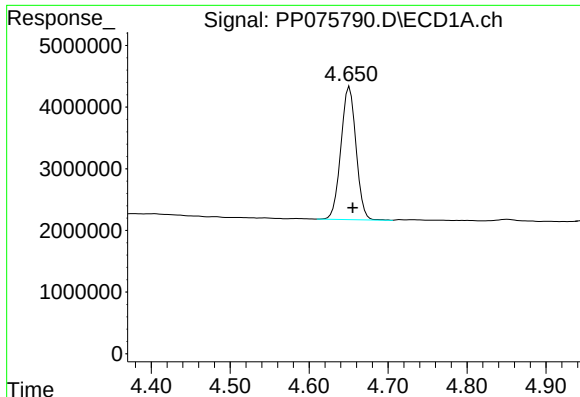
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101525\
Data File : PP075790.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 11:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:47:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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

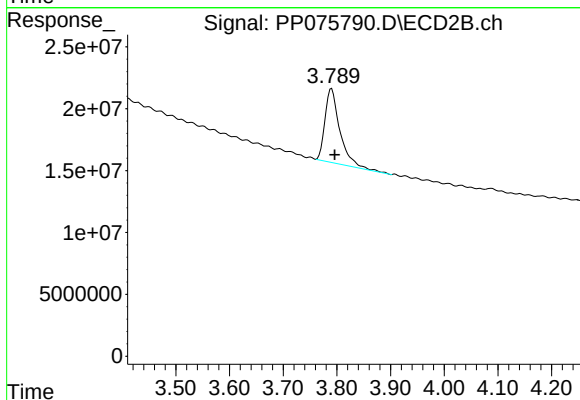




#1 Tetrachloro-m-xylene

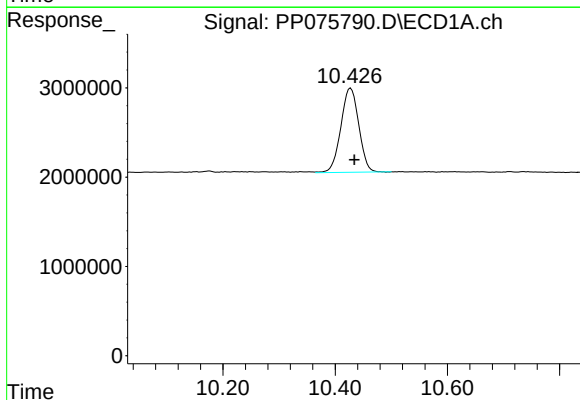
R.T.: 4.651 min
Delta R.T.: -0.004 min
Response: 28679636
Conc: 21.92 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



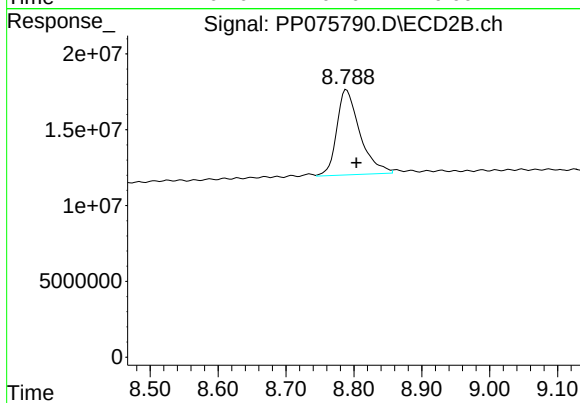
#1 Tetrachloro-m-xylene

R.T.: 3.790 min
Delta R.T.: -0.006 min
Response: 99941815
Conc: 16.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.428 min
Delta R.T.: -0.007 min
Response: 20905064
Conc: 20.96 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.789 min
Delta R.T.: -0.014 min
Response: 133284915
Conc: 22.09 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected: 10/15/25
Project:	Con Edison Richmond Terrace	Date Received: 10/15/25
Client Sample ID:	PIBLK-PP075805.D	SDG No.: Q3310
Lab Sample ID:	I.BLK-PP075805.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	10/15/25	pp101525
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	10/15/25	pp101525
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	10/15/25	pp101525
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	10/15/25	pp101525
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	10/15/25	pp101525
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	10/15/25	pp101525
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	10/15/25	pp101525
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	10/15/25	pp101525
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	10/15/25	pp101525
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.2			60 - 140	91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.1			60 - 140	101%	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_P\Data\PP101525\
 Data File : PP075805.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 16:51
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:56:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.652	3.790	27758256	111.1E6	21.214	18.217
2) SA Decachlor...	10.431	8.792	20047124	128.0E6	20.096	21.226

Target Compounds

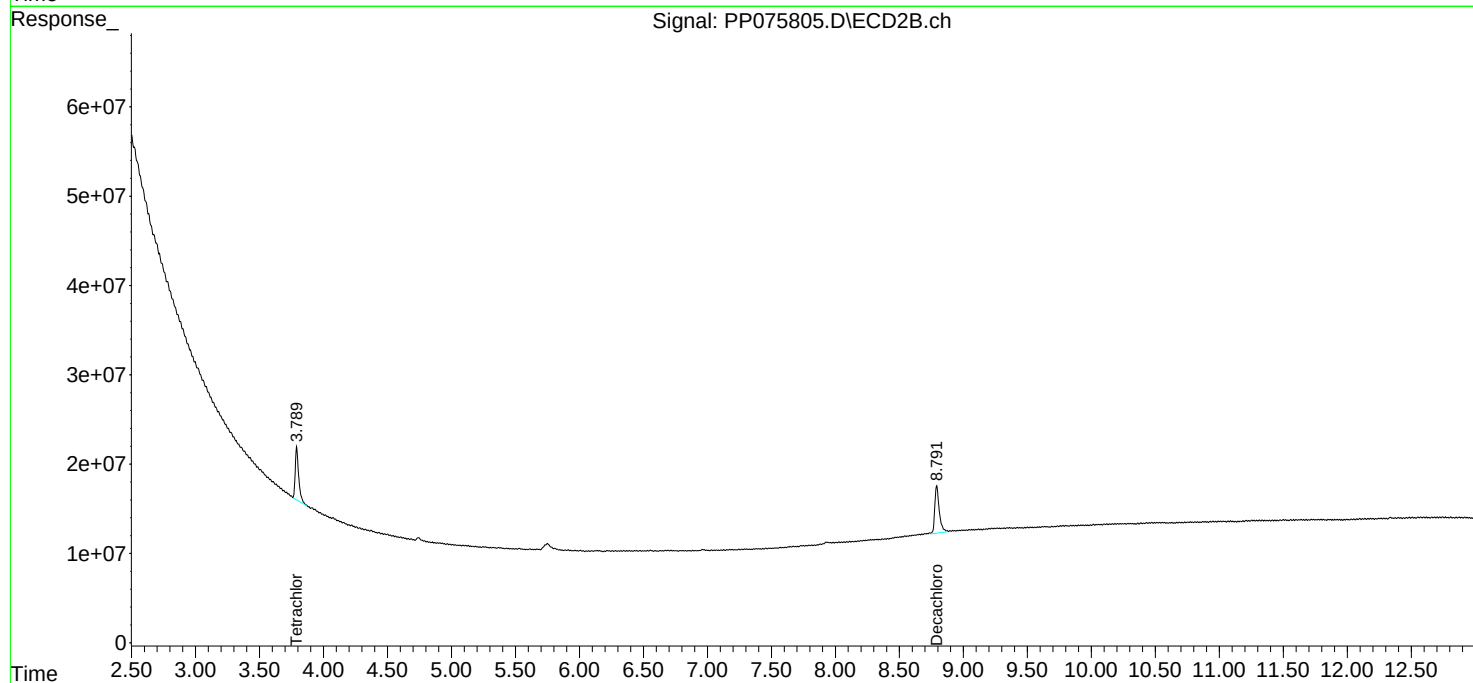
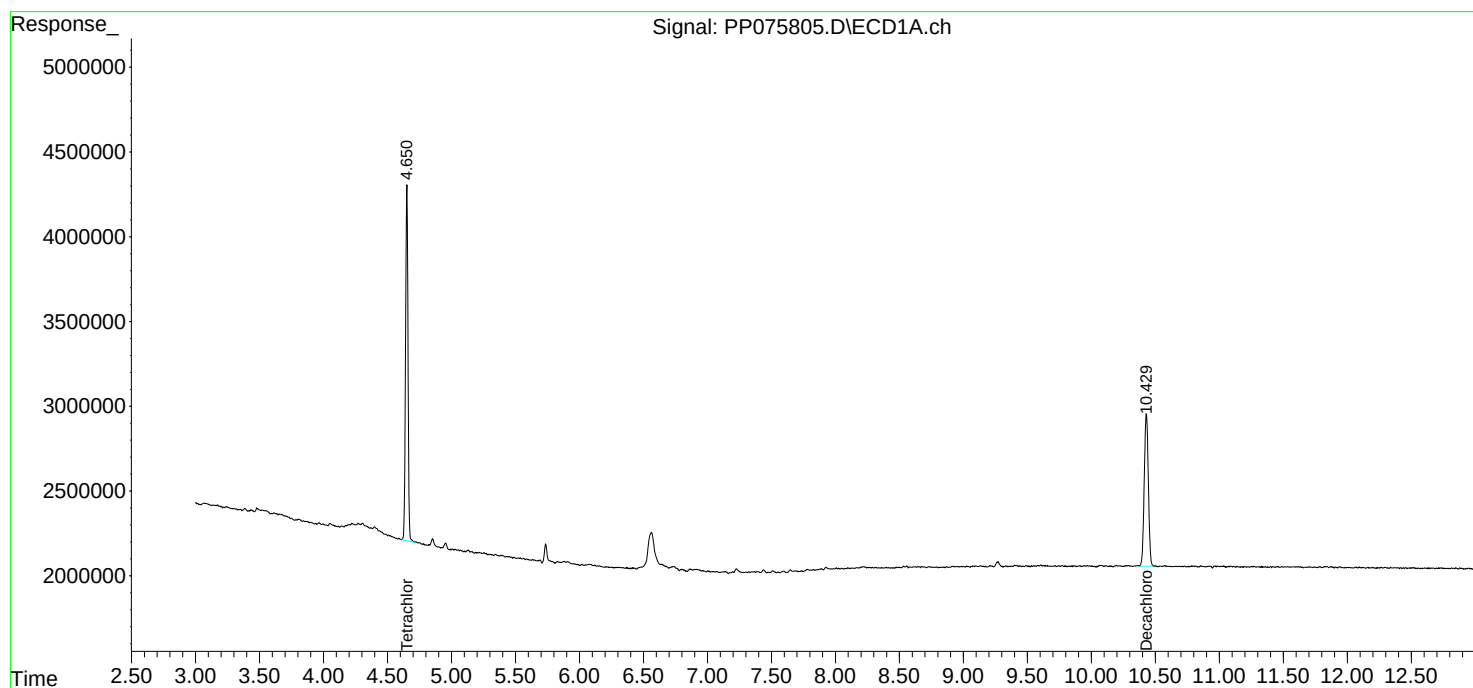
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

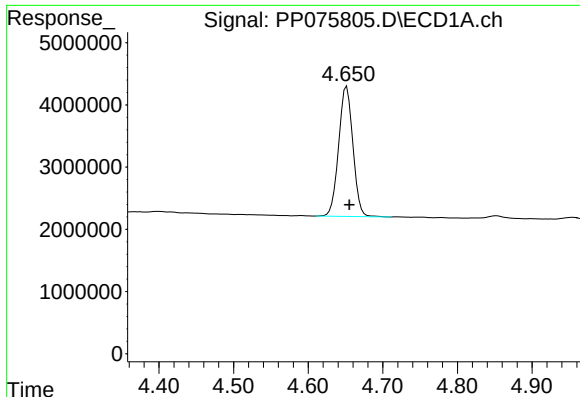
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101525\
Data File : PP075805.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 16:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:56:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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

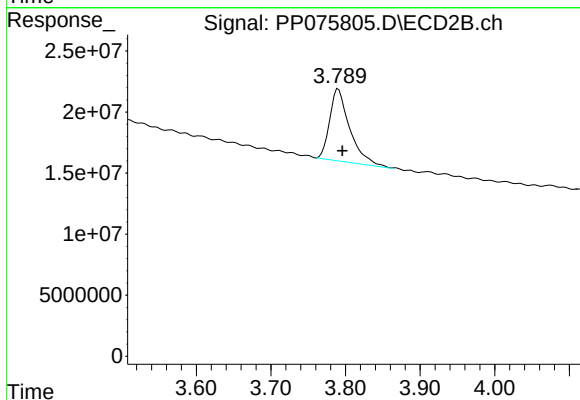




#1 Tetrachloro-m-xylene

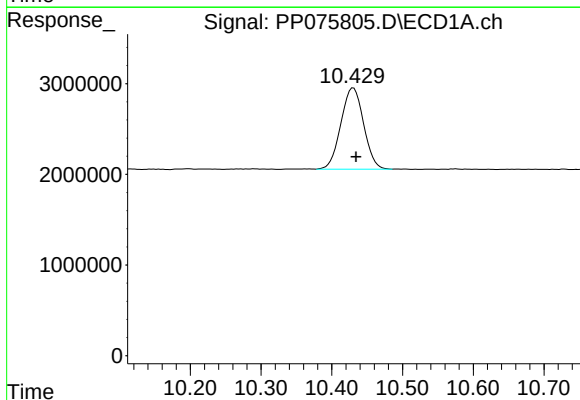
R.T.: 4.652 min
Delta R.T.: -0.003 min
Response: 27758256
Conc: 21.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



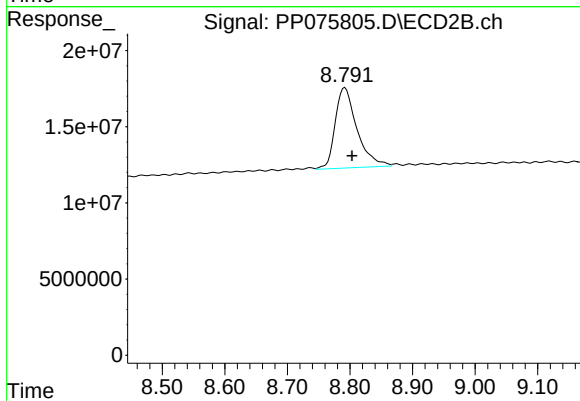
#1 Tetrachloro-m-xylene

R.T.: 3.790 min
Delta R.T.: -0.006 min
Response: 111137203
Conc: 18.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.431 min
Delta R.T.: -0.004 min
Response: 20047124
Conc: 20.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.792 min
Delta R.T.: -0.011 min
Response: 128047980
Conc: 21.23 ng/ml



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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	
Project:	Con Edison Richmond Terrace		Date Received:	
Client Sample ID:	PB170053BS		SDG No.:	Q3310
Lab Sample ID:	PB170053BS		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	130		1	3.90	17.0	ug/kg	10/15/25 11:26	PB170053
11104-28-2	Aroclor-1221	4.00	U	1	4.00	17.0	ug/kg	10/15/25 11:26	PB170053
11141-16-5	Aroclor-1232	3.70	U	1	3.70	17.0	ug/kg	10/15/25 11:26	PB170053
53469-21-9	Aroclor-1242	4.00	U	1	4.00	17.0	ug/kg	10/15/25 11:26	PB170053
12672-29-6	Aroclor-1248	5.90	U	1	5.90	17.0	ug/kg	10/15/25 11:26	PB170053
11097-69-1	Aroclor-1254	3.20	U	1	3.20	17.0	ug/kg	10/15/25 11:26	PB170053
37324-23-5	Aroclor-1262	5.00	U	1	5.00	17.0	ug/kg	10/15/25 11:26	PB170053
11100-14-4	Aroclor-1268	3.60	U	1	3.60	17.0	ug/kg	10/15/25 11:26	PB170053
11096-82-5	Aroclor-1260	127		1	3.20	17.0	ug/kg	10/15/25 11:26	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	15.9			32 - 144	80%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.8			32 - 175	74%	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_P\Data\PP101525\
 Data File : PP075791.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 11:26
 Operator : YP\AJ
 Sample : PB170053BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB170053BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 01:48:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.653	3.792	20864037	77662953	15.945	12.730
2) SA Decachlor...	10.429	8.792	14465964	89271091	14.502	14.798
Target Compounds						
3) L1 AR-1016-1	5.806	4.886	18487118	218.8E6	384.309	390.049m
4) L1 AR-1016-2	5.827	4.944	28580466	100.9E6	398.453	392.580m
5) L1 AR-1016-3	5.890	5.065	17521264	52451575	376.552	337.812
6) L1 AR-1016-4	5.987	5.106	14146108	48511174	396.954	330.080
7) L1 AR-1016-5	6.279	5.318	13257400	58596397	393.146	358.646
31) L7 AR-1260-1	7.396	6.346	24304787	146.6E6	404.275	361.264
32) L7 AR-1260-2	7.648	6.534	28588665	206.8E6	392.712	359.133
33) L7 AR-1260-3	8.007	6.687	19064545	150.9E6	352.101	352.523
34) L7 AR-1260-4	8.233	7.155	22239138	126.0E6	393.354m	292.213 #
35) L7 AR-1260-5	8.560	7.396	40644096	307.3E6	370.137	292.115

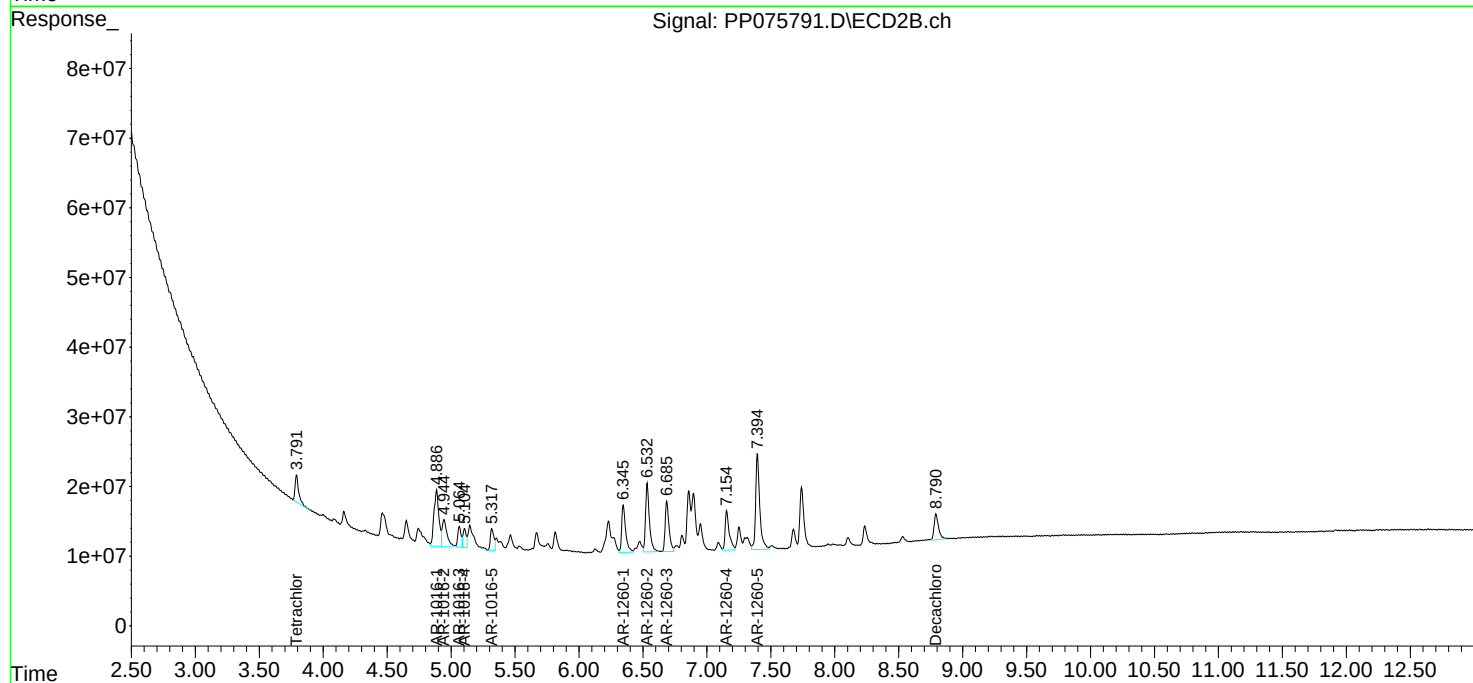
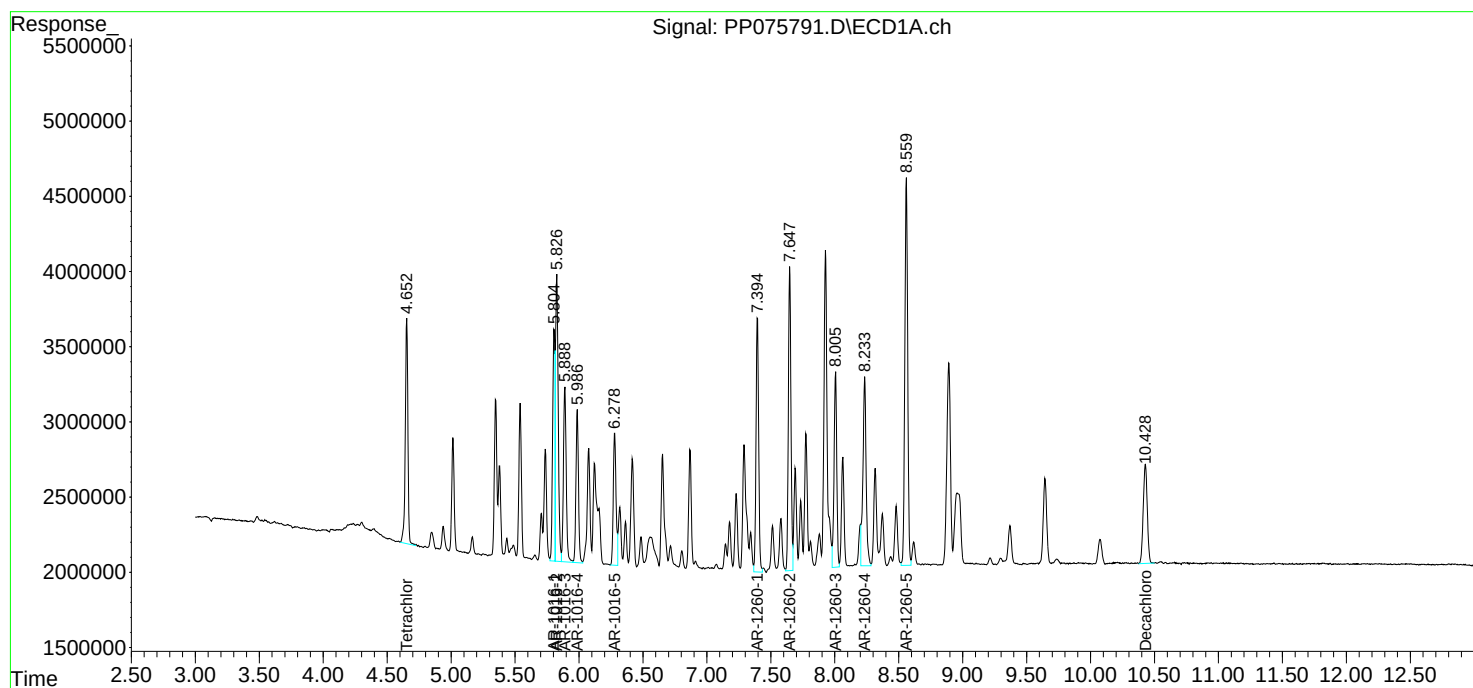
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101525\
Data File : PP075791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 11:26
Operator : YP\AJ
Sample : PB170053BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB170053BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:48:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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





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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-1-2MS	SDG No.:	Q3310
Lab Sample ID:	Q3310-02MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	72.4
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Test:	PCB
	Prep Date		10/10/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	286		1	5.40	23.4	ug/kg	10/10/25 14:03	PB170053
11104-28-2	Aroclor-1221	5.60	U	1	5.60	23.4	ug/kg	10/10/25 14:03	PB170053
11141-16-5	Aroclor-1232	5.10	U	1	5.10	23.4	ug/kg	10/10/25 14:03	PB170053
53469-21-9	Aroclor-1242	5.50	U	1	5.50	23.4	ug/kg	10/10/25 14:03	PB170053
12672-29-6	Aroclor-1248	8.20	U	1	8.20	23.4	ug/kg	10/10/25 14:03	PB170053
11097-69-1	Aroclor-1254	4.40	U	1	4.40	23.4	ug/kg	10/10/25 14:03	PB170053
37324-23-5	Aroclor-1262	6.90	U	1	6.90	23.4	ug/kg	10/10/25 14:03	PB170053
11100-14-4	Aroclor-1268	5.00	U	1	5.00	23.4	ug/kg	10/10/25 14:03	PB170053
11096-82-5	Aroclor-1260	261		1	4.50	23.4	ug/kg	10/10/25 14:03	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.8			32 - 144	104%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.8			32 - 175	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_P\Data\PP101025\
 Data File : PP075716.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:03
 Operator : YP\AJ
 Sample : Q3310-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 SS-01-1-2MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 04:33:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.651	3.793	27152913	118.0E6	20.751	19.337
2) SA Decachlor...	10.421	8.791	16708117	89938555	16.749	14.909
Target Compounds						
3) L1 AR-1016-1	5.802	4.887	28844481	338.1E6	599.618	602.743
4) L1 AR-1016-2	5.824	4.945	45512749	152.3E6	634.513	592.723
5) L1 AR-1016-3	5.887	5.065	26398322	82957323	567.330	534.283
6) L1 AR-1016-4	5.983	5.105	24489062	85215913	687.187	579.826
7) L1 AR-1016-5	6.276	5.319	20782319	93188925	616.296	570.374
31) L7 AR-1260-1	7.392	6.347	36229227	237.9E6	602.620	585.979
32) L7 AR-1260-2	7.644	6.534	53037364	303.1E6	728.555	526.304 #
33) L7 AR-1260-3	8.003	6.687	25640384	216.3E6	473.549	505.228
34) L7 AR-1260-4	8.230	7.155	29561784	145.7E6	522.874m	337.785 #
35) L7 AR-1260-5	8.556	7.395	56358710	479.0E6	513.246	455.315

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075716.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:03
Operator : YP\AJ
Sample : Q3310-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

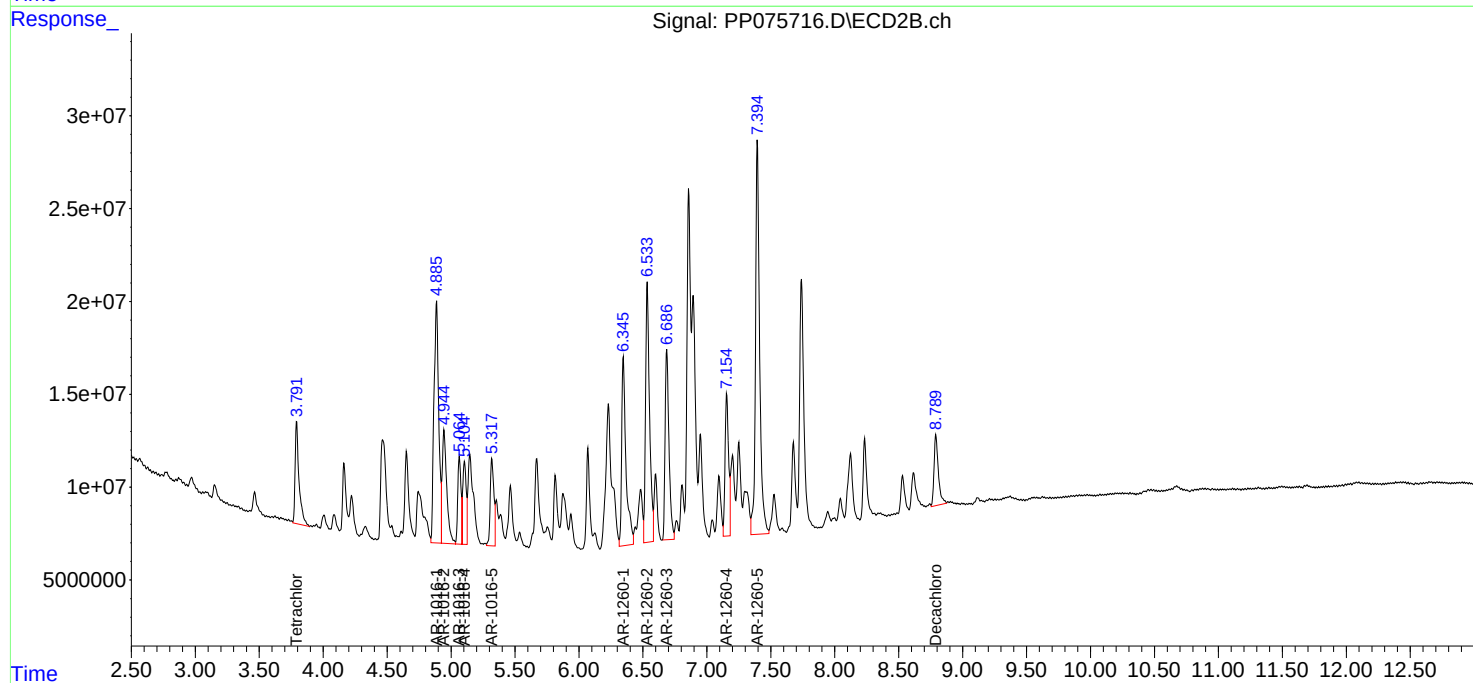
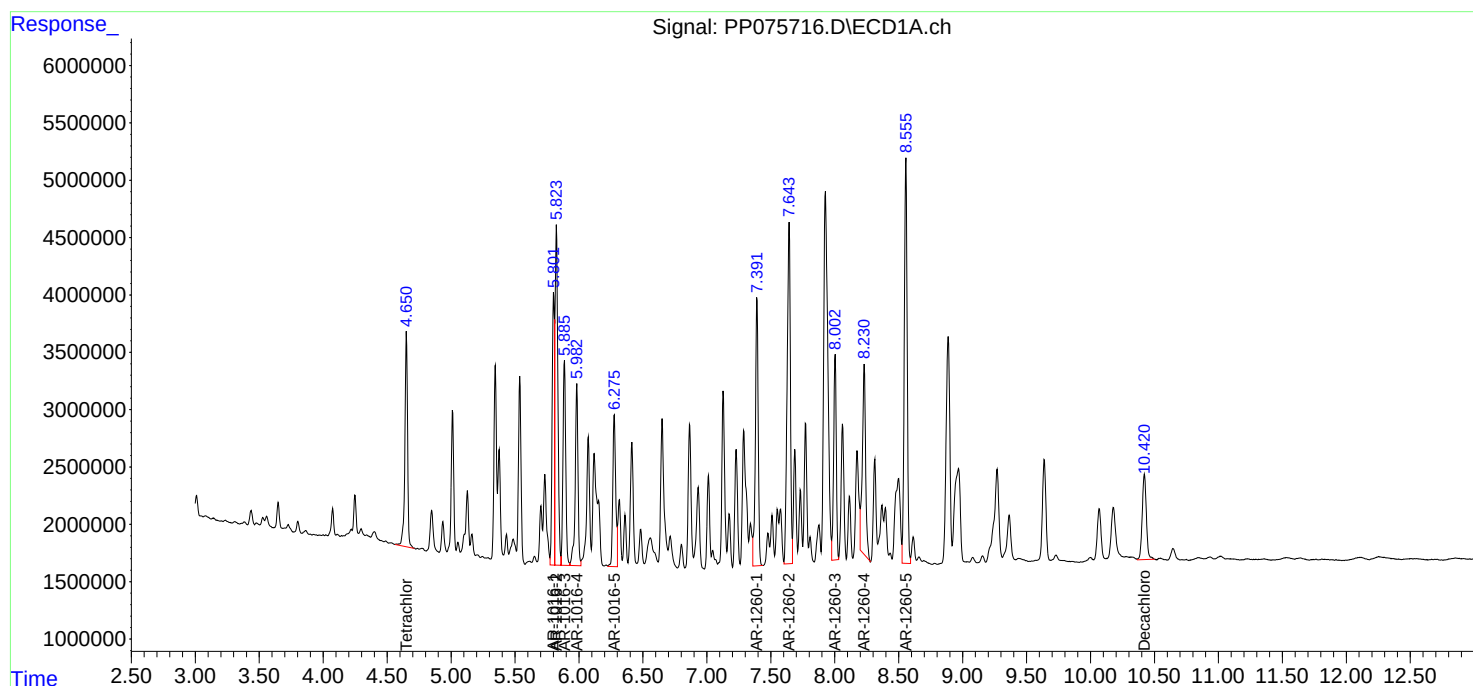
Instrument :
ECD_P
ClientSampleId :
SS-01-1-2MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:33:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected: 10/07/25
Project:	Con Edison Richmond Terrace	Date Received: 10/08/25
Client Sample ID:	SS-01-1-2MSD	SDG No.: Q3310
Lab Sample ID:	Q3310-02MSD	Matrix: SOIL
Analytical Method:	8082A	% Solid: 72.4
Sample Wt/Vol:	30.05 g Final Vol: 10000 uL	Test: PCB
Prep Method:	SW3541B Prep Date 10/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	303		1	5.40	23.4	ug/kg	10/10/25 14:20	PB170053
11104-28-2	Aroclor-1221	5.60	U	1	5.60	23.4	ug/kg	10/10/25 14:20	PB170053
11141-16-5	Aroclor-1232	5.10	U	1	5.10	23.4	ug/kg	10/10/25 14:20	PB170053
53469-21-9	Aroclor-1242	5.50	U	1	5.50	23.4	ug/kg	10/10/25 14:20	PB170053
12672-29-6	Aroclor-1248	8.20	U	1	8.20	23.4	ug/kg	10/10/25 14:20	PB170053
11097-69-1	Aroclor-1254	4.40	U	1	4.40	23.4	ug/kg	10/10/25 14:20	PB170053
37324-23-5	Aroclor-1262	6.90	U	1	6.90	23.4	ug/kg	10/10/25 14:20	PB170053
11100-14-4	Aroclor-1268	5.00	U	1	5.00	23.4	ug/kg	10/10/25 14:20	PB170053
11096-82-5	Aroclor-1260	320		1	4.50	23.4	ug/kg	10/10/25 14:20	PB170053
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.6			32 - 144	103%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.0			32 - 175	85%	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_P\Data\PP101025\
 Data File : PP075717.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:20
 Operator : YP\AJ
 Sample : Q3310-02MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 SS-01-1-2MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 04:34:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Sep 24 10:55:35 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...	4.651	3.792	26936360	120.9E6	20.586	19.814
2) SA Decachlor...	10.422	8.791	16947936	97382690	16.990	16.143
Target Compounds						
3) L1 AR-1016-1	5.803	4.888	29480251	337.9E6	612.834	602.273
4) L1 AR-1016-2	5.825	4.945	48916665	153.1E6	681.969	595.593
5) L1 AR-1016-3	5.887	5.065	26832479	86657516	576.661	558.114
6) L1 AR-1016-4	5.983	5.105	26922172	93317860	755.463	634.954
7) L1 AR-1016-5	6.276	5.319	22541693	97382499	668.470	596.041
31) L7 AR-1260-1	7.392	6.347	40857350	270.0E6	679.602	665.228
32) L7 AR-1260-2	7.642	6.534	72633034	359.8E6	997.734	624.773 #
33) L7 AR-1260-3	8.003	6.687	30109363	245.7E6	556.086	573.856
34) L7 AR-1260-4	8.229	7.156	37396102	176.7E6	661.443m	409.831 #
35) L7 AR-1260-5	8.557	7.395	63867047	579.7E6	581.623	551.059

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP101025\
Data File : PP075717.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:20
Operator : YP\AJ
Sample : Q3310-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

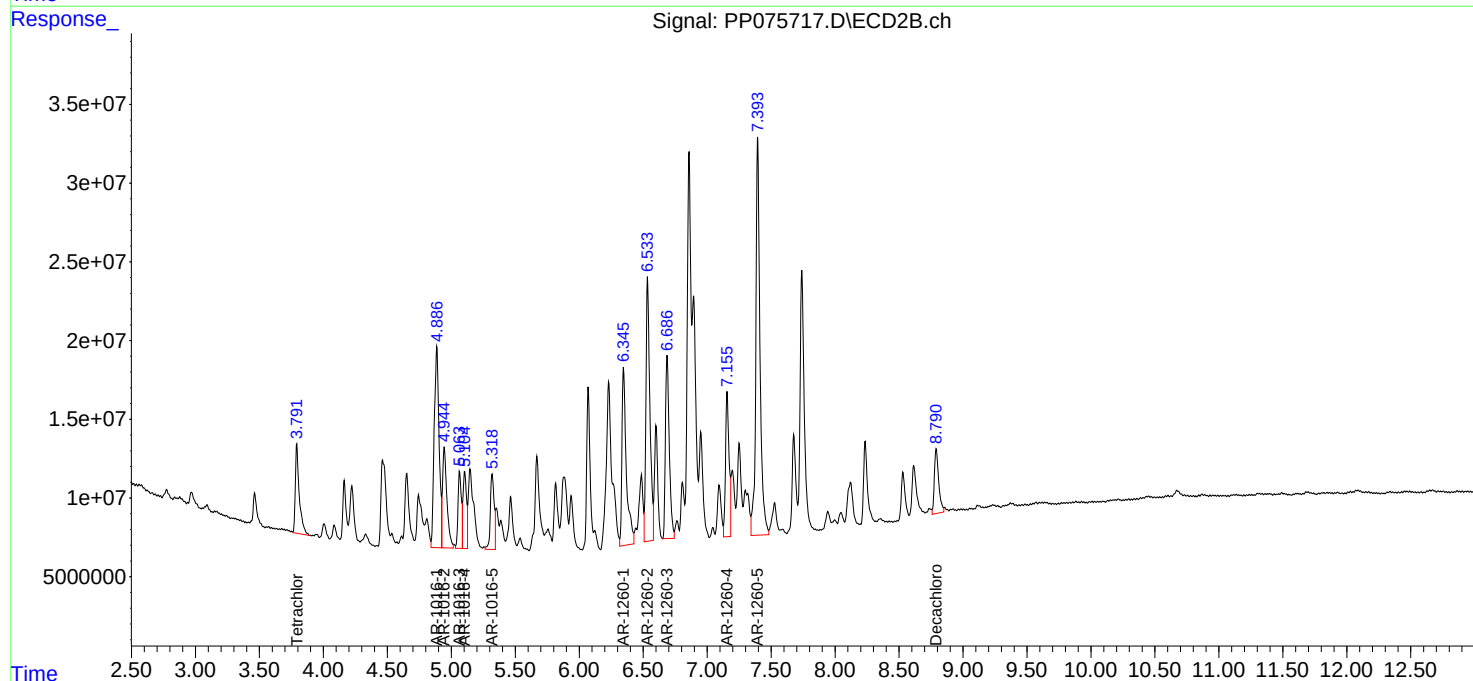
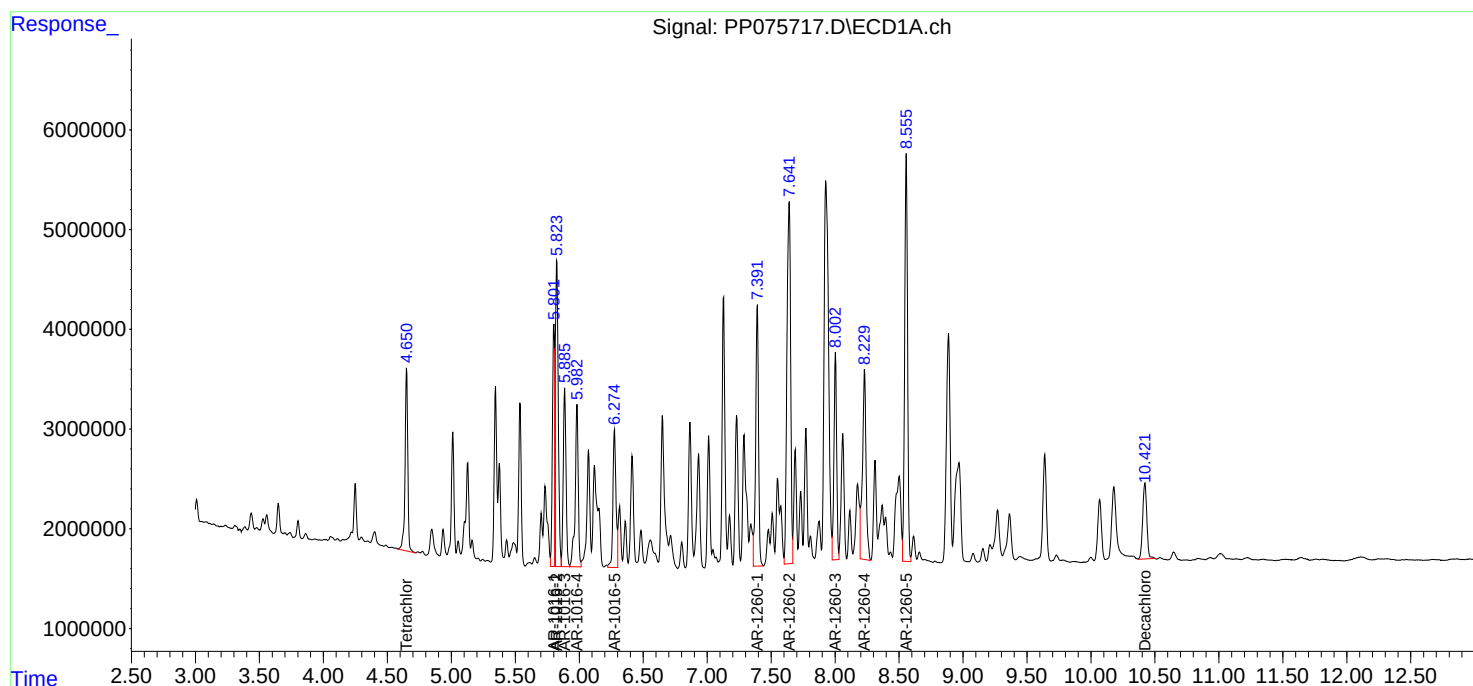
Instrument :
ECD_P
ClientSampleId :
SS-01-1-2MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:34:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP092325.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Sep 24 10:55:35 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



Manual Integration Report

Sequence:	pp092325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP075250.D	AR-1260-4	yogesh	9/24/2025 8:09:44 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1016-3	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1016-5	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1260-1	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1260-3 #2	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1260-4	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	AR-1260-5 #2	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1660ICC050	PP075251.D	Decachlorobiphenyl	yogesh	9/24/2025 8:09:46 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC1000	PP075254.D	AR-1242-4 #2	yogesh	9/24/2025 8:09:49 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC750	PP075255.D	AR-1242-4 #2	yogesh	9/24/2025 8:09:51 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC500	PP075256.D	AR-1242-4 #2	yogesh	9/24/2025 8:09:53 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC250	PP075257.D	AR-1242-4 #2	yogesh	9/24/2025 8:09:55 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICC050	PP075258.D	AR-1242-5	yogesh	9/24/2025 8:09:57 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software

Manual Integration Report

Sequence:	pp092325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP075258.D	Tetrachloro-m-xylene	yogesh	9/24/2025 8:09:57 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC1000	PP075259.D	AR-1248-3 #2	yogesh	9/24/2025 8:09:59 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC750	PP075260.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:01 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC500	PP075261.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:03 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC250	PP075262.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:05 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC050	PP075263.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:06 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC050	PP075263.D	AR-1248-5	yogesh	9/24/2025 8:10:06 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICC050	PP075263.D	Tetrachloro-m-xylene	yogesh	9/24/2025 8:10:06 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC1000	PP075264.D	AR-1254-1	yogesh	9/24/2025 8:10:09 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC750	PP075265.D	AR-1254-1	yogesh	9/24/2025 8:10:11 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC500	PP075266.D	AR-1254-1	yogesh	9/24/2025 8:10:12 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC250	PP075267.D	AR-1254-1	yogesh	9/24/2025 8:10:15 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICC050	PP075268.D	AR-1254-1	yogesh	9/24/2025 8:10:16 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software

Manual Integration Report

Sequence:	pp092325	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC050	PP075274.D	AR-1268-1	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICC050	PP075274.D	AR-1268-3 #2	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICC050	PP075274.D	AR-1268-4 #2	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICC050	PP075274.D	AR-1268-5 #2	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICC050	PP075274.D	Tetrachloro-m-xylene #2	yogesh	9/24/2025 8:10:18 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
PP092325ICV500	PP075275.D	Decachlorobiphenyl #2	yogesh	9/24/2025 8:10:21 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICV500	PP075276.D	AR-1242-4 #2	yogesh	9/24/2025 8:10:24 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1242ICV500	PP075276.D	Decachlorobiphenyl #2	yogesh	9/24/2025 8:10:24 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1248ICV500	PP075277.D	AR-1248-3 #2	yogesh	9/24/2025 8:10:26 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICV500	PP075278.D	AR-1254-1	yogesh	9/24/2025 8:10:28 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1254ICV500	PP075278.D	Decachlorobiphenyl #2	yogesh	9/24/2025 8:10:28 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software
AR1268ICV500	PP075279.D	Decachlorobiphenyl #2	yogesh	9/24/2025 8:10:30 AM	mohammad	9/25/2025 2:25:37	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pp092325

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PP101025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP075704.D	AR-1016-2 #2	yogesh	10/10/2025 1:16:00 PM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1242CCC500	PP075705.D	AR-1242-4 #2	yogesh	10/10/2025 1:16:02 PM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1242CCC500	PP075705.D	AR-1242-5 #2	yogesh	10/10/2025 1:16:02 PM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1248CCC500	PP075706.D	AR-1248-3 #2	Yogesh	10/14/2025 1:27:11 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1248CCC500	PP075706.D	AR-1248-5 #2	Yogesh	10/14/2025 1:27:11 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
Q3310-01	PP075714.D	AR-1260-4	yogesh	10/14/2025 7:38:30 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
Q3310-02	PP075715.D	AR-1260-1	yogesh	10/14/2025 7:38:31 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
Q3310-02	PP075715.D	AR-1260-4	yogesh	10/14/2025 7:38:31 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
Q3310-02MS	PP075716.D	AR-1260-4	yogesh	10/13/2025 7:59:49 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
Q3310-02MSD	PP075717.D	AR-1260-4	yogesh	10/13/2025 7:59:54 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
Q3310-03	PP075718.D	AR-1260-3 #2	yogesh	10/14/2025 7:38:33 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
Q3310-03	PP075718.D	AR-1260-4	yogesh	10/14/2025 7:38:33 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1242CCC500	PP075720.D	AR-1242-1	yogesh	10/13/2025 7:59:56 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software

Manual Integration Report

Sequence:	PP101025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP075720.D	AR-1242-4 #2	yogesh	10/13/2025 7:59:56 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1248CCC500	PP075721.D	AR-1248-3 #2	Yogesh	10/14/2025 1:27:28 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1248CCC500	PP075721.D	AR-1248-5 #2	Yogesh	10/14/2025 1:27:28 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1248CCC500	PP075721.D	Decachlorobiphenyl #2	Yogesh	10/14/2025 1:27:28 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1254CCC500	PP075722.D	AR-1254-1	yogesh	10/13/2025 8:00:00 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1242CCC500	PP075727.D	AR-1242-1 #2	Yogesh	10/14/2025 1:27:41 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1242CCC500	PP075727.D	AR-1242-2 #2	Yogesh	10/14/2025 1:27:41 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1242CCC500	PP075727.D	AR-1242-3 #2	Yogesh	10/14/2025 1:27:41 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1242CCC500	PP075727.D	AR-1242-4 #2	Yogesh	10/14/2025 1:27:41 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1242CCC500	PP075727.D	Decachlorobiphenyl #2	Yogesh	10/14/2025 1:27:41 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1248CCC500	PP075728.D	AR-1248-3 #2	yogesh	10/13/2025 8:00:04 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1248CCC500	PP075728.D	AR-1248-5 #2	yogesh	10/13/2025 8:00:04 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1248CCC500	PP075728.D	Decachlorobiphenyl #2	yogesh	10/13/2025 8:00:04 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software

Manual Integration Report

Sequence:

PP101025

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP075729.D	AR-1254-1	yogesh	10/13/2025 8:00:06 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software
AR1254CCC500	PP075729.D	Tetrachloro-m-xylene #2	yogesh	10/13/2025 8:00:06 AM	mohammad	10/15/2025 1:14:48	Peak Integrated by Software

Manual Integration Report

Sequence:	pp101525	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP075787.D	AR-1242-4 #2	yogesh	10/16/2025 7:40:29 AM	 	 	Peak Integrated by Software
AR1248CCC500	PP075788.D	AR-1248-3 #2	yogesh	10/16/2025 7:40:31 AM	 	 	Peak Integrated by Software
AR1254CCC500	PP075789.D	AR-1254-1	yogesh	10/16/2025 7:40:35 AM	 	 	Peak Integrated by Software
PB170053BS	PP075791.D	AR-1016-1 #2	yogesh	10/16/2025 7:50:52 AM	 	 	Peak Integrated by Software
PB170053BS	PP075791.D	AR-1016-2 #2	yogesh	10/16/2025 7:50:52 AM	 	 	Peak Integrated by Software
PB170053BS	PP075791.D	AR-1260-4	yogesh	10/16/2025 7:50:52 AM	 	 	Peak Integrated by Software
AR1242CCC500	PP075802.D	AR-1242-4 #2	yogesh	10/16/2025 7:41:33 AM	 	 	Peak Integrated by Software
AR1248CCC500	PP075803.D	AR-1248-3 #2	yogesh	10/16/2025 7:41:38 AM	 	 	Peak Integrated by Software
AR1248CCC500	PP075803.D	Tetrachloro-m-xylene	yogesh	10/16/2025 7:41:38 AM	 	 	Peak Integrated by Software
AR1254CCC500	PP075804.D	AR-1254-1	yogesh	10/16/2025 7:41:40 AM	 	 	Peak Integrated by Software
AR1242CCC500	PP075809.D	AR-1242-4 #2	yogesh	10/16/2025 7:41:47 AM	 	 	Peak Integrated by Software
AR1248CCC500	PP075810.D	AR-1248-3 #2	yogesh	10/16/2025 7:41:49 AM	 	 	Peak Integrated by Software
AR1254CCC500	PP075811.D	AR-1254-1	yogesh	10/16/2025 7:41:50 AM	 	 	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pp101525

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP092325

Review By	yogesh	Review On	9/23/2025 12:35:13 PM
Supervise By	mohammad	Supervise On	9/25/2025 2:25:37 AM
SubDirectory	PP092325	HP Acquire Method	HP Processing Method PP092325
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	PP075245.D	23 Sep 2025 08:13	YP\AJ	Ok
2	I.BLK	PP075246.D	23 Sep 2025 08:29	YP\AJ	Ok
3	AR1660ICC1000	PP075247.D	23 Sep 2025 08:45	YP\AJ	Ok
4	AR1660ICC750	PP075248.D	23 Sep 2025 09:01	YP\AJ	Ok
5	AR1660ICC500	PP075249.D	23 Sep 2025 09:18	YP\AJ	Ok
6	AR1660ICC250	PP075250.D	23 Sep 2025 09:34	YP\AJ	Ok,M
7	AR1660ICC050	PP075251.D	23 Sep 2025 10:11	YP\AJ	Ok,M
8	AR1221ICC500	PP075252.D	23 Sep 2025 10:27	YP\AJ	Ok
9	AR1232ICC500	PP075253.D	23 Sep 2025 10:43	YP\AJ	Ok
10	AR1242ICC1000	PP075254.D	23 Sep 2025 11:00	YP\AJ	Ok,M
11	AR1242ICC750	PP075255.D	23 Sep 2025 11:16	YP\AJ	Ok,M
12	AR1242ICC500	PP075256.D	23 Sep 2025 11:32	YP\AJ	Ok,M
13	AR1242ICC250	PP075257.D	23 Sep 2025 11:48	YP\AJ	Ok,M
14	AR1242ICC050	PP075258.D	23 Sep 2025 12:05	YP\AJ	Ok,M
15	AR1248ICC1000	PP075259.D	23 Sep 2025 12:37	YP\AJ	Ok,M
16	AR1248ICC750	PP075260.D	23 Sep 2025 12:53	YP\AJ	Ok,M
17	AR1248ICC500	PP075261.D	23 Sep 2025 13:10	YP\AJ	Ok,M
18	AR1248ICC250	PP075262.D	23 Sep 2025 13:26	YP\AJ	Ok,M
19	AR1248ICC050	PP075263.D	23 Sep 2025 13:42	YP\AJ	Ok,M
20	AR1254ICC1000	PP075264.D	23 Sep 2025 14:15	YP\AJ	Ok,M
21	AR1254ICC750	PP075265.D	23 Sep 2025 14:31	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP092325

Review By	yogesh	Review On	9/23/2025 12:35:13 PM
Supervise By	mohammad	Supervise On	9/25/2025 2:25:37 AM
SubDirectory	PP092325	HP Acquire Method	HP Processing Method PP092325
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	PP075266.D	23 Sep 2025 14:47	YP\AJ	Ok,M
23	AR1254ICC250	PP075267.D	23 Sep 2025 15:04	YP\AJ	Ok,M
24	AR1254ICC050	PP075268.D	23 Sep 2025 15:20	YP\AJ	Ok,M
25	AR1262ICC500	PP075269.D	23 Sep 2025 15:52	YP\AJ	Ok
26	AR1268ICC1000	PP075270.D	23 Sep 2025 16:09	YP\AJ	Ok
27	AR1268ICC750	PP075271.D	23 Sep 2025 16:25	YP\AJ	Ok
28	AR1268ICC500	PP075272.D	23 Sep 2025 16:41	YP\AJ	Ok
29	AR1268ICC250	PP075273.D	23 Sep 2025 16:58	YP\AJ	Ok
30	AR1268ICC050	PP075274.D	23 Sep 2025 17:14	YP\AJ	Ok,M
31	PP092325ICV500	PP075275.D	23 Sep 2025 17:46	YP\AJ	Ok,M
32	AR1242ICV500	PP075276.D	23 Sep 2025 18:35	YP\AJ	Ok,M
33	AR1248ICV500	PP075277.D	23 Sep 2025 19:08	YP\AJ	Ok,M
34	AR1254ICV500	PP075278.D	23 Sep 2025 19:40	YP\AJ	Ok,M
35	AR1268ICV500	PP075279.D	23 Sep 2025 19:57	YP\AJ	Ok,M
36	DDT ANALOG	PP075280.D	23 Sep 2025 20:29	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101025

Review By	yogesh	Review On	10/10/2025 10:06:55 AM
Supervise By	mohammad	Supervise On	10/15/2025 1:14:48 AM
SubDirectory	PP101025	HP Acquire Method	HP Processing Method PP092325
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	PP075703.D	10 Oct 2025 08:35	YP\AJ	Ok
2	AR1660CCC500	PP075704.D	10 Oct 2025 08:51	YP\AJ	Ok,M
3	AR1242CCC500	PP075705.D	10 Oct 2025 09:10	YP\AJ	Ok,M
4	AR1248CCC500	PP075706.D	10 Oct 2025 09:27	YP\AJ	Ok,M
5	AR1254CCC500	PP075707.D	10 Oct 2025 09:43	YP\AJ	Ok
6	I.BLK	PP075708.D	10 Oct 2025 09:59	YP\AJ	Ok
7	Q3307-01DL	PP075709.D	10 Oct 2025 10:15	YP\AJ	Ok,M
8	Q3307-12DL	PP075710.D	10 Oct 2025 10:32	YP\AJ	Ok
9	PB170053BL	PP075711.D	10 Oct 2025 12:42	YP\AJ	Ok
10	PB170053BS	PP075712.D	10 Oct 2025 12:59	YP\AJ	Not Ok
11	Q3300-01	PP075713.D	10 Oct 2025 13:15	YP\AJ	Ok,M
12	Q3310-01	PP075714.D	10 Oct 2025 13:31	YP\AJ	Ok,M
13	Q3310-02	PP075715.D	10 Oct 2025 13:47	YP\AJ	Ok,M
14	Q3310-02MS	PP075716.D	10 Oct 2025 14:03	YP\AJ	Ok,M
15	Q3310-02MSD	PP075717.D	10 Oct 2025 14:20	YP\AJ	Ok,M
16	Q3310-03	PP075718.D	10 Oct 2025 14:36	YP\AJ	Ok,M
17	AR1660CCC500	PP075719.D	10 Oct 2025 15:57	YP\AJ	Ok
18	AR1242CCC500	PP075720.D	10 Oct 2025 16:13	YP\AJ	Ok,M
19	AR1248CCC500	PP075721.D	10 Oct 2025 16:29	YP\AJ	Ok,M
20	AR1254CCC500	PP075722.D	10 Oct 2025 16:46	YP\AJ	Ok,M
21	I.BLK	PP075723.D	10 Oct 2025 17:02	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101025

Review By	yogesh	Review On	10/10/2025 10:06:55 AM
Supervise By	mohammad	Supervise On	10/15/2025 1:14:48 AM
SubDirectory	PP101025	HP Acquire Method	HP Processing Method PP092325
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	Q3321-01	PP075724.D	10 Oct 2025 17:18	YP\AJ	Ok,M
23	Q3322-01	PP075725.D	10 Oct 2025 17:34	YP\AJ	Ok
24	AR1660CCC500	PP075726.D	10 Oct 2025 18:55	YP\AJ	Ok
25	AR1242CCC500	PP075727.D	10 Oct 2025 19:28	YP\AJ	Ok,M
26	AR1248CCC500	PP075728.D	10 Oct 2025 19:44	YP\AJ	Ok,M
27	AR1254CCC500	PP075729.D	10 Oct 2025 20:00	YP\AJ	Ok,M
28	I.BLK	PP075730.D	10 Oct 2025 20:16	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101525

Review By	yogesh	Review On	10/15/2025 10:26:47 AM
Supervise By		Supervise On	
SubDirectory	PP101525	HP Acquire Method	HP Processing Method PP092325
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	PP075785.D	15 Oct 2025 09:12	YP\AJ	Ok
2	AR1660CCC500	PP075786.D	15 Oct 2025 09:46	YP\AJ	Ok
3	AR1242CCC500	PP075787.D	15 Oct 2025 10:02	YP\AJ	Ok,NS
4	AR1248CCC500	PP075788.D	15 Oct 2025 10:19	YP\AJ	Ok,NS
5	AR1254CCC500	PP075789.D	15 Oct 2025 10:53	YP\AJ	Ok,NS
6	I.BLK	PP075790.D	15 Oct 2025 11:09	YP\AJ	Ok
7	PB170053BS	PP075791.D	15 Oct 2025 11:26	YP\AJ	Ok,NS
8	Q3345-01	PP075792.D	15 Oct 2025 12:14	YP\AJ	Ok
9	Q3345-03	PP075793.D	15 Oct 2025 12:31	YP\AJ	Ok
10	Q3345-05	PP075794.D	15 Oct 2025 12:47	YP\AJ	Ok,NS
11	Q3345-05MS	PP075795.D	15 Oct 2025 13:03	YP\AJ	Ok,NS
12	Q3345-05MSD	PP075796.D	15 Oct 2025 13:20	YP\AJ	Ok,NS
13	PB170102BL	PP075797.D	15 Oct 2025 13:52	YP\AJ	Ok
14	PB170102BS	PP075798.D	15 Oct 2025 14:08	YP\AJ	Ok,NS
15	PB170102BSD	PP075799.D	15 Oct 2025 14:25	YP\AJ	Ok,NS
16	Q3345-07	PP075800.D	15 Oct 2025 14:41	YP\AJ	Ok,NS
17	AR1660CCC500	PP075801.D	15 Oct 2025 15:46	YP\AJ	Ok
18	AR1242CCC500	PP075802.D	15 Oct 2025 16:02	YP\AJ	Ok,NS
19	AR1248CCC500	PP075803.D	15 Oct 2025 16:18	YP\AJ	Ok,NS
20	AR1254CCC500	PP075804.D	15 Oct 2025 16:35	YP\AJ	Ok,NS
21	I.BLK	PP075805.D	15 Oct 2025 16:51	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101525

Review By	yogesh	Review On	10/15/2025 10:26:47 AM
Supervise By		Supervise On	
SubDirectory	PP101525	HP Acquire Method	HP Processing Method PP092325
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	PB170102BS	PP075806.D	15 Oct 2025 17:07	YP\AJ	Not Ok
23	PB170102BSD	PP075807.D	15 Oct 2025 17:23	YP\AJ	Not Ok
24	AR1660CCC500	PP075808.D	15 Oct 2025 18:29	YP\AJ	Ok
25	AR1242CCC500	PP075809.D	15 Oct 2025 19:17	YP\AJ	Ok,NS
26	AR1248CCC500	PP075810.D	15 Oct 2025 19:33	YP\AJ	Ok,NS
27	AR1254CCC500	PP075811.D	15 Oct 2025 19:50	YP\AJ	Ok,NS
28	I.BLK	PP075812.D	15 Oct 2025 20:06	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP092325

Review By	yogesh	Review On	9/23/2025 12:35:13 PM
Supervise By	mohammad	Supervise On	9/25/2025 2:25:37 AM
SubDirectory	PP092325	HP Acquire Method	HP Processing Method PP092325

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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP075245.D	23 Sep 2025 08:13		YP\AJ	Ok
2	I.BLK	I.BLK	PP075246.D	23 Sep 2025 08:29		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP075247.D	23 Sep 2025 08:45		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP075248.D	23 Sep 2025 09:01		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP075249.D	23 Sep 2025 09:18		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP075250.D	23 Sep 2025 09:34		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP075251.D	23 Sep 2025 10:11		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP075252.D	23 Sep 2025 10:27		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP075253.D	23 Sep 2025 10:43		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP075254.D	23 Sep 2025 11:00		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP075255.D	23 Sep 2025 11:16		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP075256.D	23 Sep 2025 11:32		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP075257.D	23 Sep 2025 11:48		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP075258.D	23 Sep 2025 12:05		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP075259.D	23 Sep 2025 12:37		YP\AJ	Ok,M
16	AR1248ICC750	AR1248ICC750	PP075260.D	23 Sep 2025 12:53		YP\AJ	Ok,M
17	AR1248ICC500	AR1248ICC500	PP075261.D	23 Sep 2025 13:10		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP075262.D	23 Sep 2025 13:26		YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP092325

Review By	yogesh	Review On	9/23/2025 12:35:13 PM
Supervise By	mohammad	Supervise On	9/25/2025 2:25:37 AM
SubDirectory	PP092325	HP Acquire Method	HP Processing Method PP092325
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	PP075263.D	23 Sep 2025 13:42		YPIAJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP075264.D	23 Sep 2025 14:15		YPIAJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP075265.D	23 Sep 2025 14:31		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP075266.D	23 Sep 2025 14:47		YPIAJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP075267.D	23 Sep 2025 15:04		YPIAJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP075268.D	23 Sep 2025 15:20		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP075269.D	23 Sep 2025 15:52		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP075270.D	23 Sep 2025 16:09		YPIAJ	Ok
27	AR1268ICC750	AR1268ICC750	PP075271.D	23 Sep 2025 16:25		YPIAJ	Ok
28	AR1268ICC500	AR1268ICC500	PP075272.D	23 Sep 2025 16:41		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PP075273.D	23 Sep 2025 16:58		YPIAJ	Ok
30	AR1268ICC050	AR1268ICC050	PP075274.D	23 Sep 2025 17:14		YPIAJ	Ok,M
31	PP092325ICV500	ICVPP092325	PP075275.D	23 Sep 2025 17:46		YPIAJ	Ok,M
32	AR1242ICV500	ICVPP092325AR1242	PP075276.D	23 Sep 2025 18:35		YPIAJ	Ok,M
33	AR1248ICV500	ICVPP092325AR1248	PP075277.D	23 Sep 2025 19:08		YPIAJ	Ok,M
34	AR1254ICV500	ICVPP092325AR1254	PP075278.D	23 Sep 2025 19:40		YPIAJ	Ok,M
35	AR1268ICV500	ICVPP092325AR1268	PP075279.D	23 Sep 2025 19:57		YPIAJ	Ok,M
36	DDT ANALOG	DDT ANALOG	PP075280.D	23 Sep 2025 20:29		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101025

Review By	yogesh	Review On	10/10/2025 10:06:55 AM
Supervise By	mohammad	Supervise On	10/15/2025 1:14:48 AM
SubDirectory	PP101025	HP Acquire Method	HP Processing Method PP092325

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	PP075703.D	10 Oct 2025 08:35		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PP075704.D	10 Oct 2025 08:51		YPIAJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP075705.D	10 Oct 2025 09:10		YPIAJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP075706.D	10 Oct 2025 09:27		YPIAJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP075707.D	10 Oct 2025 09:43		YPIAJ	Ok
6	I.BLK	I.BLK	PP075708.D	10 Oct 2025 09:59		YPIAJ	Ok
7	Q3307-01DL	S-39(3.0-3.5)DL	PP075709.D	10 Oct 2025 10:15	AR248, AR1254 Hit	YPIAJ	Ok,M
8	Q3307-12DL	S-37(0-0.5)DL	PP075710.D	10 Oct 2025 10:32	AR1260 Hit	YPIAJ	Ok
9	PB170053BL	PB170053BL	PP075711.D	10 Oct 2025 12:42		YPIAJ	Ok
10	PB170053BS	PB170053BS	PP075712.D	10 Oct 2025 12:59	AR1016 fail for recovery	YPIAJ	Not Ok
11	Q3300-01	OIL	PP075713.D	10 Oct 2025 13:15		YPIAJ	Ok,M
12	Q3310-01	SS-01-0-1	PP075714.D	10 Oct 2025 13:31	AR260 Hit	YPIAJ	Ok,M
13	Q3310-02	SS-01-1-2	PP075715.D	10 Oct 2025 13:47	AR1260 Hit	YPIAJ	Ok,M
14	Q3310-02MS	SS-01-1-2MS	PP075716.D	10 Oct 2025 14:03		YPIAJ	Ok,M
15	Q3310-02MSD	SS-01-1-2MSD	PP075717.D	10 Oct 2025 14:20	AR1260 RPD fail	YPIAJ	Ok,M
16	Q3310-03	SS-01-2-3	PP075718.D	10 Oct 2025 14:36	AR1260 Hit	YPIAJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP075719.D	10 Oct 2025 15:57		YPIAJ	Ok
18	AR1242CCC500	AR1242CCC500	PP075720.D	10 Oct 2025 16:13		YPIAJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101025

Review By	yogesh	Review On	10/10/2025 10:06:55 AM
Supervise By	mohammad	Supervise On	10/15/2025 1:14:48 AM
SubDirectory	PP101025	HP Acquire Method	HP Processing Method PP092325
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP075721.D	10 Oct 2025 16:29		YPIAJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP075722.D	10 Oct 2025 16:46		YPIAJ	Ok,M
21	I.BLK	I.BLK	PP075723.D	10 Oct 2025 17:02		YPIAJ	Ok
22	Q3321-01	P001-DS-01	PP075724.D	10 Oct 2025 17:18	AR1254 & AR1260 Hit	YPIAJ	Ok,M
23	Q3322-01	OR-02-100925	PP075725.D	10 Oct 2025 17:34	TCMX high in 2nd column	YPIAJ	Ok
24	AR1660CCC500	AR1660CCC500	PP075726.D	10 Oct 2025 18:55		YPIAJ	Ok
25	AR1242CCC500	AR1242CCC500	PP075727.D	10 Oct 2025 19:28		YPIAJ	Ok,M
26	AR1248CCC500	AR1248CCC500	PP075728.D	10 Oct 2025 19:44		YPIAJ	Ok,M
27	AR1254CCC500	AR1254CCC500	PP075729.D	10 Oct 2025 20:00		YPIAJ	Ok,M
28	I.BLK	I.BLK	PP075730.D	10 Oct 2025 20:16		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101525

Review By	yogesh	Review On	10/15/2025 10:26:47 AM
Supervise By		Supervise On	
SubDirectory	PP101525	HP Acquire Method	HP Processing Method PP092325

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	PP075785.D	15 Oct 2025 09:12		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PP075786.D	15 Oct 2025 09:46		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PP075787.D	15 Oct 2025 10:02		YPIAJ	Ok,NS
4	AR1248CCC500	AR1248CCC500	PP075788.D	15 Oct 2025 10:19		YPIAJ	Ok,NS
5	AR1254CCC500	AR1254CCC500	PP075789.D	15 Oct 2025 10:53		YPIAJ	Ok,NS
6	I.BLK	I.BLK	PP075790.D	15 Oct 2025 11:09		YPIAJ	Ok
7	PB170053BS	PB170053BS	PP075791.D	15 Oct 2025 11:26		YPIAJ	Ok,NS
8	Q3345-01	TANK-FARM-SOIL	PP075792.D	15 Oct 2025 12:14		YPIAJ	Ok
9	Q3345-03	2ND-STREET-SOIL	PP075793.D	15 Oct 2025 12:31		YPIAJ	Ok
10	Q3345-05	M-R-SOIL	PP075794.D	15 Oct 2025 12:47	TCMX high in 2nd column	YPIAJ	Ok,NS
11	Q3345-05MS	M-R-SOILMS	PP075795.D	15 Oct 2025 13:03	TCMX high in 2nd column	YPIAJ	Ok,NS
12	Q3345-05MSD	M-R-SOILMSD	PP075796.D	15 Oct 2025 13:20	TCMX high in 2nd column	YPIAJ	Ok,NS
13	PB170102BL	PB170102BL	PP075797.D	15 Oct 2025 13:52		YPIAJ	Ok
14	PB170102BS	PB170102BS	PP075798.D	15 Oct 2025 14:08		YPIAJ	Ok,NS
15	PB170102BSD	PB170102BSD	PP075799.D	15 Oct 2025 14:25		YPIAJ	Ok,NS
16	Q3345-07	TANK-FARM-WATER	PP075800.D	15 Oct 2025 14:41		YPIAJ	Ok,NS
17	AR1660CCC500	AR1660CCC500	PP075801.D	15 Oct 2025 15:46		YPIAJ	Ok
18	AR1242CCC500	AR1242CCC500	PP075802.D	15 Oct 2025 16:02		YPIAJ	Ok,NS

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP101525

Review By	yogesh	Review On	10/15/2025 10:26:47 AM
Supervise By		Supervise On	
SubDirectory	PP101525	HP Acquire Method	HP Processing Method PP092325
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP075803.D	15 Oct 2025 16:18		YPIAJ	Ok,NS
20	AR1254CCC500	AR1254CCC500	PP075804.D	15 Oct 2025 16:35		YPIAJ	Ok,NS
21	I.BLK	I.BLK	PP075805.D	15 Oct 2025 16:51		YPIAJ	Ok
22	PB170102BS	PB170102BS	PP075806.D	15 Oct 2025 17:07	Not used	YPIAJ	Not Ok
23	PB170102BSD	PB170102BSD	PP075807.D	15 Oct 2025 17:23	Not used	YPIAJ	Not Ok
24	AR1660CCC500	AR1660CCC500	PP075808.D	15 Oct 2025 18:29		YPIAJ	Ok
25	AR1242CCC500	AR1242CCC500	PP075809.D	15 Oct 2025 19:17		YPIAJ	Ok,NS
26	AR1248CCC500	AR1248CCC500	PP075810.D	15 Oct 2025 19:33		YPIAJ	Ok,NS
27	AR1254CCC500	AR1254CCC500	PP075811.D	15 Oct 2025 19:50		YPIAJ	Ok,NS
28	I.BLK	I.BLK	PP075812.D	15 Oct 2025 20:06		YPIAJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 10/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137480

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q3300-01	OIL	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3310-01	SS-01-0-1	2	1.15	10.03	11.18	7.7	65.3	
Q3310-02	SS-01-1-2	3	1.12	10.62	11.74	8.81	72.4	
Q3310-03	SS-01-2-3	4	1.16	10.56	11.72	9.09	75.1	
Q3321-01	P001-DS-01	5	1.16	10.56	11.72	9.44	78.4	
Q3322-01	OR-02-100925	6	1.11	10.33	11.44	10.72	93.0	
Q3322-02	OR-02-100925-E2	7	1.12	11.11	12.23	11.55	93.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137480

WorkList Name : %1-100925

WorkList ID : 192359

Department : Wet-Chemistry

Date : 10-09-2025 08:08:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3310-01	SS-01-0-1	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-02	SS-01-1-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-03	SS-01-2-3	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3321-01	P001-DS-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/08/2025	Chemtech -SO
Q3322-01	OR-02-100925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO
Q3322-02	OR-02-100925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO

Date/Time 10/09/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 10/09/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/10/2025

Extraction Start Time : 09:05

Extraction End Date : 10/10/2025

Extraction End Time : 12:15

Concentration By: EH

Supervisor By : ritesh

Extraction Method: ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

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

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2643
Baked Na2SO4	N/A	EP2646
Hexane	N/A	E3974
H2SO4 1:1	N/A	EP2610
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721. Q3300-01 Used Limited Volume as Sample is Oil.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

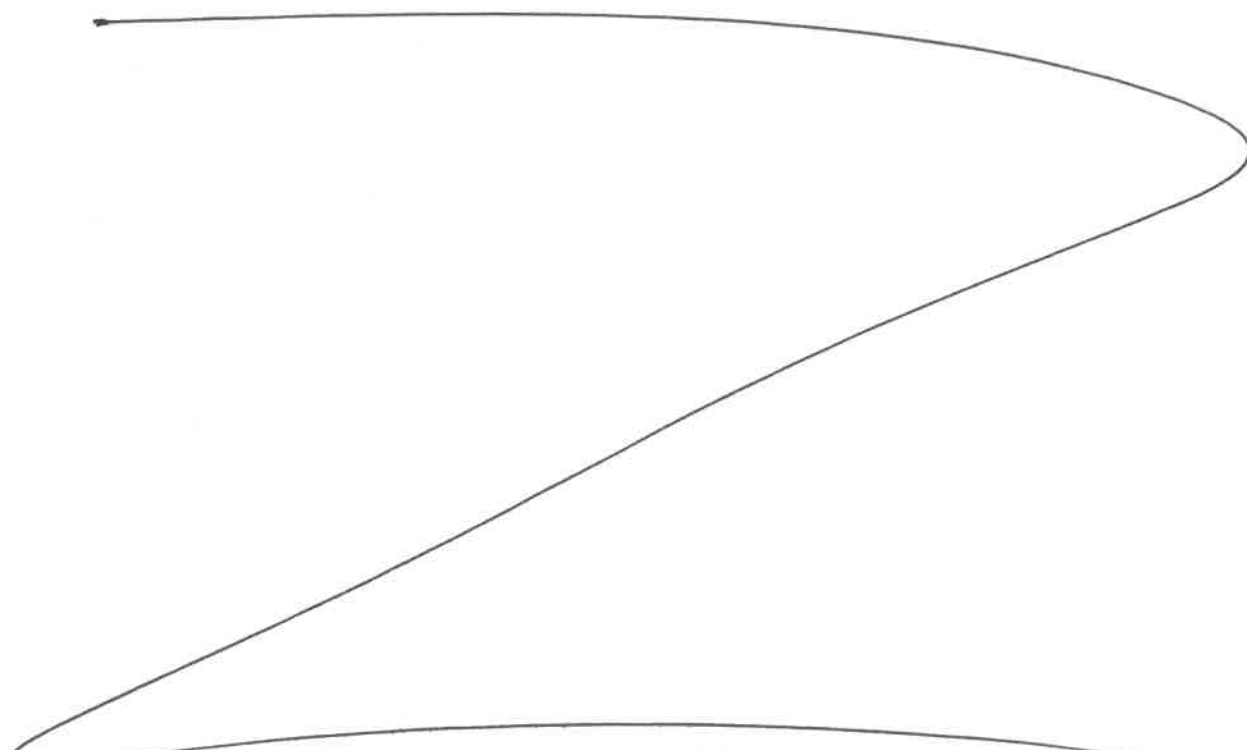
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/10/25	RJ LEXT-Lab	D. Test/PLS Lab
12:20	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/10/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170053BL	ABLK053	PCB	30.01	N/A	ritesh	Evelyn	10			U4-1
PB170053BS	ALCS053	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q3300-01	OIL	PCB	1.04	N/A	ritesh	Evelyn	10		Oil	
Q3310-01	SS-01-0-1	PCB	30.09	N/A	ritesh	Evelyn	10	E		3
Q3310-02	SS-01-1-2	PCB	30.08	N/A	ritesh	Evelyn	10	E		4
Q3310-02MS	SS-01-1-2MS	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q3310-02MS D	SS-01-1-2MSD	PCB	30.05	N/A	ritesh	Evelyn	10	E		6
Q3310-03	SS-01-2-3	PCB	30.07	N/A	ritesh	Evelyn	10	E		U6-1
Q3321-01	P001-DS-01	PCB	30.03	N/A	ritesh	Evelyn	10	E		2
Q3322-01	OR-02-100925	PCB	30.06	N/A	ritesh	Evelyn	10	E		3



RJ
10/10

170053
9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3300 WorkList ID : 192386 Department : Extraction Date : 10-10-2025 09:00:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/07/2025	8082A
Q3310-01	SS-01-0-1	Solid	PCB	Cool 4 deg C	LANG01	D31	10/07/2025	8082A
Q3310-02	SS-01-1-2	Solid	PCB	Cool 4 deg C	LANG01	D31	10/07/2025	8082A
Q3310-03	SS-01-2-3	Solid	PCB	Cool 4 deg C	LANG01	D31	10/07/2025	8082A
Q3321-01	P001-DS-01	Solid	PCB	Cool 4 deg C	ROYF02	D41	10/08/2025	8082A
Q3322-01	OR-02-100925	Solid	PCB	Cool 4 deg C	PSEG05	D31	10/09/2025	8082A

Date/Time 10/10/25 9:00
Raw Sample Received by: R3 (671-1006)
Raw Sample Relinquished by: [Signature]

Date/Time 10/10/25 9:05
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: R3 (671-1006)

Prep Standard - Chemical Standard Summary

Order ID : Q3310

Test : PCB

Prepbatch ID : PB170053,

Sequence ID/Qc Batch ID: pp101025,pp101525,

Standard ID :

EP2610,EP2643,EP2646,PP24329,PP24330,PP24381,PP24663,PP24805,PP24806,PP24807,PP24808,PP24809,PP24810,PP24811,PP24812,PP24814,PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862,PP24930,

Chemical ID :

E3804,E3875,E3944,E3951,E3962,E3963,E3971,E3972,E3974,M6157,P11522,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>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025
<u>FROM</u>	1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel
<u>FROM</u> 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2646	09/26/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 09/26/2025
<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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025
<u>FROM</u> 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	PP24330	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP24381	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	PP24807	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	PP24809	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	PP24811	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	PP24814	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP24816	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP24818	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2193	AR1254 100 PPM STOCK SOLUTION	PP24820	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP24822	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	PP24824	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	PP24826	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	PP24828	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	PP24830	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	PP24832	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	PP24834	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	PP24836	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	PP24838	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	PP24840	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	PP24842	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	PP24844	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	PP24846	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	PP24848	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	PP24850	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	PP24852	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	PP24854	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3790	AR1221 500 PPB ICV(AGILENT)	PP24856	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	PP24858	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	PP24860	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	PP24862	08/18/2025	02/15/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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



<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
<u>FROM</u> 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	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/10/2027	09/26/2025 / Riteshkumar	09/26/2025 / Riteshkumar	E3974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

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

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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	x9166 / Aroclor 1262 100 ug/mL	060523	02/18/2026	08/18/2025 / yogesh	08/07/2023 / Ankita	P12703

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

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

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	09/18/2025	03/18/2025 / yogesh	05/02/2024 / Ankita	P13373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0207511	02/18/2026	08/18/2025 / yogesh	05/03/2024 / Abdul	P13375

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

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

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

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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

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

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

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

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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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

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

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

Certificate of Analysis

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

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



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

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

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



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

Test	Specification	Result

For Microelectronic Use

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



Michelle Bales
Sr. Manager, Quality Assurance

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



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

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3974

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



**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



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

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



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

Certificate of Analysis

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

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

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

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor™



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

Certificate of Analysis

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

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

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

Received on 8/6/25

E 3963

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials, LLC

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

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



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

Certificate of Analysis

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

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

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

E3971

Jamie Croak
Director Quality Operations, Bioscience Production

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

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

avantor™



MG157
MS

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

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

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantor**™



Material No.: 9673-33

Batch No.: 2411262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak

Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

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

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

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

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

Traceability:

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

Homogeneity:

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

Intended Use:

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

Instructions for Use:

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

Hazards:

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

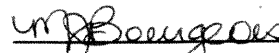
Expiration of Certification:

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

Maintenance of Certification:

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

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

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

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



ISO 17025 Cert
No. AT-1937



CERTIFIED 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:

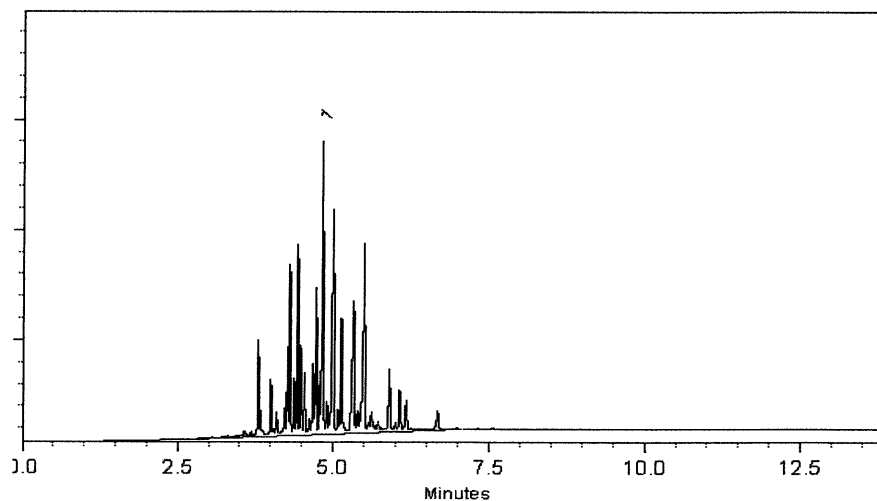
250°C

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

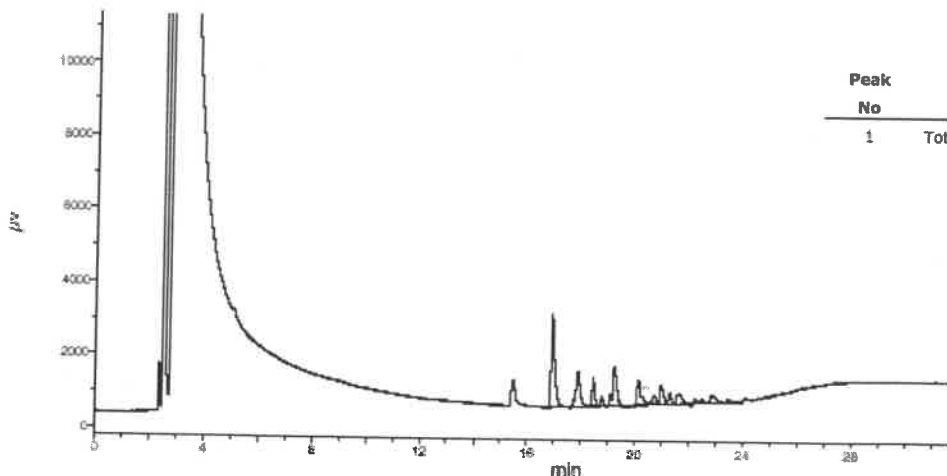
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

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

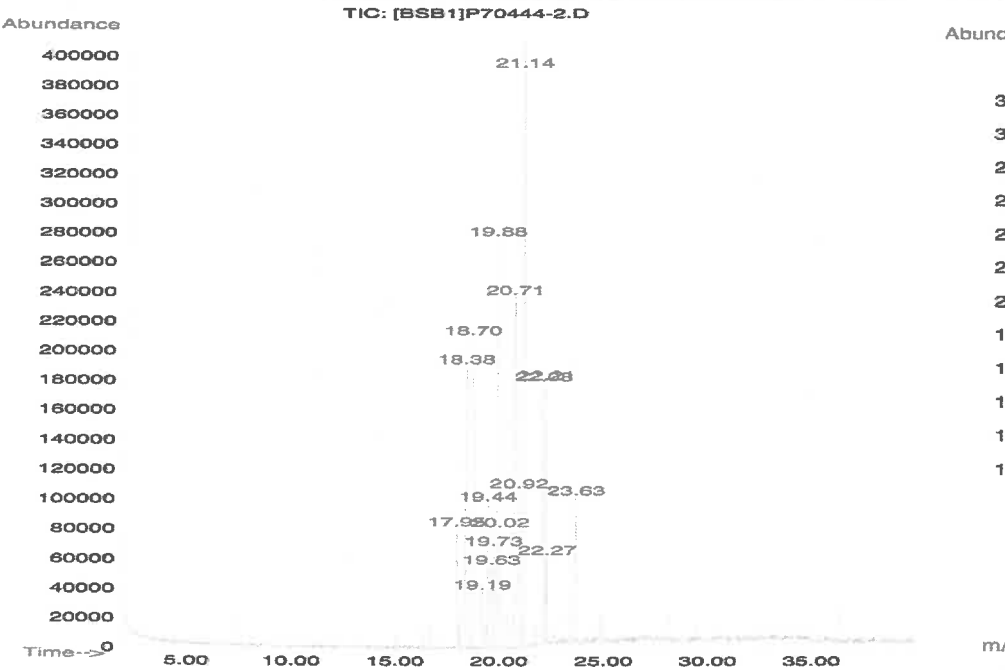
Appendix IX Compound

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 5E-05 Balance Uncertainty
0.002 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

Solvent(s): Hexane Lot# 273615
5E-05 Balance Uncertainty
0.010 Flask Uncertainty
Nominal Conc (µg/mL): 200.0
Purity (%) 100
Purity (%) 100

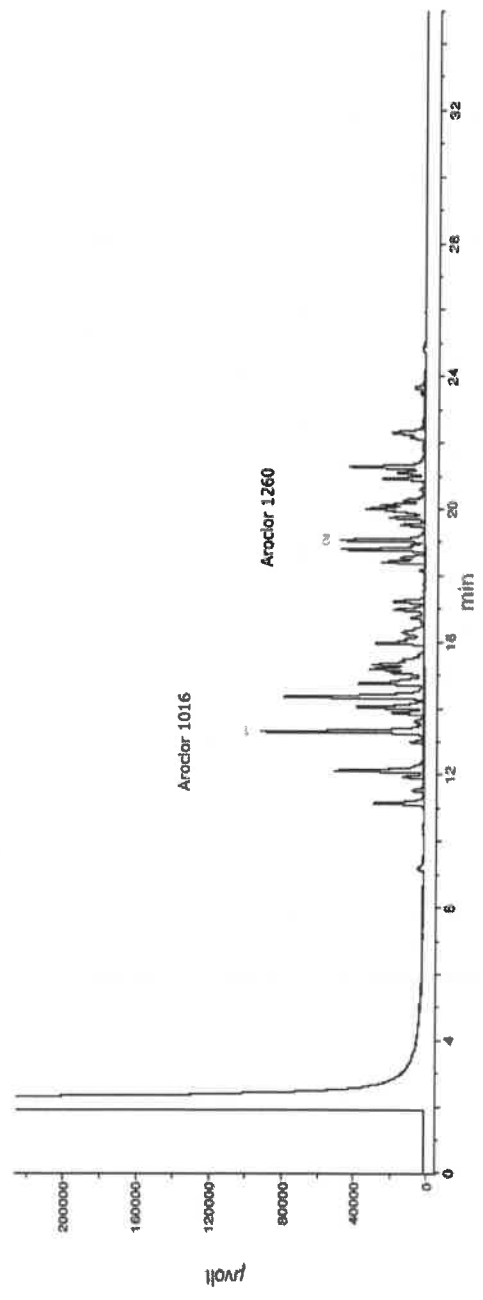
Formulated By: Benson Chan DATE 022023
Reviewed By: Pedro L. Rentas DATE 022023

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

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity (%)	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: 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

Solvent(s): Hexane Lot# 273615
5E-05 Balance Uncertainty
0.010 Flask Uncertainty
Nominal Conc (µg/mL): 200.0
Purity (%) 100
Purity (%) 100

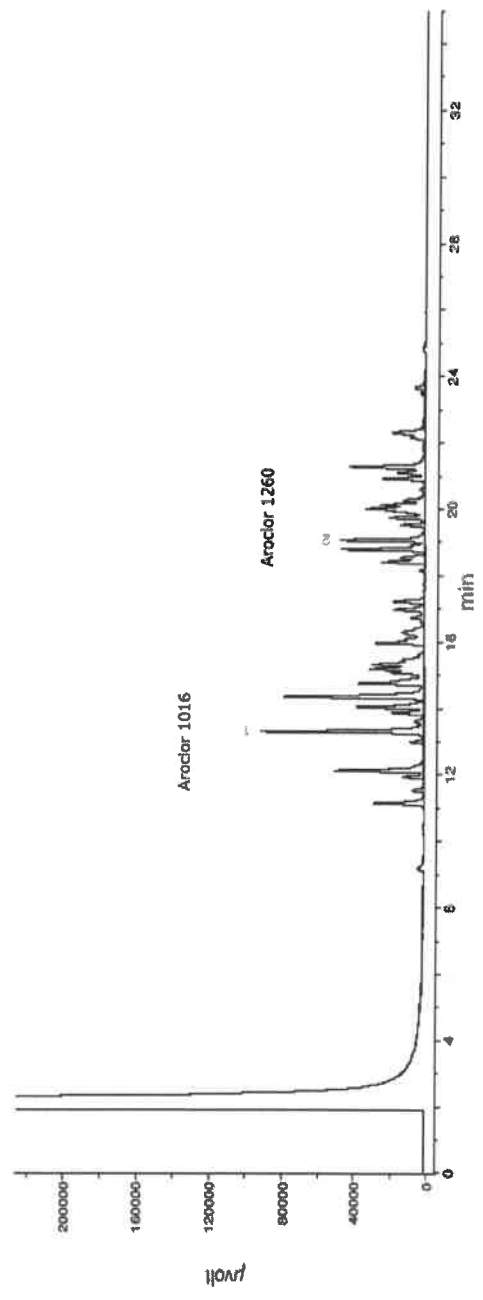
Formulated By: Benson Chan DATE 022023
Reviewed By: Pedro L. Rentas DATE 022023

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

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5	0.5mg/m3	orl-rat 1315mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: 99139
Lot Number: 121823
Description: Aroclor 1254

Solvent(s): Iso-octane

Lot# 82227

Expiration Date: 121833
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 100
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 20.0
Note: Aroclor 1254 is a mix of isomers.

Balance Uncertainty

Flask Uncertainty

5E-05

0.003

20.0

0.017

100.1

1003.3

1.8

11097-69-1

0.5mg/m3 (skin)

or-rat 1295mg/kg

Formulated By: Anthony Mahoney

121823

DATE

Reviewed By: Pedro L. Rentas

121823

DATE

Expanded

Uncertainty

(+/-) (µg/mL)

CAS#

OSHA PEL (TWA)

LD50

SDS Information

(Solvent Safety Info. On Attached pg.)

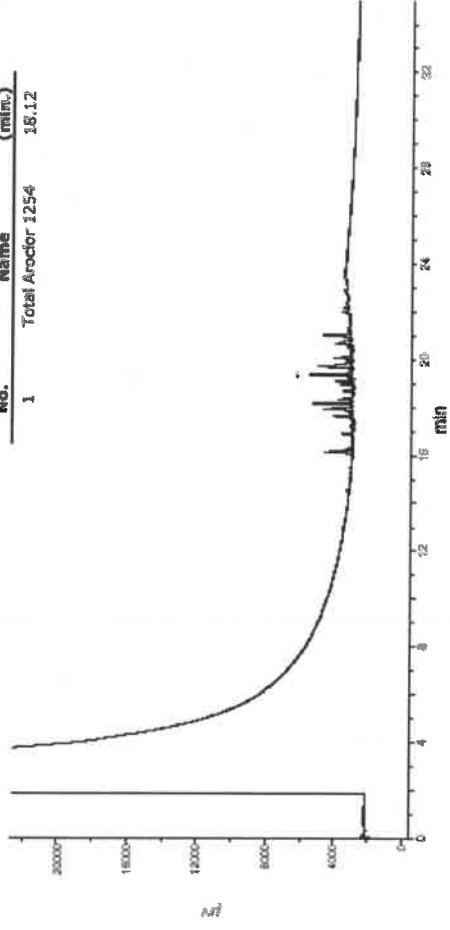
1. Aroclor 1254

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150 °C (Time 1 = 4 min), Temp 2 = 250 °C (Time 2 = 13.5 min)
Rate = 8 °C/min, Total run time = 35 min
Injector temp. = 200 °C, FID Temp. = 300 °C, FID Signal = EDAQ Channel 1
Standard injection = 1.5µL, Range=3

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





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

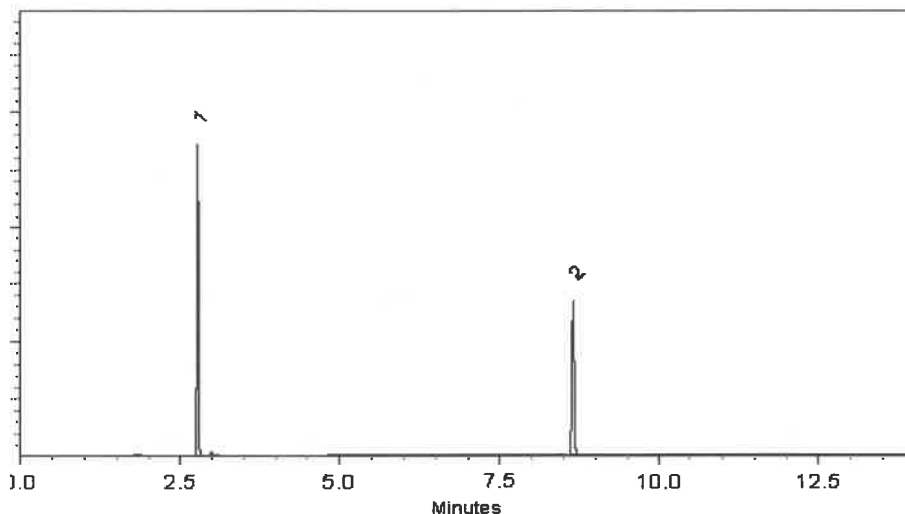
ECD

Split Vent:

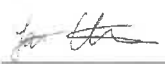
10 ml/min.

Inj. Vol

1µl

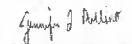


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

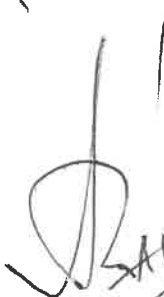
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10


SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

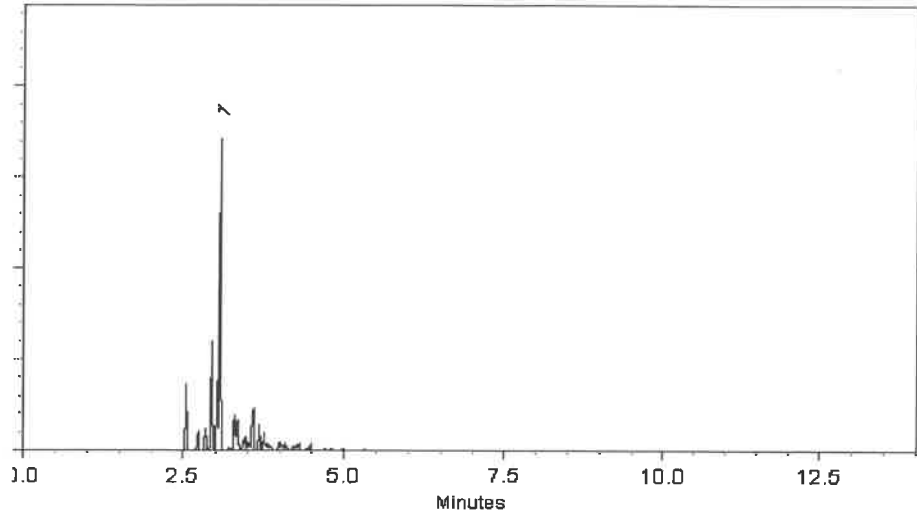
ECD

Split Vent:

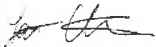
10 ml/min.

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

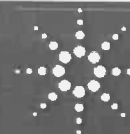
Date Passed: 08-Feb-2024

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
↓
P13590AJ
10/14/24

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32010 **Lot No.:** 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:

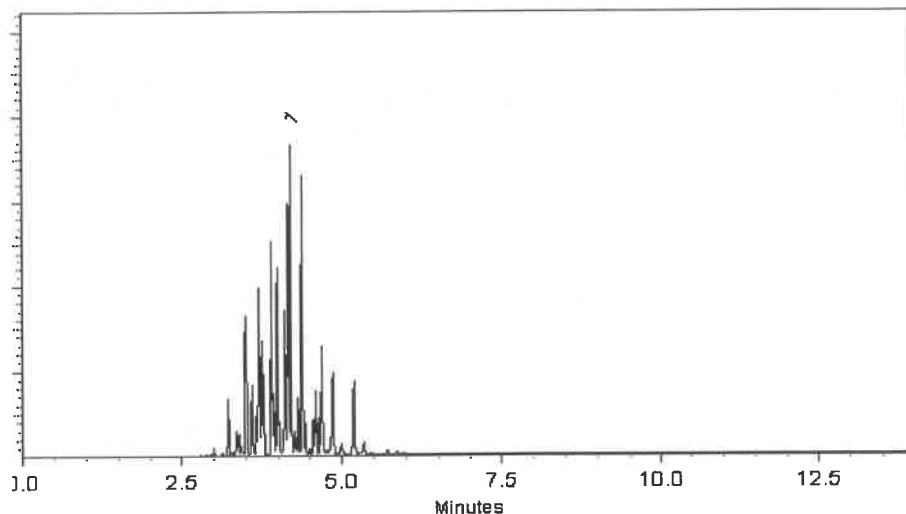
ECD

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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

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:

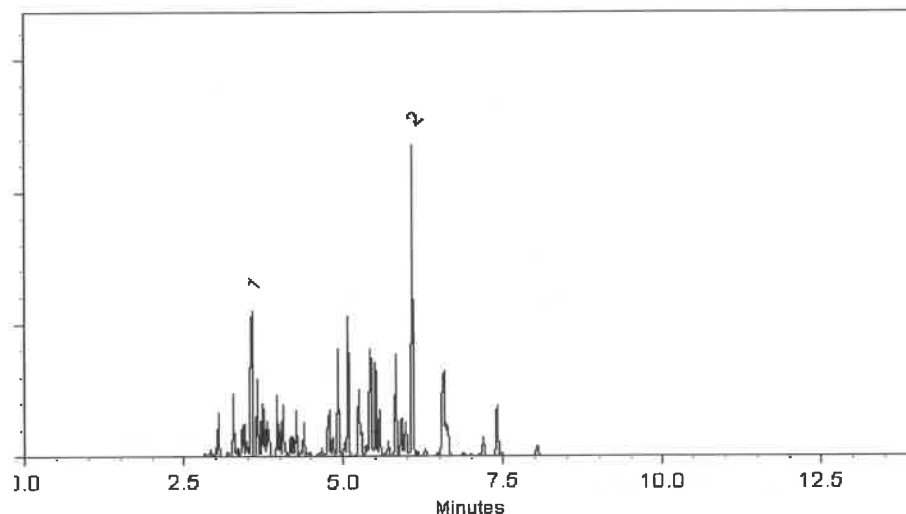
ECD

Split Vent:

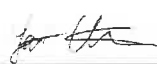
10 ml/min.

Inj. Vol

0.2µl

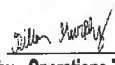


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32009 **Lot No.:** 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:

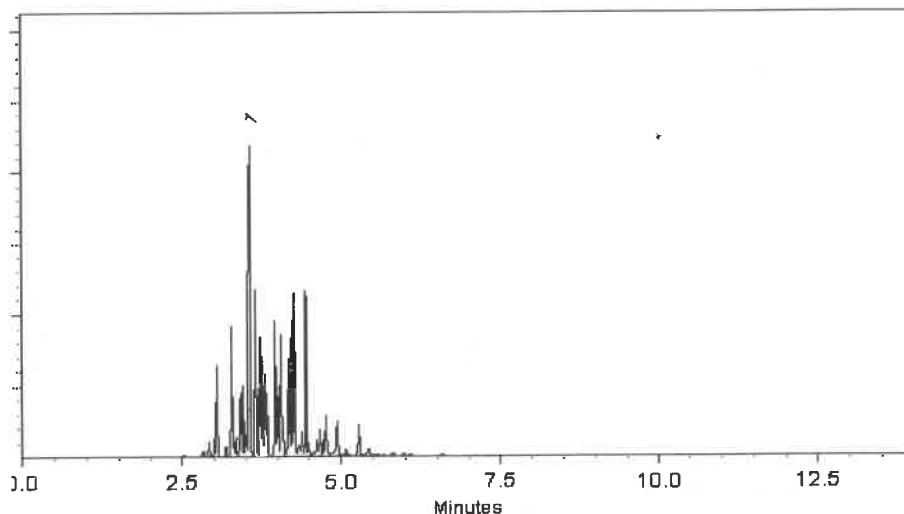
ECD

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.



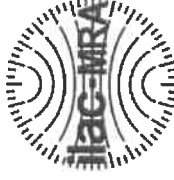
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

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

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

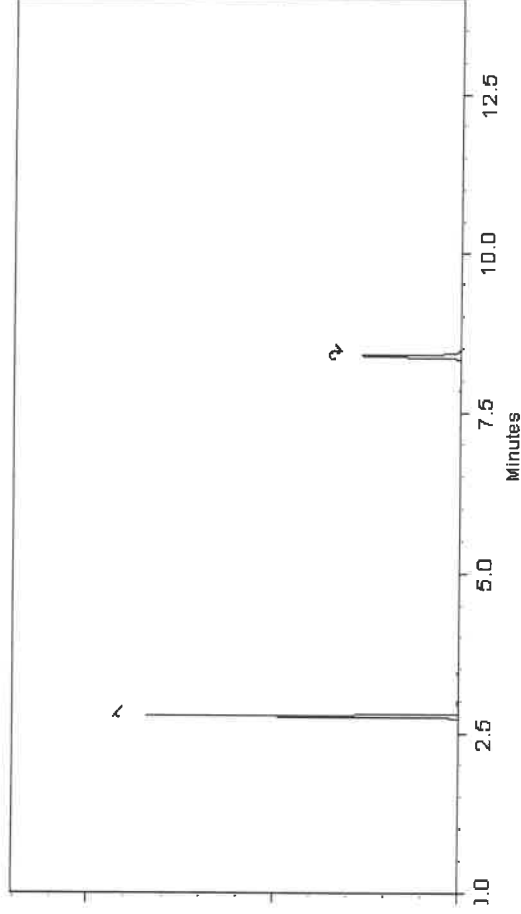
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



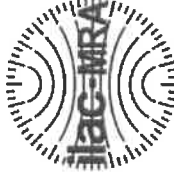
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** 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.)

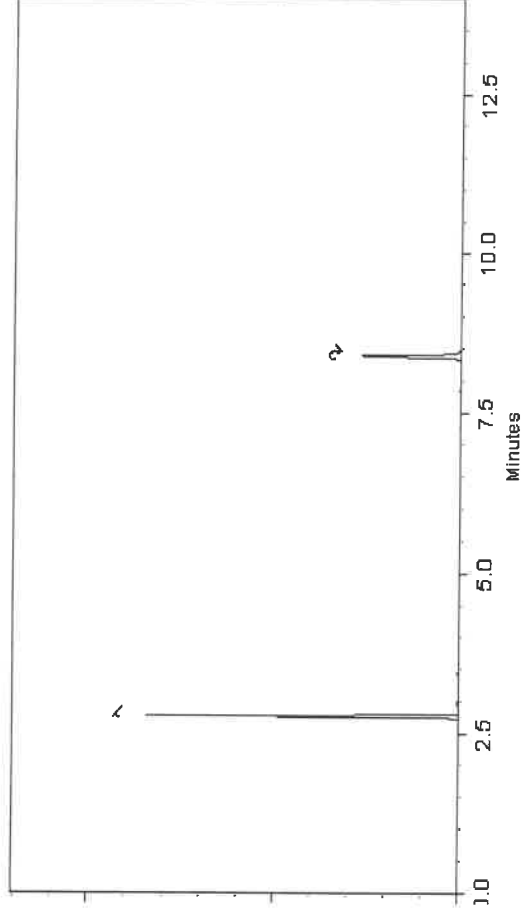
Inj. Temp:
250°C

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

J.Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

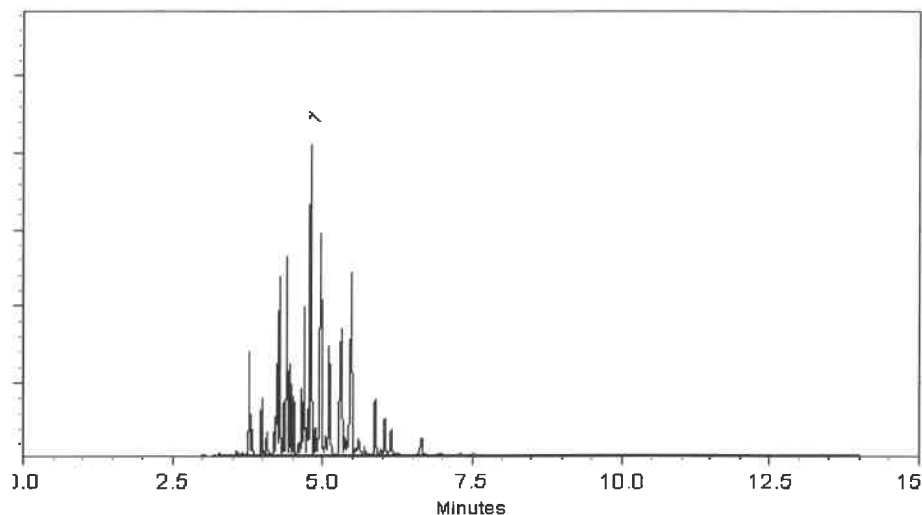
ECD

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32008 **Lot No.:** A0219655

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : March 31, 2031 **Storage:** 25°C nominal

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	---%	1,007.0 µg/mL	+/- 55.8810

Solvent: Hexane

CAS # 110-54-3

Purity 99%

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

P13878
↓
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:

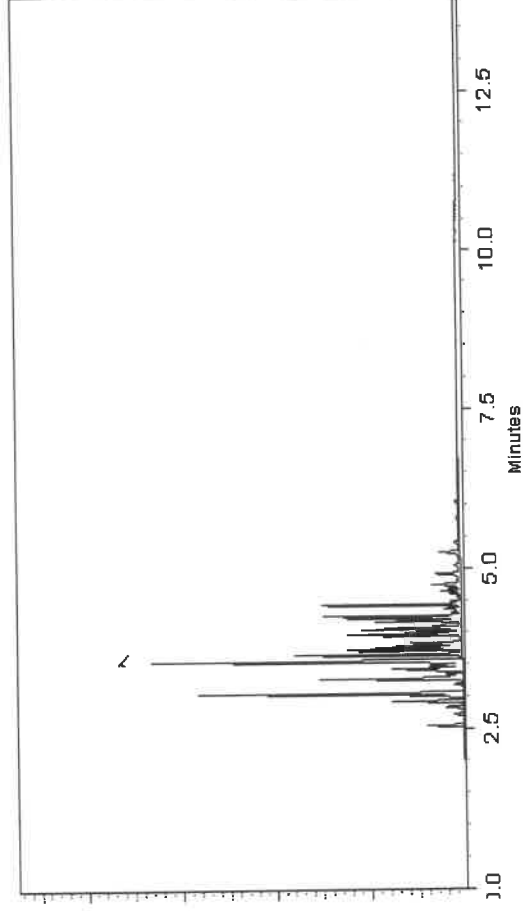
ECD

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com



Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32409 **Lot No.:** 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

~~RTD880~~

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.)

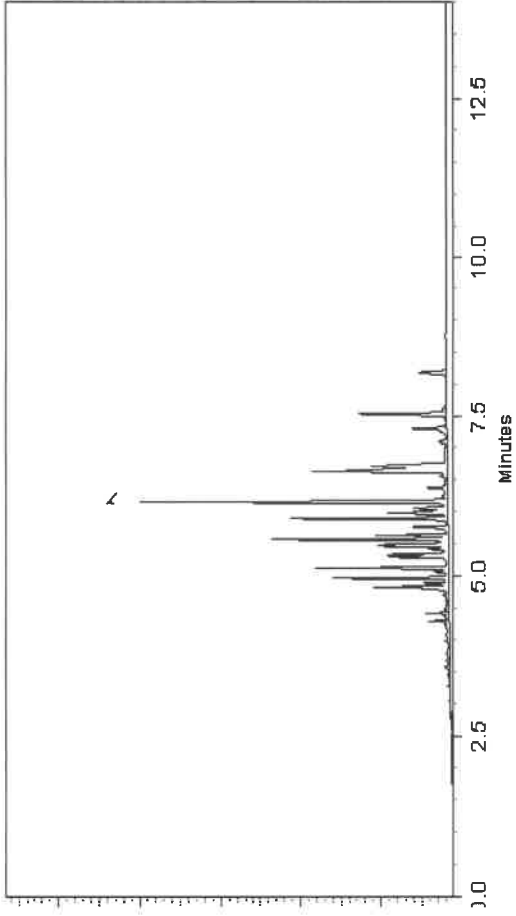
Inj. Temp:
250°C

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



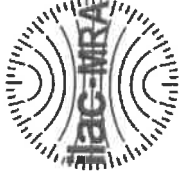
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

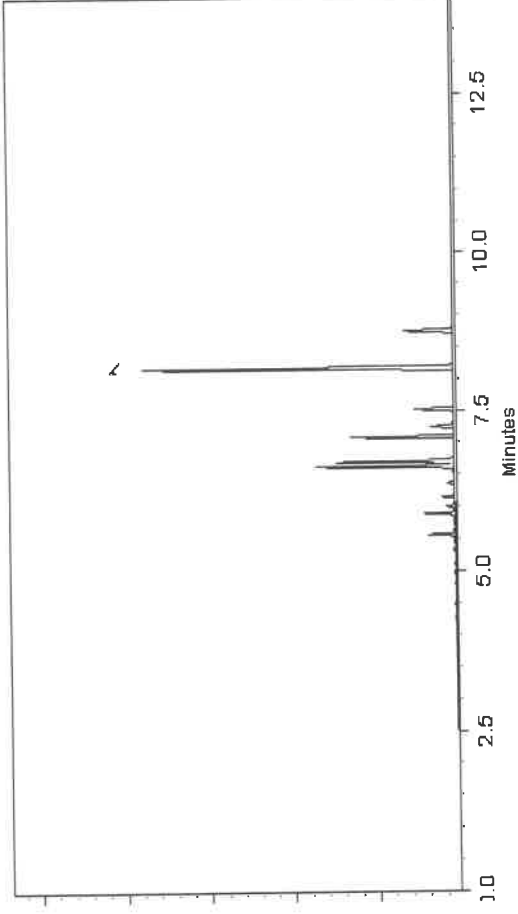
ECD

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

Balance Serial # 1128360905

Date Mixed: 01-Oct-2024

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

 **avantorsm**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

W3234 JB
OP4H1. 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: LANGAN
ADDRESS: 1 North Broadway
CITY White Plains STATE: NY ZIP: 10601
ATTENTION: Gregory DelMastro
PHONE: 914-323-7414 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Richmond Terrace - Site 163
PROJECT NO.: 190134901 LOCATION:
PROJECT MANAGER: Gregory DelMastro
e-mail: gdelmastro@langan.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: LANGAN PO#: 190134901
ADDRESS:
CITY SAME STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 31 DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. VOCS (826)
2. SVOCs (827)
3. TAL Metals (600700)
4. PcBs (8082A)
5. Pesticides (80812)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>SS-01-0-1</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>15:05</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
2.	<u>SS-01-1-2</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>15:20</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
3.	<u>SS-01-2-3</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>16:00</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.1</u> °C
1. <u>[Signature]</u>	<u>10/7/25 20:00</u>	<u>[Signature]</u>	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>		<u>[Signature]</u>	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <u>[Signature]</u>	<u>10-8-25</u>	<u>[Signature]</u>	

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 : Q3310	LANG01	Order Date : 10/8/2025 1:24:21 PM	Project Mgr :
Client Name : Langan Engineering and En		Project Name : Con Edison Richmond Terr	Report Type : Results Only
Client Contact : Gregory DelMastro		Receive DateTime : 10/8/2025 ~~12:00:00~~ AM	EDD Type : Excel NY
Invoice Name : Langan Engineering and En		Purchase Order : 16:30	Hard Copy Date :
Invoice Contact : Gregory DelMastro			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3310-01	SS-01-0-1	Solid	10/07/2025	15:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3310-02	SS-01-1-2	Solid	10/07/2025	15:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3310-03	SS-01-2-3	Solid	10/07/2025	16:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : CPDate / Time : 10/9/25 11:50Received By : HBDate / Time : 10/09/25

Storage Area : VOA Refridgerator Room